

Bolton Lakes Regional Water Pollution Control Authority

222 Bolton Center Rd • Bolton, CT 06043 • http://www.blrwpca.com Phone (860) 649-8066 • Fax (860) 643-0021

WEDNEDAY, JANUARY 20, 2021 7:00 PM – VIRTUAL SPECIAL MEETING MINUTES

The January 20, 2021 meeting of the Bolton Lakes Regional Water Pollution Control Authority (BLRWPCA) was called to order by the Chair, Robert Morra, at 7:04 PM.

ROLL CALL

MEMBERS PRESENT: Robert Morra (Chair), Richard Hayes, and Daniel Champagne. ALTERNATES PRESENT: Joshua Steele Kelly and Michael Purcaro. OTHERS PRESENT: None.

The Chair appointed Kelly and Purcaro to sit for absent Members.

PUBLIC COMMENT

None.

AGENDA ITEM 3 – November 12, 2021 Meeting Minutes.

MOTION by Champagne, seconded by Purcaro, to approve the minutes. VOTING IN FAVOR: Morra, Champagne, Kelly, and Purcaro. ABSTAINING: Hayes.

AGENDA ITEM 4 – Correspondence None.

AGENDA ITEM 5 – New Business. None.

AGENDA ITEM 6A – Other 2021 Meeting Dates.

DISUCSSION: Kelly explained that he had believed that the group had already discussed 2021 meeting dates, but that he was unable to find a record of that discussion. Thus, he asked for the group's consensus to approve April 28, July 21, and October 20 at 7:00pm, as regular meeting dates for 2021.

MOTION by Hayes, seconded by Champagne, to approve the meeting dates. VOTING IN FAVOR: Unanimous.

AGENDA ITEM 6B - Report on Connections.

DISCUSSION: Kelly shared with the members that a more detailed report on connections was being developed, and he shared the progress on that report with the Authority. Hayes presented a number of questions, including what the status of 92 Tolland Road was and how many connections there were on Hatch Hill Road. Hayes also suggested that the document be more formally titled.

AGENDA ITEM 6C - FY 2021 Budget Report

DISCUSSION: Kelly shared the FY 2021 collection and expenditure report. Hayes asked for a specific breakdown of engineering costs and associated invoices to be shared at the next meeting so that it could be better understood by Authority members how these expenditures were helping the Authority's mission. Champagne asked that Kelly share the total fund balance for the Authority.

AGENDA ITEM 6D – Update on Expansion of Sewer Service Area: Town of Coventry.

DISCUSSION: Kelly shared that a House Bill had been introduced in the state legislature to address this matter, and Champagne shared that he had introduced a corresponding Senate Bill.

AGENDA ITEM 7 – Report of the Chair DISCUSSION: Morra spoke more about Coventry's possible connection to the sewer line.

AGENDA ITEM 8 – Additional Matters & Other Business DISCUSSION: None.

MOTION by Hayes, seconded by Champagne, to adjourn at 7:32 PM. VOTING IN FAVOR: Unanimous.

Respectfully submitted,

FSUK

Joshua Steele Kelly, Administrator

Sent from my iPhone

Begin forwarded message:

From: "Rupert, Jim" <jrupert@boltonct.org> Date: April 12, 2021 at 11:01:36 AM EDT To: "Joseph M. Dillon, P.E." <jdillon@nlja.com> Subject: RE: Bolton Dental Water Usage

Thank you Joe

From: Joseph M. Dillon, P.E. [mailto:jdillon@nlja.com]
Sent: Monday, April 12, 2021 10:59 AM
To: Rupert, Jim <jrupert@boltonct.org>
Cc: Palazzini, Danielle <dpalazzini@boltonct.org>
Subject: Bolton Dental Water Usage

Jim,

The Certificate of Occupancy for the dentist office was issued on August 3, 2018. The water meter reading of 142,830 gallons was taken on March 15, 2021.

The difference between the dates is 910 days. Assuming that the water meter was at zero when installed, the daily usage would be 157 Gallons per Day (GPD). In accordance with the Bolton Lakes Regional Water Pollution Control Authority (BLRWPCA) Sewer Benefit Assessment Policy 1 Equivalent Dwelling Unit (EDU) is equivalent to 200 GPD. The water usage at the dental office is within the limits of 1EDU.

Regards, Joe

142,830 gallons / 910 days = 157 gallons/day

Sent from my iPhone

Begin forwarded message:

From: "Joseph M. Dillon, P.E." <jdillon@nlja.com> Date: April 16, 2021 at 11:12:36 AM EDT To: "Rupert, Jim" <jrupert@boltonct.org> Subject: FW: BLRWPCA

Jim,

This is the email that I forwarded to Josh last year regarding maintenance of the sewer system.

Joe

From: Joseph M. Dillon, P.E.
Sent: Wednesday, April 15, 2020 11:33 AM
To: Kelly, Joshua <jkelly@boltonct.org>
Subject: BLRWPCA

Josh,

With the recent air release valve issue on Wildwood Road, I thought it would be timely to consider the implementation of a scheduled maintenance program to avoid or anticipate further system breakdowns. I have attached a basic guideline document that lays out the framework that would be associated with a maintenance program. As part of the maintenance program, we would need to make a list of all the valves, cleanouts and air release valves throughout the system to track their maintenance.

Additionally, yesterday I observed what appeared to be a marked increase in flow at the air release manhole from when I first looked at it last Wednesday (April 8th). The increase was after a significant rainfall on Monday. I suspect that residents have connected sump pumps to the sewer. Perhaps a notice can be sent to residents with the next set of bills reminding them that sump pumps are not to be connected to the sewer system and ultimately the increase in flow results in higher user fees.

If you would like to discuss anything, please feel free to contact me.

Regards,

Joseph M. Dillon, P.E.

Nathan L. Jacobson & Associates Consulting Civil and Environmental Engineers Since 1972

86 Main Street, P.O. Box 337, Chester, Connecticut 06412-0337 Tel: 860.526.9591 • Fax: 860.526.5416 www.nlja.com • jdillon@nlja.com

Standard Operating Guideline (SOG)

Title: VALVE EXERCISING & MAINTENANCE

District Name:

Date Prepared:_____ Date Revised: _____

OBJECTIVE:

The American Water Works Association (AWWA) recommends that all water utilities initiate a Valve Exercise Program that requires all valves (such as distribution and transmission valves, air valves, and blow-offs) to be inspected and operated on a regular basis. The objective of this SOG is to outline key elements of a comprehensive Valve Exercise Program in order to:

- Help agencies determine the effectiveness of existing Valve Exercise Programs
- Improve the efficiency and productivity of distribution crews -
- Improve valve reliability
- Reduce water loss -
- Identify critical valves on distribution system
- Measure and document valve operation
- Develop trend analysis -

RATIONALE / PURPOSE:

An effective Valve Exercising Program is essential to:

- Improve customer service
- Ensure mission capability
- Ensure distribution system reliability
- -Develop predictive maintenance programs
- Determine capital improvement budgeting -
- Develop loss trend analysis -
- Ensure system isolation capability
- Ensure water quality control

METHODS / PROCEDURES:

According to AWWA, a valve exercising is a procedure that verifies proper location, operation, and material condition of valves, and initiates replacement as necessary. The physical operation of a valve and the documentation of the actions and procedures necessary to do so are equally important. An asset management system may need to be developed to facilitate the Valve Exercise Program.

The following methods and procedures are recommendations that illustrate methods used by water agencies that have implemented a Valve Exercising Program.

- <u>Valve Exercising and Maintenance Program Assessment</u> (AWWA "Water Distribution System Assessment Workbook"):
 - 1. Has a Valve Exercise Program been established?
 - 2. Is there a standard operating procedure (SOP) for valve exercising?
 - 3. Have specific goals been set for the number of valves (of all kinds) to be exercised in a week, month, and year?
 - 4. Are measurements in place to verify exercise goals are met?
 - 5. Is there a capital improvement program for replacement of defective valves?
 - 6. Are valve activation directions standardized, or are valve turning directions (left & right-turn) adequately marked?

- Procedures/Work Steps:

The following work steps are recommended:

- 1. Locate valve.
- 2. Notify owner (as required).
- 3. Photograph the location, identifying the condition of the site.
- 4. Check the area for potential hazards and implement needed controls.
- 5. Establish traffic control as necessary.
- 6. Pull cover.
- 7. Clean riser as necessary to inspect valve.
- 8. Exercise valve:
 - a. Verify the direction for turning the valve to the *Closed* and *Open* positions.
 - b. Assume valve is in the full **Open** position.
 - c. Begin *Closing Valve Slowly*, increasing torque as necessary to achieve movement (without exceeding the pre-determined *Maximum Torque*).
 - d. Count the number of turns necessary to achieve the full **Open Position**.
 - e. Begin **Opening Valve Slowly**, increasing torque as necessary to achieve movement (without exceeding the pre-determined *Maximum Torque*).
 - f. Count the number of turns necessary to achieve the full *Closed Position*.
 - g. Repeat the Close/Open cycle a minimum of three (3) times, or until the number of turns necessary to open or close the valve does not change.
 - h. Record the number of Turns, Cycles, and Maximum Torque applied.
- 9. Photograph valve if possible.
- 10. Record the valve dimensions, condition of the valve, and other pertinent information.

- 11. Replace cover.
- 12. Prior to departing, evaluate the location for hazards to people, property, or environment, record findings.
- 13. Mitigate any hazards discovered and initiate the actions necessary to eliminate those hazards.
- 14. Photograph the site.

SAFETY CONSIDERATIONS:

An effective Valve Exercising Program can help to prevent damage to property, environment, and injury to the public and employees by:

- Precluding distribution system damage
- Facilitating emergency response actions
- Facilitating operations and maintenance personnel safety
 - Identify safe work practices
 - Personal Protective Equipment requirements
 - Lockout/Tagout
 - Confined Space Entry
 - ACP Procedures
 - Traffic control

COST BENEFIT:

- Reduce revenue loss
- System failure prediction would reduce water loss system degradation
- Avoid costly liability and property losses
- Create a manageable capital improvement budget
- Enhance system reliability
- Strengthen customer confidence

INSPECTION FORMS / CHECKLISTS / DOCUMENTATION/ASSETS:

- VALVE MAINTENANCE REPORT
- VALVE EXERCISE GUIDELINE
- **PERMANENT VALVE RECORD** (work cards)
- VALVE MAINTENANCE PLAN

VALVE EXERCISE EQUIPMENT AND SOFTWARE

- INFRMAP - ASSET MANAGEMENT SOFTWARE

REFERENCES:

- American Water Works Association *"Manual of Water Supply Practices Distribution Valves: Selection, Installation, Field Testing, and Maintenance"* (AWWA M44)
- AWWA "Water Distribution System Assessment Workbook"
- AWWA Operating Guide to G200 "Distribution Systems Operation and Maintenance"

TESTIMONIALS:

The following benefits were experienced when a detailed Valve Exercising and Maintenance Program had been established:

1100 Boston Turnpike

Water-Wastewater (Gallons)					
Date	IP Percent	Volume	Cost		
05/2016	100%	1,437	\$ 30		
06/2016	100%	1,437	\$ 30		
07/2016	100%	1,437	\$ 30		
08/2016	100%	1,553	\$ 31		
09/2016	100%	1,553	\$ 31		
10/2016	100%	1,553	\$ 31		
11/2016	100%	1,402	\$ 30		
12/2016	100%	1,402	\$ 30		
01/2017	100%	1,402	\$ 30		
02/2017	100%	1,647	\$ 32		
03/2017	100%	1,647	\$ 32		
04/2017	100%	1,647	\$ 32		
Total		18,117	\$ 369		
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Cost & Osage Monthly Report
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gacy View) - 1 - 13302 - Torrington, CT Cost & Usage Monthly Report



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LAND DEVELOPMENT PLANS FOR PLANNING AND ZONING **SPECIAL PERMIT APPLICATION**

PROPOSED RETAIL DEVELOPMENT

1100 BOSTON TURNPIKE BOLTON, CONNECTICUT

PREPARED FOR: GARRETT HOMES, LLC **59 FIELD STREET** TORRINGTON, CT 06790

PREPARED BY:



100 CONSTITUTION PLAZA, 10TH FLOOR HARTFORD, CONNECTICUT 06103 (860) 249-2200 (860) 249-2400 Fax

FOR PERMITTING PURPOSES ONLY NOT RELEASED FOR CONSTRUCTION



VICINITY MAP

SCALE: 1"=800'

BOLTON PLANNING AND ZONING COMMISSION, BOLTON, CT

DATE APPROVED DATE OF EXPIRATION

OWNER:

THE STATUTORY FIVE-YEAR PERIOD FOR COMPLETION OF ALL PHYSICAL IMPROVEMNTS EXPIRES ON

1100 BOSTON TRUNPIKE LLC

483 MIDDLE TURNPIKE WEST, SUITE 102

C/O JOEL ROSENLICHT

MANCHESTER, CT 06040

CHAIRMAN

DEVELOPER: GARRETT HOMES, LLC **59 FIELD STREET** TORRINGTON, CT 06790

DATES

ISSUE DATE: APRIL 2, 2021

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ALL CONSTRUCTION SHALL COMPLY WITH THE PROJECT SPECIFICATION MANUAL; CLIENT CORPORATION STANDARDS, MUNICIPALITY STANDARDS AND SPECIFICATIONS, CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS, 2010 ADA STANDARDS, AND STATE BUILDING CODE IN THE ABOVE REFERENCED INCREASING HIERARCHY. IF SPECIFICATIONS ARE IN CONFLICT, THE MORE STRINGENT SPECIFICATION SHALL APPLY. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE OSHA, FEDERAL, STATE AND LOCAL REGULATIONS.	<ul> <li>47. THE CONTRACTOR SHALL SECURE ALL PERMITS FOR HIS DEMOLITION AND I THE CONTRACTOR SHALL POST BONDS AND PAY PERMIT FEES AS REQUIRE PERMITS AND DISPOSAL OF ALL BUILDING DEMOLITION DEBRIS IN AN APPROVED</li> <li>48. ASPESTOS OF HAZAPDOLIS MATERIAL IE FOUND ON SITE SHALL BE DEMON</li> </ul>
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DO NOT INTERRUPT EXISTING UTILITIES SERVICING FACILITIES OCCUPIED AND USED BY THE OWNER OR OTHERS DURING OCCUPIED HOURS EXCEPT WHEN SUCH INTERRUPTIONS HAVE BEEN AUTHORIZED IN WRITING BY THE OWNER AND THE LOCAL MUNICIPALITIES. INTERRUPTIONS SHALL ONLY OCCUR AFTER ACCEPTABLE TEMPORARY SERVICE HAS BEEN PROVIDED.	SERVICES MAY NOT BE SHOWN ON THIS PLAN. THE CONTRACTOR SHALL IN SERVICE PIPING TO BE REMOVED, CUT OR PLUGGED. THE CONTRACTOR SHALL 51. THE CONTRACTOR SHALL PROTECT ALL IRON PINS, MONUMENTS AND PROP CONTRACTOR DISTUBBED PINS MONUMENTS AND OR PROPERTY COPIES
THE CONTRACTOR SHALL ABIDE BY ALL OSHA, FEDERAL, STATE, AND LOCAL REGULATIONS WHEN OPERATING CRANES, BOOMS, HOISTS, ETC. IN CLOSE PROXIMITY TO OVERHEAD ELECTRIC LINES. IF CONTRACTOR MUST OPERATE EQUIPMENT CLOSE TO ELECTRIC LINES, CONTACT POWER COMPANY TO MAKE ARRANGEMENTS FOR PROPER SAFEGUARDS. ANY UTILITY COMPANY FEES SHALL BE PAID FOR BY THE CONTRACTOR.	<ul> <li>52. THE DEMOLITION CONTRACTOR SHALL STABILIZE THE SITE AND KEEP EROSION OR UNTIL THE COMMENCEMENT OF WORK BY THE SITE CONTRACTOR, WHICH</li> </ul>
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TO SUPERVISE SAFETY AND DOES NOT VOLUNTARILY ASSUME ANY SUCH DUTY OR RESPONSIBILITY. THE CONTRACTOR SHALL COMPLY WITH CFR 29 PART 1926 FOR EXCAVATION, TRENCHING, AND TRENCH PROTECTION REQUIREMENTS.	<ul> <li>53. THE CONTRACTOR SHALL PUMP OUT BUILDING FUEL AND WASTE OIL TANKS DISPOSAL AREA BY A LICENSED WASTE OIL HANDLING CONTRACTOR IN STR</li> <li>54. IF IMPACTED OR CONTAMINATED SOIL IS ENCOUNTERED BY THE CONTRACTOR</li> </ul>
INFORMATION ON EXISTING UTILITIES AND STORM DRAINAGE SYSTEMS HAS BEEN COMPILED FROM AVAILABLE INFORMATION INCLUDING UTILITY COMPANY AND MUNICIPAL OR COUNTY OR STATE RECORD MAPS AND/OR FIELD SURVEY AND IS NOT GUARANTEED CORRECT OR COMPLETE. UTILITIES AND STORM DRAINAGE SYSTEMS ARE SHOWN TO ALERT THE CONTRACTOR TO THEIR PRESENCE AND THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL LOCATIONS AND ELEVATIONS OF ALL UNDERGROUND AND OVERHEAD UTILITIES AND STORM DRAINAGE SYSTEMS INCLUDING	SOIL AND NOTIFY THE OWNER AND/OR OWNER'S ENVIRONMENTAL CONSULT/ LOCATION UNTIL FURTHER INSTRUCTED BY THE OWNER AND/OR OWNER'S E 55. EXISTING WATER SERVICES SHALL BE DISCONNECTED AND CAPPED AT MAIN
SERVICES. PRIOR TO DEMOLITION OR CONSTRUCTION, THE CONTRACTOR SHALL CONTACT [CT CALL BEFORE YOU DIG (CBYD)] [CT (800) 922–4455] OR AT 811 AND VERIFY ALL UTILITY AND STORM DRAINAGE SYSTEM LOCATIONS. THE CONTRACTOR SHALL EMPLOY THE USE OF A UTILITY LOCATING COMPANY TO PROVIDE SUBSURFACE UTILITY ENGINEERING CONSISTING OF DESIGNATING UTILITIES AND STORM PIPING ON PRIVATE PROPERTY WITHIN THE CONTRACT LIMIT AND CONSISTING OF DESIGNATING AND LOCATING WHERE PROPOSED UTILITIES AND STORM PIPING CROSS EXISTING UTILITIES AND STORM PIPING WITHIN THE CONTRACT LIMITS.	56. EXISTING SANITARY LATERAL SHALL BE PLUGGED WITH NON-SHRINK GROUT SANITARY UTILITY PROVIDER REQUIREMENTS. REMOVE EXISTING LATERAL PIF
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ALL NOTES AND DIMENSIONS DESIGNATED "TYPICAL" APPLY TO ALL LIKE OR SIMILAR CONDITIONS THROUGHOUT THE PROJECT.	59. THE CONTRACTOR IS RESPONSIBLE FOR SECURING A DEMOLITION PERMIT FF REQUIRED APPLICATION MATERIAL AND PAY ALL FEES.
VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF WORK. BL COMPANIES WILL PREPARE FINAL CONSTRUCTION DOCUMENTS SUITABLE FOR BIDDING AND CONSTRUCTION. PROGRESS SETS OF THESE DOCUMENTS ARE NOT SUITABLE FOR THOSE PURPOSES. IF CLIENT ELECTS TO SOLICIT BIDS OR ENTER INTO CONSTRUCTION CONTRACTS UTILIZING CONSTRUCTION DOCUMENTS THAT ARE NOT YET FINAL, CONSULTANT SHALL NOT BE RESPONSIBLE FOR ANY COSTS OR DELAY ARISING AS A RESULT.	60. BACK FILL DEPRESSIONS, FOUNDATION HOLES AND REMOVED DRIVEWAY ARE MATERIAL APPROVED BY THE OWNER'S GEOTECHNICAL ENGINEER AND COMF FURTHER SITE CONSTRUCTION. DEMOLISHED BUILDING FOUNDATION AREA AN MATERIAL SPECIFIED IN THE PROJECT GEOTECHNICAL REPORT IN LIFT THICK DRY DENSITY PER ASTM D1557 AT MOISTURE CONTENT SPECIFIED IN GEOTE EQUIPMENT FOR DUST CONTROL.
NO CONSTRUCTION OR DEMOLITION SHALL BEGIN UNTIL APPROVAL OF THE FINAL PLANS IS GRANTED BY ALL GOVERNING AND REGULATORY AGENCIES. THE OWNER IS RESPONSIBLE FOR OBTAINING ALL NECESSARY ZONING PERMITS REQUIRED BY GOVERNMENT AGENCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT AND OBTAIN FROM COUNTY SOURCES ALL CONSTRUCTION PERMITS, INCLUDING ANY STATE DOT PERMITS, SEWER AND	61. THE CONTRACTOR SHALL REPAIR PAVEMENTS BY INSTALLING TEMPORARY A LOCAL GOVERNING AUTHORITIES AND THE MUNICIPALITY AND PER PERMIT R
WATER CONNECTION PERMITS, AND ROADWAY CONSTRUCTION PERMITS. THE CONTRACTOR SHALL POST ALL BONDS, PAY ALL FEES, PRÓVIDE PROOF OF INSURANCE AND PROVIDE TRAFFIC CONTROL NECESSARY FOR THIS WORK EXCEPT CTDOT ENCROACHMENT PERMIT BOND. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL PRODUCTS AND MATERIALS PER PLANS AND SPECIFICATIONS TO THE OWNER AND CIVIL	62. THE CONTRACTOR SHALL CUT AND REMOVE AT LUMINARE AND SIGN LOCAT CONTRACTOR SHALL REMOVE ALL CABLE AND CONDUCTORS FROM REMAININ LIGHTING TO REMAIN IN PLACE SHALL BE RECIRCUITED OR REWIRED AS NEC
ENGINEER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OR DELIVERY TO THE SITE. ALLOW A MINIMUM OF 14 WORKING DAYS FOR REVIEW. THE CONTRACTOR SHALL FOLLOW THE SEQUENCE OF CONSTRUCTION NOTES PROVIDED ON THE SEDIMENT AND EROSION CONTROL PLAN.	63. NO WORK ON THIS SITE SHALL BE INTITATED BY THE CONTRACTOR UNTIL A PERFORMED. THE CONTRACTOR SHOULD BE AWARE OF ANY SITE INFORMATI THE CONTRACTOR SHALL HAVE CBYD MARK OUTS OF EXISTING UTILITIES CO
THE CONTRACTOR SHALL REFERENCE ARCHITECTURAL PLANS FOR EXACT DIMENSIONS AND CONSTRUCTION DETAILS OF BUILDING, AND THE RAISED CONCRETE SIDEWALKS, LANDINGS, RAMPS, AND STAIRS. SHOULD ANY UNCHARTED OR INCORRECTLY CHARTED, EXISTING PIPING OR OTHER UTILITY BE UNCOVERED DURING EXCAVATION, CONSULT THE CIVIL ENGINEER IMMEDIATELY FOR DIRECTIONS REFORE PROCEEDING FURTHER WITH WORK IN THIS AREA	REQUIRED. MAINTAIN UTILITY SERVICES TO BUILDINGS OR TO SERVICES TO INSTALLATION AND PAY UTILITY PROVIDER FEES. 65. THE CONTRACTOR SHALL NOT COMMENCE DEMOLITION OR UTILITY DISCONNE
ALL SITE DIMENSIONS ARE REFERENCED TO THE FACE OF CURBS OR EDGE OF PAVING AS APPLICABLE UNLESS OTHERWISE NOTED. ALL BUILDING DIMENSIONS ARE REFERENCED TO THE OUTSIDE FACE OF THE STRUCTURE.	66. THE CONTRACTOR OR DEMOLITION CONTRACTOR SHALL INSTALL TEMPORAR BUILDINGS, STRUCTURES AND UTILITIES DURING CONSTRUCTION AND DEMOLI ENGINEER, LICENSED IN THIS STATE AND EVIDENCE OF SUCH SUBMITTED TO
THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TRAFFIC DEVICES FOR PROTECTION OF VEHICLES AND PEDESTRIANS CONSISTING OF DRUMS, BARRIERS, SIGNS, LIGHTS, FENCES, TEMPORARY WALKWAYS, TRAFFIC CONTROLLERS AND UNIFORMED TRAFFIC OFFICERS AS REQUIRED OR AS ORDERED BY THE ENGINEER OR AS REQUIRED BY THE LOCAL GOVERNING AUTHORITIES OR AS REQUIRED BY PERMIT STIPULATIONS OR AS REQUIRED BY THE OWNER. CONTRACTOR SHALL MAINTAIN ALL TRAFFIC LANES AND PEDESTRIAN WALKWAYS FOR USE AT ALL TIMES UNLESS WRITTEN APPROVAL FROM THE APPROPRIATE COVERNING ACENCY IS CRANTED.	<ul> <li>67. NO SALVAGE SHALL BE PERMITTED UNLESS PAID TO THE OWNER AS A CRE</li> <li>68. ANY EXISTING POTABLE WELL AND ANY EXISTING SEPTIC TANKS/ABSORPTIC HEALTH CODE REQUIREMENTS</li> </ul>
TRAFFIC CONTROL SIGNAGE SHALL CONFORM TO THE STATE DOT STANDARD DETAIL SHEETS AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. SIGNS SHALL BE INSTALLED PLUMB WITH THE EDGE OF THE SIGN 2' OFF THE FACE OF THE CURB, AND WITH 7' VERTICAL CLEARANCE UNLESS OTHERWISE DETAILED OR NOTED.	69. THE EXISTING DRIVEWAYS SHALL REMAIN OPEN FOR NORMAL BUSINESS OPE 70. THE CONTRACTOR SHALL PRESERVE EXISTING VEGETATION WHERE POSSIBLE
REFER TO DETAIL SHEETS FOR PAVEMENT, CURBING, AND SIDEWALK INFORMATION.	CONTROL PLAN FOR LIMIT OF DISTURBANCE AND EROSION CONTROL NOTES. 71. TOPSOIL SHALL BE STRIPPED AND STOCKPILED ON SITE FOR USE IN FINAL
THE CONTRACTOR SHALL SUBMIT A SHOP DRAWING OF THE PAVEMENT MARKING PAINT MIXTURE PRIOR TO STRIPING.	<ul> <li>72. SUBGRADE SHALL BE FORMED WITH REMOVAL AND REPLACEMENT OF FILL A MATERIAL AS REQUIRED BY THE GEOTECHNICAL ENGINEER. SEE GEOTECHNIC</li> <li>73. THE CONTRACTOR SHALL COMPACT FILL IN LIFT THICKNESS PER THE GEOTE</li> </ul>
4" SYDL 4' SOLID YELLOW DOUBLE LINE 4" SYL 4" SOLID YELLOW LINE 4" SWL 4" SOLID WHITE LINE	AREAS TO 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM I ENGINEER. 74. UNDERDRAINS SHALL BE ADDED, IF DETERMINED NECESSARY IN THE FIELD
12" SWE 12" SOLID WHITE LINE 12" SWSB 12" SOLID WHITE STOP BAR 4" BWL 4" BROKEN WHITE LINE 10' STRIPE 30' SPACE	GRADED. 75. VERTICAL DATUM IS NAVD 88.
PARKING SPACES SHALL BE STRIPED WITH 4" SWL; HATCHED AREA SHALL BE STRIPED WITH 4"SWL AT A 45" ANGLE, 2" ON CENTER. HATCHING, SYMBOLS, AND STRIPING FOR HANDICAPPED SPACES SHALL BE PAINTED WHITE AND BLUE. OTHER MARKINGS SHALL BE PAINTED WHITE OR AS NOTED. ALL PARKING SPACES AND HATCHED AREAS SHALL HAVE TWO COATS OF PAVEMENT MARKINGS APPLIED TO STRIPING.	<ul> <li>76. CLEARING LIMITS SHALL BE PHYSICALLY MARKED IN THE FIELD AND APPRO THE SITE.</li> <li>77. PROPER CONSTRUCTION PROCEDURES SHALL BE FOLLOWED ON ALL IMPROV WATERCOURSE OR WETLANDS IN ACCORDANCE WITH THE REGULATIONS OF THE STATEMENT OF THE REGULATIONS OF THE STATEMENT OF THE STATEMENT.</li> </ul>
PAVEMENT MARKINGS SHALL BE HOT APPLIED TYPE IN ACCORDANCE WITH STATE DOT SPECIFICATIONS, UNLESS WHERE EPOXY RESIN PAVEMENT MARKINGS ARE INDICATED. THE CONTRACTOR SHALL RESTORE ANY UTILITY STRUCTURE, DRAINAGE STRUCTURE, PIPE, UTILITY, PAVEMENT, CURBS, SIDEWALKS, LANDSCAPED AREAS, SWALE, PAVEMENT MARKINGS, OR SIGNAGE DISTURBED DURING DEMOLITION, AND OR CONSTRUCTION, TO THEIR, ORIGINAL, CONDITION, OR RETTER	AND SEDIMENT CONTROL, LATEST EDITION. IN ADDITION, THE CONTRACTOR S CONTAINED HEREIN. THE CONTRACTOR SHALL BE RESPONSIBLE TO POST AL CONSERVATION DISTRICT WHICH WOULD GUARANTEE THE PROPER IMPLEMEN
AKERS, SWALL, PARENENT MARKINGS, OK SIGNAGE DISIONALD DURING DEMOLITION AND/OK CONSTRUCTION TO THEIR OKIGINAL CONDITION OK BETTER, AS APPROVED BY THE CIVIL ENGINEER, AND TO THE SATISFACTION OF THE OWNER AND COUNTY. EXISTING BOUNDARY AND TOPOGRAPHY IS BASED ON DRAWING TITLED "ATLA/NSPS LAND TITLE SURVEY" SCALE 1"=40', DATED 2021/02/18, BY DUFOUR SURVEYING LLC. AI TERNATIVE METHODS AND PRODUCTS OTHER THAN THOSE SPECIFIED MAY BE USED IF REVIEWED AND APPROVED BY THE OWNER CIVIL ENGINEER.	78. ALL SITE WORK, MATERIALS OF CONSTRUCTION, AND CONSTRUCTION METHO THE SPECIFICATIONS AND DETAILS AND APPLICABLE SECTIONS OF THE PRO THE STATE DEPARTMENT OF TRANSPORTATION SPECIFICATIONS AND PROJEC MANUAL. ALL FILL MATERIAL UNDER STRUCTURES AND PAVED AREAS SHAL PROJECT GEOTECHNICAL REPORT, AND SHALL BE PLACED IN ACCORDANCE QUALIFIED PROFESSIONAL ENGINEER. MATERIAL SHALL BE COMPACTED IN LI THE MAXIMUM DRY DEVICITY AS DESTEDANCE DY ACTIVE DESTEDANCE.
AND APPROPRIATE REGULATORY AGENCY PRIOR TO INSTALLATION DURING THE BIDDING PROCESS. CTDOT ENCROACHMENT PERMIT SHALL BE OBTAINED BY CONTRACTOR WHO SHALL PAY ALL FEES, PROVIDE PROOF OF INSURANCE AND PROVIDE TRAFFIC PROTECTION NECESSARY FOR THE WORK. THE OWNER SHALL POST CTDOT ENCROACHMENT PERMIT BOND.	79. ALL DISTURBANCE INCURRED TO MUNICIPAL AND STATE PROPERTY DUE TO BETTER, TO THE SATISFACTION OF THE MUNICIPALITY AND STATE AS APPLI
AN EROSION CONTROL BOND IS REQUIRED TO BE POSTED BY THE CONTRACTOR BEFORE THE START OF ANY ACTIVITY ON OR OFF SITE. THE AMOUNT OF THE EROSION CONTROL BOND WILL BE DETERMINED BY THE AUTHORITY HAVING JURISDICTION.	80. ALL CONSTRUCTION WITHIN A DOT RIGHT OF WAY SHALL COMPLY WITH ALL 81. THE UTILITY PLAN DETAILS SITE INSTALLED PIPES UP TO 5' FROM THE BUI
NO PART OF THE PROJECT PARCEL IS LOCATED WITHIN ANY FEMA DESIGNATED FLOOD HAZARD AREAS. THERE ARE NO WETLANDS LOCATED ON THE SITE AS INDICATED BY INLAND WETLANDS PERMIT #2017–00 AND J.R. RUSSO & ASSOCIATES MAPPING AND VISUAL OBSERVATIONS.	UTILITY OR PIPE CONNECTION POINT. 82. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY THE ELEVATION AND EXCAVATION TEST PITS SHALL BE DUG AT ALL LOCATIONS WHERE PROPOS
12" SWSB (STOP BAR) AND 4" SYDL AND SWL PAVEMENT MARKINGS LOCATED IN DRIVEWAYS AND IN STATE HIGHWAY SHALL BE EPOXY RESIN TYPE ACCORDING TO CONNDOT SPECIFICATIONS.	EXISTING UTILITIES, AND THE HORIZONTAL AND VERTICAL LOCATIONS OF THE CIVIL ENGINEER IN THE EVENT OF ANY DISCOVERED OR UNFORESEEN CONF AND UTILITIES SO THAT AN APPROPRIATE MODIFICATION MAY BE MADE.
FIRE LANES SHALL BE ESTABLISHED AND PROPERLY DESIGNATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FIRE DISTRICT FIRE MARSHAL. THE CONTRACTOR SHALL REMOVE CONFLICTING PAVEMENT MARKINGS IN THE ROADWAY BY METHOD APPROVED BY THE AUTHORITY HAVING JURISDICTION OR DOT AS APPLICABLE FOR THE LOCATION OF THE WORK.	<ul> <li>83. UTILITY CONNECTION DESIGN AS REFLECTED ON THE PLAN MAY CHANGE SU</li> <li>84. THE CONTRACTOR SHALL ENSURE THAT ALL UTILITY PROVIDERS AND GOVEN METHODS ARE MET. THE CONTRACTOR SHALL PERFORM PROPER COORDINATION</li> </ul>
ALL ADA DESIGNATED PARKING STALLS, ACCESS AISLES AND PEDESTRIAN WALKWAYS SHALL CONFORM TO THE CURRENT VERSION OF THE AMERICANS WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN AND ANSI STANDARDS AND AS MAY BE SUPERCEDED BY THE STATE BUILDING CODE. CONSTRUCTION OCCURRING ON THIS SITE SHALL COMPLY WITH NFPA 241 STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION AND DEMOLITION OPERATIONS, AND CHAPTER 16 OF NFPA 1 UNIFORM FIRE CODE.	85. THE CONTRACTOR SHALL ARRANGE FOR AND COORDINATE WITH THE RESPE THE CONTRACTOR SHALL COORDINATE WORK TO BE PERFORMED BY THE VA DISCONNECTIONS, RELOCATIONS, INSPECTIONS, AND DEMOLITION UNLESS OT GENERAL CONDITIONS OF THE CONTRACT.
. ALL BUILDINGS, INCLUDING FOUNDATION WALLS AND FOOTINGS AND BASEMENT SLABS INDICATED ON THE DEMOLITION PLAN ARE TO BE REMOVED FROM THE SITE. CONTRACTOR SHALL SECURE ANY PERMITS, PAY ALL FEES AND PERFORM CLEARING AND GRUBBING AND DEBRIS REMOVAL PRIOR TO COMMENCEMENT OF GRADING OPERATIONS.	86. ALL EXISTING PAVEMENT WHERE UTILITY PIPING IS TO BE INSTALLED SHALL CONTRACTOR SHALL INSTALL TEMPORARY AND/OR PERMANENT PAVEMENT HAVING JURISDICTION.
<ol> <li>SEDIMENT AND EROSION CONTROLS AS SHOWN ON THE SEDIMENT AND EROSION CONTROL PLAN AND/OR DEMOLITION PLAN SHALL BE INSTALLED BY THE DEMOLITION CONTRACTOR PRIOR TO START OF DEMOLITION AND CLEARING AND GRUBBING OPERATIONS.</li> <li>REMOVE AND DISPOSE OF ANY SIDEWALKS, FENCES, STAIRS, WALLS, DEBRIS AND RUBBISH REQUIRING REMOVAL FROM THE WORK AREA IN AN</li> </ol>	<ol> <li>ALL PIPES SHALL BE LAID ON STRAIGHT ALIGNMENTS AND EVEN GRADES U</li> <li>SANITARY LATERAL SHALL MAINTAIN (10' MIN. HORIZONTAL 1.5' VERTICAL M PROTECTION MEASURES WILL BE REQUIRED WHERE PERMITTED, WHICH SHAL</li> </ol>
TON PLANNING AND ZONING COMMISSION, BOLTON, CT	

THE STATUTORY FIVE-YEAR PERIOD FOR COMPLETION OF ALL PHYSICAL IMPROVEMENTS EXPIRES ON ____

121 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.

L, BY AN APPROVED HAULER. HAULER SHALL COMPLY WITH ALL REGULATORY REQUIREMENTS.

URE ALL PERMITS FOR HIS DEMOLITION AND DISPOSAL OF HIS DEMOLITION MATERIAL TO BE REMOVED FROM THE SITE. ST BONDS AND PAY PERMIT FEES AS REQUIRED. BUILDING DEMOLITION CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BUILDING DEMOLITION DEBRIS IN AN APPROVED OFF-SITE LANDFILL.

IATERIAL, IF FOUND ON SITE, SHALL BE REMOVED BY A LICENSED HAZARDOUS MATERIAL ABATEMENT CONTRACTOR. EPARE ALL MANIFEST DOCUMENTS AS REQUIRED PRIOR TO COMMENCEMENT OF DEMOLITION.

AND PLUG, OR ARRANGE FOR THE APPROPRIATE UTILITY PROVIDER TO CUT AND PLUG ALL SERVICE PIPING AT THE N, AS REQUIRED BY THE UTILITY PROVIDER, OR AS OTHERWISE NOTED OR SHOWN ON THE CONTRACT DRAWINGS. ALL N ON THIS PLAN. THE CONTRACTOR SHALL INVESTIGATE THE SITE PRIOR TO BIDDING TO DETERMINE THE EXTENT OF VED, CUT OR PLUGGED. THE CONTRACTOR SHALL PAY ALL UTILITY PROVIDER FEES FOR ABANDONMENTS AND REMOVALS.

DTECT ALL IRON PINS, MONUMENTS AND PROPERTY CORNERS DURING DEMOLITION AND CONSTRUCTION ACTIVITIES. ANY G, MONUMENTS, AND OR PROPERTY CORNERS, ETC. SHALL BE RESET BY A LICENSED LAND SURVEYOR AT THE EXPENSE

SHALL STABILIZE THE SITE AND KEEP EROSION CONTROL MEASURES IN PLACE UNTIL THE COMPLETION OF HIS WORK IT OF WORK BY THE SITE CONTRACTOR, WHICHEVER OCCURS FIRST, AS REQUIRED OR DEEMED NECESSARY BY THE ESENTATIVE. THE SITE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR THE MAINTENANCE OF EXISTING EROSION AND ND FOR INSTALLATION OF ANY NEW SEDIMENT AND EROSION CONTROLS AS PER THE SEDIMENT AND EROSION CONTROL

VIP OUT BUILDING FUEL AND WASTE OIL TANKS (IF ANY ARE ENCOUNTERED) AND REMOVE FUEL TO AN APPROVED ED WASTE OIL HANDLING CONTRACTOR IN STRICT ACCORDANCE WITH STATÉ REQUIREMENTS.

IED SOIL IS ENCOUNTERED BY THE CONTRACTOR, THE CONTRACTOR SHALL SUSPEND EXCAVATION WORK OF IMPACTED AND/OR OWNER'S ENVIRONMENTAL CONSULTANT PRIOR TO PROCEEDING WITH FURTHER WORK IN THE IMPACTED SOIL STRUCTED BY THE OWNER AND/OR OWNER'S ENVIRONMENTAL CONSULTANT.

HALL BE DISCONNECTED AND CAPPED AT MAIN IN ACCORDANCE WITH THE REQUIREMENTS OF THE POTABLE WELL IG ONSITE WATER PIPING TO BE ABANDONED TO RIGHT OF WAY LINE UNLESS OTHERWISE SHOWN ON DEMOLITION PLANS TABLE WELL AUTHORITY TO BE REMOVED TO MAIN.

SHALL BE PLUGGED WITH NON-SHRINK GROUT AT CURB LINE OR AT MAIN CONNECTION IN ACCORDANCE WITH THE REQUIREMENTS. REMOVE EXISTING LATERAL PIPING FROM SITE UNLESS OTHERWISE SHOWN ON DEMOLITION PLANS OR AS UTILITY PROVIDER.

ALL BE CAPPED AND SERVICE LINES PURGED OF RESIDUAL GAS IN ACCORDANCE WITH THE GAS UTILITY PROVIDER COORDINATED BY AND PAID FOR BY THE CONTRACTOR. REMOVE EXISTING SERVICE PIPING ON SITE. ANY PROPANE RESIDUAL GAS BY PROPANE SUPPLIER. CONTRACTOR SHALL COORDINATE THIS WORK AND PAY NECESSARY FEES. DVIDE DISCONNECT NOTIFICATION TO THE MUNICIPALITY ENGINEERING DEPARTMENT, TELECOMMUNICATIONS UTILITY

IDER, ELECTRIC UTILITY PROVIDER, SANITARY UTILITY PROVIDER, AND POTABLE WELL AUTHORITY AT LEAST THREE WEEKS

ISIBLE FOR SECURING A DEMOLITION PERMIT FROM THE MUNICIPALITY BUILDING DEPARTMENT AND MUST FURNISH THE RIAL AND PAY ALL FEES.

JNDATION HOLES AND REMOVED DRIVEWAY AREAS IN LOCATIONS NOT SUBJECT TO FURTHER EXCAVATION WITH SOIL OWNER'S GEOTECHNICAL ENGINEER AND COMPACT, FERTILIZE, SEED AND MULCH DISTURBED AREAS NOT SUBJECT TO . DEMOLISHED BUILDING FOUNDATION AREA AND BASEMENT IF PRESENT TO BE BACKFILLED WITH GRAVEL FILL OR PROJECT GEOTECHNICAL REPORT IN LIFT THICKNESS SPECIFIED IN THE GEOTECHNICAL REPORT. COMPACT TO 95% MAX. 57 AT MOISTURE CONTENT SPECIFIED IN GEOTECHNICAL REPORT AND EARTHWORK SPECIFICATION. EMPLOY WATERING

PAIR PAVEMENTS BY INSTALLING TEMPORARY AND PERMANENT PAVEMENTS IN PUBLIC RIGHTS OF WAYS AS REQUIRED BY es and the municipality and per permit requirements due to demolition and pipe removal activities.

AND REMOVE AT LUMINARE AND SIGN LOCATIONS ANY PROTRUDING CONDUITS TO 24" BELOW GRADE. THE ALL CABLE AND CONDUCTORS FROM REMAINING LIGHTING AND SIGNING CONDUITS TO BE ABANDONED. ANY REMAINING E SHALL BE RECIRCUITED OR REWIRED AS NECESSARY TO REMAIN IN OPERATION.

L BE INITIATED BY THE CONTRACTOR UNTIL A PRE-CONSTRUCTION MEETING WITH OWNER AND THE CIVIL ENGINEER IS R SHOULD BE AWARE OF ANY SITE INFORMATION AVAILABLE SUCH AS GEOTECHNICAL AND ENVIRONMENTAL REPORTS. VE CBYD MARK OUTS OF EXISTING UTILITIES COMPLETED PRIOR TO MEETING.

RANGE FOR AND INSTALL TEMPORARY OR PERMANENT UTILITY CONNECTIONS WHERE INDICATED ON PLAN OR AS SERVICES TO BUILDINGS OR TO SERVICES TO REMAIN. CONTRACTOR TO COORDINATE WITH UTILITY PROVIDERS FOR TY PROVIDER FEES.

COMMENCE DEMOLITION OR UTILITY DISCONNECTIONS UNTIL AUTHORIZED TO DO SO BY THE OWNER.

ITION CONTRACTOR SHALL INSTALL TEMPORARY SHEETING OR SHORING AS NECESSARY TO PROTECT EXISTING AND NEW UTILITIES DURING CONSTRUCTION AND DEMOLITION. SHEETING OR SHORING SHALL BE DESIGNED BY A PROFESSIONAL STATE AND EVIDENCE OF SUCH SUBMITTED TO THE OWNER PRIOR TO INSTALLATION. AITTED UNLESS PAID TO THE OWNER AS A CREDIT.

AND ANY EXISTING SEPTIC TANKS/ABSORPTION AREAS SHALL BE ABANDONED AND REMOVED PER THE DEEP AND

ALL REMAIN OPEN FOR NORMAL BUSINESS OPERATIONS UNTIL COMPLETION AND OCCUPATION OF THE NEW BUILDING. ESERVE EXISTING VEGETATION WHERE POSSIBLE AND/OR AS NOTED ON DRAWINGS. REFER TO SEDIMENT AND EROSION

AND STOCKPILED ON SITE FOR USE IN FINAL LANDSCAPING.

WITH REMOVAL AND REPLACEMENT OF FILL AND REMOVAL AND REPLACEMENT OF UNSUITABLE AND SOFT SUBGRADE THE GEOTECHNICAL ENGINEER. SEE GEOTECHNICAL REPORT AND EARTHWORK SPECIFICATIONS FOR FURTHER DESCRIPTION. VPACT FILL IN LIFT THICKNESS PER THE GEOTECHNICAL REPORT UNDER ALL PARKING, BUILDING, DRIVE, AND STRUCTURE MUM DRY DENSITY AS DETERMINED BY ASTM D1557 (MODIFIED PROCTOR TEST), OR AS REQUIRED BY THE GEOTECHNICAL

DED, IF DETERMINED NECESSARY IN THE FIELD BY THE OWNER/GEOTECHNICAL ENGINEER, AFTER SUBGRADE IS ROUGH

PHYSICALLY MARKED IN THE FIELD AND APPROVED BY THE MUNICIPALITY'S AGENT PRIOR TO THE START OF WORK ON

CEDURES SHALL BE FOLLOWED ON ALL IMPROVEMENTS WITHIN THIS PARCEL SO AS TO PREVENT THE SILTING OF ANY IN ACCORDANCE WITH THE REGULATIONS OF THE CT DEEP AND THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION TEST EDITION. IN ADDITION, THE CONTRACTOR SHALL STRICTLY ADHERE TO THE SEDIMENT AND EROSION CONTROL PLAN ITRACTOR SHALL BE RESPONSIBLE TO POST ALL BONDS AS REQUIRED BY THE LOCAL MUNICIPALITIES, OR SOIL CH WOULD GUARANTEE THE PROPER IMPLEMENTATION OF THE PLAN.

OF CONSTRUCTION, AND CONSTRUCTION METHODS FOR EARTHWORK AND STORM DRAINAGE WORK SHALL CONFORM TO TAILS AND APPLICABLE SECTIONS OF THE PROJECT SPECIFICATIONS MANUAL. OTHERWISE THIS WORK SHALL CONFORM TO TRANSPORTATION SPECIFICATIONS AND PROJECT GEOTECHNICAL REPORT IF THERE IS NO PROJECT SPECIFICATIONS UNDER STRUCTURES AND PAVED AREAS SHALL BE PER THE ABOVE STATED APPLICABLE SPECIFICATIONS, AND/OR ORT, AND SHALL BE PLACED IN ACCORDANCE WITH THE APPLICABLE SPECIFICATIONS UNDER THE SUPERVISION OF A GINEER. MATERIAL SHALL BE COMPACTED IN LIFT THICKNESSES PER THE PROJECT GEOTECHNICAL REPORT TO 95% OF AS DETERMINED BY ASTM D 1557 AT MOISTURE CONTENT INDICATED IN PROJECT GEOTECHNICAL REPORT.

TO MUNICIPAL AND STATE PROPERTY DUE TO CONSTRUCTION SHALL BE RESTORED TO ITS PREVIOUS CONDITION OR ON OF THE MUNICIPALITY AND STATE AS APPLICABLE FOR THE LOCATION OF THE WORK.

DOT RIGHT OF WAY SHALL COMPLY WITH ALL DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS.

ITE INSTALLED PIPES UP TO 5' FROM THE BUILDING FACE. REFER TO DRAWINGS BY ARCHITECT FOR BUILDING CTOR SHALL SUPPLY AND INSTALL PIPE ADAPTERS AS NECESSARY AT BUILDING CONNECTION POINT OR AT EXISTING

IT THE SITE AND VERIFY THE ELEVATION AND LOCATION OF ALL UTILITIES BY VARIOUS MEANS PRIOR TO BEGINNING ANY LL BE DUG AT ALL LOCATIONS WHERE PROPOSED SANITARY SEWERS AND WHERE PROPOSED STORM PIPING WILL CROSS HORIZONTAL AND VERTICAL LOCATIONS OF THE UTILITIES SHALL BE DETERMINED. THE CONTRACTOR SHALL CONTACT THE F OF ANY DISCOVERED OR UNFORESEEN CONFLICTS BETWEEN EXISTING AND PROPOSED SANITARY SEWERS, STORM PIPING APPROPRIATE MODIFICATION MAY BE MADE.

AS REFLECTED ON THE PLAN MAY CHANGE SUBJECT TO UTILITY PROVIDER AND GOVERNING AUTHORITY STAFF REVIEW. SURE THAT ALL UTILITY PROVIDERS AND GOVERNING AUTHORITY STANDARDS FOR MATERIALS AND CONSTRUCTION ITRACTOR SHALL PERFORM PROPER COORDINATION WITH THE RESPECTIVE UTILITY PROVIDER.

RANGE FOR AND COORDINATE WITH THE RESPECTIVE UTILITY PROVIDERS FOR SERVICE INSTALLATIONS AND CONNECTIONS. ORDINATE WORK TO BE PERFORMED BY THE VARIOUS UTILITY PROVIDERS AND SHALL PAY ALL FEES FOR CONNECTIONS, NS, INSPECTIONS, AND DEMOLITION UNLESS OTHERWISE STATED IN THE PROJECT SPECIFICATIONS MANUAL AND/OR CONTRACT.

TRE UTILITY PIPING IS TO BE INSTALLED SHALL BE SAW CUT. AFTER UTILITY INSTALLATION IS COMPLETED, THE TEMPORARY AND/OR PERMANENT PAVEMENT REPAIR AS DETAILED ON THE DRAWINGS OR AS REQUIRED BY THE OWNER

I STRAIGHT ALIGNMENTS AND EVEN GRADES USING A PIPE LASER OR OTHER ACCURATE METHOD.

AINTAIN (10' MIN. HORIZONTAL 1.5' VERTICAL MIN.) SEPARATION DISTANCE FROM WATER LINES, OR ADDITIONAL BE REQUIRED WHERE PERMITTED, WHICH SHALL INCLUDE CONCRETE ENCASEMENT OF PIPING UNLESS OTHERWISE DIRECTED BY THE UTILITY PROVIDERS AND CIVIL ENGINEER.

