



# **Bolton Lakes Regional Water Pollution Control Authority**

222 Bolton Center Rd • Bolton, CT 06043 • <http://www.blrwpc.com>

Phone (860) 649-8066 • Fax (860) 643-0021

**WEDNESDAY, 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.**

**DISCUSSION:** 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,

A handwritten signature in black ink, appearing to read 'J. Kelly', written in a cursive style.

Joshua Steele Kelly, Administrator

**From:** [Rupert, Jim](#)  
**To:** [Silver, Gary](#)  
**Subject:** Fwd: Bolton Dental Water Usage  
**Date:** Monday, April 26, 2021 10:03:01 AM

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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](#)

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**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*

**From:** [Rupert, Jim](#)  
**To:** [Silver, Gary](#)  
**Subject:** Fwd: BLRWPCA  
**Date:** Monday, April 26, 2021 10:03:56 AM  
**Attachments:** [image001.png](#)  
[Valve Exercising Operating Guidelines.doc](#)

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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

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**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 8<sup>th</sup>). 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,



Joe

---

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](http://www.nlja.com) • [jdillon@nlja.com](mailto: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.

- **Valve Exercising and Maintenance Program Assessment** (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
  - o 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:

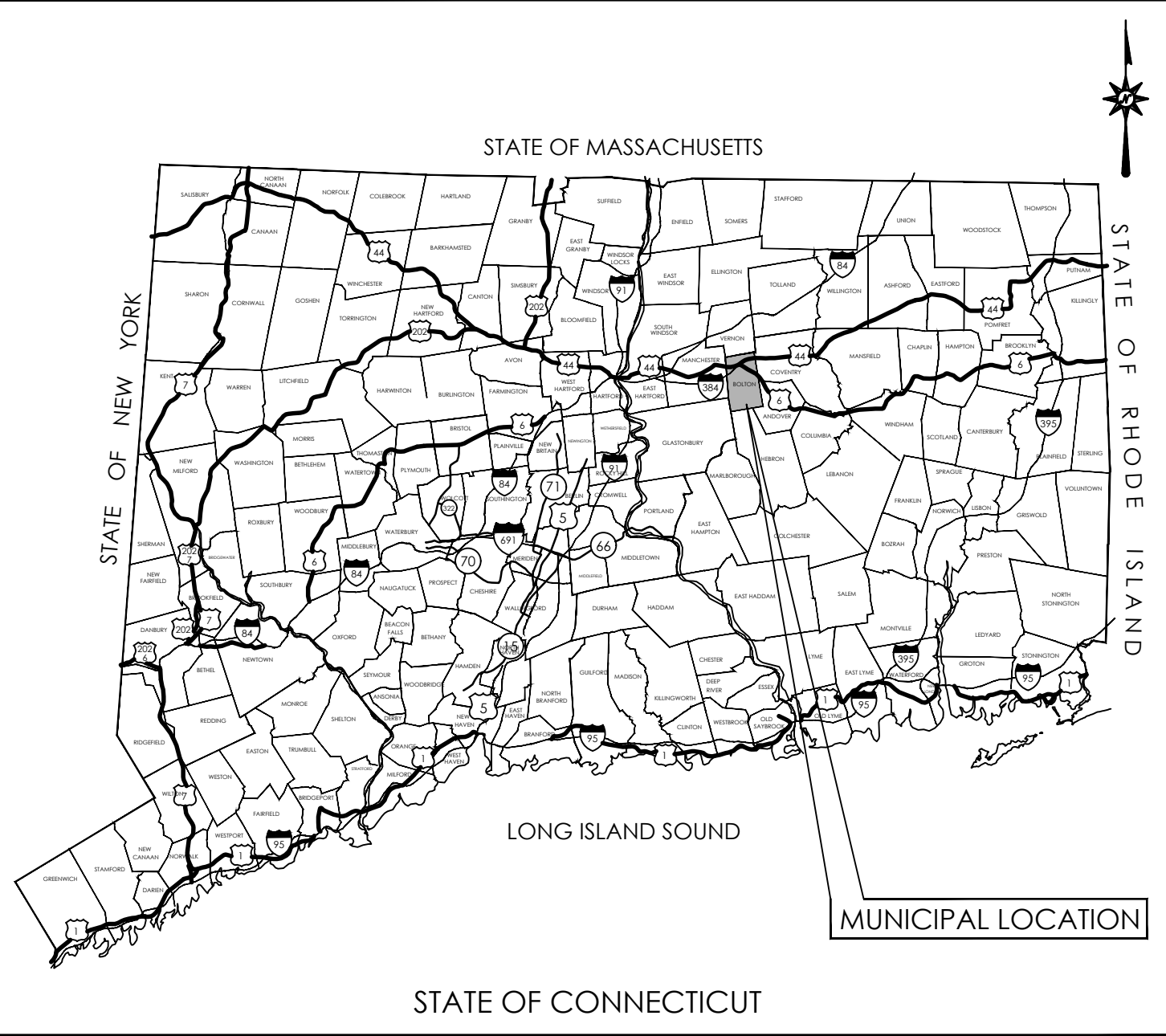
Water-Wastewater (Gallons)			
Date	IP Percent	Volume	Cost
05/2016	100%	1,437	\$ 30
06/2016	100%	1,437	\$ 30
07/2016	100%	1,437	\$ 30
08/2016	100%	1,553	\$ 31
09/2016	100%	1,553	\$ 31
10/2016	100%	1,553	\$ 31
11/2016	100%	1,402	\$ 30
12/2016	100%	1,402	\$ 30
01/2017	100%	1,402	\$ 30
02/2017	100%	1,647	\$ 32
03/2017	100%	1,647	\$ 32
04/2017	100%	1,647	\$ 32
<b>Total</b>		<b>18,117</b>	<b>\$ 369</b>

18,117 gallons/365 days = 49.6 gallons/day

gacy View) - 1 - 13302 - Torrington, CT  
Cost & Usage Monthly Report

Unit Cost
\$ 0.021
\$ 0.021
\$ 0.021
\$ 0.02
\$ 0.02
\$ 0.02
\$ 0.021
\$ 0.021
\$ 0.021
\$ 0.019
\$ 0.019
\$ 0.019
<b>\$ 0.02</b>





LOCATION MAP  
N.T.S.

# 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



VICINITY MAP  
SCALE: 1"=800'

**CONTENTS**

	TITLE SHEET
	ALTA/NSPS LAND TITLE SURVEY (BY OTHERS)
	2-LOT SUBDIVISION PLAN (BY OTHERS)
GN-1	GENERAL NOTES
DM-1	DEMOLITION PLAN
SP-1	SITE PLAN
TT-1	TRUCK TURNING PLAN - WB-67
GD-1	GRADING AND DRAINAGE PLAN
SU-1	SITE UTILITIES PLAN
EC-1	SEDIMENT AND EROSION CONTROL PLAN
EC-2	SEDIMENT AND EROSION CONTROL NOTES
LL-1	LANDSCAPING PLAN
LL-2	LANDSCAPING DETAILS AND NOTES
SD-1	INTERSECTION SITE DISTANCE PLAN
DN-1 TO DN-6	DETAILS SHEET
	SITE LIGHTING PHOTOMETRICS PLAN (BY OTHERS)
	ARCHITECTURAL CONCEPTUAL ELEVATIONS (BY OTHERS)
	ARCHITECTURAL CONCEPTUAL FLOOR PLAN (BY OTHERS)

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

**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 \_\_\_\_\_

<p>DEVELOPER:</p> <p>GARRETT HOMES, LLC 59 FIELD STREET TORRINGTON, CT 06790</p>	<p>OWNER:</p> <p>1100 BOSTON TRUNPIKE LLC C/O JOEL ROSENLICHT 483 MIDDLE TURNPIKE WEST, SUITE 102 MANCHESTER, CT 06040</p>
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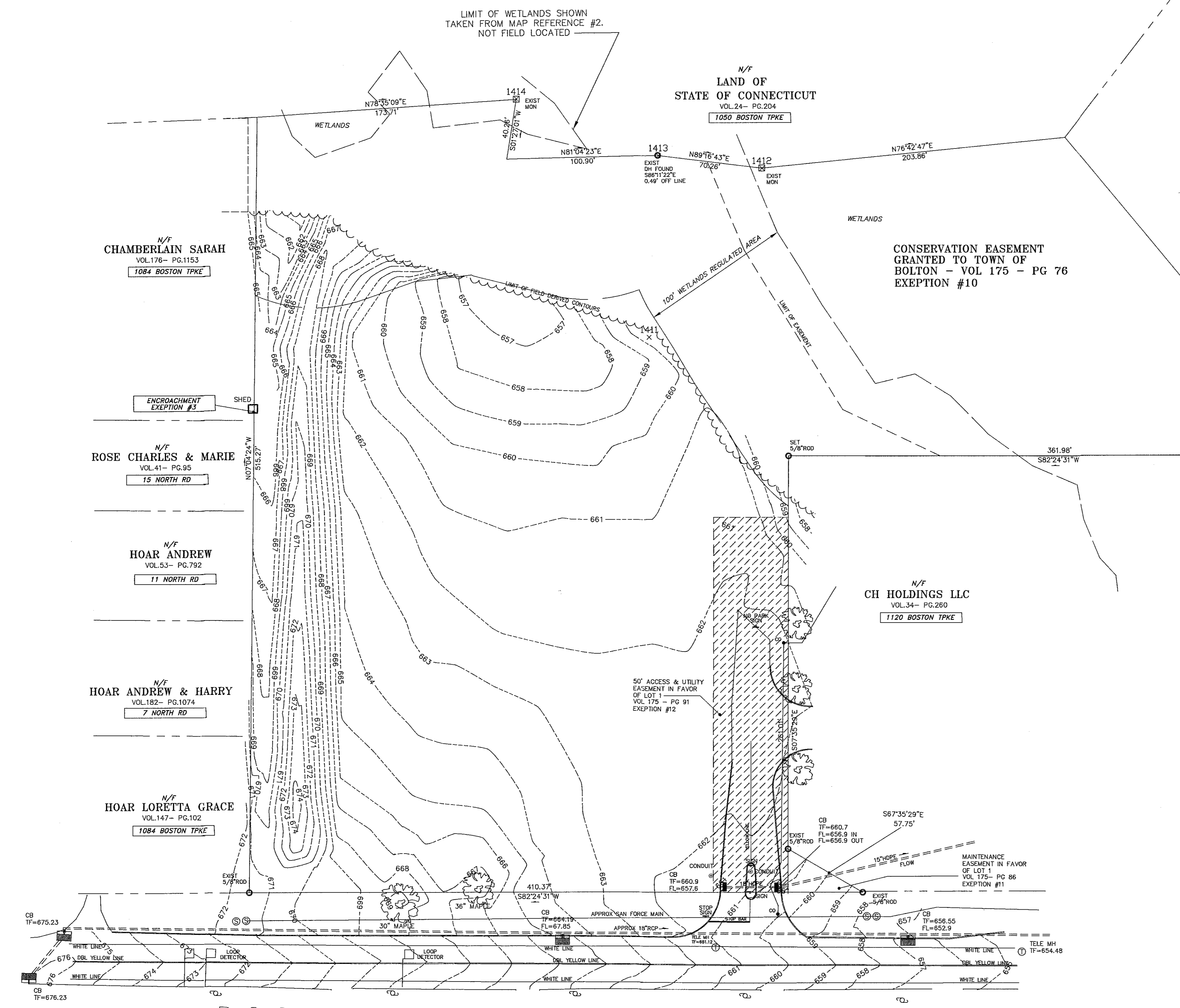
**DATES**

ISSUE DATE: APRIL 2, 2021



LEGEND

- STORM SEWER
- CONTOUR LINE
- FOLIAGE LINE
- FENCE
- IRON PIN
- CURB CATCHBASIN
- UTILITY POLE
- TELEPHONE MANHOLE
- SANITARY MANHOLE
- CONDUIT
- SIGN



**LEGAL DESCRIPTION - 1100 BOSTON TURNPIKE:**  
 COMMENCING AT AN EXISTING 5/8" ROD IN THE NORTHERLY HIGHWAY LINE OF RT 44 ALSO KNOWN AS BOSTON TURNPIKE, MARKING THE SOUTHEAST CORNER OF THE PROPERTY BEING DESCRIBED HEREIN AND THE SOUTHWEST CORNER OF LAND NOW OR FORMALLY OF CH HOLDINGS LLC; THENCE ALONG THE NORTHERLY HIGHWAY LINE OF SAID BOSTON TURNPIKE S82°24'31"W, 410.30' TO AN EXISTING 5/8" ROD MARKING THE SOUTHEASTERN CORNER OF LAND NOW OR FORMERLY OF LORETTA GRACE HOAR AND THE SOUTHWESTERLY CORNER OF LAND BEING DESCRIBED HEREIN; THENCE ALONG LANDS OF HARRY AND ANDREW HOAR, ANDREW HOAR, MARIE AND CHARLES ROSE, AND SARAH CHAMBERLIN PARTLY BY EACH N07°04'24"W, 515.27 TO A POINT MARKING NORTHEAST CORNER OF LAND NOW OR FORMERLY OF SARAH CHAMBERLAIN AND THE NORTHWEST CORNER OF LAND BEING DESCRIBED HEREIN; THENCE ALONG THE SOUTHERLY LINE OF LAND NOW OR FORMERLY OF STATE OF CONNECTICUT THE FOLLOWING FIVE COURSES:  
 N78°35'09"E, 173.71, S01°27'01"W, 40.26', N81°04'23"E, 100.90', N89°16'43"E, 70.26', N76°42'47"E, 203.86, TO A POINT MARKING THE NORTHWEST CORNER OF LAND NOW OR FORMERLY OF MISSIONARY SOCIETY FOR THE DIOCESE AND THE NORTHEAST CORNER OF LAND BEING DESCRIBED HEREIN; THENCE ALONG LAND OF SAID MISSIONARY FOR THE DIOCESE OF CONNECTICUT S47°34'01"E, 275.82', TO A POINT MARKING THE NORTHEAST CORNER OF SAID CH HOLDING LLC; THENCE ALONG SAID CH HOLDINGS LLC S82°24'31"W, 361.98, TO A POINT MARKING THE NORTHWEST CORNER OF SAID CH HOLDING LLC, THENCE ALONG SAID CH HOLDING LLC S07°35'29"E, 261.01', TO AN EXISTING 1/4" ROD; THENCE CONTINUING ALONG CH HOLDING LLC S67°35'29"E, 57.75', TO THE POINT AND PLACE OF BEGINNING CONTAINING 236,912.34 OR 5.44 ACRES.

N/F  
**THE MISSIONARY SOCIETY FOR THE DIOCESE OF CONNECTICUT**  
 VOL.34 - PG.260  
 1150 BOSTON TPKE

N/F  
**CH HOLDINGS LLC**  
 VOL.34 - PG.260  
 1120 BOSTON TPKE

N/F  
**ROSE CHARLES & MARIE**  
 VOL.41 - PG.95  
 15 NORTH RD

N/F  
**HOAR ANDREW**  
 VOL.53 - PG.792  
 11 NORTH RD

N/F  
**HOAR ANDREW & HARRY**  
 VOL.182 - PG.1074  
 7 NORTH RD

N/F  
**HOAR LORETTA GRACE**  
 VOL.147 - PG.102  
 1084 BOSTON TPKE

NOTES:

1. THIS SURVEY HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INCORPORATED ON SEPTEMBER 26, 1996.
2. TYPE OF SURVEY = PROPERTY SURVEY
3. BOUNDARY DETERMINATION CATEGORY = DEPENDENT RE-SURVEY
4. OWNERS OF RECORD - 1100 BOSTON TURNPIKE LLC (Vol. 141- Pg 790)
5. TOTAL AREA - 236912 S.F. OR 5.439 Ac.
6. ZONE - RMUZ
7. ELEVATIONS BASED ON NAVD 88 DATUM (MAP REFERENCE #2)
8. NO EVIDENCE OF RECENT EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADDITIONS OBSERVED.
9. NO INFORMATION OF PROPOSED CHANGES IN STREET RIGHT OF WAY LINES HAS BEEN MADE AVAILABLE TO SURVEYOR, NO EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION OR REPAIRS OBSERVED.
10. NO WETLAND DELINEATION OBSERVED
11. PROPERTY LIES WITHIN FLOOD ZONE X - AREA OF MINIMAL FLOOD HAZARD, AS SHOWN ON MAP ENTITLED "FIRM - FLOOD INSURANCE RATE MAP - TOWN OF BOLTON, CONNECTICUT- TOLLAND COUNTY - PANEL 1 OF 3 COMMUNITY PANEL NUMBER 090109 0001 B WITH AN EFFECTIVE DATE OF JUNE 1 1981 AND PREPARED BY FEDERAL EMERGENCY MANAGEMENT AGENCY.
12. REFER TO VOL 72 - PG 443 FOR POSSIBLE EFFECTS OF SPECIAL PERMIT GRANTED ON APRIL 4, 1990 - EXEPTION #9
13. UNDERGROUND UTILITIES, STRUCTURE AND FACILITY LOCATIONS DEPICTED AND NOTED HEREON HAVE BEEN COMPILED, IN PART, FROM RECORD MAPPING SUPPLIED BY THE RESPECTIVE UTILITY COMPANIES OR GOVERNMENTAL AGENCIES, FROM PAROLE TESTIMONY AND FROM OTHER SOURCES. THESE LOCATIONS ARE APPROXIMATE AND OTHER SUCH FEATURES MAY EXIST UNKNOWN TO DUFOUR SURVEYING AND OTHER SUCH FEATURES LOCATION AND EXISTENCE OF ALL SUCH FEATURES MUST BE FIELD DETERMINED AND VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO CONSTRUCTION. CALL BEFORE YOU DIG 1-800-922-4455

FIRST AMERICAN TITLE INSURANCE COMPANY - COMMITMENT FOR TITLE INSURANCE : COMMITMENT No. CT5142976 - DATED JANUARY 8, 2021 CERTIFIED TO: CALITO DEVELOPMENT LLC FIRST AMERICAN TITLE INSURANCE COMPANY

THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2016 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES TABLE A ITEMS 2,3,4,5,8,11,13,16,17,18 AND 19.

SCHEDULE B, PART II, EXCEPTIONS:  
 1. NON-SURVEY ISSUE  
 2. NON SURVEY ISSUE  
 3. PLOTTED  
 4. NON SURVEY ISSUE  
 5. NON SURVEY ISSUE  
 6. NON SURVEY ISSUE  
 7. NON SURVEY ISSUE  
 8. NON SURVEY ISSUE  
 9. PLOTTED - NOTE 12  
 10. PLOTTED  
 11. PLOTTED  
 12. PLOTTED

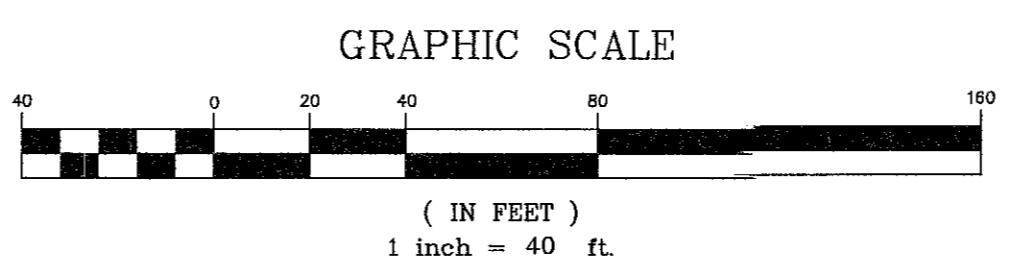
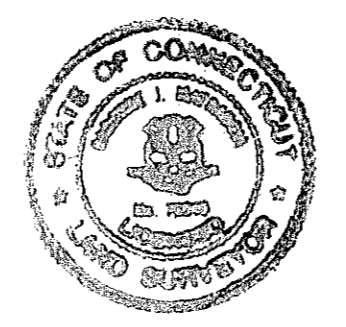
FIELD WORK WAS COMPLETED ON FEBRUARY 17, 2021

DATE: 3/31/2021  
 CARMINE J. MATRASCIA - LS#70219

MAP REFERENCES :

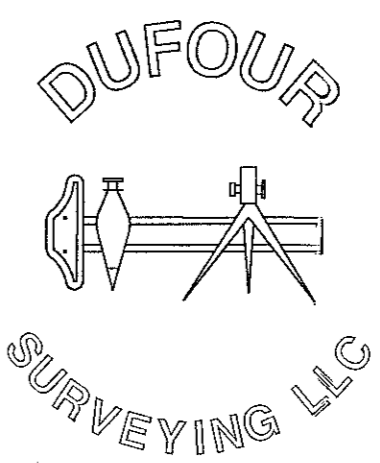
1. "LOT SPLIT PLAN & EASEMENT PLAN - PREPARED FOR - 1100 BOSTON TURNPIKE, LLC - 1100 BOSTON TURNPIKE - BOLTON, CT - MAP 05 LOT 81 - ZONE: RMUZ", scale 1" = 40', dated 7-18-17, revised to 9-28-17 and prepared by J R Russo & Associates LLC, Surveyors - Engineers.
2. "AS-BUILT PLAN - BOLTON COMETIC & FAMILY DENTISTRY - 1120 BOSTON TURNPIKE - BOLTON, CT - MAP 05 LOT 81-1 ZONE: RMUZ", scale 1" = 20', dated 7-24-18 and prepared by JR Russo & Associates, LLD Surveyors - Engineers
3. "CONNECTICUT - STATE HIGHWAY DEPARTMENT - RIGHT OF WAY MAP - TOWN OF BOLTON - HARTFORD-WILLMANTIC ROAD - FROM THE COVENTRY TOWN LINE - WESTERLY ABOUT 6,300 FEET - ROUTES U.S. 6 & U.S. 44", scale 1" = 40', dated Oct. 31, 1935 and prepared by Connecticut State Highway Department
4. "SOME LAND - OF THE ESTATE OF - ALBERT N. SKINNER - TOWN OF BOLTON CONN." - scale 1"=50', dated Nov. 20, 1968 and prepared by Everett O. Gardner L.S 4349

BOSTON TURNPIKE (RTE. 44)



TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON. THIS MAP AND SURVEY WERE PREPARED IN ACCORDANCE WITH THE STANDARDS OF A CLASS A-2 & T-2 SURVEY AS DEFINED IN THE CODE OF PRACTICE FOR STANDARDS OF ACCURACY OF SURVEYS AND MAPS, ADOPTED SEPT. 26, 1996 AS AMENDED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INCORPORATED.

Carmine J. Matrascia  
 CARMINE J. MATRASCIA - L.S. #70219  
 NOT VALID WITHOUT EMBOSSED SEAL



ALTA/NSPS LAND TITLE SURVEY		
PREPARED FOR: CALITO DEVELOPMENT, LLC		
1100 BOSTON TPKE, RTE 44, BOLTON, CT		
SCALE: 1" = 40'	APPROVED: CARMINE J. MATRASCIA - L.S. #70219	
DATE: 02-18-2021	JOB NO.: 21-05	FILE NO.: 21-05
DUFOUR SURVEYING LLC 575 NORTH MAIN STREET BRISTOL, CONNECTICUT 860-314-0502 860-738-0222		

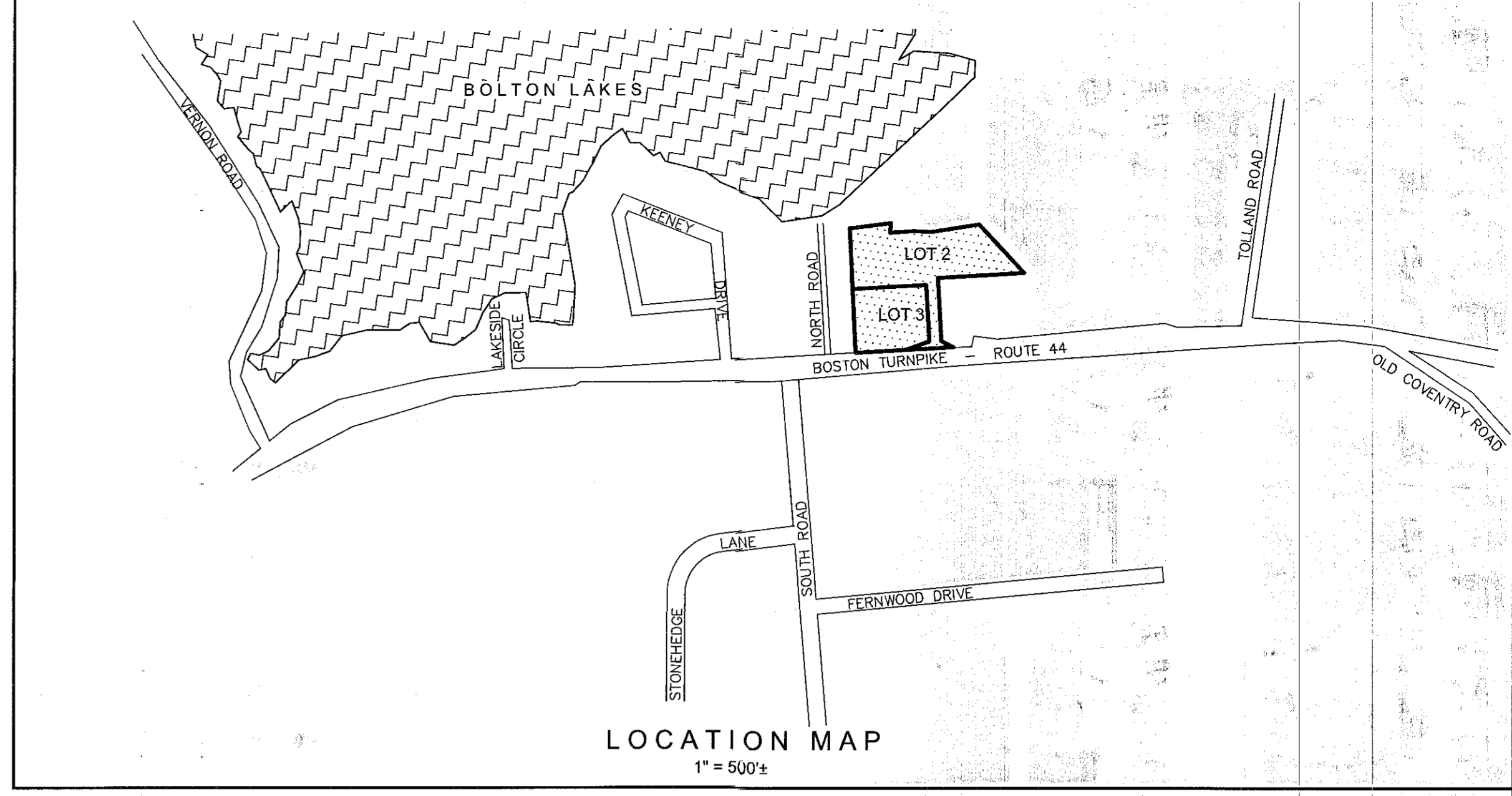
REVISED 3/31/2021 : ADD WETLANDS LIMITS  
 REVISED 3/22/2021 : CORRECTED ZONE RMUZ

**LEGEND**

- STONE WALL
- SANITARY SEWER
- ELECTRIC LINE
- PROPANE LINE
- FENCE
- STORM SEWER
- CONTOUR LINE
- FOLIAGE LINE
- IRON PIN
- SURVEY MONUMENT
- DRILL HOLE
- CURB CATCHBASIN
- CURBLESS CATCHBASIN
- UTILITY POLE
- UTILITY POLE WITH GUY
- WATER GATE VALVE
- GAS GATE VALVE
- HYDRANT

**ZONING REQUIREMENTS**

ZONE - RMUZ
MINIMUM LOT AREA = 80,000 S.F.
MINIMUM LOT WIDTH = 150'
MINIMUM SETBACKS -
FRONT = 25'
SIDE = 25' (50' WHEN ABUTTING RESIDENTIAL ZONE)
REAR = 25' (50' WHEN ABUTTING RESIDENTIAL ZONE)
MINIMUM LANDSCAPE AREA = 30%
MAXIMUM BUILDING HEIGHT = 35' or 2.5 STORIES
MINIMUM FLOOR AREA - 600 S.F.(GROUND FLOOR)
MAXIMUM LOT COVERAGE = 25%
MAXIMUM IMPERVIOUS SURFACE = 50%



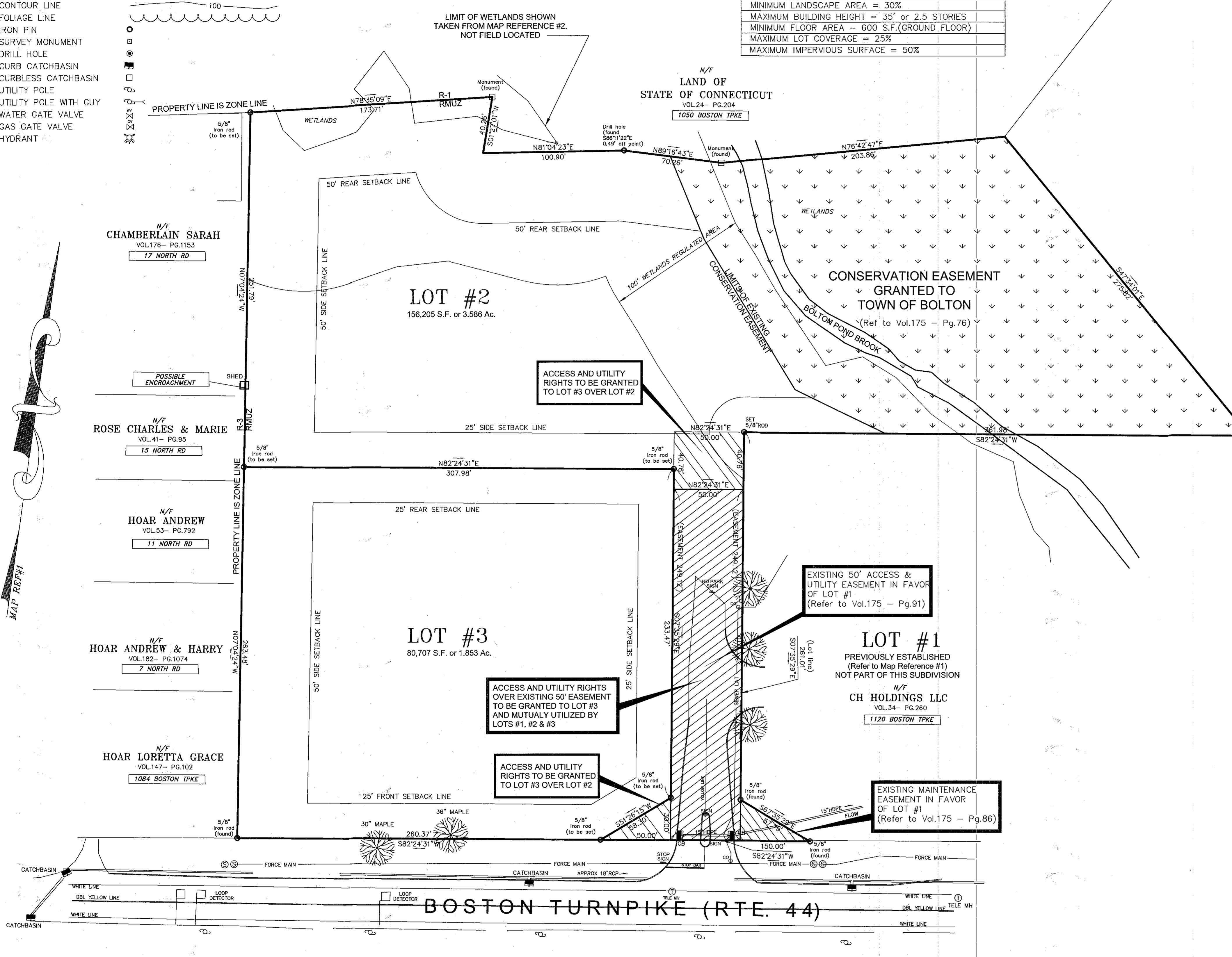
**MAP REFERENCES :**

1. "LOT SPLIT PLAN & EASEMENT PLAN - PREPARED FOR - 1100 BOSTON TURNPIKE, LLC - 1100 BOSTON TURNPIKE - BOLTON, CT - MAP 05 LOT 81 - ZONE: RMUZ", scale 1" = 40', dated 7-18-17, revised to 9-28-17 and prepared by J R Russo & Associates LLC, Surveyors - Engineers.
2. "AS-BUILT PLAN - BOLTON COMETIC & FAMILY DENTISTRY - 1120 BOSTON TURNPIKE - BOLTON, CT - MAP 05 LOT 81-1 ZONE: RMUZ", scale 1" = 20', dated 7-24-18 and prepared by JR Russo & Associates, LLD Surveyors - Engineers
3. "CONNECTICUT - STATE HIGHWAY DEPARTMENT - RIGHT OF WAY MAP - TOWN OF BOLTON - HARTFORD-WILLIMANTIC ROAD - FROM THE COVENTRY TOWN LINE - WESTERLY ABOUT 6,300 FEET - ROUTES U.S. 6 & U.S. 44", scale 1" = 40', dated Oct. 31, 1935 and prepared by Connecticut State Highway Department
4. "SOME LAND - OF THE ESTATE OF - ALBERT N. SKINNER - TOWN OF BOLTON CONN. " - scale 1"=50', dated Nov. 20, 1968 and prepared by Everett O. Gardner L.S. 4349

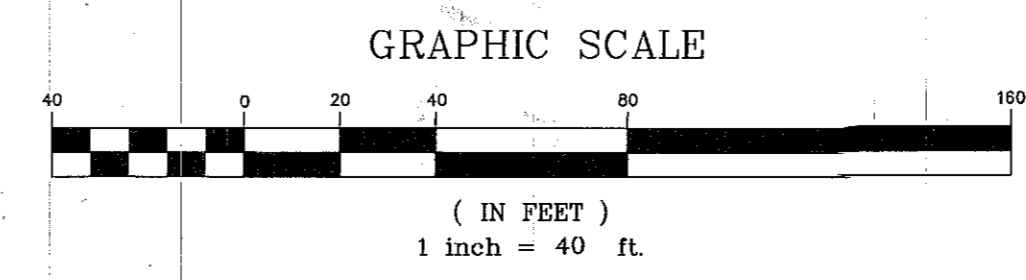
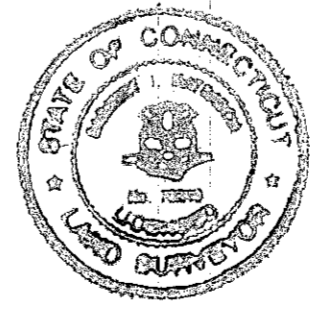
THE MISSINOARY SOCIETY FOR THE  
DIOCESE OF CONNECTICUT  
VOL.34 - PG.260  
1150 BOSTON TPKE

**NOTES:**

1. THIS SURVEY HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INCORPORATED ON SEPTEMBER 28, 1996.
2. TYPE OF SURVEY = PROPERTY SURVEY
3. BOUNDARY DETERMINATION CATEGORY = DEPENDENT RE-SURVEY
4. OWNERS OF RECORD - 1100 BOSTON TURNPIKE LLC (Vol. 141- Pg 790)
5. TOTAL AREA - 236912 S.F. or 5.439 Ac.
6. ZONE - RMUZ
7. PROPERTY LIES WITHIN FLOOD ZONE X - AREA OF MINIMAL FLOOD HAZARD, AS SHOWN ON MAP ENTITLED "FIRM - FLOOD INSURANCE RATE MAP - TOWN OF BOLTON, CONNECTICUT- TOLLAND COUNTY - PANEL 1 OF 3 COMMUNITY PANEL NUMBER 090109 0001 B WITH AN EFFECTIVE DATE OF JUNE 1 1981 AND PREPARED BY FEDERAL EMERGENCY MANAGEMENT AGENCY.
8. UNDERGROUND UTILITIES, STRUCTURE AND FACILITY LOCATIONS DEPICTED AND NOTED HEREON HAVE BEEN COMPILED, IN PART, FROM RECORD MAPPING SUPPLIED BY THE RESPECTIVE UTILITY COMPANIES OR GOVERNMENTAL AGENCIES, FROM PAROLE TESTIMONY AND FROM OTHER SOURCES. THESE LOCATIONS ARE APPROXIMATE AND OTHER SUCH FEATURES MAY EXIST UNKNOWN TO DUFOUR SURVEYING ASSOCIATES. THE SIZE, LOCATION AND EXISTENCE OF ALL SUCH FEATURES MUST BE FIELD DETERMINED AND VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO CONSTRUCTION. CALL BEFORE YOU DIG 1-800-922-4455



- N/F JASON C. & KERI A. FULLER  
1055 BOSTON TURNPIKE
- N/F NICHOLAS & JESSICA ROBINSON  
1061 BOSTON TURNPIKE
- N/F ROGER A. & KATHLEEN D. RUNKIS  
1065 BOSTON TURNPIKE
- N/F JOHN B. STEVENS  
1069 BOSTON TURNPIKE
- N/F DOROTHY S. LARSON  
1071 BOSTON TURNPIKE
- N/F FREDERICK DAVIS  
1079 BOSTON TURNPIKE



ALL CONSTRUCTION OF PUBLIC FACILITIES REQUIRED FOR THIS SUBDIVISION SHALL BE COMPLETED WITHIN FIVE YEARS AFTER THE APPROVAL OF THIS SUBDIVISION PLAN AND THIS FIVE YEAR PERIOD EXPIRES ON: \_\_\_\_\_

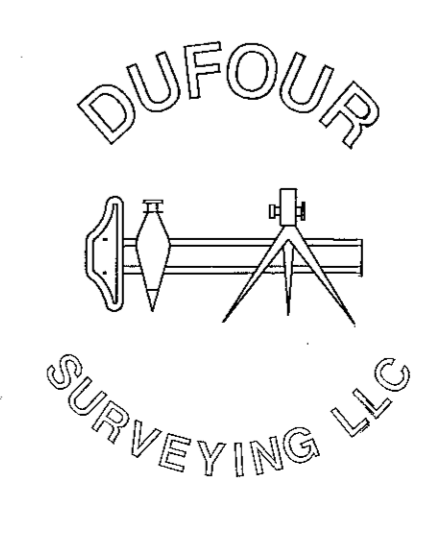
APPROVED BY THE BOLTON PLANNING COMMISSION

CHAIRMAN / SECRETARY \_\_\_\_\_ DATE: \_\_\_\_\_

REVISED 3/31/2021 : PER STAFF COMMENTS

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON. THIS MAP AND SURVEY WERE PREPARED IN ACCORDANCE WITH THE STANDARDS OF A CLASS A-2 SURVEY AS DEFINED IN THE CODE OF PRACTICE FOR STANDARDS OF ACCURACY OF SURVEYS AND MAPS, ADOPTED SEPT. 28, 1996 AS AMENDED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INCORPORATED.