89. RELOCATION OF UTILITY PROVIDER FACILITIES SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE UTILITY PR 90. THE CONTRACTOR SHALL COMPACT THE PIPE BACKFILL IN 8" LIFTS ACCORDING TO THE PIPE BEDDING DETAILS. TRENCH B IN HIGH GROUNDWATER AREAS. A PIPE FOUNDATION SHALL BE USED PER THE TRENCH DETAILS AND IN AREAS OF ROCK E

- 91. CONTRACTOR TO PROVIDE STEEL SLEEVES AND ANNULAR SPACE SAND FILL FOR UTILITY PIPE AND CONDUIT CONNECTIONS
- 92. BUILDING UTILITY PENETRATIONS AND LOCATIONS ARE SHOWN FOR THE CONTRACTOR'S INFORMATION AND SHALL BE VERIFIE
- MEP, STRUCTURAL, AND ARCHITECTURAL DRAWINGS AND WITH THE OWNER'S CONSTRUCTION MANAGER. 93. ALL UTILITY CONSTRUCTION IS SUBJECT TO INSPECTION FOR APPROVAL PRIOR TO BACKFILLING, IN ACCORDANCE WITH THE PROVIDER REQUIREMENTS
- 94. A ONE-FOOT MINIMUM VERTICAL CLEARANCE BETWEEN WATER, GAS, ELECTRICAL, AND TELEPHONE LINES AND STORM PIPING SIX-INCH MINIMUM CLEARANCE SHALL BE MAINTAINED BETWEEN STORM PIPING AND SANITARY SEWER WITH A CONCRETE EN TO 6-INCH VERTICAL CLEARANCE BETWEEN SANITARY SEWER PIPING AND STORM PIPING SHALL REQUIRE CONCRETE ENCASE
- 95. GRAVITY SANITARY SEWER PIPING AND PRESSURIZED WATERLINES SHALL BE LOCATED IN SEPARATE TRENCHES AT LEAST 10 POSSIBLE. WHEN INSTALLED IN THE SAME TRENCH, THE WATER PIPE SHALL BE LAID ON A TRENCH BENCH AT LEAST 18 INC THE SANITARY SEWER PIPE AND AT LEAST 12 INCHES (PREFERABLY 18 INCHES) FROM THE SIDE OF THE SANITARY SEWER
- 96. SITE CONTRACTOR SHALL PROVIDE ALL BENDS, FITTINGS, ADAPTERS, ETC., AS REQUIRED FOR PIPE CONNECTIONS TO BUILDIN ROOF/FOOTING DRAIN CONNECTIONS TO ROOF LEADERS AND TO STORM DRAINAGE SYSTEM.
- 97. MANHOLE RIMS AND CATCH BASIN GRATES SHALL BE SET TO ELEVATIONS SHOWN. SET ALL EXISTING MANHOLE RIMS AND RAISED OR LOWERED FLUSH WITH FINAL GRADE AS NECESSARY.
- 98. SITE CONTRACTOR SHALL COORDINATE INSTALLATION OF CONDUIT AND CABLES FOR SITE LIGHTING WITH THE BUILDING ELEC 99. CONTRACTOR SHALL COORDINATE INSTALLATION FOR ELECTRICAL SERVICES TO PYLON SIGNS AND SITE LIGHTING WITH THE CONTRACTOR.
- 100. THE CONTRACTOR SHALL ARRANGE AND COORDINATE WITH UTILITY PROVIDERS FOR WORK TO BE PERFORMED BY UTILITY PR CONTRACTOR SHALL PAY ALL UTILITY FEES UNLESS OTHERWISE STATED IN THE PROJECT SPECIFICATION MANUAL AND GENER REPAIR PAVEMENTS AS NECESSARY.
- 101. ELECTRIC, AND TELECOMMUNICATIONS SERVICES SHALL BE INSTALLED UNDERGROUND FROM THE SERVICE POLE INDICATED O PLAN. THE CONTRACTOR SHALL PROVIDE AND INSTALL AND BACKFILL (2) 4" PVC CONDUITS FOR TELECOMMUNICATIONS SER CONDUITS FOR ELECTRIC SERVICE PRIMARY, PVC CONDUITS FOR ELECTRICAL SECONDARY PER BUILDING ELECTRICAL PLANS, PAVEMENT, SCHEDULE 40 IN NON PAVEMENT AREAS). SERVICES MAY BE INSTALLED IN A COMMON TRENCH WITH 12" CLEAR MINIMUM COVER IS 36" ON ELECTRIC CONDUITS, AND 24" ON TELECOMMUNICATIONS CONDUITS. SERVICES SHALL BE MARKEI TAPE AND SHALL BE BEDDED, INSTALLED, AND BACKFILLED IN ACCORDANCE WITH ELECTRIC UTILITY PROVIDER, AND TELECO STANDARDS. GALVANIZED STEEL ELECTRICAL CONDUIT SHALL BE USED AT POLE AND TRANSFORMER LOCATIONS. INSTALL HA TO FACILITATE INSTALLATION AND AS REQUIRED BY UTILITY PROVIDER. INSTALL TRAFFIC LOAD QUALIFIED HANDHOLES IN VEI CONCRETE ENCASEMENT ON PRIMARY ELECTRIC CONDUITS IF REQUIRED BY ELECTRIC UTILITY PROVIDER.
- 102. ALL WATER LINES TO HAVE A MINIMUM COVER OF 3'-6". ALL LINES SHALL BE BEDDED IN 6" SAND AND INITIALLY BACKFIL
- 103. ALL WATER MAINS, WATER SERVICES AND SANITARY SEWER LATERALS SHALL CONFORM TO THE APPLICABLE POTABLE WELL SPECIFICATIONS, AND TO THE APPLICABLE SANITARY SEWER PROVIDER SPECIFICATIONS, AS WELL AS TO OTHER APPLICABLE CTDPH, AND PROJECT SPECIFICATIONS FOR POTABLE WATER SYSTEMS, AND FOR SANITARY SEWER SYSTEMS.
- 104. THE CONTRACTOR SHALL MAINTAIN ALL FLOWS AND UTILITY CONNECTIONS TO EXISTING BUILDINGS WITHOUT INTERRUPTION U TO DISCONNECT BY THE OWNERS, THE CIVIL ENGINEER, UTILITY PROVIDERS AND GOVERNING AUTHORITIES.
- 105. THE CONTRACTOR MAY SUBSTITUTE MASONRY STRUCTURES FOR PRECAST STRUCTURES IF APPROVED BY THE CIVIL ENGINEER GOVERNING AUTHORITY ENGINEER OR OTHER GOVERNING AUTHORITY.
- 106. PIPING SHALL BE LAID FROM DOWNGRADIENT END OF PIPE RUN IN AN UPGRADIENT DIRECTION WITH BELL END FACING UPGR PIPE LAYING. 107. ALL RCP SHALL CONFORM TO THE REQUIREMENTS OF ASTM C-76; ALL RCP SHALL BE CLASS IV UNLESS OTHERWISE SHOW TO THE REQUIREMENTS OF ASTM C-443.

108. MANHOLE SECTIONS AND CONSTRUCTION SHALL CONFORM TO ASTM C-478.

- 109. HIGH DENSITY POLYETHYLENE (HDPE) STORM SEWER 12" OR GREATER IN DIAMETER SHALL BE HI-Q SURE-LOK 10.8 PIPE A HANCOR INC. OR APPROVED EQUAL. HDPE PIPE SHALL HAVE SMOOTH INTERIOR AND CORRUGATED EXTERIOR AND SHALL ME Aashto M294, type S. Pipe sections shall be joined with Bell-And-Spigot joint meeting the requirements of  $\prime$ SHALL BE AN INTEGRAL PART OF THE PIPE AND PROVIDE A MINIMUM PULL-APART STRENGTH OF 400 POUNDS. THE JOINT ACCORDING TO THE REQUIREMENTS OF ASTM D3212. GASKETS SHALL BE MADE OF POLYISOPRENE MEETING THE REQUIREME ALTERNATIVE HDPE PIPE MAY BE USED IF APPROVED BY THE ENGINEER AND OWNER'S CONSTRUCTION MANAGER PRIOR TO
- 110. HIGH DENSITY POLYETHYLENE (HDPE) STORM SEWER LESS THAN 12" IN DIAMETER SHALL BE HI-Q PIPE AS MANUFACTURED APPROVED EQUAL. HDPE PIPE SHALL HAVE SMOOTH INTERIOR AND CORRUGATED EXTERIOR AND SHALL MEET THE REQUIREM TYPE S. PIPE SECTIONS SHALL BE JOINED WITH COUPLING BANDS OR EXTERNAL SNAP COUPLERS COVERING AT LEAST 2 FI EACH END OF THE PIPE. SILT-TIGHT (GASKET) CONNECTIONS SHALL INCORPORATE A CLOSED SYNTHETIC EXPANDED RUBBI REQUIREMENTS OF AASHTO D1056 GRADE 2A2. GASKETS SHALL BE INSTALLED ON THE CONNECTION BY THE PIPE MANUFAC HDPE PIPE MAY BE USED IF APPROVED BY THE ENGINEER AND OWNER'S CONSTRUCTION MANAGER PRIOR TO ORDERING.

111. COPPER PIPE SHALL BE TYPE K TUBING WITH COMPRESSION FITTINGS.

112. GAS PIPE MATERIAL SHALL BE PER GAS COMPANY REQUIREMENTS.

113. POLYVINYL CHLORIDE PIPE (PVCP) FOR SANITARY PIPING SHALL HAVE BUILT-IN RUBBER GASKET JOINTS. PVCP SHALL CONF (SDR35) WITH COMPRESSION JOINTS AND MOLDED FITTINGS. PVCP SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAILS, MANUFACTURER'S RECOMMENDED PROCEDURE.

114. PVC WATER MAIN PIPING SHALL CONFORM TO AWWA C900.

		é – tal
	DEFINITIONS	ring vey
ROVIDER.	MUNICIPALITY SHALL MEAN TOWN OF BOLTON	itec onn Sur
BOTTOM SHALL BE STABLE	COUNTY SHALL MEAN TOLLAND COUNTY	rchi Jgir Virch
LINDER FOOTINGS	STATE SHALL MEAN <u>CONNECTICUT</u>	水戸戸し
	POTABLE WELL AUTHORITY SHALL MEAN EASTERN HIGHLANDS HEALTH DISTRICT	
	SANITARY UTILITY PROVIDER SHALL MEAN BOLTON LAKES REGIONAL WATER POLLUTION CONTROL AUTHORITY	
APPROPRIATE UTILITY	GAS UTILITY PROVIDER SHALL MEAN PROPANE TANK PROVIDER	
	TELECOMMUNICATIONS UTILITY PROVIDER SHALL MEAN FRONTIER COMMUNICATIONS OF CONNECTICUT	
ICASEMENT. AN 18-INCH EMENT OF THE PROPOSED	ELECTRIC UTILITY PROVIDER SHALL MEAN <u>EVERSOURCE ENERGY - ELECTRIC DISTRIBUTION</u>	100 Constitution Plaza
0 FEET APART WHENEVER CHES ABOVE THE TOP OF PIPE TRENCH.		10th Floor Hartford, CT 06103 (860) 249-2200 (860) 249-2400 Fax
NG STUB OUTS, INCLUDING		
VALVE COVERS TO BE		In THE OF CONNECTION
CTRICAL CONTRACTOR.		A Color Se
BUILDING ELECTRICAL		The second
Roviders. The Eral conditions, and		CENSES
N THE SITE UTILITIES RVICE, (2) 4" PVC (SCHEDULE 80 UNDER R SPACE BETWEEN. D WITH MAGNETIC LOCATOR DMMUNICATIONS COMPANY ANDHOLES AS REQUIRED HICULAR AREAS. INSTALL		
LED WITH 12" SAND.		
. AUTHORITY E INDUSTRY CODES (AWWA),		Ĭ
unless/until authorized		E S
er and allowed by the		PA
rade in the direction of		
N. JOINTS SHALL CONFORM		<b>EVE</b> RNPI
AS MANUFACTURED BY EET THE REQUIREMENTS OF AASHTO M294. THE BELL SHALL BE WATERTIGHT INTS OF ASTM F477. ORDERING.		<b>TAIL D</b> SSTON TU I, CONNE
BY HANCOR INC. OR MENTS OF AASHTO 252, ULL CORRUGATIONS ON ER GASKET. MEETING THE CTURER. ALTERNATIVE		<b>SED RE</b> 1100 BC BOLTON
FORM TO ASTM D3034 , ASTM D2321 AND		PROPC
		4

#### FOR PERMITTING PURPOSES ONLY NOT RELEASED FOR CONSTRUCTION

PROPOSED RETAIL	BOLTON, CONN
REVISIONS No. Date Desc.	
Designed Drawn Reviewed Scale Project No. Date CAD File: GN200203201 Title <b>GENERAL NOTES</b>	S.E.I S.E.I NON 200203 04/02/202
Sheet No.	1-1

## **DEMOLITION LEGEND**







PROPERTY LINE LIMIT OF DISTURBANCE AND SITEWORK CONTRACT LIMIT LINE SAWCUT LINE

REMOVE AND DISPOSE OF CURB, FENCE, ETC.

PROTECT EXISTING UTILITY LINE

LIMIT OF TREE AND VEGETATION CLEARING REMOVE AND DISPOSE OF SIGN, HYDRANT, FIXTURE, ETC.

REMOVE AND DISPOSE OF EXISTING BITUMINOUS CONCRETE PAVEMENT STRUCTURE

REMOVE AND DISPOSE OF EXISTING TREE AND STUMP

PROTECT EXISTING TREE TO REMAIN

ENCROACHMENT	
EXEPTION #3	

N/F

N/F

N/F DREW & HARRY .182- PG.1074 7 NORTH RD

N/F



BOLI	

TON PLANNING AND ZONING COMMISSION, BOLTON, CT

DATE OF EXPIRATION DATE APPROVED

_CHAIRMAN THE STATUTORY FIVE-YEAR PERIOD FOR COMPLETION OF ALL PHYSICAL IMPROVEMENTS EXPIRES ON

021 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.

## **ZONING INFORMATION**

LOCATION: BOLTON, TOLLAND COUNTY, CONNECTICUT

ZONE: RURAL MIXED USE ZONE (RMUZ)

	USE: RET/	AIL (PERMITTED BY SPECIAL PERMIT)			
	ITEM #	ITEM	REQUIREMENTS	PROPOSED	VARIANCE
	1	MINIMUM LOT AREA	80,000 S.F.	80,707 S.F. (1.85 AC.)	NO
	2	MINIMUM LOT WIDTH	NONE REQUIRED	308 FEET	NO
	3	MINIMUM LOT FRONTAGE	150 FEET	260.4 FEET	NO
	4	MINIMUM FRONT SETBACK	NONE REQUIRED	71.9 FEET	NO
	5	MINIMUM SIDE SETBACK	25 FEET (50 FEET) [1]	72.8 FEET	NO
	6	MINIMUM REAR SETBACK	25 FEET [1]	51.4 FEET	NO
7 MAXIMUM BUILDING HEIGHT 8 MAXIMUM BUILDING COVERAGE		MAXIMUM BUILDING HEIGHT	35 FEET/2.5 STORIES	25.6 FEET	NO
		MAXIMUM BUILDING COVERAGE	25 PERCENT	13.2 PERCENT	NO
	9	MAXIMUM IMPERVIOUS COVERAGE	50 PERCENT	39.9 PERCENT	NO

LINE

5 NORTH RD

[1] MINIMUM SIDE AND REAR SETBACKS - 50 FEET WHEN ABUTTING A RESIDENTIAL DISTRICT

## PARKING INFORMATION

					AR ANDREW
ITEM #	ITEM	REQUIREMENTS	PROPOSED	VARIANCE	/OL.53- PG.792
1	BUILDING SIZE	600 S.F.	10,640 S.F.	NO	
2	PARKING REQUIRED	RETAIL: MINIMUM - 2 SPACES PER 1,000 S.F. OF GFA (10,640 S.F.) MINIMUM REQUIRED = 22 SPACES MAXIMUM - 5 SPACES PER 1,000 S.F. OF GFA (10,640 S.F.) MAXIMUM ALLOWED = 54 SPACES	33 SPACES	NO	PROVIDE AND INSTALL MONO CONCRETE CURB AND SIDEWALK 8' LANDSCAPE E AROUND BUILDIN
3	MINIMUM HANDICAPPED PARKING SPACES REQUIRED	2 SPACES	2 SPACES	NO	PROVIDE AND INSTAL
4	MINIMUM PARKING DIMENSIONS	9 FEET X 18 FEET	9 FEET X 20 FEET	NO	
5	MINIMUM LOADING DIMENSIONS	10 FEET X 25 FEET X 14 FEET	33 FEET X 71 FEET X > 14 FEET	NO	
6	MINIMUM AISLE WIDTH	22 FEET – 2–WAY 11 FEET – 1–WAY	30 FEET - 2-WAY	NO	END MONOLITHIC CONCRET
7	MINIMUM FRONT SETBACK	50 FEET [2]	50.5 FEET	NO	END BITUMINOUS CONCRETE
8	MINIMUM SIDE SETBACK	NONE REQUIRED [2]	77.1 FEET	NO	BEGIN MONOLITHIC CONCRETE AND SIL
9	MINIMUM REAR SETBACK	NONE REQUIRED [2]	5.3 FEET	NO	REW PROVIDE AND INSTALL 5 CONCRETE SIDEWALK STRU
10	BICYCLE PARKING REQUIRED	1 BICYLE PARKING SPACE PER 25 PARKING STALLS (2 REQUIRED)	2 BICYCLE PARKING SPACES	NO	PROVIDE AND INSTALL P. 182— PG.107CONNECTICUT SYME ACCESSIBILITY (TYP.

[2] 10 FEET LANDSCAPED BUFFER STRIP REQUIRED WHERE ABUTTING A RESIDENCE DISTRICT

## SITE PLAN LEGEND



PROPERTY LINE LIMIT OF DISTURBANCE AND SITEWORK CONTRACT LIMIT LINE SAWCUT LINE

PROVIDE AND INSTALL CONCRETE PAVEMENT STRUCTURE, REINFORCED CONCRETE SIDEWALK, OR MONOLITHIC CONCRETE CURB AND SIDEWALK

PROVIDE AND INSTALL FULL DEPTH HEAVY DUTY BITUMINOUS CONCRETE PAVEMENT STRUCTURE

PROVIDE AND INSTALL FULL DEPTH STANDARD DUTY BITUMINOUS CONCRETE PAVEMENT STRUCTURE

PROVIDE AND INSTALL SIGN

### SIGN LEGEND

•

SIGN NO.	C-DOT NO.	LEGEND
A	31–0552Z	STOP 30"
В	31–0629	HANDICAPPED PARIONG STATE FORMT RECIMED
С	31–0648	VAN ACCESSIBLE
NOTE: 1. HANDICAPPED SIGNS TO BE INSTALLED IN PIPE BOLLARDS (SEE DETAIL). ALL HANDICAP SIGNAGE TO CONFORM TO LATEST BUILDING CODE. 2. SIGNS INSTALLED IN THE STATE RIGHT-OF-WAY		

MUST BE INSTALLED IN ACCORDANCE WITH THE DEPARTMENT'S TYPICAL DETAIL SHEETS (I.E. HEIGHT, BREAKAWAY POSTS, ETC.)

BOLTON PLANNING AND ZONING COMMISSION, BOLTON, CT

DATE APPROVED DATE OF EXPIRATION

_CHAIRMAN THE STATUTORY FIVE-YEAR PERIOD FOR COMPLETION OF ALL PHYSICAL IMPROVEMENTS EXPIRES ON

1 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES

EXIST







## GRADING AND DRAINAGE LEGEND

PROPERTY LINE

SAWCUT LINE

STORM LINE MANHOLE

CATCH BASIN

LOD -		_
 	 	_
$\bigcirc$		

×100.00

PROPOSED CONTOUR LINE PROPOSED SPOT GRADE

LIMIT OF DISTURBANCE AND SITEWORK CONTRACK LIMIT LINE



SPOT GRADE ABBREVIATIONS BC BOTTOM OF CURB TC TOP OF CURB W BOTTOM OF WALL TOP OF WALL MEET EXISTING CONDITION

ENCROACHMENT	St
EXEPTION #3	

N/F		
ARLES	&	MARIE
)L.41– PG	.95	
5 NORTH	RD	

N/F

**)RÉW** .182- PG.1074



BOLTON PLANNING AND ZONING COMMISSION, BOLTON, CT

DATE APPROVED DATE OF EXPIRATION

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IT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANI

## SITE UTILITIES LEGEND

	PROPERTY LI
LOD	LIMIT OF DIS CONTRACT LI
	SAWCUT LINE
—— Е —— Е ——	ELECTRIC LIN
G G	GAS LINE
——— w ——— w ———	WATER LINE
ss	SANITARY SE
SFM	SANITARY SE
— T T	TELECOMMUN
ETC	ELECTRIC AN
	STORM LINE

PROPERTY LINE LIMIT OF DISTURBANCE AND SITEWORK CONTRACT LIMIT LINE SAWCUT LINE ELECTRIC LINE GAS LINE WATER LINE SANITARY SEWER LINE SANITARY SEWER FORCE MAIN TELECOMMUNICATIONS LINE

ELECTRIC AND TELECOMMUNICATIONS LINE

![](_page_19_Picture_3.jpeg)

![](_page_19_Picture_4.jpeg)

5 NORTH UNDERGROUND PROPANE TANK AND ASSOCIATED BOLLARDS,

AR VOL.53- PG.792

)RE .182- PG.1074

184 BOSTEONE DUPLEX DH152-93 PUMP, DESIGN FLOW=75GPD

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		_
BOLTON PLANNING AND ZONING COMMISSION.	BOLTON.	C

DATE APPROVED DATE OF EXPIRATION

CHAIRMAN

THE STATUTORY FIVE-YEAR PERIOD FOR COMPLETION OF ALL PHYSICAL IMPROVEMENTS EXPIRES ON

21 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.

## **EROSION CONTROL LEGEND**

![](_page_20_Picture_1.jpeg)

PROPERTY LINE LIMIT OF DISTURBANCE AND SITEWORK CONTRACT LIMIT LINE SAWCUT LINE SILT FENCE BARRIER

SILT SACK INLET PROTECTION

CONCRETE WASH PIT

TEMPORARY MATERIAL STOCKPILE

EROSION CONTROL BLANKET

CONSTRUCTION ENTRANCE

ENCROACHMENT	S
EXEPTION #3	

N/F

N/F

![](_page_20_Figure_15.jpeg)

BOLTON PLANNING AND ZONING COMMISSION, BOLTON, CT

DATE APPROVED DATE OF EXPIRATION

_CHAIRMAN THE STATUTORY FIVE-YEAR PERIOD FOR COMPLETION OF ALL PHYSICAL IMPROVEMENTS EXPIRES ON

. COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIE

#### SEDIMENT AND EROSION CONTROL NOTES

SEDIMENT & EROSION CONTROL NARRATIVE THE SEDIMENT AND EROSION CONTROL PLAN WAS DEVELOPED TO PROTECT THE EXISTING ROADWAY AND SYSTEMS, ADJACENT PROPERTIES, AND ANY ADJACENT WETLAND AREA AND ANY ADJACENT WATER COUL LADEN SURFACE RUNOFF AND EROSION. A CONSTRUCTION SEQUENCE IS PROVIDED TO PROVIDE SURFAC CONTROLS PRIOR TO THE BEGINNING OF PROJECT DEMOLITION AND/OR CONSTRUCTION. CONSTRUCTION SCHEDULE

THE ANTICIPATED STARTING DATE FOR CONSTRUCTION IS SPRING 2021 WITH COMPLETION ANTICIPATED FA APPROPRIATE SEDIMENT AND EROSION CONTROL MEASURES AS DESCRIBED HEREIN SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ALL DEMOLITION OR CONSTRUCTION ACTIVITY. SCHEDULE WORK TO MII TIME THAT BARE SOIL WILL BE EXPOSED.

CONTINGENCY EROSION PLAN THE CONTRACTOR SHALL INSTALL ALL SPECIFIED SEDIMENT AND EROSION CONTROL MEASURES AND WILL MAINTAIN THEM IN THEIR INTENDED FUNCTIONING CONDITION. THE AGENTS OF THE MUNICIPALITY OR INLA COMMISSION AND/OR CIVIL ENGINEER SHALL HAVE THE AUTHORITY TO REQUIRE SUPPLEMENTAL MAINTENA MEASURES IF FIELD CONDITIONS ARE ENCOUNTERED BEYOND WHAT WOULD NORMALLY BE ANTICIPATED.

CONSTRUCTION SEQUENCE THE FOLLOWING CONSTRUCTION SEQUENCE IS RECOMMENDED:

- 1. CONTACT MUNICIPALITY OR INLAND WETLANDS COMMISSION AGENT AT LEAST FORTY-EIGHT (48) HOU COMMENCEMENT OF ANY DEMOLITION, CONSTRUCTION OR REGULATED ACTIVITY ON THIS PROJECT.
- 2. CLEARING LIMITS SHALL BE PHYSICALLY MARKED IN THE FIELD AND APPROVED BY THE MUNICIPALITY COMMISSION AGENT PRIOR TO THE START OF WORK ON THE SITE. INSTALL TREE PROTECTION AND P
- 3. CONSTRUCT STONE CONSTRUCTION ENTRANCE ANTI-TRACKING PADS AT CONSTRUCTION ENTRANCES/ FILTER FABRIC AROUND GRATES OF CATCH BASINS OR INSTALL SILT SACKS ON CATCH BASIN INLETS INSTALL SILT FENCE AND OTHER EROSION CONTROL DEVICES INDICATED ON THESE PLANS AT PERIME SITE DISTURBANCE AND INSTALL ALL EROSION CONTROL MEASURES AND TREE PROTECTION INDICATED INSTALL SEDIMENT BASINS AND SEDIMENT TRAPS IF REQUIRED AT LOW AREAS OF SITE OR AS ORDER OR AS SHOWN ON THESE PLANS.
- 4. CLEAR AND GRUB SITE. STOCKPILE CHIPS. STOCKPILE TOPSOIL. INSTALL SEDIMENT AND EROSION CC STOCKPILES.
- 5. ANY BUILDING AND SITE DEMOLITION AND REMOVAL. PAVEMENT REMOVAL.
- 6. INSTALL SILT FENCE, CONSTRUCT ANY DIVERSION SWALES AND SEDIMENT BASINS AND SEDIMENT TRA INSTALLATION OF STORM DRAINAGE SYSTEM.
- 7. COMMENCE EARTHWORK. INSTALL ADDITIONAL SEDIMENT AND EROSION CONTROLS AS WORK PROGRES STORM DRAINAGE SYSTEM CONSTRUCTION, TOPSOIL AND SEED SLOPES WHICH HAVE ACHIEVED FINAL
- 8. CONSTRUCTION STAKING OF ALL BUILDING CORNERS, UTILITIES, ACCESS DRIVES, AND PARKING AREAS
- 9. ROUGH GRADING AND FILLING OF SUBGRADES AND SLOPES.
- 10. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELER SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION.
- 11. BEFORE DISPOSING OF SOIL OR RECEIVING BORROW FOR THE SITE, THE CONTRACTOR MUST PROVIDE SPOIL OR BORROW AREA HAS A SEDIMENT AND EROSION CONTROL PLAN APPROVED BY THE MUNICIP WETLANDS COMMISSION AND WHICH IS BEING IMPLEMENTED AND MAINTAINED. THE CONTRACTOR SHA MUNICIPALITY AND/OR INLAND WETLANDS COMMISSION IN WRITING OF ALL RECEIVING SPOIL AND BOR THEY HAVE BEEN IDENTIFIED.
- 12. CONTINUE INSTALLATION OF STORM DRAINAGE AS SUBGRADE ELEVATIONS ARE ACHIEVED.
- 13. BUILDING FOUNDATION SUBGRADE AND PAD SUBGRADE PREPARATION.
- 14. BUILDING FOUNDATION CONSTRUCTION. BEGIN BUILDING SUPERSTRUCTURE
- 15. THROUGHOUT CONSTRUCTION SEQUENCE, REMOVE SEDIMENT FROM BEHIND ANY SILT FENCES, HAY BA EROSION CONTROL DEVICES, AND FROM SEDIMENT BASINS AND SEDIMENT TRAPS AS REQUIRED. REMC PERIODIC BASIS (EVERY SIGNIFICANT RAINFALL OF 0.25 INCH OR GREATER). INSPECTION OF SEDIMENT CONTROL MEASURES SHALL BE ON A WEEKLY BASIS AND AFTER EACH RAINFALL OF 0.25 INCHES OF COLLECTED SHALL BE DEPOSITED AND SPREAD EVENLY UPLAND ON SLOPES DURING CONSTRUCTION.
- 16. INSTALL SANITARY LATERAL AND UTILITIES. COMPLETE STORM DRAINAGE SYSTEM.
- 17. INSTALL SITE LIGHTING AND TRASH ENCLOSURE.
- 18. COMPLETE GRADING TO SUBGRADES AND CONSTRUCT PARKING AREA SUBGRADE.
- 19. CONSTRUCT CURBS, PAVEMENT STRUCTURE AND SIDEWALKS.
- 20. CONDUCT FINE GRADING.
- 21. PAVING OF PARKING AREAS AND DRIVEWAYS
- 22. FINAL FINE GRADING OF SLOPE AND NON-PAVED AREAS.
- 23. PLACE 4" TOPSOIL ON SLOPES AFTER FINAL GRADING IS COMPLETED. FERTILIZE SEED AND MULCH. S INSTALLED APRIL 15 - JUNE 1 OR AUGUST 15 - OCTOBER 1. USE EROSION CONTROL BLANKETS AS ORDERED FOR SLOPES GREATER THAN 3:1 AND AS SHOWN ON LANDSCAPE PLANS OR EROSION CON TEMPORARY STABILIZATION BEYOND SEEDING DATES USE ANNUAL RYE AT 4.0 LBS/1,000 S.F. FERTIL 1.0 LBS. OF NITROGEN PER 1,000 S.F. AND LIME AT 100 LBS/1,000 S.F. (MAX.).
- 24. LANDSCAPE ISLANDS, INTERIOR NON-PAVED AREAS, AND PERIMETER AREAS.
- 25. INSTALL SIGNING AND PAVEMENT MARKINGS
- 26. CLEAN STORM DRAINAGE PIPE STRUCTURES, DETENTION SYSTEMS AND WATER QUALITY DEVICES OF I
- 27. UPON DIRECTION OF THE MUNICIPALITY AND/OR INLAND WETLANDS COMMISSION AGENT, SEDIMENT AN MEASURES SHALL BE REMOVED FOLLOWING STABILIZATION OF THE SITE.

OPERATION REQUIREMENTS

- CLEARING AND GRUBBING OPERATIONS 1. ALL SEDIMENT AND EROSION CONTROL MEASURES, INCLUDING THE CONSTRUCTION OF TEMPORARY SE AND STONE CONSTRUCTION ENTRANCE ANTI-TRACKING PADS, WILL BE INSTALLED PRIOR TO THE STA GRUBBING AND DEMOLITION OPERATIONS.
- 2. FOLLOWING INSTALLATION OF ALL SEDIMENT AND EROSION CONTROL MEASURES, THE CONTRACTOR SH WITH GRADING, FILLING OR OTHER CONSTRUCTION OPERATIONS UNTIL THE ENGINEER HAS INSPECTED INSTALLATIONS.
- 3. THE CONTRACTOR SHALL TAKE EXTREME CARE DURING CLEARING AND GRUBBING OPERATIONS SO AS UNPROTECTED WETLAND AREAS OR SEDIMENT AND EROSION CONTROL DEVICES.
- 4. FOLLOWING THE COMPLETION OF CLEARING AND GRUBBING OPERATIONS, ALL AREAS SHALL BE STABI AND SEEDING OR CRUSHED STONE AS SOON AS PRACTICAL.

ROUGH GRADING OPERATIONS

- 1. DURING THE REMOVAL AND/OR PLACEMENT OF EARTH AS INDICATED ON THE GRADING PLAN, TOPSO AND APPROPRIATELY STOCKPILED FOR REUSE.
- 2. ALL STOCKPILED TOPSOIL SHALL BE SEEDED, MULCHED WITH HAY, AND ENCLOSED BY A SILTATION F
- FILLING OPERATIONS
- 1. PRIOR TO FILLING, ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE PROPERLY IMPLEMENTED FULLY INSTALLED, AS DIRECTED BY THE ENGINEER AND AS SHOWN ON THIS PLAN.
- 2. ALL FILL MATERIAL ADJACENT TO ANY WETLAND AREAS, IF APPLICABLE TO THIS PROJECT, SHALL BE LESS THAN 5% FINES PASSING THROUGH A #200 SIEVE (BANK RUN), SHALL BE PLACED IN LIFT THIC GREATER THAN THAT SPECIFIED IN PROJECT SPECIFICATIONS AND/OR THE PROJECT GEOTECHNICAL R BE COMPACTED TO 95% MAX. DRY DENSITY MODIFIED PROCTOR OR AS SPECIFIED IN THE CONTRACT THE GEOTECHNICAL REPORT.
- 3. AS GENERAL GRADING OPERATIONS PROGRESS, ANY TEMPORARY DIVERSION DITCHES SHALL BE RAISE NECESSARY, TO DIVERT SURFACE RUNOFF TO THE SEDIMENT BASINS OR SEDIMENT TRAPS. PLACEMENT OF DRAINAGE STRUCTURES, UTILITIES, AND BUILDING CONSTRUCTION OPERATIONS.
- 1. SILT FENCES SHALL BE INSTALLED AT THE DOWNHILL SIDES OF BUILDING EXCAVATIONS, MUD PUMP UTILITY TRENCH MATERIAL STOCKPILES. HAY BALES/STRAW BALES MAY BE USED IF SHOWN ON THE SEDIMENT AND EROSION CONTROL PLANS OR IF DIRECTED BY THE CIVIL ENGINEER.

FINAL GRADING AND PAVING OPERATIONS

BOLTON PLANNING AN	D ZONING COMMISSION, BOLT	DN, CT
DATE APPROVED	DATE OF EXPIRATION	
		CHAIRMAN
THE STATUTORY FIVE-YEAR PERIO	d for completion of all physical in	MPROVEMENTS EXPIRES OF

021 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES

		JUTE MESH, RIP RAP, ETC.) ON-SITE FOR MAINTENANCE AND EMERGENCY REPAIRS.
STORM DRAINAGE RSE FROM SEDIMENT E RUNOFF EROSION	<ol> <li>ALL INLET AND OUTLET PROTECTION SHALL BE PLACED AND MAINTAINED AS SHOWN ON SEDIMENT AND EROSION CONTROL PLANS AND DETAILS, AND AS DESCRIBED IN SPECIFICATIONS AND AS DESCRIBED HEREIN.</li> <li>NO CUT OR FILL SLOPES SHALL EXCEED 2:1 EXCEPT WHERE STABILIZED BY ROCK FACED EMBANKMENTS OR EROSION CONTROL BLANKETS, OR JUTE MESH AND VEGETATION. ALL SLOPES SHALL BE SEEDED, AND ANY ROAD OR DRIVEWAY</li> </ol>	9. PROTECT EXISTING TREES THAT ARE TO BE SAVED BY FENCING AT THE DRIP LINE OR AS SHOWN WITH SNOW FENCE, ORANGE SAFETY FENCE, OR EQUIVALENT FENCING. ANY LIMB TRIMMING SHOULD BE DONE BEFORE CONSTRUCTION BEGINS IN THAT AREA; FENCING SHALL BE MAINTAINED AND REPAIRED DURING CONSTRUCTION.
ALL 2021. BY THE CONTRACTOR NIMIZE THE LENGTH OF	SHOULDER AND BANKS SHALL BE STABILIZED IMMEDIATELY UPON COMPLETION OF FINAL GRADING UNTIL TURF IS ESTABLISHED. 3. PAVEMENT SUB-BASE AND BASE COURSES SHALL BE INSTALLED OVER AREAS TO BE PAVED AS SOON AS FINAL	10. INSTALL PERIMETER SEDIMENT AND EROSION CONTROLS PRIOR TO CLEARING OR CONSTRUCTION. ALL CONSTRUCTION SHALL BE CONTAINED WITHIN THE LIMIT OF DISTURBANCE, WHICH SHALL BE MARKED WITH SILT FENCE, SAFETY FENCE, HAY BALES RIBBONS, OR OTHER MEANS PRIOR TO CLEARING. CONSTRUCTION ACTIVITY SHALL REMAIN ON THE UPHILL SIDE OF THE SILT FENCE UNLESS WORK IS SPECIFICALLY CALLED FOR ON THE DOWNHILL SIDE OF THE FENCE.
. BE REQUIRED TO	SUB-GRADES ARE ESTABLISHED AND UNDERGROUND UTILITIES AND STORM DRAINAGE SYSTEMS HAVE BEEN INSTALLED. 4. AFTER CONSTRUCTION OF PAVEMENT, TOPSOIL, FINAL SEED, MULCH AND LANDSCAPING, REMOVE ALL TEMPORARY SEDIMENT AND EROSION CONTROL DEVICES ONLY AFTER ALL AREAS HAVE BEEN PAVED AND/OR GRASS HAS BEEN WELL ESTABLISHED	11. ANY STONE CONSTRUCTION ENTRANCE ANTI-TRACKING PADS SHALL BE INSTALLED AT START OF CONSTRUCTION AND MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION. THE LOCATION OF THE TRACKING PADS MAY CHANGE AS VARIOUS PHASES OF CONSTRUCTION ARE COMPLETED.
AND WETLANDS ANCE OR ADDITIONAL	AND THE SITE IS STABLE AND HAS BEEN INSPECTED AND APPROVED BY THE MUNICIPALITY AND/OR INLAND WETLANDS COMMISSION.	12. TOPSOIL SHALL BE STRIPPED AND STOCKPILED FOR USE IN FINAL LANDSCAPING. ALL EARTH STOCKPILES SHALL HAVE HAY BALES OR SILT FENCE AROUND THE LIMIT OF PILE. PILES SHALL BE TEMPORARILY SEEDED IF PILE IS TO REMAIN IN PLACE FOR MORE THAN ONE (1) MONTH.
	I. SILTATION FENCE A. DIG A SIX INCH TRENCH ON THE UPHILL SIDE OF THE DESIGNATED FENCE LINE LOCATION.	13. ANY SEDIMENT BASINS AND SEDIMENT TRAPS SHALL PROVIDE 134 CUBIC YARDS OF SEDIMENT STORAGE PER ACRE CONTRIBUTING TO THE BASIN. PROVIDE BASIN VOLUMES FOR ALL DISTURBANCE ON SITE.
IRS PRIOR TO	B. POSITION THE POST AT THE BACK OF THE TRENCH (DOWNHILL SIDE), AND HAMMER THE POST AT LEAST 1.5 FEET INTO THE GROUND	14. COMPLY WITH REQUIREMENTS OF CGS SECTION 22A 430B, FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES AND WITH DEEP RECORD KEEPING AND INSPECTION REQUIREMENTS.
OR INLAND WETLANDS ERIMETER SILT FENCE.	C. LAY THE BOTTOM SIX INCHES OF THE FABRIC INTO THE TRENCH TO PREVENT UNDERMINING BY STORM WATER RUN-OFF.	15. ANY STONE CONSTRUCTION ENTRANCE ANTI-TRACKING PADS SHALL BE INSTALLED PRIOR TO ANY ON SITE EXCAVATION
'EXITS AND INSTALL S ON OFF SITE ROADS.	D. BACKFILL THE TRENCH AND COMPACT.	16. MINIMIZE LAND DISTURBANCES. SEED AND MULCH DISTURBED AREAS WITH TEMPORARY MIX AS SOON AS PRACTICABLE
ETER OF PROPOSED D ON THESE PLANS. RED BY THE ENGINEER	II. HAY BALES/STRAW BALES A. BALES SHALL BE PLACED IN A SINGLE ROW, LENGTHWISE, ORIENTED PARALLEL TO THE CONTOUR, WITH ENDS OF ADJACENT BALES TIGHTLY ABUTTING ONE ANOTHER.	(ONE WEEK MAXIMUM UNSTABILIZED PERIOD) USING PERENNIAL RYEGRASS AT 40 LBS PER ACRE. MULCH ALL CUT AND FILI SLOPES AND SWALES WITH LOOSE HAY AT A RATE OF 2 TONS PER ACRE. IF NECESSARY, REPLACE LOOSE HAY ON SLOPES WITH EROSION CONTROL BLANKETS OR JUTE CLOTH. MODERATELY GRADED AREAS, ISLANDS, AND TEMPORARY CONSTRUCTION STAGING AREAS MAY BE HYDROSEEDED WITH TACKIFIER.
ONTROLS AT	B. BALES SHALL BE ENTRENCHED AND BACKFILLED. A TRENCH SHALL BE EXCAVATED THE WIDTH OF A BALE AND THE LENGTH OF THE PROPOSED BARRIER TO A MINIMUM DEPTH OF FOUR INCHES. AFTER THE BALES ARE STAKED, THE EXCAVATED SOIL SHALL BE BACKFILLED AGAINST THE BARRIER.	17. MAINTAIN EXISTING PAVED AREAS FOR CONSTRUCTION STAGING FOR AS LONG AS POSSIBLE.
	C. EACH BALE SHALL BE SECURELY ANCHORED BY AT LEAST TWO (2) STAKES.	18. SILT FENCE AND OTHER SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH CONTRACT DRAWINGS AND MANUFACTURER'S RECOMMENDATIONS PRIOR TO WORK IN ANY UPLAND AREAS.
APS. COMMENCE	D. THE GAPS BETWEEN BALES SHALL BE WEDGED WITH STRAW TO PREVENT WATER LEAKAGE.	19. EXCAVATED MATERIAL FROM TEMPORARY SILT TRAPS MUST BE STOCKPILED ON UPHILL SIDE OF SILT FENCE.
SES AND CONTINUE SITE GRADING.	E. THE BARRIER SHALL BE EXTENDED TO SUCH A LENGTH THAT THE BOTTOMS OF THE END BALES ARE HIGHER IN ELEVATION THAN THE TOP OF THE LOWEST MIDDLE BALE, TO ENSURE THAT RUN—OFF WILL FLOW EITHER THROUGH OR OVER THE BARRIER, BUT NOT AROUND IT.	20. INSTALL SILT FENCE ACCORDING TO MANUFACTURER'S INSTRUCTION, PARTICULARLY, BURY LOWER EDGE OF FABRIC INTO GROUND. SILT FENCE SHALL BE TENCATE ENVIROFENCE, PROPEX GEOTEX OR EQUIVALENT APPROVED BY THE CIVIL ENGINEER. FILTER FABRIC USED SHALL BE TENCATE 140N OR 170N, OR APPROVED EQUIVALENT. SEE SPECIFICATIONS FOR FURTHER INFORMATION.
S.	OPERATION AND MAINTENANCE OF SEDIMENT AND EROSION CONTROL MEASURES L SILTATION FENCE	21. WHERE INDICATED ON SEDIMENT AND EROSION CONTROL PLANS USE NEW HAY/STRAW BALES AND REPLACE THEM
RATED EROSION AND/OR	A. ALL SILTATION FENCES SHALL BE INSPECTED AS A MINIMUM WEEKLY OR AFTER EACH RAINFALL. ALL DETERIORATED FABRIC AND DAMAGED POSTS SHALL BE REPLACED AND PROPERLY REPOSITIONED IN ACCORDANCE WITH THIS PLAN.	BUTT TIGHTLY TOGETHER TO PREVENT UNDERCUTTING AND BYPASSING.
S TO ELIMINATE THE	<ul> <li>B. SEDIMENT DEPOSITS SHALL BE REMOVED FROM BEHIND THE FENCE WHEN THEY REACH A MAXIMUM HEIGHT OF ONE FOOT.</li> <li>II. HAY BALES/STRAW BALES</li> </ul>	22. INSTALL ANY TEMPORARY DIVERSION DITCHES, PLUNGE POOLS, SEDIMENT BASINS, SEDIMENT TRAPS, CONCRETE WASH PITS AND DEWATERING PITS AS SHOWN AND AS NECESSARY DURING VARIOUS PHASES OF CONSTRUCTION TO CONTROL RUNOFF UNTIL UPHILL AREAS ARE DETERMINED TO BE STABILIZED BY THE AUTHORITY HAVING JURISDICTION. LOCATION OF TEMPORARY SEDIMENT BASINS WILL REQUIRE REVIEW AND APPROVAL BY THE CIVIL ENGINEER AND AUTHORITY HAVING URISDICTION.
ALLY AND/OR INLAND ALL ALSO NOTIFY THE ROW AREAS WHEN	A. ALL HAY BALE/STRAW BALE RINGS SHALL BE INSPECTED FOLLOWING EACH RAINFALL. REPAIR OR REPLACEMENT SHALL BE PROMPTLY MADE AS NEEDED. B. DEPOSITS SHALL BE REMOVED AND CLEANED-OUT IF ONE HALF OF THE ORIGINAL HEIGHT OF THE BALES BECOMES FILLED WITH SEDIMENT	23. DIRECT ALL DEWATERING PUMP DISCHARGE TO A SEDIMENT CONTROL DEVICE SUCH AS TEMPORARY PITS, SEDIMENT TRAP, SEDIMENT BASINS OR GRASS FILTERS WITHIN THE APPROVED LIMIT OF DISTURBANCE. DISCHARGE TO STORM DRAINAGE SYSTEM OR SURFACE WATERS FROM SEDIMENT CONTROLS SHALL BE CLEAR.
	III. SEDIMENT BASINS/SEDIMENT TRAPS A. CONTRACTOR TO KEEP WEEKLY CHECKLIST LOGS FOR INSPECTIONS OF ALL SEDIMENT AND EROSION CONTROL DEVICES AND HAVE THEM READILY AVAILABLE ON-SITE AT ALL TIMES FOR INSPECTION BY DEEP, LOCAL AUTHORITIES OR ENGINEER.	24. BLOCK THE OPEN UPSTREAM ENDS OF DETENTION BASIN/SEDIMENTATION BASIN OUTLET CONTROL ORIFICE UNTIL SITE IS STABILIZED. BLOCK END OF STORM SEWERS IN EXPOSED TRENCHES WITH BOARDS AND SANDBAGS AT THE END OF EACH WORKING DAY WHEN RAIN IS EXPECTED.
ALES AND OTHER	B. ALL SEDIMENT BASINS AND/OR SEDIMENT TRAPS SHALL BE INSPECTED FOLLOWING EACH RAINFALL. REPAIR OF SLOPES SHALL BE PROMPTLY MADE AS NEEDED.	25. SWEEP AFFECTED PORTIONS OF OFF SITE ROADS ONE OR MORE TIMES A DAY (OR LESS FREQUENTLY IF TRACKING IS NOT A PROBLEM) DURING CONSTRUCTION. OTHER DUST CONTROL MEASURES TO BE USED AS NECESSARY INCLUDE WATERING DOWN DISTUBBED AREAS, USING CALCUM, CHIORIDE, AND COVERING LOADS, ON DUMP, TRUCKS
T AND EROSION R GREATER. SEDIMENT	C. SEDIMENT DEPOSITS SHALL BE REMOVED FROM SEDIMENT BASINS AND/OR SEDIMENT TRAPS WHEN THEY REACH A MAXIMUM HEIGHT OF ONE FOOT UNLESS OTHERWISE INDICATED ON THE EROSION CONTROL PLANS AND DETAILS TO BE AT A SPECIFIC ELEVATION PER CLEAN OUT MARKERS.	26. PERIODICALLY CHECK ACCUMULATED SEDIMENT LEVELS IN ANY SEDIMENT BASINS AND SEDIMENT TRAPS DURING CONSTRUCTION AND CLEAN ACCUMULATED SILT WHEN NECESSARY OR WHEN ONE FOOT OF SEDIMENT HAS ACCUMULATED OR PER SPECIFIC CLEANOUT MARKER ELEVATION. CLEAN ACCUMULATED SEDIMENT FROM CATCH BASIN SUMPS AS
	D. SEDIMENT SHALL BE DISPOSED OF ON-SITE OR AS DIRECTED BY THE ENGINEER AND LOCAL GOVERNING OFFICIALS. SEE SEDIMENT AND EROSION CONTROL NOTES HEREIN REGARDING DISPOSAL REQUIREMENTS FOR OFF SITE SPOIL DISPOSAL. SEDIMENT AND EROSION CONTROL PLAN	NECESSARY AND AS DIRECTED BY THE CIVIL ENGINEER OR OWNER'S CONSTRUCTION REPRESENTATIVE. REMOVE ACCUMULATED SEDIMENT FROM BEHIND HAY/STRAW BALES AND SILT FENCE WHEN LEVEL REACHES HALF THE HEIGHT OF THE BALE OR ONE FOOT AT SILT FENCE. DISPOSE OF SEDIMENT LEGALLY EITHER ON OR OFF SITE.
	<ol> <li>HAY BALE/STRAW BALE FILTERS WILL BE INSTALLED AT ALL CULVERT OUTLETS IF CULVERT OUTLETS ARE APPLICABLE TO THIS PROJECT AND SILTATION FENCE INSTALLED ALONG THE TOE OF ALL CRITICAL CUT AND FILL SLOPES.</li> <li>CULVERT DISCHARGE AREAS WILL BE PROTECTED WITH RIP RAP CHANNELS. ENERGY DISSIPATORS WILL BE INSTALLED AS</li> </ol>	27. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/O SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO ELIMINATE THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION.
	SHOWN ON THESE PLANS AND AS NECESSARY.	28. ALL PUMPING OF SEDIMENT LADEN WATER SHALL BE THROUGH A SEDIMENT CONTROL BMP, SUCH AS A PUMPED WATER FILTER BAG OR EQUIVALENT SEDIMENT REMOVAL FACILITY, OVER UNDISTURBED VEGETATED AREAS.
	PROTECTION DEVICES PER DETAILS, THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL ALL DISTURBED AREAS ARE THOROUGHLY STABILIZED.	29. ALL EXCAVATED MATERIAL SHALL BE PLACED ON THE HIGH SIDE OF UTILITY AND STORM PIPE TRENCHES SO AS TO ALLOW THE TRENCH TO INTERCEPT ALL SILT LADEN RUNOFF.
EED MIXTURE TO BE REQUIRED OR	4. ALL SEDIMENT AND EROSION CONTROL MEASURES WILL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, LATEST EDITION.	30. CONTRACTOR SHALL ONLY EXCAVATE AS MUCH UTILITY AND STORM PIPE TRENCH WORK AS CAN BE COMPLETED, BACKFILLED AND STABILIZED IN ONE DAY SO AS TO LIMIT THE AMOUNT OF OPEN, DISTURBED TRENCHING.
IZE WITH 10-10-10 AT	5. SEDIMENT AND EROSION CONTROL MEASURES WILL BE INSTALLED PRIOR TO DEMOLITION AND/OR CONSTRUCTION WHENEVER POSSIBLE.	31. ANY STOCKPILES OF STRIPPED MATERIALS ARE TO BE PERIODICALLY SPRAYED WITH WATER OR A CRUSTING AGENT TO STABILIZE POTENTIALLY WIND-BLOWN MATERIAL. HAUL ROADS BOTH INTO AND AROUND THE SITE ARE TO BE SPRAYED AS NEEDED TO SUPPRESS DUST. TRUCKS HAULING IMPORT FILL MATERIAL ARE TO BE TARPED TO AID IN THE CONTROL OF
	PERIOD UNTIL THE SITE IS DETERMINED TO BE STABILIZED BY THE AUTHORITY HAVING JURISDICTION.	CEASED IF DUST CANNOT BE CONTROLLED BY WETTING.
DEBRIS AND SEDIMENT.	7. ADDITIONAL CONTROL MEASURES WILL BE INSTALLED DURING THE CONSTRUCTION PERIOD, IF NECESSARY OR REQUIRED OR AS DIRECTED BY THE CIVIL ENGINEER OR BY THE AUTHORITY HAVING JURISDICTION.	32. AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN IT HAS A MINIMUM OF 70% UNIFORM PERENNIAL VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLIDING OR OTHER
ND EROSION CONTROL	8. SEDIMENT REMOVED FROM EROSION CONTROL STRUCTURES WILL BE DISPOSED IN A MANNER WHICH IS CONSISTENT WITH THE INTENT AND REQUIREMENTS OF THE SEDIMENT AND EROSION CONTROL PLANS, NOTES, AND DETAILS.	MOVEMENTS UNLESS OTHERWISE DETERMINED BY THE AUTHORITY HAVING JURISDICTION.
DIMENTATION BASINS ART OF CLEARING AND	9. THE CONTRACTOR IS ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS SEDIMENT AND EROSION CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, NOTIFICATION OF THE MUNICIPALITY AND/OR INLAND WETLANDS COMMISSION OFFICE OR AUTHORITY HAVING JURISDICTION OF ANY TRANSFER OF THIS RESPONSIBILITY AND FOR CONVEYING A COPY OF THE SEDIMENT AND EROSION CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED.	THROUGHOUT THE CONSTRUCTION PERIOD. UPON COMPLETION OF WORK SWEEP PARKING LOT AND REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROLS WHEN AUTHORIZED BY AUTHORITY HAVING JURISDICTION. FILE NOT (NOTICE OF TERMINATION) WITH AUTHORITY HAVING JURISDICTION RESPONSIBLE FOR REGULATING STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES PER NPDES.
HALL NOT PROCEED AND APPROVED ALL	SEDIMENT AND EROSION CONTROL NOTES 1. THE SEDIMENT AND EROSION CONTROL PLAN IS ONLY INTENDED TO DESCRIBE THE SEDIMENT AND EROSION CONTROL TREATMENT FOR THIS SITE. SEE SEDIMENT AND EROSION CONTROL DETAILS AND CONSTRUCTION SEQUENCE. REFER TO SITE PLAN FOR GENERAL INFORMATION AND OTHER CONTRACT PLANS FOR APPROPRIATE INFORMATION.	
S NOT TO DISTURB	2. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING THIS SEDIMENT AND EROSION CONTROL PLAN. THIS RESPONSIBILITY	
ILIZED WITH TOPSOIL	PARTIES ENGAGED WITH CONSTRUCTION ON THE SITE OF THE REQUIREMENTS AND OBJECTIVES OF THIS PLAN, INFORMING THE AUTHORITY HAVING JURISDICTION OR COUNTY OR INLAND WETLANDS AGENCY OF ANY TRANSFER OF THIS RESPONSIBILITY, AND FOR CONVEYING A COPY OF THE SEDIMENT & EROSION CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED.	
IL SHALL BE STRIPPED	3. AN EROSION CONTROL BOND MAY BE REQUIRED TO BE POSTED WITH THE MUNICIPALITY TO ENSURE IMPLEMENTATION OF THE SEDIMENT AND EROSION CONTROL MEASURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE POSTING OF THIS BOND AND FOR INQUIRIES TO THE MUNICIPALITY FOR INFORMATION ON THE METHOD, TYPE AND AMOUNT OF THE BOND POSTING UNLESS OTHERWISE DIRECTED BY THE OWNER.	
ENCE. D, MAINTAINED AND	4. VISUAL SITE INSPECTIONS SHALL BE CONDUCTED WEEKLY, AND AFTER EACH MEASURABLE PRECIPITATION EVENT OF 0.25 INCHES OR GREATER BY QUALIFIED PERSONNEL, TRAINED AND EXPERIENCED IN SEDIMENT AND EROSION CONTROL, TO ASCERTAIN THAT THE SEDIMENT AND EROSION CONTROL (E&S) BMPS ARE OPERATIONAL AND EFFECTIVE IN PREVENTING POLLUTION. A WRITTEN REPORT OF EACH INSPECTION SHALL BE KEPT, AND INCLUDE: A)A SUMMARY OF THE SITE CONDITIONS, E&S BMPS, AND COMPLIANCE; AND	
E GOOD QUALITY, WITH CKNESSES NOT REPORT. LIFTS SHALL	5. THE CONTRACTOR SHALL CONSTRUCT ALL SEDIMENT AND EROSION CONTROLS IN ACCORDANCE WITH 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, LATEST EDITION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, AND AS DIRECTED BY THE MUNICIPALITY AND/OR INLAND WETLANDS COMMISSION. THE CONTRACTOR SHALL KEEP A COPY	
SPECIFICATIONS OR IN ED OR LOWERED, AS	OF THE GUIDELINES ON-SITE FOR REFERENCE DURING CONSTRUCTION. 6. ADDITIONAL AND/OR ALTERNATIVE SEDIMENT AND EROSION CONTROL MEASURES MAY BE INSTALLED DURING THE CONSTRUCTION PERIOD IF FOUND NECESSARY BY THE CONTRACTOR, OWNER, SITE ENGINEER, MUNICIPALITY AND/OR INLAND WETLANDS COMMISSION OR GOVERNING AGENCIES. THE CONTRACTOR SHALL CONTACT THE OWNER AND APPROPRIATE	
DISCHARGES. AND	GOVERNING AGENCIES FOR APPROVAL IF ALTERNATIVE CONTROLS OTHER THAN THOSE SHOWN ON THE PLANS ARE PROPOSED.	

7. THE CONTRACTOR SHALL INSPECT ALL SEDIMENT AND EROSION CONTROLS BEFORE AND AFTER EACH STORM (0.25 INCHES OR GREATER RAINFALL), OR AT LEAST WEEKLY, TO VERIFY THAT THE CONTROLS ARE OPERATING PROPERLY AND MAKE REPAIRS WHERE NECESSARY.

8. THE CONTRACTOR SHALL KEEP A SUPPLY OF SEDIMENT AND EROSION CONTROL MATERIAL (ANY HAY BALES, SILT FENCE,

ETC.) ON-SITE FOR MAINTENANCE AND EMERGENCY REPAIRS.

Designed Drawn Reviewed Scale Project No. Date CAD File:

EC200203201 SEDIMENT AND EROSION CONTROL NOTES

S.E.L

S.E.L.

NONE

2002032

04/02/2021

Sheet No.

#### FOR PERMITTING PURPOSES ONLY NOT RELEASED FOR CONSTRUCTION

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LANDSCAPE ZONING INFORMATION						
LOCATIO	N: BOLTON, TOLLAND COUNT	Y, CONNECTICUT				
ZONE:	RURAL MIXED USE ZONE (RMU	JZ)				
USE: F	RETAIL (PERMITTED BY SPECIAL	PERMIT)				
ITEM #	ITEM	REQUIREMENTS	PROPOSED	VARIANCE		
1	LANDSCAPE AREA (SEC.11.J)	NO LESS THAN 30% OF AN RMUZ ZONE SHALL BE LANDSCAPED. SIDEWALKS ARE EXCLUDED FROM LANDSCAPE AREA	GREATER THAN 30% LANDSCAPED	NO		
2	LANDSCAPE PARKING (SEC.15.H)	INTERIOR LANDSCAPING SHALL BE PROVIDED AT A RATE OF 20 SF PER PARKING SPACE. LANDSCAPING SHALL BE WITHIN RAISED, CURBED ISLANDS. (20 SF X 33 SPACES = 660 SF)	730 SF PROPOSED	NO		
3	LANDSCAPE PARKING (SEC.15.H)	PARKING AREAS ABUTTING A RESIDENTIAL ZONE SHALL BE SCREENED BY A 10' WIDTH EVERGREEN ROW. PLANTS TO BE 4' HT AND 4' O.C. AT TIME OF PLANTING.	COMPLIES	NO		
4	LANDSCAPE REQUIREMENTS (SEC.16A.3.q.3)	INTERIOR LANDSCAPE AREAS SHALL BE 100 SF MIN AND 8' WIDTH MIN.	COMPLIES	NO		
5	LANDSCAPE REQUIREMENTS (SEC.16A.3.q.3)	INTERIOR AREAS SHALL HAVE 1 TREE PER 20 PARKING SPACES	COMPLIES	NO		
6	LANDSCAPE REQUIREMENTS (SEC.16A.3.q.3)	PARKING PERIMETER LANDSCAPE AREA SHALL BE 5' WIDTH MIN. WITH 1 TREE PER 50 LF	COMPLIES	NO		
7	LANDSCAPE REQUIREMENTS (SEC.16A.3.q.3)	TREES TO BE 3" CAL. AND 10' HT. MIN. AT TIME OF PLANTING	COMPLIES	NO		
8	STREET PLANTINGS (SEC.16A.3.q.4)	LANDSCAPE ADJACENT TO STREET TO BE 30' WDTH WITH 1 TREE PER 40' LOT LINE FRONTAGE (260 LF FRONTAGE ÷ 40 = 6.5 TREES)	5 TREES PROPOSED, 2 TREES TO REMAIN	NO		
9	LANDSCAPE DESIGN (SEC.16A.3.x.3.g.10)	FOR EVERY 5 PARKING SPACES, 1 TREE SHALL BE PROVIDED (33 PARKING SPACES $\div$ 5 = 6.6 TREES)	GREATER THAN 7 TREES PROVIDED	NO		
10	LANDSCAPE DESIGN GUIDELINES (CH.8.1.3)	PLANT MATERIAL TO BE INDIGENOUS TO THE AREA, OR IF NOT NATIVE, THAN HARDY AND NON-INVASIVE	COMPLIES	NO		
11	LANDSCAPE DESIGN GUIDELINES (CH.8.1.20&21)	ALL PLANTINGS SHALL BE GUARANTEED FOR 2 YEARS MINIMUM. A COPY OF THE GUARANTEE CONTRACT SHALL BE SUBMITTED TO THE TOWN.	SEE LANDSCAPE NOTE #4 ON SHEET LL-2	NO		
12	LANDSCAPE DESIGN GUIDELINES (CH.8.1.22)	FLOWERING TREES TO BE 2"-2.5" CAL./DECIDUOUS TREES 3"-3.5" CAL./EVERGREEN TREES TO BE 5'-'7 HT. MIN/DECIDUOUS SHRUBS 24" HT./EVERGREEN SHRUBS 18" HT./PERENNIALS 1 GAL. CONT.	COMPLIES	NO		

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TREES							
KEY	QTY	BOTANICAL NAME	COMMON NAME	ROOT	SIZE AT INSTALL	SIZE AT MATURITY	COMMENTS
AR	3	Acer rubrum 'Franksred'	RED SUNSET RED MAPLE	B&B	3" CAL. MIN.	45' x 35'	7' BRANCH HT. MIN.
AS	3	Acer saccharum	SUGAR MAPLE	B&B	3" CAL. MIN.	45' x 40'	7' BRANCH HT. MIN.
BN	3	Betula nigra 'Cully'	HERITAGE RIVER BIRCH	B&B	10' HT. MIN.	40' x 30'	MULTI-STEM
со	4	Celtis occidentalis 'Prairie Pride'	PRAIRIE PRIDE HACKBERRY	B&B	3" CAL. MIN.	45' x 35'	7' BRANCH HT. MIN.
PG	3	Picea glauca	WHITE SPRUCE	B&B	6' HT. MIN.	50' x 15'	FULL BRANCHING TO GROUND
PS	8	Pinus strobus	EASTERN WHITE PINE	B&B	6' HT. MIN.	60' x 30'	FULL BRANCHING TO GROUND
PA	4	Platanus x acerifolia 'Morton's Circle'	EXCLAMATION! PLANETREE	B&B	3" CAL. MIN.	55' x 35'	7' BRANCH HT. MIN.
QR	3	Quercus rubra	RED OAK	B&B	3" CAL. MIN.	50' × 45'	7' BRANCH HT. MIN.
QP	3	Quercus palustris	PIN OAK	B&B	3" CAL. MIN.	55' x 40'	7' BRANCH HT. MIN.
TG	20	Thuja 'Green Giant'	GREEN GIANT ARBORVITAE	B&B	6' HT. MIN.	50' × 15'	FULL BRANCHING TO GROUND
SHRUB	S						
CS	7	Cornus sericea 'Arctic Fire'	ARCTIC FIRE REDTWIG DOGWOOD	CONT.	24" HT. MIN.	3.5' x 3.5'	PLANT 4' O.C.
IG	17	llex glabra	INKBERRY	CONT.	4' HT. MIN.	7' × 6'	PLANT 4' O.C.
IGC	27	llex glabra 'Compacta'	COMPACT INKBERRY	CONT.	24" HT. MIN.	4' x 5'	PLANT 4' O.C.
MP	7	Myrica pensylvanica	BAYBERRY	CONT.	30" HT. MIN.	8' x 8'	PLANT 5' O.C.
RC	8	Rhododendron 'Cunningham's White'	CUNNINGHAM'S WHITE RHODODENDRON	CONT.	24" HT. MIN.	3' x 4'	PLANT 4' O.C.
RH	6	Rhododendron 'Lavender Princess'	LAVENDER PRINCESS RHODODENDRON	CONT.	24" HT. MIN.	4' × 5'	PLANT 4' O.C.
ORNAN		GRASSES					·
PV	24	Panicum virgatum 'Shenandoah'	SHENANDOAH SWITCHGRASS	CONT.	24" HT. MIN.	4' x 2'	PLANT 30" O.C.
SH	27	Sporobolus heterolepis	PRARIE DROPSEED	CONT.	12" HT. MIN.	2.5' x 2.5'	PLANT 30" O.C.
PEREN	NIALS A	ND GROUNDCOVERS			1		
АМ	15	Aronia melanocarpa 'UCONNAM165'	LOW SCAPE MOUND CHOKEBERRY	CONT.	12" HT. MIN.	2' x 3'	PLANT 30" O.C.
CV	10	Coreopsis verticillata 'Grandiflora'	GRANDIFLORA COREOPSIS	CONT.	8" HT. MIN./ 1 GAL. CONT.	2.5' x 2.5'	PLANT 30" O.C.
RF	16	Rudbeckia fulgida 'Goldstrum'	BLACK-EYED SUSAN	CONT.	8" HT. MIN./ 1 GAL. CONT.	2.5' x 2.5'	PLANT 30" O.C.

![](_page_22_Figure_6.jpeg)

<u>NOTES:</u> 1) ALL SUBSTITUTIONS MUST RECEIVE APPROVAL FROM THE LANDSCAPE ARCHITECT PRIOR TO DELIVERY TO SITE.

PROVIDE AND INSTALL ALL PLANTS SHOWN ON THE PLANTING PLAN DRAWINGS; THE QUANTITIES IN THE PLANT LIST ARE PROVIDED FOR THE CONTRACTOR'S CONVENIENCE ONLY. IF DISCREPANCIES OCCUR, THE LARGER QUANTITY SHALL APPLY.

_CHAIRMAN

21 BL COMPANIES, INC. THESE DRAWINGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIES.

3) IF THERE IS A DISCREPANCY BETWEEN BOTANICAL AND COMMON NAME, BOTANICAL NAME PREVAILS.

## SEE SHEET LL-2 FOR LANDSCAPE NOTES AND DETAILS

BOLTON PLANNING AND ZONING COMMISSION, BOLTON, CT

DATE OF EXPIRATION DATE APPROVED

LANDSCAPE PLANT SCHEDULE

THE STATUTORY FIVE-YEAR PERIOD FOR COMPLETION OF ALL PHYSICAL IMPROVEMENTS EXPIRES ON

## LEGEND

## <u>PATTERN</u>

![](_page_22_Picture_18.jpeg)

DESCRIPTION

SOD (REFER TO SEED MIXES ON SHEET LL-2)

![](_page_23_Figure_0.jpeg)

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THE LANDSCAPE PLAN AND DETAIL SHEET ARE FOR LANDSCAPING INFORMATION ONLY. REFER TO THE OTHER PLANS FOR ALL OTHER

COORDINATE PLANT MATERIAL LOCATIONS WITH SITE UTILITIES. UTILITY LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. EXERCISE CARE WHEN DIGGING IN AREAS OF POTENTIAL CONFLICT WITH UNDERGROUND OR OVERHEAD UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE DUE TO CONTRACTOR'S NEGLIGENCE AND SHALL REPLACE OR REPAIR ANY DAMAGE AT CONTRACTOR'S EXPENSE. PRIOR TO DIGGING AND INSTALLATION OF PLANT MATERIAL, THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" 72 HOURS BEFORE COMMENCEMENT OF WORK AT "(800) 922-4455" AND VERIFY ALL UTILITY SYSTEM LOCATIONS.

THE LOCATIONS FOR PLANT MATERIAL ARE APPROXIMATE AND ARE SUBJECT TO FIELD ADJUSTMENT DUE TO UTILITY LOCATIONS AND SITE CONDITIONS. THE CONTRACTOR SHALL ACCURATELY STAKE OUT THE LOCATIONS FOR ALL PLANTS FOR THE REVIEW, ADJUSTMENT, AND APPROVAL BY OWNER OR LANDSCAPE ARCHITECT PRIOR TO PLANTING.

4. THE CONTRACTOR SHALL GUARANTEE THAT ALL PLANTS SHALL BE HEALTHY AND FREE OF DISEASE FOR A PERIOD OF TWO YEARS AFTER SUBSTANTIAL COMPLETION AND ACCEPTANCE BY OWNER OR LANDSCAPE ARCHITECT. CONTRACTOR SHALL REPLACE ANY DEAD OR UNHEALTHY PLANTS AT CONTRACTOR'S EXPENSE. PLANT MATERIAL REPLACEMENTS SHALL BE GUARANTEED FOR TWO FULL YEARS FROM DATE OF REPLACEMENT. REPLACEMENT PLANTS SHALL BE THE SAME AS SPECIFIED FOR THE ORIGINAL PLANTING. REPLACEMENTS SHALL BE MADE AS MANY TIMES AS NECESSARY TO ENSURE HEALTHY PLANTS. FINAL ACCEPTANCE SHALL BE MADE IF ALL PLANTS MEET THE GUARANTEE REQUIREMENTS INCLUDING MAINTENANCE. MAINTENANCE RESPONSIBILITIES INCLUDE CULTIVATING, SPRAYING, WEEDING, WATERING, TIGHTENING GUYS, PRUNING, FERTILIZING, MULCHING, AND ANY OTHER OPERATIONS NECESSARY TO MAINTAIN PLANT VIABILITY. MAINTENANCE SHALL BEGIN IMMEDIATELY AFTER PLANTING AND CONTINUE UNTIL THE END OF THE GUARANTEE PERIOD. DURING THE LANDSCAPE MAINTENANCE PERIOD (GUARANTEE) THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING OF ANY SITE CONSTRAINTS (PHYSICAL, ENVIRONMENT, ETC.) OR MAINTENANCE DEFICIENCIES THAT MAY AFFECT LANDSCAPE VEGETATION ESTABLISHMENT.

THE CONTRACTOR SHALL SUPPLY ALL LABOR, PLANTS, AND MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE THE WORK SHOWN ON THE DRAWINGS AND LISTED IN THE PLANT SCHEDULE. IN THE EVENT OF A DISCREPANCY BETWEEN QUANTITIES SHOWN IN THE PLANT SCHEDULE AND THOSE REQUIRED BY THE DRAWINGS, THE LARGER SHALL APPLY. ALL PLANTS SHALL BE ACCLIMATED BY THE SUPPLY NURSERY TO THE LOCAL HARDINESS ZONE AND BE CERTIFIED THAT THE PLANTING MATERIAL HAS BEEN GROWN FOR A MINIMUM OF TWO YEARS AT THE SOURCE AND OBTAINED WITHIN 200 MILES OF PROJECT SITE UNLESS OTHERWISE APPROVED BY OWNER OR LANDSCAPE

6. PLANTS SHALL HAVE TAGS THAT IDENTIFY PLANT GENUS, SPECIES, CULTIVAR (IF APPLICABLE), PLANT COMMON NAME, NAME OF SOURCE NURSERY. AND SIZE OF PLANT FOR REVIEW OF OWNER OR LANDSCAPE ARCHITECT.

NO PLANT SHALL BE PLACED IN THE GROUND BEFORE ROUGH GRADING HAS BEEN COMPLETED AND APPROVED BY THE OWNER OR LANDSCAPE ARCHITECT. STAKING THE LOCATION OF ALL TREES AND SHRUBS SHALL BE COMPLETED PRIOR TO PLANTING FOR APPROVAL BY

8. FINAL GRADES SHALL BLEND SMOOTHLY WITH EXISTING GRADES, AND TOP AND BOTTOM OF SLOPES SHALL BE ROUNDED.

9. ALL TREE AND SHRUB MASSINGS SHALL BE MULCHED TO A DEPTH OF 3". ANNUAL AND PERENNIAL BEDS SHALL BE MULCHED TO A DEPTH OF 2". MULCH SHALL BE UNCOLORED TRIPLE-SHREDDED HARDWOOD BARK MULCH. AGED AT LEAST 6 MONTHS.

10. IF TREE STAKING IS PROPOSED, TREE STAKING MUST BE COMPLETED THE SAME DAY AS THE TREE IS INSTALLED. ALL TREES SHALL BE

11. LANDSCAPE PLANTING AREAS MUST BE FREE DRAINING. PAVEMENT, COMPACTED SUBGRADE, DEAD OR DYING PLANT MATERIAL, BLASTED ROCK. STONES GREATER THAN 1" IN DIAMETER. AND ANY OTHER MATERIAL HARMFUL TO PLANT GROWTH AND DEVELOPMENT SHALL BE REMOVED FROM AREAS TO BE LANDSCAPED AS REQUIRED BY PLANTING DETAILS OR SPECIFICATIONS.

DEPTH: PLANTING SOIL SHALL BE INSTALLED AT A MINIMUM DEPTH OF 4" OR AS NOTED IN THE LANDSCAPE DETAILS. PLANTING SOIL SHALL BE UTILIZED IN ALL PLANTING AREAS INCLUDING SEEDED AREAS.

TESTING: CONTRACTOR SHALL SUBMIT (2) SOIL SAMPLES PER SOIL STOCKPILE TO A CERTIFIED TESTING LABORATORY TO DETERMINE ACIDITY. ORGANIC CONTENT, MECHANICAL ANALYSIS, AVAILABLE NUTRIENTS (N,P,K,Ca,Mg,S,Fe,Mn,Zn,Cu,B,AI,Pb) AND NECESSARY AMENDMENTS TO SOIL. THE CONTRACTOR SHALL SUBMIT THE TEST RESULTS TO THE OWNER OR LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL. TEST RESULTS SHALL RECOMMEND AMENDMENTS THAT WILL ALTER THE SOIL CHARACTERISTICS SUCH THAT THE CHARACTERISTICS DESCRIBED BELOW ARE ACHIEVED AND THE SPECIFIED PLANTS (CONTRACTOR TO PROVIDE LIST TO TESTING LABORATORY) WILL ACHIEVE PROPER GROWTH THAT IS NEITHER DEFICIENT NOR EXCESSIVE. THE CONTRACTOR SHALL INCORPORATE THESE AMENDMENTS

CHARACTERISTICS: PLANTING SOIL MAY CONSIST OF EXISTING ON-SITE SOILS, AMENDED ON-SITE SOILS, OR IMPORTED SOILS MEETING THE

A. NOT TO CONTAIN MATERIALS HARMFUL TO PLANT LIFE, TO BE CLEAN, FERTILE, FRIABLE, AND WELL DRAINING. ALL PLANTING SOIL SHALL BE FREE OF ANY SUBSOIL EARTH CLODS, SODS, STONES OVER 1" IN ANY DIMENSION, STICKS, ROOTS, WEEDS, LITTER AND OTHER DELETERIOUS MATERIAL. PLANTING SOIL SHALL BE UNIFORM IN QUALITY AND TEXTURE. B. PLANTING SOIL SHALL HAVE THE FOLLOWING OPTIMUM RANGES UNLESS OTHERWISE APPROVED BY THE OWNER OR LANDSCAPE ARCHITECT.

3% - 6% FOR LAWN OR GRASS AREAS. ORGANIC CONTENT 4% - 8% FOR TREE AND SHRUB PLANTERS.

8%-16% FOR RETENTION OR DETENTION BASINS. (BY LOSS OF IGNITION AT 375 C METHOD OF TESTING)

6.0 - 7.3C. NUTRIENT LEVELS SHALL BE ACHIEVED BY THE CONTRACTOR'S ADDITION OF AMENDMENTS TO THE PLANTING SOIL TO MEET THE OPTIMUM NUTRIENT LEVELS SPECIFIED IN THE TESTING LABORATORY REPORT FOR EACH OF PLANTS TO BE INSTALLED. D. SOIL SHALL BE COMPACTED TO A SURFACE PENETRATION RESISTANCE OF 75-125 LBS/SQ.IN. SOIL MAY BE TREATED FOR WEEDS WITH PRE-EMERGENT OR POST-EMERGENT HERBICIDE, AS NEEDED AND AS APPROPRIATE FOR THE APPLICATION SEASON OR LOCATION, OR ELIMINATE GROWTH OF UNWANTED PLANT MATERIAL. APPLY HERBICIDES IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. HERBICIDE APPLICATOR MUST BE LICENSED IN THE STATE OF CONNECTICUT, AND PERFORM APPLICATIONS IN ACCORDANCE WITH LOCAL REQUIREMENTS, PERMITTING STIPULATIONS, AND ANY OTHER RESTRICTIONS INCLUDING AND IN EXCESS OF STATE AND FEDERAL REGULATIONS. F. PROPOSED TOPSOIL SHALL MEET THE USDA SOILS TEXTURAL PERCENTAGES OF SAND, SILT, AND CLAY FOR FOLLOWING CLASSIFICATIONS:

– SANDY LOAM WHERE SAND DOES NOT EXCEED 70% AND CLAY IS NOT LESS THAN 5%.

– SANDY CLAY LOAM WHERE SAND DOES NOT EXCEED 70% AND CLAY IS LESS THAN 28%. G. BIORETENTION SOILS: SOIL TO BE INSTALLED IN RETENTION BASINS, PONDS, OR OTHER STORMWATER MANAGEMENT ENVIRONS SHALL MEET THE ABOVE DESCRIBED CHARACTERISTICS AND AS FOLLOWS: - SOIL SHALL NOT CONTAIN MORE THAN 20% CLAY AND LESS THAN 40% SILT

- SOIL SHALL HAVE AN INFILTRATION RATE BETWEEN 1/2" AND 3" PER HOUR.

H. MODIFICATION TO THE PLANTING SOIL CHARACTERISTICS DESCRIBED ABOVE MAY BE SUBMITTED FOR APPROVAL BY THE LANDSCAPE ARCHITECT. CONTRACTOR MUST DEMONSTRATE PROPOSED CHARACTERISTICS ARE EQUAL TO OR SUPERIOR TO THE SPECIFIED CHARACTERISTICS WITH RESPECT TO SUPPORTING PLANT GROWTH, AND STORMWATER MANAGEMENT.

APPLY FERTILIZER AND OTHER AMENDMENTS AS RECOMMENDED FOR EACH PLANTING AREA BY SOIL ANALYSIS. APPLY AMENDMENTS IN A MANNER CONSISTENT WITH MANUFACTURER'S RECOMMENDATIONS. ANY ORGANIC AMENDMENTS SHALL HAVE A PH BETWEEN 4.5 AND 5.5

13. PLANT REQUIREMENTS: ALL PLANTS SHALL CONFORM IN SIZE AND GRADE TO THE AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z60.1 (LATEST EDITION). ALL PLANTS SHALL MEET THE ADDITIONAL REQUIREMENTS SET FORTH BELOW AND IN WRITTEN SPECIFICATIONS AS APPLICABLE. ALL TREES AND SHRUBS SHALL HAVE BEEN GROWN AT A COMMERCIAL NURSERY WITHIN 200 MILES OF THE PROJECT SITE UNLESS OTHERWISE APPROVED BY OWNER OR LANDSCAPE ARCHITECT. THEY SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY. THEY SHALL BE HEALTHY, SYMMETRICAL, EVENLY AND DENSELY BRANCHED, AND DENSELY FOLIATED WHEN IN LEAF. THEY SHALL BE FREE OF BARK INJURY, DISEASE, AND INSECT PESTS. ALL TREES SHALL HAVE A STRAIGHT TRUNK WITH A SINGLE MAIN LEADER UNLESS OTHERWISE CHARACTERISTIC OF THE SPECIES OR VARIETY. THE OWNER OR LANDSCAPE ARCHITECT WILL ALLOW SUBSTITUTIONS ONLY UPON WRITTEN APPROVAL. SIZES SHALL CONFORM TO THE MEASUREMENT SPECIFIED ON THE DRAWINGS. PLANTS LARGER THAN SPECIFIED MAY BE USED IF APPROVED, BUT THE USE OF SUCH PLANTS SHALL NOT INCREASE THE CONTRACT PRICE. ALL OVERSTORY TREES PLANTED ALONG PARKING AREAS, SIDEWALKS AND PEDESTRIAN ACCESSES SHALL NOT BRANCH BELOW 7' FEET IF THE TREE CALIPER IS 3" INCHES OR GREATER. ALL PLANT MATERIALS ARE SUBJECT TO INSPECTION AND ACCEPTANCE BY THE OWNER OR LANDSCAPE ARCHITECT AT THE NURSERY SOURCE. THE CONTRACTOR SHALL COORDINATE SOURCE VISITS WITH THE LANDSCAPE ARCHITECT AND SHALL ACCOMPANY THE OWNER AND/OR LANDSCAPE ARCHITECT FOR ALL INSPECTIONS. CERTIFICATES OF COMPLIANCE WITH SPECIFICATIONS ARE REQUIRED FOR ALL PLANTS.

ALL PLANT MATERIAL SHALL BE SUBJECT TO INSPECTION AND ACCEPTANCE BY THE OWNER OR LANDSCAPE ARCHITECT AT THE NURSERY SOURCE OR PLACE OF GROWTH. THE CONTRACTOR SHALL COORDINATE WITH THE LANDSCAPE ARCHITECT ON A SCHEDULE FOR SOURCE VISITS AND ACCOMPANY THE OWNER OR LANDSCAPE ARCHITECT FOR ALL SOURCE INSPECTIONS. CERTIFICATES OF COMPLIANCE ARE

PHOTOGRAPHIC REVIEW OF PLANT MATERIAL IS ACCEPTABLE IF APPROVED BY LANDSCAPE ARCHITECT. PHOTOGRAPHS MUST BE PROVIDED IN QUANTITY AND VARIETY TO ALLOW LANDSCAPE ARCHITECT SUFFICIENT INFORMATION TO MAKE A REASONABLE DETERMINATION AS TO THE PLANTS' QUALITY. OWNER AND LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT PLANT MATERIAL DELIVERED TO THE SITE BUT PREVIOUSLY ACCEPTED IF DAMAGED OR NOT PROPERLY MAINTAINED DURING THE DELIVERY PROCESS.

S AND SHRUBS APRIL 1 TO JUNE 15 SEPTEMBER 1 TO OCTOBER 15	
S AND SHRUBS APRIL 1 TO JUNE 15 SEPTEMBER 1 TO OCTOBER 15	
S AND SHRUBS APRIL 1 TO JUNE 15 SEPTEMBER 15 TO NOVEMBER 15	
APRIL 1 TO JUNE 15 SEPTEMBER 1 TO OCTOBER 15	
MAY 15 TO JUNE 15 SEPTEMBER 1 TO OCTOBER 15	
PER MANUFACTURERS RECOMMENDATIONS OR AS LISTED IN SEED MIX N	OTES

SEEDING MIXTURES: REFER TO SEED MIX NOTES. SEEDED AREA SHALL BE ACCEPTED WHEN SEED AREA ACHIEVES 90% COVERAGE.

16. ALL SLOPES STEEPER THAN 3:1 RECEIVING A SEED MIX SHALL BE COVERED WITH AN EROSION CONTROL BLANKET OF STRAW FIBER AND BIODEGRADABLE OR PHOTODEGRADABLE NETTING.

18. ALL DISTURBED AREAS NOT OTHERWISE DEVELOPED SHALL BE SEEDED WITH THE LAWN SEED MIX.

19. ALL SHADE TREE, BUFFER YARD AND OTHER LANDSCAPING REQUIRED BY LOCAL ORDINANCE OR ZONING SHALL BE PERPETUALLY MAINTAINED BY THE PROPERTY OWNER. ANY LANDSCAPING NEEDED TO MEET AN ORDINANCE OR ZONING REQUIREMENT THAT DIES, IS REMOVED, OR IS SEVERELY DAMAGED SHALL BE REPLACED BY THE CURRENT PROPERTY OWNER AS SOON AS IS PRACTICAL CONSIDERING GROWING SEASONS, WITH A MAXIMUM OF 150 DAYS.

#### FOR PERMITTING PURPOSES ONLY NOT RELEASED FOR CONSTRUCTION

![](_page_23_Picture_37.jpeg)

Project No Date CAD File LL200203201

Title LANDSCAPE NOTES AND DETAILS

04/02/2021

heet No

![](_page_24_Picture_0.jpeg)

![](_page_24_Figure_2.jpeg)

BOLTON PLANNING AND ZONING COMMISSION, BOLTON, CT

DATE APPROVED DATE OF EXPIRATION

_CHAIRMAN THE STATUTORY FIVE-YEAR PERIOD FOR COMPLETION OF ALL PHYSICAL IMPROVEMENTS EXPIRES ON

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![](_page_24_Figure_7.jpeg)

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FOR PERMITTING PURPOSES ONLY NOT RELEASED FOR CONSTRUCTION

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![](_page_25_Figure_0.jpeg)

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![](_page_26_Figure_0.jpeg)

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![](_page_26_Figure_3.jpeg)

#### TYPICAL STORM SEWER TRENCH SECTION

![](_page_26_Figure_5.jpeg)

DETERMINED BY GEOTECHNICAL ENGINEER IN PEAT AND UNSUITABLE SOIL AREAS

BLDD-004

![](_page_26_Figure_7.jpeg)

![](_page_26_Figure_8.jpeg)

N.T.S.

N.T.S.

![](_page_26_Figure_15.jpeg)

![](_page_27_Figure_0.jpeg)

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N.T.S.

BOLTON PLANNING AND ZONING COMMISSION, BOLTON, CT

DATE APPROVED DATE OF EXPIRATION

\_CHAIRMAN

THE STATUTORY FIVE-YEAR PERIOD FOR COMPLETION OF ALL PHYSICAL IMPROVEMENTS EXPIRES ON

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## Y DISSIPATION TRENCH

## TYPICAL BIORETENTION BASIN DETAIL N.T.S.

- 5. REFER TO LANDSCAPING PLAN FOR PLANT AND SEED SCHEDULE FOR BIORETENTION BASIN.
- 4. THE OWNER IS RESPONSIBLE FOR MAINTENANCE OF BIORETENTION BASIN.
- 2. RECHARGE WILL BE PROVIDED BY BIORETENTION BASIN.
- NOTES AND DESIGN REQUIREMENTS

| PONDED DEPTH<br>PER STORM<br>EVENT (FT) |
|-----------------------------------------|
| BIORETENTION<br>BASIN #1                |

|                          | BOTTOM OF<br>CRUSHED STONE<br>(A) | TOP OF CRUSHED<br>STONE/BOTTOM OF<br>PEA GRAVEL (B) | TOP OF PEA<br>GRAVEL/FILTER<br>FABRIC/BOTTOM OF<br>BIORETENTION SOIL<br>MEDIA (C) | TOP OF<br>BIORETENTION SOIL<br>MEDIA (D) | WATER QUALITY<br>VOLUME REQUIRED | WATER QUALITY<br>VOLUME<br>PROVIDED (E) |
|--------------------------|-----------------------------------|-----------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------|----------------------------------|-----------------------------------------|
| BIORETENTION<br>BASIN #1 | 656.00 FT                         | 657.00 FT                                           | 657.25 FT                                                                         | 660.00 FT                                | 3,136 CF                         | 8,309 CF                                |
|                          |                                   |                                                     |                                                                                   |                                          |                                  |                                         |

![](_page_27_Figure_17.jpeg)

![](_page_27_Figure_18.jpeg)

#### FOR PERMITTING PURPOSES ONLY NOT RELEASED FOR CONSTRUCTION

FILTER FABRIC – GEOTEXTILE FABRIC SHALL MEET ASTM D-751 (PUNCTURE STRENGTH -125LB); ASTM D-1117 (MULLEN BURST STRENGTH-400LB); ASTM D-1682 (TENSILE STRENGTH-300 LB).

3. THE BIORETENTION BASIN WAS DESIGNED USING RECOMMENDED INFILTRATION RATE THROUGH THE PLANTING SOIL OF 5 IN/HR.

1. THE IMPOUNDED AREA CREATED ABOVE THE BIORETENTION SOIL MEDIA HAS BEEN SIZED TO HOLD WATER QUALITY VOLUME FROM FIRST 1" RAINFALL.

| •                         |  |          |   |
|---------------------------|--|----------|---|
| 657.25 FT                 |  | 660.00 F | Т |
|                           |  |          | 1 |
| 1" WATER QUALITY<br>STORM |  | 100YR    |   |
| 656.16                    |  | 661.91   |   |

# TYPICAL BIORETENTION BASIN SECTION N.T.S.

![](_page_27_Picture_26.jpeg)

![](_page_27_Picture_27.jpeg)

![](_page_27_Picture_29.jpeg)

![](_page_28_Figure_0.jpeg)

'INGS SHALL NOT BE UTILIZED BY ANY PERSON, FIRM OR CORPORATION WITHOUT THE SPECIFIC WRITTEN PERMISSION OF BL COMPANIE

![](_page_28_Figure_2.jpeg)

![](_page_28_Figure_4.jpeg)

CONSTRUCT SIGN IN ACCORDANCE WITH DOT SPECIFICATIONS.

![](_page_28_Picture_6.jpeg)

![](_page_29_Figure_0.jpeg)

![](_page_30_Figure_0.jpeg)

|                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| Symbol     Qty     Label     Arrangement     Total Lamp Lumens       →     3     HP-S     SINGLE     13632      | 0.950 LEDS-1210-S - Single Pole Mt 150w, Type 4, 5K, Shielded                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Site                                              | Units           Illuminance         Fc     | Avg         Ivitax         Ivititi         Avg/Ivititi         Max/Min           0.24         16.9         0.0         N.A.         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| +         4         HB         SINGLE         19188           Ⅰ         6         G         SINGLE         4740 | U.950         LEDS-AL120 - Wall Mt, 150w, Type 4, 5K           0.950         LEDBG42W001B-5000K - Wall Pack, 42W, Full Cutoff, 5K                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Parking Lot                                       | illuminance Fc                             | 3.75   16.9   0.0   N.A.   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#### Notes:

Plan Notes:

Calculations at Ground Level (10' x 10' Grid Spacing). Refer to luminaire location summary for mounting heights of each fixture. Pole mounted fixtures include a 2ft concrete base. Mounting heights indicated on luminaire location summary is a total A.F.G. height.

#### General Notes:

Due to changing lighting ordinances it is the contractors resposibility to submit the site photometrics & luminaire specs to the local inspector before ordering to ensure this plan complies with local lighting ordinances. This lighting design is based on information supplied by others. Changes in electrical supply, area geometry & objects within the lighted area may produce illumination values different from the predicted results shown on this layout. This layout is based on .IES files that were lab tested or computer generated, actual results may vary.

![](_page_31_Figure_6.jpeg)

| Luminaire Location Summary |       |      |  |
|----------------------------|-------|------|--|
| LumNo                      | Label | Z    |  |
| 1                          | G     | 16.5 |  |
| 2                          | G     | 16.5 |  |
| 3                          | G     | 12   |  |
| 4                          | G     | 12   |  |
| 5                          | G     | 12   |  |
| 6                          | HB    | 16.5 |  |
| 7                          | HB    | 16.5 |  |
| 8                          | G     | 16.5 |  |
| 9                          | HB    | 16.5 |  |
| 10                         | HB    | 16.5 |  |
| 11                         | HP-S  | 17   |  |
| 12                         | HP-S  | 17   |  |
| 13                         | HP-S  | 17   |  |

![](_page_31_Picture_9.jpeg)

![](_page_31_Picture_10.jpeg)

![](_page_31_Picture_11.jpeg)

![](_page_31_Picture_12.jpeg)

![](_page_31_Picture_13.jpeg)

| P               | Drawn Bv: BMF, LC | # Date Comments |            |
|-----------------|-------------------|-----------------|------------|
| age             | Checked By:       | Re              | <b>J</b> L |
| 1 c             | Date:3/29/2021    | vis             |            |
| pf 1            |                   | ion             |            |
| Bolton CT 22222 |                   | IS              | ך<br>כ     |
|                 | Scale:            |                 |            |

![](_page_32_Figure_0.jpeg)

![](_page_32_Figure_1.jpeg)

![](_page_32_Figure_2.jpeg)

![](_page_32_Figure_3.jpeg)

SCALE: 3/16"-1'-0"

Bolton, CT Retail Building Conceptual Scheme

![](_page_32_Figure_6.jpeg)

![](_page_32_Figure_7.jpeg)

| <b></b>                  |                                  |                                |                              |  |  |  |
|--------------------------|----------------------------------|--------------------------------|------------------------------|--|--|--|
| EXTERIOR FINISH SCHEDULE |                                  |                                |                              |  |  |  |
| TAG                      | MATERIAL/ MFG.                   | COLOR/ NO.                     | NOTES                        |  |  |  |
| (X1)                     | HARDIEE-PLANK LAP<br>SIDING      | COLOR: PEARL GRAY              | PRE-FINISHED; 6"<br>EXPOSURE |  |  |  |
| (X2)                     | HARDIEE-PLANK LAP<br>SIDING      | COLOR: NIGHT GRAY              | PRE-FINISHED 6"<br>EXPOSURE  |  |  |  |
| X3                       | VEE BRICK                        | COLOR: TAVERN FLASH            |                              |  |  |  |
| X4)                      | METAL COPING                     | COLOR: WHITE                   | PRE-FINISHED                 |  |  |  |
| X5                       | HARDIE-BOARD TRIM                | COLOR: WHITE TO MATCH X4       | COPING BY GC<br>PRE-FINISHED |  |  |  |
| X6                       | METAL WALL PANEL                 | COLOR: CHARCOAL<br>GRAY O.A.E. | PRE-FINISHED                 |  |  |  |
| X7)                      | SURFACE APPLIED<br>STOREFRONT    | COLOR: DARK<br>BRONZE          | LIGHT GRAY SPANDREL          |  |  |  |
| X7a                      | HARDIE-BOARD TRIM                | COLOR: TO MATCH X1             | PAINTED                      |  |  |  |
| (X8)                     | GUTTER & DOWNSPOUT               | COLOR: DARK BRONZE             | PRE-FINISHED                 |  |  |  |
| (X9)                     | EPDM ROOF                        | COLOR: DARK GRAY               | PRE-FINISHED                 |  |  |  |
| ×10                      | HARDIE-BOARD TRIM                | COLOR: TO MATCH X2             | PAINTED                      |  |  |  |
| X11                      | METAL COPING                     | COLOR: CHARCOAL GRAY           | PRE-FINISHED                 |  |  |  |
| ×12                      | INSULATED SLIDING ENTRY<br>DOORS | COLOR: DARK BRONZE             | PRE-FINISHED                 |  |  |  |
| ×13                      | METAL DOOR & FRAME               | COLOR: TO MATCH X2             | PAINTED                      |  |  |  |
| X14                      | ARCH ASPHALT SHINGLES            | COLOR: PEWTER<br>GREY          | GAF TIMBERLINE               |  |  |  |

![](_page_32_Picture_11.jpeg)

#### Conceptual Elevations 0—

**Boston + Brockton** 142 Crescent Street Brockton, MA 02302 508.583.5603 bkaarchitects.com

SCALE:NOTED 31, March 2021

1 OF 1 DRAWN BY: DSG PROJECT NO: 221003

BKA ARCHITECTS

![](_page_33_Figure_0.jpeg)

| From:        | Andy Platt                                  |
|--------------|---------------------------------------------|
| To:          | <u>Silver, Gary</u>                         |
| Cc:          | Luke DiStefano; Rupert, Jim; Lauren Sagaser |
| Subject:     | RE: 129 Boston Turnpike- BLWPCA Agenda      |
| Date:        | Tuesday, April 20, 2021 3:25:49 PM          |
| Attachments: | image001.png                                |

Gary,

In reference to the BLRWPCA application for the above project we discussed yesterday, the site plan set can be downloaded using this link:

#### Download all files

The expected water usage for the proposed facility is **424 GPD**, based on Table 4 of the Connecticut Health Code "On-site Sewage Disposal Regulations and Technical Standards for Subsurface Sewage Disposal Systems. The calculation of this daily usage is as follows:

- Retail use: 0.1 GPD per SF (3,840 X 0.1) =384 GPD
- Auto Service Station: 5 GPD per car serviced (8 pumps x 5) = 40 GPD

Please let me know if you have any questions or need anything else for the hearing on the 28<sup>th</sup>. Also, can you please forward any virtual meeting invitations or information necessary for us to join on the 28<sup>th</sup>, assuming that the meeting will be held on-line?

Thank you,

#### Andy Platt, P.E.

Project Engineer
352 Turnpike Road
Southborough, MA 01772
508-480-9900 / aplatt@bohlereng.com
www.BohlerEngineering.com

![](_page_34_Picture_11.jpeg)

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![](_page_35_Picture_1.jpeg)

![](_page_35_Figure_2.jpeg)

![](_page_35_Figure_3.jpeg)

# **PROPOSED SITE PLAN DOCUMENTS**

![](_page_35_Picture_5.jpeg)

# PROPOSED **CONVENIENCE STORE AND FUELING STATION**

**LOCATION OF SITE: 129 BOSTON TURNPIKE, TOWN OF BOLTON TOLLAND COUNTY, CONNECTICUT** MAP #7, LOT #74

![](_page_35_Picture_8.jpeg)

SITE MAP SCALE: 1" = 120' SOURCE: GOOGLE AERIAL IMAGERY

![](_page_35_Picture_11.jpeg)

PREPARED BY

| MT                 |                                                                    | SITE CIVIL AND CONSULTING ENGINEERING<br>LAND SURVEYING<br>PROGRAM MANAGEMENT<br>LANDSCAPE ARCHITECTURE<br>SUSTAINABLE DESIGN<br>PERMITTING SERVICES<br>TRANSPORTATION SERVICES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | THE INFORMATION, DESIGN AND CONTENT OF THIS PLAN ARE PROPRIETARY AND SHALL NOT BE COPIED OR USED FOR ANY PURPOSE WITHOUT PRIOR WRITTEN<br>AUTHORIZATION FROM BOHLER. ONLY APPROVED SIGNED AND SEALED PLANS SHALL BE UTILIZED FOR CONSTRUCTION PURPOSES<br>© BOHLER |
|--------------------|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                    | R                                                                  | EVISIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                    |
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|                    | Knor<br>AL<br>It's fast.                                           | w what's <b>below.</b><br>Call before you dig.<br>WAYS CALL 811<br>It's free. It's the law                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                    |
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| PRO                | DOCUMENT                                                           | UNLESS INDICATED OTHERWISE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | /171113<br>CPB                                                                                                                                                                                                                                                     |
| CHE<br>DATE<br>CAD | CKED BY:<br>E:<br>I.D.:                                            | LN<br>04/<br>W171113                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1D/AWP<br>12/2021<br>3-CVL-0                                                                                                                                                                                                                                       |
| PRO                | JECT:                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                    |
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|                    | MA<br>129 B(<br>TOV                                                | AP #7, LOT # 74<br>OSTON TURNPIKE<br>WN OF BOLTON                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                    |
|                    | TOI                                                                | LAND COUNTY<br>ONNECTICUT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                    |
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| -                  | 352 <sup>-</sup><br>SOUTHE                                         | TURNPIKE ROAD<br>BOROUGH, MA 01772                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2                                                                                                                                                                                                                                                                  |
| и                  | Phon<br>ww. <b>Boh</b>                                             | e: (508) 480-9900                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | om                                                                                                                                                                                                                                                                 |
| <b>.</b>           | PROPS<br>MASSER<br>NEW HAN<br>NEW HAN<br>MAIN<br>CONNEC<br>RHODE I | SIONAL®ENGINEER<br>SIONAL®ENGINEER<br>SIONAL®ENGINEER<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENG<br>SIONALENGENGENG<br>SIONALENGENGENGENGENG<br>SIONALENGENGENGENGENGENG<br>SIONALENGENGENGENGENGENGENG<br>SIONALENGENGENGENGENGENGENGENGENGENGENGENGENGE | G                                                                                                                                                                                                                                                                  |
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SHEET NUMBER:

**C-101** 

ORG. DATE - 04/12/2021

#### DRAWING SHEET INDEX

| SHEET TITLE                                    | SHEET<br>NUMBER |
|------------------------------------------------|-----------------|
| COVER SHEET                                    | C-101           |
| GENERAL NOTES SHEET                            | C-102           |
| DEMOLITION PLAN                                | C-201           |
| SITE LAYOUT PLAN                               | C-301           |
| GRADING AND DRAINAGE PLAN                      | C-401           |
| UTILITY PLAN                                   | C-501           |
| SOIL EROSION AND SEDIMENT CONTROL PLAN         | C-601           |
| EROSION AND SEDIMENT CONTROL NOTES AND DETAILS | C-602           |
| LANDSCAPE PLAN                                 | C-701           |
| LANDSCAPE NOTES AND DETAILS                    | C-702           |
| LIGHTING PLAN                                  | C-703           |
| DETAIL SHEET                                   | C-901           |
| DETAIL SHEET                                   | C-902           |
|                                                |                 |
| ALTA SURVEY (BY OTHERS)                        | 1               |

![](_page_35_Picture_15.jpeg)

#### GENERAL NOTES

CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH THE NOTES AND SPECIFICATIONS CONTAINED HEREIN. CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL UBCONTRACTORS FULLY AND COMPLETELY CONFORM TO AND COMPLY WITH THESE REQUIREMENTS.

- THE FOLLOWING DOCUMENTS ARE INCORPORATED BY REFERENCE AS PART OF THIS SITE PLAN
- "BOUNDARY & TOPOGRAPHIC SURVEY" PREPARED BY CONTROL POINT ASSOCIATES, INC., DATED 03/04/2021.