*Carmine J. Matrasca*  
CARMINE J. MATRASCA - L.S. #70219  
NOT VALID WITHOUT EMBOSSED SEAL



**2 - LOT SUBDIVISION PLAN**

PREPARED FOR: CALITTO DEVELOPMENT LLC		
1100 BOSTON TURNPIKE, ROUTE 44, BOLTON, CONNECTICUT		
SCALE: 1" = 40'	APPROVED: CARMINE J. MATRASCA - L.S. #70219	
DATE: 03-18-2021	JOB NO.: 21-05	FILE NO.: 121-05
DUFOUR SURVEYING LLC 575 NORTH MAIN STREET BRISTOL, CONNECTICUT 860-314-0502 860-738-0222		



**SITE WORK GENERAL NOTES**

- 1. THESE PLANS ARE FOR PERMITTING PURPOSES ONLY AND ARE NOT FOR CONSTRUCTION.
2. ALL CONSTRUCTION SHALL COMPLY WITH THE PROJECT SPECIFICATION MANUAL, CLIENT CORPORATION STANDARDS, MUNICIPALITY STANDARDS AND SPECIFICATIONS...
3. REFER TO OTHER PLANS BY OTHER DISCIPLINES, DETAILS AND PROJECT MANUAL FOR ADDITIONAL INFORMATION...
4. DO NOT INTERRUPT EXISTING UTILITIES SERVING FACILITIES OCCUPIED AND USED BY THE OWNER OR OTHERS DURING OCCUPANCY...
5. THE CONTRACTOR SHALL ABIDE BY ALL OSHA, FEDERAL, STATE, AND LOCAL REGULATIONS WHEN OPERATING CRANES, BOOMS, HOISTS, ETC...
6. THE CONTRACTOR SHALL PROVIDE AS-BUILT RECORD DRAWINGS OF ALL CONSTRUCTION...
7. THE ARCHITECT OR ENGINEER IS NOT RESPONSIBLE FOR SITE SAFETY MEASURES TO BE EMPLOYED DURING CONSTRUCTION...
8. THE CONTRACTOR SHALL COMPLY WITH CFR 29 PART 1926 FOR EXCAVATION, TRENCHING, AND TRENCH PROTECTION REQUIREMENTS...
9. INFORMATION ON EXISTING UTILITIES AND STORM DRAINAGE SYSTEMS HAS BEEN COMPILED FROM AVAILABLE INFORMATION...
10. DO NOT SCALE DRAWINGS. DIMENSIONS GOVERN OVER SCALED DIMENSIONS.
11. IF PLANS AND OR SPECIFICATIONS ARE IN CONFLICT, THE MOST COSTLY SHALL APPLY.
12. ALL CONTRACTORS AND SUBCONTRACTORS SHALL OBTAIN COMPLETE DRAWING PLAN SETS FOR BIDDING AND CONSTRUCTION...
13. ALL NOTES AND DIMENSIONS DESIGNATED 'TYPICAL' APPLY TO ALL LIKE OR SIMILAR CONDITIONS THROUGHOUT THE PROJECT.
14. CONTRACTOR(S) TO TAKE AND VERIFY ALL DIMENSIONS AND CONDITIONS OF THE WORK AND BE RESPONSIBLE FOR COORDINATION OF SAME...
15. BL COMPANIES WILL PREPARE FINAL CONSTRUCTION DOCUMENTS SUITABLE FOR BIDDING AND CONSTRUCTION...
16. NO CONSTRUCTION OR DEMOLITION SHALL BEGIN UNTIL APPROVAL OF THE FINAL PLANS IS GRANTED BY ALL GOVERNING AND REGULATORY AGENCIES.
17. THE OWNER IS RESPONSIBLE FOR OBTAINING ALL NECESSARY ZONING PERMITS REQUIRED BY GOVERNING AGENCIES PRIOR TO CONSTRUCTION...
18. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL PRODUCTS AND MATERIALS PER PLANS AND SPECIFICATIONS TO THE OWNER...
19. THE CONTRACTOR SHALL FOLLOW THE SEQUENCE OF CONSTRUCTION NOTES PROVIDED ON THE SEDIMENT AND EROSION CONTROL PLAN.
20. THE CONTRACTOR SHALL REFERENCE ARCHITECTURAL PLANS FOR EXACT DIMENSIONS AND CONSTRUCTION DETAILS OF BUILDING, AND THE RAISED CONCRETE SIDEWALKS, LANDINGS, RAMPS, AND STAIRS.
21. SHOULD ANY UNCHARTED OR INCORRECTLY CHARTED, EXISTING PIPING OR OTHER UTILITY BE UNCOVERED DURING EXCAVATION...
22. ALL SITE DIMENSIONS ARE REFERENCED TO THE FACE OF CURBS OR EDGE OF PAVING AS APPLICABLE UNLESS OTHERWISE NOTED...
23. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TRAFFIC DEVICES FOR PROTECTION OF VEHICLES AND PEDESTRIANS...
24. TRAFFIC CONTROL SIGNAGE SHALL CONFORM TO THE STATE DOT STANDARD DETAIL SHEETS AND THE MANUAL OF UTILITY TRAFFIC CONTROL DEVICES...
25. REFER TO DETAIL SHEETS FOR PAVEMENT, CURBING, AND SIDEWALK INFORMATION.
26. THE CONTRACT LIMIT IS THE PROPERTY LINE UNLESS OTHERWISE SPECIFIED OR SHOWN ON THE CONTRACT DRAWINGS.
27. THE CONTRACTOR SHALL SUBMIT A SHOP DRAWING OF THE PAVEMENT MARKING PAINT MIXTURE PRIOR TO STRIPING.
28. PAVEMENT MARKING KEY:
4" SYDL 4" SOLID YELLOW DOUBLE LINE
4" SYL 4" SOLID YELLOW LINE
4" SWL 4" SOLID WHITE LINE
12" SWSB 12" SOLID WHITE STOP BAR
4" BWL 4" BROKEN WHITE LINE 10' STRIPE 30" SPACE
29. PARKING SPACES SHALL BE STRIPED WITH 4" SWL HATCHED AREA SHALL BE STRIPED WITH 4" SWL AT A 45' ANGLE...
30. ALL PARKING SPACES AND HATCHED AREAS SHALL HAVE TWO COATS OF PAVEMENT MARKINGS APPLIED TO STRIPING.
31. PAVEMENT MARKINGS SHALL BE HOT APPLIED TYPE IN ACCORDANCE WITH STATE DOT SPECIFICATIONS...
32. THE CONTRACTOR SHALL RESTORE ANY UTILITY STRUCTURE, DRAINAGE STRUCTURE, PIPE, UTILITY, PAVEMENT, CURBS, SIDEWALKS, LANDSCAPED AREAS...
33. EXISTING BOUNDARY AND TOPOGRAPHY IS BASED ON DRAWING TITLED 'ATLA/NSPS LAND TITLE SURVEY' SCALE 1"=40', DATED 2021/02/18...
34. ALTERNATIVE METHODS AND PRODUCTS OTHER THAN THOSE SPECIFIED MAY BE USED IF REVIEWED AND APPROVED BY THE OWNER...
35. CTDOT ENCRoACHMENT PERMIT SHALL BE OBTAINED BY CONTRACTOR WHO SHALL PAY ALL FEES...
36. AN EROSION CONTROL BOND IS REQUIRED TO BE POSTED BY THE CONTRACTOR BEFORE THE START OF ANY ACTIVITY ON OR OFF SITE...
37. NO PART OF THE PROJECT PARCEL IS LOCATED WITHIN ANY FEMA DESIGNATED FLOOD HAZARD AREAS.
38. 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.
39. 12" SWSB (STOP BAR) AND 4" SYDL AND SWL PAVEMENT MARKINGS LOCATED IN DRIVEWAYS AND IN STATE HIGHWAY SHALL BE EPOXY RESIN TYPE...
40. FIRE LANES SHALL BE ESTABLISHED AND PROPERLY DESIGNATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FIRE DISTRICT FIRE MARSHAL.
41. THE CONTRACTOR SHALL REMOVE CONFLICTING PAVEMENT MARKINGS IN THE ROADWAY BY METHOD APPROVED BY THE AUTHORITY HAVING JURISDICTION...
42. ALL ADA DESIGNATED PARKING STALLS, ACCESS AISLES AND PEDESTRIAN WALKWAYS SHALL CONFORM TO THE CURRENT VERSION OF THE AMERICANS WITH DISABILITIES ACT STANDARDS...
43. CONSTRUCTION OCCURRING ON THIS SITE SHALL COMPLY WITH NFPA 241 STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION AND DEMOLITION OPERATIONS...
44. ALL BUILDINGS, INCLUDING FOUNDATION WALLS AND FOOTINGS AND BASEMENT SLABS INDICATED ON THE DEMOLITION PLAN ARE TO BE REMOVED FROM THE SITE...
45. SEDIMENT AND EROSION CONTROLS AS SHOWN ON THE SEDIMENT AND EROSION CONTROL PLAN AND/OR DEMOLITION PLAN SHALL BE INSTALLED BY THE DEMOLITION CONTRACTOR...
46. REMOVE AND DISPOSE OF ANY SIDEWALKS, FENCES, STAIRS, WALLS, DEBRIS AND RUBBISH REQUIRING REMOVAL FROM THE WORK AREA IN AN

APPROVED OFF SITE LANDFILL, BY AN APPROVED HAULER. HAULER SHALL COMPLY WITH ALL REGULATORY REQUIREMENTS.

- 47. THE CONTRACTOR SHALL SECURE ALL PERMITS FOR HIS DEMOLITION AND DISPOSAL OF HIS DEMOLITION MATERIAL TO BE REMOVED FROM THE SITE...
48. ASBESTOS OR HAZARDOUS MATERIAL, IF FOUND ON SITE, SHALL BE REMOVED BY A LICENSED HAZARDOUS MATERIAL ABATEMENT CONTRACTOR.
49. THE CONTRACTOR SHALL PREPARE ALL MANIFEST DOCUMENTS AS REQUIRED PRIOR TO COMMENCEMENT OF DEMOLITION.
50. THE CONTRACTOR SHALL CUT AND PLUG, OR ARRANGE FOR THE APPROPRIATE UTILITY PROVIDER TO CUT AND PLUG ALL SERVICE PIPING AT THE STREET LINE OR AT THE MAIN, AS REQUIRED BY THE UTILITY PROVIDER...
51. THE CONTRACTOR SHALL PROTECT ALL IRON PINS, MONUMENTS AND PROPERTY CORNERS DURING DEMOLITION AND CONSTRUCTION ACTIVITIES...
52. THE DEMOLITION CONTRACTOR SHALL STABILIZE THE SITE AND KEEP EROSION CONTROL MEASURES IN PLACE UNTIL THE COMPLETION OF HIS WORK...
53. THE CONTRACTOR SHALL PUMP OUT BUILDING FUEL AND WASTE OIL TANKS (IF ANY ARE ENCOUNTERED) AND REMOVE FUEL TO AN APPROVED DISPOSAL AREA...
54. IF IMPACTED OR CONTAMINATED SOIL IS ENCOUNTERED BY THE CONTRACTOR, THE CONTRACTOR SHALL SUSPEND EXCAVATION WORK OF IMPACTED SOIL...
55. EXISTING WATER SERVICES SHALL BE DISCONNECTED AND CAPPED AT MAIN IN ACCORDANCE WITH THE REQUIREMENTS OF THE POTABLE WELL AUTHORITY...
56. EXISTING SANITARY LATERAL SHALL BE PUGHED WITH NON-SHRINK GROUT AT CURB LINE OR AT MAIN CONNECTION IN ACCORDANCE WITH THE SANITARY UTILITY PROVIDER REQUIREMENTS...
57. DOMESTIC GAS SERVICES SHALL BE CAPPED AND SERVICE LINES PURGED OF RESIDUAL GAS IN ACCORDANCE WITH THE GAS UTILITY PROVIDER REQUIREMENTS...
58. THE CONTRACTOR SHALL PROVIDE DISCONNECT NOTIFICATION TO THE MUNICIPALITY ENGINEERING DEPARTMENT, TELECOMMUNICATIONS UTILITY PROVIDER...
59. THE CONTRACTOR IS RESPONSIBLE FOR SECURING A DEMOLITION PERMIT FROM THE MUNICIPALITY BUILDING DEPARTMENT AND MUST FURNISH THE REQUIRED APPLICATION MATERIAL...
60. BACK FILL DEPRESSIONS, FOUNDATION HOLES AND REMOVED DRIVEWAY AREAS IN LOCATIONS NOT SUBJECT TO FURTHER EXCAVATION WITH SOIL MATERIAL...
61. THE CONTRACTOR SHALL REPAIR PAVEMENTS BY INSTALLING TEMPORARY AND PERMANENT PAVEMENTS IN PUBLIC RIGHTS OF WAYS AS REQUIRED BY LOCAL GOVERNING AUTHORITIES...
62. THE CONTRACTOR SHALL CUT AND REMOVE AT LUMINAIRE AND SIGN LOCATIONS ANY PROTRUDING CONDUITS TO 24" BELOW GRADE...
63. NO WORK ON THIS SITE SHALL BE INITIATED BY THE CONTRACTOR UNTIL A PRE-CONSTRUCTION MEETING WITH OWNER AND THE CIVIL ENGINEER IS PERFORMED...
64. THE CONTRACTOR SHALL ARRANGE FOR AND INSTALL TEMPORARY OR PERMANENT UTILITY CONNECTIONS WHERE INDICATED ON PLAN OR AS REQUIRED...
65. THE CONTRACTOR SHALL NOT COMMENCE DEMOLITION OR UTILITY DISCONNECTIONS UNTIL AUTHORIZED TO DO SO BY THE OWNER.
66. THE CONTRACTOR OR DEMOLITION CONTRACTOR SHALL INSTALL TEMPORARY SHEETING OR SHORING AS NECESSARY TO PROTECT EXISTING AND NEW BUILDINGS...
67. NO SALVAGE SHALL BE PERMITTED UNLESS PAID TO THE OWNER AS A CREDIT.
68. ANY EXISTING POTABLE WELL AND ANY EXISTING SEPTIC TANKS/ABSORPTION AREAS SHALL BE ABANDONED AND REMOVED PER THE DEEP AND HEALTH CODE REQUIREMENTS.
69. THE EXISTING DRIVEWAYS SHALL REMAIN OPEN FOR NORMAL BUSINESS OPERATIONS UNTIL COMPLETION AND OCCUPATION OF THE NEW BUILDING.
70. THE CONTRACTOR SHALL PRESERVE EXISTING VEGETATION WHERE POSSIBLE AND/OR AS NOTED ON DRAWINGS...
71. TOPSOIL SHALL BE STRIPPED AND STOCKPILED ON SITE FOR USE IN FINAL LANDSCAPING.
72. SUBGRADE SHALL BE FORMED WITH REMOVAL AND REPLACEMENT OF FILL AND REMOVAL AND REPLACEMENT OF UNSUITABLE AND SOFT SUBGRADE MATERIAL...
73. THE CONTRACTOR SHALL COMPACT FILL IN LIFT THICKNESS PER THE GEOTECHNICAL REPORT UNDER ALL PARKING, BUILDING, DRIVE, AND STRUCTURE AREAS...
74. UNDERDRAINS SHALL BE ADDED, IF DETERMINED NECESSARY IN THE FIELD BY THE OWNER/GEOTECHNICAL ENGINEER...
75. VERTICAL DATUM IS NAVD 88.
76. CLEARING LIMITS SHALL BE PHYSICALLY MARKED IN THE FIELD AND APPROVED BY THE MUNICIPALITY'S AGENT PRIOR TO THE START OF WORK ON THE SITE.
77. PROPER CONSTRUCTION PROCEDURES SHALL BE FOLLOWED ON ALL IMPROVEMENTS WITHIN THIS PARCEL SO AS TO PREVENT THE SILTING OF ANY WATERCOURSE...
78. ALL SITE WORK, MATERIALS OF CONSTRUCTION, AND CONSTRUCTION METHODS FOR EARTHWORK AND STORM DRAINAGE WORK SHALL CONFORM TO THE SPECIFICATIONS AND DETAILS AND APPLICABLE SECTIONS OF THE PROJECT SPECIFICATIONS MANUAL...
79. ALL DISTURBANCE INCURRED TO MUNICIPAL AND STATE PROPERTY DUE TO CONSTRUCTION SHALL BE RESTORED TO ITS PREVIOUS CONDITION OR BETTER...
80. ALL CONSTRUCTION WITHIN A DOT RIGHT OF WAY SHALL COMPLY WITH ALL DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS.
81. THE UTILITY PLAN DETAILS SITE INSTALLED PIPES UP TO 5' FROM THE BUILDING FACE...
82. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY THE ELEVATION AND LOCATION OF ALL UTILITIES BY VARIOUS MEANS PRIOR TO BEGINNING ANY EXCAVATION...
83. UTILITY CONNECTION DESIGN AS REFLECTED ON THE PLAN MAY CHANGE SUBJECT TO UTILITY PROVIDER AND GOVERNING AUTHORITY STAFF REVIEW.
84. THE CONTRACTOR SHALL ENSURE THAT ALL UTILITY PROVIDERS AND GOVERNING AUTHORITY STANDARDS FOR MATERIALS AND CONSTRUCTION METHODS ARE MET...
85. THE CONTRACTOR SHALL ARRANGE FOR AND COORDINATE WITH THE RESPECTIVE UTILITY PROVIDERS FOR SERVICE INSTALLATIONS AND CONNECTIONS...
86. ALL EXISTING PAVEMENT WHERE UTILITY PIPING IS TO BE INSTALLED SHALL BE SAW CUT...
87. ALL PIPES SHALL BE LAID ON STRAIGHT ALIGNMENTS AND EVEN GRADES USING A PIPE LASER OR OTHER ACCURATE METHOD.
88. SANITARY LATERAL SHALL MAINTAIN (10' MIN. HORIZONTAL 1.5' VERTICAL MIN.) SEPARATION DISTANCE FROM WATER LINES, OR ADDITIONAL PROTECTION MEASURES WILL BE REQUIRED WHERE PERMITTED...

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 PROVIDER.
90. THE CONTRACTOR SHALL COMPACT THE PIPE BACKFILL IN 6" LIFTS ACCORDING TO THE PIPE BEDDING DETAILS...
91. CONTRACTOR TO PROVIDE STEEL SLEEVES AND ANNULAR SPACE SAND FILL FOR UTILITY PIPE AND CONDUIT CONNECTIONS UNDER FOOTINGS.
92. BUILDING UTILITY PENETRATIONS AND LOCATIONS ARE SHOWN FOR THE CONTRACTOR'S INFORMATION AND SHALL BE VERIFIED WITH THE BUILDING MEP, STRUCTURAL, AND ARCHITECTURAL DRAWINGS...
93. ALL UTILITY CONSTRUCTION IS SUBJECT TO INSPECTION FOR APPROVAL PRIOR TO BACKFILLING...
94. A ONE-FOOT MINIMUM VERTICAL CLEARANCE BETWEEN WATER, GAS, ELECTRICAL, AND TELEPHONE LINES AND STORM PIPING SHALL BE PROVIDED...
95. GRAVITY SANITARY SEWER PIPING AND PRESSURIZED WATERLINES SHALL BE LOCATED IN SEPARATE TRENCHES...
96. SITE CONTRACTOR SHALL PROVIDE ALL BENDS, FITTINGS, ADAPTERS, ETC. AS REQUIRED FOR PIPE CONNECTIONS...
97. MANHOLE RIMS AND CATCH BASIN GRATES SHALL BE SET TO ELEVATIONS SHOWN...
98. SITE CONTRACTOR SHALL COORDINATE INSTALLATION OF CONDUIT AND CABLES FOR SITE LIGHTING...
99. CONTRACTOR SHALL COORDINATE INSTALLATION FOR ELECTRICAL SERVICES TO PYLON SIGNS AND SITE LIGHTING...
100. THE CONTRACTOR SHALL ARRANGE AND COORDINATE WITH UTILITY PROVIDERS FOR WORK TO BE PERFORMED BY UTILITY PROVIDERS...
101. ELECTRIC, AND TELECOMMUNICATIONS SERVICES SHALL BE INSTALLED UNDERGROUND FROM THE SERVICE POLE INDICATED ON THE SITE UTILITIES PLAN...
102. ALL WATER LINES TO HAVE A MINIMUM COVER OF 3'-6". ALL LINES SHALL BE BEDDED IN 6" SAND AND INITIALLY BACKFILLED WITH 12" SAND.
103. ALL WATER MAINS, WATER SERVICES AND SANITARY SEWER LATERALS SHALL CONFORM TO THE APPLICABLE POTABLE WELL AUTHORITY SPECIFICATIONS...
104. THE CONTRACTOR SHALL MAINTAIN ALL FLOWS AND UTILITY CONNECTIONS TO EXISTING BUILDINGS WITHOUT INTERRUPTION...
105. THE CONTRACTOR MAY SUBSTITUTE MASONRY STRUCTURES FOR PRECAST STRUCTURES IF APPROVED BY THE CIVIL ENGINEER...
106. PIPING SHALL BE LAID FROM DOWNGRADIENT END OF PIPE RUN IN AN UPGRADIENT DIRECTION...
107. ALL RCP SHALL CONFORM TO THE REQUIREMENTS OF ASTM C-76; ALL RCP SHALL BE CLASS IV UNLESS OTHERWISE SHOWN...
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...
110. HIGH DENSITY POLYETHYLENE (HDPE) STORM SEWER LESS THAN 12" IN DIAMETER SHALL BE HI-Q PIPE...
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...
114. PVC WATER MAIN PIPING SHALL CONFORM TO AWWA C900.

**DEFINITIONS**

MUNICIPALITY SHALL MEAN TOWN OF BOLTON
COUNTY SHALL MEAN HOLLAND COUNTY
STATE SHALL MEAN CONNECTICUT
POTABLE WELL AUTHORITY SHALL MEAN EASTERN HIGHLANDS HEALTH DISTRICT
SANITARY UTILITY PROVIDER SHALL MEAN BOLTON LAKES REGIONAL WATER POLLUTION CONTROL AUTHORITY
GAS UTILITY PROVIDER SHALL MEAN PROPANE TANK PROVIDER
TELECOMMUNICATIONS UTILITY PROVIDER SHALL MEAN FRONTIER COMMUNICATIONS OF CONNECTICUT
ELECTRIC UTILITY PROVIDER SHALL MEAN EVERSOURCE ENERGY - ELECTRIC DISTRIBUTION



100 Constitution Plaza
10th Floor
Hartford, CT 06103
(860) 249-2200
(860) 249-2400 Fax



PROPOSED RETAIL DEVELOPMENT
1100 BOSTON TURNPIKE
BOLTON, CONNECTICUT

Table with columns: No., Date, Desc., REVISIONS, Designed, Drawn, Reviewed, Scale, Project No., Date, CAD File, Title, GENERAL NOTES, Sheet No.

FOR PERMITTING PURPOSES ONLY
NOT RELEASED FOR CONSTRUCTION

GN-1

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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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**DEMOLITION LEGEND**

- PROPERTY LINE
- LOD
- LIMIT OF DISTURBANCE AND SITEWORK
- CONTRACT LIMIT LINE
- SAWCUT LINE
- XXXXXXXXXXXXXXXXXXXX REMOVE AND DISPOSE OF CURB, FENCE, ETC.
- P P PROTECT EXISTING UTILITY LINE
- ~ ~ ~ ~ ~ LIMIT OF TREE AND VEGETATION CLEARING
- X 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
- S PROTECT EXISTING TREE TO REMAIN

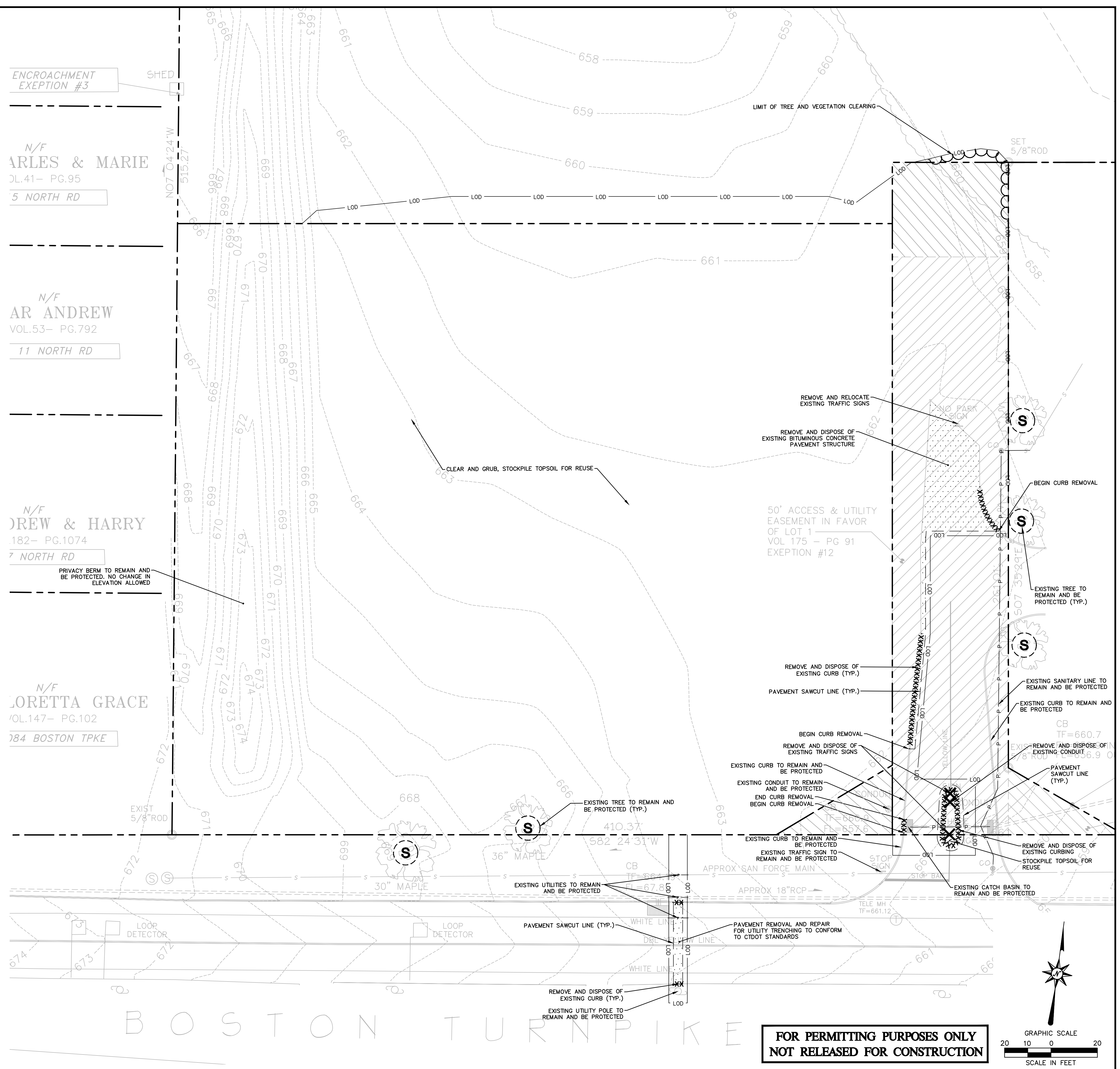
ENCROACHMENT EXEPTION #3

N/F  
ARLES & MARIE  
DL.41- PG.95  
5 NORTH RD

N/F  
AR ANDREW  
VOL.53- PG.792  
11 NORTH RD

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

N/F  
LORETTA GRACE  
VOL.147- PG.102  
184 BOSTON TPKE



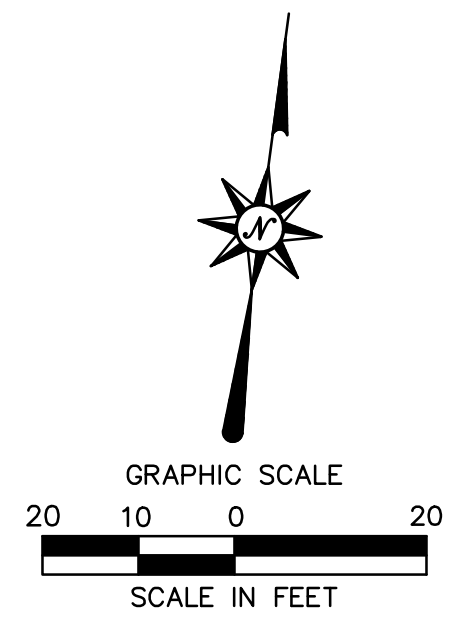
**BOLTON PLANNING AND ZONING COMMISSION, BOLTON, CT**

DATE APPROVED \_\_\_\_\_ DATE OF EXPIRATION \_\_\_\_\_

CHAIRMAN

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

**FOR PERMITTING PURPOSES ONLY  
NOT RELEASED FOR CONSTRUCTION**



100 Constitution Plaza  
10th Floor  
Hartford, CT 06103  
(860) 249-2200  
(860) 249-2400 Fax



**PROPOSED RETAIL DEVELOPMENT**  
1100 BOSTON TURNPIKE  
BOLTON, CONNECTICUT

REVISIONS	No.	Date	Desc.

Designed \_\_\_\_\_ S.E.L.  
 Drawn \_\_\_\_\_ S.E.L.  
 Reviewed \_\_\_\_\_  
 Scale 1"=20'  
 Project No. 2002032  
 Date 04/02/2021  
 CAD File: DM200203201

Title  
**DEMOLITION PLAN**

Sheet No.

**DM-1**

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**ZONING INFORMATION**

LOCATION: BOLTON, TOLLAND COUNTY, CONNECTICUT				
ZONE: RURAL MIXED USE ZONE (RMU2)				
USE: RETAIL (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	35 FEET/2.5 STORIES	25.6 FEET	NO
8	MAXIMUM BUILDING COVERAGE	25 PERCENT	13.2 PERCENT	NO
9	MAXIMUM IMPERVIOUS COVERAGE	50 PERCENT	39.9 PERCENT	NO

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

**PARKING INFORMATION**

ITEM #	ITEM	REQUIREMENTS	PROPOSED	VARIANCE
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
3	MINIMUM HANDICAPPED PARKING SPACES REQUIRED	2 SPACES	2 SPACES	NO
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
7	MINIMUM FRONT SETBACK	50 FEET [2]	50.5 FEET	NO
8	MINIMUM SIDE SETBACK	NONE REQUIRED [2]	77.1 FEET	NO
9	MINIMUM REAR SETBACK	NONE REQUIRED [2]	5.3 FEET	NO
10	BICYCLE PARKING REQUIRED	1 BICYCLE PARKING SPACE PER 25 PARKING STALLS (2 REQUIRED)	2 BICYCLE PARKING SPACES	NO

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

**SITE PLAN LEGEND**

	PROPERTY LINE
	LIMIT OF DISTURBANCE AND SITWORK 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	30"
B	31-0629	
C	31-0648	

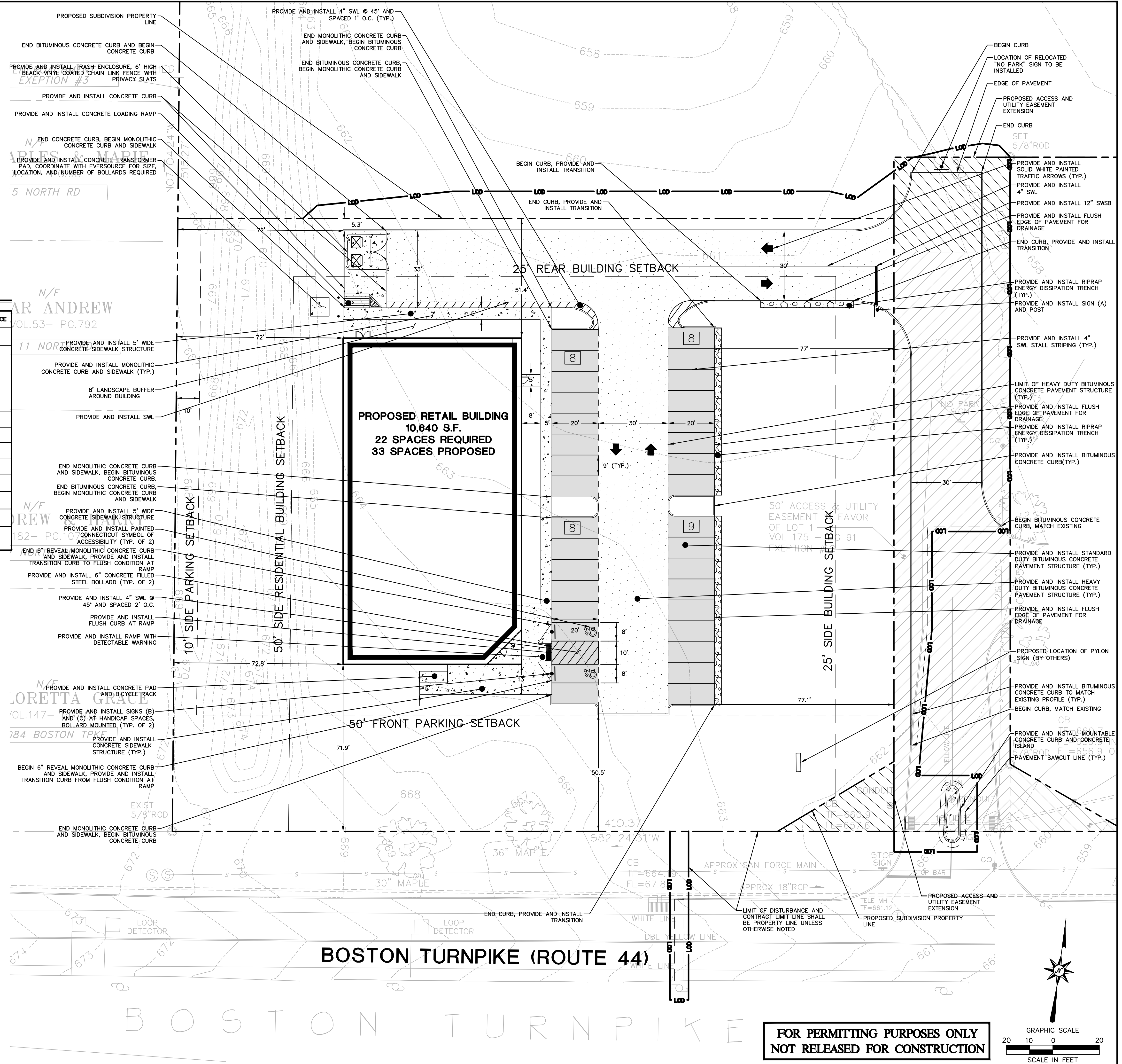
NOTE:  
1. HANDICAPPED SIGNS TO BE INSTALLED IN PIPE BOLLARDS (SEE DETAIL). ALL HANDICAP SIGNAGE TO CONFORM TO LATEST BUILDING CODE.  
2. SIGNS INSTALLED IN THE STATE RIGHT-OF-WAY MUST BE INSTALLED IN ACCORDANCE WITH THE DEPARTMENT'S TYPICAL DETAIL SHEETS (I.E. HEIGHT, BREAKAWAY POSTS, ETC.)

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 \_\_\_\_\_



Architecture  
Engineering  
Environmental  
Land Surveying

**BL Companies**

100 Constitution Plaza  
10th Floor  
Hartford, CT 06103  
(860) 249-2200  
(860) 249-2400 Fax

**PROPOSED RETAIL DEVELOPMENT**  
1100 BOSTON TURNPIKE  
BOLTON, CONNECTICUT

REVISIONS

No.	Date	Desc.

Designed: S.E.L.  
Drawn: S.E.L.  
Reviewed: S.E.L.  
Scale: 1"=20'  
Project No.: 2002032  
Date: 04/02/2021  
CAD File: SP200203201

Title: **SITE PLAN**

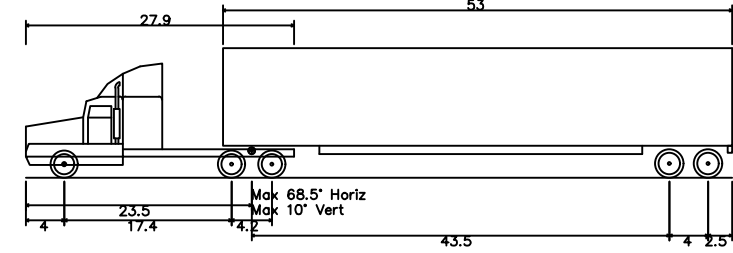
Sheet No. **SP-1**

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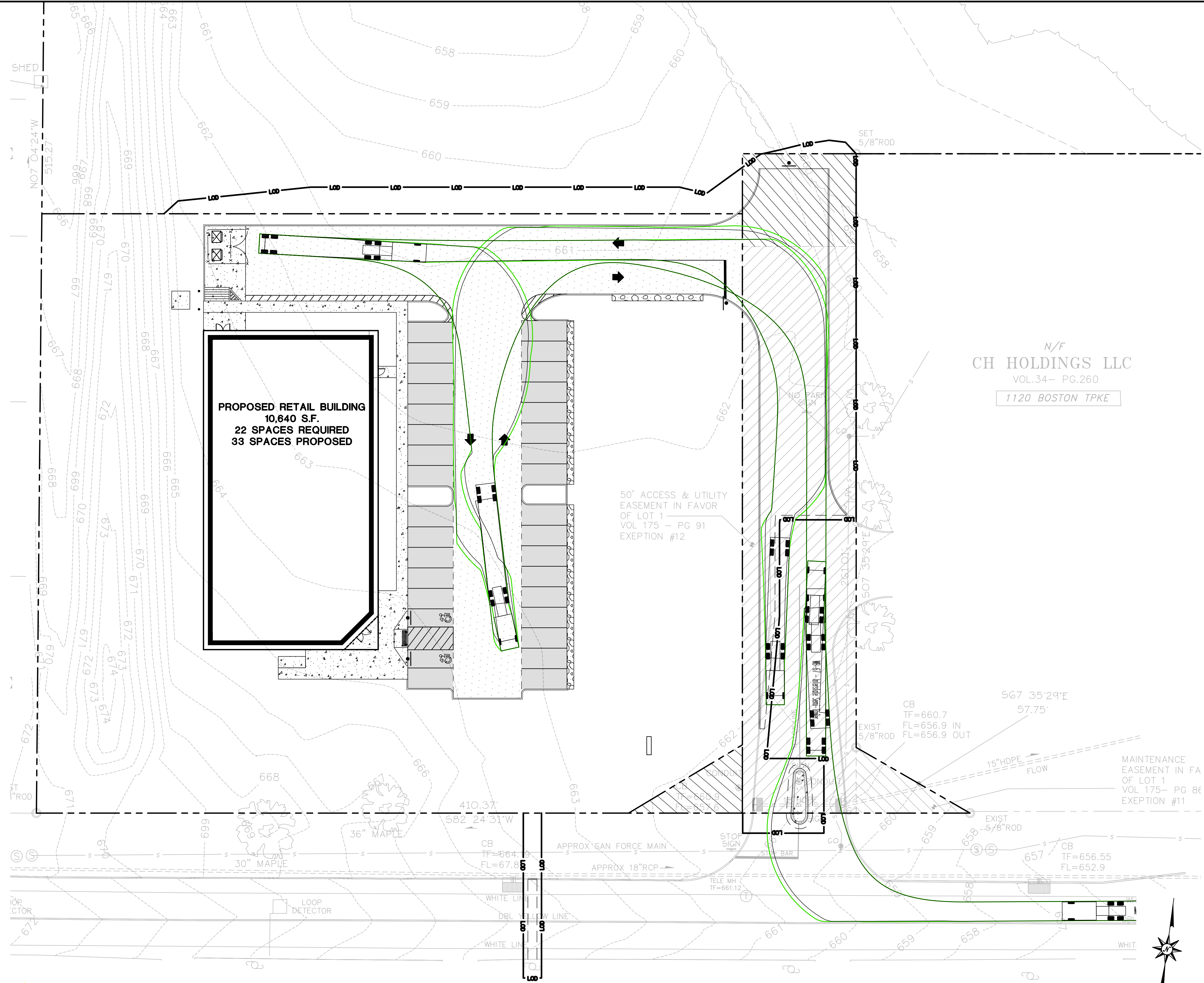
GRAPHIC SCALE  
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SCALE IN FEET

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WB-67 - Interstate Semi-Trailer  
 Overall Length 73.50ft  
 Overall Width 8.50ft  
 Overall Body Height 13.50ft  
 Min. Body Ground Clearance 13.54ft  
 Max. Track Width 8.50ft  
 Lock-to-lock time 6.00s  
 Max Steering Angle (Virtual) 28.4°



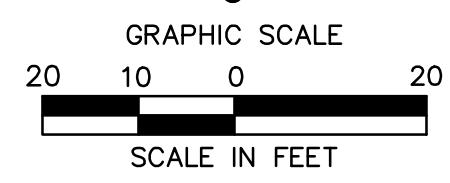
N/F  
**CH HOLDINGS LLC**  
 VOL.34- PG.260  
 1120 BOSTON TPKE

50' ACCESS & UTILITY  
 EASEMENT IN FAVOR  
 OF LOT 1  
 VOL 175 - PG 91  
 EXEPTION #12

MAINTENANCE  
 EASEMENT IN FA  
 OF LOT 1  
 VOL 175- PG 80  
 EXEPTION #11

**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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 10th Floor  
 Hartford, CT 06103  
 (860) 249-2200  
 (860) 249-2400 Fax



**PROPOSED RETAIL DEVELOPMENT**  
 1100 BOSTON TURNPIKE  
 BOLTON, CONNECTICUT

REVISIONS	No.	Date	Desc.

Designed: SEL  
 Drawn: SEL  
 Reviewed: SEL  
 Scale: 1"=20'  
 Project No.: 2002032  
 Date: 04/02/2021  
 CAD File: T1200203201

Title: **TRUCK TURNING PLAN - WB-67**

Sheet No. \_\_\_\_\_

**TT-1**

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**GRADING AND DRAINAGE LEGEND**

- PROPERTY LINE
  - LOD LIMIT OF DISTURBANCE AND SITEWORK CONTRACT LIMIT LINE
  - SAWCUT LINE
  - STORM LINE
  - MANHOLE
  - CATCH BASIN
  - PROPOSED CONTOUR LINE
  - x(100.00) PROPOSED SPOT GRADE
- SPOT GRADE ABBREVIATIONS**
- BC BOTTOM OF CURB
  - TC TOP OF CURB
  - BW BOTTOM OF WALL
  - TW TOP OF WALL
  - MEX MEET EXISTING CONDITION

ENCROACHMENT EXEPTION #3

N/F ARLES & MARIE  
DL-41- PG.95  
5 NORTH RD

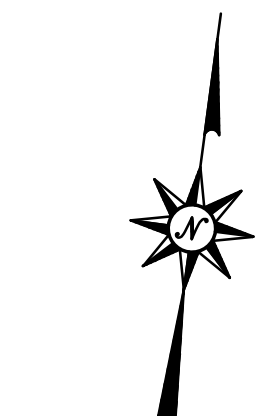
N/F AR ANDREW  
VOL.53- PG.792  
11 NORTH RD

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

N/F LORETTA GRACE  
VOL.147- PG.102  
184 BOSTON TPKE

**PROPOSED RETAIL BUILDING**  
10,640 S.F.  
22 SPACES REQUIRED  
33 SPACES PROPOSED

FFE-666.00



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**BOLTON PLANNING AND ZONING COMMISSION, BOLTON, CT**

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CHAIRMAN

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



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Drawn S.E.L.  
Reviewed  
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Project No. 2002032  
Date 04/02/2021  
CAD File: GD200203201

Title **GRADING AND DRAINAGE PLAN**

Sheet No. **GD-1**

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**SITE UTILITIES LEGEND**

---	PROPERTY LINE
---	LIMIT OF DISTURBANCE AND SITWORK CONTRACT LIMIT LINE
---	SAWCUT LINE
E	ELECTRIC LINE
G	GAS LINE
W	WATER LINE
S	SANITARY SEWER LINE
SFM	SANITARY SEWER FORCE MAIN
T	TELECOMMUNICATIONS LINE
ETC	ELECTRIC AND TELECOMMUNICATIONS LINE
---	STORM LINE

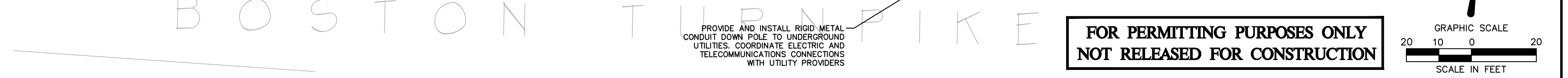
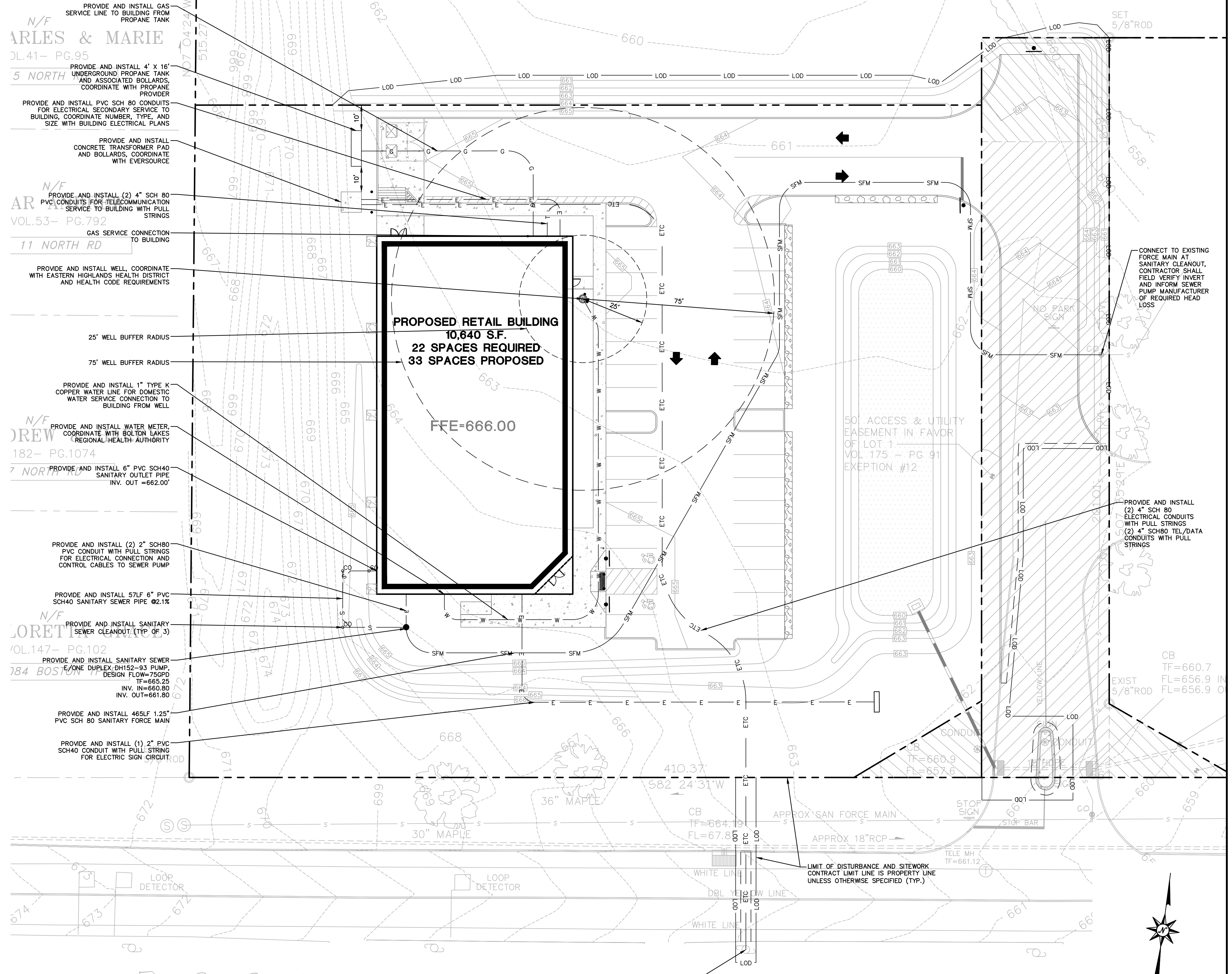
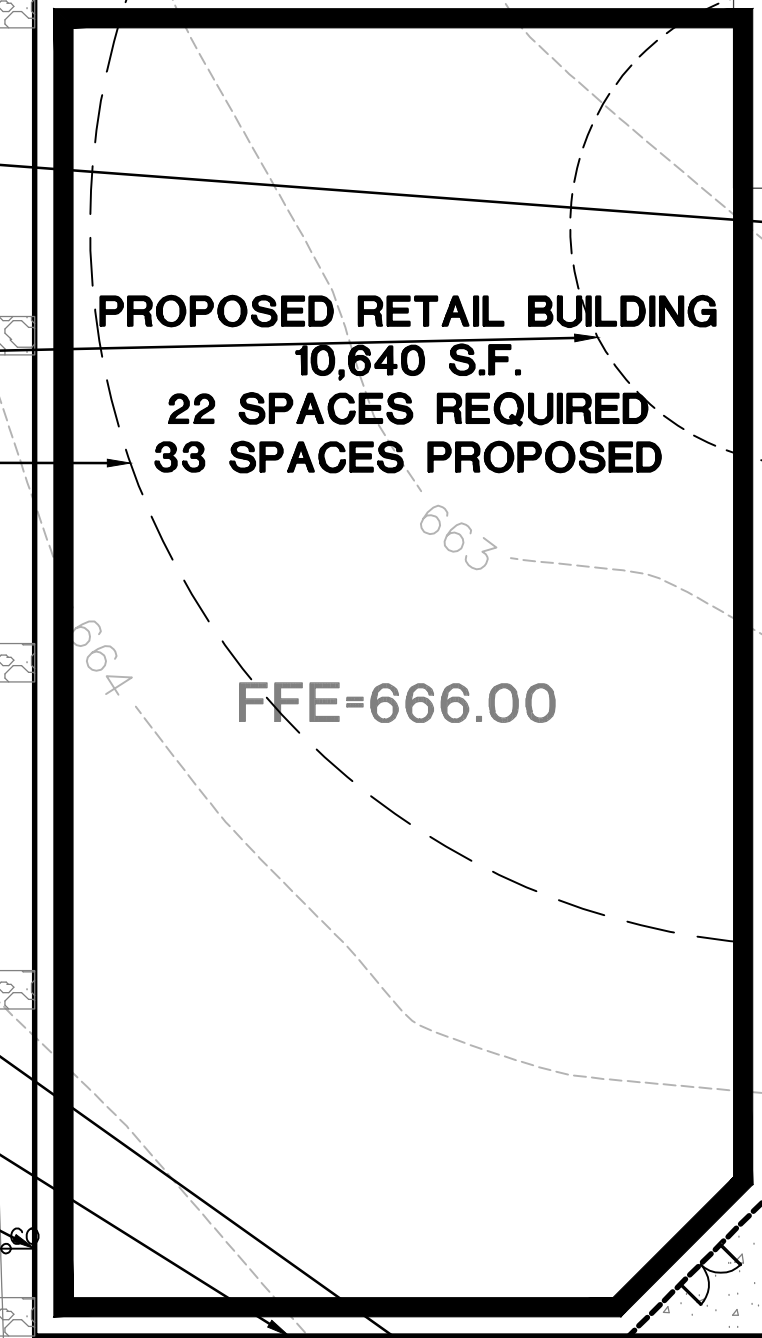
ENCROACHMENT EXEPTION #3

N/F ARLES & MARIE  
DL.41- PG.95  
5 NORTH

N/F ARLES & MARIE  
VOL.53- PG.792  
11 NORTH RD

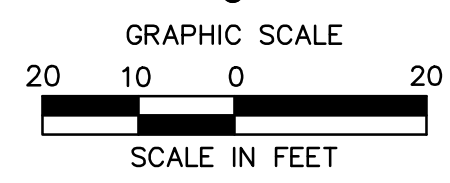
N/F DREW  
182- PG.1074  
7 NORTH RD

N/F LORETTE  
VOL.147- PG.102  
184 BOSTON



**BOLTON PLANNING AND ZONING COMMISSION, BOLTON, CT**  
DATE APPROVED \_\_\_\_\_ DATE OF EXPIRATION \_\_\_\_\_  
CHAIRMAN

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100 Constitution Plaza  
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(860) 249-2200  
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**PROPOSED RETAIL DEVELOPMENT**  
1100 BOSTON TURNPIKE  
BOLTON, CONNECTICUT

REVISIONS	No.	Date	Desc.

Designed: SEL  
Drawn: SEL  
Reviewed: SEL  
Scale: 1"=20'  
Project No.: 2002032  
Date: 04/02/2021  
CAD File: SU200203201  
Title: **SITE UTILITIES PLAN**  
Sheet No. **SU-1**

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# SEDIMENT AND EROSION CONTROL NOTES

SEDIMENT & EROSION CONTROL NARRATIVE  
 THE SEDIMENT AND EROSION CONTROL PLAN WAS DEVELOPED TO PROTECT THE EXISTING ROADWAY AND STORM DRAINAGE SYSTEMS, ADJACENT PROPERTIES, AND ANY ADJACENT WETLAND AREA AND ANY ADJACENT WATER COURSE FROM SEDIMENT LADEN SURFACE RUNOFF AND EROSION. A CONSTRUCTION SEQUENCE IS PROVIDED TO PROVIDE SURFACE RUNOFF EROSION 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 FALL 2021. APPROPRIATE SEDIMENT AND EROSION CONTROL MEASURES AS DESCRIBED HEREIN SHALL BE INSTALLED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF ALL DEMOLITION OR CONSTRUCTION ACTIVITY. SCHEDULE WORK TO MINIMIZE THE LENGTH OF TIME THAT BARE SOIL WILL BE EXPOSED.

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

CONSTRUCTION SEQUENCE  
 THE FOLLOWING CONSTRUCTION SEQUENCE IS RECOMMENDED:

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

- FOLLOWING INSTALLATION OF ALL SEDIMENT AND EROSION CONTROL MEASURES, THE CONTRACTOR SHALL NOT PROCEED WITH GRADING, FILLING OR OTHER CONSTRUCTION OPERATIONS UNTIL THE ENGINEER HAS INSPECTED AND APPROVED ALL INSTALLATIONS.
- THE CONTRACTOR SHALL TAKE EXTREME CARE DURING CLEARING AND GRUBBING OPERATIONS SO AS NOT TO DISTURB UNPROTECTED WETLAND AREAS OR SEDIMENT AND EROSION CONTROL DEVICES.
- FOLLOWING THE COMPLETION OF CLEARING AND GRUBBING OPERATIONS, ALL AREAS SHALL BE STABILIZED WITH TOPSOIL AND SEEDING OR CRUSHED STONE AS SOON AS PRACTICAL.

### ROUGH GRADING OPERATIONS

- DURING THE REMOVAL AND/OR PLACEMENT OF EARTH AS INDICATED ON THE GRADING PLAN, TOPSOIL SHALL BE STRIPPED AND APPROPRIATELY STOCKPILED FOR REUSE.
- ALL STOCKPILED TOPSOIL SHALL BE SEED, MULCHED WITH HAY, AND ENCLOSED BY A SILTATION FENCE.

### FILLING OPERATIONS

- PRIOR TO FILLING, ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE PROPERLY IMPLEMENTED, MAINTAINED AND FULLY INSTALLED, AS DIRECTED BY THE ENGINEER AND AS SHOWN ON THIS PLAN.
- ALL FILL MATERIAL ADJACENT TO ANY WETLAND AREAS, IF APPLICABLE TO THIS PROJECT, SHALL BE GOOD QUALITY, WITH LESS THAN 5% FINES PASSING THROUGH A #200 SIEVE (BANK RUN). SHALL BE PLACED IN LIFT THICKNESSES NOT GREATER THAN THAT SPECIFIED IN PROJECT SPECIFICATIONS AND/OR THE PROJECT GEOTECHNICAL REPORT. LIFTS SHALL BE COMPACTED TO 95% MAX. DRY DENSITY MODIFIED PROCTOR OR AS SPECIFIED IN THE CONTRACT SPECIFICATIONS OR IN THE GEOTECHNICAL REPORT.
- AS GENERAL GRADING OPERATIONS PROGRESS, ANY TEMPORARY DIVERSION DITCHES SHALL BE RAISED OR LOWERED, AS NECESSARY, TO DIVERT SURFACE RUNOFF TO THE SEDIMENT BASINS OR SEDIMENT TRAPS.

### PLACEMENT OF DRAINAGE STRUCTURES, UTILITIES, AND BUILDING CONSTRUCTION OPERATIONS.

- SILT FENCES SHALL BE INSTALLED AT THE DOWNHILL SIDES OF BUILDING EXCAVATIONS, MUD PUMP DISCHARGES, AND 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

- 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.
- 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 SEED, AND ANY ROAD OR DRIVEWAY SHOULDER AND BANKS SHALL BE STABILIZED IMMEDIATELY UPON COMPLETION OF FINAL GRADING UNTIL TURF IS ESTABLISHED.
- PAVEMENT SUB-BASE AND BASE COURSES SHALL BE INSTALLED OVER AREAS TO BE PAVED AS SOON AS FINAL SUB-GRADES ARE ESTABLISHED AND UNDERGROUND UTILITIES AND STORM DRAINAGE SYSTEMS HAVE BEEN INSTALLED.
- 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 AND THE SITE IS STABLE AND HAS BEEN INSPECTED AND APPROVED BY THE MUNICIPALITY AND/OR INLAND WETLANDS COMMISSION.

### INSTALLATION OF SEDIMENTATION AND EROSION CONTROL MEASURES

- SILTATION FENCE
  - DIG A SIX INCH TRENCH ON THE UPHILL SIDE OF THE DESIGNATED FENCE LINE LOCATION.
  - POSITION THE POST AT THE BACK OF THE TRENCH (DOWNHILL SIDE), AND HAMMER THE POST AT LEAST 1.5 FEET INTO THE GROUND.
  - LAY THE BOTTOM SIX INCHES OF THE FABRIC INTO THE TRENCH TO PREVENT UNDERMINING BY STORM WATER RUN-OFF.
  - BACKFILL THE TRENCH AND COMPACT.
- HAY BALES/STRAW BALES
  - BALES SHALL BE PLACED IN A SINGLE ROW, LENGTHWISE, ORIENTED PARALLEL TO THE CONTOUR, WITH ENDS OF ADJACENT BALES TIGHTLY ABUTTING ONE ANOTHER.
  - 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.
  - EACH BALE SHALL BE SECURELY ANCHORED BY AT LEAST TWO (2) STAKES.
  - THE GAPS BETWEEN BALES SHALL BE WEDGED WITH STRAW TO PREVENT WATER LEAKAGE.
  - 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.

### OPERATION AND MAINTENANCE OF SEDIMENT AND EROSION CONTROL MEASURES

- SILTATION FENCE
  - 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.
  - SEDIMENT DEPOSITS SHALL BE REMOVED FROM BEHIND THE FENCE WHEN THEY REACH A MAXIMUM HEIGHT OF ONE FOOT.
- HAY BALES/STRAW BALES
  - ALL HAY BALE/STRAW BALE RINGS SHALL BE INSPECTED FOLLOWING EACH RAINFALL. REPAIR OR REPLACEMENT SHALL BE PROMPTLY MADE AS NEEDED.
  - DEPOSITS SHALL BE REMOVED AND CLEANED-OUT IF ONE HALF OF THE ORIGINAL HEIGHT OF THE BALES BECOMES FILLED WITH SEDIMENT.
- SEDIMENT BASINS/SEDIMENT TRAPS
  - CONTRACTOR TO KEEP WEEKLY CHECKLIST LOSS 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.
  - ALL SEDIMENT BASINS AND/OR SEDIMENT TRAPS SHALL BE INSPECTED FOLLOWING EACH RAINFALL. REPAIR OF SLOPES SHALL BE PROMPTLY MADE AS NEEDED.
  - 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.
  - 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

- CONTRACTOR TO KEEP WEEKLY CHECKLIST LOSS 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.
- CULVERT DISCHARGE AREAS WILL BE PROTECTED WITH RIP RAP CHANNELS. ENERGY DISSIPATORS WILL BE INSTALLED AS SHOWN ON THESE PLANS AND AS NECESSARY.
- CATCH BASINS WILL BE PROTECTED WITH HAY BALE/STRAW BALE FILTERS, SILT SACKS, SILTATION FENCE, OR OTHER INLET PROTECTION DEVICES PER DETAILS, THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL ALL DISTURBED AREAS ARE THOROUGHLY STABILIZED.
- 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.
- SEDIMENT AND EROSION CONTROL MEASURES WILL BE INSTALLED PRIOR TO DEMOLITION AND/OR CONSTRUCTION WHENEVER POSSIBLE.
- ALL CONTROL MEASURES WILL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE DEMOLITION AND CONSTRUCTION PERIOD UNTIL THE SITE IS DETERMINED TO BE STABILIZED BY THE AUTHORITY HAVING JURISDICTION.
- 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.
- 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.
- 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.

### SEDIMENT AND EROSION CONTROL NOTES

- 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.
- THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING THIS SEDIMENT AND EROSION CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE PROPER INSTALLATION AND MAINTENANCE OF SEDIMENT AND EROSION CONTROL MEASURES, INFORMING ALL 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.
- 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.
- 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) SUMMARY OF THE SITE CONDITIONS, E&S BMPs, AND COMPLIANCE; AND
  - B) THE DATE, TIME, AND THE NAME OF THE PERSON CONDUCTING THE INSPECTION
- 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 OF THE GUIDELINES ON-SITE FOR REFERENCE DURING CONSTRUCTION.
- 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 GOVERNING AGENCIES FOR APPROVAL IF ALTERNATIVE CONTROLS OTHER THAN THOSE SHOWN ON THE PLANS ARE PROPOSED.
- 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.
- THE CONTRACTOR SHALL KEEP A SUPPLY OF SEDIMENT AND EROSION CONTROL MATERIAL (ANY HAY BALES, SILT FENCE,

JUTE MESH, RIP RAP, ETC.) ON-SITE FOR MAINTENANCE AND EMERGENCY REPAIRS.

- 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.
- 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.
- 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.
- 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 SEEDDED IF PILE IS TO REMAIN IN PLACE FOR MORE THAN ONE (1) MONTH.
- 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.
- COMPLY WITH REQUIREMENTS OF CGS SECTION 22A 430B, FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES AND WITH DEEP RECORD KEEPING AND INSPECTION REQUIREMENTS.
- ANY STONE CONSTRUCTION ENTRANCE ANTI-TRACKING PADS SHALL BE INSTALLED PRIOR TO ANY ON SITE EXCAVATION AND SHALL BE MAINTAINED DURING ALL DEMOLITION, EXCAVATION AND CONSTRUCTION ACTIVITIES.
- MINIMIZE LAND DISTURBANCES. SEED AND MULCH DISTURBED AREAS WITH TEMPORARY MIX AS SOON AS PRACTICABLE (ONE WEEK MAXIMUM UNSTABILIZED PERIOD) USING PERENNIAL RYEGRASS AT 40 LBS PER ACRE. MULCH ALL CUT AND FILL 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 HYDROSEEDDED WITH TACKIFIER.
- MAINTAIN EXISTING PAVED AREAS FOR CONSTRUCTION STAGING FOR AS LONG AS POSSIBLE.
- 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.
- EXCAVATED MATERIAL FROM TEMPORARY SILT TRAPS MUST BE STOCKPILED ON UPHILL SIDE OF SILT FENCE.
- INSTALL SILT FENCE ACCORDING TO MANUFACTURER'S INSTRUCTION, PARTICULARLY, BURY LOWER EDGE OF FABRIC INTO GROUND. SILT FENCE SHALL BE TENCATE ENVIOFENCE, PROPEX GETOX OR EQUIVALENT APPROVED BY THE CIVIL ENGINEER. FILTER FABRIC USED SHALL BE TENCATE 140N OR 170N, OR APPROVED EQUIVALENT. SEE SPECIFICATIONS FOR FURTHER INFORMATION.
- WHERE INDICATED ON SEDIMENT AND EROSION CONTROL PLANS USE NEW HAY/STRAW BALES AND REPLACE THEM WHENEVER THEIR CONDITION DETERIORATES BEYOND REASONABLE USABILITY. STAKE BALES SECURELY INTO GROUND AND BUTT TIGHTLY TOGETHER TO PREVENT UNDERCUTTING AND BYPASSING.
- 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 JURISDICTION.
- 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.
- 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.
- 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 DISTURBED AREAS, USING CALCIUM CHLORIDE, AND COVERING LOADS ON DUMP TRUCKS.
- 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 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.
- IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO ELIMINATE THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION.
- 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.
- 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.
- 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.
- 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 AIRBORNE DUST. DURING HIGH WIND EVENTS (20 TO 30 MPH SUSTAINED) CONSTRUCTION ACTIVITY SHALL BE LIMITED OR CEASED IF DUST CANNOT BE CONTROLLED BY WETTING.
- 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 MOVEMENTS UNLESS OTHERWISE DETERMINED BY THE AUTHORITY HAVING JURISDICTION.
- MAINTAIN ALL PERMANENT AND TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES IN EFFECTIVE CONDITION 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.

**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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 10th Floor  
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 (860) 249-2200  
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**PROPOSED RETAIL DEVELOPMENT**  
 1100 BOSTON TURNPIKE  
 BOLTON, CONNECTICUT

REV'S/CONS	Date	Desc.
No.		
Designed	S.E.L.	
Drawn	S.E.L.	
Reviewed		
Scale	NONE	
Project No.	2002032	
Date	04/02/2021	
CAD File:	EC200203201	
Title	<b>SEDIMENT AND EROSION CONTROL NOTES</b>	
Sheet No.		

**EC-2**



**LANDSCAPE ZONING INFORMATION**

LOCATION: BOLTON, TOLLAND COUNTY, CONNECTICUT  
 ZONE: RURAL MIXED USE ZONE (RMUZ)  
 USE: 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' WIDTH 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 ÷ 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 #41 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

**LANDSCAPE PLANT SCHEDULE**

KEY	QTY	BOTANICAL NAME	COMMON NAME	ROOT	SIZE AT INSTALL	SIZE AT MATURITY	COMMENTS
<b>TREES</b>							
AR	3	<i>Acer rubrum</i> 'Franksred'	RED SUNSET RED MAPLE	B&B	3" CAL. MIN.	45' x 35'	7' BRANCH HT. MIN.
AS	3	<i>Acer saccharum</i>	SUGAR MAPLE	B&B	3" CAL. MIN.	45' x 40'	7' BRANCH HT. MIN.
BN	3	<i>Betula nigra</i> 'Cully'	HERITAGE RIVER BIRCH	B&B	10' HT. MIN.	40' x 30'	MULTI-STEM
CO	4	<i>Celtis occidentalis</i> 'Prairie Pride'	PRAIRIE PRIDE HACKBERRY	B&B	3" CAL. MIN.	45' x 35'	7' BRANCH HT. MIN.
PG	3	<i>Picea glauca</i>	WHITE SPRUCE	B&B	6' HT. MIN.	50' x 15'	FULL BRANCHING TO GROUND
PS	8	<i>Pinus strobus</i>	EASTERN WHITE PINE	B&B	6' HT. MIN.	60' x 30'	FULL BRANCHING TO GROUND
PA	4	<i>Platanus x acerifolia</i> 'Morton's Circle'	EXCLAMATION! PLANETREE	B&B	3" CAL. MIN.	55' x 35'	7' BRANCH HT. MIN.
QR	3	<i>Quercus rubra</i>	RED OAK	B&B	3" CAL. MIN.	50' x 45'	7' BRANCH HT. MIN.
QP	3	<i>Quercus palustris</i>	PIN OAK	B&B	3" CAL. MIN.	55' x 40'	7' BRANCH HT. MIN.
TG	20	<i>Thuja</i> 'Green Giant'	GREEN GIANT ARBORVITAE	B&B	6' HT. MIN.	50' x 15'	FULL BRANCHING TO GROUND
<b>SHRUBS</b>							
CS	7	<i>Cornus sericea</i> 'Arctic Fire'	ARCTIC FIRE REDTWIG DOGWOOD	CONT.	24" HT. MIN.	3.5' x 3.5'	PLANT 4' O.C.
IG	17	<i>Ilex glabra</i>	INKBERRY	CONT.	4' HT. MIN.	7' x 6'	PLANT 4' O.C.
IGC	27	<i>Ilex glabra</i> 'Compacta'	COMPACT INKBERRY	CONT.	24" HT. MIN.	4' x 5'	PLANT 4' O.C.
MP	7	<i>Myrica pensylvanica</i>	BAYBERRY	CONT.	30" HT. MIN.	8' x 8'	PLANT 5' O.C.
RC	8	<i>Rhododendron</i> 'Cunningham's White'	CUNNINGHAM'S WHITE RHODODENDRON	CONT.	24" HT. MIN.	3' x 4'	PLANT 4' O.C.
RH	6	<i>Rhododendron</i> 'Lavender Princess'	LAVENDER PRINCESS RHODODENDRON	CONT.	24" HT. MIN.	4' x 5'	PLANT 4' O.C.
<b>ORNAMENTAL GRASSES</b>							
PV	24	<i>Panicum virgatum</i> 'Shenandoah'	SHENANDOAH SWITCHGRASS	CONT.	24" HT. MIN.	4' x 2'	PLANT 30" O.C.
SH	27	<i>Sporobolus heterolepis</i>	PRARIE DROPSEED	CONT.	12" HT. MIN.	2.5' x 2.5'	PLANT 30" O.C.
<b>PERENNIALS AND GROUNDCOVERS</b>							
AM	15	<i>Aronia melanocarpa</i> 'UNCONNAM165'	LOW SCAPE MOUND CHOKEBERRY	CONT.	12" HT. MIN.	2' x 3'	PLANT 30" O.C.
CV	10	<i>Coreopsis verticillata</i> 'Grandiflora'	GRANDIFLORA COREOPSIS	CONT.	8" HT. MIN./1 GAL. CONT.	2.5' x 2.5'	PLANT 30" O.C.
RF	16	<i>Rudbeckia fulgida</i> 'Goldstrum'	BLACK-EYED SUSAN	CONT.	8" HT. MIN./1 GAL. CONT.	2.5' x 2.5'	PLANT 30" O.C.

- NOTES:**
- 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.
  - 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 APPROVED \_\_\_\_\_ DATE OF EXPIRATION \_\_\_\_\_

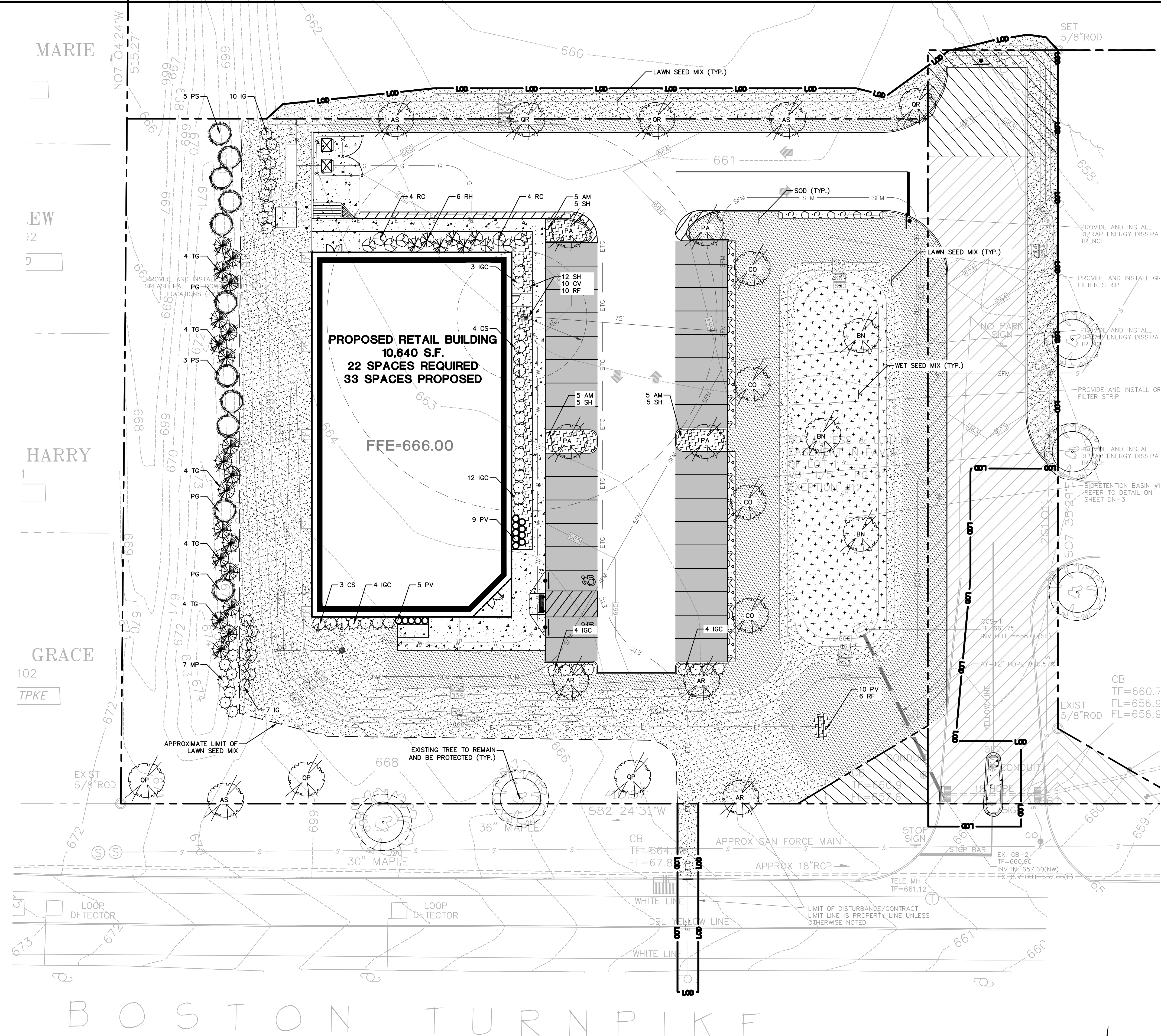
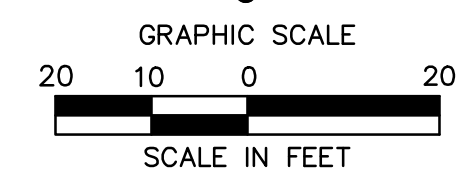
CHAIRMAN \_\_\_\_\_

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

**LEGEND**

PATTERN	DESCRIPTION	PATTERN	DESCRIPTION	PATTERN	DESCRIPTION
[Pattern]	SOD (REFER TO SEED MIXES ON SHEET LL-2)	[Pattern]	PERENNIALS/GROUNDCOVERS (REFER TO PLANT SCHEDULE THIS PAGE)	[Pattern]	EXISTING TREE TO REMAIN AND BE PROTECTED
[Pattern]	LAWN SEED MIX (REFER TO SEED MIXES ON SHEET LL-2)	[Pattern]	WET SEED MIX (REFER TO SEED MIXES ON SHEET LL-2)	[Pattern]	APPROXIMATE LIMIT OF LAWN SEED MIX WITHIN PROPERTY INTERIOR

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**PROPOSED RETAIL DEVELOPMENT**  
 1100 BOSTON TURNPIKE  
 BOLTON, CONNECTICUT

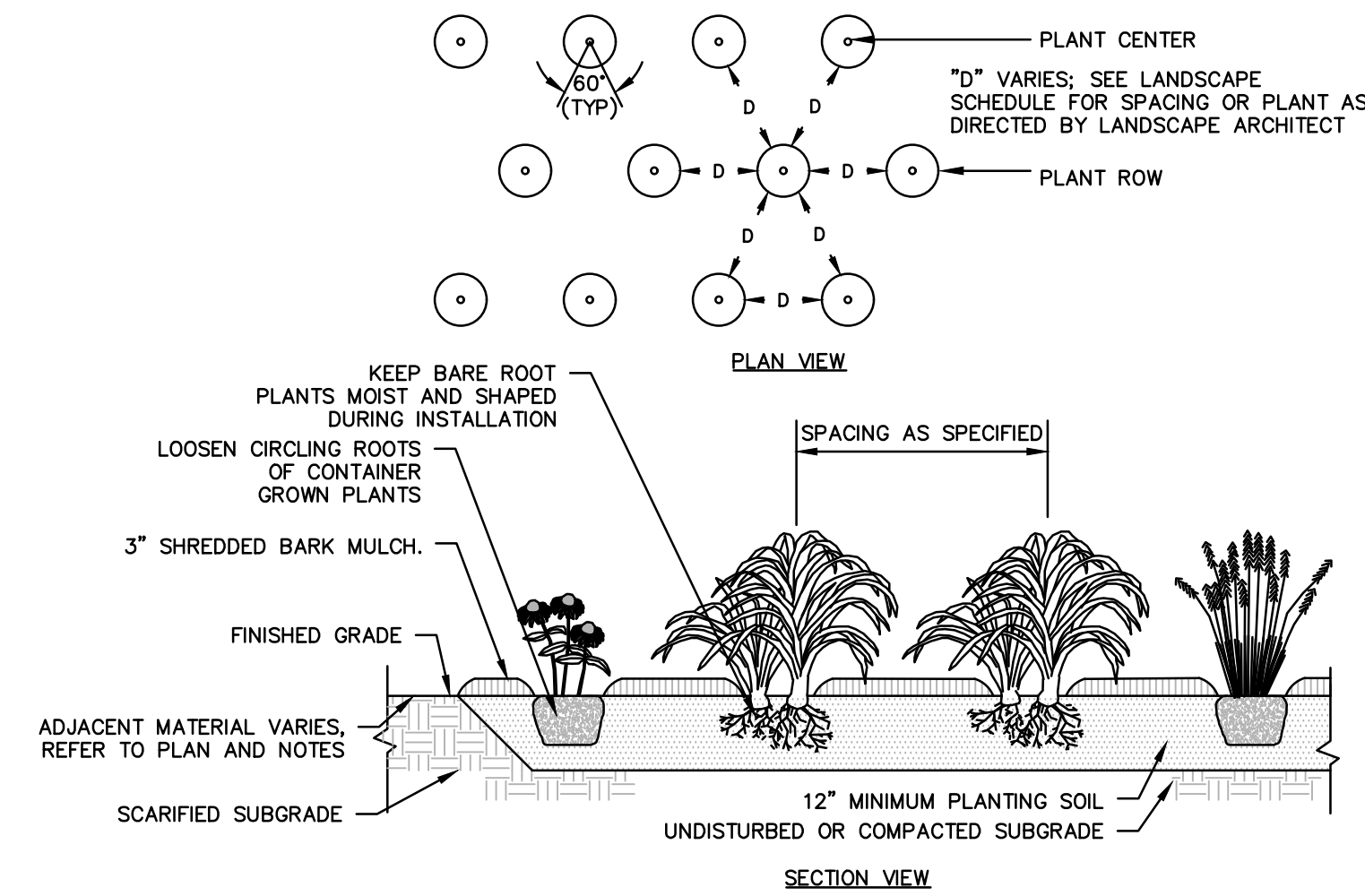
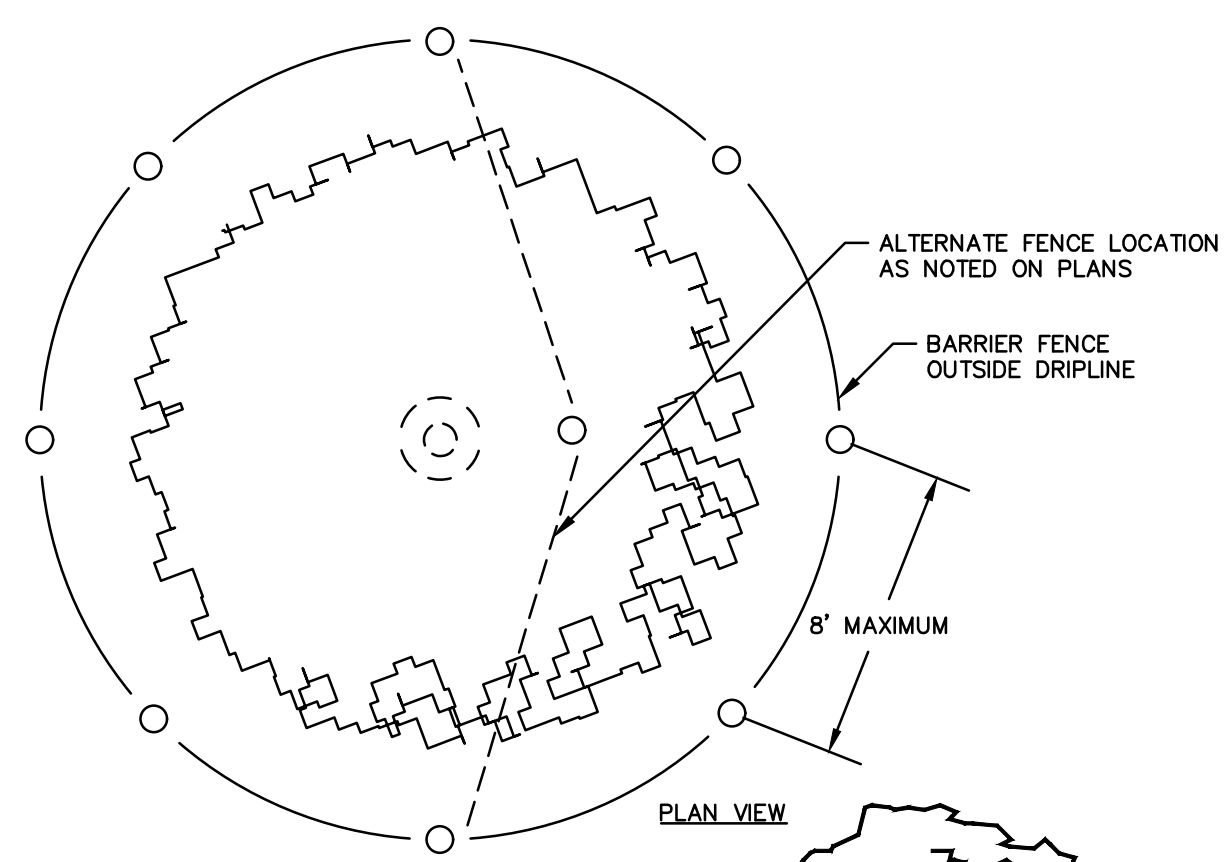
Desc.  
 No.  
 Date