 "GEOTECHNICAL ENGINEERING REPORT" PREPARED BY COSTA CONSULTING ENGINEERS. INC., DATED 08/15/2017 PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR MUST VERIFY THAT HE/SHE HAS THE LATEST EDITION OF THE DOCUMENTS REFERENCED ABOVE. THIS IS CONTRACTOR'S RESPONSIBILITY

- ALL ACCESSIBLE (A/K/A ADA) PARKING SPACES MUST BE CONSTRUCTED TO MEET, AT A MINIMUM, THE MORE STRINGENT OF THE 3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL CONSTRUCTION CONTRACT DOCUMENTS INCLUDING, BUT NOT LIMITED TO, ALL OF THE DRAWINGS AND SPECIFICATIONS "AMERICANS WITH DISABILITIES ACT" (ADA) CODE (42 U.S.C. § 12101 et seq. AND 42 U.S.C. § 4151 et seq.) OR THE REQUIREMENTS OF THE JURISDICTION WHERE THE PROJECT IS TO BE CONSTRUCTED AND ANY AND ALL AMENDMENTS TO BOTH WHICH ARE IN FEFECT WHEN THESE PLANS ARE COMPLETED
- PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED THE COMMENTS TO ALL PLANS AND OTHER DOCUMENTS REVIEWED AND APPROVED BY THE PERMITTING AUTHORITIES AND CONFIRMED THAT ALL NECESSARY OR REQUIRED PERMITS HAVE BEEN OBTAINED. CONTRACTOR MUST HAVE COPIES OF ALL PERMITS AND APPROVALS ON SITE AT ALL TIMES.
- THE OWNER/CONTRACTOR MUST BE FAMILIAR WITH AND RESPONSIBLE FOR THE PROCUREMENT OF ANY AND ALL CERTIFICATIONS REQUIRED FOR THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
- RULES, REGULATIONS, STATUTORY REQUIREMENTS, CODES, LAWS AND STANDARDS OF ALL GOVERNMENTAL ENTITIES WITH JURISDICTION OVER THIS PROJECT. THE GEOTECHNICAL REPORT AND RECOMMENDATIONS SET FORTH HEREIN ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND, IN CASE OF
- CONFLICT, DISCREPANCY OR AMBIGUITY, THE MORE STRINGENT REQUIREMENTS AND/OR RECOMMENDATIONS CONTAINED IN THE PLANS AND THE GEOTECHNICA REPORT AND RECOMMENDATIONS SHALL TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR MUST NOTIFY THE 6 ENGINEER, IN WRITING, OF ANY SUCH CONFLICT, DISCREPANCY OR AMBIGUITY BETWEEN THE GEOTECHNICAL REPORTS AND PLANS AND SPECIFICATIONS PRIOR TO PROCEEDING WITH ANY FURTHER WORK.
- THESE PLANS ARE BASED ON INFORMATION PROVIDED TO BOHLER ENGINEERING BY THE OWNER AND OTHERS PRIOR TO THE TIME OF PLAN PREPARATION. CONTRACTOR MUST FIELD VERIFY EXISTING CONDITIONS AND NOTIFY BOHLER ENGINEERING, IN WRITING, IMMEDIATELY IF ACTUAL SITE CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLAN, OR IF THE PROPOSED WORK CONFLICTS WITH ANY OTHER SITE FEATURES.
- . ALL DIMENSIONS SHOWN ON THE PLANS MUST BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR MUST NOTIFY ENGINEER, IN WRITING, IF ANY CONFLICTS, DISCREPANCIES, OR AMBIGUITIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION. NO EXTRA COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR WORK WHICH HAS TO BE REDONE OR REPAIRED DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE 8. WATER SERVICE MATERIALS, BURIAL DEPTH, AND COVER REQUIREMENTS MUST BE SPECIFIED BY THE LOCAL UTILITY COMPANY. CONTRACTOR'S PRICE FOR WATER SERVICE MATERIALS, BURIAL DEPTH, AND COVER REQUIREMENTS MUST BE SPECIFIED BY THE LOCAL UTILITY COMPANY. CONTRACTOR'S PRICE FOR WATER SERVICE MATERIALS, BURIAL DEPTH, AND COVER REQUIREMENTS MUST BE SPECIFIED BY THE LOCAL UTILITY COMPANY. CONTRACTOR'S PRICE FOR WATER SERVICE MATERIALS, BURIAL DEPTH, AND COVER REQUIREMENTS MUST BE SPECIFIED BY THE LOCAL UTILITY COMPANY. CONTRACTOR'S PRICE FOR WATER SERVICE MATERIALS, BURIAL DEPTH, AND COVER REQUIREMENTS MUST BE SPECIFIED BY THE LOCAL UTILITY COMPANY. CONTRACTOR'S PRICE FOR WATER SERVICE MATERIALS, BURIAL DEPTH, AND COVER REQUIREMENTS MUST BE SPECIFIED BY THE LOCAL UTILITY COMPANY. CONTRACTOR'S PRICE FOR WATER SERVICE MATERIALS, BURIAL DEPTH, AND COVER REQUIREMENTS MUST BE SPECIFIED BY THE LOCAL UTILITY COMPANY. PLANS PRIOR TO CONTRACTOR GIVING ENGINEER WRITTEN NOTIFICATION OF SAME AND ENGINEER, THEREAFTER, PROVIDING CONTRACTOR WITH WRITTEN AUTHORIZATION TO PROCEED WITH SUCH ADDITIONAL WORK
- PRECISE BUILDING DIMENSIONS. AND EXACT BUILDING UTILITY LOCATIONS
- 0 PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR MUST COORDINATE THE BUILDING LAYOUT BY CAREFUL REVIEW OF THE ENTIRE SITE PLAN AND THE 10. LATEST ARCHITECTURAL PLANS (INCLUDING, BUT NOT LIMITED TO, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND FIRE SUPPRESSION PLAN, WHERE APPLICABLE). CONTRACTOR MUST IMMEDIATELY NOTIFY OWNER. ARCHITECT AND SITE ENGINEER. IN WRITING, OF ANY CONFLICTS, DISCREPANCIES OR AMBIGUITIES WHICH EXIST
- 1. DEBRIS MUST NOT BE BURIED ON THE SUBJECT SITE AND ALL UNSUITABLE EXCAVATED MATERIAL AND DEBRIS (SOLID WASTE) MUST BE DISPOSED OF IN ACCORDANCE WITH THE REQUIREMENTS OF ANY AND ALL GOVERNMENTAL AUTHORITIES WHICH HAVE JURISDICTION OVER THIS PROJECT OR OVER CONTRACTOR.
- 2. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING WHEN SHORING IS REQUIRED AND FOR INSTALLING ALL SHORING REQUIRED DURING EXCAVATION (TO BE PERFORMED IN ACCORDANCE WITH CURRENT OSHA STANDARDS) AND ANY ADDITIONAL PRECAUTIONS TO BE TAKEN TO ASSURE THE STABILITY OF ADJACENT, NEARBY AND CONTIGUOUS STRUCTURES AND PROPERTIES.
- 3 THE CONTRACTOR IS TO EXERCISE EXTREME CARE WHEN PERFORMING ANY WORK ACTIVITIES ADJACENT TO PAVEMENT STRUCTURES FTC WHICH ARE TO 11 REMAIN EITHER FOR AN INITIAL PHASE OF THE PROJECT OR AS PART OF THE FINAL CONDITION. CONTRACTOR IS RESPONSIBLE FOR TAKING ALL APPROPRIATE MEASURES REQUIRED TO ENSURE THE STRUCTURAL STABILITY OF SIDEWALKS AND PAVEMENT, UTILITIES, BUILDINGS, AND INFRASTRUCTURE WHICH ARE TO REMAIN, AND TO PROVIDE A SAFE WORK AREA FOR THIRD PARTIES, PEDESTRIANS AND ANYONE INVOLVED WITH THE PROJEC
- 14. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE DONE TO ANY NEW OR EXISTING CONSTRUCTION OR PROPERTY DURING THE COURSE OF 12. THE CONTRACTOR MUST COMPLY, TO THE FULLEST EXTENT, WITH THE LATEST OSHA STANDARDS AND REGULATIONS, AND/OR ANY OTHER AGENCY WITH JURISDICTION FOR EXCAVATION CONSTRUCTION, INCLUDING BUT NOT LIMITED TO DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURB, ETC, AND SHALL BEAR ALL COSTS ASSOCIATED WITH SAME TO INCLUDE, BUT NOT BE LIMITED TO, REDESIGN, RE-SURVEY, RE-PERMITTING AND CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR AND MUST REPLACE ALL SIGNAL INTERCONNECTION CABLE, WIRING CONDUITS, AND ANY UNDERGROUND ACCESSORY EQUIPMENT DAMAGED DURING CONSTRUCTION AND MUST BEAR ALL COSTS ASSOCIATED WITH SAME. THE REPAIR OF ANY SUCH NEW OR EXISTING CONSTRUCTION OR PROPERTY MUST RESTORE SUCH CONSTRUCTION OR PROPERTY TO A CONDITION EQUIVALENT TO OR BETTER THAN THE CONDITIONS PRIOR TO COMMENCEMENT OF THE CONSTRUCTION, AND IN CONFORMANCE WITH 13. APPLICABLE CODES, LAWS RULES, REGULATIONS, STATUTORY REQUIREMENTS AND STATUTES, CONTRACTOR MUST BEAR ALL COSTS ASSOCIATED WITH SAME. CONTRACTOR IS RESPONSIBLE TO DOCUMENT ALL EXISTING DAMAGE AND TO NOTIFY THE OWNER AND THE CONSTRUCTION MANAGER PRIOR TO THE START OF CONSTRUCTION.
- 5. ALL CONCRETE MUST BE AIR ENTRAINED AND HAVE THE MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS UNLESS OTHERWISE NOTED ON THE PLANS, DETAILS AND/OR GEOTECHNICAL REPORT 16. THE ENGINEER IS NOT RESPONSIBLE FOR CONSTRUCTION METHODS. MEANS. TECHNIQUES OR PROCEDURES, GENERALLY OR FOR THE CONSTRUCTION MEANS.
- METHODS, TECHNIQUES OR PROCEDURES FOR COMPLETION OF THE WORK DEPICTED BOTH ON THESE PLANS, AND FOR ANY CONFLICTS/SCOPE REVISIONS WHICH RESULT FROM SAME. CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE METHODS/MEANS FOR COMPLETION OF THE WORK PRIOR TO THE COMMENCEMENT 7. THE ENGINEER OF RECORD IS NOT RESPONSIBLE FOR JOB SITE SAFETY. THE ENGINEER OF RECORD HAS NOT BEEN RETAINED TO PERFORM OR BE RESPONSIBLE
- FOR JOB SITE SAFETY SAME BEING WHOLLY OUTSIDE OF ENGINEER'S SERVICES AS RELATED TO THE PROJECT. THE ENGINEER OF RECORD IS NOT RESPONSIBLE TO IDENTIFY OR REPORT ANY JOB SITE SAFETY ISSUES. AT ANY TIME 18. ALL CONTRACTORS MUST CARRY THE SPECIFIED STATUTORY WORKER'S COMPENSATION INSURANCE, EMPLOYER'S LIABILITY INSURANCE AND LIMITS OF
- COMMERCIAL GENERAL LIABILITY INSURANCE (CGL). ALL CONTRACTORS MUST HAVE THEIR CGL POLICIES ENDORSED TO NAME BOHLER ENGINEERING. AND ITS PAST PRESENT AND FUTURE OWNERS OFFICERS DIRECTORS PARTNERS SHAREHOLDERS MEMBERS PRINCIPALS COMMISSIONERS AGENTS SERVANTS EMPLOYEES, AFFILIATES, SUBSIDIARIES, AND RELATED ENTITIES, AND ITS SUBCONTRACTORS AND SUBCONSULTANTS AS ADDITIONAL NAMED INSURED AND TO PROVIDE CONTRACTUAL LIABILITY COVERAGE SUFFICIENT TO INSURE THIS HOLD HARMLESS AND INDEMNITY OBLIGATIONS ASSUMED BY THE CONTRACTORS. ALL CONTRACTORS MUST FURNISH BOHLER ENGINEERING WITH CERTIFICATIONS OF INSURANCE AS EVIDENCE OF THE REQUIRED INSURANCE PRIOR TO COMMENCING WORK AND UPON RENEWAL OF EACH POLICY DURING THE ENTIRE PERIOD OF CONSTRUCTION AND FOR ONE YEAR AFTER THE COMPLETION OF CONSTRUCTION. IN 18. PROPOSED TOP OF CURB ELEVATIONS ARE GENERALLY 6" ABOVE EXISTING LOCAL ASPHALT GRADE UNLESS OTHERWISE NOTED. FIELD ADJUST TO CREATE A MINIMUM OF 0.75% 16. CONTRACTOR IS RESPONSIBLE TO SAFEGUARD THE SITE AS NECESSARY TO PERFORM THE DEMOLITION IN SUCH A MANNER AS TO PREVENT THE ENTRY OF UNA ADDITION, ALL CONTRACTORS WILL, TO THE FULLEST EXTENT PERMITTED UNDER THE LAW, INDEMNIFY, DEFEND AND HOLD HARMLESS BOHLER ENGINEERING AND GUTTER GRADE ALONG CURB FACE. IT IS CONTRACTOR'S OBLIGATION TO ENSURE THAT DESIGN ENGINEER APPROVES FINAL CURBING CUT SHEETS PRIOR TO INSTALLATION OF SAME. S PAST PRESENT AND FUTURE OWNERS OFFICERS DIRECTORS PARTNERS SHAREHOLDERS MEMBERS PRINCIPALS COMMISSIONERS AGENTS SERVANTS EMPLOYEES, AFFILIATES, SUBSIDIARIES, AND RELATED ENTITIES, AND ITS SUBCONTRACTORS AND SUBCONTRACTORS AND AGAINST ANY DAMAGES, 19. IN THE EVENT OF DISCREPANCIES AND/OR CONFLICTS BETWEEN PLANS OR RELATIVE TO OTHER PLANS, THE SITE PLAN WILL TAKE PRECEDENCE AND CONTROL. CONTRACTOR MUST 17. INJURIES, CLAIMS, ACTIONS, PENALTIES, EXPENSES, PUNITIVE DAMAGES, TORT DAMAGES, STATUTORY CLAIMS, STATUTORY CAUSES OF ACTION, LOSSES, CAUSES OF ACTION, LIABILITIES OR COSTS, INCLUDING, BUT NOT LIMITED TO, REASONABLE ATTORNEYS' FEES AND DEFENSE COSTS, ARISING OUT OF OR IN ANY WAY CONNECTED WITH OR TO THE PROJECT, INCLUDING ALL CLAIMS BY EMPLOYEES OF THE CONTRACTORS, ALL CLAIMS BY THIRD PARTIES AND ALL CLAIMS RELATED 20. CONTRACTOR IS REQUIRED TO SECURE ALL NECESSARY AND/OR REQUIRED PERMITS AND APPROVALS FOR ALL OFF SITE MATERIAL SOURCES AND DISPOSAL FACILITIES. CONTRACTOR 18 TO THE PROJECT. CONTRACTOR MUST NOTIFY ENGINEER. IN WRITING, AT LEAST THIRTY (30) DAYS PRIOR TO ANY TERMINATION. SUSPENSION OR CHANGE OF ITS
- 9. BOHLER ENGINEERING WILL REVIEW OR TAKE OTHER APPROPRIATE ACTION ON THE CONTRACTOR SUBMITTALS, SUCH AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES, AND OTHER DATA, WHICH THE CONTRACTOR IS REQUIRED TO SUBMIT, BUT ONLY FOR THE LIMITED PURPOSE OF CHECKING FOR CONFORMANCE WITH THE DESIGN INTENT AND THE INFORMATION SHOWN IN THE CONSTRUCTION CONTRACT DOCUMENTS. CONSTRUCTION MEANS AND/OR METHODS AND/OR TECHNIQUES OR PROCEDURES COORDINATION OF THE WORK WITH OTHER TRADES AND CONSTRUCTION SAFETY PRECAUTIONS ARE THE SOLE RESPONSIBILITY 22 STORM DRAINAGE PIPE MUST RE REINFORCED CONCRETE PIPE (RCP) CLASS III WITH SUIT TIGHT JOINTS. WHEN HIGH DENSITY OF THE CONTRACTOR AND BOHLER HAS NO RESPONSIBILITY OR LIABILITY FOR SAME HEREUNDER BOHLER ENGINEERING'S SHOP DRAWING REVIEW WILL BE CONDUCTED WITH REASONABLE PROMPTNESS WHILE ALLOWING SUFFICIENT TIME TO PERMIT ADEQUATE REVIEW. REVIEW OF A SPECIFIC ITEM MUST NOT INDICATE THAT BOHLER ENGINEERING HAS REVIEWED THE ENTIRE ASSEMBLY OF WHICH THE ITEM IS A COMPONENT. BOHLER ENGINEERING WILL NOT BE RESPONSIBLE FOR ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS NOT PROMPTLY AND IMMEDIATELY BROUGHT TO ITS ATTENTION, IN WRITING, BY THE 23. UNLESS INDICATED OTHERWISE ON THE DRAWINGS, SANITARY SEWER PIPE SHALL BE AS FOLLOWS: CONTRACTOR. BOHLER ENGINEERING WILL NOT BE REQUIRED TO REVIEW PARTIAL SUBMISSIONS OR THOSE FOR WHICH SUBMISSIONS OF CORRELATED ITEMS HAVE NOT BEEN RECEIVED.
- 20. NEITHER THE PROFESSIONAL ACTIVITIES OF BOHLER ENGINEERING, NOR THE PRESENCE OF BOHLER ENGINEERING AND/OR ITS PAST, PRESENT AND FUTURE OWNERS, OFFICERS, DIRECTORS, PARTNERS, SHAREHOLDERS, MEMBERS, PRINCIPALS, COMMISSIONERS, AGENTS, SERVANTS, EMPLOYEES, AFFILIATES, 25. STORM AND SANITARY SEWER PIPE LENGTHS INDICATED ARE NOMINAL AND MEASURED CENTER OF INLET AND/OR MANHOLES STRUCTURE TO CENTER OF STRUCTURE SUBSIDIARIES, AND RELATED ENTITIES, AND ITS SUBCONTRACTORS AND SUBCONSULTANTS AT A CONSTRUCTION/PROJECT SITE, SHALL RELIEVE THE GENERAL CONTRACTOR OF ITS OBLIGATIONS, DUTIES AND RESPONSIBILITIES INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION MEANS, METHODS, SEQUENCE, TECHNIQUES 26. STORMWATER ROOF DRAIN LOCATIONS ARE BASED ON PRELIMINARY ARCHITECTURAL PLANS, CONTRACTOR IS RESPONSIBLE TO AND FOR VERIFYING LOCATIONS OF SAME BASED ON PRELIMINARY ARCHITECTURAL PLANS, CONTRACTOR IS RESPONSIBLE TO AND FOR VERIFYING LOCATIONS OF SAME BASED ON OR PROCEDURES NECESSARY FOR PERFORMING OVERSEEING SUPERINTENDING AND COORDINATING THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND COMPLIANCE WITH ANY HEALTH OR SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES WITH JURISDICTION OVER THE PROJECT AND/OR PROPERTY. BOHLER ENGINEERING AND ITS PERSONNEL HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION CONTRACTOR OR 27. ITS EMPLOYEES IN CONNECTION WITH THEIR WORK OR ANY HEALTH OR SAFETY PROGRAMS OR PROCEDURES. THE GENERAL CONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SITE SAFETY. BOHLER ENGINEERING SHALL BE INDEMNIFIED BY THE GENERAL CONTRACTOR AND MUST BE NAMED AN ADDITIONAL INSURED UNDER THE GENERAL CONTRACTOR'S POLICIES OF GENERAL LIABILITY INSURANCE AS DESCRIBED ABOVE IN NOTE 19 FOR JOB SITE SAFETY.
- 21. IF THE CONTRACTOR DEVIATES FROM THE PLANS AND SPECIFICATIONS, INCLUDING THE NOTES CONTAINED HEREIN, WITHOUT FIRST OBTAINING THE PRIOR WRITTEN AUTHORIZATION OF THE ENGINEER FOR SUCH DEVIATIONS, THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE PAYMENT OF ALL COSTS INCURRED IN CORRECTING ANY WORK DONE WHICH DEVIATES FROM THE PLANS, ALL FINES AND/OR PENALTIES ASSESSED WITH RESPECT THERETO AND ALL COMPENSATORY OR PUNITIVE DAMAGES RESULTING THEREFROM AND, FURTHER, SHALL DEFEND, INDEMNIFY AND HOLD HARMLESS THE ENGINEER, TO THE FULLEST EXTENT PERMITTED UNDER THE LAW, IN ACCORDANCE WITH PARAGRAPH 19 HEREIN, FOR AND FROM ALL FEES, ATTORNEYS' FEES, DAMAGES, COSTS, JUDGMENTS, PENALTIES AND THE LIKE RELATED TO SAME
- 22. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND PROTECTION OF TRAFFIC PLAN FOR ALL WORK THAT AFFECTS PUBLIC TRAVEL EITHER IN THE R.O.W. OR ON SITE. THE COST FOR THIS ITEM MUST BE INCLUDED IN THE CONTRACTOR'S PRICE.

23. ALL SIGNING AND PAVEMENT STRIPING MUST CONFORM TO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES OR LOCALLY APPROVED SUPPLEMENT

- 24. ENGINEER IS NOT RESPONSIBLE FOR ANY INJURY OR DAMAGES RESULTING FROM CONTRACTOR'S FAILURE TO BUILD OR CONSTRUCT IN STRICT ACCORDANCE WITH THE APPROVED PLANS. IF CONTRACTOR AND/OR OWNER FAIL TO BUILD OR CONSTRUCT IN STRICT ACCORDANCE WITH APPROVED PLANS, THEY AGREE TO JOINTLY AND SEVERALLY INDEMNIFY AND HOLD ENGINEER HARMLESS FOR ALL INJURIES AND DAMAGES THAT ENGINEER SUFFERS AND COSTS THAT ENGINEER 30. LOCATION OF PROPOSED UTILITY POLE RELOCATION IS AT THE SOLE DISCRETION OF UTILITY COMPANY INCURS
- 25. OWNER MUST MAINTAIN AND PRESERVE ALL PHYSICAL SITE FEATURES AND DESIGN FEATURES DEPICTED ON THE PLANS AND RELATED DOCUMENTS, IN STRICT ACCORDANCE WITH THE APPROVED PLAN(S) AND DESIGN AND, FURTHER ENGINEER IS NOT RESPONSIBLE FOR ANY FAILURE TO SO MAINTAIN OR PRESERVE SITE AND/OR DESIGN FEATURES. IF OWNER FAILS TO MAINTAIN AND/OR PRESERVE ALL PHYSICAL SITE FEATURES AND/OR DESIGN FEATURES DEPICTED ON THE PLANS AND RELATED DOCUMENTS, OWNER AGREES TO INDEMNIFY AND HOLD ENGINEER HARMLESS FOR ALL INJURIES AND DAMAGES THAT ENGINEER SUFFERS AND COSTS THAT ENGINEER INCURS AS A RESULT OF SAID FAILURE.
- 26. ALL DIMENSIONS MUST BE TO FACE OF CURB, EDGE OF PAVEMENT, OR EDGE OF BUILDING, UNLESS NOTED OTHERWISE. 27. ALL CONSTRUCTION AND MATERIALS MUST COMPLY WITH AND CONFORM TO APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, LAWS, ORDINANCES, RULES
- AND CODES, AND ALL APPLICABLE OSHA REQUIREMENTS. 28. CONTRACTOR AND OWNER MUST INSTALL ALL ELEMENTS AND COMPONENTS IN STRICT COMPLIANCE WITH AND ACCORDANCE WITH MANUFACTURER'S STANDARDS AND RECOMMENDED INSTALLATION CRITERIA AND SPECIFICATIONS. IF CONTRACTOR AND/OR OWNER FAIL TO DO SO, THEY AGREE TO JOINTLY AND
- SEVERALLY INDEMNIFY AND HOLD ENGINEER HARMLESS FOR ALL INJURIES AND DAMAGES THAT ENGINEER SUFFERS AND COSTS THAT ENGINEER INCURS AS A RESULT OF SAID FAILURE. 29. CONTRACTOR IS RESPONSIBLE TO MAINTAIN ON-SITE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IN COMPLIANCE WITH EPA REQUIREMENTS FOR SITES
- WHERE ONE (1) ACRE OR MORE (UNLESS THE LOCAL JURISDICTION REQUIRES FEWER) IS DISTURBED BY CONSTRUCTION ACTIVITIES. CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL ACTIVITIES. INCLUDING THOSE OF SUBCONTRACTORS. ARE IN COMPLIANCE WITH THE SWPPP. INCLUDING BUT NOT LIMITED TO LOGGING ACTIVITIES (MINIMUM ONCE PER WEEK AND AFTER RAINFALL EVENTS) AND CORRECTIVE MEASURES, AS APPROPRIATE
- 30. AS CONTAINED IN THESE DRAWINGS AND ASSOCIATED APPLICATION DOCUMENTS PREPARED BY THE SIGNATORY PROFESSIONAL ENGINEER. THE USE OF THE WORDS CERTIFY OR CERTIFICATION CONSTITUTES AN EXPRESSION OF "PROFESSIONAL OPINION" REGARDING THE INFORMATION WHICH IS THE SUBJECT OF THE UNDERSIGNED PROFESSIONAL'S KNOWLEDGE OR BELIEF AND IN ACCORDANCE WITH COMMON ACCEPTED PROCEDURE CONSISTENT WITH THE APPLICABLE STANDARDS OF PRACTICE, AND DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE, EITHER EXPRESSED OR IMPLIED.

#### **GENERAL GRADING & UTILITY PLAN NOTES**

- UTILITIES DURING CONSTRUCTION
- CONTRACTOR'S SOLE RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD, IN WRITING, OF SAID CONFLICT AND/OR DISCREPANCY PRIOR TO THE START OF
- TO BE REMOVED. THE CONTRACTOR IS RESPONSIBLE TO PROTECT AND MAINTAIN ALL ACTIVE AND INACTIVE SYSTEMS THAT ARE NOT BEING REMOVED/RELOCATED DURING SITE
- STATUTES, LAWS, ORDINANCES AND CODES.
- MUNICIPALITY TO CONFIRM THE PROPER WATER METER AND VAULT, PRIOR TO COMMENCING CONSTRUCTION.
- ALL APPLICABLE REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES. EARTHWORK ACTIVITIES MUST COMPLY WITH THE STANDARD STATE DOT SPECIFICATIONS FOR ROADWAY CONSTRUCTION (LATEST EDITION) AND ANY AMENDMENTS OR REVISIONS THERETO.
- COMPACTION AND BACKFILL. FURTHER, CONTRACTOR IS FULLY RESPONSIBLE FOR EARTHWORK BALANCE. RELATED FOR OR AS RELATED TO EXCAVATION AND TRENCHING PROCEDURES.
- APPLICABLE STANDARDS, REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES.
- PROVIDE TO THE OWNER AT THE COMPLETION OF WORK

- IMMEDIATELY NOTIFY THE DESIGN ENGINEER, IN WRITING, OF ANY DISCREPANCIES AND/OR CONFLICTS
- MUST SUPPLY A COPY OF APPROVALS TO ENGINEER AND OWNER PRIOR TO INITIATING ANY WORK

- FOR PIPES LESS THAN 12 FT. DEEP: POLYVINYL CHLORIDE (PVC) SDR 35 PER ASTM D3034 FOR PIPES MORE THAN 12 FT. DEEP: POLYVINYL CHLORIDE (PVC) SDR 26 PER ASTM D3034
- FINAL ARCHITECTURAL PLANS
- TRENCHES WITH THE SEWER AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER MAIN, OR SUCH OTHER SEPARATION AS APPROVED BY THE GOVERNMENT AGENCY WITH JURISDICTION OVER SAME
- MUST BE PROVIDED.
- AWWA STANDARDS IN EFFECT AT THE TIME OF APPLICATION. WITH THE AGENCY WITH JURISDICTION OVER SAME.
- SUBSTANCES, OR POLLUTANTS ON, ABOUT OR UNDER THE PROPERTY

INSURANCE HEREUNDER.

ANY CONSTRUCTION OR EXCAVATION. SANITARY SEWER AND ALL OTHER UTILITY SERVICE CONNECTION POINTS MUST BE INDEPENDENTLY CONFIRMED BY THE CONTRACTOR IN THE FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ALL DISCREPANCIES MUST IMMEDIATELY BE REPORTED. IN WRITING, TO THE ENGINEER. CONSTRUCTION MUST COMMENCE • "BOUNDARY & TOPOGRAPHIC SURVEY" PREPARED BY CONTROL POINT ASSOCIATES, INC., DATED 03/04/2021 BEGINNING AT THE LOWEST INVERT (POINT OF CONNECTION) AND PROGRESS UP GRADIENT. PROPOSED INTERFACE POINTS (CROSSINGS) WITH EXISTING UNDERGROUND UTILITIES HALL BE FIELD VERIFIED BY TEST PIT PRIOR TO COMMENCEMENT OF CONSTRUCTION. CONTRACTOR MUST VERTICALLY AND HORIZONTALLY LOCATE ALL UTILITIES AND SERVICES INCLUDING, BUT NOT LIMITED TO, GAS, WATER, ELECTRIC, SANITARY AND STORM SEWER, TELEPHONE, CABLE, FIBER OPTIC CABLE, ETC. WITHIN THE LIMITS OF DISTURBANCE OR WORK SPACE, WHICHEVER IS GREATER. THE CONTRACTOR MUST USE, REFER TO, AND COMPLY 3 WITH THE REQUIREMENTS OF THE APPLICABLE UTILITY NOTIFICATION SYSTEM TO LOCATE ALL THE UNDERGROUND UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL DAMAGE TO ANY EXISTING UTILITIES DURING CONSTRUCTION, AT NO COST TO THE OWNER. CONTRACTOR SHALL BEAR ALL COSTS ASSOCIATED WITH DAMAGE TO ANY EXISTING ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE INITIATION AND COMMENCEMENT OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT AND/OR DISCREPANCY 5. BETWEEN THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR THE RELATIVE OR APPLICABLE CODES. REGULATIONS, LAWS, RULES, STATUTES AND/OR ORDINANCES, IT IS THE

CONSTRUCTION. CONTRACTOR'S FAILURE TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE CONTRACTOR'S FULL AND COMPLETE ACCEPTANCE OF ALL RESPONSIBILITY TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS AND IN FULL COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS, LAWS, STATUTES, ORDINANCES AND CODES AND, FURTHER, CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH SAME. 4. THE CONTRACTOR MUST LOCATE AND CLEARLY AND UNAMBIGUOUSLY DEFINE VERTICALLY AND HORIZONTALLY ALL ACTIVE AND INACTIVE UTILITY AND/OR SERVICE SYSTEMS THAT ARE

ALL WORK MUST BE PERFORMED IN ACCORDANCE WITH THESE PLANS. SPECIFICATIONS AND CONDITIONS OF APPROVAL, AND ALL APPLICABLE REQUIREMENTS. 5. THE CONTRACTOR MUST FAMILIARIZE ITSELF WITH THE APPLICABLE UTILITY SERVICE PROVIDER REQUIREMENTS AND IS RESPONSIBLE FOR ALL COORDINATION REGARDING UTILITY. DEMOLITION AS IDENTIFIED OR REQUIRED FOR THE PROJECT. THE CONTRACTOR MUST PROVIDE THE OWNER WITH WRITTEN NOTIFICATION THAT THE EXISTING UTILITIES AND SERVICES HAVE BEEN TERMINATED AND ABANDONED IN ACCORDANCE WITH THE JURISDICTION AND UTILITY COMPANY REQUIREMENTS AND ALL OTHER APPLICABLE REQUIREMENTS. RULES.

THE CONTRACTOR MUST INSTALL ALL STORM SEWER AND SANITARY SEWER COMPONENTS WHICH FUNCTION BY GRAVITY PRIOR TO THE INSTALLATION OF ALL OTHER UTILITIES.

CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF SITE PLAN DOCUMENTS AND ARCHITECTURAL DESIGN FOR EXACT BUILDING UTILITY CONNECTION LOCATIONS. GREASE TRAF REQUIREMENTS/DETAILS, DOOR ACCESS, AND EXTERIOR GRADING. THE ARCHITECT WILL DETERMINE THE UTILITY SERVICE SIZES. THE CONTRACTOR MUST COORDINATE INSTALLATION OF UTILITIES/SERVICES WITH THE INDIVIDUAL COMPANIES, TO AVOID CONFLICTS AND TO ENSURE THAT PROPER DEPTHS ARE ACHIEVED. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT INSTALLATION OF ALL IMPROVEMENTS COMPLIES WITH ALL UTILITY REQUIREMENTS WITH JURISDICTION AND/OR CONTROL OF THE SITE, AND ALL OTHER APPLICABLE REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES AND, FURTHER, IS RESPONSIBLE FOR COORDINATING THE UTILITY TIE-INS/CONNECTIONS PRIOR TO CONNECTING TO THE EXISTING UTILITY/SERVICE. WHERE A CONFLICT(S) EXISTS BETWEEN THESE SITE PLANS AND THE ARCHITECTURAL PLANS. OR WHERE ARCHITECTURAL PLAN UTILITY CONNECTION POINTS DIFFER, THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER, IN WRITING, AND PRIOR TO CONSTRUCTION, RESOLVE SAME

INCLUDE ALL FEES, COSTS AND APPURTENANCES REQUIRED BY THE UTILITY TO PROVIDE FULL AND COMPLETE WORKING SERVICE. CONTRACTOR MUST CONTACT THE APPLICABLE

CONTRACTOR MUST REFER TO THE ARCHITECTURAL/BUILDING PLANS "OF RECORD" FOR EXACT LOCATIONS AND DIMENSIONS OF ENTRY/EXIT POINTS, ELEVATIONS, 9, ALL NEW UTILITIES/SERVICES, INCLUDING ELECTRIC, TELEPHONE, CABLE TV, ETC, ARE TO BE INSTALLED UNDERGROUND, ALL NEW UTILITIES/SERVICES MUST BE INSTALLED IN ACCORDANCE WITH THE UTILITY/SERVICE PROVIDER INSTALLATION SPECIFICATIONS AND STANDARDS

> SITE GRADING MUST BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT REFERENCED. IN THIS PLAN SET. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING AND REPLACING UNSUITABLE MATERIALS WITH SUITABLE MATERIALS AS SPECIFIED IN THE GEOTECHNICAL REPORT. ALL EXCAVATED OR FILLED AREAS MUST BE COMPACTED AS OUTLINED IN THE GEOTECHNICAL REPORT. MOISTURE CONTENT AT TIME OF PLACEMENT MUST BE SUBMITTED IN A COMPACTION REPORT PREPARED BY A QUALIFIED GEOTECHNICAL ENGINEER, REGISTERED WITH THE STATE WHERE THE WORK IS PERFORMED, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN THE BUILDING PAD AREA AND AREAS TO BE PAVED HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT AND ALL APPLICABLE REQUIREMENTS, RULES, STATUTES, LAWS, ORDINANCES AND CODES. SUBBASE MATERIAL FOR SIDEWALKS, CURB, OR ASPHALT MUST BE FREE OF ORGANICS AND OTHER UNSUITABLE MATERIALS. SHOULD SUBBASE BE DEEMED UNSUITABLE BY OWNER/DEVELOPER, OR OWNER/DEVELOPER'S REPRESENTATIVE. SUBBASE IS TO BE REMOVED AND FILLED WITH APPROVED FILL MATERIAL COMPACTED AS DIRECTED BY THE GEOTECHNICAL REPORT. EARTHWORK ACTIVITIES INCLUDING. BUT NOT LIMITED TO, EXCAVATION, BACKFILL, AND COMPACTING MUST COMPLY WITH THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT AND

ALL FILL, COMPACTION, AND BACKFILL MATERIALS REQUIRED FOR UTILITY INSTALLATION MUST BE AS PER THE RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT AND MUST 9. BE COORDINATED WITH THE APPLICABLE UTILITY COMPANY SPECIFICATIONS. WHEN THE PROJECT DOES NOT HAVE GEOTECHNICAL RECOMMENDATIONS. FILL AND COMPACTION MUST. AT A MINIMUM. COMPLY WITH THE STATE DOT REQUIREMENTS AND SPECIFICATIONS AND CONSULTANT SHALL HAVE NO LIABILITY OR RESPONSIBILITY FOR OR AS RELATED TO FILL.

AND TRENCHING PROCEDURES. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE "MEANS AND METHODS" REQUIRED TO MEET THE INTENT AND PERFORMANCE CRITERIA OF OSHA, AS WELL AS ANY OTHER ENTITY THAT HAS JURISDICTION FOR EXCAVATION AND/OR TRENCHING PROCEDURES AND CONSULTANT SHALL HAVE NO RESPONSIBILITY FOR OR AS

PAVEMENT MUST BE SAW CUT IN STRAIGHT LINES, AND EXCEPT FOR EDGE OF BUTT JOINTS, MUST EXTEND TO THE FULL DEPTH OF THE EXISTING PAVEMENT. ALL DEBRIS FROM REMOVAL OPERATIONS MUST BE REMOVED FROM THE SITE AT THE TIME OF EXCAVATION. STOCKPILING OF DEBRIS WILL NOT BE PERMITTED

14. THE TOPS OF EXISTING MANHOLES, INLET STRUCTURES, AND SANITARY CLEANOUT TOPS MUST BE ADJUSTED, AS NECESSARY, TO MATCH PROPOSED GRADES IN ACCORDANCE WITH ALL

15. DURING THE INSTALLATION OF SANITARY SEWER, STORM SEWER, AND ALL UTILITIES, THE CONTRACTOR MUST MAINTAIN A CONTEMPORANEOUS AND THOROUGH RECORD OF CONSTRUCTION TO IDENTIFY THE AS-INSTALLED LOCATIONS OF ALL UNDERGROUND INFRASTRUCTURE. THE CONTRACTOR MUST CAREFULLY NOTE ANY INSTALLATIONS THAT DEVIATE FROM THE INFORMATION CONTAINED IN THE UTILITY PLAN. THIS RECORD MUST BE KEPT ON A CLEAN COPY OF THE DRAINAGE OR UTILITY PLAN, WHICH CONTRACTOR MUST PROMPTLY

WHEN THE SITE IMPROVEMENT PLANS INVOLVE MULTIPLE BUILDINGS, SOME OF WHICH MAY BE BUILT AT A LATER DATE, THE CONTRACTOR MUST EXTEND ALL LINES, INCLUDING BUT NOT LIMITED TO STORM SEWER, SANITARY SEWER, UTILITIES, AND IRRIGATION LINE, TO A POINT AT LEAST FIVE (5) FEET BEYOND THE PAVED AREAS FOR WHICH THE CONTRACTOR IS RESPONSIBLE. CONTRACTOR MUST CAP ENDS AS APPROPRIATE, MARK LOCATIONS WITH A 2X4, AND MUST NOTE THE LOCATION OF ALL OF THE ABOVE ON A CLEAN COPY OF THE DRAINAGE OR UTILITY PLAN, WHICH CONTRACTOR MUST PROMPTLY PROVIDE TO THE OWNER UPON COMPLETION OF THE WORK.

THE CONTRACTOR IS FULLY RESPONSIBLE FOR VERIFICATION OF EXISTING TOPOGRAPHIC INFORMATION AND UTILITY INVERT ELEVATIONS PRIOR TO COMMENCING ANY CONSTRUCTION CONTRACTOR MUST CONFIRM AND ENSURE 0.75% MINIMUM SLOPE AGAINST ALL ISLANDS, GUTTERS, AND CURBS; 1.0% ON ALL CONCRETE SURFACES; AND 1.5% MINIMUM ON ASPHALT (EXCEPT WHERE ADA REQUIREMENTS OR EXISTING TOPOGRAPHY LIMIT GRADES), TO PREVENT PONDING. CONTRACTOR MUST IMMEDIATELY IDENTIFY, IN WRITING TO THE ENGINEER ANY DISCREPANCIES THAT MAY OR COULD AFFECT THE PUBLIC SAFETY. HEALTH OR GENERAL WELFARE, OR PROJECT COST, JE CONTRACTOR PROCEEDS WITH CONSTRUCTION WITHOUT PROVIDING PROPER NOTIFICATION. MUST BE AT THE CONTRACTOR'S OWN RISK AND, FURTHER, CONTRACTOR SHALL INDEMNIFY, DEFEND AND HOLD HARMLESS THE DESIGN ENGINEER FOR ANY DAMAGES, COSTS, INJURIES, ATTORNEY'S FEES AND THE LIKE WHICH RESULT FROM SAME

WHERE RETAINING WALLS (WHETHER OR NOT THEY MEET THE JURISDICTIONAL DEFINITION) ARE IDENTIFIED ON PLANS, ELEVATIONS IDENTIFIED ARE FOR THE EXPOSED PORTION OF THE WALL. WALL FOOTINGS/FOUNDATION ELEVATIONS ARE NOT IDENTIFIED HEREIN AND ARE TO BE SET/DETERMINED BY THE CONTRACTOR BASED ON FINAL STRUCTURAL DESIGN SHOP DRAWINGS PREPARED BY THE APPROPRIATE PROFESSIONAL LICENSED IN THE STATE WHERE THE CONSTRUCTION OCCURS

POLYETHYLENE PIPE (HDPE) IS CALLED FOR ON THE PLANS. IT MUST CONFORM TO AASHTO M294 AND TYPE S (SMOOTH INTERIOR WITH ANGULAR CORRUGATIONS) WITH GASKET FOR SILT TIGHT JOINT. PVC PIPE FOR ROOF DRAIN CONNECTION MUST BE SDR 26 OR SCHEDULE 40 UNLESS INDICATED OTHERWISE.

FOR PIPE WITHIN 10 FT. OF BUILDING, PIPE MATERIAL SHALL COMPLY WITH APPLICABLE BUILDING AND PLUMBING CODES. CONTRACTOR TO VERIFY WITH LOCAL OFFICIALS.

SEWERS CROSSING STREAMS AND/OR LOCATION WITHIN 10 FEET OF THE STREAM EMBANKMENT, OR WHERE SITE CONDITIONS SO INDICATE, MUST BE CONSTRUCTED OF STEEL REINFORCED CONCRETE, DUCTILE IRON OR OTHER SUITABLE MATERIAL. SEWERS CONVEYING SANITARY FLOW COMBINED SANITARY AND STORMWATER FLOW OR INDUSTRIAL FLOW MUST BE SEPARATED FROM WATER MAINS BY A DISTANCE OF AT LEAST 10 FEET HORIZONTALLY. IF SUCH LATERAL SEPARATION IS NOT POSSIBLE. THE PIPES MUST BE IN SEPARATE

WHERE APPROPRIATE SEPARATION FROM A WATER MAIN IS NOT POSSIBLE, THE SEWER MUST BE ENCASED IN CONCRETE, OR CONSTRUCTED OF DUCTILE IRON PIPE USING MECHANICAL OR SLIP-ON JOINTS FOR A DISTANCE OF AT LEAST 10 FEET ON EITHER SIDE OF THE CROSSING. IN ADDITION, ONE FULL LENGTH OF SEWER PIPE SHOULD BE LOCATED ADDA INSTRUCTIONS TO CONTRACTOR: SO BOTH JOINTS WILL BE AS FAR FROM THE WATER LINE AS POSSIBLE. WHERE A WATER MAIN CROSSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT FOR THE SEWER

28. WATER MAIN PIPING MUST BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE LOCAL WATER PURVEYOR. IN THE ABSENCE OF SUCH REQUIREMENTS, WATER MAIN PIPING MUST BE CEMENT-LINED DUCTILE IRON (DIP) MINIMUM CLASS 52 THICKNESS. ALL PIPE AND APPURTENANCES MUST COMPLY WITH THE APPLICABLE

29. CONTRACTOR MUST ENSURE THAT ALL UTILITY TRENCHES LOCATED IN EXISTING PAVED ROADWAYS INCLUDING SEWER, WATER AND STORM SYSTEMS, MUST BE REPAIRED IN ACCORDANCE WITH REFERENCED MUNICIPAL, COUNTY AND/OR DOT DETAILS AS APPLICABLE. CONTRACTOR MUST COORDINATE INSPECTION AND APPROVAL OF COMPLETED WORK

31. CONSULTANT IS NEITHER LIABLE NOR RESPONSIBLE FOR ANY SUBSURFACE CONDITIONS AND FURTHER, SHALL HAVE NO LIABILITY FOR ANY HAZARDOUS MATERIALS, HAZARDOUS

#### **GENERAL DEMOLITION NOTES**

1. LOCATIONS OF ALL EXISTING AND PROPOSED SERVICES ARE APPROXIMATE AND MUST BE INDEPENDENTLY CONFIRMED WITH LOCAL UTILITY COMPANIES PRIOR TO COMMENCEMENT OF 1. THIS PLAN REFERENCES DOCUMENTS AND INFORMATION BY

- CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970, (29 U.S.C. 651 et MENDED AND ANY MODIFICATIONS, AMENDMENTS OR REVISIONS TO SAME
- BOHLER ENGINEERING HAS NO CONTRACTUAL, LEGAL, OR OTHER RESPONSIBILITY FOR JOB SITE SAFETY OR JOB SITE SUPERVISION OR ANYTHING RELATED TO THE DEMOLITION PLAN IS INTENDED TO PROVIDE GENERAL INFORMATION, ONLY, REGARDING ITEMS TO BE DEMOLISHED AND/OR REMOVED. THE CONTRACTOR M REVIEW THE OTHER SITE PLAN DRAWINGS AND INCLUDE IN DEMOLITION ACTIVITIES ALL INCIDENTAL WORK NECESSARY FOR THE CONSTRUCTION OF THE NEW S

- A.OBTAINING ALL REQUIRED PERMITS AND MAINTAINING THE SAME ON SITE FOR REVIEW BY THE ENGINEER AND OTHER PUBLIC AGENCIES WITH JURISDICTION TH THE DURATION OF THE PROJECT, SITE WORK, AND DEMOLITION WORK.
- B.NOTIFYING, AT A MINIMUM, THE MUNICIPAL ENGINEER, DESIGN ENGINEER, AND LOCAL SOIL CONSERVATION DISTRICT, 72 HOURS PRIOR TO THE START OF WORK.
- C.INSTALLING THE REQUIRED SOIL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO SITE DISTURBANCE
- D.IN ACCORDANCE WITH STATE LAW, THE CONTRACTOR MUST CALL THE STATE ONE-CALL DAMAGE PROTECTION SYSTEM FOR UTILITY MARKOUT, IN ADVAN
- E.LOCATING AND PROTECTING ALL UTILITIES AND SERVICES, INCLUDING BUT NOT LIMITED TO GAS, WATER, ELECTRIC, SANITARY AND STORM SEWER, TELEPHO FIBER OPTIC CABLE, ETC. WITHIN AND ADJACENT TO THE LIMITS OF PROJECT ACTIVITIES. THE CONTRACTOR MUST USE AND COMPLY WITH THE REQUIREMENT APPLICABLE UTILITY NOTIFICATION SYSTEM TO LOCATE ALL THE UNDERGROUND UTILITIES.
- F. PROTECTING AND MAINTAINING IN OPERATION, ALL ACTIVE UTILITIES AND SYSTEMS THAT ARE NOT BEING REMOVED DURING ALL DEMOLITION ACTIVITIES. ARRANGING FOR AND COORDINATING WITH THE APPLICABLE UTILITY SERVICE PROVIDER(S) FOR THE TEMPORARY OR PERMANENT TERMINATION OF SERVICE RE THE PROJECT PLANS AND SPECIFICATIONS. THE CONTRACTOR MUST PROVIDE THE UTILITY ENGINEER AND OWNER WRITTEN NOTIFICATION THAT THE EXISTIN AND SERVICES HAVE BEEN TERMINATED AND ABANDONED IN ACCORDANCE WITH JURISDICTIONAL AND UTILITY COMPANY REQUIREMENTS.
- H.COORDINATION WITH UTILITY COMPANIES REGARDING WORKING "OFF-PEAK" HOURS OR ON WEEKENDS AS MAY BE REQUIRED TO MINIMIZE THE IMPACT ON THE RTIES. WORK REQUIRED TO BE DONE "OFF-PEAK" IS TO BE DONE AT NO ADDITIONAL COST TO THE OWNER.
- I. IN THE EVENT THE CONTRACTOR DISCOVERS ANY HAZARDOUS MATERIAL. THE REMOVAL OF WHICH IS NOT ADDRESSED IN THE PROJECT PLANS AND SPECIFIC/ CONTRACTOR MUST IMMEDIATELY CEASE ALL WORK AND IMMEDIATELY NOTIFY THE OWNER AND ENGINEER OF THE DISCOVERY OF SUCH MATERIALS. THE FIRM OR ENGINEER OF RECORD IS NOT RESPONSIBLE FOR JOB SITE SAFETY OR SUPERVISION. CONTRACTOR MUST PROCEED WITH THE DEMOLITION IN A S
- AND SAFE MANNER, FOLLOWING ALL THE OSHA REQUIREMENTS, TO ENSURE PUBLIC AND CONTRACTOR SAFETY. THE CONTRACTOR MUST PROVIDE ALL "MEANS AND METHODS" NECESSARY TO PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF EXISTING STRUCTURE
- OTHER IMPROVEMENTS THAT ARE REMAINING ON OR OFF SITE. THE CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS OF DAMAGE TO ALL ITEMS THAT ARE CONTRACTOR MUST USE NEW MATERIAL FOR ALL REPAIRS. CONTRACTOR'S REPAIR MUST INCLUDE THE RESTORATION OF ANY ITEMS REPAIRED TO THE PRE-CONDITION, OR BETTER. CONTRACTOR SHALL PERFORM ALL REPAIRS AT THE CONTRACTOR'S SOLE EXPENSE

- CONTRACTOR MUST BACKFILL ALL EXCAVATION RESULTING FROM, OR INCIDENTAL TO, DEMOLITION ACTIVITIES. BACKFILL MUST BE ACCOMPLISHED WITH BACKFILL MATERIALS, AND MUST BE SUFFICIENTLY COMPACTED TO SUPPORT NEW IMPROVEMENTS AND PERFORMED IN COMPLIANCE WITH THE RECOMMENDA GUIDANCE IN THE GEOTECHNICAL REPORT. BACKFILLING MUST OCCUR IMMEDIATELY AFTER DEMOLITION ACTIVITIES, AND MUST BE DONE SO AS TO PREV ENTERING THE EXCAVATION. FINISHED SURFACES MUST BE GRADED TO PROMOTE POSITIVE DRAINAGE.
- EXPLOSIVES MUST NOT BE USED WITHOUT PRIOR WRITTEN CONSENT OF BOTH THE OWNER AND ALL APPLICABLE GOVERNMENTAL AUTHORITIES. ALL THE PERMITS AND EXPLOSIVE CONTROL MEASURES THAT ARE REQUIRED BY THE FEDERAL, STATE, AND LOCAL GOVERNMENTS MUST BE IN PLACE PRIOR TO CO STARTING AN EXPLOSIVE PROGRAM AND/OR ANY DEMOLITION. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ALL INSPECTION AND SEISMIC VIBRATION TEST REQUIRED TO MONITOR THE EFFECTS ON ALL LOCAL STRUCTURES.
- CONTRACTOR MUST PROVIDE TRAFFIC CONTROL AND GENERALLY ACCEPTED SAFE PRACTICES IN CONFORMANCE WITH THE CURRENT FHWA "MANUAL C TRAFFIC CONTROL DEVICES" (MUTCD). AND THE FEDERAL. STATE. AND LOCAL REGULATIONS WHEN DEMOLITION RELATED ACTIVITIES IMPACT ROADWAYS AND/O RIGHT-OF-WAY
- 13. CONTRACTOR MUST CONDUCT DEMOLITION ACTIVITIES IN SUCH A MANNER TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, SIDEWALKS, WALK OTHER ADJACENT FACILITIES. STREET CLOSURE PERMITS MUST BE RECEIVED FROM THE APPROPRIATE GOVERNMENTAL AUTHORITY PRIOR TO THE COMMEN ANY ROAD OPENING OR DEMOLITION ACTIVITIES IN OR ADJACENT TO THE RIGHT-OF-WAY
- DEMOLITION ACTIVITIES AND EQUIPMENT MUST NOT USE AREAS OUTSIDE THE DEFINED PROJECT LIMIT LINE, WITHOUT WRITTEN PERMISSION OF THE OWNER OVERNMENTAL AGENCIES WITH JURISDICTION.