Designed L.M.W.  
 Drawn L.M.W.  
 Reviewed W.E.V.  
 Scale 1"=20'  
 Project No. 2002032  
 Date 04/02/2021  
 CAD File: LL200203201

Title  
**LANDSCAPE PLAN**

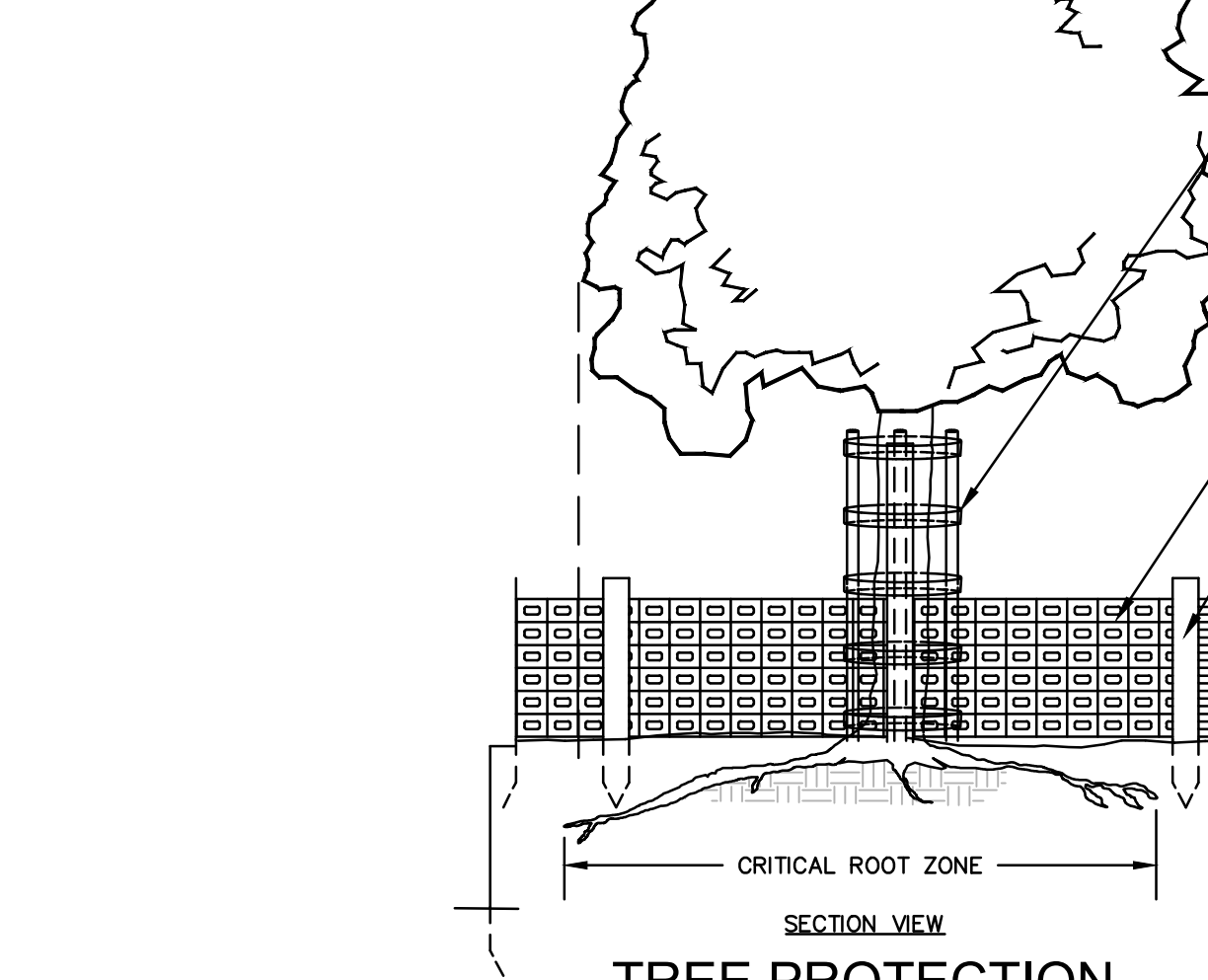
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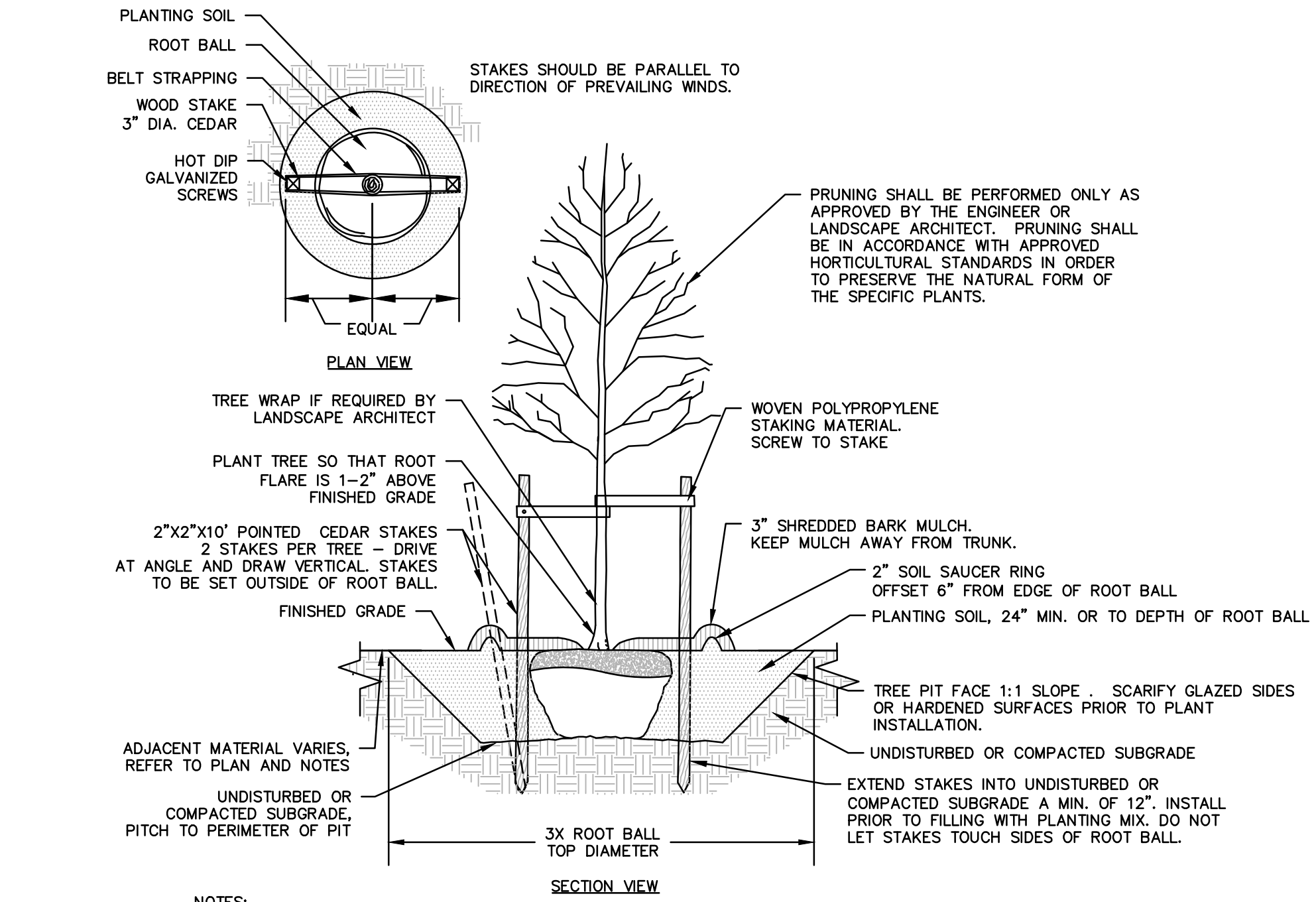
**GROUNDCOVER PLANTING**

N.T.S



**TREE PROTECTION**

N.T.S



**DECIDUOUS TREE PLANTING**

N.T.S

- NOTES:**
- STAKING FOR TREES ON SLOPES SHALLower THAN 4:1 OR LESS THAN 3" CALIPER TO BE PERFORMED AT CONTRACTOR'S DISCRETION.
  - WOVEN POLYPROPYLENE STAKING MATERIAL SHALL BE DEEPROOT ARBORITE (GREEN) OR APPROVED EQUIVALENT. MATERIAL SHALL BE LOOPED AROUND TREE THROUGH EACH OTHER, TWISTED, AND SECURED TO THE STAKE. INSTALL SPECIFIED MATERIAL IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS.
  - BEFORE IN HOLE, REMOVE BOTTOM OF CAGE. ONCE IN HOLE, REMOVE REST OF CAGE FROM ROOT BALL. REMOVE TWINE AND BURLAP FROM TOP 1/3 OF ROOT BALL - SCORE REMAINING 2/3 OF BURLAP. IF BURLAP IS SYNTHETIC OR HAS BEEN TREATED WITH ANTI-DESICCANT, COMPLETELY REMOVE IT FROM ROOT BALL.

**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 \_\_\_\_\_

**SEED MIX NOTES**

- A. LAWN SEEDING MIX:**
- 15% PERENNIAL RYEGRASS (BLEND OF 3 IMPROVED HYBRIDS)
  - 25% FINE LEAF OR CREEPING FESCUE (BLEND OF 3 IMPROVED HYBRIDS)
  - 60% KENTUCKY BLUEGRASS (BLEND OF 3 IMPROVED HYBRIDS)
- SEEDING RATE: 5 LBS/1,000 S.F.
- SEEDING DATES: AUGUST 15 - OCTOBER 1 AND APRIL 15 - JUNE 30 UNLESS OTHERWISE APPROVED BY THE OWNER OR LANDSCAPE ARCHITECT.
- B. SOD - TUCKAHOE FESCUE TURF BY TUCKAHOE FARMS OR APPROVED EQUAL**
- 45% REBEL EXEDA TURF TYPE TALL FESCUE, 45% REBEL SENTRY TURF TYPE FALL FESCUE, 10% TUCKAHOE TURF BLUEGRASS BLEND
- FERTILIZATION: PER SOIL TEST AND SOD MANUFACTURER'S RECOMMENDATIONS
- C. WETLAND SEED MIX -**
- NEW ENGLAND WETMIX (WETLAND SEED MIX)
  - NEW ENGLAND WETLAND PLANTS INC. OR APPROVED EQUAL
- SPECIES:** FOX SEDGE (CAREX VULPINOIDEA), LURID SEDGE (CAREX LURIDA), BLUNT BROOM SEDGE (CAREX SCOPARIA), BLUE VERVAIN (VERBENA HASTATA), FOWL BLUEGRASS (POA PALUSTRIS), HOP SEDGE (CAREX LUPULINA), FOWL BLUEGRASS (POA PALUSTRIS), CREEPING SPIKE RUSH (ELEOCHARIS PALUSTRIS), FRINGED SEDGE (CAREX CRINITA), SOFT RUSH (JUNCUS EFFLUSUS), SPOTTED JOE PYE WEED (EUPATORIUM MACULATUM), RATTLESNAKE GRASS (GLYCERIA CANADENSIS), SWAMP ASTER (ASTER PUNICEUS), BLUELAG (IRIS VERSICOLOR), SWAMP MILKWEED (ASCLEPIAS INCARNATA), MONKEY FLOWER (MIMULUS RINGENS).
- APPLICATION RATE:** 20 LBS/ACRE AT STORMWATER PONDS
- SEEDING DATES:** AUGUST 15 - OCTOBER 1 AND APRIL 15 - JUNE 30 UNLESS OTHERWISE APPROVED BY THE OWNER OR LANDSCAPE ARCHITECT.

**LANDSCAPE NOTES**

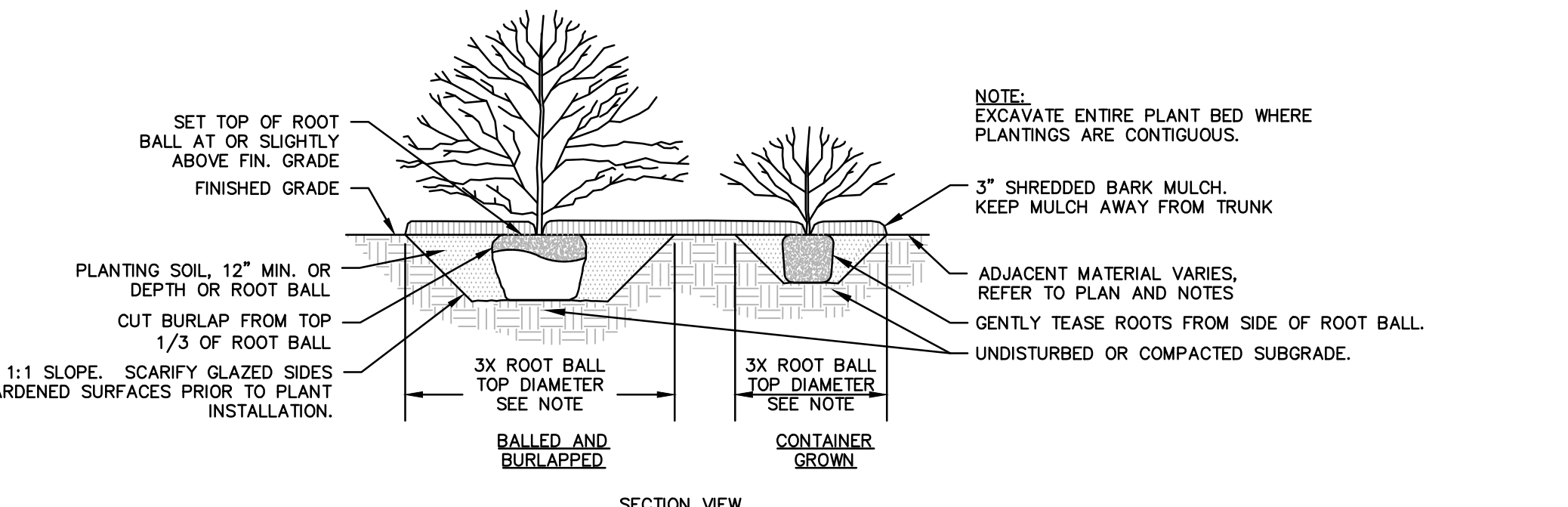
- THE LANDSCAPE PLAN AND DETAIL SHEET ARE FOR LANDSCAPING INFORMATION ONLY. REFER TO THE OTHER PLANS FOR ALL OTHER INFORMATION.
- COORDINATE PLANT MATERIAL LOCATIONS WITH SITE UTILITIES. UTILITY LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. EXERCISE CARE WHEN DIGGING IN AREAS OF POTENTIAL CONFLICT 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<sup>®</sup> 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.
- 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 GUTS, 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 ARCHITECT.
- 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 MUST BE COMPLETED PRIOR TO PLANTING FOR APPROVAL BY THE OWNER OR LANDSCAPE ARCHITECT.
- FINAL GRADES SHALL BLEND SMOOTHLY WITH EXISTING GRADES, AND TOP AND BOTTOM OF SLOPES SHALL BE ROUNDED.
- 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.
- IF TREE STAKING IS PROPOSED, TREE STAKING MUST BE COMPLETED THE SAME DAY AS THE TREE IS INSTALLED. ALL TREES SHALL BE STAKED OR GUYED PER DETAIL.
- 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.
- PLANTING SOIL:

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,Fa,Mn,Zn,Cu,B,Al,Pb) AND NECESSARY AMENDMENTS TO SOIL. THE CONTRACTOR SHALL SUBMIT 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 AT NO INCREASE IN CONTRACT PRICE.

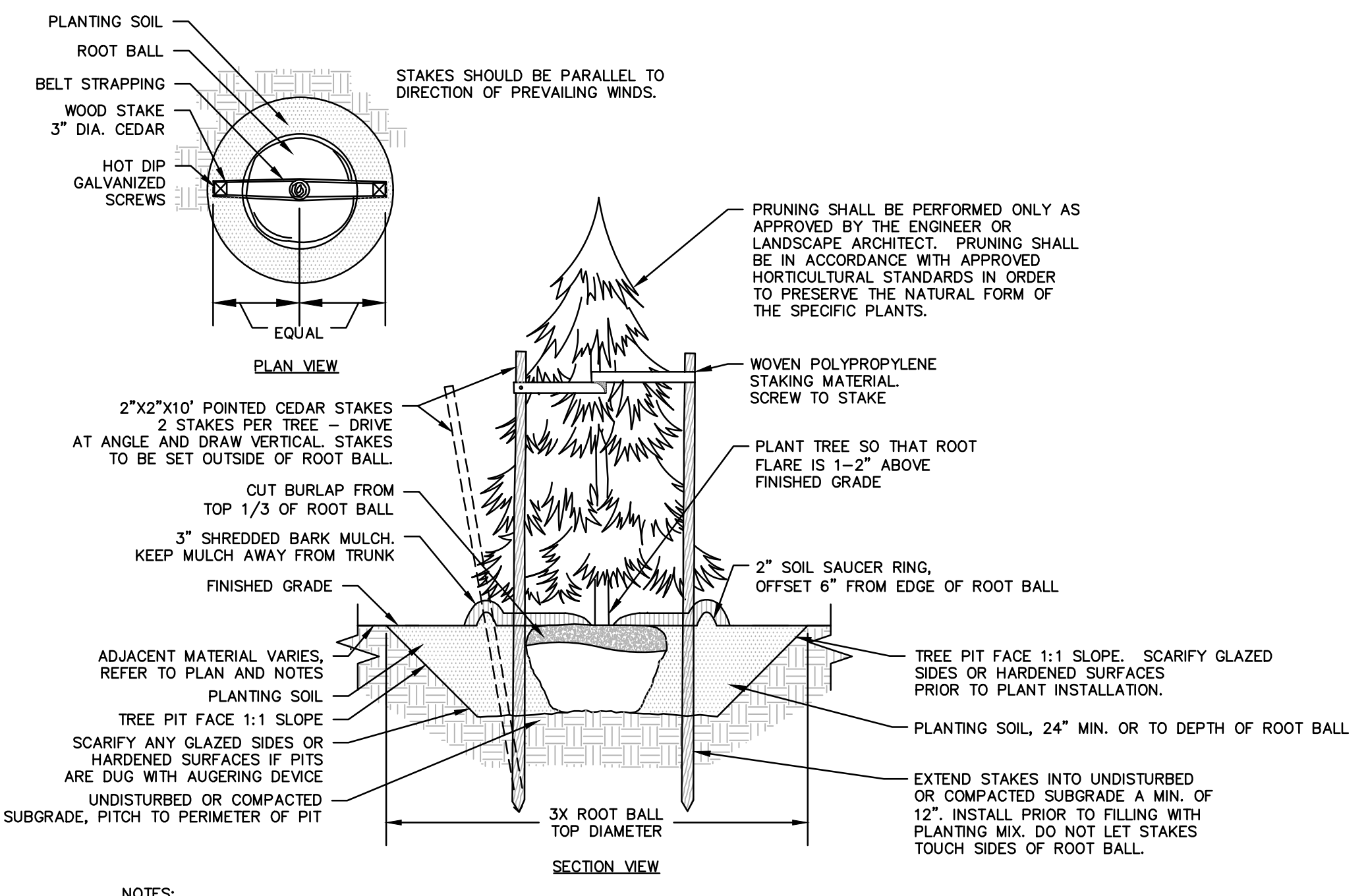
**CHARACTERISTICS:** PLANTING SOIL MAY CONSIST OF EXISTING ON-SITE SOILS, AMENDED ON-SITE SOILS, OR IMPORTED SOILS MEETING THE FOLLOWING CRITERIA:

- A. NOT TO CONTAIN MATERIALS HARMFUL TO PLANT LIFE. TO BE CLEAN, FERTILE, FRIABLE, AND WELL DRAINING. ALL SHOTS, STONES, GLASS, OR ANY SUBSON 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.
- |   |   |
|---|---|
| ORGANIC CONTENT   | 3% - 6% FOR LAWN OR GRASS AREAS.<br>4% - 8% FOR TREE AND SHRUB PLANTERS.  |
| PH  | 6.0 - 7.3   |
| PH  | 6.0 - 7.3   |
| C. 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/50IN.  |   |
| E. SOIL MAY BE TREATED FOR WEEDS WITH PRE-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 MANUFACTURER'S 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 ACCORDANCE WITH STATE AND FEDERAL REGULATIONS. |   |
| F. PROPOSED TOPSOIL SHALL MEET THE USDA SOILS TEXTURAL PERCENTAGES OF SAND, SILT, AND CLAY FOR FOLLOWING CLASSIFICATIONS:   |   |
| LOAM  | - 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 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.  |   |



**SHRUB PLANTING**

N.T.S



**EVERGREEN TREE PLANTING**

N.T.S

- NOTES:**
- STAKING FOR TREES ON 4:1 SLOPES OR LESS TO BE PERFORMED AT CONTRACTOR'S DISCRETION.
  - WOVEN POLYPROPYLENE STAKING MATERIAL SHALL BE DEEPROOT ARBORITE (GREEN) OR APPROVED EQUIVALENT. MATERIAL SHALL BE LOOPED AROUND TREE THROUGH EACH OTHER, TWISTED, AND SECURED TO THE STAKE. INSTALL SPECIFIED MATERIAL IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS.
  - BEFORE IN HOLE, REMOVE BOTTOM OF CAGE. ONCE IN HOLE, REMOVE REST OF CAGE FROM ROOT BALL. REMOVE TWINE AND BURLAP FROM TOP 1/3 OF ROOT BALL - SCORE REMAINING 2/3 OF BURLAP. IF BURLAP IS SYNTHETIC OR HAS BEEN TREATED WITH ANTI-DESICCANT, COMPLETELY REMOVE IT FROM ROOT BALL.



100 Constitution Plaza  
Hartford, CT 06103  
(860) 249-2200  
(860) 249-2400 Fax



**PROPOSED RETAIL DEVELOPMENT**  
1100 BOSTON TURNPIKE  
BOLTON, CONNECTICUT

REVISED	Date	Desc.
No.		
Designed	L.M.W.	
Drawn	L.M.W.	
Reviewed	W.E.V.	
Scale	NTS	
Project No.	2002032	
Date	04/02/2021	
CAD File:	LL200203201	
Title		
Sheet No.		

**LANDSCAPE NOTES AND DETAILS**

**LL-2**

**FOR PERMITTING PURPOSES ONLY  
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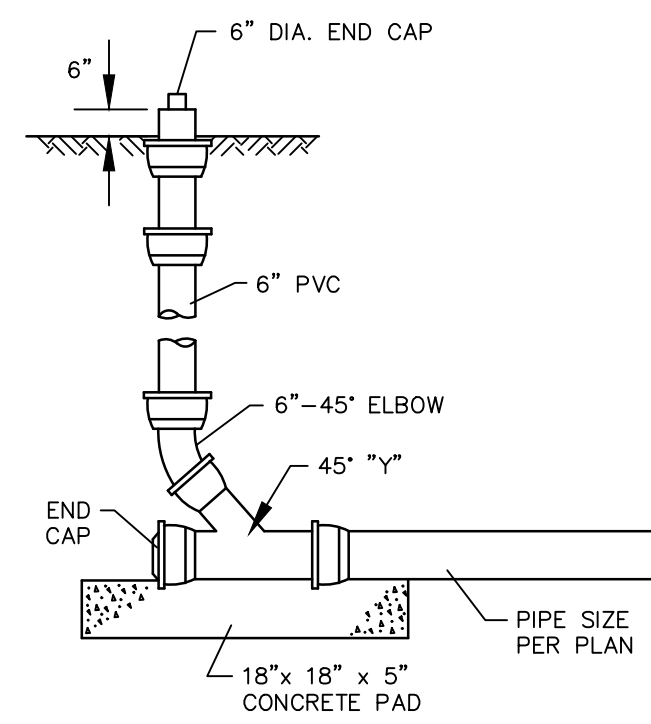






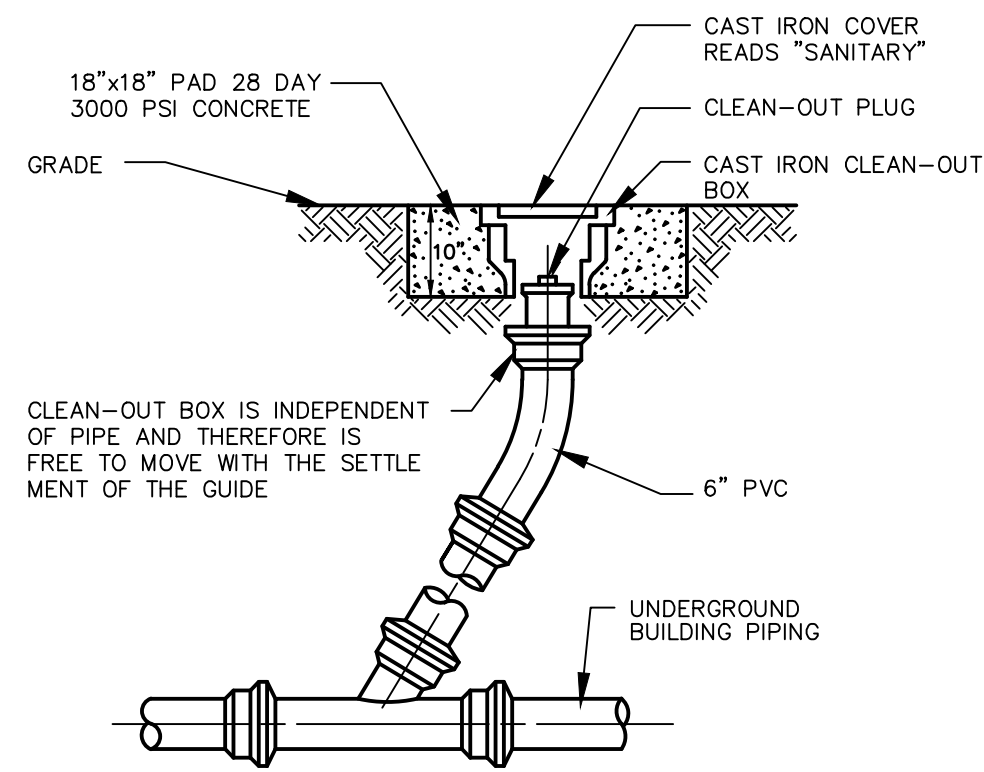






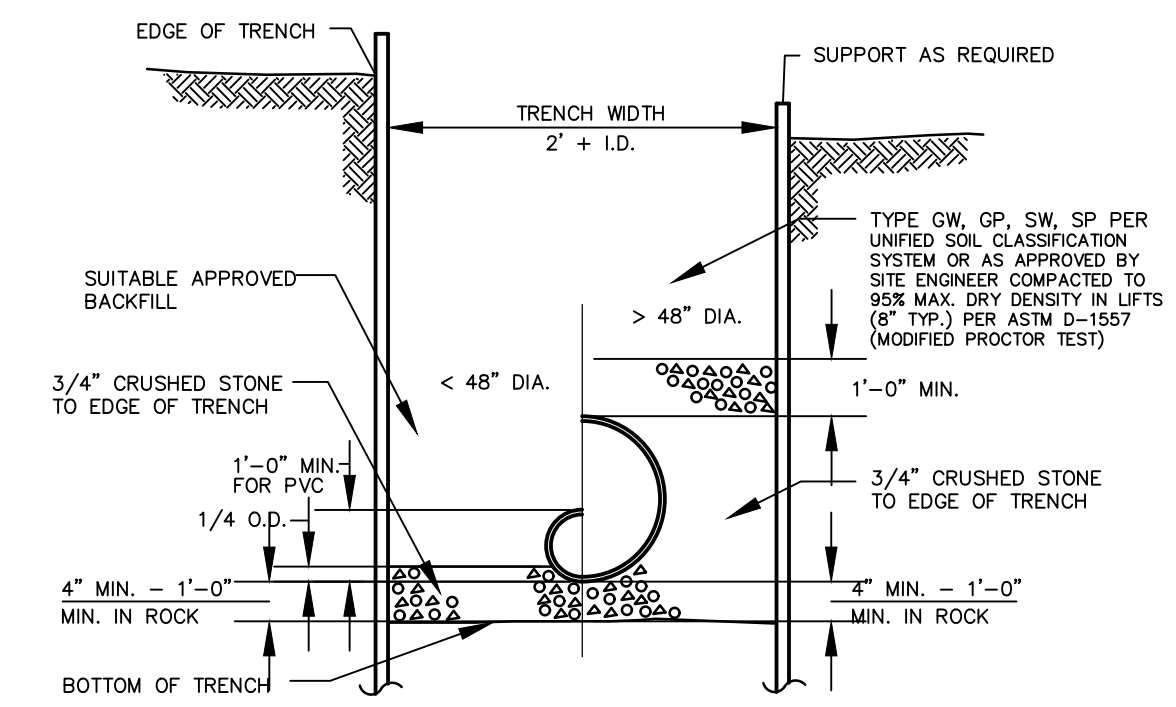
**CLEANOUT IN LANDSCAPED AREA**

N.T.S. BLS-007



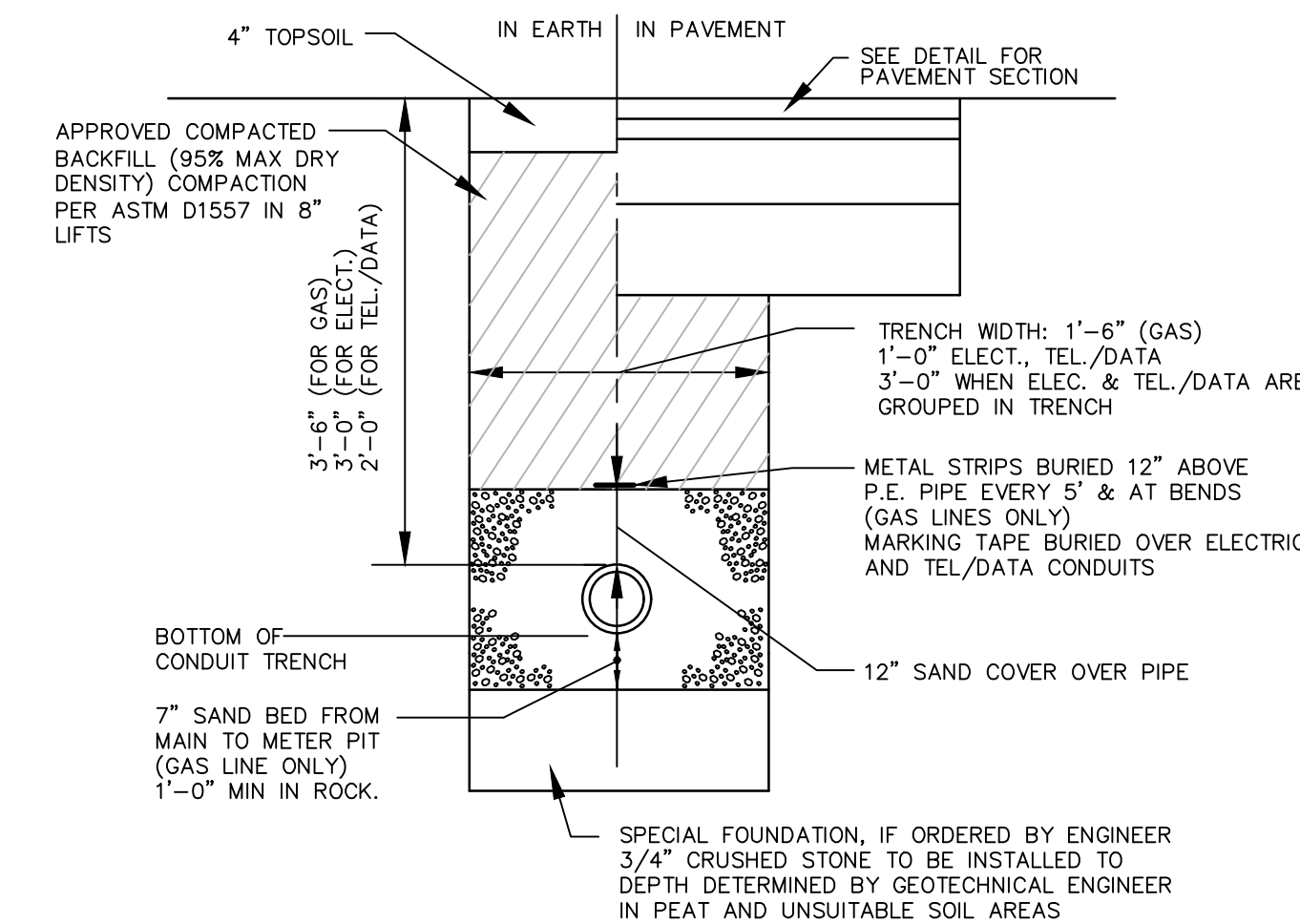
**CLEANOUT IN PAVED AREA**

N.T.S. BLS-008



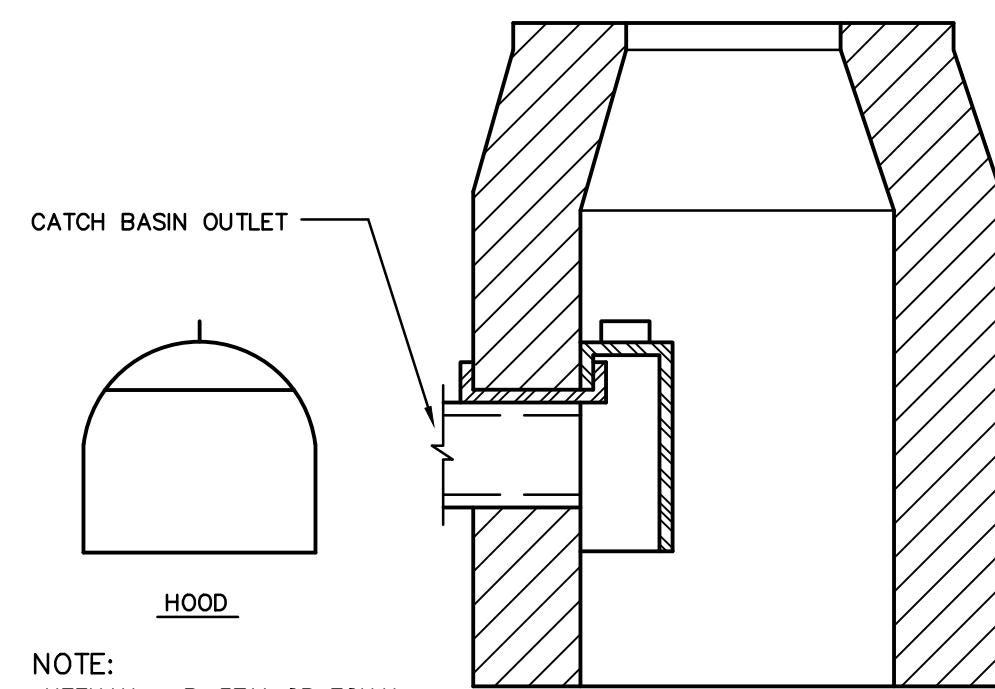
**TYPICAL STORM SEWER TRENCH SECTION**

N.T.S. BLD-004



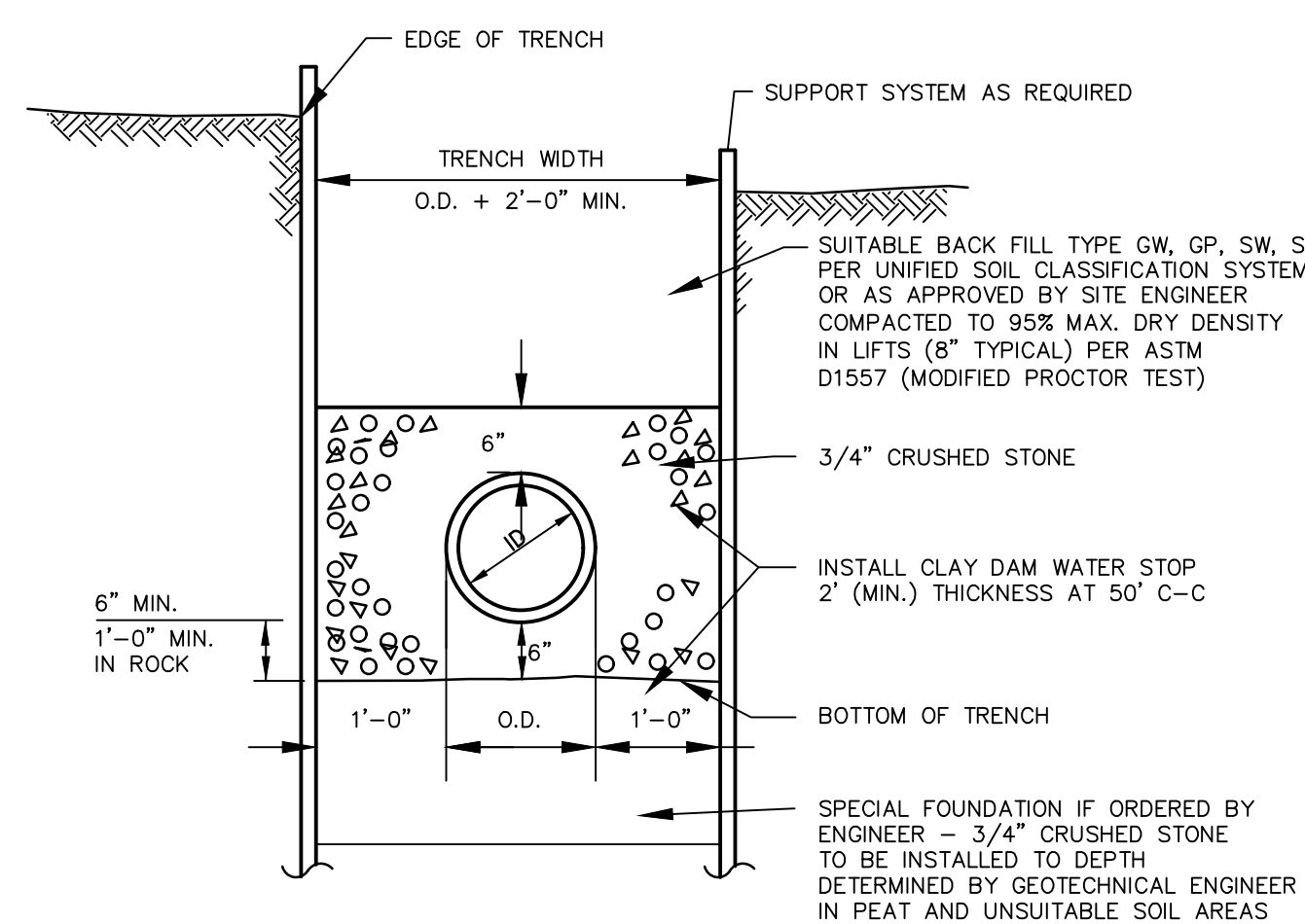
**ELECTRICAL, TELEPHONE AND GAS TRENCH DETAIL**

N.T.S. BLU-001



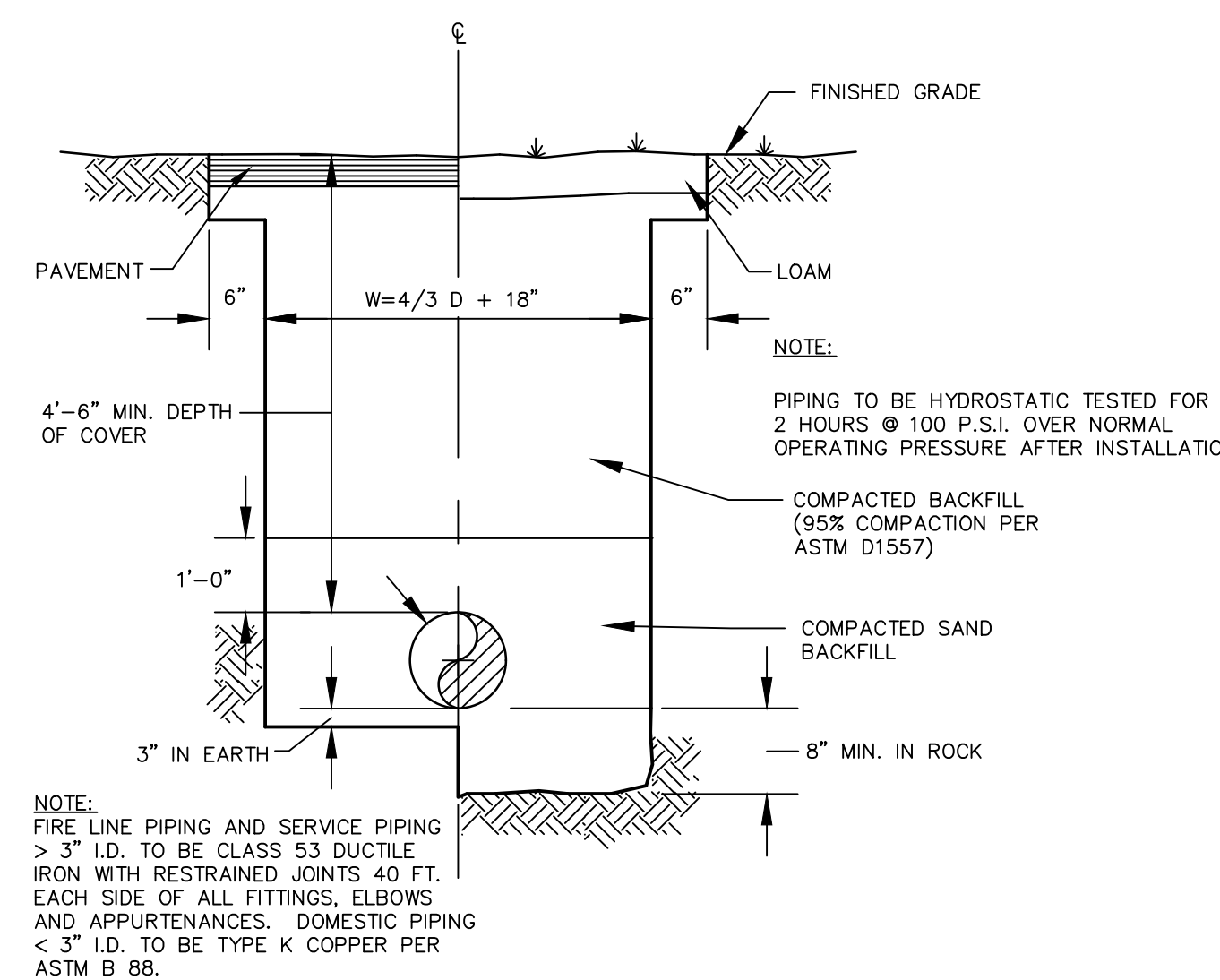
**HOODED OUTLET**

N.T.S.



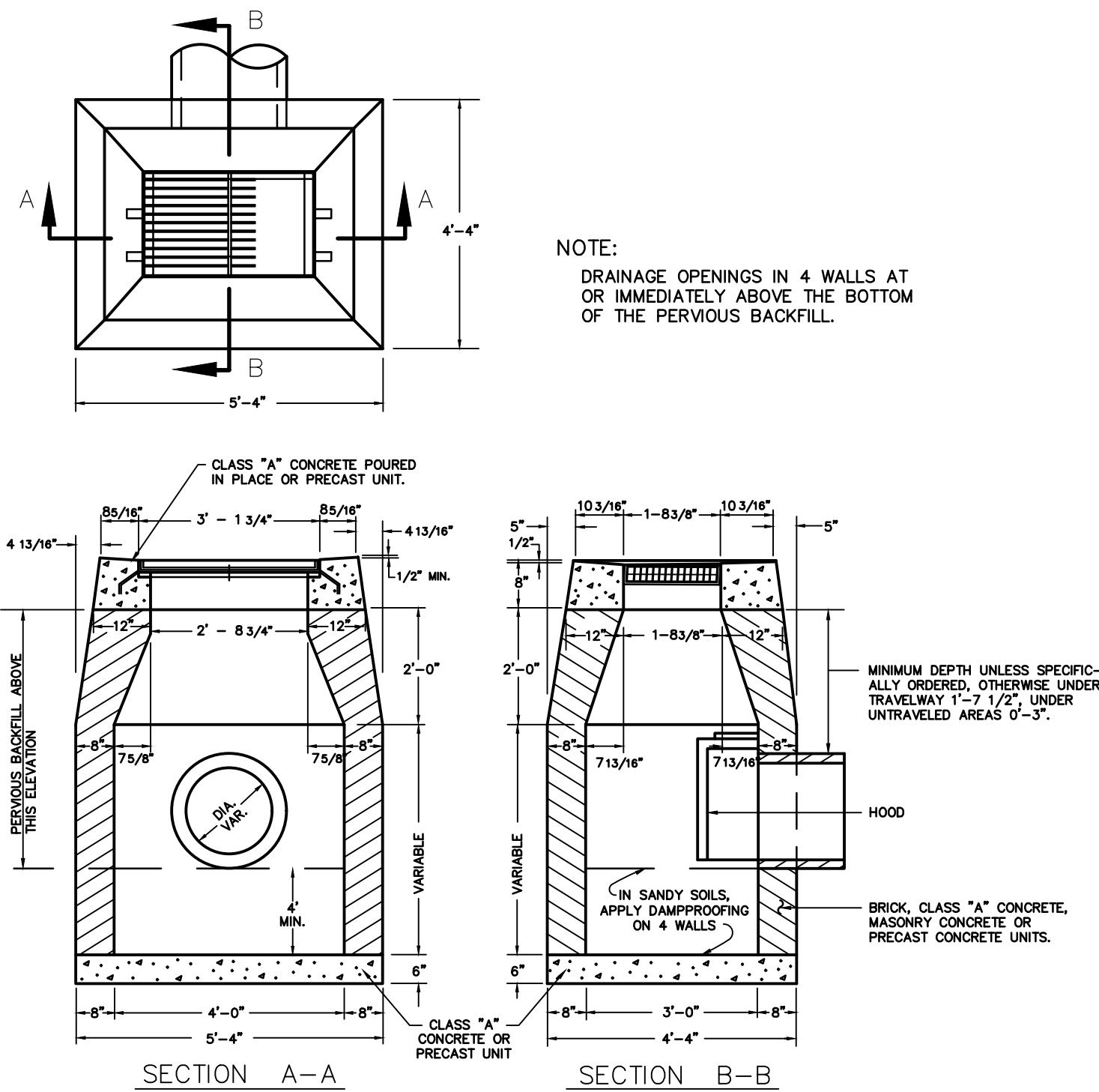
**TYPICAL SANITARY SEWER TRENCH SECTION**

N.T.S. BLS-010



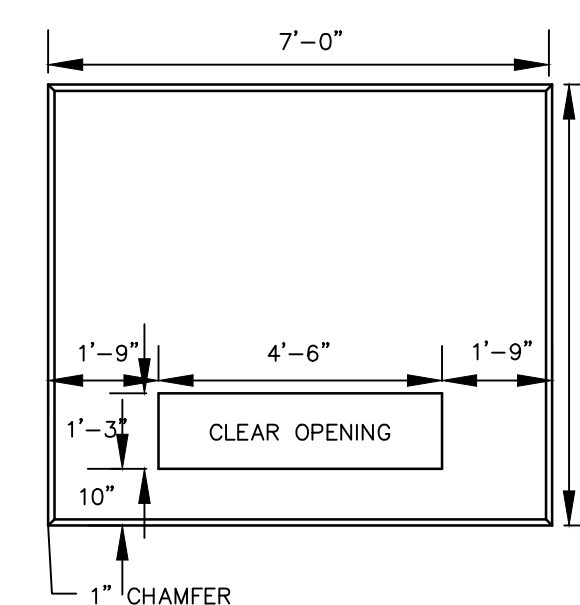
**TYPICAL WATER SERVICE TRENCH DETAIL**

N.T.S. BLW-005



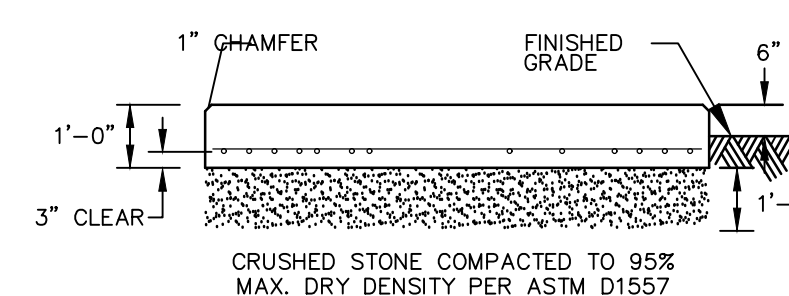
**TYPE "C-L" CATCH BASIN WITH HOOD**

N.T.S.



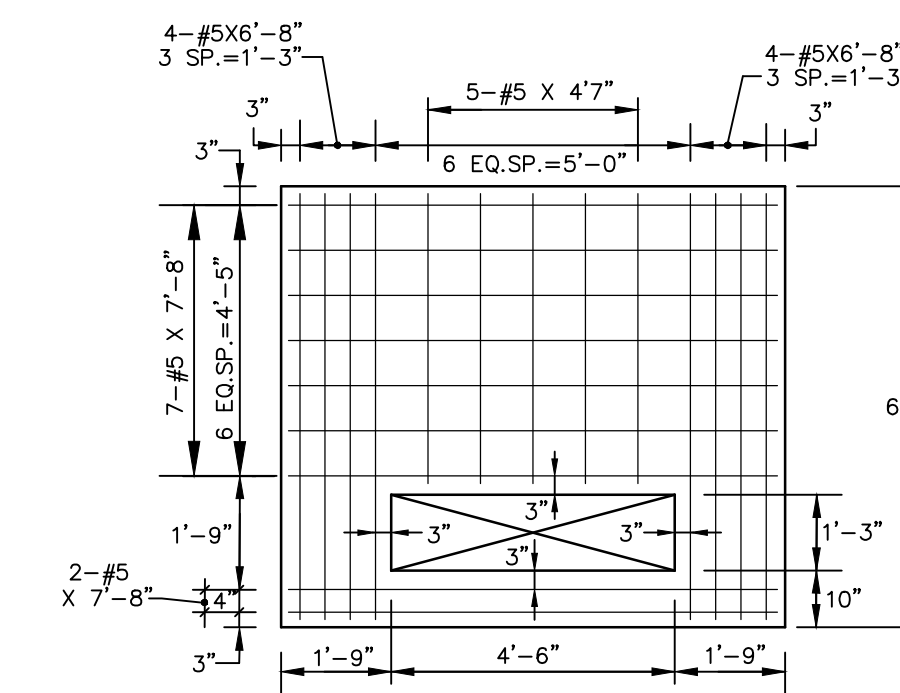
**PLAN VIEW**

N.T.S.



**SECTION**

CONFIRM SIZE WITH ELECTRIC COMPANY PRIOR TO CONSTRUCTION



**PLAN OF REINFORCING**

BLLE-001

**BOLTON PLANNING AND ZONING COMMISSION, BOLTON, CT**

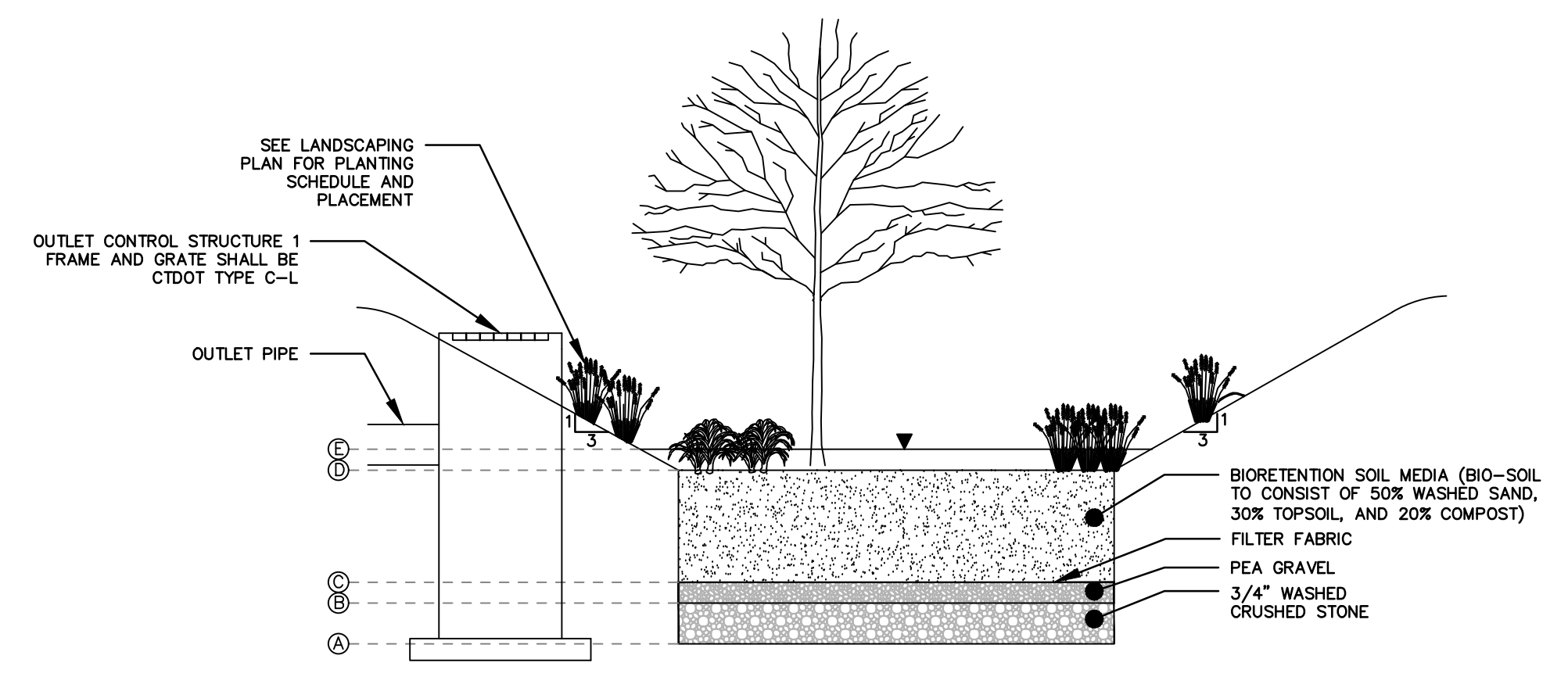
DATE APPROVED \_\_\_\_\_ DATE OF EXPIRATION \_\_\_\_\_

CHAIRMAN

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

**FOR PERMITTING PURPOSES ONLY  
NOT RELEASED FOR CONSTRUCTION**

REVISIONS	Date	Desc.
No.		
Designed		S.E.L.
Drawn		S.E.L.
Reviewed		
Scale		NONE
Project No.		2002032
Date		04/02/2021
CAD File:		DN200203201
Title		
Sheet No.		



**TYPICAL BIORETENTION BASIN SECTION**  
N.T.S.

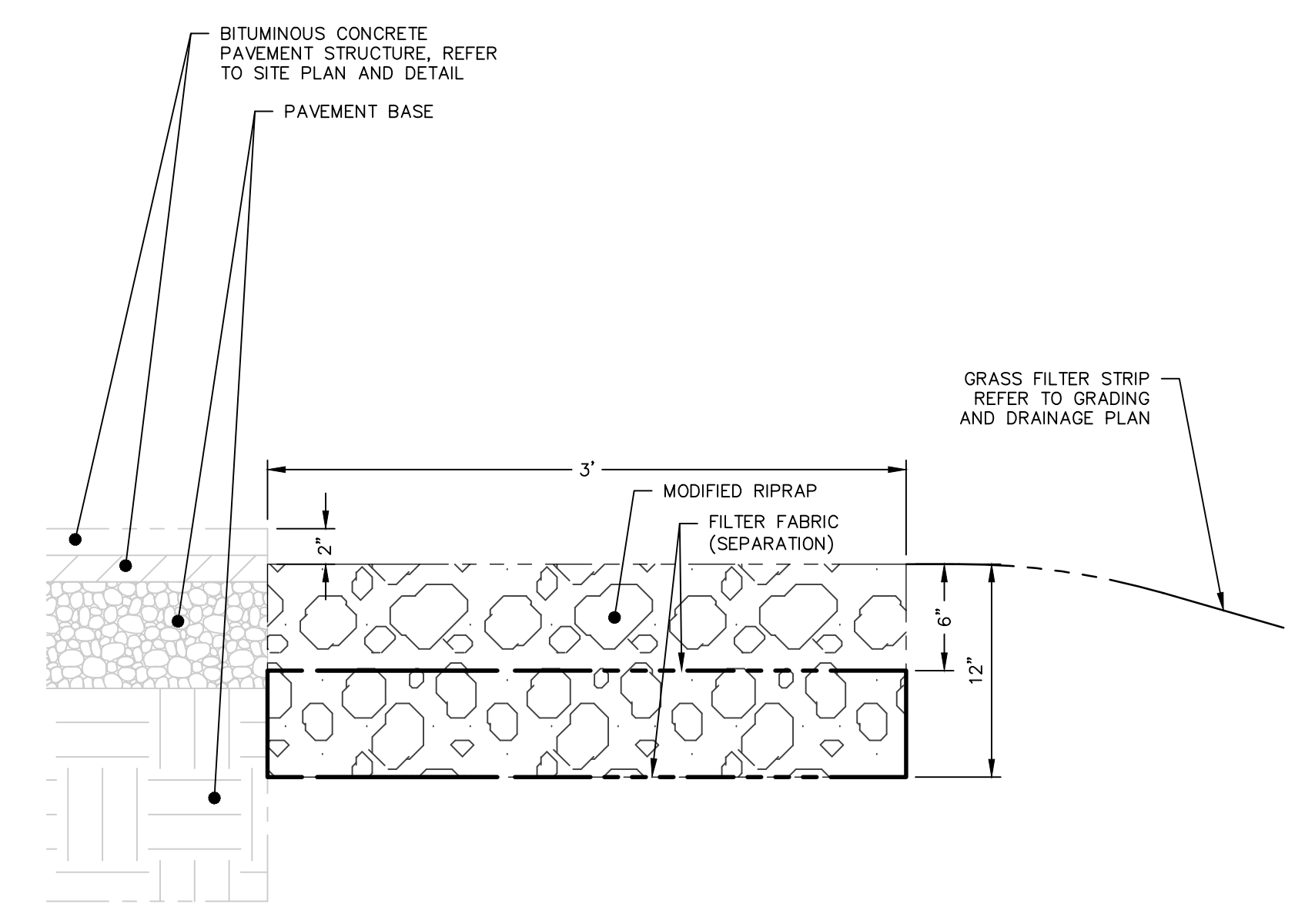
	BOTTOM OF CRUSHED STONE (A)	TOP OF CRUSHED STONE/BOTTOM OF PEA GRAVEL (B)	TOP OF PEA GRAVEL/FILTER FABRIC/BOTTOM OF BIORETENTION SOIL MEDIA (C)	TOP OF BIORETENTION SOIL MEDIA (D)	WATER QUALITY VOLUME REQUIRED	WATER QUALITY VOLUME PROVIDED (E)
BIORETENTION BASIN #1	656.00 FT	657.00 FT	657.25 FT	660.00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

	1\"/>	
BIORETENTION BASIN #1	656.16	661.91

- NOTES AND DESIGN REQUIREMENTS
1. THE IMPOUNDED AREA CREATED ABOVE THE BIORETENTION SOIL MEDIA HAS BEEN SIZED TO HOLD WATER QUALITY VOLUME FROM FIRST 1\"/>
  2. RECHARGE WILL BE PROVIDED BY BIORETENTION BASIN.
  3. THE BIORETENTION BASIN WAS DESIGNED USING RECOMMENDED INFILTRATION RATE THROUGH THE PLANTING SOIL OF 5 IN/HR.
  4. THE OWNER IS RESPONSIBLE FOR MAINTENANCE OF BIORETENTION BASIN.
  5. REFER TO LANDSCAPING PLAN FOR PLANT AND SEED SCHEDULE FOR BIORETENTION BASIN.
  6. 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).

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

**FOR PERMITTING PURPOSES ONLY  
NOT RELEASED FOR CONSTRUCTION**



**ENERGY DISSIPATION TRENCH**  
N.T.S.

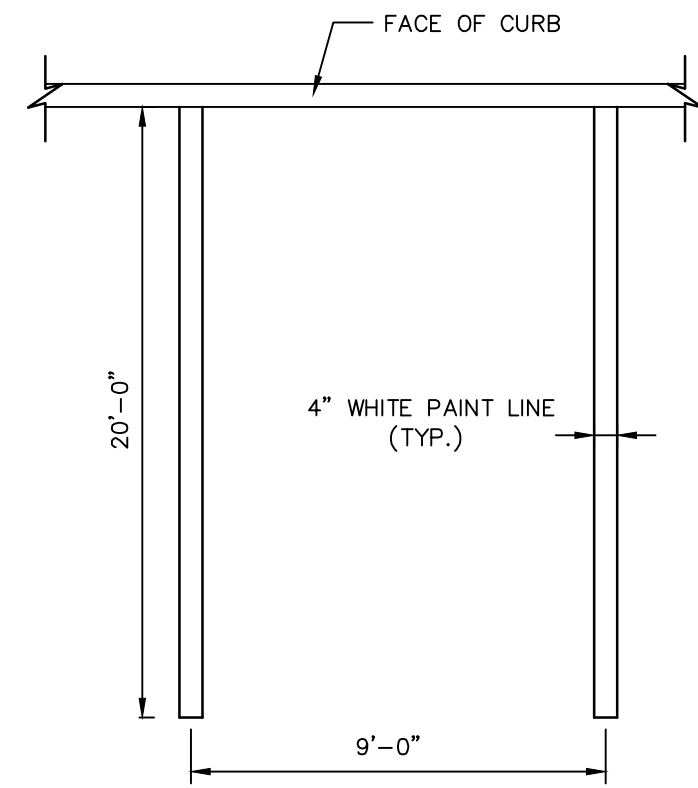
**BOLTON PLANNING AND ZONING COMMISSION, BOLTON, CT**

DATE APPROVED \_\_\_\_\_ DATE OF EXPIRATION \_\_\_\_\_

\_\_\_\_\_  
CHAIRMAN

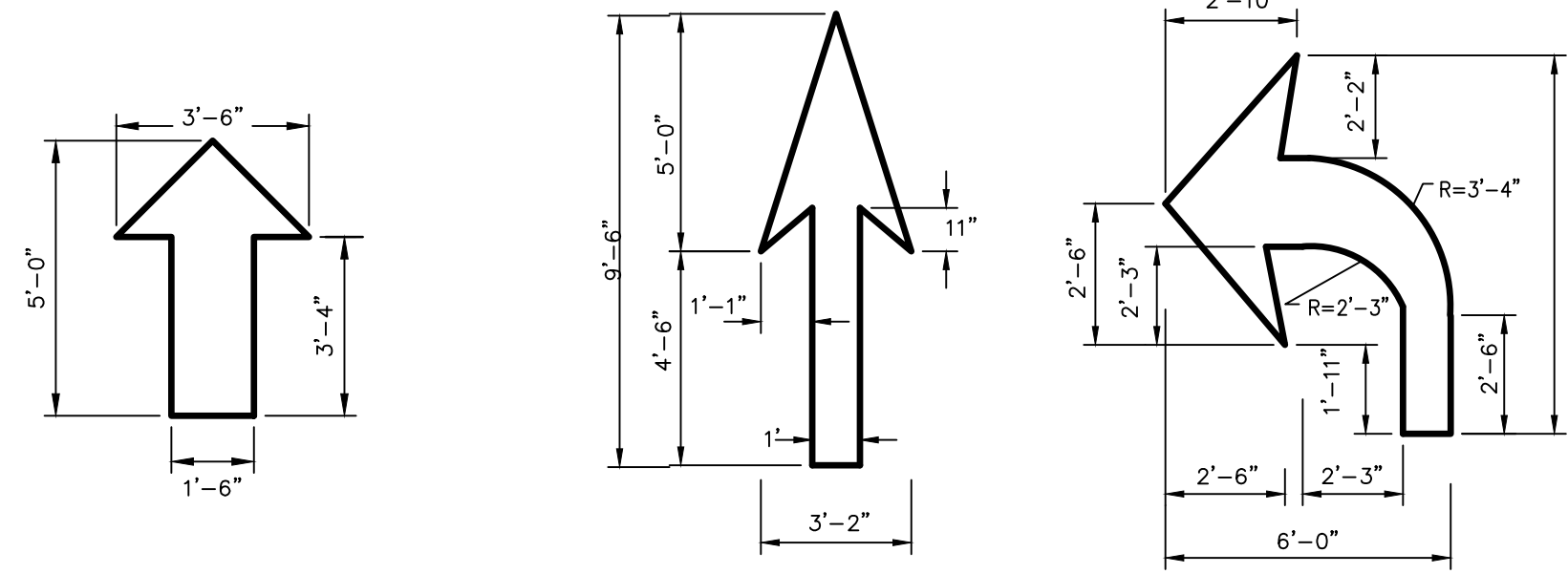
THE STATUTORY FIVE-YEAR PERIOD FOR COMPLETION OF ALL PHYSICAL IMPROVEMENTS EXPIRES ON \_\_\_\_\_





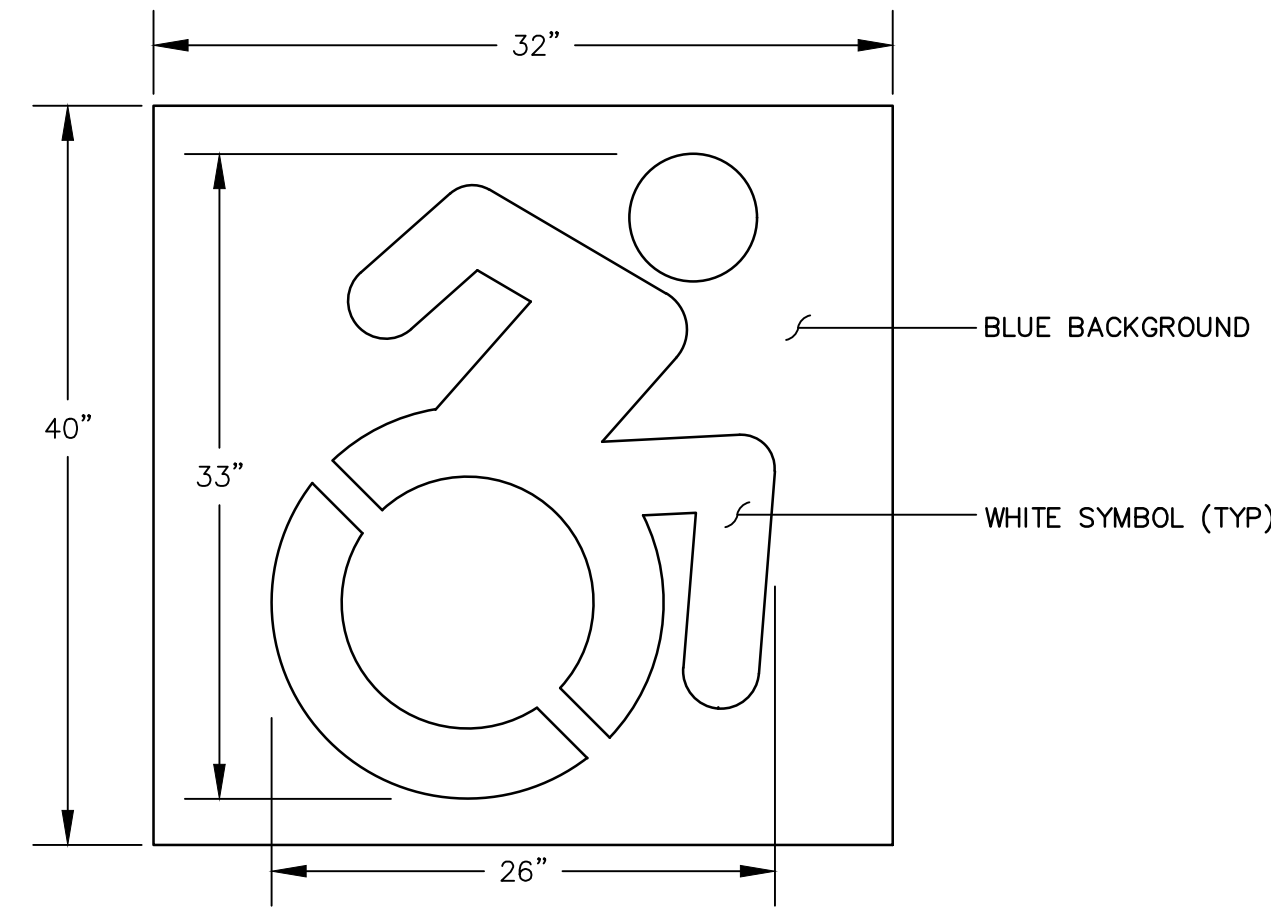
NOTE:  
1. PROVIDE 2 COATS OF PAINT ON ALL SURFACES.  
2. SEE PLAN FOR ACTUAL SPACE LOCATION AND DIMENSIONS.

**TYPICAL PARKING SPACE DETAIL**  
N.T.S. BLPC-003



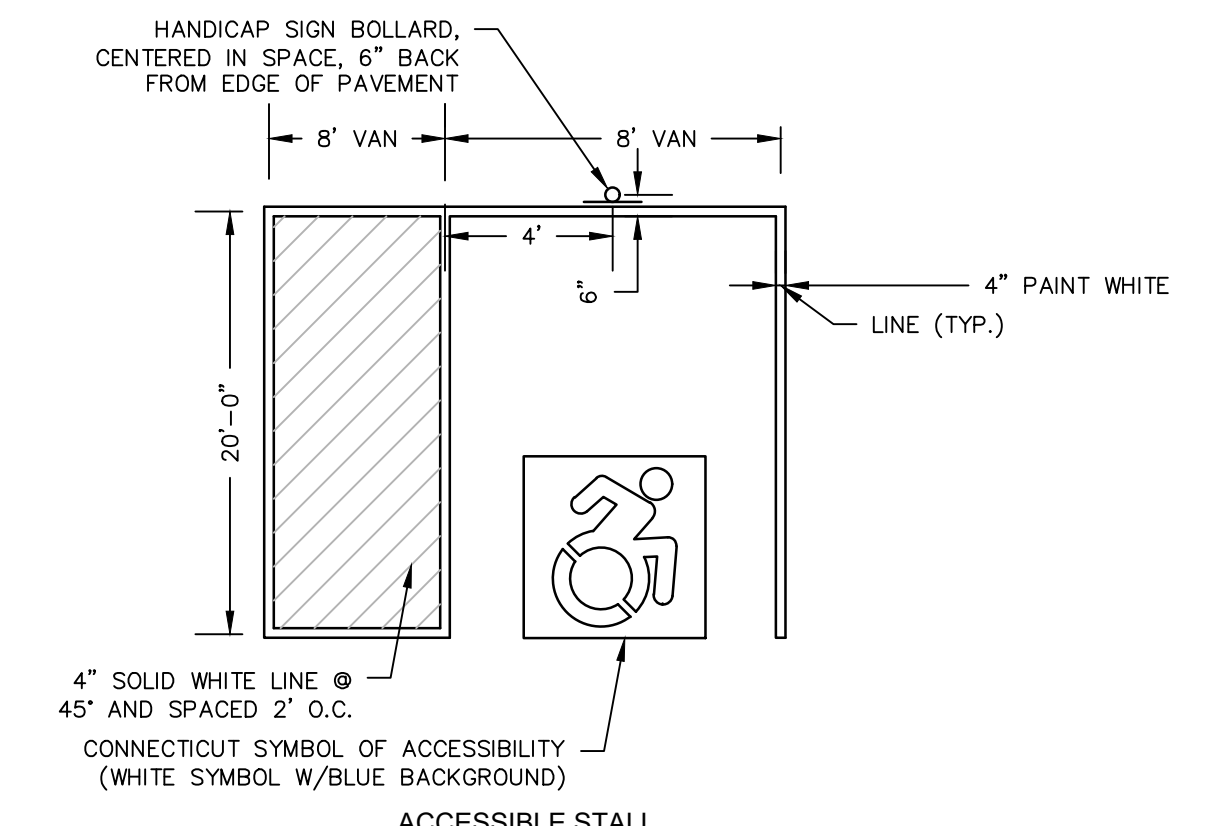
NOTES:  
1. WHITE (ARROWS TO BE CENTERED IN TRAVEL LANE)

**PAINTED TRAFFIC ARROW DETAILS**  
N.T.S. BLPC-006



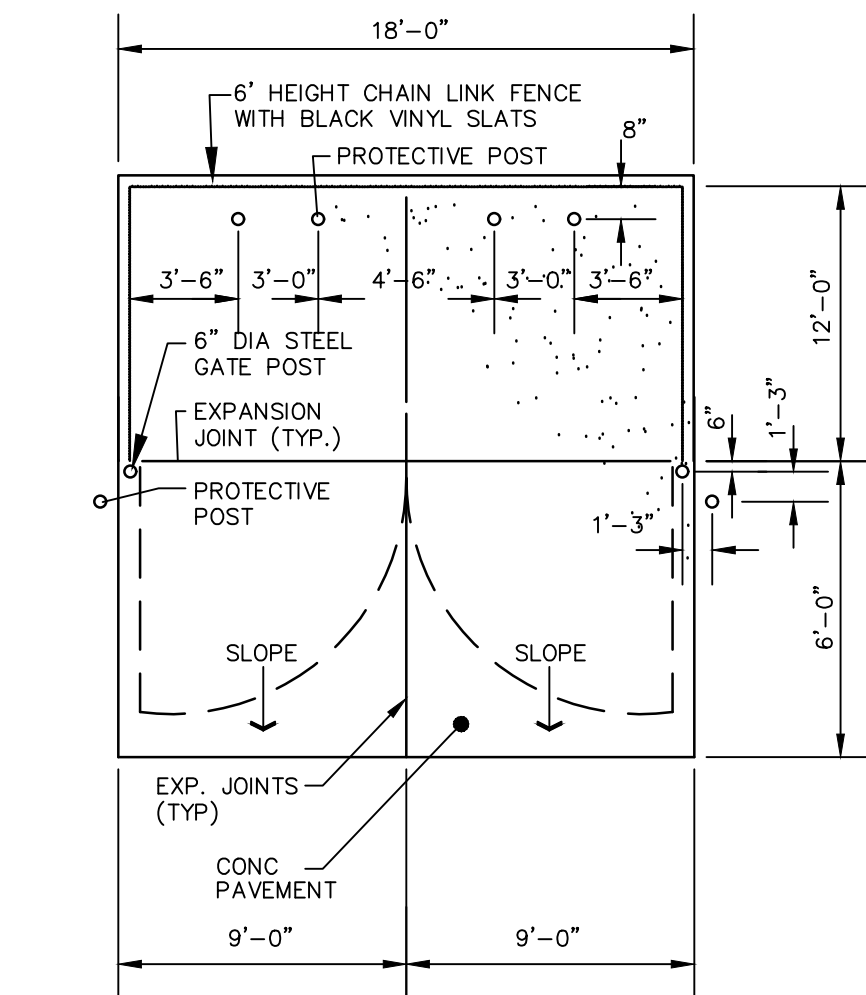
NOTE: HANDICAP SYMBOL TO ADHERE TO STATE BUILDING CODE, LATEST EDITION

**CONNECTICUT SYMBOL OF ACCESSIBILITY**  
N.T.S.

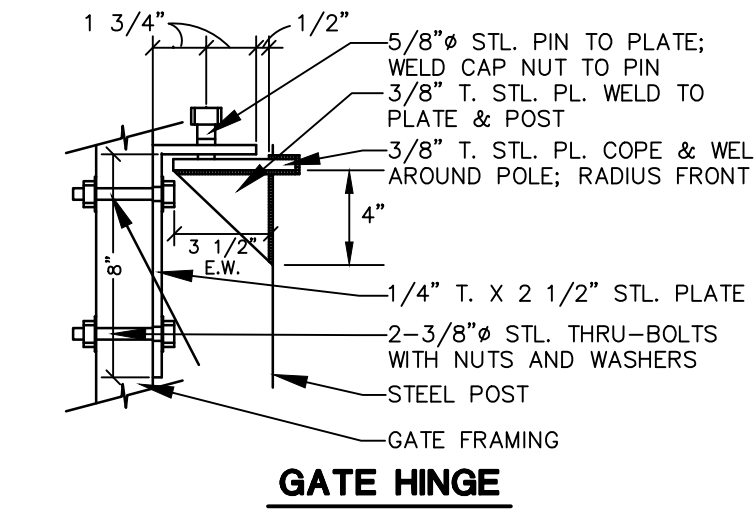


NOTE:  
UNIFORM FEDERAL ACCESSIBILITY STANDARDS, SECTION 4.30. & 2010 ADA

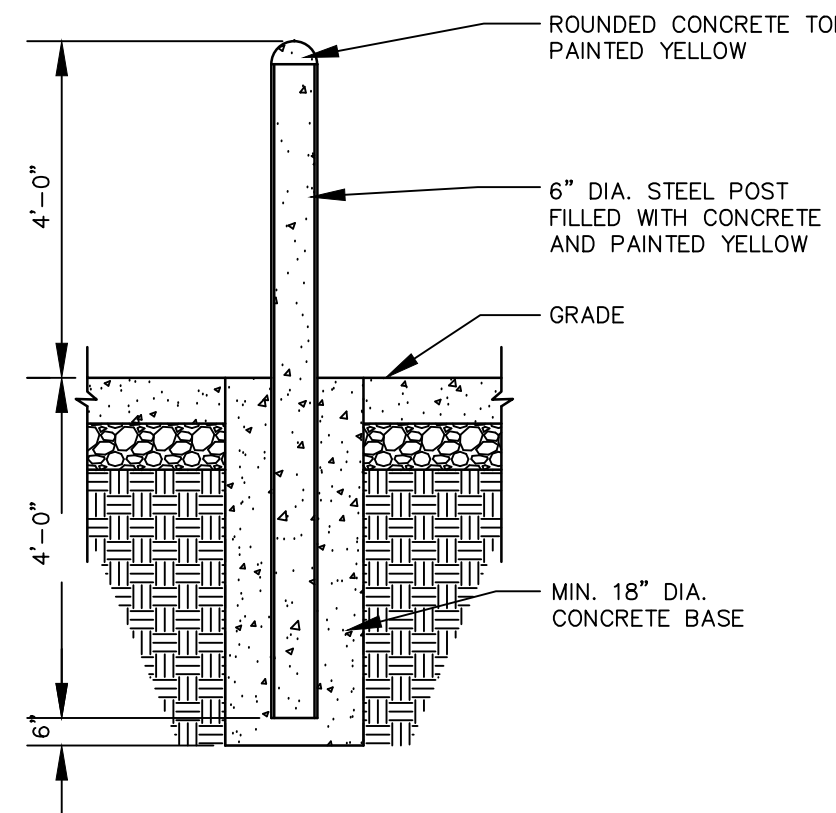
**TYPICAL HANDICAP PARKING STALL LAYOUT**  
N.T.S.