- PERSONS AT ANY TIME.
- CONTRACTOR IS RESPONSIBLE FOR SITE JOB SAFETY, WHICH MUST INCLUDE, BUT NOT BE LIMITED TO, THE INSTALLATION AND MAINTENANCE OF BARRIERS, F OTHER APPROPRIATE SAFETY ITEMS NECESSARY TO PROTECT THE PUBLIC FROM AREAS OF CONSTRUCTION AND CONSTRUCTION ACTIVITY.
- THIS DEMOLITION PLAN IS INTENDED TO IDENTIFY THOSE EXISTING ITEMS/CONDITIONS WHICH ARE TO BE REMOVED. IT IS NOT INTENDED TO PROVIDE DIRECTION MEANS, METHODS, SEQUENCING, TECHNIQUES AND PROCEDURES TO BE USED TO ACCOMPLISH THAT WORK. ALL MEANS, METHODS, SEQUENCING, TECHNIQUES AND PROCEDURES TO BE USED TO ACCOMPLISH THAT WORK. PROCEDURES TO BE USED MUST BE IN STRICT ACCORDANCE WITH ALL STATE, FEDERAL, LOCAL, AND JURISDICTIONAL REQUIREMENTS. THE CONTRACTOR MU WITH ALL OSHA AND OTHER SAFETY PRECAUTIONS NECESSARY TO PROVIDE A SAFE WORK SITE.
- DEBRIS MUST NOT BE BURIED ON THE SUBJECT SITE ALL DEMOLITION WASTES AND DEBRIS (SOLID WASTE) MUST BE DISPOSED OF IN ACCORDANCE WITH ALL 19. COUNTY, STATE, AND FEDERAL LAWS AND APPLICABLE CODES. THE CONTRACTOR MUST MAINTAIN RECORDS TO DEMONSTRATE PROPER DISPOSAL ACTIVI PROMPTLY PROVIDED TO THE OWNER UPON REQUEST
- 20. CONTRACTOR MUST MAINTAIN A RECORD SET OF PLANS UPON WHICH IS INDICATED THE LOCATION OF EXISTING UTILITIES THAT ARE CAPPED, ABANDONED IN RELOCATED DUE TO DEMOLITION ACTIVITIES. THIS RECORD DOCUMENT MUST BE PREPARED IN A NEAT AND WORKMAN-LIKE MANNER, AND TURNED OV OWNER/DEVELOPER UPON COMPLETION OF THE WORK

- PARKING SPACES AND PARKING AISLES SLOPE SHALL NOT EXCEED 1:50 (1/4" PER FOOT OR NOMINALLY 2.0%) IN ANY DIRECTION.
- CURB RAMPS SLOPE MUST NOT EXCEED 1:12 (8.3%) FOR A MAXIMUM OF SIX (6) FEET. • LANDINGS - MUST BE PROVIDED AT EACH END OF RAMPS, MUST PROVIDE POSITIVE DRAINAGE, AND MUST NOT EXCEED 1:50 (1/4" PER FOOT OR NOMINALLY 2.0%
- PATH OF TRAVEL ALONG ACCESSIBLE ROUTE MUST PROVIDE A 36-INCH OR GREATER UNOBSTRUCTED WIDTH OF TRAVEL (CAR OVERHANGS AND/OR HANDRAILS REDUCE THIS MINIMUM WIDTH). THE SLOPE MUST BE NO GREATER THAN 1:20 (5.0%) IN THE DIRECTION OF TRAVEL, AND MUST NOT EXCEED 1:50 (1/4" PER NOMINALLY 2.0%) IN CROSS SLOPE. WHERE PATH OF TRAVEL WILL BE GREATER THAN 1:20 (5.0%), ADA RAMP MUST BE ADHERED TO. A MAXIMUM SLOPE OF 1:12 (8.3
- A MAXIMUM RISE OF 2.5 FEET, MUST BE PROVIDED. THE RAMP MUST HAVE ADA HAND RAILS AND "LEVEL" LANDINGS ON EACH END THAT ARE CROSS SLOPED I THAN 1:50 IN ANY DIRECTION (1/4" PER FOOT OR NOMINALLY 2.0%) FOR POSITIVE DRAINAGE. DOORWAYS - MUST HAVE A "LEVEL" LANDING AREA ON THE EXTERIOR SIDE OF THE DOOR THAT IS SLOPED AWAY FROM THE DOOR NO MORE THAN 1:50 (1/4" PER
- NOMINALLY 2.0%) FOR POSITIVE DRAINAGE. THIS LANDING AREA MUST BE NO LESS THAN 60 INCHES (5 FEET) LONG. EXCEPT WHERE OTHERWISE PERMITTEE STANDARDS FOR ALTERNATIVE DOORWAY OPENING CONDITIONS. (SEE ICC/ANSI A117.1-2003 AND OTHER REFERENCED INCORPORATED BY CODE.) • WHEN THE PROPOSED CONSTRUCTION INVOLVES RECONSTRUCTION, MODIFICATION, REVISION OR EXTENSION OF OR TO ADA COMPONENTS FROM EXISTING DC OR SURFACES CONTRACTOR MUST VERIFY EXISTING FLEVATIONS SHOWN ON THE PLAN. NOTE THAT TABLE 405.2 OF THE DEPARTMENT OF JUSTICE'S ADA ST FOR ACCESSIBLE DESIGN ALLOWS FOR STEEPER RAMP SLOPES. IN RARE CIRCUMSTANCES. THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE DESIGN ENGINEE DISCREPANCIES AND/OR FIELD CONDITIONS THAT DIFFER IN ANY WAY OR ANY RESPECT FROM WHAT IS SHOWN ON THE PLANS, IN WRITING, BEFORE COMMENCEI
- REQUIREMENTS. • THE CONTRACTOR MUST VERIEV THE SLOPES OF CONTRACTOR'S FORMS PRIOR TO POURING CONCRETE. JE ANY NON-CONFORMANCE IS OBSERVED OF CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER PRIOR TO POURING CONCRETE. CONTRACTOR IS RESPONSIBLE FOR ALL COSTS TO REMOVE, REF REPLACE NON-CONFORMING CONCRETE

IT IS STRONGLY RECOMMENDED THAT THE CONTRACTOR REVIEW THE INTENDED CONSTRUCTION WITH THE LOCAL BUILDING CODE PRIOR TO COMMENCEMENT OF CONSTRUCTION.

| ENERAL DEMOLITION NOTES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |            | TYPICAL                                 | . ABBREV                    | IATIONS                       | M                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| THIS PLAN REFERENCES DOCUMENTS AND INFORMATION BY:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | KEY        | DESCRIPTIO                              | ON KEY                      | DESCRIPTION                   |                                  | <u></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | BC         | BOTTOM CURB                             | PROP.                       | PROPOSED                      |                                  | ERIN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| AMENDED AND ANY MODIFICATIONS, AMENDMENTS OR REVISIONS TO SAME.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | тс         | TOP CURB                                | TBR/R                       | TO BE REMOVED<br>AND REPLACED |                                  | GINE<br>URE<br>ICES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| BOHLER ENGINEERING HAS NO CONTRACTUAL, LEGAL, OR OTHER RESPONSIBILITY FOR JOB SITE SAFETY OR JOB SITE SUPERVISION, OR ANYTHING RELATED TO SAME.<br>THE DEMOLITION PLAN IS INTENDED TO PROVIDE GENERAL INFORMATION, ONLY, REGARDING ITEMS TO BE DEMOLISHED AND/OR REMOVED. THE CONTRACTOR MUST ALSO                                                                                                                                                                                                                                                                                                                                                                                                   | BOC        | BACK OF CURB                            | TBR                         | TO BE REMOVED                 |                                  | AG EN<br>ING<br>SEME<br>SEME<br>ESIGI<br>SERVICE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| IMPROVEMENTS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | BW         | BOTTOM OF WALL GI                       | RADE TPF                    |                               | -11 🗾                            | ULTIN<br>RVEY<br>RVEY<br>ANAC<br>RCHI<br>RCHI<br>ICHI<br>S SEF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| CONTRACTOR MUST RAISE ANY QUESTIONS CONCERNING THE ACCURACY OR INTENT OF THESE PLANS OR SPECIFICATIONS, CONCERNS REGARDING THE APPLICABLE<br>SAFETY STANDARDS, OR THE SAFETY OF THE CONTRACTOR OR THIRD PARTIES IN PERFORMING THE WORK ON THIS PROJECT, WITH BOHLER ENGINEERING, IN WRITING, AND<br>RESPONDED TO BY BOHLER, IN WRITING, PRIOR TO THE INITIATION OF ANY SITE ACTIVITY AND ANY DEMOLITION ACTIVITY. ALL DEMOLITION ACTIVITIES MUST BE PERFORMED                                                                                                                                                                                                                                        | EXIST.     | EXISTING                                | SF                          | SQUARE FEET                   |                                  | ONSI<br>D SU<br>AM M.<br>AM M.<br>IPE A<br>UNAB<br>ITINC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| IN ACCORDANCE WITH THE REQUIREMENTS OF THESE PLANS AND SPECIFICATIONS AND ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, RULES, REQUIREMENTS, STATUTES, ORDINANCES AND CODES.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | BM.        | BENCHMARK                               | SMH                         | SEWER MANHOLE                 |                                  | ND C<br>LAN<br>DGR/<br>DSCA<br>SSCA<br>SSCA<br>SSCA<br>SSCA<br>SSCA<br>SSCA<br>SSCA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| PRIOR TO STARTING ANY DEMOLITION, CONTRACTOR IS RESPONSIBLE FOR/TO:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | EOP        | EDGE OF PAVEME                          | NT DMH                      | DRAIN MANHOLE                 |                                  | VIL A<br>PRC<br>SI<br>SI<br>TRAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| THE DURATION OF THE PROJECT, SITE WORK, AND DEMOLITION WORK.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ዊ          | CENTERLINE                              | STM.                        | STORM                         |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| INSTALLING THE REQUIRED SOIL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO SITE DISTURBANCE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | FF         | FINISHED FLOOF                          | R SAN.                      | SANITARY                      |                                  | SI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| IN ACCORDANCE WITH STATE LAW, THE CONTRACTOR MUST CALL THE STATE ONE-CALL DAMAGE PROTECTION SYSTEM FOR UTILITY MARKOUT, IN ADVANCE OF ANY EXCAVATION.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | V.I.F.     |                                         | CONC.                       |                               |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| LOCATING AND PROTECTING ALL UTILITIES AND SERVICES, INCLUDING BUT NOT LIMITED TO GAS, WATER, ELECTRIC, SANITARY AND STORM SEWER, TELEPHONE, CABLE,<br>FIBER OPTIC CABLE, ETC. WITHIN AND ADJACENT TO THE LIMITS OF PROJECT ACTIVITIES. THE CONTRACTOR MUST USE AND COMPLY WITH THE REQUIREMENTS OF THE                                                                                                                                                                                                                                                                                                                                                                                               | HP         | HIGH POINT                              | DEP.                        | DEPRESSED                     | ╢┕┻┛                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| APPLICABLE UTILITY NOTIFICATION SYSTEM TO LOCATE ALL THE UNDERGROUND UTILITIES.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | LP         | LOW POINT                               | R                           | RADIUS                        |                                  | EVISIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| ARRANGING FOR AND COORDINATING WITH THE APPLICABLE UTILITY SERVICE PROVIDER(S) FOR THE TEMPORARY OR PERMANENT TERMINATION OF SERVICE REQUIRED BY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | TYP.       | TYPICAL                                 | MIN.                        | MINIMUM                       |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| THE PROJECT PLANS AND SPECIFICATIONS. THE CONTRACTOR MUST PROVIDE THE UTILITY ENGINEER AND OWNER WRITTEN NOTIFICATION THAT THE EXISTING UTILITIES AND SERVICES HAVE BEEN TERMINATED AND ABANDONED IN ACCORDANCE WITH JURISDICTIONAL AND UTILITY COMPANY REQUIREMENTS.                                                                                                                                                                                                                                                                                                                                                                                                                                | INT.       | INTERSECTION                            | MAX.                        | MAXIMUM                       |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| COORDINATION WITH UTILITY COMPANIES REGARDING WORKING "OFF-PEAK" HOURS OR ON WEEKENDS AS MAY BE REQUIRED TO MINIMIZE THE IMPACT ON THE AFFECTED PARTIES. WORK REQUIRED TO BE DONE "OFF-PEAK" IS TO BE DONE AT NO ADDITIONAL COST TO THE OWNER.                                                                                                                                                                                                                                                                                                                                                                                                                                                       | PC.        |                                         | JRE No. /#                  | NUMBER                        |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| IN THE EVENT THE CONTRACTOR DISCOVERS ANY HAZARDOUS MATERIAL, THE REMOVAL OF WHICH IS NOT ADDRESSED IN THE PROJECT PLANS AND SPECIFICATIONS, THE CONTRACTOR MUST IMMEDIATELY CEASE ALL WORK AND IMMEDIATELY NOTIFY THE OWNER AND ENGINEER OF THE DISCOVERY OF SUCH MATERIALS.                                                                                                                                                                                                                                                                                                                                                                                                                        | P1.<br>    | POINT OF TANGEN<br>POINT OF INTERSEC    | TION DEC.                   | DECORATIVE                    |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| THE FIRM OR ENGINEER OF RECORD IS NOT RESPONSIBLE FOR JOB SITE SAFETY OR SUPERVISION. CONTRACTOR MUST PROCEED WITH THE DEMOLITION IN A SYSTEMATIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | PVI.       | POINT OF VERTICA                        | AL ELEV.                    | ELEVATION                     |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| THE CONTRACTOR MUST PROVIDE ALL "MEANS AND METHODS" NECESSARY TO PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF EXISTING STRUCTURES, AND ANY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | STA.       | STATION                                 | UNG.                        | UNDERGROUND                   | -                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| OTHER IMPROVEMENTS THAT ARE REMAINING ON OR OFF SITE. THE CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS OF DAMAGE TO ALL ITEMS THAT ARE TO REMAIN.<br>CONTRACTOR MUST USE NEW MATERIAL FOR ALL REPAIRS. CONTRACTOR'S REPAIR MUST INCLUDE THE RESTORATION OF ANY ITEMS REPAIRED TO THE PRE-DEMOLITION<br>CONDITION, OR BETTER. CONTRACTOR SHALL PERFORM ALL REPAIRS AT THE CONTRACTOR'S SOLE EXPENSE.                                                                                                                                                                                                                                                                                                     | GRT        | GRATE                                   | R.O.W.                      | RIGHT OF WAY                  |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| THE CONTRACTOR MUST NOT PERFORM ANY EARTH MOVEMENT ACTIVITIES, DEMOLITION OR REMOVAL OF FOUNDATION WALLS, FOOTINGS, OR OTHER MATERIALS WITHIN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | INV.       | INVERT                                  | LF                          | LINEAR FOOT                   |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| THE LIMITS OF DISTURBANCE UNLESS SAME IS IN STRICT ACCORDANCE AND CONFORMANCE WITH THE PROJECT PLANS AND SPECIFICATIONS, AND/OR UNDER THE WRITTEN<br>DIRECTION OF THE OWNER'S STRUCTURAL OR GEOTECHNICAL ENGINEER.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DIP        |                                         |                             |                               |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| CONTRACTOR MUST BACKFILL ALL EXCAVATION RESULTING FROM, OR INCIDENTAL TO, DEMOLITION ACTIVITIES. BACKFILL MUST BE ACCOMPLISHED WITH APPROVED<br>BACKFILL MATERIALS, AND MUST BE SUFFICIENTLY COMPACTED TO SUPPORT NEW IMPROVEMENTS AND PERFORMED IN COMPLIANCE WITH THE RECOMMENDATIONS AND<br>GUIDANCE IN THE GEOTECHNICAL REPORT. BACKEILLING MUST OCCUR IMMEDIATELY AFTER DEMOLITION ACTIVITIES, AND MUST BE DONE SO AS TO PREVENT WATER                                                                                                                                                                                                                                                          | HDPE       |                                         | THYLENE L.S.A.              | LANDSCAPED AREA               |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| ENTERING THE EXCAVATION. FINISHED SURFACES MUST BE GRADED TO PROMOTE POSITIVE DRAINAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | RCP        | REINFORCED CONC<br>PIPE                 | RETE ±                      | PLUS OR MINUS                 |                                  | <b>811</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| EXPLOSIVES MUST NOT BE USED WITHOUT PRIOR WRITTEN CONSENT OF BOTH THE OWNER AND ALL APPLICABLE GOVERNMENTAL AUTHORITIES. ALL THE REQUIRED<br>PERMITS AND EXPLOSIVE CONTROL MEASURES THAT ARE REQUIRED BY THE FEDERAL, STATE, AND LOCAL GOVERNMENTS MUST BE IN PLACE PRIOR TO CONTRACTOR<br>STARTING AN EXPLOSIVE PROGRAM AND/OR ANY DEMOLITION. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ALL INSPECTION AND SEISMIC VIBRATION TESTING THAT IS                                                                                                                                                                                                                                                          | S          | SLOPE                                   | 0                           | DEGREE                        |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| REQUIRED TO MONITOR THE EFFECTS ON ALL LOCAL STRUCTURES.<br>CONTRACTOR MUST PROVIDE TRAFFIC CONTROL AND GENERALLY ACCEPTED SAFE PRACTICES IN CONFORMANCE WITH THE CURRENT FHWA "MANUAL ON UNIFORM<br>TRAFFIC CONTROL DEVICES" (MUTCD), AND THE FEDERAL, STATE, AND LOCAL REGULATIONS WHEN DEMOLITION RELATED ACTIVITIES IMPACT ROADWAYS AND/OR ROADWAY                                                                                                                                                                                                                                                                                                                                               | ME         | MEET EXISTING                           | G Ø / DIA.                  | DIAMETER                      |                                  | w what's <b>below.<br/>Call before you dig.</b><br>WAYS CALL 811                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| CONTRACTOR MUST CONDUCT DEMOLITION ACTIVITIES IN SUCH A MANNER TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, SIDEWALKS, WALKWAYS, AND<br>OTHER ADJACENT FACILITIES. STREET CLOSURE PERMITS MUST BE RECEIVED FROM THE APPROPRIATE GOVERNMENTAL AUTHORITY PRIOR TO THE COMMENCEMENT OF<br>ANY ROAD OPENING OR DEMOLITION ACTIVITIES IN OR ADJACENT TO THE RIGHT-OF-WAY.                                                                                                                                                                                                                                                                                                                          |            | ТҮР                                     | ICAL LEG                    | END                           | It's fast.                       | It's free. It's the law.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| DEMOLITION ACTIVITIES AND EQUIPMENT MUST NOT USE AREAS OUTSIDE THE DEFINED PROJECT LIMIT LINE, WITHOUT WRITTEN PERMISSION OF THE OWNER AND ALL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |            | EXISTING                                |                             | PROPOSED                      |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| THE CONTRACTOR MUST USE DUST CONTROL MEASURES TO LIMIT AIRBORNE DUST AND DIRT RISING AND SCATTERING IN THE AIR IN ACCORDANCE WITH FEDERAL, STATE,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |            |                                         | PROPERTY LINE               |                               |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| AND/OR LOCAL STANDARDS. AFTER THE DEMOLITION IS COMPLETE, CONTRACTOR MUST CLEAN ALL ADJACENT STRUCTURES AND IMPROVEMENTS TO REMOVE ALL DUST<br>AND DEBRIS CAUSED BY THE DEMOLITION OPERATIONS. THE CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL ADJACENT AREAS TO THEIR "PRE-DEMOLITION"<br>CONDITION.                                                                                                                                                                                                                                                                                                                                                                                                |            |                                         | EASEMENT                    |                               | REVIEW AND APPROVAL     DOCUMENT | L. IT IS NOT INTENDED AS A CONSTRU<br>UNLESS INDICATED OTHERWISE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| CONTRACTOR IS RESPONSIBLE TO SAFEGUARD THE SITE AS NECESSARY TO PERFORM THE DEMOLITION IN SUCH A MANNER AS TO PREVENT THE ENTRY OF UNAUTHORIZED PERSONS AT ANY TIME.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            | <br>                                    | CURB                        |                               | PROJECT No.:<br>DRAWN BY:        | W17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| CONTRACTOR IS RESPONSIBLE FOR SITE JOB SAFETY, WHICH MUST INCLUDE, BUT NOT BE LIMITED TO, THE INSTALLATION AND MAINTENANCE OF BARRIERS, FENCING AND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |            | S                                       | SEWER MANHOLE               | ©                             | DATE:                            | /UMD/<br>04/12/<br>W171113-C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| THIS DEMOLITION PLAN IS INTENDED TO IDENTIFY THOSE EXISTING ITEMS/CONDITIONS WHICH ARE TO BE REMOVED. IT IS NOT INTENDED TO PROVIDE DIRECTION AS TO THE MEANS, METHODS, SEQUENCING, TECHNIQUES AND PROCEDURES TO BE USED TO ACCOMPLISH THAT WORK. ALL MEANS, METHODS, SEQUENCING, TECHNIQUES AND PROCEDURES TO BE USED MUST BE IN STRICT ACCORDANCE WITH ALL STATE, FEDERAL, LOCAL, AND JURISDICTIONAL REQUIREMENTS. THE CONTRACTOR MUST COMPLY                                                                                                                                                                                                                                                      |            |                                         | CATCH BASIN                 |                               | PROJECT:                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| WITH ALL OSHA AND OTHER SAFETY PRECAUTIONS NECESSARY TO PROVIDE A SAFE WORK SITE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |            |                                         | WETLAND LINE                |                               |                                  | POSED SITE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| COUNTY, STATE, AND FEDERAL LAWS AND APPLICABLE CODES. THE CONTRACTOR MUST MAINTAIN RECORDS TO DEMONSTRATE PROPER DISPOSAL ACTIVITIES, TO BE<br>PROMPTLY PROVIDED TO THE OWNER UPON REQUEST.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            | × 54.83<br>× TC 54.58                   | SPOT ELEVATION              | <u>53.52</u><br>TC=54.32      |                                  | DOCUMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| CONTRACTOR MUST MAINTAIN A RECORD SET OF PLANS UPON WHICH IS INDICATED THE LOCATION OF EXISTING UTILITIES THAT ARE CAPPED, ABANDONED IN PLACE, OR<br>RELOCATED DUE TO DEMOLITION ACTIVITIES. THIS RECORD DOCUMENT MUST BE PREPARED IN A NEAT AND WORKMAN-LIKE MANNER, AND TURNED OVER TO THE                                                                                                                                                                                                                                                                                                                                                                                                         |            | G 53.78                                 | CURB                        | BC=53.82                      | ╢───                             | FOR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| OWNER/DEVELOPER UPON COMPLETION OF THE WORK.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |            | _ 55                                    | FLOW ARROW                  | <u>50</u>                     |                                  | ODAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            |                                         | PAINTED ARROW               | -                             |                                  | OBAL )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | G          |                                         | GAS LINE                    | G                             | 1                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <i>T</i>   | 7                                       | TELEPHONE LINE              | TT                            | Df                               | PROPOSED<br>EVELOPMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | E<br>      | E                                       | ELECTRIC LINE<br>WATER LINE | EEEE                          | - MA                             | AP #7, LOT # 74                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| ADA INSTRUCTIONS TO CONTRACTOR:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | OH         | OH                                      | OVERHEAD WIRE               | OHOH                          | - 129 BC<br>- TOV                | VN OF BOLTON,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| INTRACTORS MUST EXERCISE APPROPRIATE CARE AND PRECISION IN CONSTRUCTION OF ADA (ACCESSIBLE) ACCESSIBLE COMPONENTS AND ACCESS ROUTES FOR THE<br>IE. THESE COMPONENTS, AS CONSTRUCTED, MUST COMPLY WITH ALL APPLICABLE STATE AND LOCAL ACCESSIBILITY LAWS AND REGULATIONS AND THE CURRENT ADA                                                                                                                                                                                                                                                                                                                                                                                                          | = = = =    | ======================================= | STORM PIPE                  | SS                            |                                  | ONNECTICUT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| ID/OR STATE ARCHITECTURAL ACCESS BOARD STANDARDS AND REGULATIONS' BARRIER FREE ACCESS AND ANY MODIFICATIONS, REVISIONS OR UPDATES TO SAME.<br>VISHED SURFACES ALONG THE ACCESSIBLE ROUTE OF TRAVEL FROM PARKING SPACE, PUBLIC TRANSPORTATION, PEDESTRIAN ACCESS, INTER-BUILDING ACCESS, TO<br>VINTS OF ACCESSIBLE BUILDING ENTRANCE/EXIT, MUST COMPLY WITH THESE ADA AND/OR ARCHITECTURAL ACCESS BOARD CODE REQUIREMENTS. THESE INCLUDE, BUT                                                                                                                                                                                                                                                         |            | 10                                      | PARKING COUNT               | (4)                           |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| RE <u>NOT</u> LIMITED TO THE FOLLOWING:<br>PARKING SPACES AND PARKING AISLES - SLOPE SHALL NOT EXCEED 1:50 (1/4" PER FOOT OR NOMINALLY 2.0%) IN ANY DIRECTION.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |            |                                         |                             |                               |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| CURB RAMPS - SLOPE MUST NOT EXCEED 1:12 (8.3%) FOR A MAXIMUM OF SIX (6) FEET.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |            | ~~~                                     | GUIDE RAIL                  |                               | 352 T                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| LANDINGS - MUST BE PROVIDED AT EACH END OF RAMPS, MUST PROVIDE POSITIVE DRAINAGE, AND MUST NOT EXCEED 1:50 (1/4" PER FOOT OR NOMINALLY 2.0%) IN ANY DIRECTION.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |            | ø                                       | UTILITY POLE                | ø                             | Phone                            | e: (508) 480-9900                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| PATH OF TRAVEL ALONG ACCESSIBLE ROUTE - MUST PROVIDE A 36-INCH OR GREATER UNOBSTRUCTED WIDTH OF TRAVEL (CAR OVERHANGS AND/OR HANDRAILS CANNOT<br>REDUCE THIS MINIMUM WIDTH). THE SLOPE MUST BE NO GREATER THAN 1:20 (5.0%) IN THE DIRECTION OF TRAVEL, AND MUST NOT EXCEED 1:50 (1/4" PER FOOT OR<br>NOMINALLY 2.0%) IN CROSS SLOPE. WHERE PATH OF TRAVEL WILL BE GREATER THAN 1:20 (5.0%), ADA RAMP MUST BE ADHERED TO. A MAXIMUM SLOPE OF 1:12 (8.3%), FOR<br>A MAXIMUM RISE OF 2.5 FEET, MUST BE PROVIDED. THE RAMP MUST HAVE ADA HAND RAILS AND "LEVEL" LANDINGS ON EACH END THAT ARE CROSS SLOPED NO MORE<br>THAN 1:50 IN ANY DIRECTION (1/4" PER FOOT OR NOMINALLY 2.0%) FOR POSITIVE DRAINAGE |            |                                         |                             |                               | www.Bohi                         | lerEngineering.con                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| STANDARDS FOR ALTERNATIVE DOORWAY OPENING CONDITIONS. (SEE ICC/ANSI A117.1-2003 AND OTHER REFERENCED INCORPORATED BY CODE.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | REFI       | ER TO SIT                               | E PLAN F                    | OR ZONING                     |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| OR SURFACES, CONTRACTOR MUST VERIFY EXISTING ELEVATIONS SHOWN ON THE PLAN. NOTE THAT TABLE 405.2 OF THE DEPARTMENT OF JUSTICE'S ADA STANDARDS<br>FOR ACCESSIBLE DESIGN ALLOWS FOR STEEPER RAMP SLOPES, IN RARE CIRCUMSTANCES. THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE DESIGN ENGINEER OF ANY<br>DISCREPANCIES AND/OR FIELD CONDITIONS THAT DIFFER IN ANY WAY OR ANY RESPECT FROM WHAT IS SHOWN ON THE PLANS, IN WRITING, BEFORE COMMENCEMENT OF<br>WORK. CONSTRUCTED IMPROVEMENTS MUST FALL WITHIN THE MAXIMUM AND MINIMUM LIMITATIONS IMPOSED BY THE BARRIER FREE REGULATIONS AND THE ADA<br>REQUIREMENTS.                                                                                       | ANA<br>ZON | LYSIS TA                                | BLE AND                     | LAND USE/<br>N & NOTES        |                                  | SIONAL <sup>8</sup> ENCODER<br>SIONAL <sup>8</sup> ENCODER<br>SIONAL <sup>8</sup> ENCODER<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONAL<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>SIONA<br>S |
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NOTES & DETAILS SHEET FOR TYPICAL **EROSION NOTES AND DETAILS** 

**REFER TO LANDSCAPE NOTES & DETAILS SHEET FOR TYPICAL** LANDSCAPE NOTES AND DETAILS

**REFER TO LIGHTING PLAN FOR** TYPICAL LIGHTING NOTES AND TABLES

ORG. DATE - 04/12/2021

GENERAL

NOTES

SHEET

SHEET NUMBE

04/12/202

W171113-CVL-0

MENTS

![](_page_37_Picture_0.jpeg)

MH RIM=531.33

![](_page_37_Figure_2.jpeg)

AMDATA\\_BOHLER\C3D2020NE\TEMP\ACPUBLISH\_16848\W171113-CVL-0----->LAYOUT: C-201-DEMC

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|                                      | REVISIONS                                                                                                                                                 |
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| 4"                                   | Know what's below.                                                                                                                                        |
| <i>49' 06"E</i>                      | Gall before you dig.                                                                                                                                      |
|                                      | It's fast. It's free. It's the law.                                                                                                                       |
|                                      |                                                                                                                                                           |
|                                      | ISSUED FOR PERMIT                                                                                                                                         |
| RY                                   |                                                                                                                                                           |
|                                      | THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY<br>REVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUCTION<br>DOCUMENT UNLESS INDICATED OTHERWISE. |
|                                      | PROJECT No.: W171113                                                                                                                                      |
|                                      | DRAWN BY: CPB<br>CHECKED BY: LMD/AWP                                                                                                                      |
|                                      | DATE: 04/12/2021<br>CAD I.D.: W171113-CVL-0                                                                                                               |
|                                      | PROJECT:                                                                                                                                                  |
|                                      | PROPOSED SITE                                                                                                                                             |
|                                      | PLAN DOCUMENTS                                                                                                                                            |
|                                      | 500                                                                                                                                                       |
|                                      | FOR                                                                                                                                                       |
|                                      | CIORAL                                                                                                                                                    |
|                                      |                                                                                                                                                           |
|                                      |                                                                                                                                                           |
|                                      | PROPOSED<br>DEVELOPMENT                                                                                                                                   |
|                                      | MAP #7, LOT # 74                                                                                                                                          |
|                                      | 129 BOSTON TURNPIKE<br>TOWN OF BOLTON,                                                                                                                    |
|                                      | TOLLAND COUNTY<br>CONNECTICUT                                                                                                                             |
|                                      |                                                                                                                                                           |
|                                      | DUNLER//                                                                                                                                                  |
|                                      | 352 TURNPIKE ROAD                                                                                                                                         |
|                                      | SOUTHBOROUGH, MA 01772<br>Phone: (508) 480-9900                                                                                                           |
|                                      | www.BohlerEngineering.com                                                                                                                                 |
|                                      |                                                                                                                                                           |
|                                      |                                                                                                                                                           |
|                                      | Justin & Staller                                                                                                                                          |
|                                      |                                                                                                                                                           |
|                                      | MASSACHOSE TENSENSENSENSENSENSENSENSENSENSENSENSENSE                                                                                                      |
|                                      | MAINE MAN SEVERALE MELANO 14695<br>MAINE MAINE 13816<br>CONNECTICUT LICENSE No. 30785                                                                     |
| REFER TO GENERAL NOTES SHEET FOR     | KHUDE ISLAND LICENSE.No. 11425                                                                                                                            |
| DEMICLITION NOTES                    | SHEET HILE:                                                                                                                                               |
|                                      | DEMOLITION                                                                                                                                                |
| THIS PLAN TO BE UTILIZED FOR         | ΡΙΔΝ                                                                                                                                                      |
| DEMULITION KEMUVAL<br>DIRDASES ANI V |                                                                                                                                                           |
|                                      | SHEET NUMBER:                                                                                                                                             |
|                                      | C-201                                                                                                                                                     |
|                                      |                                                                                                                                                           |
| 1"- 20'                              |                                                                                                                                                           |

![](_page_38_Figure_0.jpeg)

![](_page_38_Picture_1.jpeg)

RO TER CEN <u>NO</u>

MH RIM=531.33

# BOL T

![](_page_38_Figure_4.jpeg)

MAP 7, LOT 73 N/F LANDS OF JENNIE GORRA

BK. 114, PG. 133

| ZONI                                                                                                                                  | ING ANALYSIS                                                                                                                                                                                                                                                                                               | TABLE                                                                                                    | N/A - NOT APPLICABLE<br>N/S - NOT SPECIFIED<br>(V) - VARIANCE REQUESTED                            | Σ                                                                    |                                                                                                | RITTEN                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------|---------------------------------------------------------|
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                            | DNE (GMUIZ)                                                                                              | (W) - WAIVER REQUESTED<br>(W) - WAIVER REQUESTED<br>(E) - EXIST. NON-CONFORMANCE                   |                                                                      |                                                                                                | HOUT PRIOR                                              |
| REQUIRED PERMIT                                                                                                                       | SPECIAL PERMIT - SERVICE STATION                                                                                                                                                                                                                                                                           |                                                                                                          |                                                                                                    |                                                                      | U<br>2                                                                                         | JRPOSE WIT                                              |
| ZONE CRITERIA                                                                                                                         | REQUIRED           120,000 SF                                                                                                                                                                                                                                                                              | 40,532 SF                                                                                                | PROPOSED           NO CHANGE                                                                       |                                                                      |                                                                                                | D FOR ANY Pr<br>FOR CONSTF                              |
| MIN. LOT WIDTH<br>MAX. BLDG COVERAGE                                                                                                  | 200 FT 25%                                                                                                                                                                                                                                                                                                 | 200 FT<br>4.8%                                                                                           | NO CHANGE<br>9.5%                                                                                  |                                                                      |                                                                                                | YICE<br>IN THE OR USED                                  |
| MIN. FRONT SETBACK<br>MIN. SIDE SETBACK                                                                                               | <25 FT 25 FT                                                                                                                                                                                                                                                                                               | 19.0 FT<br>10 FT                                                                                         | 34.5 FT (CANOPY)<br>36.1 FT (CANOPY)                                                               |                                                                      |                                                                                                | N SEF<br>NOT BE COF<br>'LANS SHALL                      |
|                                                                                                                                       | 25 FT 40 FT                                                                                                                                                                                                                                                                                                | N/A<br>10.5 + FT                                                                                         | N/A 25 + FT                                                                                        |                                                                      | ABLE<br>NG SI                                                                                  | Y AND SHALL<br>ND SEALED F                              |
| MAX. IMPER. COVERAGE                                                                                                                  | 50%                                                                                                                                                                                                                                                                                                        | 75.3%                                                                                                    | 72.0% (E)                                                                                          |                                                                      | D COP<br>AND (<br>TAIN<br>MITTI                                                                | PROPRIETAR<br>ED, SIGNED A<br>© BOHLER                  |
| ACCESS. PARKING SPACES                                                                                                                | 44 MAX. & 20 MIN.                                                                                                                                                                                                                                                                                          | 5 ±                                                                                                      | 22<br>1                                                                                            | ▎▃▙                                                                  |                                                                                                | IS PLAN ARE<br>VLY APPROVE                              |
| PARKING STALL CRITERIA<br>STANDARD: 9 FT x 18 FT<br>COMPACT: 8 FT x 16 FT                                                             | AUTOMOTIVE REPAIR AND SERVICE:<br>A MINIMUM OF 2 SPACES PER 1,000 SF<br>GROSS FLOOR AREA IS REQUIRED.<br>4,820 SF / 1,000 X 2 = 9.6 SPACES REQUI<br>4,820 SF / 1,000 X 4 = 19.3 SPACES REQU                                                                                                                | OF GROSS FLOOR AREA, AND A<br>RED MINIMUM<br>JIRED MAXIMUM                                               | MAXIMUM OF 4 SPACES PER 1,000 SF OF                                                                |                                                                      |                                                                                                | L T<br>IGN AND CONTENT OF THI<br>ZATION FROM BOHLER. ON |
|                                                                                                                                       | SMALL COMMERCIAL CENTERS:<br>A MINIMUM OF 2 SPACES PER 1,000 SF<br>GROSS FLOOR AREA IS REQUIRED.<br>4,820 SF / 1,000 X 2 = 9.6 SPACES REQUI<br>4,820 SF / 1,000 X 5 = 24.1 SPACES REQUIRED = 9                                                                                                             | OF GROSS FLOOR AREA, AND A<br>IRED MINIMUM<br>JIRED MAXIMUM<br>9.6 + 9.6 = 20 SPACES                     | MAXIMUM OF 5 SPACES PER 1,000 SF OF                                                                |                                                                      |                                                                                                | THE INFORMATION, DES<br>AUTHORI                         |
| ACCESSIBLE PARKING                                                                                                                    | TOTAL MAXIMUM SPACES REQUIRED =<br>1-25 SPACES = 1 MIN. ACCESSIBL<br>26-50 SPACES = 2 MIN. ACCESSIBL                                                                                                                                                                                                       | 19.3 + 24.1 = 44 SPACES<br>E SPACE 401-500 SPA<br>E SPACES 501-1 000 SP                                  | CES = 9 MIN. ACCESSIBLE SPACES                                                                     | <b>F</b>                                                             | REVISIONS                                                                                      | DRAWN B                                                 |
| STANDARD:<br>8 FT x 18 FT STALL (MIN.)<br>5 FT x 18 FT AISLE (MIN.)<br>VAN:<br>8 FT x 18 FT STALL (MIN.)<br>8 FT x 18 FT AISLE (MIN.) | 51-75 SPACES         = 3 MIN. ACCESSIBL           76-100 SPACES         = 4 MIN. ACCESSIBL           101-150 SPACES         = 5 MIN. ACCESSIBL           151-200 SPACES         = 6 MIN. ACCESSIBL           201-300 SPACES         = 7 MIN. ACCESSIBL           301-400 SPACES         = 8 MIN. ACCESSIBL | E SPACES 1001+ SPACE<br>E SPACES<br>E SPACES<br>E SPACES 1 ACCESSIBLE<br>E SPACES ACCESSIBLE<br>E SPACES | ES = MIN. 20 + 1 FOR EACH 100<br>SPACES OVER 1,000<br>LE VAN SPACE PER 6 STANDARD<br>SPACES (MIN.) |                                                                      | COMMENT                                                                                        |                                                         |
| (H)                                                                                                                                   | —— МН<br>RIM=554.09                                                                                                                                                                                                                                                                                        |                                                                                                          |                                                                                                    |                                                                      |                                                                                                |                                                         |
| 5"E                                                                                                                                   |                                                                                                                                                                                                                                                                                                            |                                                                                                          |                                                                                                    | Kno<br>AL<br>It's fast.<br>ISSUEI                                    | w what's below.<br>Call before you dig.<br>WAYS CALL 811<br>. It's free. It's the law          | ».<br>ИІТ                                               |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                            |                                                                                                          |                                                                                                    | THIS DRAWING IS IN                                                   | TENDED FOR MUNICIPAL AND/OR                                                                    | RAGENCY                                                 |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                            |                                                                                                          |                                                                                                    | REVIEW AND APPROVA                                                   | AL. IT IS NOT INTENDED AS A CON<br>UNLESS INDICATED OTHERWISE                                  |                                                         |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                            |                                                                                                          |                                                                                                    | PROJECT No.:<br>DRAWN BY:<br>CHECKED BY:<br>DATE:<br>CAD I.D.:       | L<br>04<br>W1711                                                                               | W171113<br>CPE<br>MD/AWF<br>4/12/2021<br>13-CVL-0       |
| 7, LOT 73<br>ANDS OF                                                                                                                  |                                                                                                                                                                                                                                                                                                            |                                                                                                          |                                                                                                    | PROJECT:<br>PRO<br>PLAN                                              | POSED SIT<br>DOCUMEN                                                                           | E<br>TS                                                 |
| IE GORRA<br>4, PG. 133                                                                                                                |                                                                                                                                                                                                                                                                                                            |                                                                                                          |                                                                                                    | GL                                                                   | FOR OBAL                                                                                       | 0                                                       |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                            |                                                                                                          |                                                                                                    |                                                                      | PROPOSED                                                                                       |                                                         |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                            |                                                                                                          |                                                                                                    | D<br>M/                                                              | EVELOPMENT                                                                                     |                                                         |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                            |                                                                                                          |                                                                                                    | 129 B<br>TO\<br>TOI<br>C                                             | USION TURNPIKE<br>WN OF BOLTON,<br>LLAND COUNTY<br>CONNECTICUT                                 |                                                         |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                            |                                                                                                          |                                                                                                    | BO                                                                   | HLER                                                                                           | //                                                      |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                            |                                                                                                          |                                                                                                    | 352<br>SOUTHE                                                        | TURNPIKE ROAD<br>30ROUGH, MA 017                                                               | 72                                                      |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                            |                                                                                                          |                                                                                                    | Phon<br>www.Boh                                                      | ne: (508) 480-9900                                                                             | com                                                     |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                            |                                                                                                          |                                                                                                    | J.G.S.<br>*<br>PROFS<br>MASSEP<br>NEW HAR<br>MAIL<br>CONNEC<br>RHODE | SIGNATE ENCIDENCIDE<br>SIGNATE ENCIDENCIDE<br>SIGNATE ENCIDENCIDE<br>NELLAND LICENSE.NO. 11425 | <b>YG</b>                                               |
|                                                                                                                                       | THIS PLAN<br>LAYOUT PU<br>G<br>SHEET F                                                                                                                                                                                                                                                                     | TO BE UTIL<br>JRPOSES O<br>ENERAL NO<br>OR ADDITIO                                                       | IZED FOR SITE<br>NLY. REFER TO<br>DTES<br>DNAL NOTES                                               |                                                                      | SITE<br>AYOUT<br>PLAN                                                                          |                                                         |
|                                                                                                                                       | 2                                                                                                                                                                                                                                                                                                          | 20 10 5 0                                                                                                | 20                                                                                                 |                                                                      | <b>C-301</b>                                                                                   |                                                         |
|                                                                                                                                       |                                                                                                                                                                                                                                                                                                            |                                                                                                          |                                                                                                    |                                                                      |                                                                                                |                                                         |

ORG. DATE - 04/12/2021

MH RIM=531.33

5 रि रे PROP. WQU-1

INV. IN=535.21

INV. OUT=535.11±ME

9

🕯 PROP. 14 LF 15" HDPE 🚽

APPROX. LIMIT -

OF WORK (TYP.)

SAWCUT (TYP.)

LIMIT OF PROP. PAVEMENT

INLET ----GRT=549.83 (FILTER FABRIC)

RIM=539.50

S=0.010

BOL

![](_page_39_Figure_5.jpeg)

W

MH RIM=531.33

APPROX. LIMIT — UP #1081 W/GUY WIRES(2), CONDUIT & TRANS OF WORK (TYP.) **TER** LIMIT OF PROP. PAVEMENT SAWCUT (TYP.)  $\mathbf{O}$ UP #1082 — W/CONDUIT(2) & TRANS(3) APPROX. CONNECTION TO EXIST. -UNDERGROUND TELE. COMM. SERVICE. G/C TO COORDINATE WITH UTILITY PROVIDER TO COORDINATE WITH UTILITY PROVIDER INLET ----GRT=549.83

![](_page_40_Figure_5.jpeg)

![](_page_40_Picture_9.jpeg)

ORG. DATE - 04/12/2021

![](_page_41_Picture_1.jpeg)

# 80 'TER CEN NO NO BOL 70

2

![](_page_41_Figure_4.jpeg)

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|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                        | REVISIONS                                                                                                                                                               |
|                                                                                        | REV DATE COMMENT DRAWN BY<br>CHECKED BY                                                                                                                                 |
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|                                                                                        |                                                                                                                                                                         |
| 06"E                                                                                   | Know what's <b>below.</b><br><b>Call</b> before you dig.                                                                                                                |
|                                                                                        | It's fast. It's free. It's the law.                                                                                                                                     |
|                                                                                        |                                                                                                                                                                         |
|                                                                                        | ISSUED FOR PERMIT                                                                                                                                                       |
|                                                                                        | THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY<br>REVIEW AND APPROVAL. <u>IT IS NOT INTENDED AS A CONSTRUCTION</u><br><u>DOCUMENT</u> UNLESS INDICATED OTHERWISE. |
|                                                                                        | PROJECT No.:         W171113           DRAWN BY:         CPB           CHECKED BY:         LMD/AWP                                                                      |
|                                                                                        | DATE: 04/12/2021<br>CAD I.D.: W171113-CVL-0                                                                                                                             |
|                                                                                        | FOR<br>FOR<br>FOR<br>PROPOSED<br>DEVELOPMENT<br>MAP #7, LOT # 74<br>129 BOSTON TURNPIKE<br>TOWN OF BOLTON,                                                              |
|                                                                                        | CONNECTICUT                                                                                                                                                             |
|                                                                                        | BOHLER //                                                                                                                                                               |
|                                                                                        | <b>352 TURNPIKE ROAD</b><br><b>SOUTHBOROUGH, MA 01772</b><br>Phone: (508) 480-9900                                                                                      |
|                                                                                        | www.BohlerEngineering.com                                                                                                                                               |
| THIS PLAN TO BE UTILIZED FOR SITE                                                      | FCONNECTICUT LICENSE No. 30785                                                                                                                                          |
| SOIL AND EROSION CONTROL                                                               | RHODE ISLAND LICENSE No. 11425                                                                                                                                          |
| PURPOSES ONLY                                                                          | SOIL EROSION &                                                                                                                                                          |
| REFER TO SOIL EROSION CONTROL<br>NOTES & DETAIL SHEET FOR EROSION<br>NOTES AND DETAILS | SEDIMENT<br>CONTROL PLAN                                                                                                                                                |
|                                                                                        | sheet number:<br>C-601                                                                                                                                                  |
| 1"= 20'                                                                                | ORG. DATE - 04/12/2021                                                                                                                                                  |

| EROSION AND SEDIMENT CONTROL NOTES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| 1. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE DONE AS SET FORTH IN THE MOST CURRENT STATE SEDIMENT AND EROSION CONTROL MANUAL.                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                        |
| 2. THOSE AREAS UNDERGOING ACTUAL CONSTRUCTION WILL BE LEFT IN AN UNTREATED OR UNVEGETATED CONDITION FOR A MINIMUM TIME. AREAS SHALL BE PERMANENTLY STABILIZED WITHIN 15 DAYS OF FINAL GRADING AND TEMPORARILY STABILIZED WITHIN 30 DAYS OF INITIAL DISTURBANCE OF THE SOIL. IF THE DISTURBANCE IS WITHIN 100 FEET OF A STREAM OR POND, THE AREA SHALL BE STABILIZED WITHIN 17 DAYS OR PRIOR TO ANY STORM EVENT (THIS WOULD INCLUDE WETLANDS).                                                                                                                            |                                                                                        |
| <ol> <li>SEDIMENT BARRIERS (SILT FENCE, STRAW BARRIERS, ETC.) SHOULD BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE OF THE<br/>CONTRIBUTING DRAINAGE AREA ABOVE THEM. MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL AREAS WITH SLOPES<br/>GREATER THAN 15% AFTER OCTOBER 1ST THE SAME APPLIES FOR ALL SLOPES GREATER THAN 8%</li> </ol>                                                                                                                                                                                                                                 |                                                                                        |
| <ol> <li>INSTALL SILTATION BARRIER AT TOE OF SLOPE TO FILTER SILT FROM RUNOFF. SEE SILTATION BARRIER DETAILS FOR PROPER<br/>INSTALLATION. SILTATION BARRIER WILL REMAIN IN PLACE PER NOTE #5.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                 | 2-1/2" CLEAN STONE<br>PROFILE                                                          |
| 5. ALL EROSION CONTROL STRUCTURES WILL BE INSPECTED, REPLACED AND/OR REPAIRED EVERY 7 DAYS AND IMMEDIATELY FOLLOWING ANY SIGNIFICANT RAINFALL OR SNOW MELT OR WHEN NO LONGER SERVICEABLE DUE TO SEDIMENT ACCUMULATION OR DECOMPOSITION. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER. SEDIMENT CONTROL DEVICES SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL AREAS UPSLOPE ARE STABILIZED BY TURF.                                            |                                                                                        |
| 6. NO SLOPES, EITHER PERMANENT OR TEMPORARY, SHALL BE STEEPER THAN TWO TO ONE (2:1).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                        |
| <ol> <li>IF FINAL SEEDING OF THE DISTURBED AREAS IS NOT COMPLETED 45 DAYS PRIOR TO THE FIRST KILLING FROST, USE TEMPORARY<br/>MULCH (DORMANT SEEDING MAY BE ATTEMPTED AS WELL) TO PROTECT THE SITE AND DELAY SEEDING UNTIL THE NEXT<br/>RECOMMENDED SEEDING PERIOD.</li> </ol>                                                                                                                                                                                                                                                                                           |                                                                                        |
| 8. TEMPORARY SEEDING OF DISTURBED AREAS THAT HAVE NOT BEEN FINAL GRADED SHALL BE COMPLETED 45 DAYS PRIOR TO THE<br>FIRST KILLING FROST TO PROTECT FROM SPRING RUNOFF PROBLEMS.                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                        |
| 9. DURING THE CONSTRUCTION PHASE, INTERCEPTED SEDIMENT WILL BE RETURNED TO THE SITE AND REGRADED ONTO OPEN AREAS.                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                        |
| <ol> <li>REVEGETATION MEASURES WILL COMMENCE UPON COMPLETION OF CONSTRUCTION EXCEPT AS NOTED ABOVE. ALL DISTURBED<br/>AREAS NOT OTHERWISE STABILIZED WILL BE GRADED, SMOOTHED, AND PREPARED FOR FINAL SEEDING AS FOLLOWS:</li> </ol>                                                                                                                                                                                                                                                                                                                                     | PLAN VIEW                                                                              |
| 10.1. SIX INCHES OF LOAM WILL BE SPREAD OVER DISTURBED AREAS AND SMOOTHED TO A UNIFORM SURFACE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                        |
| 10.2. APPLY LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST. IF SOIL TESTING IS NOT FEASIBLE ON SMALL OR VARIABLE SITES,<br>OR WHERE TIMING IS CRITICAL, FERTILIZER MAY BE APPLIED AT THE RATE OF 800 LB PER ACRE OR 18.4 LB PER 1,000 SF USING<br>10-20-20 OR EQUIVALENT. APPLY GROUND LIMESTONE (EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDE) AT A RATE OF 3<br>TONS PER ACRE (138 LB PER1,000 SF).                                                                                                                                                                 | PERCENT SLOPE OF ROADWAY COARS 0 TO 2% 2% TO 5%                                        |
| 10.3. FOLLOWING SEED BED PREPARATION, DITCHES AND BACK SLOPES WILL BE SEEDED TO A MIXTURE OF 47% CREEPING RED FESCUE, 5% REDTOP, AND 48% TALL FESCUE. THE LAWN AREAS WILL BE SEEDED TO A PREMIUM TURF MIXTURE OF 44% KENTUCKY BLUE-GRASS, 44% CREEPING RED FESCUE, AND 12% PERENNIAL RYEGRASS: SEEDING RATE IS 1.03 LBS PER 1,000 SF LAWN QUALITY SOD MAY BE SUBSTITUTED FOR SEED.                                                                                                                                                                                       | 2% 10 5%       >5%       ENTIRE EN       (1) AS PRESCRIBED BY LOCAL ORDINANCE OR OTHER |
| 10.4. STRAW MULCH AT THE RATE OF 70-90 LBS PER 1,000 SF. A HYDRO-APPLICATION OF WOOD OR PAPER FIBER SHALL BE APPLIED FOLLOWING SEEDING. A SUITABLE BINDER SUCH AS CURASOL OR RMB PLUS WILL BE USED ON STRAW MULCH FOR WIND CONTROL.                                                                                                                                                                                                                                                                                                                                      |                                                                                        |
| 11. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED ONCE THE SITE IS STABILIZED.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | STABILIZED CONST                                                                       |
| 12. WETLANDS WILL BE PROTECTED W/ STRAW, COMPOST, AND/OR SILT FENCE BARRIERS INSTALLED AT THE EDGE OF THE WETLAND OR THE BOUNDARY OF WETLAND DISTURBANCE.                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                        |
| 13. ALL AREAS WITHIN 100 FEET OF A FLAGGED WETLAND OR STREAM SHALL HAVE AN EXPOSURE WINDOW OF NOT MORE THAN 7 DAYS.                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                        |
| <ol> <li>ALL AREAS WITHIN 100 FEET OF A FLAGGED WETLAND OR STREAM SHALL FOLLOW APPROPRIATE EROSION CONTROL MEASURES<br/>PRIOR TO EACH STORM IF NOT BEING ACTIVELY WORKED,</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                        |
| LOCATION MULCH RATE (1000 SF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                        |
| PROTECT AREA     STRAW     100 POUNDS       WINDY AREA     SHREDDED OR CHOPPED CORNSTALKS     185-275 POUNDS                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                        |
| STRAW (ANCHORED)* 100 POUNDS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                        |
| MODERATE TO HIGH JUTE MESH OR EXCELSIOR MAT AS REQUIRED<br>VELOCITY AREAS OR<br>STEEP SLOPES<br>GREATER THAN 3:1                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1:3 MAXIMUM SLOPE                                                                      |
| GREATER THAN 3:1 (REFER TO GEOTECHNICAL REPORT FOR FINAL DESIGN REQUIREMENT)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3                                                                                      |
| * A HYDRO-APPLICATION OF WOOD, OR PAPER FIBER MAY BE APPLIED FOLLOWING SEEDING. A SUITABLE BINDER SUCH AS CURASOL OR<br>RMB<br>PLUS SHALL BE USED ON STRAW MULCH FOR WIND CONTROL                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                        |
| MULCH ANCHORING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                        |
| ANCHOR MULCH WITH PEG AND TWINE (1 SQ. YD/BLOCK); MULCH NETTING (AS PER MANUFACTURER); WOOD CELLULOSE FIBER (750<br>LBS/ACRE); CHEMICAL TACK (AS PER MANUFACTURER'S SPECIFICATIONS); USE OF A SERRATED STRAIGHT DISK. WETTING FOR SMALL<br>AREAS AND ROAD DITCHES MAY BE PERMITTED.                                                                                                                                                                                                                                                                                      |                                                                                        |
| EROSION CONTROL NOTES DURING WINTER CONSTRUCTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                        |
| 1. WINTER CONSTRUCTION PERIOD: NOVEMBER 1 THROUGH APRIL 15.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                        |
| <ol> <li>WINTER EXCAVATION AND EARTHWORK SHALL BE DONE SUCH THAT NO MORE THAN TACKE OF THE SITE IS WITHOUT STABILIZATION<br/>AT ANY ONE TIME.</li> <li>EXPOSED AREA SHOULD BE LIMITED TO THAT WHICH CAN BE MULCHED IN ONE DAY PRIOR TO ANY SNOW EVENT.</li> </ol>                                                                                                                                                                                                                                                                                                        |                                                                                        |
| 4. CONTINUATION OF EARTHWORK OPERATION ON ADDITIONAL AREAS SHALL NOT BEGIN UNTIL THE EXPOSED SOIL SURFACE ON THE<br>AREA BEING WORKED HAS BEEN STABILIZED SUCH THAT NO LARGER AREA OF THE SITE IS WITHOUT EROSION CONTROL<br>PROTECTION AS LISTED IN ITEM 2 ABOVE.                                                                                                                                                                                                                                                                                                       |                                                                                        |
| 5. AN AREA SHALL BE CONSIDERED TO HAVE BEEN STABILIZED WHEN EXPOSED SURFACES HAVE BEEN EITHER MULCHED WITH STRAW<br>OR STRAW AT A RATE OF 100 LB. PER 1,000 SQUARE FEET (WITH OR WITHOUT SEEDING) OR DORMANT SEEDED, MULCHED AND<br>ADEQUATELY ANCHORED BY AN APPROVED ANCHORING TECHNIQUE.                                                                                                                                                                                                                                                                              |                                                                                        |
| 6. BETWEEN THE DATES OF OCTOBER 15 AND APRIL 1ST, LOAM OR SEED WILL NOT BE REQUIRED. DURING PERIODS OF ABOVE<br>FREEZING TEMPERATURES THE SLOPES SHALL BE FINE GRADED AND EITHER PROTECTED WITH MULCH OR TEMPORARILY SEEDED                                                                                                                                                                                                                                                                                                                                              |                                                                                        |
| AND MULCHED UNTIL SUCH TIME AS THE FINAL TREATMENT CAN BE APPLIED. IF THE DATE IS AFTER NOVEMBER 1ST AND IF THE<br>EXPOSED AREA HAS BEEN LOAMED, FINAL GRADED AND IS SMOOTH, THEN THE AREA MAY BE DORMANT SEEDED AT A RATE OF 200 -<br>300% HIGHER THAN SPECIFIED FOR PERMANENT SEED AND THEN MULCHED. IF CONSTRUCTION CONTINUES DURING FREEZING<br>WEATHER, ALL EXPOSED AREAS SHALL BE CONTINUOUSLY GRADED BEFORE FREEZING AND THE SURFACE TEMPORARILY<br>PROTECTED FROM EROSION BY THE APPLICATION OF MULCH. SLOPES SHALL NOT BE LEFT UNEXPOSED OVER THE WINTER OR ANY | TEMPORARY                                                                              |
| CONDITIONS ALLOW DITCHES TO BE FINISHED WITH THE PERMANENT SURFACE TREATMENT, EROSION SHALL BE CONTROLLED BY<br>THE INSTALLATION OF BALES OF STRAW OR STONE CHECK DAMS IN ACCORDANCE WITH THE STANDARD DETAILS.                                                                                                                                                                                                                                                                                                                                                          |                                                                                        |
| <ol> <li>MULCHING REQUIREMENTS:</li> <li>7.1. BETWEEN THE DATES OF NOVEMBER 1ST AND APRIL 15TH ALL MULCH SHALL BE ANCHORED BY EITHER PEG LINE MULCH</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                        |
| NETTING OR WOOD CELLULOSE FIBER.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                        |
| 7.2. MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL DRAINAGE WAYS WITH A SLOPE GREATER THAN 3% FOR SLOPE EXPOSED TO DIRECT WINDS AND FOR ALL OTHER SLOPES GREATER THAN 8%.                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                        |
| 7.3. MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL AREAS WITH SLOPES GREATER THAN 15% AFTER OCTOBER 1ST THE SAME APPLIES FOR ALL SLOPES GREATER THAN 8%.                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                        |
| 8. AFTER NOVEMBER 1ST THE CONTRACTOR SHALL APPLY DORMANT SEEDING OR MULCH AND ANCHORING ON ALL BARE EARTH AT THE END OF EACH WORKING DAY.                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                        |
| 9. DURING THE WINTER CONSTRUCTION PERIOD ALL SNOW SHALL BE REMOVED FROM AREAS OF SEEDING AND MULCHING PRIOR TO<br>PLACEMENT                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                        |
| <ol> <li>STOCKPILING OF MATERIALS (DIRT, WOOD, CONSTRUCTION MATERIALS, ETC.) MUST REMAIN COVERED AT ALL TIMES TO MINIMIZE<br/>ANY DUST PROBLEMS THAT MAY OCCUR WITH ADJACENT PROPERTIES AND TO PROVIDE MAXIMUM PROTECTION AGAINST EROSION<br/>RUNOFF</li> </ol>                                                                                                                                                                                                                                                                                                          |                                                                                        |
| 11. EXISTING CATCH BASIN STRUCTURES SHALL BE PROTECTED UNTIL SUCH TIME AS THEY ARE REMOVED.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                        |

![](_page_42_Figure_2.jpeg)

![](_page_43_Figure_0.jpeg)

![](_page_43_Picture_1.jpeg)

![](_page_43_Figure_2.jpeg)

|                 |      | LANDSCA                             | PE SCHEDULE                 |                           |           | ₽   |      |                                      | DR WRITTEN                                          |
|-----------------|------|-------------------------------------|-----------------------------|---------------------------|-----------|-----|------|--------------------------------------|-----------------------------------------------------|
| KEY             | QTY. | BOTANICAL NAME                      | COMMON NAME                 | SIZE                      | CONT.     |     |      |                                      | OUT PRIC                                            |
| EVERGREEN SHRUB | S    |                                     |                             |                           | 1         |     |      |                                      | SE WITHO                                            |
| IGS             | 3    | ILEX GLABRA 'SHAMROCK'              | SHAMROCK INKBERRY HOLLY     | 24-30"                    | B+B       |     |      | UN N                                 | TRUCTIO                                             |
| SUBTOTAL:       | 3    |                                     |                             | ·                         |           |     |      |                                      | ED FOR ANY                                          |
| GROUND COVERS   |      |                                     |                             |                           |           |     |      |                                      |                                                     |
| JHBH            | 3    | JUNIPERUS HORIZONTALIS 'BAR HARBOR' | BAR HARBOR CREEPING JUNIPER | 15-18" SPRD.              | CONTAINER |     |      |                                      |                                                     |
| SUBTOTAL:       | 3    |                                     |                             |                           |           | 1.  |      | LTIN<br>NAG<br>CHI<br>SER            |                                                     |
| ORNAMENTAL GRAS | SES  |                                     |                             |                           |           |     |      | NSUC<br>NSUC<br>M MA<br>M MA<br>NABL | TATI<br>TARY AND S<br>ED AND SEAL                   |
| PAH             | 6    | PENNISETUM ALOPECUROIDES 'HAMELN'   | DWARF FOUNTAIN GRASS        | 2 GAL.                    | CONTAINER |     |      |                                      |                                                     |
| SUBTOTAL:       | 6    |                                     |                             |                           |           |     |      |                                      |                                                     |
|                 |      |                                     | SEED MIX                    | <b>KEY</b><br>ROPOSED HYD | ROSEED    |     | m    | Es                                   | THE INFORMATION, DESIGN AND CO<br>AUTHORIZATION FRO |
|                 |      |                                     |                             |                           |           | Г   | F    | REVISIONS                            |                                                     |
|                 |      |                                     |                             |                           |           | REV | DATE | COMMENT                              | DRAWN B                                             |
|                 |      |                                     |                             |                           |           |     |      |                                      |                                                     |
|                 |      |                                     |                             |                           |           |     |      |                                      |                                                     |
|                 |      |                                     |                             |                           |           |     |      |                                      |                                                     |
|                 |      |                                     |                             |                           |           |     |      |                                      |                                                     |
|                 |      |                                     |                             |                           |           |     |      |                                      |                                                     |

THIS PLAN TO BE UTILIZED FOR LANDSCAPE PURPOSES ONLY

**REFER LANDSCAPE NOTES &** DETAILS SHEET FOR LANDSCAPE NOTES AND DETAILS

![](_page_43_Picture_11.jpeg)

PROPOSED SITE PLAN DOCUMENTS — FOR — GLOBAL

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THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY REVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUCTIO DOCUMENT UNLESS INDICATED OTHERWISE.