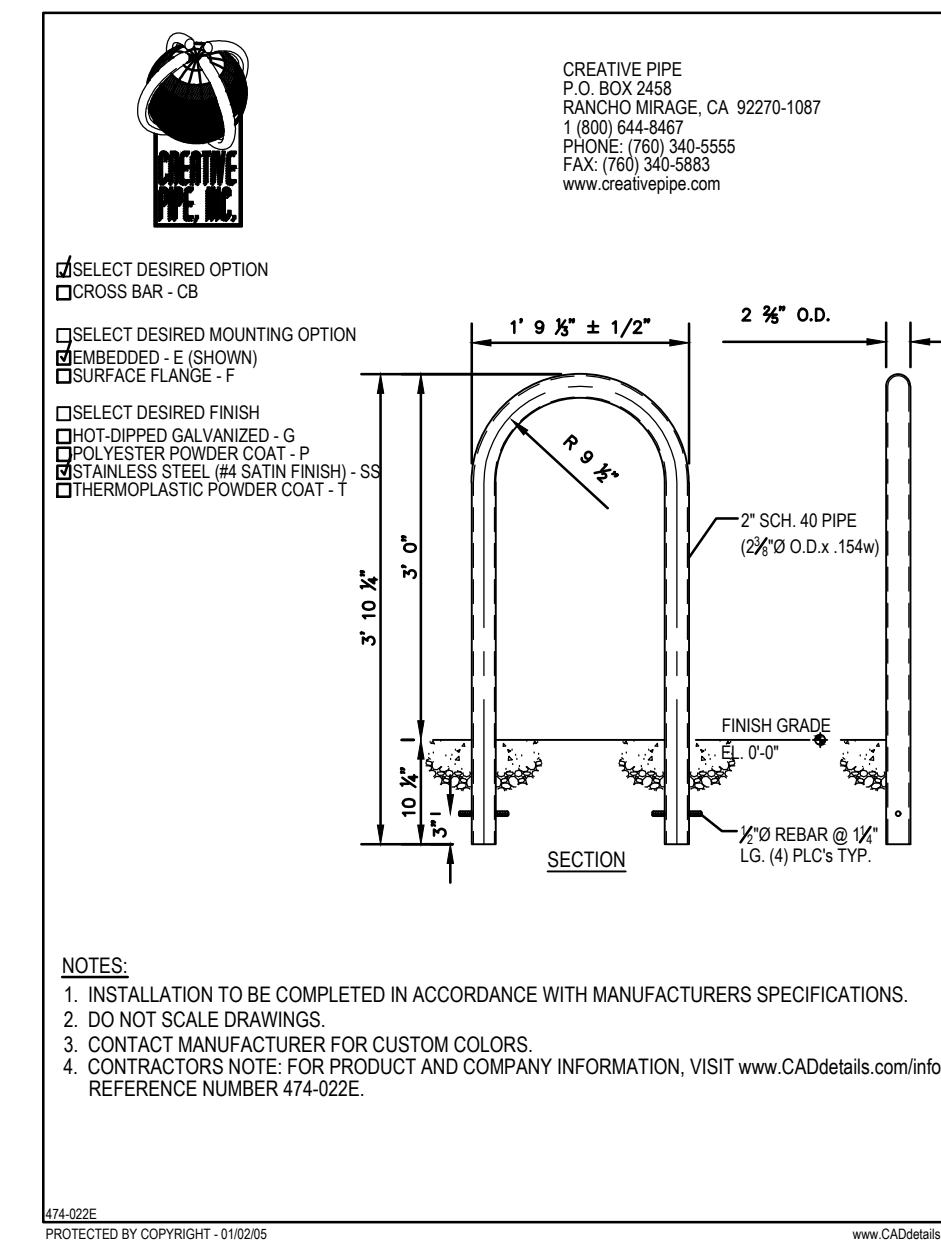
**TRASH ENCLOSURE PLAN**  
N.T.S. BLSE-004



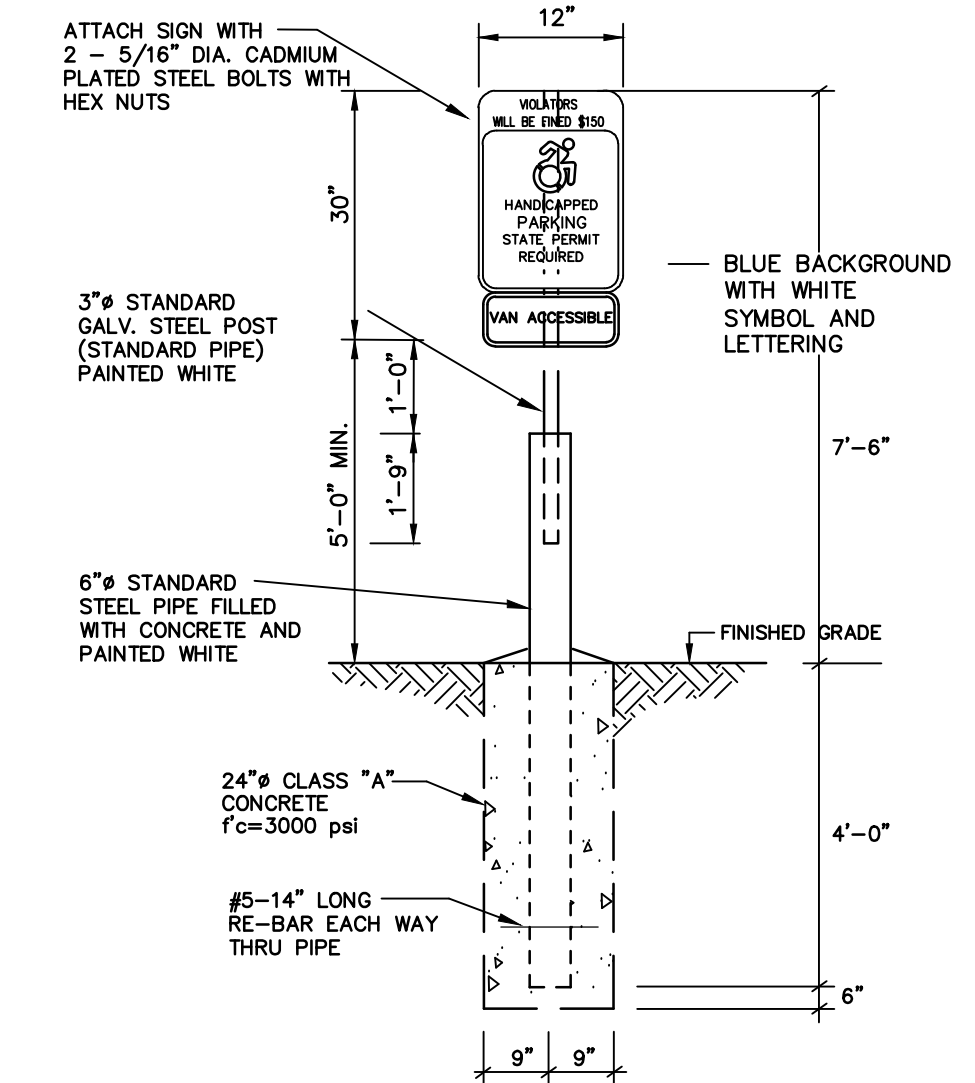
**TRASH ENCLOSURE GATE (HALF SECTION)**  
N.T.S. BLSE-001



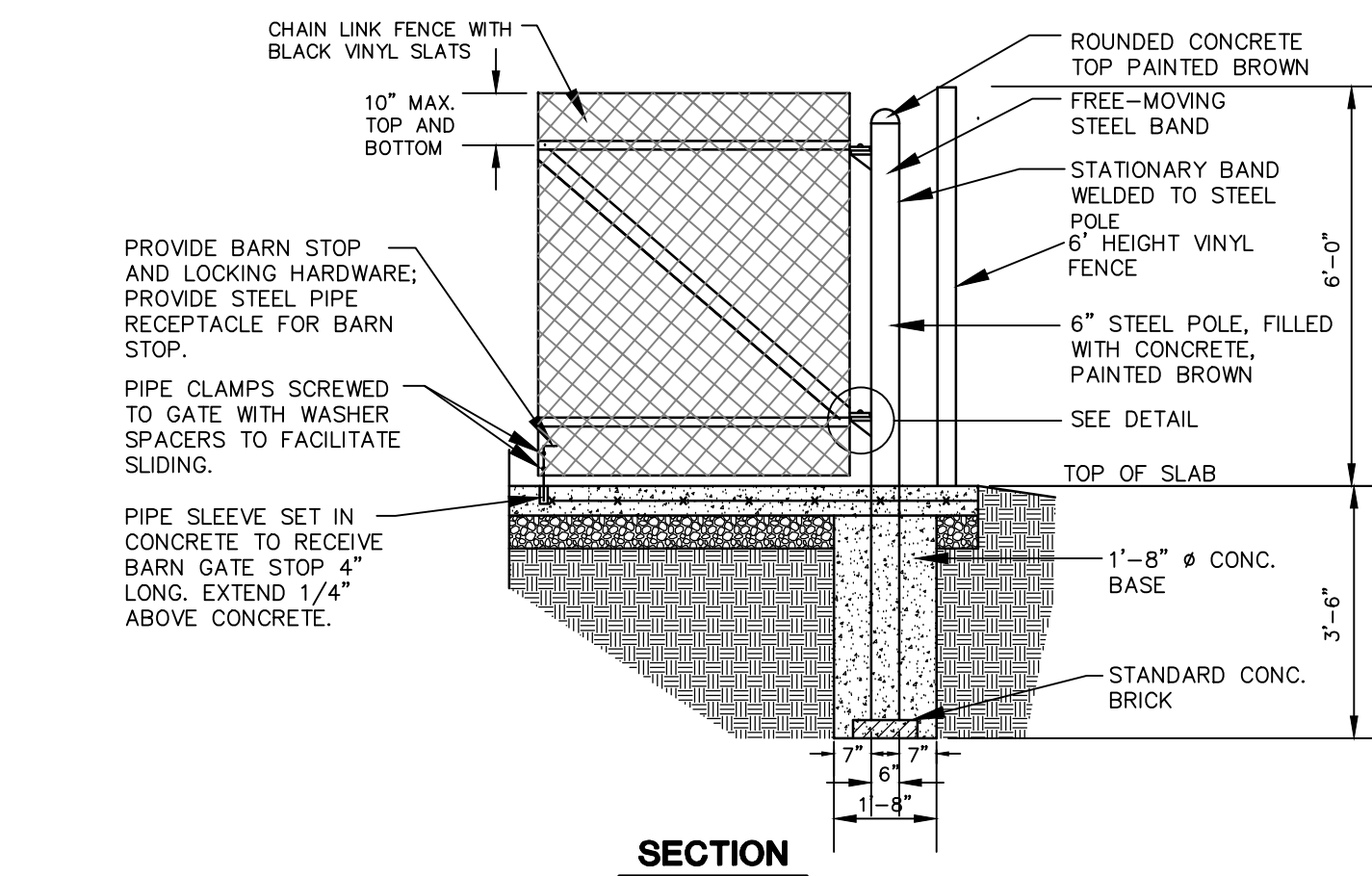
**6" CONCRETE FILLED STEEL BOLLARD**  
N.T.S. BLSE-005



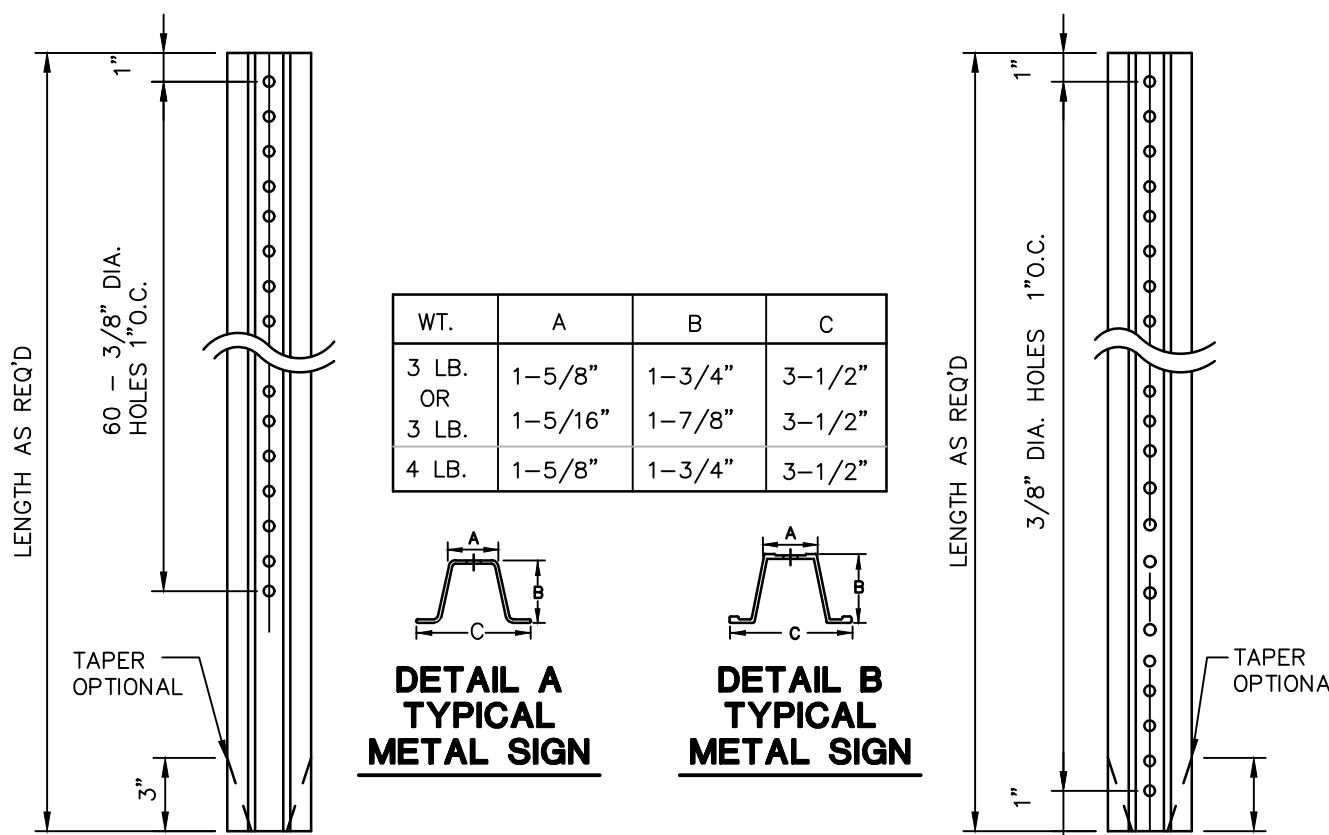
**INVERTED 'U' BICYCLE RACK**  
N.T.S.



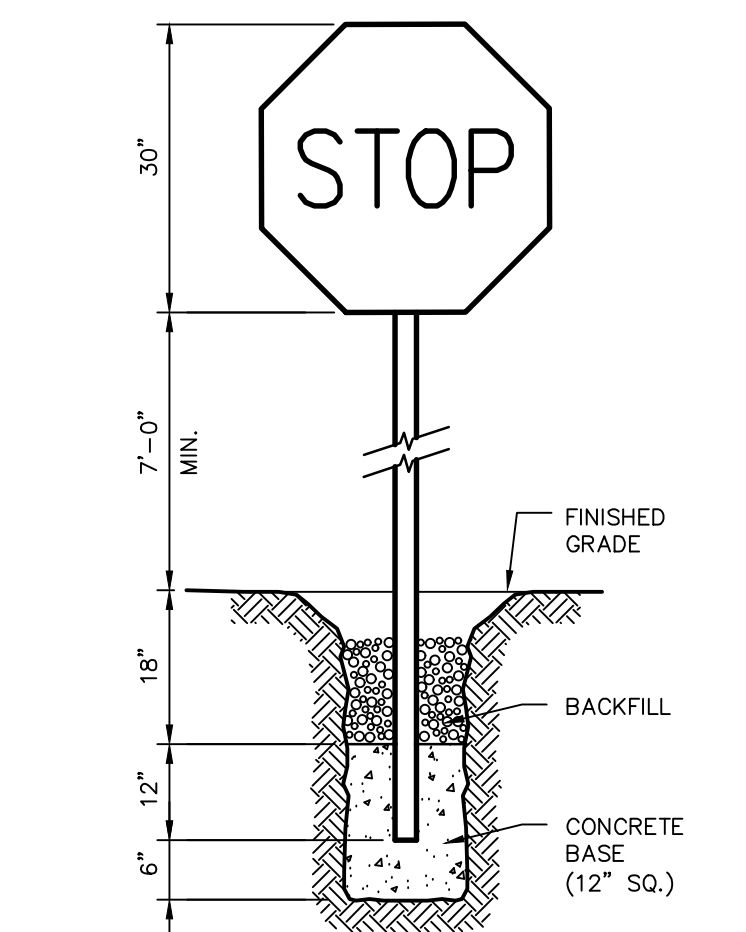
**HANDICAP SIGN BOLLARD DETAIL**  
N.T.S.



**TRASH ENCLOSURE CHAIN LINK FENCE GATE**  
N.T.S. BLFD-001

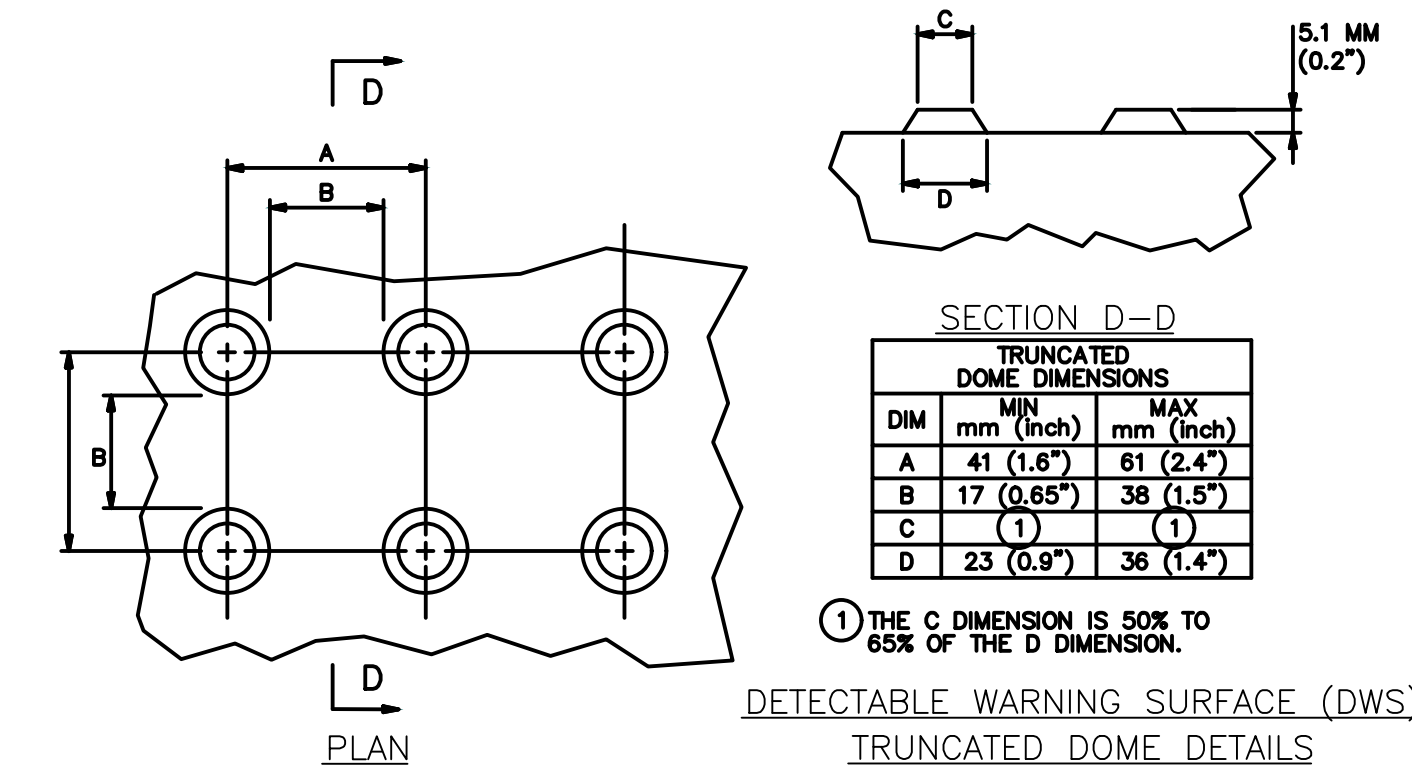


**TYPICAL METAL SIGN POSTS**  
N.T.S. BLSO-001



NOTE: CONSTRUCT SIGN IN ACCORDANCE WITH DOT SPECIFICATIONS.

**STOP SIGN**  
N.T.S. BLSO-002

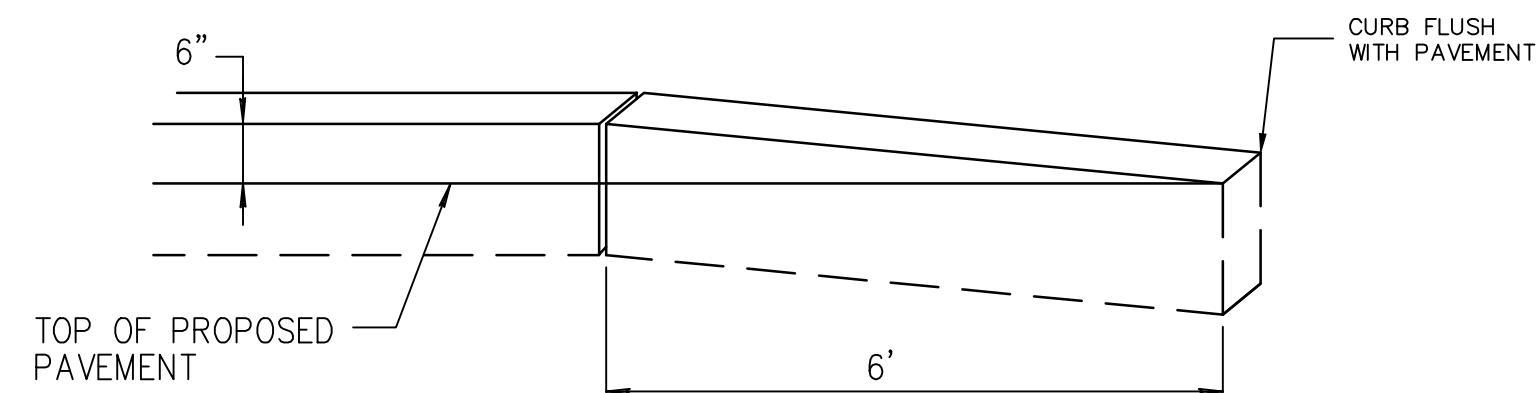


1. ALIGN DETECTABLE WARNING DOMES ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF TRAVEL TO PERMIT WHEELS TO ROLL BETWEEN THE DOMES.  
2. PROVIDE DETECTABLE WARNING SURFACES THAT CONTRAST (70% IN LIGHT REFLECTANCE WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT OR SAFETY YELLOW.

**DETECTABLE TRUNCATED DOME DETECTABLE WARNING SURFACE (DWS) AND X-SECT.**  
N.T.S.

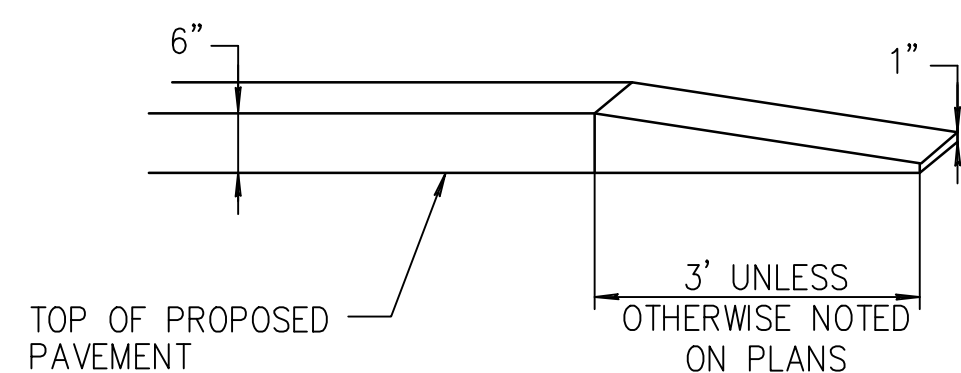
**FOR PERMITTING PURPOSES ONLY  
NOT RELEASED FOR CONSTRUCTION**





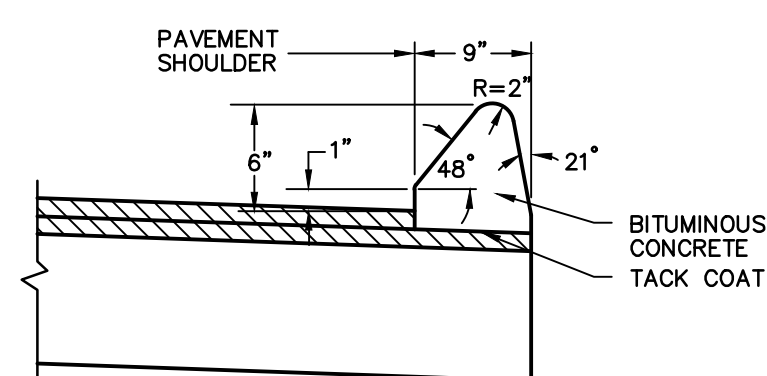
**6' CONCRETE TRANSITION CURB**

N.T.S.



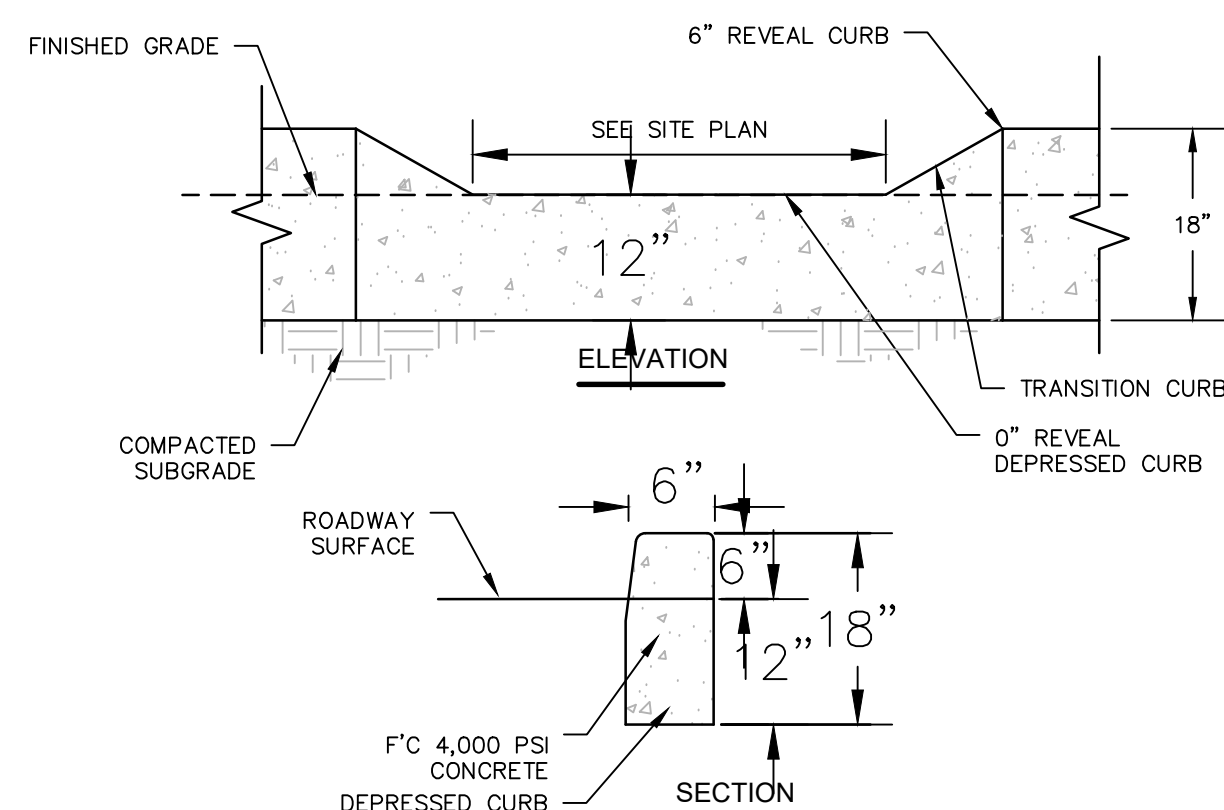
**3' BITUMINOUS CONCRETE TRANSITION CURB**

N.T.S.



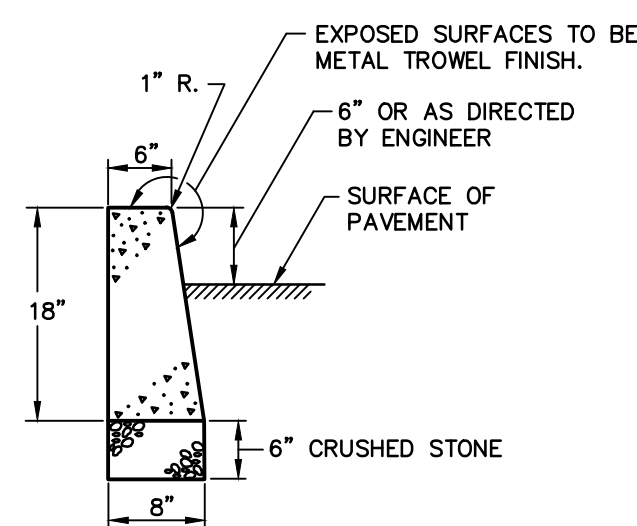
**BITUMINOUS CONCRETE LIP CURBING**

N.T.S.



**6" REVEAL DEPRESSED/ CONCRETE CURB**

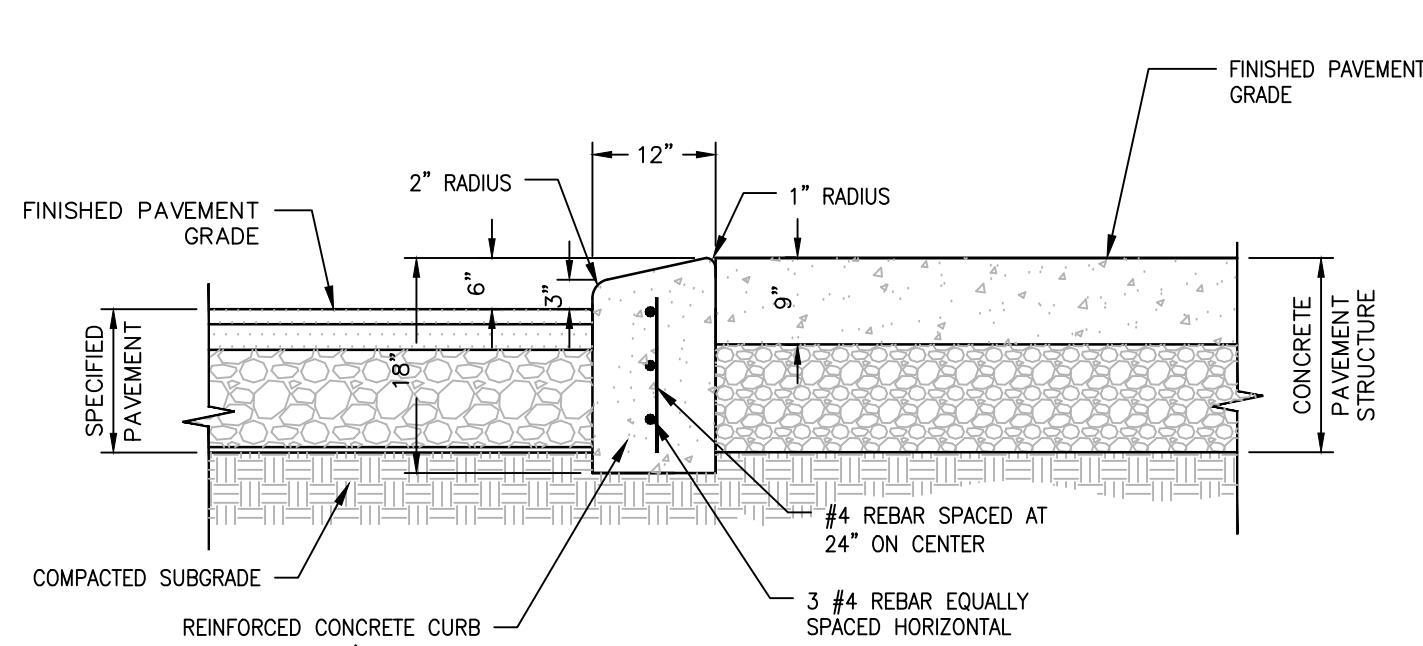
N.T.S.



**CONCRETE CURB DETAIL**

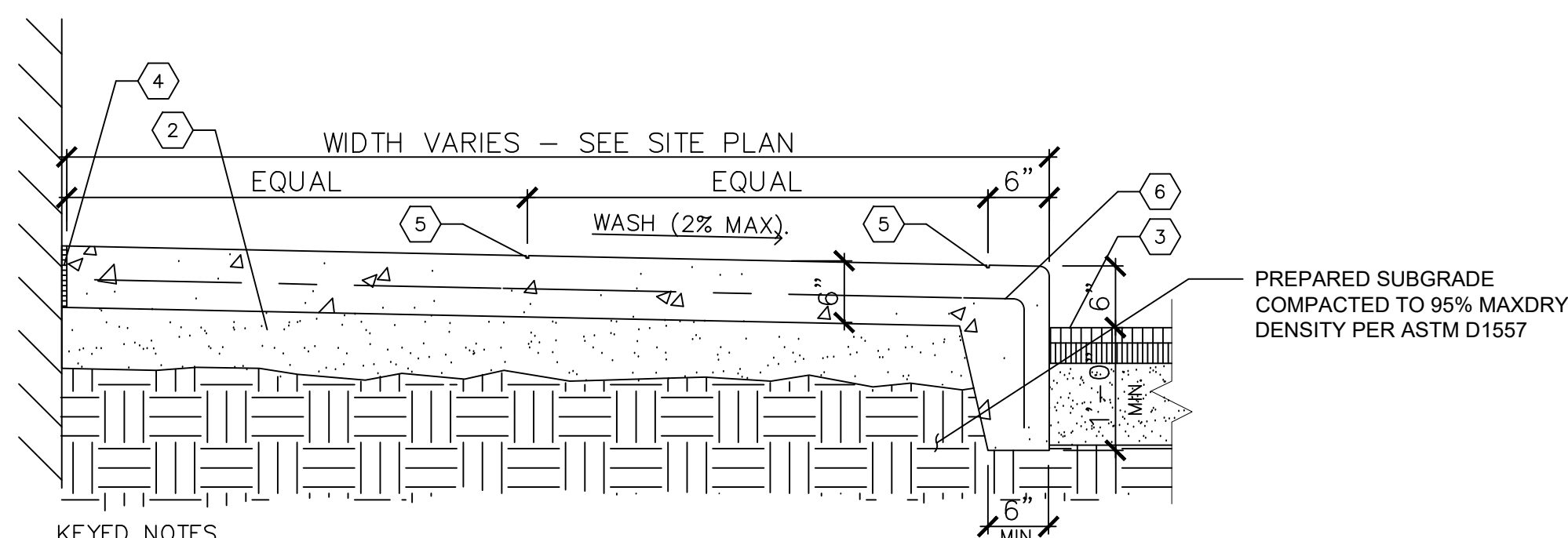
N.T.S.

ZPC-014



**MOUNTABLE CONCRETE CURB**

N.T.S.



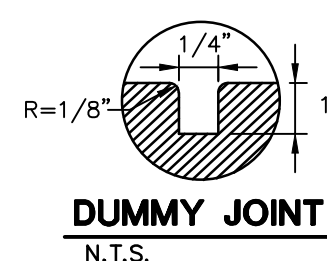
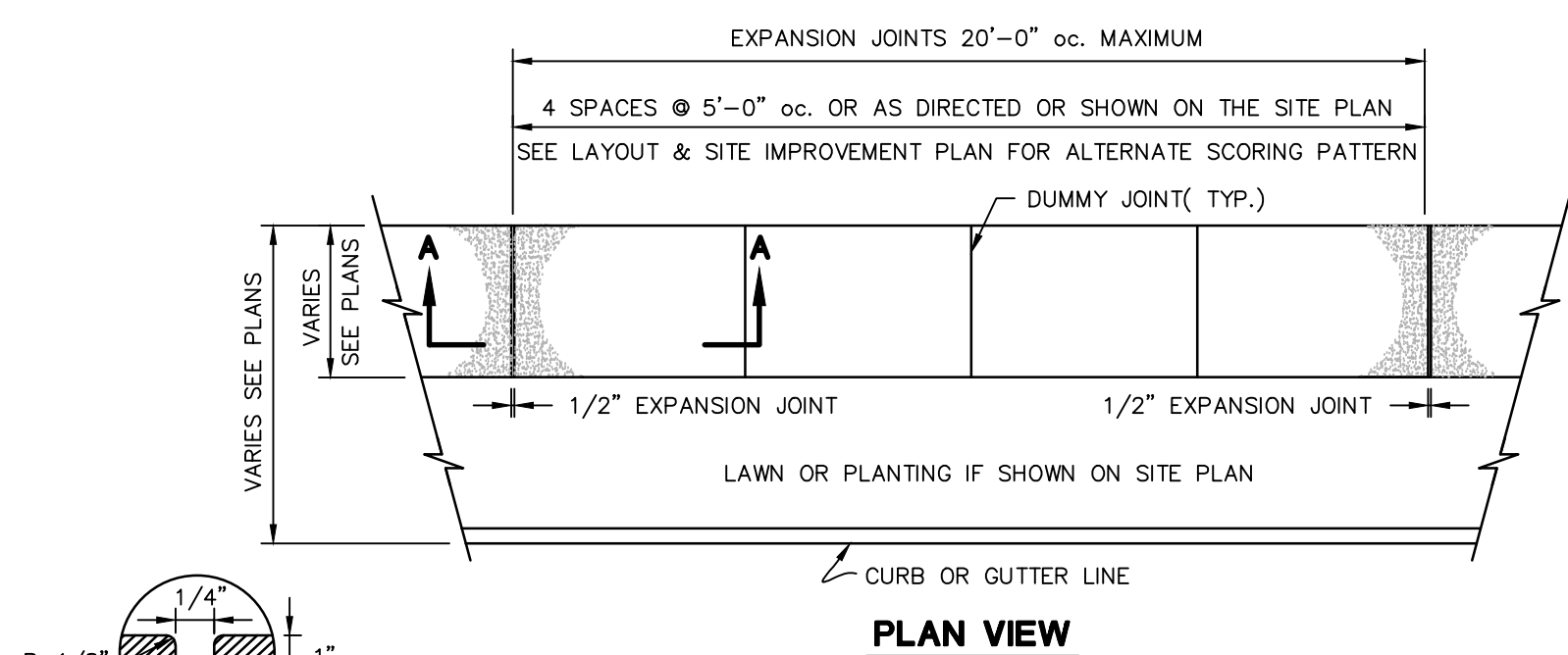
**KEYED NOTES**

- 1) N/A
- 2) 6" PROCESSED AGGREGATE BASE COURSE, CTDOT M.05.01
- 3) PAVEMENT.
- 4) COMPRESSIBLE FILLER (3/4" MAXIMUM), CUT BACK AND PROVIDE SEALANT, TYPICAL, AT ALL JOINTS WITH FILLER.
- 5) 1/4" TOOLED JOINT 20' O.C. MAXIMUM. 1/4" TOOL JOINT 5' O.C. OR AS DIRECTED. CONCRETE TO BE 4,000 P.S.I.
- 6) 6" X 6" W2.1 X 2.1 W.W.F.

**MONOLITHIC CONCRETE CURB AND SIDEWALK DETAIL**

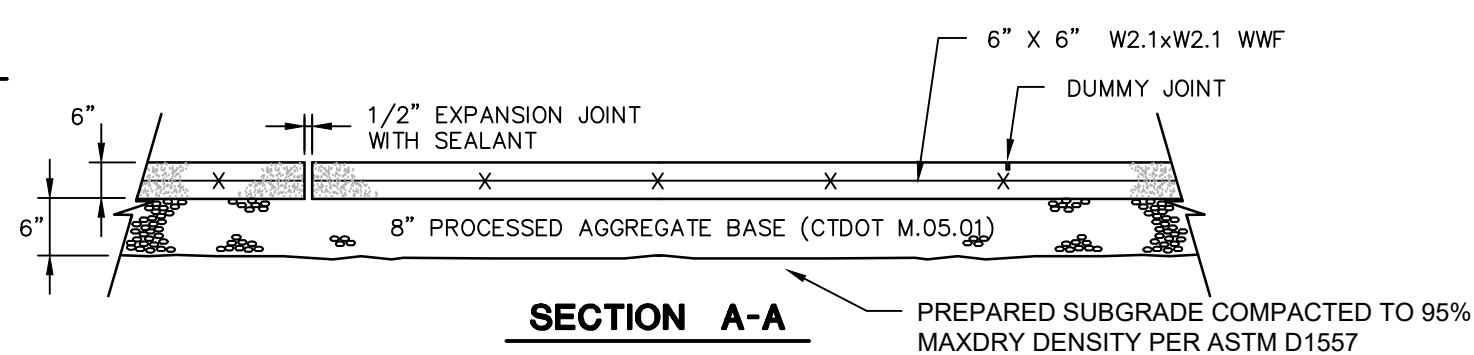
N.T.S.

WAG



**DUMMY JOINT**

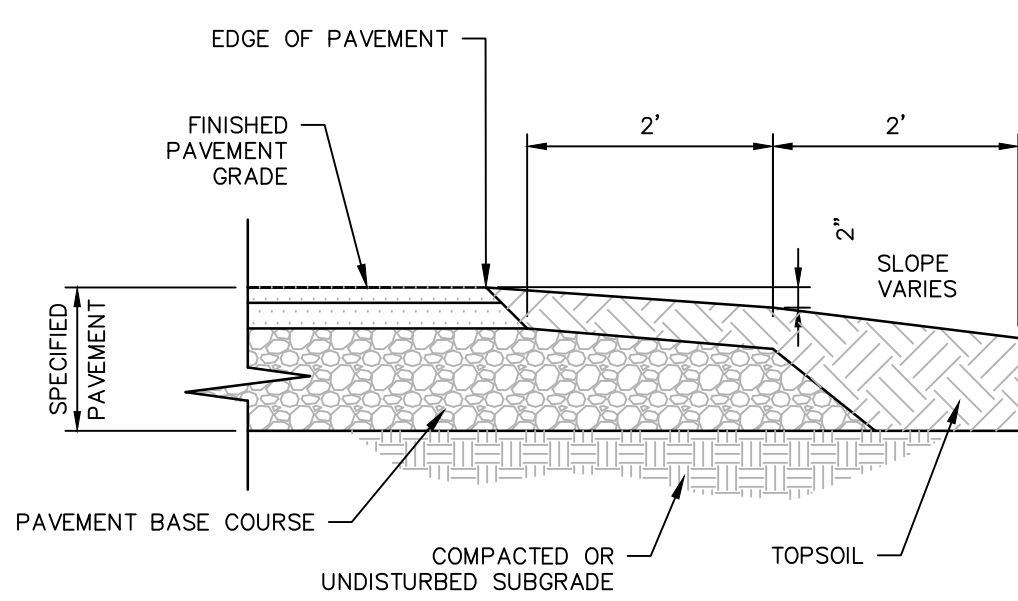
N.T.S.



**CONCRETE SIDEWALK DETAIL**

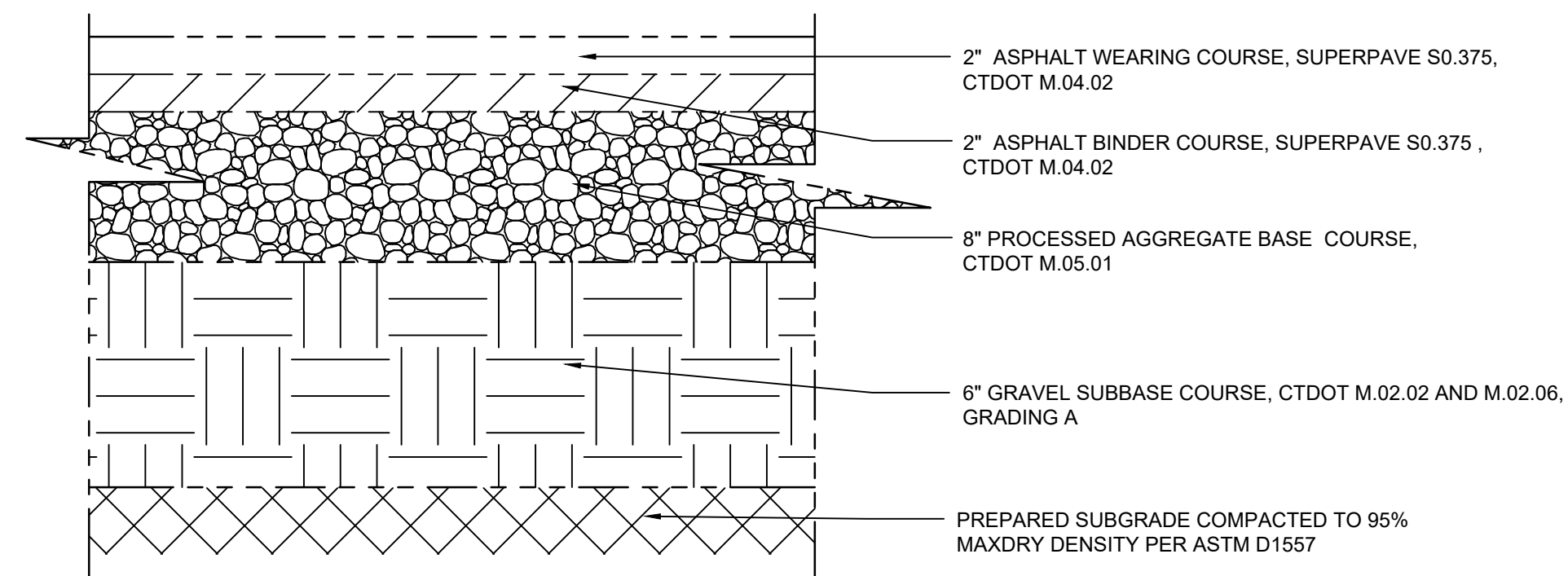
N.T.S.

BLSR-001



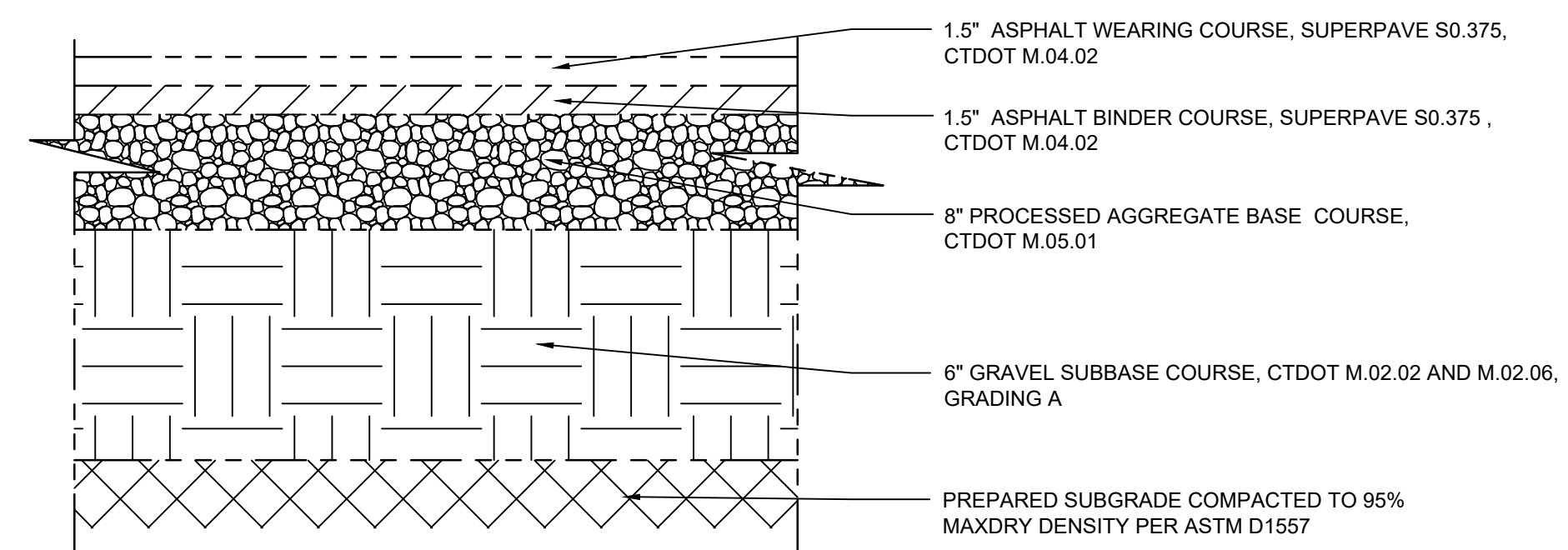
**PAVEMENT END SECTION DETAIL**

N.T.S.



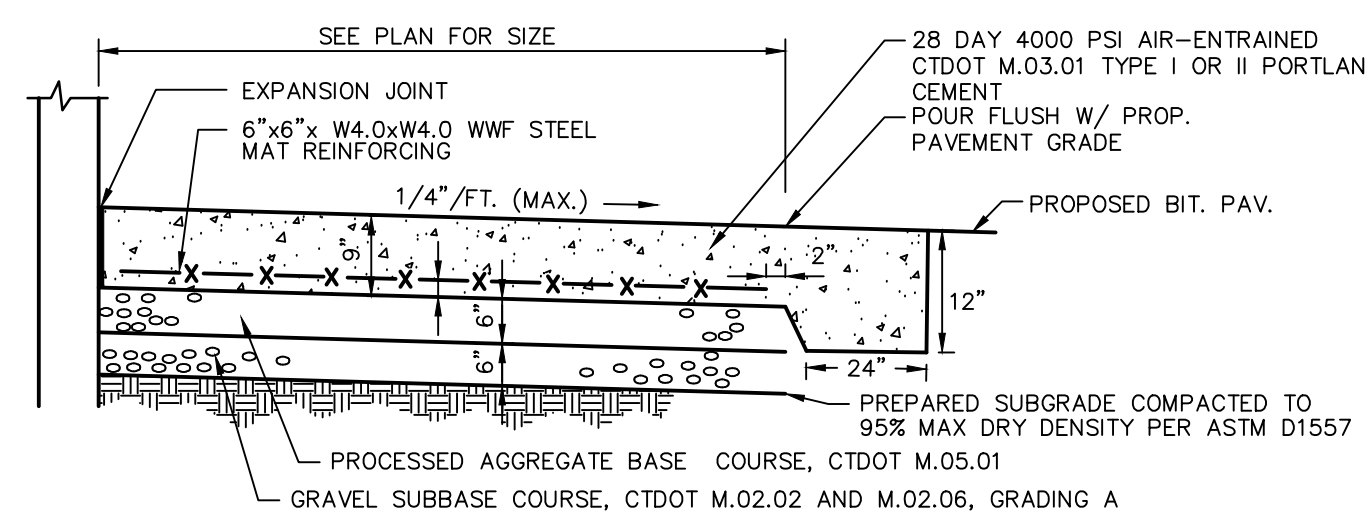
**HEAVY DUTY BITUMINOUS CONCRETE PAVEMENT STRUCTURE DETAIL**

N.T.S.



**STANDARD DUTY BITUMINOUS CONCRETE PAVEMENT STRUCTURE DETAIL**

N.T.S.

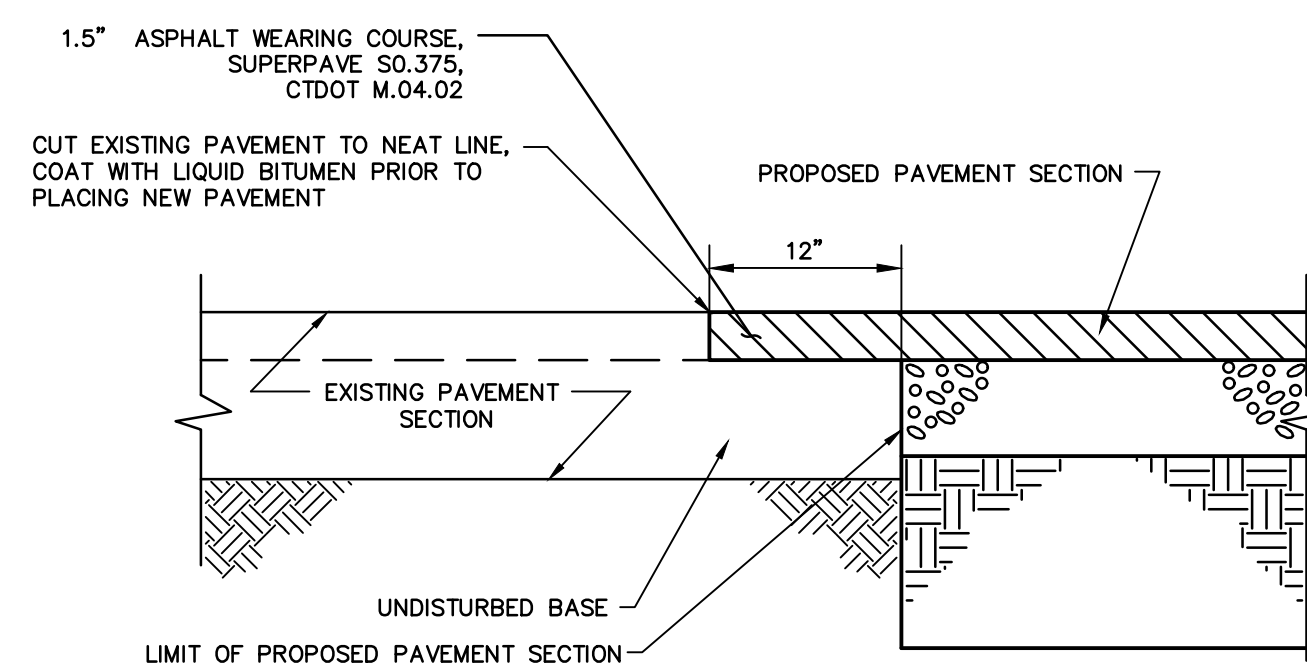


**SECTION VIEW**

**CONCRETE TRASH ENCLOSURE DUMPSTER PAD AND CONCRETE PAVEMENT**

N.T.S.

BLPC-002



**EDGE OF PAVEMENT DETAIL**

N.T.S.

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**BOLTON PLANNING AND ZONING COMMISSION, BOLTON, CT**

DATE APPROVED \_\_\_\_\_ DATE OF EXPIRATION \_\_\_\_\_

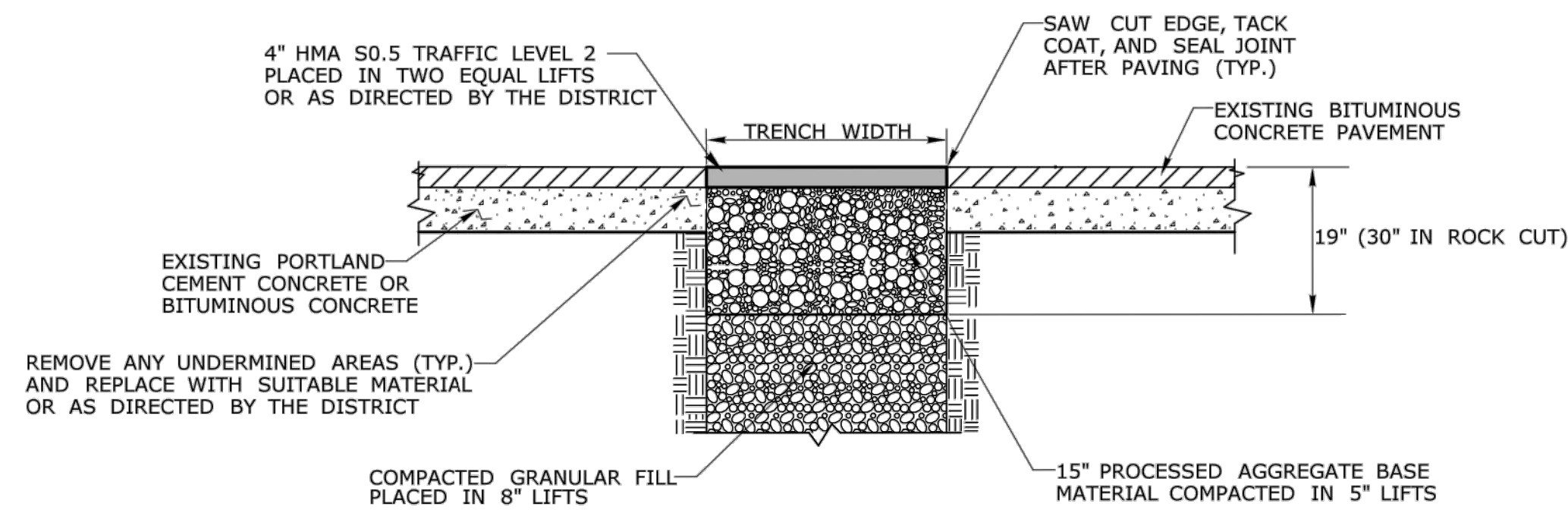
CHAIRMAN \_\_\_\_\_

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

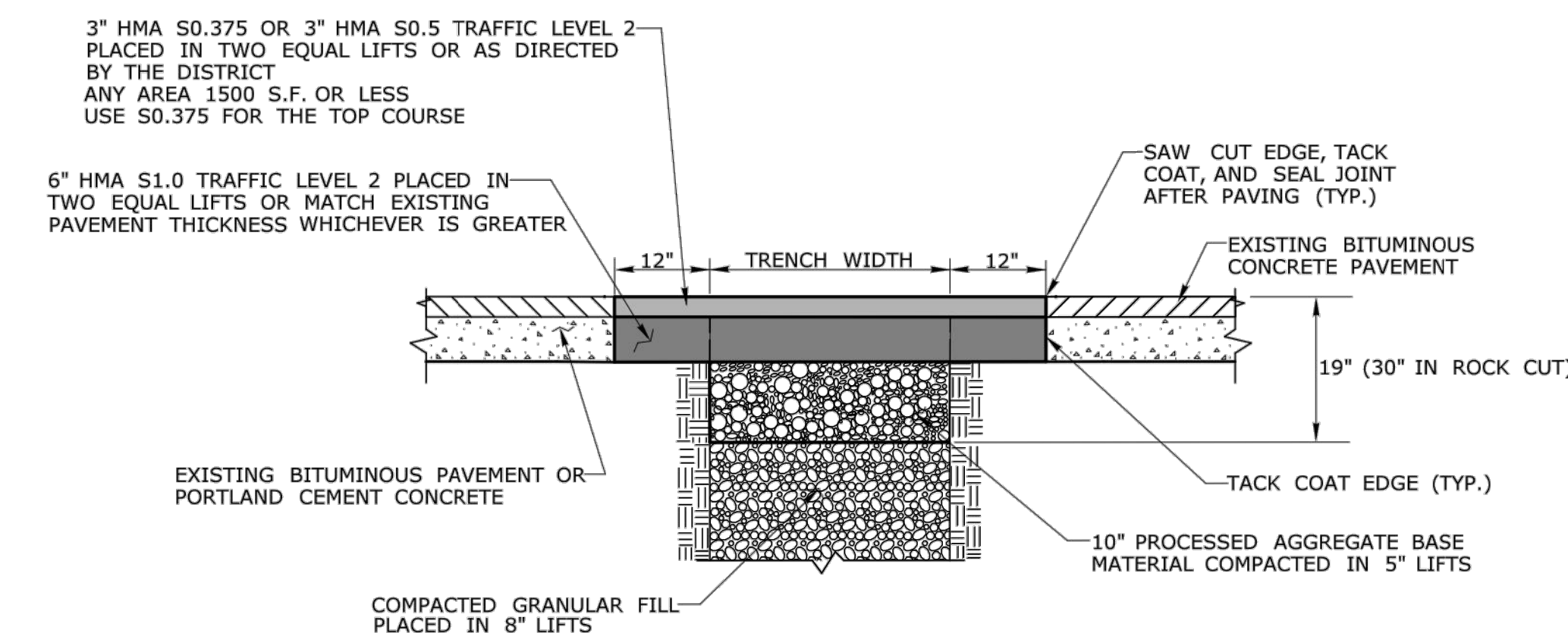
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REVISIONS	No.	Date	Desc.
Designed	S.E.L.		
Drawn	S.E.L.		
Reviewed			
Scale	NONE		
Project No.	2002032		
Date	04/02/2021		
CAD File:	DN200203201		
Title	<b>DETAILS SHEET</b>		
Sheet No.	<b>DN-5</b>		

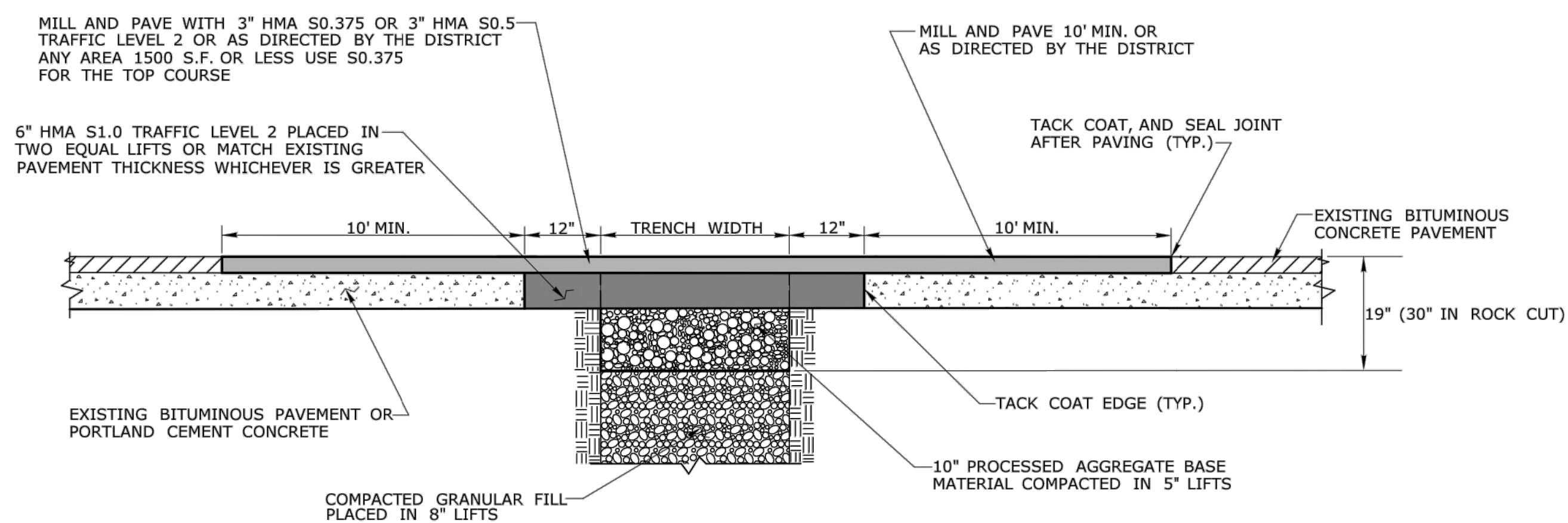




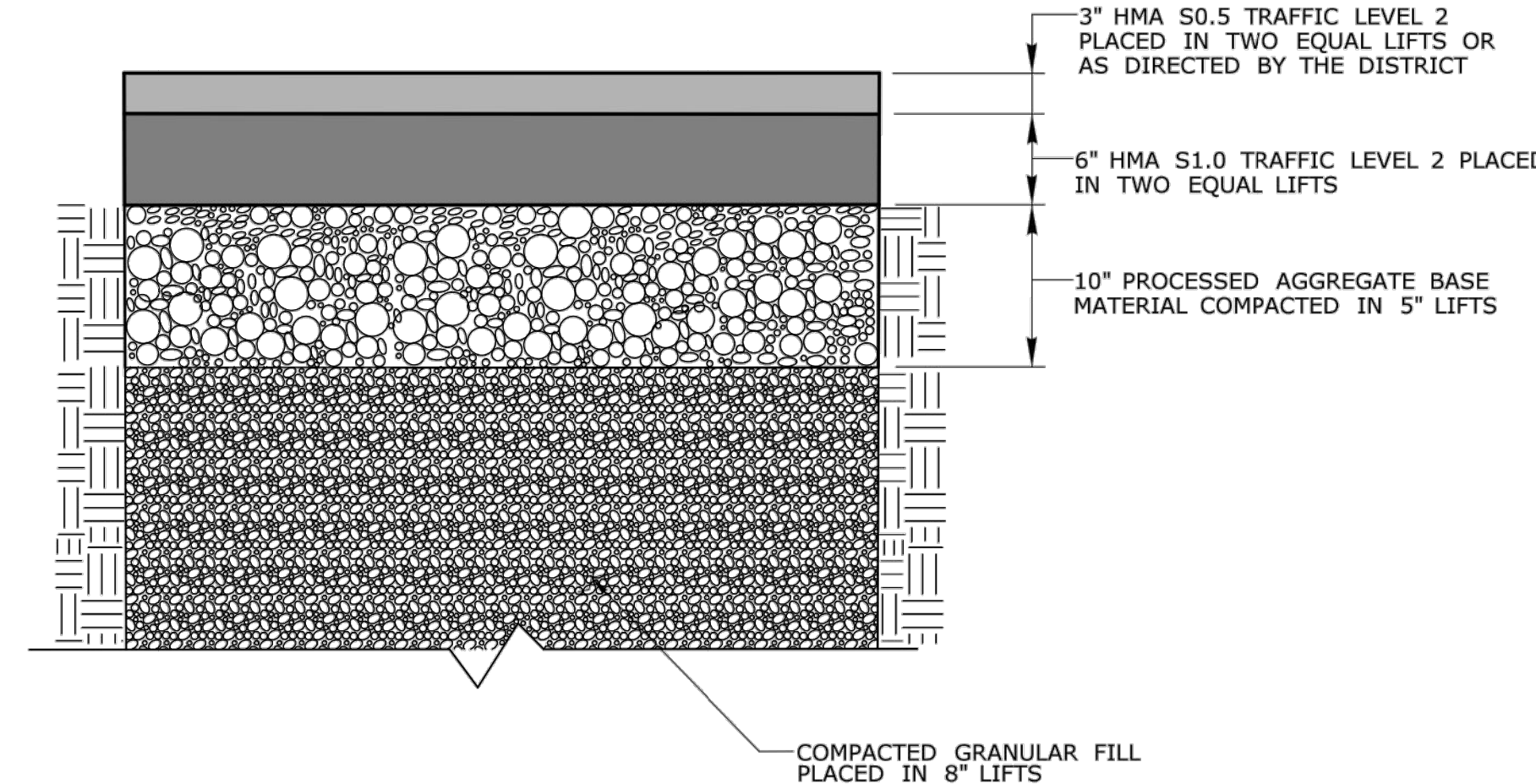
**TEMPORARY PAVEMENT REPAIR FOR TRENCH THROUGH OVERLAID PORTLAND CEMENT CONCRETE OR BITUMINOUS CONCRETE PAVEMENT**



**PERMANENT PAVEMENT REPAIR WITHOUT MILLING - THROUGH PORTLAND CEMENT CONCRETE OR BITUMINOUS CONCRETE PAVEMENT**



**PERMANENT PAVEMENT REPAIR WITH MILLING**



**ROADWAY PROFILE**

**GENERAL NOTES:**

**1. LONGITUDINAL TRENCHING FOR JOINTED CONCRETE PAVEMENT:**

A. IF THE LONGITUDINAL TRENCH FALLS BETWEEN THE SLAB CENTERLINE AND THE EDGE OF SLAB, REMOVE CONCRETE AND BITUMINOUS CONCRETE PAVEMENT FROM THE TRENCH EDGE TO THE EDGE OF ROAD. IF THE LONGITUDINAL TRENCH FALLS BETWEEN THE LONGITUDINAL JOINT AND THE SLAB CENTERLINE, REMOVE THE ENTIRE CONCRETE SLAB AND BITUMINOUS CONCRETE PAVEMENT TO THE EDGE OF ROAD. IN EITHER CASE REBUILD WITH THE FOLLOWING:

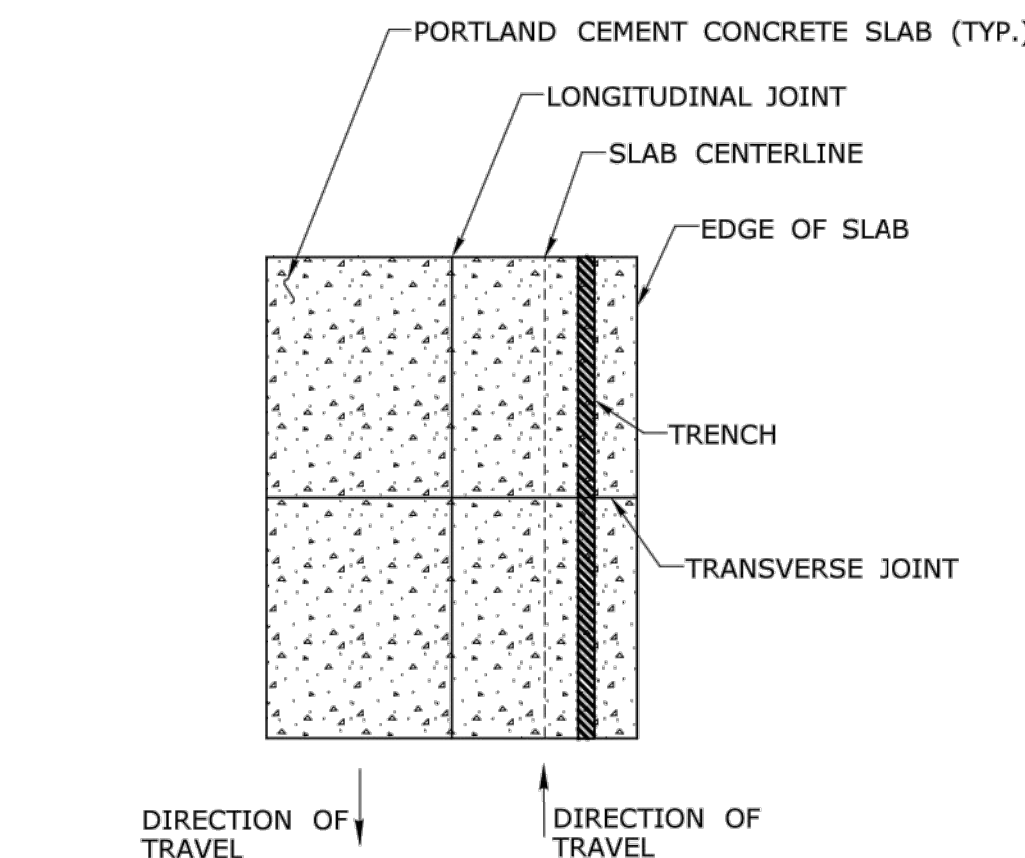
- a. PLACE HMA S1.0 TRAFFIC LEVEL 2 IN TWO EQUAL 4" - 5" LIFTS TO MATCH EXISTING CONCRETE PAVEMENT THICKNESS
- b. PLACE HMA S0.5 TRAFFIC LEVEL 2 IN 2" - 3" LIFTS TO MATCH EXISTING BITUMINOUS CONCRETE PAVEMENT THICKNESS, WITH THE FINAL LIFT BEING 2"

**2. TRANSVERSE TRENCHING FOR JOINTED CONCRETE PAVEMENT:**

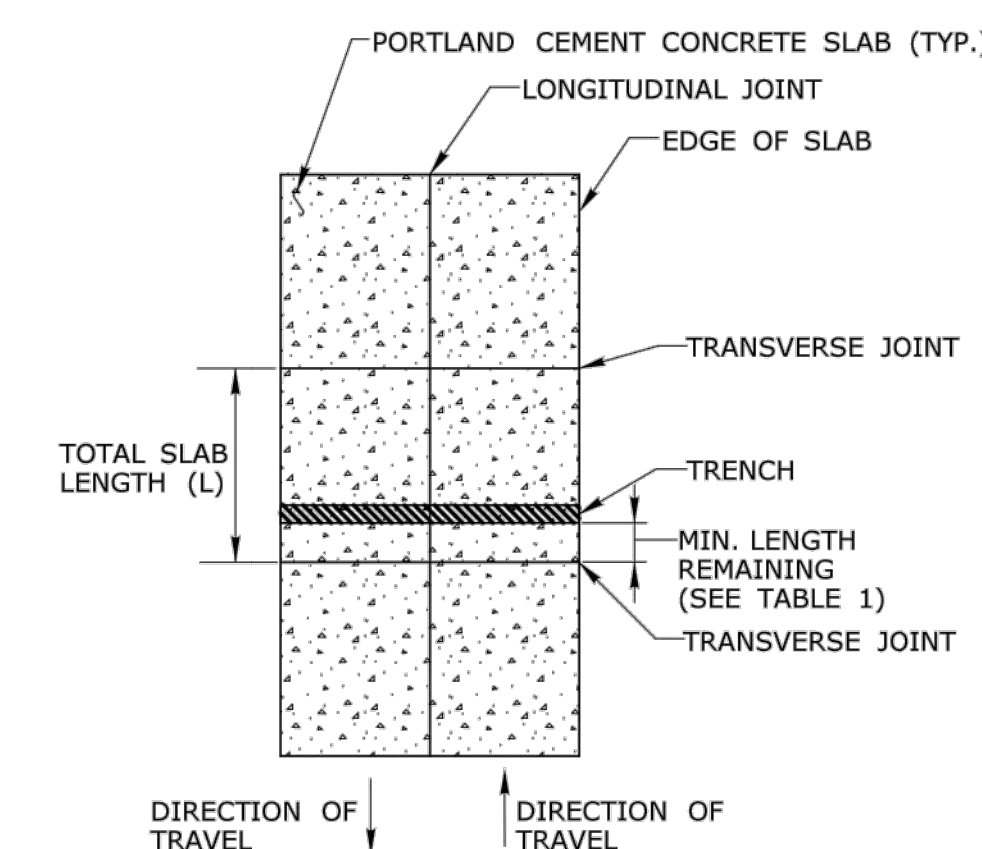
TABLE 1	
TOTAL SLAB LENGTH (L)	MIN. LENGTH REMAINING
40' OR LONGER	1/4 L
15' - 40'	10'
15' OR SHORTER	REBUILD TO NEAREST JOINT

A. FOR TRANSVERSE TRENCHES, THE MINIMUM SLAB LENGTH AS SHOWN IN TABLE 1 SHALL BE LEFT IN PLACE TO THE NEAREST TRANSVERSE JOINT. IF THIS CRITERIA CANNOT BE MET, THE EXISTING SLAB AREA FROM THE TRENCH EDGE TO THE NEAREST TRANSVERSE JOINT SHALL BE REMOVED AND REBUILT AS FOLLOWS:

- a. PLACE HMA S1.0 TRAFFIC LEVEL 2 IN TWO EQUAL 4" - 5" LIFTS TO MATCH EXISTING CONCRETE PAVEMENT THICKNESS
- b. PLACE HMA S0.5 TRAFFIC LEVEL 2 IN 2" - 3" LIFTS TO MATCH EXISTING BITUMINOUS CONCRETE PAVEMENT THICKNESS, WITH THE FINAL LIFT BEING 2"



**LONGITUDINAL TRENCHING FOR JOINTED CONCRETE PAVEMENT (SEE NOTE 1)**



**TRANSVERSE TRENCHING FOR JOINTED CONCRETE PAVEMENT (SEE NOTE 2)**

DRAFTER: <b>MS</b> CHECKED BY: <b>EL</b> NO SCALE	<b>HIGHWAY OPERATIONS</b>	<b>OFFICE OF MAINTENANCE OPERATIONS SPECIAL SERVICES AND PLANNING</b>	 <b>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</b>	DRAWING TITLE: <b>ENCROACHMENT PERMIT - PAVEMENT REPAIR</b>
---	---------------------------	---	--	--

**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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NOT RELEASED FOR CONSTRUCTION**



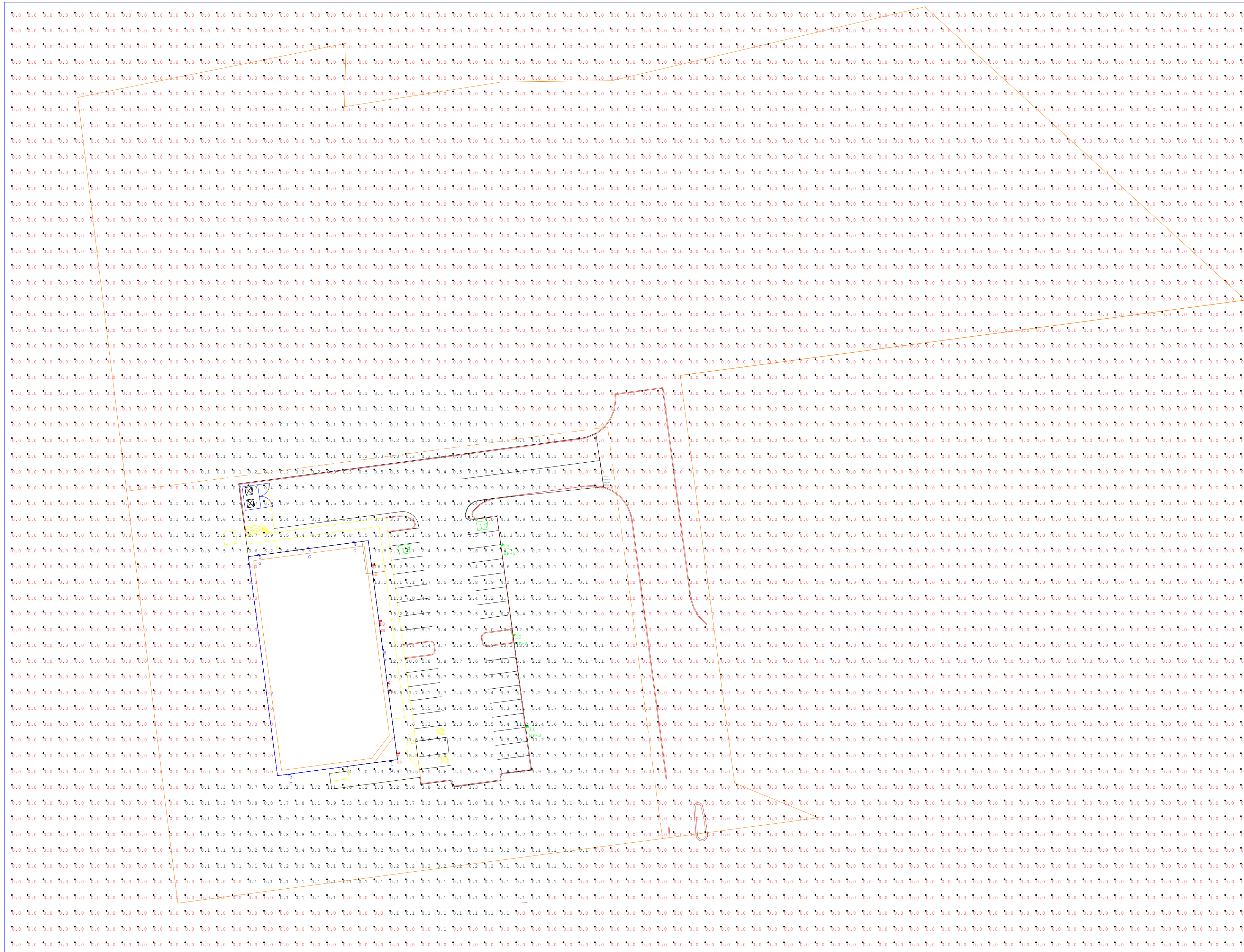
REVISIONS	No.	Date	Desc.