W171

04/12/2022

W171113-LND-0

CPB LMD/AWP

PROJECT No.:

DRAWN BY: CHECKED BY:

DATE: CAD I.D.:

PROJECT:

PROPOSED DEVELOPMENT MAP #7, LOT # 74 **129 BOSTON TURNPIKE** 

TOWN OF BOLTON, TOLLAND COUNTY CONNECTICUT

**BOHLER** 

**352 TURNPIKE ROAD** SOUTHBOROUGH, MA 01772 Phone: (508) 480-9900

www.BohlerEngineering.com

![](_page_43_Picture_17.jpeg)

SHEET TITLE:

![](_page_43_Picture_19.jpeg)

SHEET NUMBER: **C-701** 

ORG. DATE - 04/12/2021

#### LANDSCAPE SPECIFICATIONS

| 1.1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DORING THE FALL FLANTING SEASON.                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | THE LANDSCAPE CONTRACTOR SHALL BE REQUIRED TO PERFORM ALL CLEARING, FINISHED GRADING, SOIL PREPARATION, PERMANENT SEEDING OR SODDING. PLANTING AND MULCHING INCLUDING ALL LABOR. MATERIALS, TOOLS AND EQUIPMENT NECESSARY FOR THE COMPLETION OF THIS PROJECT.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ACER RUBRUM PLATAN                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | UNLESS OTHERWISE CONTRACTED BY THE GENERAL CONTRACTOR.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | BETULA VARIETIES POPULU<br>CARPINUS VARIETIES PRUNUS                                                    |
| 2. <u>MAT</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | CRATAEGUS VARIETIES PYRUS V                                                                             |
| 2.1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | GENERAL - ALL HARDSCAPE MATERIALS SHALL MEET OR EXCEED SPECIFICATIONS AS OUTLINED IN THE STATE DEPARTMENT OF TRANSPORTATION'S<br>SPECIFICATIONS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | KOELREUTERIA QUERCU<br>LIQUIDAMBAR STYRACIFLUA TILIA TO                                                 |
| 2.2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | TOPSOIL - NATURAL, FRIABLE, LOAMY SILT SOIL HAVING AN ORGANIC CONTENT NOT LESS THAN 5%, A PH RANGE BETWEEN 4.5-7.0. IT SHALL BE FREE OF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | LIRIODENDRON TULIPIFERA ZELKOV                                                                          |
| 0.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DEBRIS, ROCKS LARGER THAN ONE INCH (1"), WOOD, ROOTS, VEGETABLE MATTER AND CLAY CLODS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 9.8. PLANTING PITS SHALL BE DUG WITH LEVEL BOTTOMS,<br>UNDISTURBED GRADE FACH PLANT PIT SHALL BE BA     |
| 2.3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | AND SEEDED OR SODDED IN ACCORDANCE WITH THE PERMANENT STABILIZATION METHODS INDICATED ON THE LANDSCAPE PLAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 9.8.1. 1 PART PEAT MOSS                                                                                 |
| 2.3.1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | LAWN SEED MIXTURE SHALL BE FRESH, CLEAN NEW CROP SEED.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 9.8.2. 1 PART COMPOSTED COW MANURE BY VOLUME                                                            |
| 2.3.2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | SOD SHALL BE STRONGLY ROOTED, WEED AND DISEASE/PEST FREE WITH A UNIFORM THICKNESS. SOD INSTALLED ON SLOPES GREATER THAN 4:1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 9.8.3. 3 PARTS TOPSOIL BY VOLUME                                                                        |
| 2.4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | MULCH - ALL PLANTING BEDS SHALL BE MULCHED WITH A 3" THICK LAYER OF DOUBLE SHREDDED HARDWOOD BARK MULCH. UNLESS OTHERWISE STATED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 9.8.4. 21 GRAMS 'AGRIFORM' PLANTING TABLETS (OR A                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ON THE LANDSCAPE PLAN AND/OR LANDSCAPE PLAN NOTES /DETAILS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 9.8.4.2. 3 TABLETS PER T GALLON PLANT<br>9.8.4.2.                                                       |
| 2.5.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | FERTILIZER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 9.8.4.3. 4 TABLETS PER 15 GALLON PLANT                                                                  |
| 2.5.1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | FERTILIZER SHALL BE DELIVERED TO THE SITE MIXED AS SPECIFIED IN THE ORIGINAL UNOPENED STANDARD BAGS SHOWING WEIGHT, ANALYSIS AND NAME OF MANUFACTURER. FERTILIZER SHALL BE STORED IN A WEATHERPROOF PLACE SO THAT IT CAN BE KEPT DRY PRIOR TO USE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 9.9. FILL PREPARED SOIL AROUND BALL OF PLANT HALF-W                                                     |
| 2.5.2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | FOR THE PURPOSE OF BIDDING, ASSUME THAT FERTILIZER SHALL BE 10% NITROGEN, 6% PHOSPHORUS AND 4% POTASSIUM BY WEIGHT. A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 9.10. ALL PLANTS SHALL BE PLANTED SO THAT THE TOP OF                                                    |
| 2.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | FERTILIZER SHOULD NOT BE SELECTED WITHOUT A SOIL TEST PERFORMED BY A CERTIFIED SOIL LABORATORY.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | THE CENTER OF THE PIT. NO SOIL IS TO BE PLACED D                                                        |
| 2.6.1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ALL PLANTS SHALL IN ALL CASES CONFORM TO THE REQUIREMENTS OF THE "AMERICAN STANDARD FOR NURSERY STOCK" (ANSI Z60.1), LATEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 9.11. ALL PROPOSED TREES DIRECTLY ADJACENT TO WALK<br>FROM GRADE.                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | EDITION, AS PUBLISHED BY THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION (FORMERLY THE AMERICAN ASSOCIATION OF NURSERYMEN).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 9.12. GROUND COVER AREAS SHALL RECEIVE A 1/2" LAYER O                                                   |
| 2.6.2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IN ALL CASES, BOTANICAL NAMES SHALL TAKE PRECEDENCE OVER COMMON NAMES FOR ANY AND ALL PLANT MATERIAL.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                         |
| 2.6.3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | PLANTS SHALL BE LEGIBLY TAGGED WITH THE PROPER NAME AND SIZE. TAGS ARE TO REMAIN ON AT LEAST ONE PLANT OF EACH SPECIES FOR VERIFICATION PURPOSES DURING THE FINAL INSPECTION.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 9.14. ALL PLANTING AREAS AND PLANTING PITS SHALL BE N                                                   |
| 2.6.4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | TREES WITH ABRASION OF THE BARK, SUN SCALDS, DISFIGURATION OR FRESH CUTS OF LIMBS OVER 11/4", WHICH HAVE NOT BEEN COMPLETELY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | THE TRUNK OF THE TREE OR SHRUB.                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | CALLUSED, SHALL BE REJECTED. PLANTS SHALL NOT BE BOUND WITH WIRE OR ROPE AT ANY TIME SO AS TO DAMAGE THE BARK OR BREAK<br>BRANCHES.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 9.15. ALL PLANTING AREAS SHALL BE WATERED IMMEDIATE                                                     |
| 2.6.5.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY AND SHALL HAVE A NORMAL HABIT OF GROWTH: WELL DEVELOPED BRANCHES,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10. I KANSPLANTING (WHEN REQUIRED)                                                                      |
| 266                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DENSELT FOLIATED, VIGOROUS ROOT STSTEMS AND BE FREE OF DISEASE, INSECTS, PESTS, EGGS OR LARVAE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 10.2. IF PLANTS ARE TO BE STOCKPILED BEFORE REPLANTI                                                    |
| 2.0.0.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | FOR THE ADDITED AND INCLUDING A FOUR INCH (4") CALIPER SIZE. IF THE CALIPER AT SIX INCHES (6") ABOVE THE GROUND EXCEEDS FOUR INCHES (10" ND CALIPER AT A DOINE AT A D                                                                           | FROM EXTREME HEAT, SUN AND WIND.                                                                        |
| 267                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (4) IN CALIPER, THE CALIPER SHOULD BE MEASURED AT A POINT 12 ABOVE THE NATURAL GRADE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 10.3. PLANTS SHALL NOT BE DUG FOR TRANSPLANTING BE                                                      |
| 2.6.8.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | TREES AND SHRUBS SHALL BE HANDLED WITH CARE BY THE ROOT BALL.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 10.4. UPON REPLANTING, BACKFILL SOIL SHALL BE AMENDE                                                    |
| 3. <u>GEN</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | IERAL WORK PROCEDURES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 10.6 E TRANSPLANTS SHALL BE GUARANTEED FOR THE LEW                                                      |
| 3.1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | CONTRACTOR TO UTILIZE WORKMANLIKE INDUSTRY STANDARDS IN PERFORMING ALL LANDSCAPE CONSTRUCTION. THE SITE IS TO BE LEFT IN A CLEAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | BE REQUIRED TO BE REPLACED IN ACCORDANCE WITH                                                           |
| 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | STATE AT THE END OF EACH WORKDAY. ALL DEBRIS, MATERIALS AND TOOLS SHALL BE PROPERLY STORED, STOCKPILED OR DISPOSED OF.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 11. WATERING                                                                                            |
| J.Z.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ORGANIC MATERIALS, BUT SHALL BE REMOVED COMPLETELT DISPOSED OF AT THE CONTRACTOR'S EXPENSE. DEBRIS SHALL NOT BE BURIED, INCLUDING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 11.1. NEW PLANTINGS OR LAWN AREAS SHALL BE ADEQUAT<br>TREE AND SHRUB IN SUCH MANNER AS NOT TO DISTU     |
| 4. <u>Site</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PREPARATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | SATURATED. WATERING SHALL CONTINUE AT LEAST                                                             |
| 4.1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | BEFORE AND DURING PRELIMINARY GRADING AND FINISHED GRADING, ALL WEEDS AND GRASSES SHALL BE DUG OUT BY THE ROOTS AND DISPOSED OF IN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11.2. SITE OWNER SHALL PROVIDE WATER IF AVAILABLE ON NECESSARY WATER THE LISE OF WATERING BACK IS       |
| 42                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ACCORDANCE WITH GENERAL WORK PROCEDURES OUTLINED HEREIN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 11.3. IF AN IRRIGATION SYSTEM HAS BEEN INSTALLED ON T                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | OFF AT THE BRANCH COLLAR. CONTRACTOR SHALL ENSURE THAT CUTS ARE SMOOTH AND STRAIGHT. ANY EXPOSED ROOTS SHALL BE CUT BACK WITH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | SYSTEM DOES NOT ELIMINATE THE CONTRACTOR'S R                                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | BASIS FOR ADDITIONAL ROOT OR BRANCH DAMAGE AS A RESULT OF CONSTRUCTION. ROOTS SHALL NOT BE LEFT EXPOSED FOR MORE THAN ONE (1) DAY.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 12. <u>GUARANTEE</u>                                                                                    |
| 4.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | CONTRACTOR SHALL WATER EXISTING TREES AS NEEDED TO PREVENT SHOCK OR DECLINE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 12.1. THE LANDSCAPE CONTRACTOR SHALL GUARANTEE AI<br>APPROVING AGENCY. CONTRACTOR SHALL SUPPLY T        |
| 4.3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | MATERIAL. UTILITY COMPANIES SHALL BE CONTACTED THREE (3) DAYS PRIOR TO THE BEGINNING OF WORK.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | INSTALLATION WHICH WILL BE RELEASED AT THE CON<br>APPROVED BY THE OWNER OR AUTHORIZED REPRES            |
| 5. <u>TRE</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | E PROTECTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 12.2. ANY DEAD OR DYING PLANT MATERIAL SHALL BE REPI                                                    |
| 5.1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING TREES TO REMAIN. A TREE PROTECTION ZONE SHALL BE ESTABLISHED AT THE DRIP LINE OR AT THE LIMIT OF CONSTRUCTION DISTURBANCE, WHICHEVER IS GREATER, LOCAL STANDARDS THAT MAY REQUIRE A MORE STRICT.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | CONDUCTED AT THE FIRST SUCCEEDING PLANTING SI                                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | TREE PROTECTION ZONE SHALL BE HONORED.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 12.3. TREES AND SHRUBS SHALL BE MAINTAINED BY THE CO<br>SPECIFIED HEREIN. CULTIVATION, WEEDING, WATERII |
| 5.2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | A FORTY-EIGHT INCH (48") HIGH WOODEN SNOW FENCE OR ORANGE COLORED HIGH-DENSITY 'VISI-FENCE', OR APPROVED EQUAL, MOUNTED ON STEEL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | MATERIAL IN GOOD CONDITION AND FREE OF INSECTS                                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | CENTER OR AS INDICATED WITHIN THE TREE PROTECTION DETAIL.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 12.4. LAWNS SHALL BE MAINTAINED THROUGH WATERING, I<br>REGARDING AND REPLANTING AS REQUIRED TO ESTA     |
| 5.3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | WHEN THE TREE PROTECTION FENCING HAS BEEN INSTALLED, IT SHALL BE INSPECTED BY THE APPROVING AGENCY PRIOR TO DEMOLITION, GRADING,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 13. <u>CLEANUP</u>                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | LANDSCAPE CONTRACTOR AND MAINTAINED UNTIL ALL CONSTRUCTION ACTIVITY HAS BEEN COMPLETED.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 13.1. UPON THE COMPLETION OF ALL LANDSCAPE INSTALLA                                                     |
| 5.4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | AT NO TIME SHALL MACHINERY, DEBRIS, FALLEN TREES OR OTHER MATERIALS BE PLACED, STOCKPILED OR LEFT STANDING IN THE TREE PROTECTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | MATERIALS, EQUIPMENT AND DEBRIS FROM THE SITE.                                                          |
| 6 SOII                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | MODIFICATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 13.2. THE STELE BE CELANED AND LET THE A NEXT AND<br>14. MAINTENANCE (ALTERNATIVE BID):                 |
| 6.1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | CONTRACTOR SHALL ATTAIN A SOIL TEST FOR ALL AREAS OF THE SITE PRIOR TO CONDUCTING ANY PLANTING. SOIL TESTS SHALL BE PERFORMED BY A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 14.1. A 90 DAY MAINTENANCE PERIOD SHALL COMMENCE A                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | CERTIFIED SOIL LABORATORY.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ENSURES TO THE OWNER/OPERATOR THAT THE NEWL                                                             |
| 6.2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | LANDSCAPE CONTRACTOR SHALL REPORT ANY SOIL OR DRAINAGE CONDITIONS CONSIDERED DETRIMENTAL TO THE GROWTH OF PLANT MATERIAL. SOIL MODIFICATIONS, AS SPECIFIED HEREIN, MAY NEED TO BE CONDUCTED BY THE LANDSCAPE CONTRACTOR DEPENDING ON SITE CONDITIONS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | MAINTENANCE BID FOR A MONTHLY MAINTENANCE CO                                                            |
| 6.3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | THE FOLLOWING AMENDMENTS AND QUANTITIES ARE APPROXIMATE AND ARE FOR BIDDING PURPOSES ONLY. COMPOSITION OF AMENDMENTS SHOULD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | CONSIDERED APPROPRIATE TO ENSURE THAT PLANT                                                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | BE REVISED DEPENDING ON THE OUTCOME OF A TOPSOIL ANALYSIS PERFORMED BY A CERTIFIED SOIL LABORATORY.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                         |
| 6.3.1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | TO INCREASE A SANDY SOIL'S ABILITY TO RETAIN WATER AND NUTRIENTS, THOROUGHLY TILL ORGANIC MATTER INTO THE TOP 6-12". USE COMPOSTED BARK, COMPOSTED LEAF MULCH OR PEAT MOSS. ALL PRODUCTS SHOULD BE COMPOSTED TO A DARK COLOR AND BE FREE OF PIECES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                         |
| 6.3.1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | TO INCREASE A SANDY SOIL'S ABILITY TO RETAIN WATER AND NUTRIENTS, THOROUGHLY TILL ORGANIC MATTER INTO THE TOP 6-12". USE COMPOSTED BARK, COMPOSTED LEAF MULCH OR PEAT MOSS. ALL PRODUCTS SHOULD BE COMPOSTED TO A DARK COLOR AND BE FREE OF PIECES WITH IDENTIFIABLE LEAF OR WOOD STRUCTURE. AVOID MATERIAL WITH A PH HIGHER THAN 7.5.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                         |
| 6.3.1.<br>6.3.2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | TO INCREASE A SANDY SOIL'S ABILITY TO RETAIN WATER AND NUTRIENTS, THOROUGHLY TILL ORGANIC MATTER INTO THE TOP 6-12". USE<br>COMPOSTED BARK, COMPOSTED LEAF MULCH OR PEAT MOSS. ALL PRODUCTS SHOULD BE COMPOSTED TO A DARK COLOR AND BE FREE OF PIECES<br>WITH IDENTIFIABLE LEAF OR WOOD STRUCTURE. AVOID MATERIAL WITH A PH HIGHER THAN 7.5.<br>TO INCREASE DRAINAGE, MODIFY HEAVY CLAY OR SILT (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED PINE BARK (UP TO 30% BY VOLUME)<br>AND/OR AGRICULTURAL GYPSUM. COARSE SAND MAY BE USED IF ENOUGH IS ADDED TO BRING THE SAND CONTENT TO MORE THAN 60% OF THE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                         |
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| <ul> <li>6.3.1.</li> <li>6.3.2.</li> <li>6.3.3.</li> <li>7. <u>FINI</u>:</li> <li>7.1.</li> <li>7.2.</li> <li>7.3.</li> <li>7.4.</li> <li>8. <u>TOP</u></li> <li>8.1.</li> <li>8.2.</li> <li>8.3.</li> <li>8.4.</li> <li>8.4.1.</li> <li>8.4.2.</li> <li>8.5.</li> <li>9. <u>PLAI</u></li> <li>9.1.</li> </ul>                                                                                                                                                                                                     | To INCREASE A SANDY SOL'S ABILITY TO RETAIN WATER AND NUTRIENTS, THOROUGHLY TILL ORGANIC MATTER INTO THE TOP 6-12'. USE<br>COMPOSTED DARK, COMPOSTED LEAF MULCH OR PEAT MOSS. ALL PRODUCTS SHOLL DE COMPOSTED TO A DARK COLOR AND BE FREE OF PIECES<br>WITH IDENTIFIABLE LEAF OR WOOD STRUCTURE. AVOID MATERIAL WITH A PH HIGHER THAN 7.5.<br>TO INCREASE DRAINAGE, MODIFY HEAVY CLAY OR SILT MODE THAN 40% CLAY OR SILT BY ADDING COMPOSTED PINE BARK (UP TO 30% BY VOLUME)<br>ANDRE ARCICULTURAL GYPSUIN. COARSE SAND MAY BEE USED IF ENOUGH IS ADDED TO BRING THE SAND CONTENT TO MORE THAN 40% OF THE<br>TOTAL MIX. SUBSURFACE DRAINAGE LINES MAY NEED TO BE ADDED TO INCREASE DRAINAGE.<br>MODIFY EXTREMELY SANDY SOILS (MORE THAN 85%) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL<br>MIX.<br>SHED GRADING<br>UNLESS OTHERWISE CONTRACTED, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF TOPSOIL AND THE<br>ESTABLISHMENT OF FINE-GRADING WITHIN THE DISTURBANCE AREA OF THE SITE.<br>LANDSCAPE CONTRACTED, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF TOPSOIL AND THE<br>ESTABLISHMENT OF FINE-GRADING WITHIN THE DISTURBANCE AREA OF THE SITE.<br>LANDSCAPE CONTRACTOR, SHALL VERIFY THAT SUBGRADE FOR INSTALLATION OF TOPSOIL HAS BEEN ESTABLISHED. THE SUBGRADE OF THE SITE MUST<br>MEET THE FINISHED GRADE LESS THE RECURRED TOPSOIL THICKNESS (1*).<br>ALL LAWA AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN AND UNFORM PLANE WITH NO ABRUPT CHANGE OF SURFACE AS DEPICTED<br>WITHIN THIS SET OF CONSTRUCTION PLANS. UNLESS OTHERWINSE DIRECTED BY THE PROJECT ENGINEER OR LANDSCAPE ARCHITECT.<br>ALL LAWA AND PLANTING BEGS.<br>SOLLING<br>CONTRACTOR SHALL PROVIDE A 6 <u>T</u> THICK MINIMUM LAYER OF TOPSOIL, OR AS DIRECTED BY THE LOCAL ORDINANCE OR CLIENT, IN ALL PLANTING BREAS.<br>TOPSOIL SHOULD BE SPREAD OVER A PREPARED SURFACE IN A UNIFORM LAYER TO ACHIEVE THE DESIRED COMPACTED THICKNESS.<br>ON-SITE TOPSOIL MAY BE USED TO SUPPLEMENT THE TOTAL AMOUNT REQUIRED. TOPSOIL FROM THE SITE MAY BE REJECTED IF IT HAS NOT BEEN<br>PROPERY. TREMOVED, STORCE AND MONTRING AGE   |                                                                                                         |
| <ul> <li>6.3.1.</li> <li>6.3.2.</li> <li>6.3.3.</li> <li>7. <u>FINI:</u></li> <li>7.1.</li> <li>7.2.</li> <li>7.3.</li> <li>7.4.</li> <li>8. <u>TOP</u></li> <li>8.1.</li> <li>8.2.</li> <li>8.3.</li> <li>8.4.</li> <li>8.4.1.</li> <li>8.4.2.</li> <li>8.5.</li> <li>9. <u>PLAI</u></li> <li>9.1.</li> </ul>                                                                                                                                                                                                     | TO INCREASE A SAMOY SOILS ABILITY TO RETAW WATER AND NUTRIENTS, THOROUGHLY TILL ORGANIC MATTER INTO THE TOP 6.12'. USE<br>COMPOSTED BARK, COMPOSTED LEAF MULCH OR PEAT MOSS, ALL PRODUCTS SHOUDD BE COMPOSTED TO A DARK COLOR AND BE FREE OF PIECES<br>WITH IDENTIFIABLE LEAF OR WOOD STRUCTURE. AVOID MATERIAL WITH A PH HIGHER THAN 7.5.<br>TO INCREASE DRAINAGE, MODIFY HEAVY CLAY OR SILT (MORE THAN 49K) CLAY OR SILT JPY ADDING COMPOSTED FINE BARK (UP TO 30% BY VOLUME)<br>AND/OR AGRICULTURAL CYSINU. COARSE SAND MY BE USED IDE FONGIGH IS DADED TO BINN THE SAND CONTENT TO MORE THAN 80% OF THE<br>TOTAL MIX. SUBSURFACE DRAINAGE LINES MAY NEED TO BE ADDED TO INCREASE DRAINAGE.<br>MODIFY EXTREMELY SANDY SOILS (MORE THAN 85%) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL<br>MIX.<br>SHED GRADING<br>UNLESS OTHERWISE CONTRACTED, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF TOPSOIL AND THE<br>ESTALLISMENT OF FINE-GRADING WITHIN THE DISTURBANCE AREA OF THE STE.<br>LANDSCAPE CONTRACTED, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF TOPSOIL AND THE<br>ESTALLISMENT OF FINE-GRADING WITHIN THE DISTURBANCE AREA OF THE STE.<br>LANDSCAPE CONTRACTED, THAT SUBGRADE FOR INSTALLATION OF TOPSOIL HAS BEEN ESTABLISHED. THE SUBGRADE OF THE SITE MUST<br>MEET THE FINISHED GRADE LESS THE REQUIRED TOPSOIL THICKNESS (1*.).<br>ALL LAW AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN AND UNFORM PLANE WITH NO ABRUPT CHANGE OF SURFACE AS DEPICTED<br>WITHIN THIS SET OF CONSTRUCTION PLANS, UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER OR LANDSCAPE ARCHITECT.<br>ALL LAWAN AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN AND UNFORM PLANE WITH NO ABRUPT CHANGE OF SURFACE AS DEPICTED<br>WITHIN THIS SET OF CONSTRUCTION PLANS, UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER OR LANDSCAPE ARCHITECT.<br>ALL LAWAN AREAS AREAL USED AD MAINTAINED TO A LLOW FREE FLOW OF SURFACE WATER IN AND AROUND THE PLANTING BEES.<br>SOLUNG<br>CONTRACTOR SHALL PROVIDE A <u>9</u> "HICKNESS (1*.).<br>ALL LAWAN AREAS ARE TO BE COUNDED A SUMMERTING AREAS.<br>TOPSOIL SH |                                                                                                         |
| <ul> <li>6.3.1.</li> <li>6.3.2.</li> <li>6.3.3.</li> <li>7. <u>FINI</u></li> <li>7.1.</li> <li>7.2.</li> <li>7.3.</li> <li>7.4.</li> <li>8. <u>TOP</u></li> <li>8.1.</li> <li>8.2.</li> <li>8.3.</li> <li>8.4.</li> <li>8.4.1.</li> <li>8.4.2.</li> <li>8.5.</li> <li>9. <u>PLAI</u></li> <li>9.1.</li> <li>9.2.</li> </ul>                                                                                                                                                                                        | TO INCREASE A SAMOY SOLES ABLETY TO RETAW WATER AND NUTRIENTS, THOROUGHLY TILL ORGANIC MATTER INTO THE TOP 6.12'. USE<br>COMPOSTED BARK, COMPOSTED LEAF MUCH OR PEAT MOSS, ALL PRODUCTS SHOULD BE COMPOSTED TO A DARK COLOR AND BE FREE OF PIECES<br>WITH IDENTIFIABLE LEAF OR WOOD STRUCTURE. AVOID MATERIAL WITH A PH HIGHER THAN 7.5.<br>TO INCREASE DRAINAGE, MODIFY HEAVY CLAY OR SILT JW ADDING COMPOSTED TO A DARK COLOR AND BE FREE OF PIECES<br>WITH IDENTIFIABLE LEAF OR WOOD STRUCTURE. AVOID MATERIAL WITH A PH HIGHER THAN 7.5.<br>TO INCREASE DRAINAGE, MODIFY HEAVY CLAY OR SILT JW ADDING COMPOSTED TO IN DEARK (UP TO 30% BY VOLUME)<br>AND/OR ARCIULTURAL CAYSING. COARSE SAMO MAY BE USED IN ENOUGH IS ADDED TO RING THE SAND CONTENT TO MORE THAN 80% OF THE<br>TOTAL MIX. SUBSURFACE DRAINAGE LINES MAY NEED TO BE ADDED TO INCREASE DRAINAGE.<br>MODIFY EXTREMELY SANDY SOILS (MORE THAN 85%) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL<br>MIX.<br>SHED GRADING<br>UNLESS OTHERWISE CONTRACTED, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF TOPSOIL AND THE<br>ESTABLISHINET OF FINE-GRADING WITHIN THE DISTURBANCE AREA OF THE SITE.<br>LANDSCAPE CONTRACTED, SHALL YERFY THAT SUBGRADE FOR INSTALLATION OF TOPSOIL HAS BEEN ESTABLISHED. THE SUBGRADE OF THE SITE MUST<br>MEET THE FINISHED GRADE LESS THE REQUIRED TOPSOIL THICKNESS (1°±).<br>ALL LAWN AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN AND UNFORM PLANE WITH NO ABRUPT CHANGE OF SURFACE AS DEPICTED<br>WITHIN THIS SET OF CONSTRUCTION PLANS, UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER OR LANDSCAPE ARCHITECT.<br>ALL LAWN AND PLANTING AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW FREE FLOW OF SURFACE WATER IN AND AROUND THE PLANTING BEDS.<br>SOULING<br>CONTRACTOR SHALL PROVIDE A <u>5</u> THICK MINIMUM LAYER OF TOPSOIL, OR SURFECTED BY THE ROLAL CONDINANCE OR CLEINT, IN ALL PLANTING BREAS.<br>TOPSOIL SHOULE BE SPREAD AND MAINTAINED TO A LUNF ORM LAYER TO ACHIEVE THE DESIRED COMPACED THICKNESS.<br>ON SITE TOPSOIL MAY BE USED TO SUPLEMENT THE TOTAL AMOUNT REQUIRED. TOPSOIL FROM THE SITE MAY BE R       |                                                                                                         |
| <ul> <li>6.3.1.</li> <li>6.3.2.</li> <li>6.3.3.</li> <li>7. FINIT</li> <li>7.1.</li> <li>7.2.</li> <li>7.3.</li> <li>7.4.</li> <li>8. TOP</li> <li>8.1.</li> <li>8.2.</li> <li>8.3.</li> <li>8.4.</li> <li>8.4.1.</li> <li>8.4.2.</li> <li>8.5.</li> <li>9. PLAI</li> <li>9.1.</li> <li>9.2.</li> <li>9.3.</li> </ul>                                                                                                                                                                                              | To INCREASE A SAMUY SOLES ABILITY TO RETAIN WATER AND NUTREINTS, THOROUGHLY TILL ORGANIC MATTER INTO THE TOP 6-12'. USE<br>COMPOSTED DARK COMPOSTED LAFA MULCH OR PEAT MOSS. ALL PRODUCTS SHOULD BE COMPOSTED TO A DARK COLOR AND BE FREE OF PIECES<br>WITH IDENTIFIABLE LAF OR WOOD STRUCTURE. AVOID MATERIAL WITH A PH HIGHER THAN 7.5.<br>TO INCREASE DRAINAGE. MODIFY HEAVY CLAY OR SILT (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED PINE BARK (UP TO 30% BY VOLUME)<br>AND/OR ADRICULTURAL GYPOUM. COARSE SAND MAY BE USED FENDIGHT S AND/OR DT RE SAND CONTENT TO MORE THAN 80% OF THE<br>TOTAL MIX. SUBSURFACE DRAINAGE. LINES MAY NEED TO BE ADDED TO INCREASE DRAINAGE.<br>MODIFY EXTREMELY SANDY SOLES (MORE THAN 85%) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL<br>MIX.<br>SHED GRADINE<br>UNLESS OTHERWISE CONTRACTED. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF TOPSOL AND THE<br>ESTABLISHMENT OF FINE-GRADING WITHIN THE DISTURBANCE AREA OF THE SITE.<br>LANDSCAPE CONTRACTED. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF TOPSOL AND THE<br>ESTABLISHMENT OF FINE-GRADING WITHIN THE DISTURBANCE AREA OF THE SITE.<br>LANDSCAPE CONTRACTED. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF TOPSOL AND THE<br>ESTABLISHMENT OF FINE-GRADING USED INTERCINES (1*).<br>ALL LANTING AREAS SHALL BE GRADED TO A SMOOTH EVEN AND UNFORM PLANE WITH NO ABBUT FIANDEO OF SURFACE AS DEPICTED<br>WITHIN THIS SET OF CONSTRUCTION PLANS, UNLESS OTHERWISE DIRECTED BY THE POLICET ENGINEER OR LANDSCAPE ARCHITECT .<br>ALL LANTING AREAS SHALL BE GRADED AND MANTAINED TO ALLOW FREE FLOW OF SURFACE WATER IN AND AROUND THE PLANTING BEDS.<br>SOLING<br>CONTRACTOR SHALL PROVIDE A 6", THICK MINIMUM LAYER OF TOPSOL, OR AS DIRECTED BY THE LOCAL ORDINANCE OR CLIENT, IN ALL PLANTING BEDS.<br>SOLING<br>CONTRACTOR SHALL PROVIDE A 6", THICK MINIMUM LAYER OF TOPSOL, OR AS DIRECTED BY THE LOCAL ORDINANCE OR CLIENT, IN ALL PLANTING BEDS.<br>SOLING<br>CONTRACTOR SHALL PROVIDE A 6", THICK MINIMUM LAYER OF TOPSOL, OR AS DIRECTED BY THE LOCAL ORDINANCE OR C      |                                                                                                         |
| <ul> <li>6.3.1.</li> <li>6.3.2.</li> <li>6.3.3.</li> <li>7. <u>FINI:</u></li> <li>7.1.</li> <li>7.2.</li> <li>7.3.</li> <li>7.4.</li> <li>8. <u>TOP</u></li> <li>8.1.</li> <li>8.2.</li> <li>8.3.</li> <li>8.4.</li> <li>8.4.1.</li> <li>8.4.2.</li> <li>8.5.</li> <li>9. <u>PLAI</u></li> <li>9.1.</li> <li>9.2.</li> <li>9.3.</li> <li>9.4</li> </ul>                                                                                                                                                            | TO INCREASE A SAMOV SOLES ABILITY TO RETAIN WATER AND NUTRIENTS, THOROUGHLY TILL ORGANIC MATTER NITO THE TOP 6-12'. USE<br>COMPOSTED DARK, COMPOSTED LARA MULCH OR PEAT MOSS. ALL PRODUCTS SHOULD BE COMPOSTED TO A DARK COLOR AND BE FREE OF PIECES<br>WITH IDENTIFIABLE LAF OR WOOD STRUCTURE. AVOID MATERIAL WITH A PH HIGHER THAN 7.5.<br>TO INCREASE DRAINAGE, MODIFY HEAVY CLAY OR SILT [IMORE THAN 40% CLAY OR SILT] BY ADDING COMPOSTED PINE BARK (UP TO 30% BY VOLUME)<br>AND/OR AGRICULTURAL GYPOUN COARSE SAND MAY BE USED FE HOUGHLS ADDID TO RRING THE SAND CONTENT TO MORE THAN 80% OF THE<br>TOTAL MX. SUBSUFFACE DRAINAGE LINES MAY NEED TO BE ADDED TO INCREASE DRAINAGE.<br>MODIFY EXTREMELY SANDY SOLES, (MORE THAN 85%) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL<br>MIX.<br>SHED GRADINE<br>MULESS OTHERWISE CONTRACTED, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF TOPSOL AND THE<br>ESTABLISHMENT OF FINE-GRADING WITHIN THE DISTURBANCE AREA OF THE STEE.<br>LANDSCAPE CONTRACTOR SHALL VERITY THAT SUBGRADE FOR INSTALLATION OF TOPSOL HAS BEEN ESTABLISHED. THE SUBGRADE OF THE SITE MUST<br>MEET THE FINISHED GRADIL CESS THE REQUIRED TO DOIL THANCRESS (1%).<br>ALL LAWN AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN AND UNFORM PLAKE WITH NO ABRUPT CHANGE OF SURFACE AS DEPICTED<br>WITHIN THIS SET OF CONSTRUCTION PLANS, UNLESS OTHERWISE DIRECTED BY THE PROJECT EMISTER ON ADOILOD F LAND THE SITE MAY BE RELECTED IN<br>ALL LAWNS AND REAKS SHALL BE GRADED AD A MINTAINED TO ALLOW FREE FLOW OF SURFACE WATER IN AND AROUND THE PLANTING BEDS.<br>SOLING<br>CONTRACTOR SHALL PROVIDE A <u>6</u> , THICK MINIMUM LAYER OF TOPSOL. OR AS DIRECTED BY THE LOCAL ORDINANCE OR CLIENT, IN ALL PLANTING BEDS.<br>SOLING<br>CONTRACTOR SHALL PROVIDE A <u>6</u> , THICK MINIMUM LAYER OF TOPSOL. OR AS DIRECTED BY THE LOCAL ORDINANCE OR CLIENT, IN ALL PLANTING BEDS.<br>SOLING<br>CONTRACTOR SHALL PROVIDE A <u>6</u> , THICK MINIMUM LAYER OF TOPSOL. OR AS DIRECTED BY THE LOCAL ORDINANCE OR CLIENT, IN ALL PLANTING BEDS.<br>SOLING<br>CONTRACTOR SHALL PROVIDE A <u>6</u> , THICK MINIMUM |                                                                                                         |
| 6.3.1.<br>6.3.2.<br>6.3.3.<br>7. <u>FINIE</u><br>7.1.<br>7.2.<br>7.3.<br>7.4.<br>8. <u>TOP</u><br>8.1.<br>8.2.<br>8.3.<br>8.4.<br>8.4.1.<br>8.4.2.<br>8.5.<br>9. <u>PLAI</u><br>9.1.<br>9.2.<br>9.3.<br>9.4.                                                                                                                                                                                                                                                                                                       | TO INCREASE A SAMOV SOL'S ABILITY TO RETAIN WATER AND NUTRIENTS, THOROUGHLY TILL ORGANIC MATTER INTO THE TOP 6-12°. USE<br>COMPOSTED DARK, COMPOSTED LEAR MULCH OR PEAT MOSS. ALL PRODUCTS SHOULD BE COMPOSTED TO A DARK COLOR AND BE FREE OF PIECES<br>WITH IDENTIFIABLE LEAF OR WOOD STRUCTURE. AVOID MATERIAL WITH A PH HIGHER THAN 7.5.<br>TO INCREASE DRAINAGE, MODIFY HEAVY CLAY OR SUIT IMORE THAN 49%, CLAY OR SUIT JS ADDING COMPOSTED PINE BARK (UP TO 30%, BY VOLUME)<br>AND/OR AGRICULTURAL, GYPSUM, COARSE SAMO MAY BE USED FEMOLIGH IS ADDED TO BRING THE SAMO CONTENT TO MORE THAN 60%, OF THE<br>TOTAL MIX. SUBSTRACE DRAINAGE LINES MAY NEED TO BE ADDED TO INCREASE DRAINAGE.<br>MODIFY EXTREMELY SAMDY SOL'S (MORE THAN 85%) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30%, OF THE TOTAL<br>MIX.<br>SHED GRADING<br>UNLESS OTHERWISE CONTRACTED, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF TOPSOL AND THE<br>ESTABLISHMENT OF FINE-GRADING WITHIN THE DISTURBANCE AREA OF THE STRL.<br>LANDSCAPE CONTRACTOR, SHALL PERFY THAT SUBRAPACE AREA OF THE STRL.<br>LANDSCAPE CONTRACTOR SHALL UPERIFY THAT SUBRAPACE AREA OF THE STRL.<br>LANDSCAPE CONTRACTOR SHALL UPERIFY THAT SUBRAPACE AREA OF THE STRL.<br>LANDSCAPE CONTRACTOR SHALL UPERIFY THAT SUBRAPACE AREA OF THE STRL.<br>LANDSCAPE CONTRACTOR SHALL UPERIFY THAT SUBRAPACE SO THERWISE LICETOR STHE REDUCTE DISTURE OR LANDSCAPE ACCHINE<br>THE FINISHED GRADE LESS THE REQUIRED TO A SMOOTH, EVEN AND UNFORM PLANE WITH NO ABRUPT CHANCE OF SURFACE AS DEPICTED<br>WITHIN THIS STRL STRL AND AREAS SHALL BE GRADED TO A SMOOTH, EVEN AND UNFORM PLANE WITH NO ABRUPT CHANCE OF SURFACE AS DEPICTED<br>WITHIN THIS STRL STRL AND ADMINITINED TO ALLOW FREE FLOW OF SURFACE WATER IN AND ACOUND THE PLANTING BEDS.<br>SOLING<br>CONTRACTOR SHALL BROWNED A PERFARED SURFACE ON AD MAINTAINED TO ALLOW FREE FLOW OF SURFACE WATER IN AND ACOUND THE PLANTING BEDS.<br>SOLING<br>CONTRACTOR SHALL BE REMITTED IN PLANTING BEDS.<br>SOLING<br>CONTRACTOR SHALL BE ORDED TO SUPPLEMENT THE TOTAL MOUNT REQUERE TO ACHIEVE THE ADDIA OR ADACULETING ALLOWARD AND CULTIVATION SHA   |                                                                                                         |
| 6.3.1.<br>6.3.2.<br>6.3.3.<br>7. <u>FINIS</u><br>7.1.<br>7.2.<br>7.3.<br>7.4.<br>8. <u>TOP</u><br>8.1.<br>8.2.<br>8.3.<br>8.4.<br>8.4.1.<br>8.4.2.<br>8.3.<br>9. <u>PLAI</u><br>9.1.<br>9.2.<br>9.3.<br>9.4.<br>9.5.                                                                                                                                                                                                                                                                                               | TO INCREASE A SARDY SOLES ABLITY TO RETAIN WATER AND NUTRENTS, THOROUGHY TILL ORGANIC MATTER INTO THE TOP 6-12". USE<br>COMPOSITE DARK, COMPOSITE LAF MULCION PEAT MOSS. ALL PRODUCTS SHOLDE E COMPOSITE DA DARK COLOR AND BE FREE OF PIECES<br>WITH DENTIFIABLE LAR OR WOOD STRUCTURE. AVOID MATERIAL WITH A PHI HIGHER THAN 7.5.<br>TO INCREASE DRAINGE, MOODY HEAVY CLAY OR SILT MORE THAN 40%, CLAY OR SILT DIP ADDING COMPOSITED PINE BARK (UNF TO 3%), BY VOLUME)<br>AND/OR AGRICULTURAL GYRSIUM. COABSE SAND MAY BE USED IF ENOLGH IS ADDED TO BRAID THE SAND CONTENT TO MORE THAN 6%), OF THE<br>TOTAL MIX. SUBSURFACE DRAINAGE UNES MAY NEED TO BE ADDED TO INCREASE DRAINAGE.<br>MODIFY EXTREMELY SANDY SOLES (MORE THAN 8%) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 3%, OF THE TOTAL<br>MIX.<br>MEED GRADING<br>UNLESS OTHERWISE CONTRACTED, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF TOPSOL AND THE<br>ESTABLISMENT OF FING GRADIE LISS THE REQUIRED TOPSOL THAN 8%? (14).<br>ALL UNN AND PUNTATOR TO SHALL LEVENTY THAT SUBGRADE FOR INSTALLATION OF TOPSOL HAS BEEN ESTABLISHED. THE SUBGRADE OF THE SITE<br>MUST THE FINISHED GRADE LISS THE REQUIRED TOPSOL THORNES (1%).<br>ALL LAWN AND PUNTATOR TOR SHALL HE GRADED TO A SMOOTT EVENT HAN DUNFORM HAND HAVE WITH NO ABRUPT CHANGE OF SURFACE AS DEPICTED<br>WITHIN THIS SET OF CONSTRUCTION PLANS, UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER OR LANDSCAPE CANDED AND<br>WATER SHALL NOT BE FERMINEED TOPSOL. THORNES (1%).<br>ALL LAWN AND FARES SHALL BE GRADED AND MAINTAINED TO ALLOW FREE FLOW OF SURFACE WATER IN AND AROUND THE PLANTING BEES. STANDING<br>WATER SHALL NOT BE FERMINEED TOPSOL. THORNES (1%).<br>ALL LAWN AND FOR PROVED AD THAT THE TOTAL AMOUNT REQUIRED TOPSOL FROM THE SITE MAY BE REJECTED FIT HAS NOT BEEN<br>PROPERLY REMOVED, STORED DAN PROTECTOP PROVE DA COMONATION THE LOCAL, ORDINANCE OR CLENT, IN ALL PLANTING BEES.<br>STOLLING<br>COMTRACTOR SHALL DROVED A PERTONE OF DISON HAND HARE TO A CHIEVE THE DESINED COMPACTE DISONCHES.<br>STOLLING<br>COMTRACTOR SHALL DROVED A PERTONE OF DISONCHES HAVEN THE ROLECTED BY THE LOC      |                                                                                                         |
| <ul> <li>6.3.1.</li> <li>6.3.2.</li> <li>6.3.3.</li> <li>7. <u>FINI</u>:</li> <li>7.1.</li> <li>7.2.</li> <li>7.3.</li> <li>7.4.</li> <li>8. <u>TOP</u></li> <li>8.1.</li> <li>8.2.</li> <li>8.3.</li> <li>8.4.</li> <li>8.4.1.</li> <li>8.4.2.</li> <li>8.3.</li> <li>8.4.</li> <li>8.4.1.</li> <li>8.4.2.</li> <li>8.5.</li> <li>9. <u>PLAI</u></li> <li>9.1.</li> <li>9.2.</li> <li>9.3.</li> <li>9.4.</li> <li>9.5.</li> <li>9.6</li> </ul>                                                                    | TO INCREASE A SANOY SOLDS ABILITY TO RETAIN WATER AND NUTRENTS, THOROUGHY TILL ORGANIC MATTER INTO THE TOP 6-12". USE<br>COMPOSITE DARK, COMPOSITE LEAF MILL ON PEAT MOSS. ALL PRODUCTS SHOULD BE COMPOSITE TO A DARK COLOR AND BE FREE OF PIECES<br>WITH IDENTIFIABLE LEAF OR WOOD STRUCTURE. AVOID MATERIAL WITH A PH HIGHER THAN 7.5.<br>TO INCREASE DRAINGE, MOONT PLAYN CLAY OR SILT MORE THAN WO, CLAY OR SILT DY ADDING COMPOSITED INKE BARK (LUP TO 3%), BY VOLUME)<br>AND/OR AGRICULTURAL GYPBJIN. COARSES SAND MAY BE USED IF ENOUGH IS ADDED TO BRING THE SAND CONTENT TO MORE THAN 8%), OF THE<br>TOTAL MIX. SUBJURFACE DRAINAGE LINES MAY NEED TO BE ADDED TO INCREASE DRAINAGE.<br>MODITY EXTERNIELY SANDY SOLDS, MORE THAN 8%), BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30%, OF THE TOTAL<br>MIX.<br>SHED GRADING<br>UNLESS OTHERWISE CONTRACTOR, THAN 18%), BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30%, OF THE TOTAL<br>MIX.<br>SHED GRADING<br>UNLESS OTHERWISE CONTRACTOR, THAN 18%, BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30%, OF THE STRU<br>LINDSCAPE CONTRACTOR SHALL VERY THAT SUBGRADE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF TOPSOL AND THE<br>ESTABLISHMENT OF FINE GRADING WITHIN THE DISTURBANCE AREA OF THE STE.<br>LINDSCAPE CONTRACTOR SHALL VERY THAT SUBGRADE FOR INSTALLATION OF TOPSOL HAS BEEN ESTABLISHED. THE SUBGRADE OF THE SITE MUST<br>MEET THE FINISHED GRADE LESS THE REQUIRED TOPSOL. THICKNESS (1*).<br>ALL LAWNA NID PLANTING AREAS SHALL BE GRADED TO SANOTH, EVEN HAD DUNFORM LAYER THAN AND AROUND THE PLANTING AREAS.<br>SOLING<br>CONTRACTOR SHALL PROVIDE A 5' THICK MINIMUM LAYER OF TOPSOL, GR AS DIRECTED BY THE LOCAL ORDINANCE OR CLIENT, IN ALL PLANTING AREAS.<br>SOLING<br>CONTRACTOR SHALL PROVIDE A 5' THICK MINIMUM LAYER OF TOPSOL, GR AS DIRECTED BY THE LOCAL ORDINANCE OR CLIENT, IN ALL PLANTING AREAS.<br>SOLING<br>CONTRACTOR SHALL PROVIDE A 5' THICK MINIMUM LAYER OF TOPSOL, FROM THE DAGLO RODINANCE OR CLIENT, IN ALL PLANTING BEEN<br>PROPERLY REMOVED. STORED DAWNE RENT THE TOTAL AMOUNT REQUINED LAYER TO ACHIEVE THE DESIDECOMP   |                                                                                                         |
| <ul> <li>6.3.1.</li> <li>6.3.2.</li> <li>6.3.3.</li> <li>7. FINIT</li> <li>7.1.</li> <li>7.2.</li> <li>7.3.</li> <li>7.4.</li> <li>8. TOP</li> <li>8.1.</li> <li>8.2.</li> <li>8.3.</li> <li>8.4.</li> <li>8.4.1.</li> <li>8.4.2.</li> <li>8.3.</li> <li>8.4.</li> <li>8.4.1.</li> <li>8.4.2.</li> <li>8.5.</li> <li>9. PLAI</li> <li>9.1.</li> <li>9.2.</li> <li>9.3.</li> <li>9.4.</li> <li>9.5.</li> <li>9.6.</li> </ul>                                                                                        | TO INDREASE A SAMDY SOLES ABILITY TO RETAIN WATER AND NUTRIENTS, THOROUGHLY TILL ORGANIC MATTER INTO THE COP FIZE. USE<br>COMMOSTED BARK COMPOSED LEAF MULCI-D RETAIN USES ALL PARTINGS. LL PRODUCTS SHOULDE GOMPOSTED TO A DARK COLOR AND BE FREE OP FICES<br>WITH IDENTIFIABLE LEAF OR WOOD STRUCTURE. AVIOD MATERIAL WITH A PH HORER THAN 7.5.<br>TO INDERASE DRAINGE, MOUNDAL CYPSUM COARSE SAND MAY BE USED FENDIGHTS KOLOW OS LLT PAY ADDING CONFOSTED PINE BARK (UP TO 30; BY VOLUME)<br>MIDDER AGRICULTURAL CYPSUM COARSE SAND MAY BE USED TO ENDED TO DERING THE SAND CONTENT TO MORE THAN 80% OF THE<br>TOTAL MIX. SUBJERACE DEMANGE LINES MAY HOUSE TO TO RECEASE DRAINAGE.<br>MODIFY EXTREMELY SANDY SOLLS (MORE THAN 85%) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL<br>MIX.<br>SHEED GRADING<br>UNLESS OTHERWISE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF TOPSOL AND THE<br>ESTABLISHMENT OF FIR-GRADING UNTIL THE LINDRGAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF TOPSOL AND THE<br>ESTABLISHMENT OF FIR-GRADING UNTIL THAT SUBGRADE FOR INSTALLATION OF TOPSOL HAS BEEN ESTABLISHED. THE SUBGRADE OF THE SITE<br>ALLAWA NON PUNNTING AKES SHALL BE GRADED TO ALLOW FREE FIC.<br>LLANSCAPE CONTRACTOR SHALL VERIFY THAT SUBGRADE FOR INSTALLATION OF TOPSOL HAS BEEN ESTABLISHED.<br>THE FINISHED GRADE LESS THE REQUIRED TOPSOL. THICKNESS (1%).<br>ALLAWA NON PUNNTING AKES SHALL BE GRADED TO ALLOW FREE FIC.<br>UNTIN THIS SET OF CONSTRUCTION FLAMS, UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER OR LANGSCAPE ACHTECT.<br>ALL LAWA NON PUNNTING AKES SHALL BE GRADED TO ALLOW FREE FLOW OF SUBFACE WATER IN AND AROUND THE PLANTING BEDS. STANDING<br>WATER SHALL NOT BE PERMITTED IN PLANTING BEDS.<br>STANDING<br>WATER SHALL NOT BE REMOVED A METANED TO ALLOW FREE FLOW OF SUBFACE WATER IN AND AROUND THE PLANTING BERS.<br>STORIED TO ROUTING SHALL NOT BE ADVIND AND AND AND AND AND AND AND AND AND A   |                                                                                                         |
| <ul> <li>6.3.1.</li> <li>6.3.2.</li> <li>6.3.3.</li> <li>7. FINI:<br/>7.1.</li> <li>7.2.</li> <li>7.3.</li> <li>7.4.</li> <li>8. TOP</li> <li>8.1.</li> <li>8.2.</li> <li>8.3.</li> <li>8.4.</li> <li>8.4.1.</li> <li>8.4.2.</li> <li>8.5.</li> <li>9. PLAI</li> <li>9.1.</li> <li>9.2.</li> <li>9.3.</li> <li>9.4.</li> <li>9.5.</li> <li>9.6.</li> </ul>                                                                                                                                                         | TO INDREASE A SMADLY SOLES ABILITY TO RETAIN WATER AND NUTRIENTS, THOROUGHLY TILL ORGANIC MATTER INTO THE FOR FIGURE SMADL BARK COMPOSITED DATA DARK COLOR AND BE FREE OF PIECES WITH IDENTIFICABLE LEAF OR WOOD STRUCTURE. AVIOD MATERIAL WITH A PHILIGHER THAN 7.5. TO INDREASE DRAIK COMPOSITED PAGE DARK (DUR OD STRUCTURE. AVIOD MATERIAL WITH A PHILIGHER THAN 7.5. TO INDREASE DRAIK COMPOSITED PAGE DARK (DUR OD STRUCTURE. AVIOD MATERIAL WITH A PHILIGHER THAN 7.5. TO INDREASE DRAIK (DUR OD SUB VIOLUME) AND/OR AGRICULTURAL CYPSUM COARSE SAND MAY EGUSED FENDIGHER ON CLAYOR SUIT PAGE DARD CONTENT TO MORE THAN 50% OF THE TOTAL MAX. SUBJERACE DRAINAGE LINES AND VAY EGUSED TO REASE FERMANCE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                         |
| 6.3.1.<br>6.3.2.<br>6.3.3.<br>7. <u>FINIE</u><br>7.1.<br>7.2.<br>7.3.<br>7.4.<br>8. <u>TOP</u><br>8.1.<br>8.2.<br>8.3.<br>8.4.<br>8.4.1.<br>8.4.2.<br>8.5.<br>9. <u>PLAI</u><br>9.1.<br>9.2.<br>9.3.<br>9.4.<br>9.5.<br>9.6.                                                                                                                                                                                                                                                                                       | TO INCREASE A SAMDY SOILS ABILITY TO RETAIN WATER AND NUTRIENTS, THORQUICES HOULDES COMPOSITED TO A DARK COLOR AND BE FREE OF PIECES WITH DENTRIABLE LEAK OR WOOD STRUCTURE. AVOID MATERIAL WITH A PH HOLER THAN 7.6. TO INCREASE POINTAGE, MOYON SOILS ABILITY TO RETAIN WATER AND NUTRIENTS, THORQUICYS SHOULDES COMPOSITED TO A DARK COLOR AND BE FREE OF PIECES WITH DENTRIABLE LEAK OR WOOD STRUCTURE. AVOID MATERIAL WITH A PH HOLER THAN 7.6. TO INCREASE POINTAGE. MOYON SOILS (MORE THAN 5%) BY ADDING CONDENT O BRING THE SAND CONTENT TO MORE THAN 6%) OF THE TOTAL MX. SUBJERACE DEBRANCE LINES MAY BE USED TO BE ADDIE TO DERING THE SAND CONTENT TO MORE THAN 6%) OF THE TOTAL MX. SHED GRADINS UNLESS OTHERWISE CONTRACTOR THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF TOPSOL AND THE ESTABLISHIENT OF FING GRADINE KERT THAT SUBGRADE FOR INSTALLATION OF TOPSOL HAS BEEN ESTABLISHED. THE SUBGRADE OF THE SITE LANDSCAPE CONTRACTOR SHALL VERY THAT SUBGRADE FOR INSTALLATION OF TOPSOL HAS BEEN ESTABLISHED. THE SUBGRADE OF THE SITE ALLAWN AND PLAYTING AREAS SHALL BE GRADED TO A SMOOTH EVEN HAD UNFORM PLANE WITH NO ABRUPT CHANGE OF SURFACE AS DEPICTED WITHIN THIS STO CONTRACTOR SHALL VERY THAT SUBGRADE FOR INSTALLATION OF TOPSOL HAS BEEN ESTABLISHED. THE SUBGRADE OF THE SITE ALLAWN AND PLAYTING AREAS SHALL BE GRADED TO A SMOOTH EVEN HAD UNFORM PLANE WITH NO ABRUPT CHANGE OF SURFACE AS DEPICTED WITHIN THIS STO CONTRACTOR SHALL VERY THAT SUBGRADE FOR INSTALLATION OF TOPSOL HAS BEEN ESTABLISHED. THE SUBGRADE OF THE SITE MEET THE FINAHED GRADED DIA MAINTANE DA AUXIONT HE VERY THAT SHALLAND AROUND THE PLANTING BEDS. STANDING WITTE SHALL NOT BE PREMINED AND MAINTANE TO A AUXIONT REVELVE AND MENDING THE AUXIONT HE PLANTING BEDS. STANDING WITTE SHALL NOT BE PREMINED AND AUXIONT HAVE AND AROUND THE PLANTING BEDS. STANDING WITTE SHALL NOT BE PREMINED AND AUXIONT HAVE AND AROUND THE PLANTING BEDS. STANDING WITTE SHALL NOT BE PREMINED AND AUXIONT AUXI                                                                           |                                                                                                         |
| 6.3.1.<br>6.3.2.<br>6.3.3.<br>7. <u>FINIE</u><br>7.1.<br>7.2.<br>7.3.<br>7.4.<br>8. <u>TOP</u><br>8.1.<br>8.2.<br>8.3.<br>8.4.<br>8.4.1.<br>8.4.2.<br>8.5.<br>9. <u>PLAI</u><br>9.1.<br>9.2.<br>9.3.<br>9.4.<br>9.5.<br>9.6.<br>9.6.1.<br>9.6.2.                                                                                                                                                                                                                                                                   | To INCREASE A SAMP SOLS ABILITY TO RETAIN WATER AND MUTRIENT, THOROUGH YILL ORGANIC MATTER INTO THE TOP FILE OF PIECES WITH IDENTIFICABLE LEAF OR WOOD STRUCTURE. WODD MATERIAL WITH APH HIGHER THAN 7.5. TO INCREASE DRANGES. MODIFY THAN TO SALL PROVIDES AND UNDER THAN 7.5. TO INCREASE DRANGES. MODIFY THAN TO LEAF MUTOR. THAN 981, DE YADDING ORGANIC TO A DARK COURREND BY MOUNE) AND/OR ARROULTURA, GYPSUN COARES SAMD AY BE USED THE NOT ON INFORME THAN 7.5. TO INCREASE DRANGES. MODIFY ENTRY THAY TO BE TO BE ADDE TO TO REASE DE DRANGE. INCREASE DRANGES. MODIFY ENTRY THAY TO BE ADDE TO TO REASE DE DRANGE. INCREASE DRANGES. MODIFY ENTRY THAY TO BE ADDE TO TO REASE DE DRANGE. INCREASE DRANGES. MODIFY ENTRY THAY TO BE ADDE TO DE NOT DE TO REASE DE DRANGE. INCREASE DRANGES. MODIFY ENTRY THAY TO BERGE AREA OF THE STRUCTURE TO AND INFORM PLANE WITH NO AREASE DRANGE. INCREASE DRANGES. MODIFY ENTRY THAY TO BERGE AREA OF THE STRUCTURE TO REASE DE DRANGES. INCREASE DRANGES. MODIFY ENTRY THAY TO BERGE AREA OF THE STRUCTURE TO FOROLL HAS BEEN ESTABLISHED. THE SUBGRADE OF THE STRUCTURE THE INSTRUCTURE TO REASE DRANGES. INCREASE DRANGES. INCREASES THE REQUIRED TORSOLL THRONGES (1*1). ALLUWA NA PLANTING AREAS SHALL BE GRADE DO TA LIVE FRANCES DREETED BY THE MODIFY OFANGE OF SUBFACE A DEPICTED WITHIN THIS ST OF CONSTINUE. THE DISTURATED AND UNFORM PLANE WITH NO AREADY CHANGE OF SUBFACE AS DEPICTED WITHIN THIS ST OF CONSTINUE. THE SUBGRADE FOR INSTRUCTOR THAN EXCLUSION AND AND THE PLANTING BEDS. SOUND ALLUWA NA PLANTING AREAS SHALL BE GRADED DO ALLUWA REASE TO REACULE THE NADULE THAN DRUNCE ON THE AND AND AND THREAD AND AND AND THREAD TO ALLOW FREE FLOW OF SUBFACE WATER IN AND AROUND THE PLANTING BEDS. SOUND AS TRECTED BY PLANTING BEDS. SOUND AS STRUCT DE REASES SHALL BE REASE TO REASE STALLAND AND THE REASE TO REASE STALLAND AND THE REASE TO REASE AND THE SUBFACE AND THE SUBFAC                                                                           |                                                                                                         |
| 6.3.1.<br>6.3.2.<br>6.3.3.<br>7. <u>FINIE</u><br>7.1.<br>7.2.<br>7.3.<br>7.4.<br>8. <u>TOP</u><br>8.1.<br>8.2.<br>8.3.<br>8.4.<br>8.4.1.<br>8.4.2.<br>8.3.<br>8.4.<br>9. <u>PLAI</u><br>9.1.<br>9.2.<br>9.3.<br>9.4.<br>9.5.<br>9.6.<br>9.6.1.<br>9.6.3.                                                                                                                                                                                                                                                           | TO INCREASE A SAMPY SOLS ABUITY TO RETAIN WATER AND MUTTIENTS, THOROUGH YILL ORGANIC MATTER INTO THE TOP 15: USE<br>COMPOSITED ARM, COMPOSITE AND LEAR MULCIO REP MOSS. ALL PRODUCTS HOLD BE CARONSTED TO A DARK COLOR AND BE FREE OF PIECES<br>WITH IDENTIFIABLE LEAF OR WOOD STRUCTURE. AND DI MATERIAL WITH A PH HORE THAN 75.<br>IN TO INCREASE BRANNES. MOREY THAN YOU CARE AND MAY BE USED TO ENDIDIES ADOLD TO BRING COMPOSITE DI NE BARK (UP TO 30% DY THE<br>TOTAL MK. SUBJERACE DRANNEL LINKS MAY HEAVE TO BE ADDED TO DIFN THE SAMO CONTENT TO MORE. THAN 80%, OF THE<br>TOTAL MK. SUBJERACE DRANNEL LINKS MAY HEAVE TO BE ADDED TO DIR NOT THE SAMO CONTENT TO MORE THAN 80%, OF THE<br>TOTAL MK. SUBJERACE DRANNEL LINKS MAY HEAVE TO BE ADDED TO DIR NOT THE SAMO CONTENT TO MORE. THAN 80%, OF THE TOTAL<br>MK.<br>SHED GRADNIC<br>UNLESS DIRENNEE CONTRACTOR, SHALL VERICE TO AT SUBGRADE FOR INSTALLATION OF TOPSOL AND THE SAMO<br>TO AT MICH SUBJERACE DRANNEL LINKS MAY HAD TO BEROFED TO BE ADDED TO DIR NOT THE SAMO CONTENT TO MORE THAN 80%, OF THE TOTAL<br>MK.<br>SHED GRADNIC<br>UNLESS DIRENNEE CONTRACTOR, SHALL VERICY THAT SUBGRADE FOR INSTALLATION OF TOPSOL LING E TO SUB-ACE<br>ENTITLE FINISHES CONTRACTOR SHALL VERICY THAT SUBGRADE FOR INSTALLATION OF TOPSOL LING E TO SUB-ACE<br>ENTITLE FINISHES AND LINKS MAY HAD THE DISTUBLATION OF TOPSOL LING E TO SUB-ACE AD EPICITED<br>WITHIN THIS SET CONTRACTOR SHALL BE GRADED TO A SMOOTH (LINCH IND UNFOW PLANE WITH NO ARPUT? CHANGE OF SUBFACE AD EPICITED<br>WITHIN THIS SET CONTRACTOR SHALL BE GRADED TO A SMOOTH (LINCH IND UNFOW PLANE WITH NO ARPUT? CHANGE OF SUBFACE<br>ADDED HAD MANNER TO A MAY HAD BE ADDED TO A SMOOTH (LINCH IND UNFOW PLANE WITH NO ARPUT? CHANGE OF SUBFACE<br>ADDED HAD MANNER TO AND AND TARED TO ALL ON THE STALLATION OF TOPSOL AND THE TOTAL MAY HAD SET TO PROVE OR ALL ORDINANCE OR CLEMENT HE STALLATION<br>WITTEN THIS SET CONTRACTOR SHALL BE GRADED AND MAINTANED TO ALL OW FIRE FLOW TO SUBFACE WATER IN AND AND/INTEGET THE INTEGET AND AND AND/INTEGET TO THOSE AD EXTENT<br>ADDED TO THE SUBSOL TO SUBJERCE THAT THE TOTAL MANUNK RECOTTER TO ADDED TH            |                                                                                                         |
| <ul> <li>6.3.1.</li> <li>6.3.2.</li> <li>6.3.3.</li> <li>7. FINI:<br/>7.1.</li> <li>7.2.</li> <li>7.3.</li> <li>7.4.</li> <li>8. <u>TOP</u></li> <li>8.1.</li> <li>8.2.</li> <li>8.3.</li> <li>8.4.</li> <li>8.4.1.</li> <li>8.4.2.</li> <li>8.3.</li> <li>8.4.</li> <li>8.4.1.</li> <li>8.4.2.</li> <li>8.5.</li> <li>9. <u>PLAI</u></li> <li>9.1.</li> <li>9.2.</li> <li>9.3.</li> <li>9.4.</li> <li>9.5.</li> <li>9.6.</li> <li>9.6.1.</li> <li>9.6.1.</li> <li>9.6.2.</li> <li>9.6.3.</li> <li>9.7.</li> </ul> | TO INCREASE A SAMP SOLS ABUITY TO RETAIN WATER AND MUTRIENTS, THOROUGHLY TILL ORGANC WATTER INTO THE TOP'L. USE<br>COMPOSITED BARK, COMPOSITE AND LEAK NUCLEY AND USE ALL PROVIDED SHOLD BE CARPORED TO A DARK COLOR AND BE FREE OF PROESS<br>WITH DENTIFICABLE LEAF OR WOOD STRUCTURE. AND DI MATERIAL WITH APH HIGHER THAY 73.<br>TO INCREASE BARANGE, MOODT REVENUE, AND DI MATERIAL WITH APH HIGHER THAY 73.<br>IN DIANG ARRICULTURAL (VPSIM, COARSE SAM) WAY BE USED IF PROUDELS ADDE TO BRING THE YAODING COMPOSITED PINE BARK (UP TO 30% BY YOLLINE)<br>AND/OR ARRICULTURAL (VPSIM, COARSE SAM) WAY BE USED IF PROUDELS ADDE TO BRING THE YAODING COMPOSITED PINE BARK (UP TO 30% BY YOLLINE)<br>INDER ARRIVEL (VPSIM, COARSE SAM) WAY BE USED IF PROUDELS ADDE TO BRING THE YAODING COMPOSITED PINE BARK (UP TO 30% OF THE TOTAL<br>INK. SUBJECTION OF INCREMENT OF PINE GRADING UNITANT HE DISTURBANCE AREA OF THE STE<br>LINDSOMPC CONTRACTOR BINL VERITY TWI SUBGRADE FOR INSTALLATION OF TOPSOL AND THE SUBGRADE OT THE STE<br>LINDSOMPC CONTRACTOR BINL VERITY TWI SUBGRADE FOR INSTALLATION OF TOPSOL HAY DEBRADE OT THE STE<br>LINDSOMPC CONTRACTOR BINL VERITY TWI SUBGRADE FOR INSTALLATION OF TOPSOL HAY DEBRADE OF THE STE INJET<br>MET THE FINISHER CARDING WITHIN THE DISTURBANCE AREA OF THE STE<br>LINDSOMPC CONTRACTOR BINL VERITY TWI SUBGRADE FOR INSTALLATION OF TOPSOL HAY DEBRADE OF THE STE INJET<br>MET THE STALLATION FOR EARL LISS IN THE RECIPEL TO HIGH AND WITHIN THE STELLATION OF TOPSOL AND THE STELLATION<br>ALL PLANTING AREAS SHALL BE GRADED TO A SMOOTH, VERY AND DUNFORM PLANE WITH NO ABRUPT CHANGE OF SURFACE AS EPFICITED<br>WITHIN THIS STE CO CONSTRUCTORS WITHIN THE DISTURBANCE AREA OF THE STE<br>LINDSOMPC AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH, VERY AND DUNFORM PLANE WITH NO ABRUPT CHANNEG OF SURFACE AND MAY<br>WATER SHALL DIFFERSION CONSTRUCTORS WITHIN THE DISTURBANCE AREA OF THE STE<br>LINDSOMPC AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH, VERY AND DUNFORM PLANE WITH NO ABRUPT CHANNEG OF SURFACE<br>STATUS AND PLANTING AREAS SHALL BE GRADED AND MAINTANED TO ALLOW FREE LOW OF                                    |                                                                                                         |
| 6.3.1.<br>6.3.2.<br>6.3.3.<br>7. <u>FINIE</u><br>7.1.<br>7.2.<br>7.3.<br>7.4.<br>8. <u>TOP</u><br>8.1.<br>8.2.<br>8.3.<br>8.4.<br>8.4.1.<br>8.4.2.<br>8.3.<br>8.4.<br>9. <u>PLAI</u><br>9.1.<br>9.2.<br>9.3.<br>9.4.<br>9.5.<br>9.6.<br>9.6.1.<br>9.6.3.                                                                                                                                                                                                                                                           | TO INCREASE. A SANCE YOLG SAILUTY TO RETAIN WATER AND INTERINTS, THOROUGH IT THE ORANIE (MATTER INTO THE TOP 6-12. USE<br>COMPOSITED REMARK COMPOSITED LINE AND USE AND INTO AN ATTERNA INTHIA PH HIGHER THAN 7.5.<br>TO INCREASE AS INCREMENTS, DEVINCE, AND DI MATERNAI, UTHA APH HIGHER THAN 7.5.<br>TO INCREASE AS INCREMENTS, DEVINCE, AND DI MATERNAI, UTHA APH HIGHER THAN 7.5.<br>TO INCREASE AS INCREMENTS, DEVINCE, AND DI MATERNAI, UTHA APH HIGHER THAN 7.5.<br>TO INCREASE AS INCREMENTS, DEVINCE AND INTERNAI WITH A PH HIGHER THAN 7.5.<br>TO INCREASE AS INCREMENTS, DEVINCE AND INTERNAI WITH A PH HIGHER THAN 7.5.<br>TO INCREASE AS INCREMENTS, DEVINCE AND INTERNAI WITH A PH HIGHER THAN 7.5.<br>TO INCREASE AS INCREMENTS, DEVINCE AND INTERNAINA AND INTER AND/OR DRV, SHREEDED CLAY LOAN UP TO 20% OF THE TOTAL<br>INK. SUBJECT DEVINCE AND INTERNAINA AND INTERNA                                                |                                                                                                         |

![](_page_44_Figure_3.jpeg)

E AT LEAST UNTIL PLANTS ARE ESTABLISHED.

FALLED ON THE SITE, IT SHALL BE USED TO WATER PROPOSED PLANT MATERIAL, BUT ANY FAILURE OF THE

JARANTEE ALL PLANTS FOR A PERIOD OF 1 YEAR FROM APPROVAL OF LANDSCAPE INSTALLATION BY THE

PLANTING SEASON. ANY DEBRIS SHALL BE DISPOSED OF OFF-SITE, WITHOUT EXCEPTION. ED BY THE CONTRACTOR DURING CONSTRUCTION AND THROUGHOUT THE 90 DAY MAINTENANCE PERIOD AS ING, WATERING AND THE PREVENTATIVE TREATMENTS SHALL BE PERFORMED AS NECESSARY TO KEEP PLANT

OMMENCE AT THE END OF ALL LANDSCAPE INSTALLATION OPERATIONS. THE 90 DAY MAINTENANCE PERIOD ANCE PERIOD HAS EXPIRED, THE OWNER/OPERATOR MAY REQUEST THAT BIDDERS SUBMIT AN ALTERNATE TENANCE CONTRACT. THE ALTERNATE MAINTENANCE CONTRACT WILL ENCOMPASS ANY WORK THAT IS

![](_page_45_Figure_0.jpeg)

![](_page_45_Picture_1.jpeg)

![](_page_45_Figure_2.jpeg)

|       |                   |                                  |                                         | B                        | 05                            |                          |                    |                                       |                          |                     |                       |                     |                               |                                                                    |                       |                  |                  |   |      |     |  |
|-------|-------------------|----------------------------------|-----------------------------------------|--------------------------|-------------------------------|--------------------------|--------------------|---------------------------------------|--------------------------|---------------------|-----------------------|---------------------|-------------------------------|--------------------------------------------------------------------|-----------------------|------------------|------------------|---|------|-----|--|
|       |                   |                                  |                                         |                          |                               | (AKA US                  |                    | UR                                    | NP                       | IKE                 | -                     |                     |                               |                                                                    |                       |                  |                  |   |      |     |  |
|       | H                 |                                  |                                         |                          | (P                            | UBLIC -<br>(ASPH         | VARIAS             | E 6 & 44<br>LE WID                    | -<br>A)<br>VTH1          | 12                  |                       |                     |                               |                                                                    |                       |                  |                  |   |      |     |  |
|       |                   |                                  |                                         |                          |                               |                          | TWO WA             | WAY)<br>17<br>2                       |                          |                     |                       |                     |                               |                                                                    |                       |                  |                  |   |      |     |  |
|       |                   |                                  |                                         |                          |                               |                          |                    |                                       |                          |                     |                       |                     |                               |                                                                    |                       |                  |                  |   |      |     |  |
|       | + -               | + .                              | t                                       | t                        | +                             | - t.                     | +                  | <b>t</b> .                            | + .                      | +                   | +                     |                     | +                             |                                                                    | <b>t</b> .            | + .              | + , ))           |   |      |     |  |
|       | 0.2               | 0.1                              | 0.1                                     | 0.1                      | 0.1                           | 0.1                      | 0.0                | 0.0                                   | 0.1                      | 0.1                 | 0.1                   | 0.1                 | 0.1                           | 0.1                                                                |                       | 0.1              | 0.0              |   |      |     |  |
|       | <sup>†</sup> 0.3  | <sup>†</sup> 0.3                 | <sup>†</sup> 0.2                        | <sup>†</sup> 0.2         | <sup>∼</sup> <sup>†</sup> 0.1 | <sup>†</sup> 0.1         | 0.1                | <sup>†</sup> 0.1                      | <sup>†</sup> 0.1         | <sup>+</sup> 0.1    |                       | <sup>†</sup> 0.2    | <sup>†</sup> 0.2              | <sup>†</sup> 0.2                                                   | <sup>†</sup> 0.1      | <sup>†</sup> 0.1 | 0.0              | - |      |     |  |
|       | <sup>†</sup> 0.6  | <sup>†</sup> 0.6                 | <sup>†</sup> 0.4                        | <sup>+</sup> 0.3         | <u>+0.2</u>                   | <sup>†</sup> 0.2         | <sup>†</sup> 0.1   | <sup>+</sup> 0.1                      | <sup>+</sup> 0.2         | <sup>+</sup> 0.2    | <sup>+</sup> 0.3      | <sup>†</sup> 0.4    | <sup>†</sup> 0.4              | <sup>†</sup> 0.3                                                   | <sup>+</sup> 0.2      | 0.1              | 0.0              |   |      |     |  |
|       | <sup>+</sup> 1.2  | <sup>+</sup> 1.2                 | <sup>†</sup> 0.9                        | 0.5                      | <sup>+</sup> 0.4              | <sup>†</sup> 0.3         | <sup>†</sup> 0.2   | 0.2                                   | +3                       |                     | <sup>+</sup> 0.6 WH   | <sup>†</sup> 0.8    | <sup>†</sup> 0.8              | <sup>+</sup> 0.5                                                   | 0.2                   | <sup>+</sup> 0.1 | <sup>†</sup> 0.0 |   |      |     |  |
|       | <sup>+</sup> 2.0  | <sup>+</sup> 2.0                 | t<br>1.3                                | <sup>†</sup> 0.7         | <sup>†</sup> 0.5              | <sup>+</sup> 0.5         | <sup>+</sup> 0.3   | <sup>+</sup> 0.4                      | <sup>†</sup> 0.5         | <sup>†</sup> 0.6    | <sup>†</sup> 0.9      | †1.4                | 16                            | <sup>†</sup> 0.8                                                   | + <u>0.3</u>          | <sup>†</sup> 0.1 | <sup>†</sup> 0.0 |   |      |     |  |
|       | <sup>+</sup> 3.1  | <sup>+</sup> 3.3                 | <br>                                    | <sup>+</sup> 1.4         | <sup>†</sup> 0.8              | <sup>+</sup> 0.7         | <sup>†</sup> 0.6   | <sup>†</sup> 0.6                      | <sup>†</sup> 0.6         | <sup>†</sup> 1.0    | <sup>†</sup> 1.5      | <sup>+</sup><br>2.7 | <sup>+</sup> 24               | <sup>†</sup> 1.0                                                   | <sup>†</sup> 0.3      | <sup>†</sup> 0.1 | <sup>†</sup> 0.0 |   | (A   | (H) |  |
|       | <sup>+</sup> 38   | <sup>+</sup> 37                  | <sup>+</sup> 4 6                        | <sup>†</sup> 23          | <sup>†</sup> 12               | <sup>†</sup> 0 7         | <sup>†</sup> 0.8   | <sup>†</sup> 0 7                      | <sup>†</sup> 11          | <sup>†</sup> 2 0    | <sup>+</sup> 35       | *31                 | *31                           | <sup>†</sup> 12                                                    | <sup>+</sup> 0 4      | <sup>†</sup> 01  | <sup>†</sup> 0 1 |   |      | -   |  |
| ***** | +                 | ••••                             |                                         | ±                        | * .                           | t                        |                    | • • • • • • • • • • • • • • • • • • • |                          |                     |                       |                     |                               |                                                                    | •                     | t                | t cDGE DDS       |   |      |     |  |
|       | 4.5               | 3.8                              | 4.9                                     | 2.8                      | 1.4                           | 0.8                      | 0.9                | 0.8                                   | 1.3                      | 2.6                 | A A                   | 3.1                 | 3.4                           |                                                                    | 0.4                   | 0.2              | 0.1 EC WOOL      |   |      |     |  |
|       | <sup>+</sup> 5.1  | <sup>+</sup> 4.9                 | 4.4                                     | <sup>+</sup> 2.4         | <sup>+</sup> 1.6              | <sup>+</sup> 1.1         | <sup>†</sup> 1.0   | <sup>†</sup> 0.9                      | <sup>+</sup> 1.4         | <sup>+</sup> 2.2    | <sup>+</sup> 4.9      | <sup>†</sup> 3.2 ∽  | \$.1                          | <sup>†</sup> 1.1                                                   | <sup>†</sup> 0.4      | <sup>†</sup> 0.2 | <sup>†</sup> 0.1 |   | <br> |     |  |
|       |                   | 2.3                              | +                                       | <u>*^3</u>               | <sup>†</sup> 8 5              | * <mark>8</mark> .8      | <sup>‡</sup> 8.2   | <sup>†</sup> 7.3                      | <sup>†</sup> 7.5         | <sup>†</sup> 7.4    | <sup>‡</sup> 8.0      | <sup>†</sup> 6.7    | 4.2                           | <sup>†</sup> .1                                                    | Ø <sup>†0.3</sup>     | <sup>†</sup> 0.1 | <sup>†</sup> 0.1 |   |      |     |  |
|       | .4                | 37.5                             | 34.6                                    | 38.0                     | TBAT                          |                          | ÷.                 | <u></u>                               | <u></u> 28.0             | <sup>+</sup> 27.0   | <sup>+</sup> 27.3     | <sup>†</sup> 20.2   | <sup>†</sup> 8.5              | <sup>†</sup> 1.5                                                   | <sup>†</sup> 0.3      | <sup>†</sup> 0.1 | <sup>†</sup> 0.0 |   |      |     |  |
|       | D                 | <b>68</b> 9                      | D ₅<br>51.9                             | ⊠<br>⁺ <sub>51.3</sub> D | <b>68</b> 96                  | ⊠<br>D <sup>+</sup> 49.9 | ⊠<br>49.1 <b>D</b> | ==  <br>⊯=<br> }                      | ⊠<br>D <sup>∔</sup> 49.3 | <sup>⁺</sup> 48.4 D | <b>---</b><br>58.2    |                     | G<br>  <sup>†</sup> 13.0      | <sup>+</sup> 2.2                                                   | ÷                     | = † <u> </u>     | ₹ 0.0            |   |      |     |  |
|       |                   | <b>□</b><br><sup>+</sup><br>15.2 | ∠<br>∡                                  | D<br><u>43.3</u>         | 49.0                          | D<br>44.0                | D<br>+<br>44.6     | 51.7                                  | D<br>46.9                | D<br>⁴47.8⊠         | [<br>                 | D<br>1.4            | 12.7                          | <sup>+</sup> 2.2                                                   | <sup>†</sup> 0.4      | <sup>†</sup> 0.2 | <sup>+</sup> 0.0 |   |      |     |  |
|       | <sup>†</sup> 12 7 | <sup>+</sup> 17.4                | <sup>†</sup> 19.0                       | <sup>+</sup> 19 7        | <sup>†</sup> 20.4             | <sup>†</sup> 20.9        | <sup>†</sup> 22 0  | <sup>†</sup> 23.9                     | <sup>+</sup> 24.4        | <sup>†</sup> 25.8   | <sup>†</sup> 27.8     | <sup>2</sup> 0 6    | 83                            | <sup>†</sup> 17                                                    | <sup>†</sup> 6        | <sup>†</sup> 0.4 | 'nο              |   |      |     |  |
|       | +                 | +                                |                                         | +                        | +                             | +                        | +                  | +                                     | +                        | +                   | +                     | •<br>•              |                               | +                                                                  | +                     | +                | +                |   |      |     |  |
|       | 3.5               | 4.5                              | 5.0                                     | 4.3                      | 4.0                           | 4.3                      | 4.6                | 4.9                                   | 5.5                      | 6.1                 | 6.2                   | 5/4                 | 3.9                           | 1.6                                                                | 0.9                   | 0.0              | 0.0              |   |      |     |  |
|       | <sup>+</sup> 2.8  | <sup>+</sup> 3.5                 | <sup>5</sup> <del>1</del> 3.1           | <sup>+</sup> 1.5         | <sup>†</sup> 0.7              | <sup>†</sup> 0.4         | <sup>†</sup> 0.3   | <sup>†</sup> 0.3                      | <sup>†</sup> 0.3         | <sup>†</sup> 0.4    | <sup>†</sup> 0.7      | ∽́ <sup>†</sup> .4  | <sup>+</sup> 2.7              | <sup>‡</sup> 2.8                                                   | <sup>†</sup> 1.3      | <sup>†</sup> 0.0 | <sup>†</sup> 0.0 |   |      |     |  |
|       | <sup>+</sup> 5.4  | <sup>+</sup> 4.9                 | <sup>+</sup> 4.2                        | <sup>†</sup> 2.2         | 1.0 <sub>NV</sub>             | 0.4                      | <sup>†</sup> 0.2   | <sup>†</sup> 0.2                      | 0.2                      | <sup>†</sup> 0.3    |                       | 1.6<br>7 9          | <sup>†</sup> 3.0              | <b>4</b> .0 ≥                                                      | <sup>‡</sup> 2.3      | <sup>†</sup> 0.0 | <sup>†</sup> 0.0 |   |      |     |  |
|       | <b>.</b> 5        | <sup>+</sup> 5.3                 | <sup>+</sup> 6.7                        | <sup>†</sup> 5.9         | <sup>†</sup> .9               | <sup>†</sup> 0.8         | <sup>†</sup> 0.7   | <sup>†</sup> 0.6                      | <sup>†</sup> 0.5         | <sup>†</sup> 0.6    | to z                  | 1.7                 | <sup>†</sup> 3.1              | <sup>†</sup> 3.3                                                   | ÷.                    | <sup>†</sup> 0.0 | <sup>+</sup> 0.0 |   |      |     |  |
|       | <b>L</b>          | <sup>†</sup> 6.1                 | <sup>+</sup> 12.3                       |                          | 2.9                           | <sup>‡</sup> 2.6         | 4.5                | <sup>+</sup> 4.3                      | <sup>‡</sup> 3.6         | 4.1                 | ୍ରୁ ନ<br>1911         | 1.8                 | 3.1                           | +<br>4.2                                                           | В<br><sup>+</sup> 2.7 | <sup>†</sup> 0.0 | <sup>+</sup> 0.0 |   |      |     |  |
|       | 3.8               | ±.4                              |                                         | TX                       | ENT/                          |                          | └╵╵╵┛┷╼╸──         |                                       |                          |                     |                       |                     | 2.8                           | ,<br>,<br>,<br>,<br>,<br>,<br>,<br>,<br>,<br>,<br>,<br>,<br>,<br>, | <sup>†</sup> 1.5      | <sup>†</sup> 0.0 | <sup>†</sup> 0.0 |   |      |     |  |
|       | ÷15               |                                  |                                         |                          |                               |                          |                    |                                       |                          |                     |                       |                     | ±-0                           | + 7                                                                | <sup>†</sup> 0        | <sup>†</sup> 0.0 | to o             |   |      |     |  |
|       | 2.5               |                                  |                                         |                          |                               | PR                       | OP. FILLI          | NG STAT                               | TION                     |                     |                       |                     | 2.0                           |                                                                    | 1.0                   | 0.0              | 0.0              |   |      |     |  |
|       | 2.6               | 2.8                              |                                         |                          |                               |                          | (3,84              | 0 SF)                                 |                          |                     |                       |                     | <sup>†</sup> 1.2              | 1.0<br>S                                                           | <sup>†</sup> 0.7      | <sup>†</sup> 0.0 | <sup>†</sup> 0.0 |   |      |     |  |
|       | <sup>†</sup> 2.5  | 1.9                              | 1.5                                     |                          |                               |                          |                    |                                       |                          |                     |                       |                     | <sup>+</sup> 0.6              | <del>0.5</del>                                                     | <sup>†</sup> 0.3      | <sup>†</sup> 0.2 | <sup>†</sup> 0.0 |   |      |     |  |
|       | <sup>+</sup> 1.6  | 1.3                              | <b>≥</b> <sub>±</sub><br><sub>0.8</sub> |                          |                               |                          |                    |                                       | EN                       |                     |                       |                     | <sup>†</sup> 0.3              | <sup>†</sup> 0.2                                                   | <sup>†</sup> 0.2      | <sup>†</sup> 0.1 | <sup>†</sup> 0.0 |   |      |     |  |
|       | <sup>+</sup> 1.0  | =″ſ<br><sup>†</sup> 0.8          | <sup>†</sup> 0.5                        |                          |                               |                          |                    |                                       |                          |                     |                       |                     | <sup>†</sup> 0.2 <sup>1</sup> | <sup>†</sup> 0.1                                                   | <sup>†</sup> 0.1      | <sup>†</sup> 0.1 | <sup>†</sup> 0.0 |   |      |     |  |
|       | <sup>†</sup> 0.1  |                                  | <sup>†</sup> 0.3                        | <sup>†</sup> 1.3         | <sup>+</sup> 4.5              | <sup>+</sup> 2.8         | <sup>†</sup> 1.2   | <sup>+</sup> 3.5                      | <sup>†</sup> 5.4         | <sup>†</sup> 1.4    | ÷<br>•<br>•<br>•<br>• | ±.₩                 | <sup>†</sup> 0.1              | <sup>†</sup> 0.1                                                   | 0.0                   | <sup>†</sup> 0.0 | <sup>†</sup> 0.0 |   |      |     |  |
|       | <sup>†</sup> 0.1  | <sup>†</sup> 0.1                 | <sup>†</sup> 0.1                        | <sup>†</sup> 0.4         | <sup>†</sup> 0.8              | <sup>+</sup> 0.6         | <sup>+</sup> 0.4   | <sup>+</sup> 0.8                      | <sup>†</sup> 1.0         | <sup>+</sup> 0.4    | <sup>†</sup> 0.1      | <sup>†</sup> 0.1    | <sup>†</sup> 0.1              | <sup>†</sup> 0.0 =                                                 | <sup>†</sup> 0.0      | <sup>†</sup> 0.0 | <sup>†</sup> 0.0 |   |      |     |  |
|       | <sup>†</sup> 0.0  | <sup>†</sup> • •                 | +                                       | +                        | +                             | + 4                      | 0.4                | -                                     | +                        |                     | ÷                     | ÷                   | <sup>+</sup> 0 0              | ÷                                                                  | <sup>†</sup>          | ÷                | † o              |   |      |     |  |
|       | U.U               | U.U                              | U.1                                     | 0.1<br>ארוססע            | U.1                           | U.1                      | U.1                | U.T <sup></sup>                       | U.T                      |                     | <u> </u>              | <u>. U.U</u>        | 0.0                           | 0.0                                                                | U.U                   | 0.0              | U.U              |   |      |     |  |
|       | <sup>†</sup> 0.0  | <sup>†</sup> 0.0                 | 0.0 0.0 0.0                             | 0.0                      | <sup>†</sup> 0.0              | <sup>†</sup> 0.0         | <sup>†</sup> 0.0   | <sup>†</sup> 0.0                      | <sup>†</sup> 0.0         | <sup>†</sup> 0.0    | <sup>†</sup> 0.0      | <sup>†</sup> 0.0    | <sup>†</sup> 0.0              | <sup>†</sup> 0.0                                                   | <sup>†</sup> 0.0      | <sup>†</sup> 0.0 | <sup>†</sup> 0.0 |   |      |     |  |
|       | <sup>+</sup> 0.0  | <sup>+</sup> 0.0                 | <sup>+</sup> 0.0                        | <sup>+</sup> 0.0         | <sup>+</sup> 0.0              | <sup>+</sup> 0.0         | <sup>†</sup> 0.0   | <sup>†</sup> 0.0                      | <sup>†</sup> 0.0         | <sup>+</sup> 0.0    | <sup>+</sup> 0.0      | <sup>†</sup> 0.0    | <sup>†</sup> 0.0              | <sup>+</sup> 0.0                                                   | <sup>+</sup> 0.0      | <sup>†</sup> 0.0 | <sup>+</sup> 0.0 |   |      |     |  |

#### **LIGHTING NOTES**

- 1. THIS LIGHTING PLAN DEPICTS PROPOSED SUSTAINED ILLUMINATION LEVELS CALCULATED USING DATA PROVIDED BY THE NOTED MANUFACTURER(S). ACTUAL SUSTAINED SITE ILLUMINATION LEVELS AND PERFORMANCE OF LUMINAIRES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, THE SERVICE LIFE OF EQUIPMENT AND LUMINAIRES AND OTHER RELATED VARIABLE FIELD CONDITIONS.
- THE LIGHT LOSS FACTORS USED IN THESE LIGHTING CALCULATIONS ARE 0.90 FOR ALL LED LUMINAIRES, 0.80 FOR ALL HIGH PRESSURE SODIUM LUMINAIRES OR 0.72 FOR ALL METAL HALIDE LUMINAIRES UNLESS OTHERWISE SPECIFIED. THESE FACTORS ARE INDICATIVE OF TYPICAL LIGHTING INDUSTRY MODELING STANDARDS.
- 3. THE LIGHTING VALUES AND CALCULATION POINTS DEPICTED ON THIS PLAN ARE ALL ANALYZED ON A HORIZONTAL GEOMETRIC PLANE AT ELEVATION ZERO (GROUND LEVEL) UNLESS OTHERWISE NOTED. THE VALUES DEPICTED ON THIS PLAN ARE IN FOOTCANDLES.
- 4. THE LUMINAIRES, LAMPS AND LENSES MUST BE REGULARLY INSPECTED/MAINTAINED TO ENSURE THAT THEY FUNCTION PROPERLY. THIS WORK SHOULD INCLUDE, BUT NOT BE LIMITED TO, FREQUENT VISUAL INSPECTIONS, CLEANING OF LENSES, AND RELAMPING (IF NECESSARY) AT LEAST ONCE EVERY SIX (6) MONTHS. FAILURE TO FOLLOW THE ABOVE STEPS COULD CAUSE THE LUMINAIRES, LAMPS AND LENSES TO FAIL PROPERLY TO FUNCTION.
- 5. WHERE APPLICABLE, THE EXISTING CONDITION LIGHT LEVELS ILLUSTRATED ARE REPRESENTATIVE OF AN APPROXIMATION UTILIZING LABORATORY DATA FOR SIMILAR FIXTURES, UNLESS ACTUAL FIELD MEASUREMENTS ARE TAKEN WITH A LIGHT METER AND ARE, CONSEQUENTLY, APPROXIMATIONS ONLY. DUE TO FACTORS SUCH AS FIXTURE MAINTENANCE, EQUIPMENT TOLERANCES, WEATHER CONDITIONS, ETC, ACTUAL LIGHT LEVELS MAY DIFFER. EXISTING LIGHT LEVELS DEPICTED ON THIS PLAN SHOULD BE CONSIDERED APPROXIMATE.
- 6. THIS LIGHTING PLAN IS INTENDED TO SHOW THE LOCATIONS AND TYPE OF LUMINAIRES, ONLY. POWER SYSTEM, CONDUITS, WIRING, VOLTAGES AND OTHER ELECTRICAL COMPONENTS ARE THE RESPONSIBILITY OF THE ARCHITECT, MEP AND/OR LIGHTING CONTRACTOR, AS INDICATED IN THE CONSTRUCTION CONTRACT DOCUMENTS. THESE ITEMS MUST BE INSTALLED AS REQUIRED BY STATE AND LOCAL REGULATIONS. LIGHT POLE BASES ARE THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER, AS INDICATED IN THE CONSTRUCTION CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR INSTALLING LIGHTING FIXTURES AND APPURTENANCES IN ACCORDANCE WITH ALL APPLICABLE BUILDING AND ELECTRICAL CODES AND ALL OTHER APPLICABLE RULES, REGULATIONS, LAWS AND STATUTES.
- CONTRACTOR MUST BRING TO DESIGNER'S ATTENTION, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, ANY LIGHT LOCATIONS THAT CONFLICT WITH DRAINAGE, UTILITIES, OR OTHER STRUCTURES.
- IT IS THE LIGHTING CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE PROJECT ARCHITECT OR OWNER REGARDING THE POWER SOURCE(S) FROM WITHIN THE BUILDING, AND TIMING DEVICES NECESSARY TO MEET THE DESIGN INTENT.
- THE LIGHTING CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CONTRACTOR REQUIREMENTS INDICATED IN THE SITE PLAN, INCLUDING BUT NOT LIMITED TO, GENERAL NOTES, GRADING AND UTILITY NOTES, SITE SAFETY, AND ALL GOVERNMENTAL RULES, LAWS, ORDINANCES, REGULATIONS AND THE LIKE.
- 10. THE CONTRACTOR MUST VERIFY THAT INSTALLATION OF LIGHTING FIXTURES COMPLIES WITH THE REQUIREMENTS FOR SEPARATION FROM OVERHEAD ELECTRICAL WIRES PER STATE REGULATIONS.
- 11. UPON OWNER'S ACCEPTANCE OF THE COMPLETED PROJECT, THE OWNER SHALL BE RESPONSIBLE FOR ALL MAINTENANCE, SERVICING, REPAIR AND INSPECTION OF THE LIGHTING SYSTEM AND ALL OF ITS COMPONENTS AND RELATED SYSTEMS, TO ENSURE ADEQUATE LIGHTING LEVELS ARE PRESENT AND FUNCTIONING AT ALL TIMES.

| NUMERIC SUMMARY |             |       |       |      |     |         |         |
|-----------------|-------------|-------|-------|------|-----|---------|---------|
| LABEL           | CALCTYPE    | UNITS | AVG   | MAX  | MIN | AVG/MIN | MAX/MIN |
| AREA SUMMARY    | ILLUMINANCE | FC    | 10.11 | 58.9 | 0.2 | 50.55   | 294.50  |

| LUMINAIRE SCHEDULE |     |                  |        |      |                                                                               |  |
|--------------------|-----|------------------|--------|------|-------------------------------------------------------------------------------|--|
| SYMBOL             | QTY | ARRANGEMENT      | LUMENS | LLF  | DESCRIPTION                                                                   |  |
| <b>₽</b> A         | 3   | SINGLE           | 5996   | 0.90 | CREE, INC. LED AREA LIGHT MOUNTED @ 20'<br>ARE-EDG-3MB-XX-04-E-UL-XX-700-57K  |  |
| ₿<br>B             | 2   | SINGLE W/ SHIELD | 5996   | 0.90 | CREE, INC. LED AREA LIGHT MOUNTED @ 20'<br>ARE-EDG-3MB-XX-04-E-UL-XX-700-57K  |  |
| □⊕□c               | 1   | DOUBLE @ 180     | 5996   | 0.90 | CREE, INC. LED AREA LIGHT MOUNTED @ 20'<br>ARE-EDG-3MB-XX-04-E-UL-XX-700-57K  |  |
| D                  | 16  | CANOPY           | 13251  | 0.90 | CREE, INC. LED CANOPY LIGHT MOUNTED @ 15'<br>CAN-304-SL-XX-06-E-UL-XX-700-57K |  |

![](_page_45_Figure_18.jpeg)

AREA LIGHT DETAIL

NOTE: THIS DETAIL IS FOR BID AND BUDGETARY PURPOSES ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING A FOUNDATION DESIGN PREPARED BY A QUALIFIED STRUCTURAL ENGINEER CONSIDERING LIGHTING MANUFACTURER REQUIREMENTS, LOCAL WIND LOADS AND SITE SPECIFIC SOIL PARAMETERS.

 SOME SITE CONDITIONS AND/OR LOCATIONS MAY REQUIRE VIBRATION DAMPENING MEASURES AS DETERMINED BY A STRUCTURAL ENGINEER.
 THE STRUCTURAL ENGINEER SHALL BE NOTIFIED OF THE INTENT TO MOUNT ANYTHING TO THE POLE, ASIDE FROM THE LIGHT FIXTURES, INCLUDING BUT NOT LIMITED TO CAMERAS, BANNERS, FLAGS, SIGNAGE, ETC. AS IT WILL IMPACT THE POLE AND FOUNDATION DESIGN.

![](_page_45_Figure_22.jpeg)

![](_page_45_Picture_23.jpeg)

![](_page_45_Picture_24.jpeg)

**Call** before you dig. ALWAYS CALL 811 It's fast. It's free. It's the law.

#### **ISSUED FOR PERMIT**

| THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY<br>EVIEW AND APPROVAL. <u>IT IS NOT INTENDED AS A CONSTRUCTIO</u><br><u>DOCUMENT</u> UNLESS INDICATED OTHERWISE. |         |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--|
|                                                                                                                                                                       |         |  |
| PROJECT No.:                                                                                                                                                          | W171113 |  |

| DRAWN BY:   | CP           |
|-------------|--------------|
| CHECKED BY: | LMD/AW       |
| DATE:       | 04/12/202    |
| CAD I.D.:   | W171113-CVL- |
|             |              |
| PROJECT:    |              |

![](_page_45_Picture_29.jpeg)

![](_page_45_Picture_30.jpeg)

PROPOSED DEVELOPMENT

MAP #7, LOT # 74 129 BOSTON TURNPIKE TOWN OF BOLTON, TOLLAND COUNTY CONNECTICUT

## BOHLER//

**352 TURNPIKE ROAD SOUTHBOROUGH, MA 01772** Phone: (508) 480-9900

www.BohlerEngineering.com

![](_page_45_Picture_36.jpeg)

N.T.S.

LIGHTING PLAN

SHEET NUMBER:

![](_page_45_Picture_38.jpeg)

**C-703** 

![](_page_46_Figure_0.jpeg)

GRAMDATA\\_BOHLER\C3D2020NE\TEMP\ACPUBLISH\_16848\W171113-CVL-0----->LAYOUT: C-901-DI

![](_page_46_Figure_2.jpeg)

![](_page_47_Figure_0.jpeg)

GRAMDATA\\_BOHLER\C3D2020NE\TEMP\ACPUBLISH\_16848\W171113-CVL-0----->LAYOUT: C-90

|                                                                                                                                                               |        | <page-header><text><text><text></text></text></text></page-header>                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4" - 8"                                                                                                                                                       |        | REV     DATE     COMMENT     DRAWN BY       CHECKED BY                                                                                                           |
| NOTE:<br>10" DOME GRATE DETAIL AS MANUFACTURED BY "ADVANCED DRAINAGE SYSTEMS,<br>INC.", 3300 RIVERSIDE DRIVE, COLUMBUS, OH 43221, (800) 821-6710, OR APPROVED |        |                                                                                                                                                                  |
| EQUAL.                                                                                                                                                        |        |                                                                                                                                                                  |
| YARD DRAIN                                                                                                                                                    | N.T.S. |                                                                                                                                                                  |
|                                                                                                                                                               |        |                                                                                                                                                                  |
|                                                                                                                                                               |        | Know what's below.<br>Call before you dig.<br>ALWAYS CALL 811<br>It's fast. It's free. It's the law.                                                             |
|                                                                                                                                                               |        | ISSUED FOR PERMIT                                                                                                                                                |
|                                                                                                                                                               |        | THIS DRAWING IS INTENDED FOR MUNICIPAL AND/OR AGENCY<br>REVIEW AND APPROVAL. <u>IT IS NOT INTENDED AS A CONSTRUCTION</u><br>DOCUMENT UNLESS INDICATED OTHERWISE. |
|                                                                                                                                                               |        | PROJECT No.:         W171113           DRAWN BY:         CPB           CHECKED BY:         LMD/AWP           DATE:         04/12/2021                            |
|                                                                                                                                                               | N.T.S. | PROJECT:<br>PROPOSED SITE<br>PROPOSED<br>FOR<br>FOR<br>PROPOSED<br>DEVELOPMENT<br>MAP #7, LOT # 74<br>120 POSTON TUPNPIKE                                        |
|                                                                                                                                                               |        | 129 BOSTON TURNPIKE<br>TOWN OF BOLTON,<br>TOLLAND COUNTY<br>CONNECTICUT                                                                                          |
|                                                                                                                                                               |        | BOHLER//<br>S52 TURNPIKE ROAD<br>SOUTHBOROUGH, MA 01772<br>Phone: (508) 480-9900<br>www.BohlerEngineering.com                                                    |
|                                                                                                                                                               |        | FCONNECTION LICENSE.NO. 11425                                                                                                                                    |
|                                                                                                                                                               |        | SHEET TITLE:<br>DETAIL<br>SHEET                                                                                                                                  |
|                                                                                                                                                               |        | SHEET NUMBER:<br>C-902                                                                                                                                           |
|                                                                                                                                                               | N.T.S. | ORG. DATE - 04/12/2021                                                                                                                                           |

RIM=531.33

| LEGEND                                |                                         |  |  |  |
|---------------------------------------|-----------------------------------------|--|--|--|
| — — 124 — —<br>— — 125 — —            | EXISTING CONTOUR                        |  |  |  |
| × 123.45                              | EXISTING SPOT ELEVATION                 |  |  |  |
| × TC 123.45                           | EXISTING TOP OF CURB ELEVATION          |  |  |  |
| × G 122.95                            | EXISTING GUTTER ELEVATION               |  |  |  |
| × TW 123.45                           | EXISTING TOP OF WALL ELEVATION          |  |  |  |
| ×BW 122.95                            | EXISTING BOTTOM OF WALL ELEVATION       |  |  |  |
| × BI 122.95                           | EXISTING BOTTOM OF ISLAND ELEVATION     |  |  |  |
| × FF 123.45                           | EXISTING FINISHED FLOOR ELEVATION       |  |  |  |
| EM                                    | ELECTRIC METER                          |  |  |  |
| —— ОН ——                              | OVERHEAD WIRES                          |  |  |  |
| E                                     | APPROX. LOC. UNDERGROUND ELECTRIC LINE  |  |  |  |
| <i>T</i>                              | APPROX. LOC. UNDERGROUND TELEPHONE LINE |  |  |  |
| UP #                                  | UTILITY POLE                            |  |  |  |
|                                       | UTILITY POLE/LIGHT POLE                 |  |  |  |
| <i>GW</i> <                           | GUY WIRE                                |  |  |  |
|                                       | TRAFFIC SIGNAL                          |  |  |  |
| MW 🗅                                  | MONITORING WELL                         |  |  |  |
| $\bigcirc$                            | MONITORING WELL ON CONCRETE             |  |  |  |
|                                       | AREA LIGHT                              |  |  |  |
|                                       | LAMP                                    |  |  |  |
|                                       | AIR STATION                             |  |  |  |
|                                       | VACUUM                                  |  |  |  |
| c/0 •                                 |                                         |  |  |  |
| V •                                   | VENT                                    |  |  |  |
|                                       | SIGN                                    |  |  |  |
| ١                                     | MAIL BOX                                |  |  |  |
| •                                     | BOLLARD                                 |  |  |  |
| <b>—</b>                              | U-BOLLARD                               |  |  |  |
| UG                                    | UNDER GROUND                            |  |  |  |
| DC                                    | DEPRESSED CURB                          |  |  |  |
| FOC                                   | EDGE OF CONCRETE                        |  |  |  |
| FOP                                   |                                         |  |  |  |
| 1.54                                  | LANDSCAPED AREA                         |  |  |  |
| MC                                    | METAL COVER                             |  |  |  |
| (TYP)                                 | TYPICAL                                 |  |  |  |
| (,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | DRAINAGE/STORM MANHOLE                  |  |  |  |
| TMH                                   |                                         |  |  |  |
| MA MH                                 | UNKNOWN MANHOLE                         |  |  |  |
|                                       | CATCH BASIN OR INLET                    |  |  |  |
| SWL                                   | SOLID WHITE LINE                        |  |  |  |
| DYL                                   | DOUBLE YELLOW LINE                      |  |  |  |
| HT                                    | HEIGHT                                  |  |  |  |
| DAWL                                  | DASHED WHITE LINE                       |  |  |  |
| BLDG                                  | BUILDING                                |  |  |  |
| BFPA                                  | BUILDING FOOTPRINT AREA                 |  |  |  |
| NVP                                   | NO VISIBLE PIPE                         |  |  |  |
| PVC                                   | POLYVINYL CHLORIDE PIPE                 |  |  |  |
| CMP                                   | CORRUGATED METAL PIPE                   |  |  |  |
| RCP                                   |                                         |  |  |  |
| INV                                   |                                         |  |  |  |
| GRT                                   | GRATE ELEVATION                         |  |  |  |
| BOT                                   | BOTTOM ELEVATION                        |  |  |  |
| TOW                                   | TOP OF WATER                            |  |  |  |

 $\sim$ 

![](_page_48_Figure_2.jpeg)

![](_page_48_Picture_3.jpeg)

![](_page_48_Figure_5.jpeg)

#### NOTES:

- 1. THIS IS A BOUNDARY AND TOPOGRAPHIC SURVEY PREPARED IN ACCORDANCE WITH THE STANDARDS OF A CLASS A-2 AND T-2 SURVEY AS DEFINED IN THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTION 20-300B, EFFECTIVE DATE JUNE 21, 1996. THIS SURVEY IS ALSO PREPARED IN ACCORDANCE WITH THE MINIMUM STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT, ADOPTED ON SEPTEMBER 26, 1996, BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS INC., THE BOUNDARY LINES SHOWN HEREON ARE BASED UPON A RESURVEY OF THE SUBJECT PROPERTY.
- 2. PROPERTY KNOWN AS LOT 74 AS SHOWN ON THE TOWN OF BOLTON, TOLLAND COUNTY, STATE OF CONNECTICUT MAP NO. 7.
- AREA = 40,532 SQUARE FEET OR 0.930 ACRES

#### 3. LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE. LOCATIONS AND SIZES ARE BASED ON UTILITY MARK-OUTS, ABOVE GROUND STRUCTURES THAT WERE VISIBLE & ACCESSIBLE IN THE FIELD, AND THE MAPS AS LISTED IN THE REFERENCES AVAILABLE AT THE TIME OF THE SURVEY. AVAILABLE AS-BUILT PLANS AND UTILITY MARKOUT DOES NOT ENSURE MAPPING OF ALL UNDERGROUND UTILITIES AND STRUCTURES. BEFORE ANY EXCAVATION IS TO BEGIN, ALL UNDERGROUND UTILITIES SHOULD BE VERIFIED AS TO THEIR LOCATION, SIZE AND TYPE BY THE PROPER UTILITY COMPANIES. CONTROL POINT ASSOCIATES, INC. DOES NOT GUARANTEE THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA EITHER IN SERVICE OR ABANDONED.

- 4. THIS PLAN IS BASED ON INFORMATION PROVIDED BY A SURVEY PREPARED IN THE FIELD BY CONTROL POINT ASSOCIATES, INC. AND OTHER REFERENCE MATERIAL AS LISTED HEREON.
- 5. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND IS SUBJECT TO THE RESTRICTIONS, COVENANTS AND/OR EASEMENTS THAT MAY BE CONTAINED THEREIN.
- 6. BY GRAPHIC PLOTTING ONLY PROPERTY IS LOCATED IN FLOOD HAZARD ZONE C (AREAS OF MINIMAL FLOODING) PER REF. #2
- 7. ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), BASED ON GPS OBSERVATIONS UTILIZING THE KEYSTONE VRS NETWORK (KEYNETGPS).
  - TEMPORARY BENCH MARKS SET: TBM-A: MAG NAIL IN ASPHALT PAVEMENT. ELEVATION = 548.01'
  - TBM-B: MAG NAIL IN ASPHALT PAVEMENT. ELEVATION = 549.13'
- PRIOR TO CONSTRUCTION IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE BENCHMARKS ILLUSTRATED ON THIS SKETCH HAVE NOT BEEN DISTURBED AND THEIR ELEVATIONS HAVE BEEN CONFIRMED. ANY CONFLICTS MUST BE REPORTED PRIOR TO CONSTRUCTION.
- 8. THE OFFSETS SHOWN ARE NOT TO BE USED FOR THE CONSTRUCTION OF ANY STRUCTURE, FENCE, PERMANENT ADDITION, ETC.
- 9. THE EXISTENCE OF UNDERGROUND STORAGE TANKS, IF ANY, WAS NOT KNOWN AT THE TIME OF THE FIELD SURVEY.

REFERENCES:

- 1. THE TAX ASSESSOR'S MAP OF BOLTON, TOLLAND COUNTY, CONNECTICUT, SHEET #7.
- 2. MAP ENTITLED "NATIONAL FLOOD INSURANCE PROGRAM, FIRM, FLOOD INSURANCE RATE MAP, TOWN OF BOLTON, CONNECTICUT, TOLLAND COUNTY, PANEL 2 OF 3," COMMUNITY-PANEL NUMBER 090109 0002 B, MAP REVISED: JUNE 1, 1981.
- 3. MAP ENTITLED "ALTA/ACSM LAND TITLE SURVEY, EXXONMOBIL, SS#10172, 129 BOSTON TURNPIKE, BOLTON, CT," PREPARED BY FIRST ORDER, LLC, DATED AUGUST 19, 2010.
- 4. MAP ENTITLED "BOUNDARY & TOPOGRAPHIC SURVEY, BOHLER ENGINEERING, 129 BOSTON TURNPIKE, LOT 74, MAP 7, TOWN OF BOLTON, TOLLAND COUNTY, STATE OF CONNECTICUT," PREPARED BY CONTROL POINT ASSOCIATES, INC., DATED JULY 17, 2017.

| DELIEF, THIS MAP IS SUBSTANTIALLY<br>REON.<br>OCUMENT UNLESS EMBOSSED<br>ON OR STAMPED WITH A BLACK INK SEAL | FIELD DATE<br>7-10-2017<br>2-24-2021<br>FIELD BOOK NO.<br>17-06MA<br>FIELD BOOK PG.<br>70-71 | BOUNDARY & TOPOGRAPHIC SURVEY<br>GLOBAL PARTNERS<br>129 BOSTON TURNPIKE<br>LOT 74, MAP 7<br>TOWN OF BOLTON, TOLLAND COUNTY<br>STATE OF CONNECTICUT |                                                                 |                                                          |                                       |                                                                                                                   |                                                        |
|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
|                                                                                                              | FIELD CREW<br>T.M.<br>C.W.<br>DRAWN:<br>PRIMA                                                | A<br>352<br>SO<br>508                                                                                                                              | CONTR<br>SSOCI<br>TURNPIKE RC<br>UTHBOROUGH<br>8,948.3000 - 508 | OL PC<br>A T E S,<br>DAD<br>I, MA 01772<br>.948.3003 FAX | DINT A<br>INC. B<br>MANH<br>MANH<br>W | LBANY, NY 51821<br>OSTON, MA 85740<br>ALFONT, PA 21571<br>ATTAN, NY 64678<br>"AUREL, NJ 60985<br>/ARREN, NJ 90866 | 75010<br>003311<br>29800<br>800411<br>572099<br>580099 |
| IT. WHIMPLE DATE<br>SIONAL LAND SURVEYOR #70290                                                              | REVIEWED:<br>D.M.D.                                                                          | APPROVED:<br>J.C.W.                                                                                                                                | date<br><b>3-4-2021</b>                                         | scale<br>1"=20'                                          | FILE NO. 03-170199                    | dwg. no. $1$ OF                                                                                                   | 1                                                      |

MH RIM=554.09

#### **Connected Properties**

| Address Date Connected         | I |
|--------------------------------|---|
| 31 Keeney Drive 1/4/2013       |   |
| 201 Boston Turnpike 1/21/2013  |   |
| 18 Lakeside Lane 1/22/2013     |   |
| 49 Vernon Road 3/14/2013       |   |
| 65 Vernon Road 4/5/2013        |   |
| 81 Vernon Road 4/5/2013        |   |
| 60 Keeney Drive 4/8/2013       |   |
| 83 Vernon Road 4/8/2013        |   |
| 50 Keeney Drive 4/10/2013      |   |
| 33 Keeney Drive 4/18/2013      |   |
| 19 Keeney Drive 4/19/2013      |   |
| 31 Vernon Road 4/19/2013       |   |
| 1020 Boston Turnpike 4/26/2013 |   |
| 77 Vernon Road 4/26/2013       |   |
| 922A Boston Turnpike 4/26/2013 |   |
| 299 Boston Turnpike 4/29/2013  |   |
| 303 Boston Turnpike 4/29/2013  |   |
| 33 Vernon Road 4/29/2013       |   |
| 47 Vernon Road 4/29/2013       |   |
| 1040 Boston Turnpike 4/30/2013 |   |
| 44 Keeney Drive 4/30/2013      |   |
| 20 Lakeside Lane 5/2/2013      |   |
| 35 Keeney Drive 5/2/2013       |   |
| 1022 Boston Turnpike 5/3/2013  |   |
| 55 Vernon Road 5/3/2013        |   |
| 27 Keeney Drive 5/6/2013       |   |
| 17 Hillcrest Road 5/7/2013     |   |
| 972 Boston Turnpike 5/7/2013   |   |
| 10 Lakeside Lane 5/8/2013      |   |
| 976 Boston Turnpike 5/9/2013   |   |
| 23 Keeney Drive 5/10/2013      |   |
| 17 Keenev Drive 5/13/2013      |   |
| 8 Howard Road 5/14/2013        |   |
| 24 Lakeside Lane 5/28/2013     |   |
| 39 Keeney Drive 5/28/2013      |   |
| 129 Boston Turnpike 5/29/2013  |   |
| 22 Keenev Drive 6/5/2013       |   |
| 966 Boston Turnnike 6/5/2013   |   |
| 970 Boston Turnpike 6/5/2013   |   |
| 16 Keeney Drive 6/6/2013       |   |

| 21 Keeney Drive      | 6/11/2013 |
|----------------------|-----------|
| 17 Howard Road       | 6/12/2013 |
| 222 Boston Turnpike  | 6/17/2013 |
| 25 Howard Road       | 6/17/2013 |
| 22 Hillcrest Road    | 6/19/2013 |
| 1030 Boston Turnpike | 6/20/2013 |
| 7 Keeney Drive       | 6/20/2013 |
| 26 Keeney Drive      | 6/24/2013 |
| 73 Vernon Road       | 6/24/2013 |
| 1025 Boston Turnpike | 6/26/2013 |
| 11 Keeney Drive      | 6/26/2013 |
| 15 Keeney Drive      | 6/26/2013 |
| 263 Boston Turnpike  | 7/3/2013  |
| 28 Keeney Drive      | 7/3/2013  |
| 291 Boston Turnpike  | 7/8/2013  |
| 69 Vernon Road       | 7/22/2013 |
| 15 Vernon Road       | 7/23/2013 |
| 21 Vernon Road       | 7/26/2013 |
| 16 Lakeside Lane     | 8/5/2013  |
| 22 Lakeside Lane     | 8/6/2013  |
| 1007 Boston Turnpike | 8/8/2013  |
| 26 Hillcrest Road    | 8/13/2013 |
| 39 Vernon Road       | 8/13/2013 |
| 33 Lakeside Circle   | 8/16/2013 |
| 21 Lakeside Circle   | 8/19/2013 |
| 37 Keeney Drive      | 8/21/2013 |
| 958 Boston Turnpike  | 8/22/2013 |
| 921 Boston Turnpike  | 8/28/2013 |
| 14 Lakeside Lane     | 9/4/2013  |
| 1201 Boston Turnpike | 9/5/2013  |
| 266 Boston Turnpike  | 9/5/2013  |
| 94 Boston Turnpike   | 9/6/2013  |
| 1041 Boston Turnpike | 9/9/2013  |
| 133 Tolland Road     | 9/9/2013  |
| 240 Boston Turnpike  | 9/9/2013  |
| 18 North Road        | 9/12/2013 |
| 17 North Road        | 9/16/2013 |
| 7 North Road         | 9/16/2013 |
| 1 Plymouth Lane      | 9/17/2013 |
| 12 Quarry Road       | 9/17/2013 |
| 49 Plymouth Lane     | 9/17/2013 |
| 75 Tolland Road      | 9/17/2013 |
| 25 Tolland Road      | 9/18/2013 |

| 10 North Road        | 9/19/2013  |
|----------------------|------------|
| 7 Plymouth Lane      | 9/20/2013  |
| 11 North Road        | 9/23/2013  |
| 37 Plymouth Road     | 9/24/2013  |
| 96 Tolland Road      | 10/2/2013  |
| 1191 Boston Turnpike | 10/8/2013  |
| 16 North Road        | 10/8/2013  |
| 20 North Road        | 10/9/2013  |
| 262 Boston Turnpike  | 10/21/2013 |
| 1276 Boston Turnpike | 10/22/2013 |
| 1065 Boston Turnpike | 10/25/2013 |
| 31 Plymouth Lane     | 10/28/2013 |
| 33 Plymouth Lane     | 10/28/2013 |
| 10 Quarry Road       | 10/30/2013 |
| 1225 Boston Turnpike | 10/30/2013 |
| 35 Lakeside Circle   | 10/30/2013 |
| 110 Tolland Road     | 10/31/2013 |
| 71 Tolland Road      | 10/31/2013 |
| 81 Tolland Road      | 11/4/2013  |
| 11 Sunset Lane       | 11/5/2013  |
| 5 High Meadow        | 11/6/2013  |
| 93 Tolland Road      | 11/8/2013  |
| 130 Tolland Road     | 11/11/2013 |
| 138 Tolland Road     | 11/11/2013 |
| 14 North Road        | 11/11/2013 |
| 166 Boston Turnpike  | 11/11/2013 |
| 180 Boston Turnpike  | 11/11/2013 |
| 124 Boston Turnpike  | 11/20/2013 |
| 753 Boston Turnpike  | 12/2/2013  |
| 30 Hillcrest Road    | 12/7/2013  |
| 51 Vernon Road       | 12/7/2013  |
| 57 Vernon Road       | 12/7/2013  |
| 200 Boston Turnpike  | 12/10/2013 |
| 134 Tolland Road     | 12/23/2013 |
| 89 Tolland Road      | 12/27/2013 |
| 9 Sunningdale Lane   | 12/27/2013 |
| 65 Tolland Road      | 12/30/2013 |
| 85 Tolland road      | 1/15/2014  |
| 88 Tolland Road      | 1/29/2014  |
| 100 Tolland Road     | 1/31/2014  |
| 1262 Boston Turnpike | 4/1/2014   |
| 22 North Road        | 4/3/2014   |
| 1084 Boston Turnpike | 4/10/2014  |

| 7 Sout Road              | 4/17/2014  |
|--------------------------|------------|
| 99 New Bolton Road Lower | 4/21/2014  |
| 99 New Bolton Road Upper | 4/29/2014  |
| 1150 Boston Turnpike     | 5/19/2014  |
| 3 Sunset Lane            | 5/20/2014  |
| 2 Sunset Lane            | 5/28/2014  |
| 1061 Boston Turnpike     | 5/29/2014  |
| 1055 Boston Turnpike     | 6/4/2014   |
| 18 Hillcrest Road        | 6/4/2014   |
| 666 Boston Turnpike      | 6/13/2014  |
| Indian Notch Park        | 6/19/2014  |
| 1071 Boston Turnpike     | 7/1/2014   |
| 1266 Boston Turnpike     | 7/1/2014   |
| 1 Sunset Lane            | 7/30/2014  |
| 15 Sunset Lane           | 7/30/2014  |
| 12 Sunset Lane           | 7/31/2014  |
| 1074 Boston Turnpike     | 8/15/2014  |
| 10 Sunset Lane           | 8/19/2014  |
| 4 Sunset Lane            | 8/19/2014  |
| 1159 Boston Turnpike     | 8/20/2014  |
| 15 Tolland Road          | 9/16/2014  |
| 30 Llynwood Drive        | 9/23/2014  |
| 11 Tolland Road          | 9/24/2014  |
| 6 Sunset Lane            | 9/24/2014  |
| Englands Harware         | 9/24/2014  |
| 26 Llynwood Drive        | 9/26/2014  |
| 1079 Boston Turnpike     | 10/9/2014  |
| 19 Colonial Drive        | 10/10/2014 |
| 74 Llynwood Drive Vernon | 10/14/2014 |
| 78 Llynwood Drive        | 10/14/2014 |
| 12 Cubles Road           | 10/17/2014 |
| 18 Colonial Drive        | 10/17/2014 |
| 25 Llynwood Drive        | 10/17/2014 |
| 83 Llynwood Drive        | 10/17/2014 |
| 70 Llynwood Drive        | 10/21/2014 |
| 24 Llynwood Drive        | 10/29/2014 |
| 4 Llynwood Drive         | 11/3/2014  |
| 14 Lakeside Lane         | 11/7/2014  |
| 31 Llynwood Drive        | 11/12/2014 |
| 10 Colonial Road         | 11/17/2014 |
| 22 Anchorage Road        | 11/20/2014 |
| 145 Grier Road           | 11/21/2014 |
| 44 Llynwood Drive        | 11/24/2014 |

| 5 Sunningdale Lane   | 11/24/2014 |
|----------------------|------------|
| 33 Sunningdale Lane  | 11/25/2014 |
| 9 Llynwood Drive     | 11/25/2014 |
| 13 Llynwood Drive    | 12/1/2014  |
| 1069 Boston Turnpike | 12/4/2014  |
| 60 Cubles Road       | 12/4/2014  |
| 27 Llynwood Drive    | 12/5/2014  |
| 47 Llynwood Drive    | 12/5/2014  |
| 102 Tolland Road     | 12/8/2014  |
| 65 Llynwood Drive    | 12/8/2014  |
| 52 Llynwood Drive    | 12/11/2014 |
| 111 Tolland Road     | 12/15/2014 |
| 23 Colonial Road     | 12/15/2014 |
| 54 Tolland Road      | 12/15/2014 |
| 55 Tolland Road      | 12/16/2014 |
| 1212 Boston Turnpike | 12/18/2014 |
| 939 Boston Turnpike  | 12/18/2014 |
| 71 Llynwood Drive    | 12/22/2014 |
| 25 Plymouth Drive    | 12/23/2014 |
| 18 Llynwood Drive    | 1/14/2015  |
| 22 Llynwood Drive    | 1/14/2015  |
| 13 Juniper Lane      | 1/20/2015  |
| 15 Juniper Lane      | 1/20/2015  |
| 50 Llynwood Drive    | 2/12/2015  |
| 14 Llynwood Drive    | 3/10/2015  |
| 16 Miller Road       | 3/17/2015  |
| 12 Sycamore Road     | 3/18/2015  |
| 82 Llynwood Drive    | 4/9/2015   |
| 30 Tolland Road      | 4/14/2015  |
| 59 Cubles Road       | 4/16/2015  |
| 29 Anchorage Road    | 4/17/2015  |
| 11 Beverly Road      | 4/24/2015  |
| 17 Llynwood Drive    | 4/24/2015  |
| 67 Llynwood Drive    | 4/27/2015  |
| 68 Llynwood Drive    | 4/27/2015  |
| 18 Beverly Road      | 5/5/2015   |
| 55 Plymouth Lane     | 5/15/2015  |
| 33 Llynwood Drive    | 5/19/2015  |
| 6 High Meadow Lane   | 5/27/2015  |
| 1 Llynwood Drive     | 5/28/2015  |
| 17 Plymouth Lane     | 5/29/2015  |
| 33 Colonial Road     | 5/29/2015  |
| 12 Keeney Drive      | 6/9/2015   |

| 890 Boston Turnpike      | 6/9/2015  |
|--------------------------|-----------|
| 68 Wildwood Road         | 6/16/2015 |
| 11 Colonial Road         | 6/17/2015 |
| 39 Llynwood Drive        | 6/17/2015 |
| 10 Llynwood Drive        | 6/19/2015 |
| 31 Sunningdale Lane      | 6/19/2015 |
| 17 Sunset Lane           | 6/25/2015 |
| 1075 Boston Turnpike     | 7/7/2015  |
| 8 Colonial Road          | 7/13/2015 |
| 38 Llynwood Drive        | 7/14/2015 |
| 15 Plymouth Lane         | 7/20/2015 |
| 14 Juniper Lane          | 7/23/2015 |
| 5 Juniper Lane           | 7/23/2015 |
| 63 Llynwood Drive        | 7/23/2015 |
| 63 Cubles Road           | 7/27/2015 |
| 16 Cubles Road           | 7/28/2015 |
| 55 Llynwood Drive        | 7/30/2015 |
| 9 Sunset Lane            | 8/4/2015  |
| 28 Anchorage Road        | 8/10/2015 |
| 37 Llynwood Drive        | 8/14/2015 |
| 5 Miller Road            | 8/19/2015 |
| 34 Llynwood Drive Bolton | 8/20/2015 |
| 77 Llynwood Drive Vernon | 8/26/2015 |
| 24 Colonial Road         | 8/31/2015 |
| 42 Tolland Road          | 9/1/2015  |
| 5 Llynwood Drive Bolton  | 9/1/2015  |
| 38 Anchorage Road        | 9/2/2015  |
| 14 Beechwood Road        | 9/9/2015  |
| 135 Grier Road           | 9/10/2015 |
| 29 Grier Road            | 9/10/2015 |
| 139 Grier Road           | 9/11/2015 |
| 73 Grier Road            | 9/11/2015 |
| 20 Lakeview Drive        | 9/15/2015 |
| 9 Lakeview Drive         | 9/15/2015 |
| 14 Beechwood Road        | 9/16/2015 |
| 16 Wildwood Road         | 9/16/2015 |
| 21 Beechwood Road        | 9/16/2015 |
| 90 Wildwood Road         | 9/16/2015 |
| 50 Cubles Road           | 9/17/2015 |
| 86 Wildwood Road         | 9/17/2015 |
| 74 Wildwood Road         | 9/18/2015 |
| 103 Wildwood Road        | 9/21/2015 |
| 15 North Road            | 9/22/2015 |

| 19 Miller Road           | 9/23/2015  |
|--------------------------|------------|
| 144 Gier Road            | 10/1/2015  |
| 165 Grier Road           | 9/23/2015  |
| 97 Grier Road            | 10/2/2015  |
| 158 Grier Road           | 10/2/2015  |
| 84 Wildwood Road         | 10/7/2015  |
| 66 Wildwood Road         | 10/8/2015  |
| 82 Wildwood Road         | 10/9/2015  |
| 20 Tolland Road          | 10/13/2015 |
| 30 Lakeview Drive        | 10/14/2015 |
| 32 Lakeview Drive        | 10/14/2015 |
| 4 Cubles Road            | 10/14/2015 |
| 81 Colonial Drive        | 10/14/2015 |
| 34 Lakeview Drive        | 10/15/2015 |
| 38 Lakeview Drive        | 10/15/2015 |
| 44 Lakeview Drive        | 10/16/2015 |
| 48 Lakeview Drive        | 10/16/2015 |
| 157 Grier Road           | 10/19/2015 |
| 24 Lakeview Drive        | 10/19/2015 |
| 1 Cubles Drive           | 10/20/2015 |
| 123 Grier Road           | 10/21/2015 |
| 28 Lakeview Drive        | 10/21/2015 |
| 55 Wildwood Road         | 10/22/2015 |
| 54 Wildwood Road         | 10/23/2015 |
| 58 Grier Road            | 10/26/2015 |
| 61 Grier Road            | 10/27/2015 |
| 7 Juniper Lane           | 10/27/2015 |
| 81 Grier Road            | 10/27/2015 |
| 22 Sycamore Road         | 10/28/2015 |
| 16 Lakeview Drive        | 10/29/2015 |
| 22 Wildwood Road South   | 10/29/2015 |
| 80 Llynwood Drive        | 10/29/2015 |
| 69 Llynwood Drive        | 10/30/2015 |
| 9 Orchard Lane           | 11/2/2015  |
| 7 Cubles Drive           | 11/3/2015  |
| 78 Wildwood Road         | 11/9/2015  |
| 125 Grier Road           | 11/13/2015 |
| 1135 Boston Turnpike     | 12/19/2015 |
| 21 Llynwood Drive Vernon | 12/30/2015 |
| 32 Llynwood Drive        | 1/6/2016   |
| 4 Tolland Road           | 1/14/2016  |
| 6 Miller Road            | 1/18/2016  |
| 36 Llynwood Drive        | 1/19/2016  |

| 1173 Boston Turnpike      | 2/23/2016  |
|---------------------------|------------|
| 11 Llynwood Drive         | 3/31/2016  |
| 118 Wildwood              | 4/25/2016  |
| 87 Grier Road             | 4/27/2016  |
| 29 Llynwood Drive         | 5/9/2016   |
| 6 Lakeview Drive          | 5/23/2016  |
| 10 Lakeview Drive         | 5/24/2016  |
| 39 Grier Road             | 6/12/2016  |
| 1031 Boston Turnpike      | 6/26/2016  |
| 12 Juniper Lane           | 7/1/2016   |
| 76 Wildwood Road          | 7/12/2016  |
| 1 Lakeside Circle         | 8/16/2016  |
| 17 Lakeside Circle        | 8/16/2016  |
| 21 Llynwood Drive Bolton  | 9/9/2016   |
| 166 Grier Road            | 9/26/2016  |
| 73 Llynwood Drive         | 9/30/2016  |
| 74 Llynwood Drive Vernon  | 9/30/2016  |
| 21 Anchorage Road         | 10/19/2016 |
| 12 Colonial               | 11/4/2016  |
| 12 Lakeside Lane          | 11/4/2016  |
| 2 Llynwood Drive          | 12/1/2016  |
| 9 Cubles Drive            | 12/28/2016 |
| 19 Juniper Lane           | 6/26/2017  |
| 275 Boston Tpke           | 7/12/2017  |
| 8 Beechwood Rd            | 7/18/2017  |
| 32 Cubles Rd              | 8/16/2017  |
| 21 Beverly Road           | 9/1/2017   |
| 16 Beverly Lane/ 5 Laurel | 9/12/2017  |
| 43 Plymouth Lane          | 9/21/2017  |
| 45 Plymouth Lane          | 9/21/2017  |
| 23 Lakeside Circle        | 9/25/2017  |
| 10 Highmeadow             | 11/5/2017  |
| 121 Grier Road            | 4/4/2016   |
| 43 Grier Road             | 12/10/2015 |
| 94 Wildwood               | 6/3/2016   |
| 13 Llynwood Bolton        | 10/2/2015  |
| 15 Colonial Road          | 11/7/2014  |
| 129 Grier Road            | 11/30/2017 |
| 210 Hatch Hill Road       | 5/25/2016  |
| 55 Colonial Road          | 2/28/2018  |
| 10 High Meadow Road       | 11/1/2017  |
| 15 Lakeview Drive         | 3/22/2018  |
| 28 Foxcroft Road          | 3/22/2018  |

| 33 Cubles Drive            | 3/23/2018  |
|----------------------------|------------|
| 72 Wildwood Road           | 3/26/2018  |
| 226 Hatch Hill Road        | 3/27/2018  |
| 15 Wildwood Road           | 4/13/2018  |
| 1270 Boston Turnpike       | 5/1/2018   |
| 49 Grier Road              | 5/14/2018  |
| 186 Grier Road             | 6/19/2018  |
| 14 Llynwood Drive - Vernon | 6/20/2018  |
| 20 Llynwood Drive - Vernon | 6/21/2018  |
| 11 Cubles Drive - Bolton   | 7/26/2018  |
| 1120 Boston Turnpike       | 8/3/2018   |
| 72 Llynwood Drive - Vernon | 12/4/2015  |
| 12 Foxcroft Road - Vernon  | 9/14/2015  |
| 13 Colonial Road           | 12/6/2016  |
| 1066 Boston Turnpike       | 11/11/2013 |
| 10 Garth Lane              | 10/3/2018  |
| 48 Cubles Drive - Vernon   | 10/8/2018  |
| 110 Grier Road             | 10/15/2018 |
| 140 Grier Road             | 10/16/2018 |
| 9 Keeney Drive             | 10/4/2018  |
| 21 Colonial Drive          | 8/8/2018   |
| 674 Boston Turnpike        | 9/6/2018   |
| 104 Wildwood Rd.           | 1/7/2019   |
| 1 Tolland Rd               | 8/15/2019  |

#### FY2021 - April 26, 2021

|                                        | Adopted          | E  | Expenditures |
|----------------------------------------|------------------|----|--------------|
| Expenditures                           | Budget           |    | YTD          |
| Sewer Use Charges (Manchester)         | \$<br>76,000.00  | \$ | 45,852.65    |
| Grinder Pumps Maintenance              | \$<br>23,500.00  | \$ | 16,947.05    |
| Odor Control Station                   | \$<br>1,200.00   | \$ | 900.00       |
| Bixoide                                | \$<br>33,800.00  | \$ | 21,488.62    |
| Setic Pumping                          | \$<br>5,864.00   | \$ | 3,300.00     |
| Engineering                            | \$<br>4,000.00   | \$ | 23,139.26    |
| Equipment                              | \$<br>-          | \$ | 3,206.73     |
| Miscellanous Exp. (Admin. & Operation) | \$<br>5,022.00   | \$ | 6,497.22     |
|                                        |                  |    |              |
| Total                                  | \$<br>149,386.00 | \$ | 121,331.53   |

#### Bank Balances as of 3/31/21

| Bank of America            | \$<br>780,330.37 |
|----------------------------|------------------|
| Bank Balances as of 4/9/21 |                  |
| Webster Bank               | \$<br>146,058.93 |

| Budget            | Current % |
|-------------------|-----------|
| Balance           | Expended  |
| \$<br>30,147.35   | 60.33%    |
| \$<br>6,552.95    | 72.12%    |
| \$<br>300.00      | 75.00%    |
| \$<br>12,311.38   | 63.58%    |
| \$<br>2,564.00    | 56.28%    |
| \$<br>(19,139.26) | 578.48%   |
| \$<br>(3,206.73)  | N/A       |
| \$<br>(1,475.22)  | 129.38%   |
|                   |           |
| \$<br>28,054.47   | 81.22%    |

#### COLLECTOR OF REVENUE SUMMARY OF MONIES PAID TO BLRWPCA TREASURER FOR THE MONTH OF MARCH

| DATE     | ITEM                  | CHECK   | ONLINE | CASH | ASSESSMEN                             | USER     | TOTAL    |
|----------|-----------------------|---------|--------|------|---------------------------------------|----------|----------|
| 03/04/21 | 3/4 REC               | 200.00  | 0.00   | 0.00 | 200.00                                | 0.00     | 200.00   |
| 03/11/21 | 3/10 REC              | 202.11  | 0.00   | 0.00 | 0.00                                  | 202.11   | 202.11   |
| 03/24/21 | 3/24 REC              | 200.00  | 0.00   | 0.00 | 0.00                                  | 200.00   | 200.00   |
| 03/26/21 | 3/25-3/26 REC         | 3301.32 | 0.00   | 0.00 | 0.00                                  | 3301.32  | 3301.32  |
| 03/29/21 | 3/29 REC              | 4900.00 | 0.00   | 0.00 | 0.00                                  | 4900.00  | 4900.00  |
| 03/30/21 | 3/30 REC              | 1206.00 | 0.00   | 0.00 | 0.00                                  | 1206.00  | 1206.00  |
| 03/31/21 | 3/31 REC              | 4200.00 | 0.00   | 0.00 | 0.00                                  | 4200.00  | 4200.00  |
|          |                       |         |        |      |                                       |          | 0.00     |
|          |                       |         |        |      |                                       |          | 0.00     |
|          |                       |         |        |      |                                       |          | 0.00     |
|          |                       |         |        |      |                                       |          | 0.00     |
|          |                       |         |        |      |                                       |          | 0.00     |
|          |                       |         |        |      |                                       |          | 0.00     |
|          |                       |         |        |      |                                       |          | 0.00     |
|          |                       |         |        |      |                                       |          | 0.00     |
|          |                       |         |        |      |                                       |          | 0.00     |
|          |                       |         |        |      | · · · · · · · · · · · · · · · · · · · |          | 0.00     |
|          |                       |         |        |      |                                       | 1        | 0.00     |
|          |                       |         |        |      |                                       |          | 0.00     |
|          | SUBTOTAL              |         |        |      | 200.00                                | 14009.43 |          |
|          |                       | 1       |        |      |                                       |          |          |
|          | REMITTANCE TO BLRWPCA |         |        |      |                                       | TOTAL    | 14209.43 |
|          |                       |         |        |      |                                       |          |          |
|          |                       |         |        |      |                                       |          |          |
|          |                       |         |        |      |                                       |          |          |
|          | INSERETURN ITEM       |         |        |      |                                       |          |          |
|          | TOTAL NET SEWER       |         |        |      |                                       |          | 14209.43 |

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#### POSTED BATCH REPORT BY BATCH NUMBER

| ASSM<br>SEWER ASSESSMENT: 1    | CURRENT :<br>CURRENT : | 0.00 | BACK :       | 200.00<br>BACK:       | 200.00 |              |                         |                         |         |         |       |
|--------------------------------|------------------------|------|--------------|-----------------------|--------|--------------|-------------------------|-------------------------|---------|---------|-------|
| AU 511                         | CORRENT -              | 0.00 | BACK .       | 200.00                |        |              |                         |                         |         |         |       |
| ASSM                           | CURRENT :              | 0.00 | BACK :       | 200.00                | 0.00   | 0.00         | 110.00                  | 200.00                  |         |         |       |
| TYPE P                         |                        |      | 0.00         | 83.40                 | 0.00   | 0.00         | 116.60                  | 200.00                  | ALC -   | 0.00    |       |
| GRAND TOTAL (1)                |                        |      | 0.00         | 83.40                 | 0.00   | 0.00         | 116.60                  | 200.00                  | AD,T =  | 0.00    |       |
| TOT ACTIVE [1]<br>TOTAL:       |                        |      | 0.00<br>0.00 | 83.40<br><i>83.40</i> | 0.00   | 0.00<br>0.00 | 116.60<br><i>116.60</i> | 200.00<br><i>200.00</i> | ADJ =   | 0.00    |       |
| TOTAD.                         |                        |      | 0.00         | 01.40                 | 0.00   | 0.00         | 110.00                  | 200.00                  | 1212.12 | 101 201 |       |
| TOT BACK/YR [1] ASSI<br>TOTAL: | Ą.                     |      | 0.00         | 83.40<br><i>83.40</i> | 0.00   | 0.00         | 116.60<br>116.60        | 200.00                  | ADJ =   | 0.00    |       |
| TOT BACK/YR [1] ASS            | M                      |      | 0.00         | 83.40                 | 0.00   | 0.00         | 116 60                  | 200.00                  | abi =   | 0.00    | 03701 |

#### POSTED BATCH REPORT BY BATCH NUMBER

| OFFICE O<br>TOTAL ON<br>BILL #              | F TAX COLLECT<br>LY : YES BAT<br>S TAX | OR BOLTON <b>L</b><br>CH# 0 TERM# 0<br>XPAYER | AKES REGIONAL WE<br>PAYDATE : 03/01/<br>TYPE | CA TYPE: TO<br>2021 TO 03/3<br>TOWN | OWN CASH: TOWN<br>1/2021 CYCLE : C<br>INTEREST | DATE:<br>9 - MARCH<br>LIEN | 04/01/2021<br>PAY TYPE : A<br>FEES | TIME: 16:56:08<br>LL TAX/DEF : 7<br>B-INT | PAGE: 1<br>Tax and Deferred<br>TOTAL DATE-1 | TYPE : 06 SU<br>PAID TO OVE DE | R# BATCH# SEQ# | # CFK BK |
|---------------------------------------------|----------------------------------------|-----------------------------------------------|----------------------------------------------|-------------------------------------|------------------------------------------------|----------------------------|------------------------------------|-------------------------------------------|---------------------------------------------|--------------------------------|----------------|----------|
| BATCH                                       | 659 13                                 |                                               |                                              | 193.00                              | 9.11                                           | 0.00                       | 0.00                               | 0.00                                      | 202.11                                      | ADJ =                          | 0.00           | 03/10/2  |
| BATCH                                       | 660 13                                 |                                               |                                              | 195.50                              | 4.50                                           | 0.00                       | 0.00                               | 0.00                                      | 200.00                                      | ADJ =                          | 0.00           | 03/24/2  |
| BATCH                                       | 661 13                                 |                                               |                                              | 3,296.95                            | 4.37                                           | 0.00                       | 0.00                               | 0.00                                      | 3,301.32                                    | ADJ =                          | 0.00           | 03/26/2  |
| BATCH                                       | 662 13                                 |                                               |                                              | 4,900.00                            | 0.00                                           | 0.00                       | 0.00                               | 0.00                                      | 4,900.00                                    | ADJ =                          | 0.00           | 03/29/2  |
| BATCH                                       | 663 13                                 |                                               |                                              | 1,201.50                            | 4.50                                           | 0.00                       | 0.00                               | 0.00                                      | 1,206.00                                    | ADJ =                          | 0.00           | 03/30/2  |
| BATCH                                       | 664 13                                 |                                               |                                              | 4,200.00                            | 0.00                                           | 0.00                       | 0.00                               | 0.00                                      | 4,200.00                                    | ADJ =                          | 0.00           | 03/31/2  |
| BATCH                                       | 1307 2                                 |                                               |                                              | 0.00                                | 0.00                                           | 0.00                       | 0.00                               | 0.00                                      | 0.00                                        | ADJ =                          | -100.00        | 03/22/2  |
| TOT CUR/<br>TOTAL:                          | YR [103] USE                           |                                               |                                              | 13,986.95<br>13 <i>,986.95</i>      | 22.48<br>22.48                                 | 0.00                       | 0.00<br>0.00                       | 0.00<br>0.00                              | 14,009.43<br>14,009.43                      | ADJ =                          | -100.00        |          |
| TOT ACTI<br>TOTAL:                          | VE [103]                               |                                               |                                              | 13,986.95<br>1 <i>3,986</i> .95     | 22.48<br>22.48                                 | 0.00<br>0.00               | 0. <b>0</b> 0<br>0.00              | 0.00<br><i>0.00</i>                       | 14,009.43<br>14,009.43                      | ADJ =                          | -100.00        |          |
| TOT ADJU                                    | STMENT [1]                             |                                               |                                              | -100.00                             | ASSM:                                          | 0                          | EXEMP:                             | 0                                         | -100.00                                     |                                |                |          |
| GRAND TC                                    | TAL [103]                              |                                               |                                              | 13,986.95                           | 22.48                                          | 0.00                       | 0-00                               | 0.00                                      | 14,009.43                                   | ADJ =                          | -100.00        |          |
| TYPE P<br>USE                               |                                        | CURRENT:                                      | 14,009.43                                    | 13,986.95<br>BACK :                 | 22.48<br>0.00                                  | 0.00                       | 0.00                               | 0.00                                      | 14,009.43                                   |                                |                |          |
| SEWER US                                    | AGE: 103                               | CURRENT:                                      | 14,009.43                                    |                                     | BACK:                                          | 0.                         | 00                                 |                                           |                                             |                                |                |          |
| RECEIPT TOTAL<br>CASH TOTAL<br>CHANGE TOTAL |                                        | 14,009.43<br>0.00<br>0.00                     |                                              |                                     |                                                |                            |                                    |                                           |                                             |                                |                |          |
| CASH B<br>CHECK<br>CREDIT<br>DEPOSI         | ALANCE<br>TOTAL<br>TOTAL<br>T TOTAL    | 14,(                                          | 0.00<br>009.43<br>0.00<br>009.43 *** (1      | EXCLUDE CR                          | EDIT CARD)                                     |                            |                                    |                                           |                                             |                                |                |          |
| DEPOSI                                      | T TOTAL                                | 14,0                                          | 009.43                                       | Constant of                         |                                                |                            |                                    |                                           |                                             |                                |                |          |

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|            |           |           |          | Assess   | Prior     | Prior   | Prior    |        | Assess |                |           | User fee |           |           |        | warrant |             |           |
|------------|-----------|-----------|----------|----------|-----------|---------|----------|--------|--------|----------------|-----------|----------|-----------|-----------|--------|---------|-------------|-----------|
| Date of    | Total     | Assess    | Assess   | interest | Assess    | Assess  | Assess   | Assess | other  |                | User fee  | Interest |           | Prior fee | Lien   | other   | Advanced    |           |
| deposit    | Assess    | Principal | BINT     | current  | Principal | BINT    | Interest | Lien   | fees   | Total User     | current   | current  | Prior Fee | interest  | Fees   | fees    | Collections | Total Dep |
| July       | 165.96    | 163.51    | 0.00     | 2.45     | 0.00      | 0.00    | 0.00     | 0.00   | 0.00   | 15731.91       | 15505.50  | 0.00     | 212.00    | 14.41     | 0.00   | 0.00    | 0.00        | 15897.87  |
| August     | 0.00      | 0.00      | 0.00     | 0.00     | 0.00      | 0.00    | 0.00     | 0.00   | 0.00   | 5133.77        | 2983.42   | 23.79    | 1645.45   | 403.11    | 72.00  | 6.00    | 0.00        | 5133.77   |
| September  | 15437.76  | 14890.74  | 422.75   | 76.27    | 0.00      | 0.00    | 0.00     | 48.00  | 0.00   | 16716.29       | 16202.85  | 44.99    | 354.36    | 114.09    | 0.00   | 0.00    | 0.00        | 32154.05  |
| October    | 56492.84  | 48173.44  | 8155.17  | 68.23    | 0.00      | 0.00    | 0.00     | 96.00  | 0.00   | 25872.03       | 23301.26  | 75.27    | 2582.04   | -140.54   | 48.00  | 6.00    | 0.00        | 82364.87  |
| November   | 161061.32 | 128777.69 | 30928.88 | 112.22   | 858.40    | 148.08  | 140.05   | 96.00  | 0.00   | 4933.23        | 4716.62   | 75.34    | 104.77    | 12.50     | 24.00  | 0.00    | 0.00        | 165994.55 |
| December   | 20506.34  | 14459.92  | 3065.33  | 312.39   | 1760.46   | 469.06  | 439.18   | 0.00   | 0.00   | 5567.87        | 5521.37   | 46.50    | 0.00      | 0.00      | 0.00   | 0.00    | 0.00        | 26074.21  |
| January    | 16925.61  | 12645.59  | 1053.38  | 159.42   | 1728.35   | 539.28  | 751.59   | 48.00  | 0.00   | 35023.71       | 34720.70  | 151.79   | 111.01    | 16.21     | 24.00  | 0.00    | 0.00        | 51949.32  |
| February   | 11194.53  | 8896.09   | 635.91   | 112.41   | 896.99    | 334.08  | 295.05   | 24.00  | 0.00   | 4342.40        | 4273.19   | 69.21    | 0.00      | 0.00      | 0.00   | 0.00    | 0.00        | 15536.93  |
| March      | 200.00    | 0.00      | 0.00     | 0.00     | 0.00      | 116.60  | 83.40    | 0.00   | 0.00   | 14009.43       | 13986.95  | 22.48    | 0.00      | 0.00      | 0.00   | 0.00    | 0.00        | 14209.43  |
| April      | 0.00      | 0.00      | 0.00     | 0.00     | 0.00      | 0.00    | 0.00     | 0.00   | 0.00   | 0.00           | 0.00      | 0.00     | 0.00      | 0.00      | 0.00   | 0.00    | 0.00        | 0.00      |
| Мау        | 0.00      | 0.00      | 0.00     | 0.00     | 0.00      | 0.00    | 0.00     | 0.00   | 0.00   | 0.00           | 0.00      | 0.00     | 0.00      | 0.00      | 0.00   | 0.00    | 0.00        | 0.00      |
| June       | 0.00      | 0.00      | 0.00     | 0.00     | 0.00      | 0.00    | 0.00     | 0.00   | 0.00   | 0.00           | 0.00      | 0.00     | 0.00      | 0.00      | 0.00   | 0.00    | 0.00        | 0.00      |
| Year Total | 281984.36 | 228006.98 | 44261,42 | 843.39   | 5244.20   | 1607.10 | 1709.27  | 312.00 | 0.00   | <br> 127330.64 | 121211.86 | 509.37   | 5009.63   | 419.78    | 168.00 | 12.00   | 0.00        | 409315.00 |

\*BINT IS BOND INTEREST