Designed: S.E.L.  
 Drawn: S.E.L.  
 Reviewed: S.E.L.  
 Scale: NONE  
 Project No.: 2002032  
 Date: 04/02/2021  
 CAD File: DN200203201

Title: **DETAILS SHEET**

Sheet No. \_\_\_\_\_

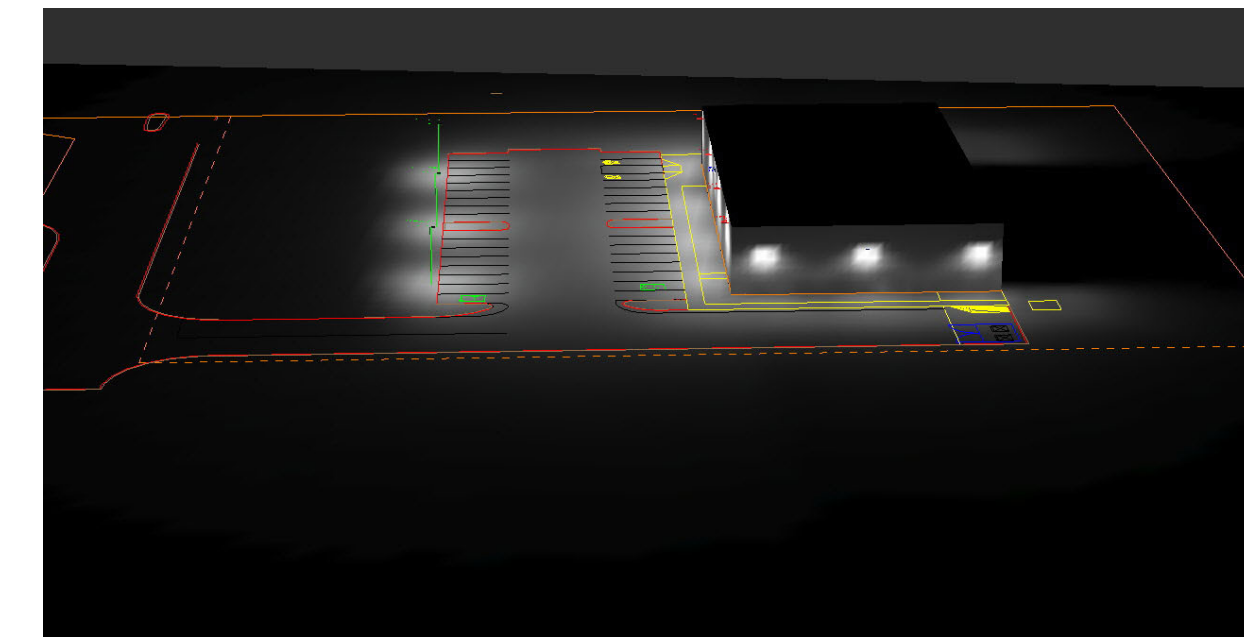
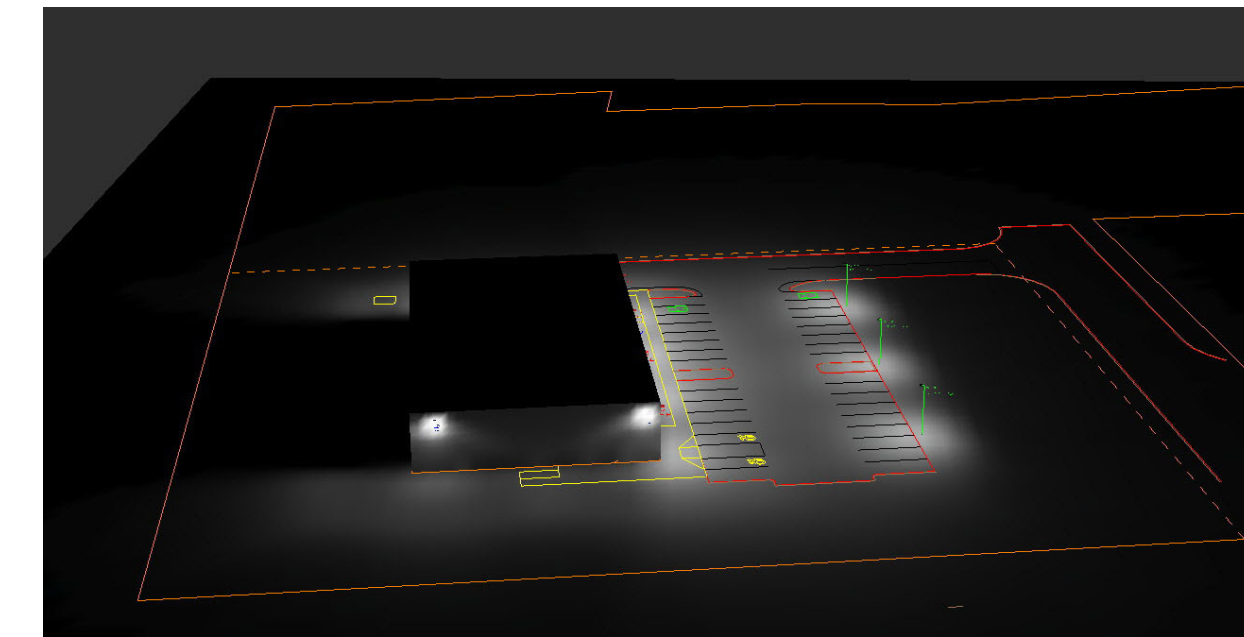
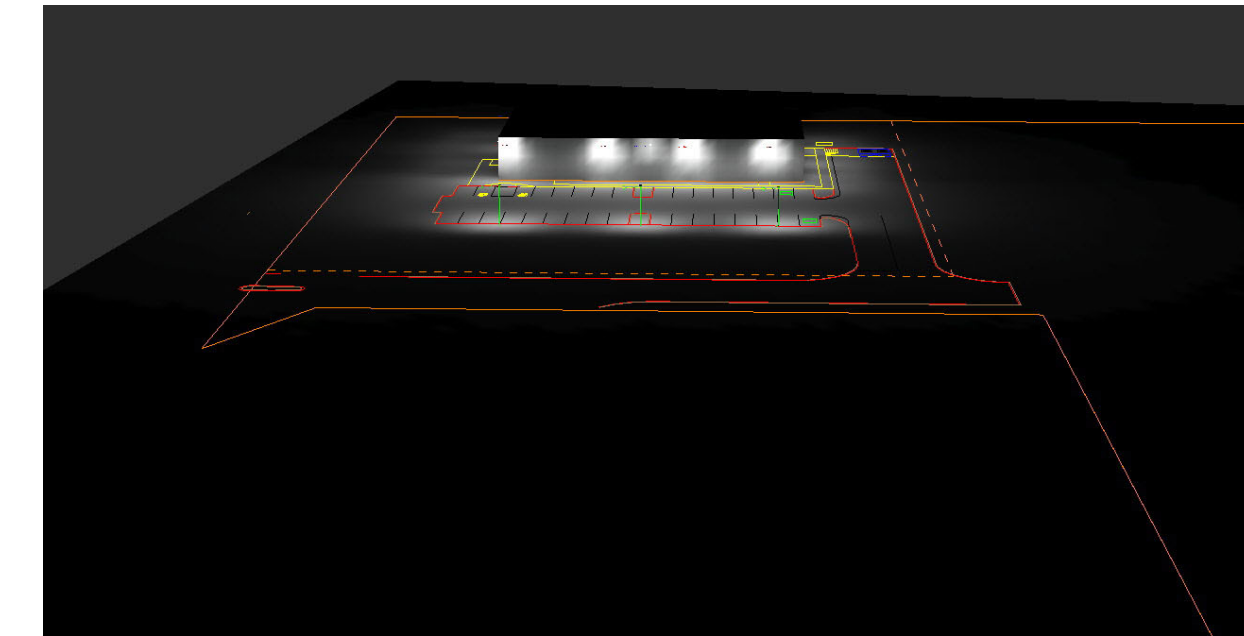
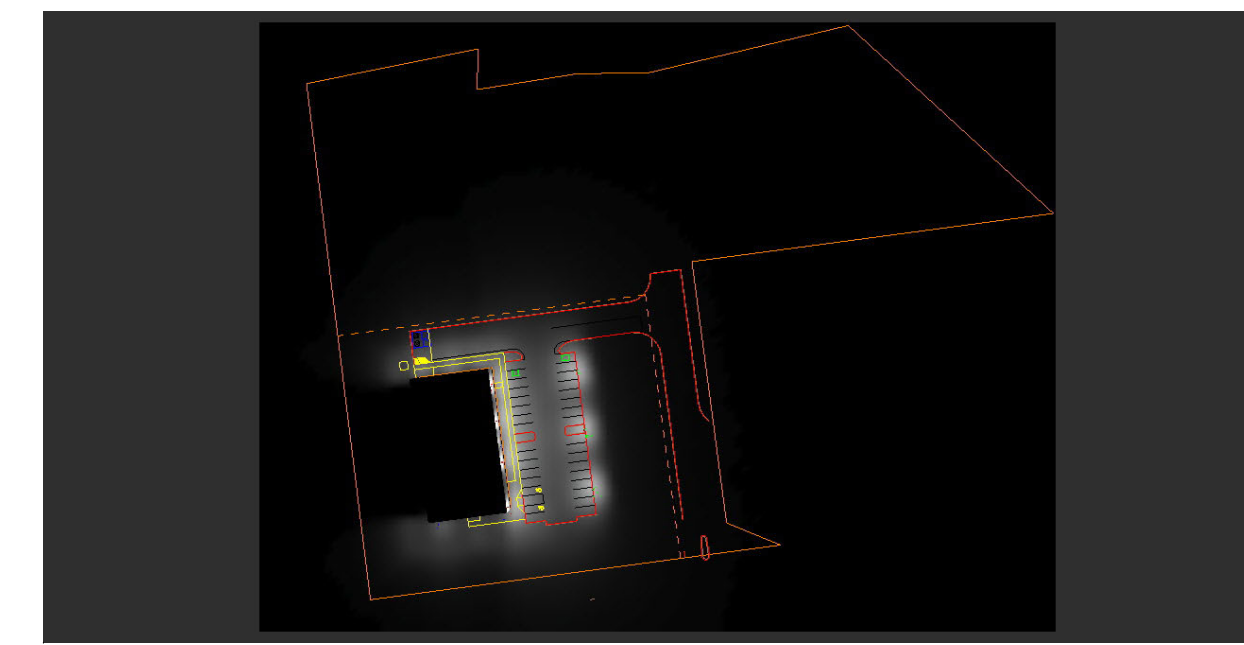




LumNo	Label	Z
1	G	16.5
2	G	16.5
3	G	12
4	G	12
5	G	12
6	HB	16.5
7	HB	16.5
8	G	16.5
9	HB	16.5
10	HB	16.5
11	HP-S	17
12	HP-S	17
13	HP-S	17

Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description
[Symbol]	3	HP-S	SINGLE	13632	0.950	LEDS-1210-S - Single Pole Mt 150w, Type 4, 5K, Shielded
[Symbol]	4	HB	SINGLE	19188	0.950	LEDS-AL120 - Wall Mt, 150w, Type 4, 5K
[Symbol]	6	G	SINGLE	4740	0.950	LEDBG42W001B-5000K - Wall Pack, 42W, Full Cutoff, 5K

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Site	Illuminance	Fc	0.24	16.9	0.0	N.A.	N.A.
Parking Lot	Illuminance	Fc	3.75	16.9	0.0	N.A.	N.A.



#	Date	Comments
Revisions		

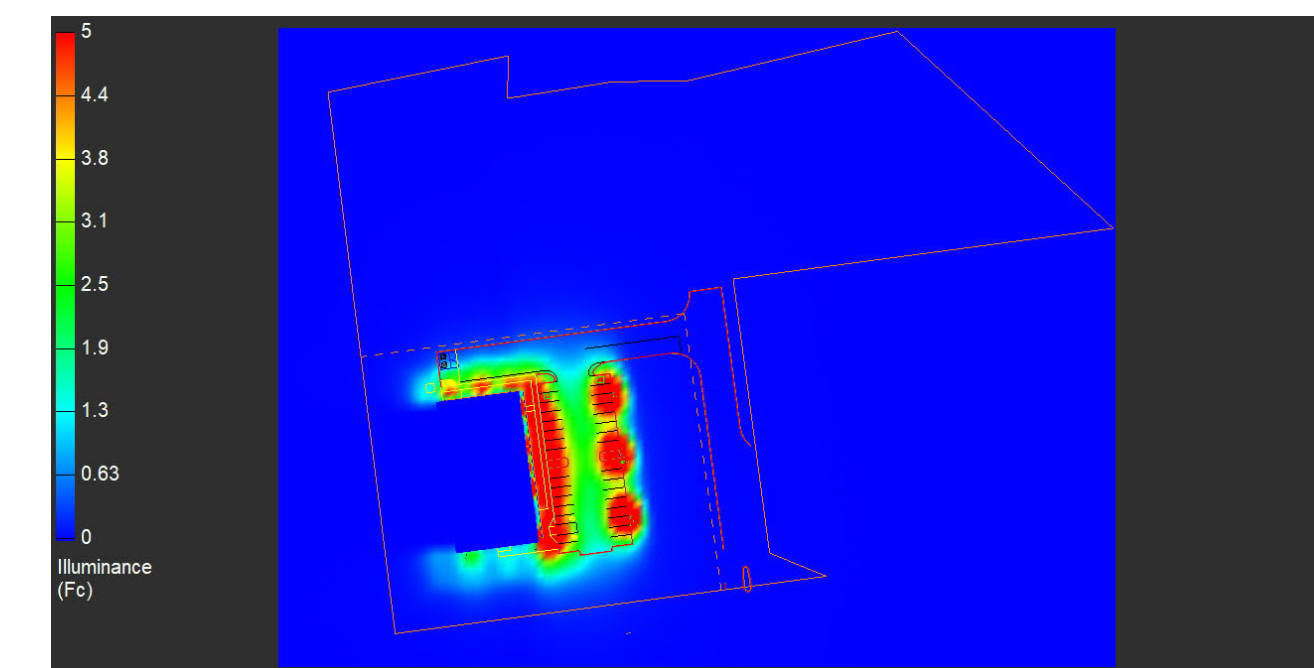
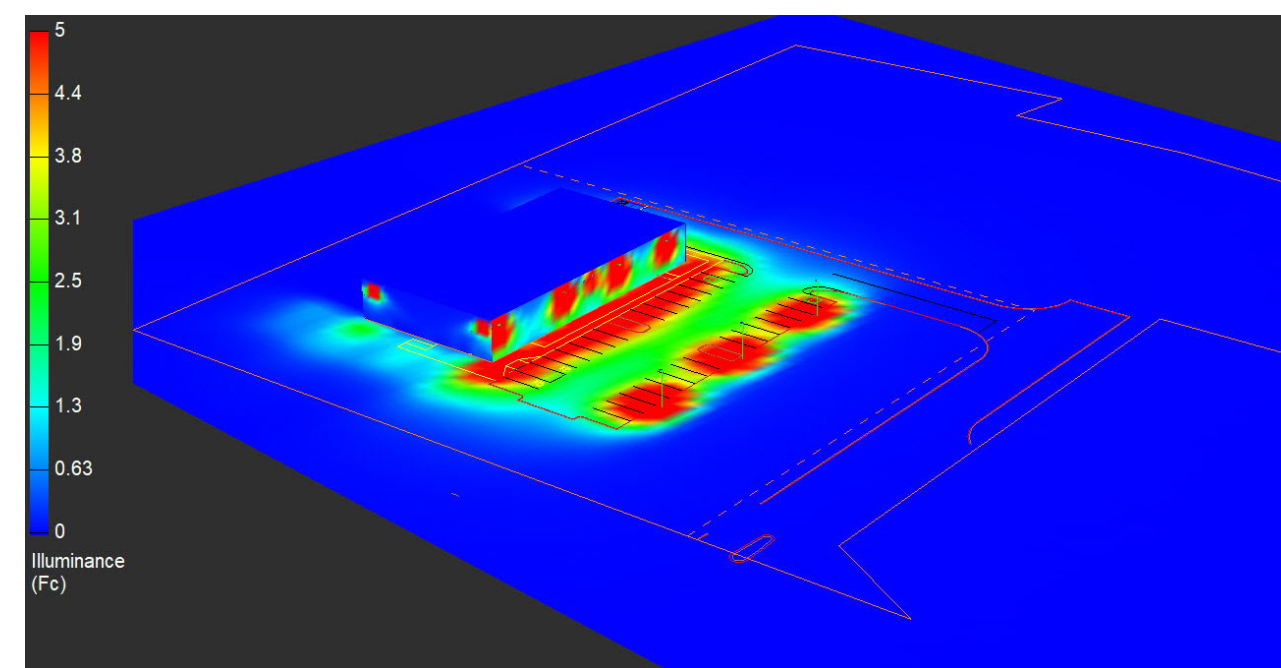
Drawn By: BMF, LC  
 Checked By:  
 Date: 3/29/2021

Scale:

Notes:

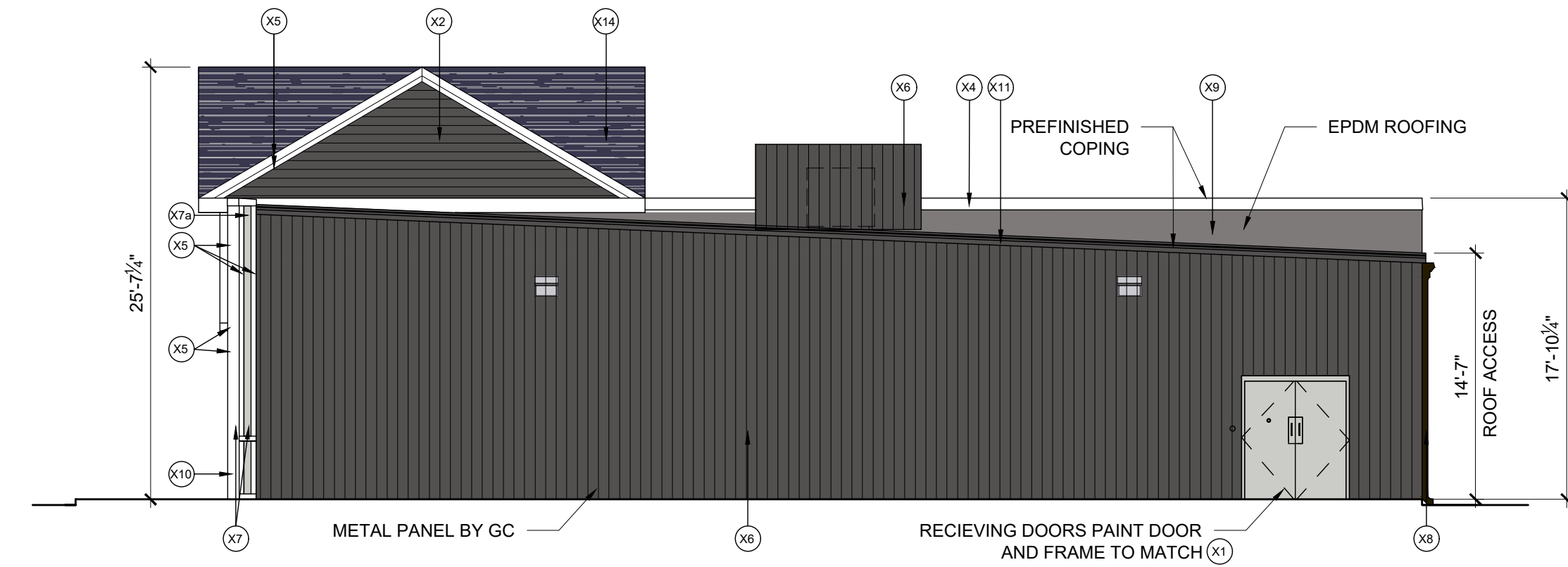
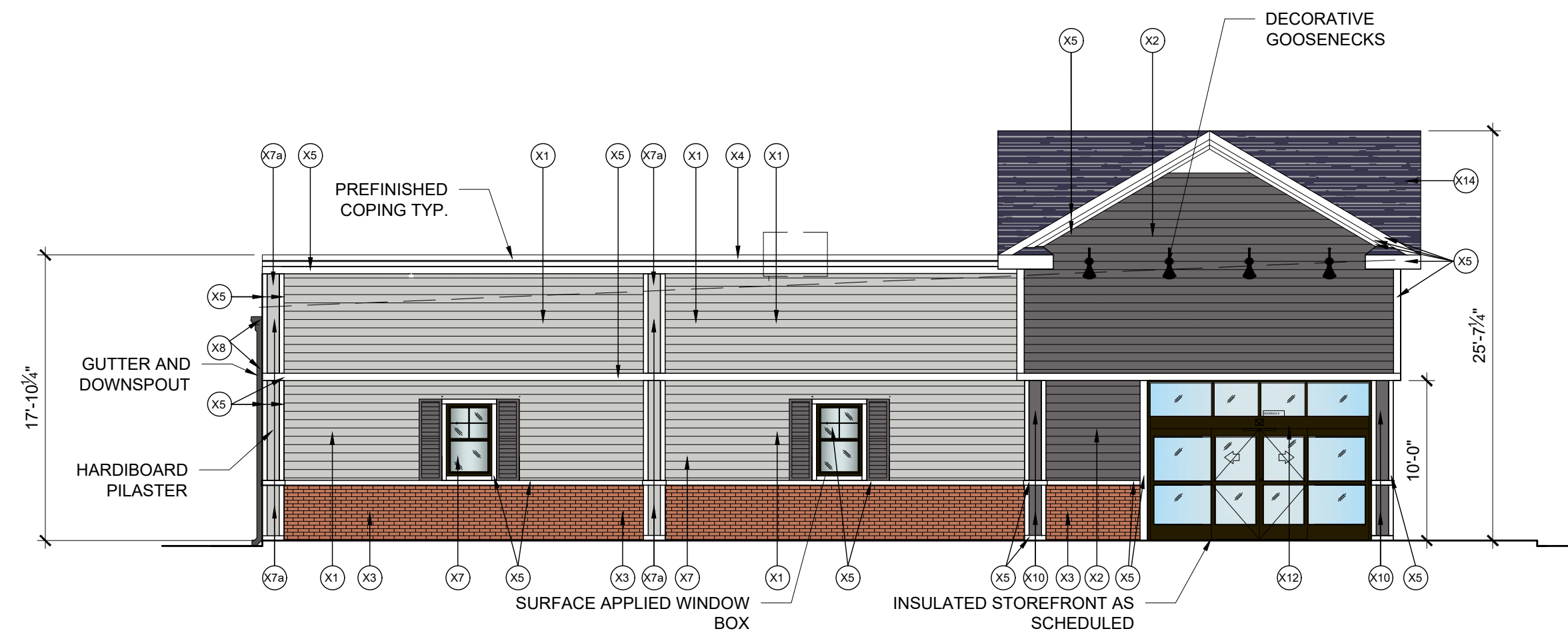
**Plan Notes:**  
 Calculations at Ground Level (10' x 10' Grid Spacing). Refer to luminaire location summary for mounting heights of each fixture. Pole mounted fixtures include a 2ft concrete base. Mounting heights indicated on luminaire location summary is a total A.F.G. height.

**General Notes:**  
 Due to changing lighting ordinances it is the contractors responsibility 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.



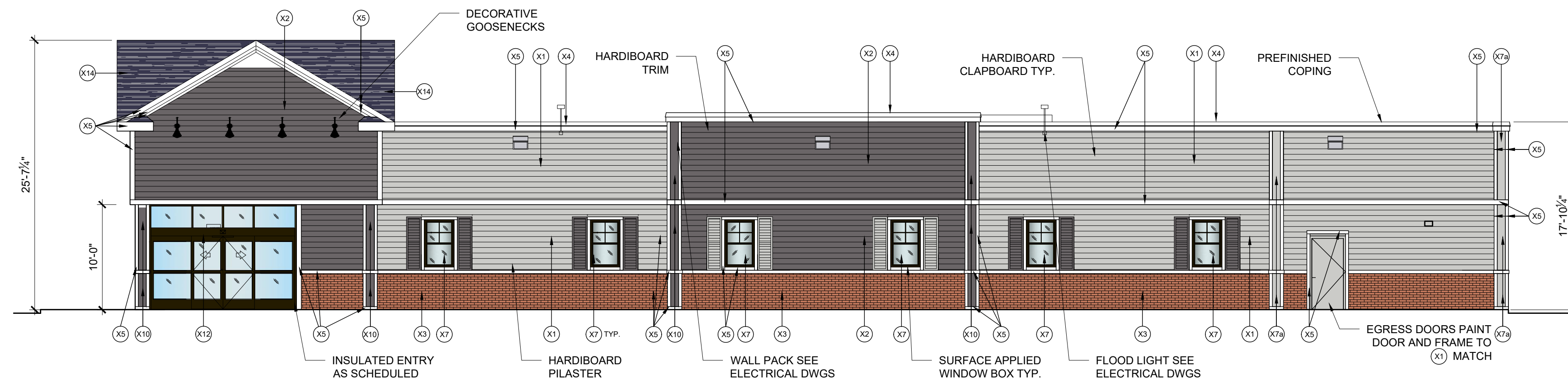
Bolton CT 23232



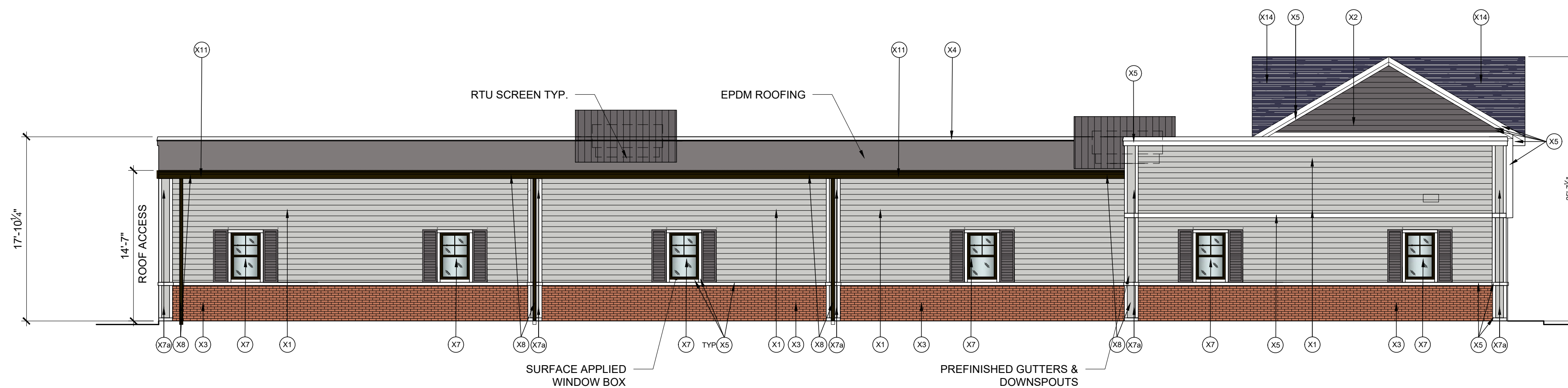


1 PROPOSED SIDE ELEVATION ( BOSTON TURNPIKE RT 44)  
SCALE: 3/16"-1'-0"

2 PROPOSED SIDE ELEVATION  
SCALE: 3/16"-1'-0"



3 PROPOSED FRONT ELEVATION  
SCALE: 3/16"-1'-0"



4 PROPOSED REAR ELEVATION  
SCALE: 3/16"-1'-0"

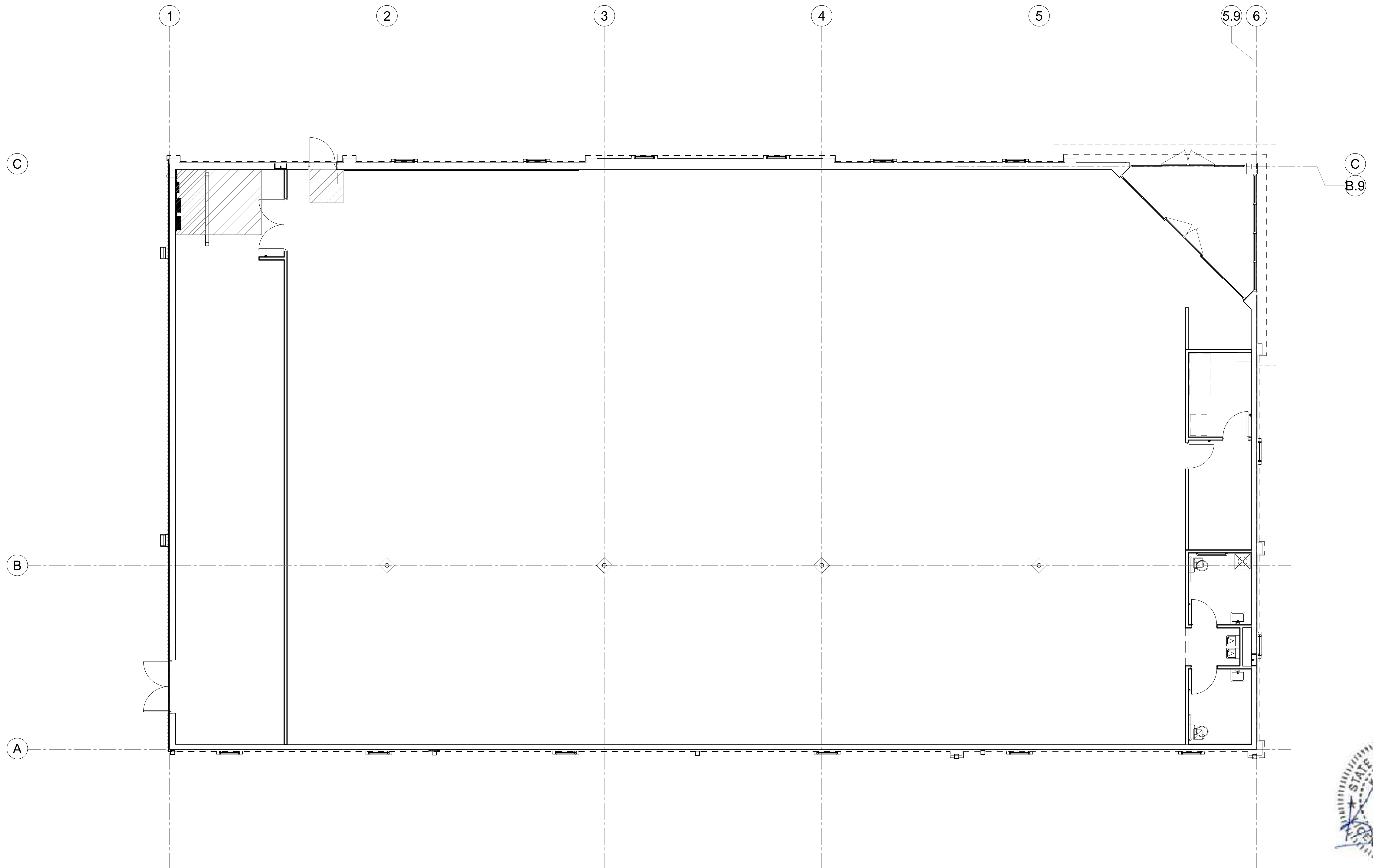
EXTERIOR FINISH SCHEDULE			
TAG	MATERIAL/ MFG.	COLOR/ NO.	NOTES
X1	HARDIEE-PLANK LAP SIDING	COLOR: PEARL GRAY	PRE-FINISHED, 6" EXPOSURE
X2	HARDIEE-PLANK LAP SIDING	COLOR: NIGHT GRAY	PRE-FINISHED 6" EXPOSURE
X3	VEE BRICK	COLOR: TAVERN FLASH	
X4	METAL COPING	COLOR: WHITE	PRE-FINISHED
X5	HARDIE-BOARD TRIM	COLOR: WHITE TO MATCH (X4)	COPING BY GC PRE-FINISHED
X6	METAL WALL PANEL	COLOR: CHARCOAL GRAY O.A.E	PRE-FINISHED
X7	SURFACE APPLIED STOREFRONT	COLOR: DARK 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
X10	HARDIE-BOARD TRIM	COLOR: TO MATCH (X2)	PAINTED
X11	METAL COPING	COLOR: CHARCOAL GRAY	PRE-FINISHED
X12	INSULATED SLIDING ENTRY DOORS	COLOR: DARK BRONZE	PRE-FINISHED
X13	METAL DOOR & FRAME	COLOR: TO MATCH (X2)	PAINTED
X14	ARCH ASPHALT SHINGLES	COLOR: PEWTER GREY	GAF TIMBERLINE



Conceptual Elevations

BAK ARCHITECTS

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



1 PROPOSED FLOOR PLAN  
SCALE: 3/16"=1'-0"

Conceptual Floor Plan

Bolton, CT Retail Building Conceptual Scheme  
1100 Boston Turnpike Bolton, CT

Prepared For Garrett Homes

SCALE: NOTED  
31, March 2021

1 OF 1  
DRAWN BY: DSG  
PROJECT NO: 221003



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

**From:** [Andy Platt](#)  
**To:** [Silver, Gary](#)  
**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

o 508-480-9900 / [aplatt@bohlereng.com](mailto:aplatt@bohlereng.com)

[www.BohlerEngineering.com](http://www.BohlerEngineering.com)

**BOHLER //**

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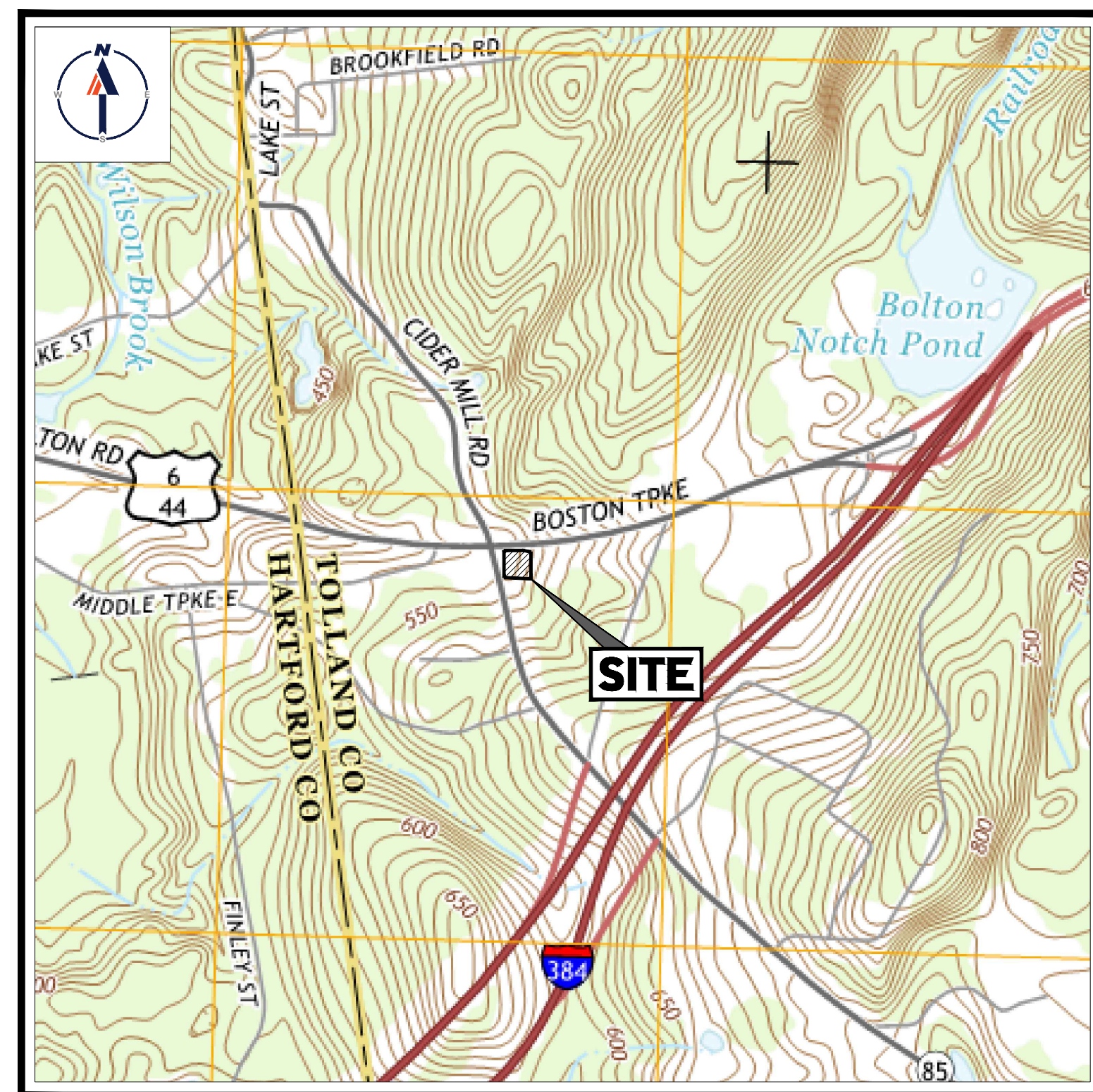
# PROPOSED SITE PLAN DOCUMENTS

FOR



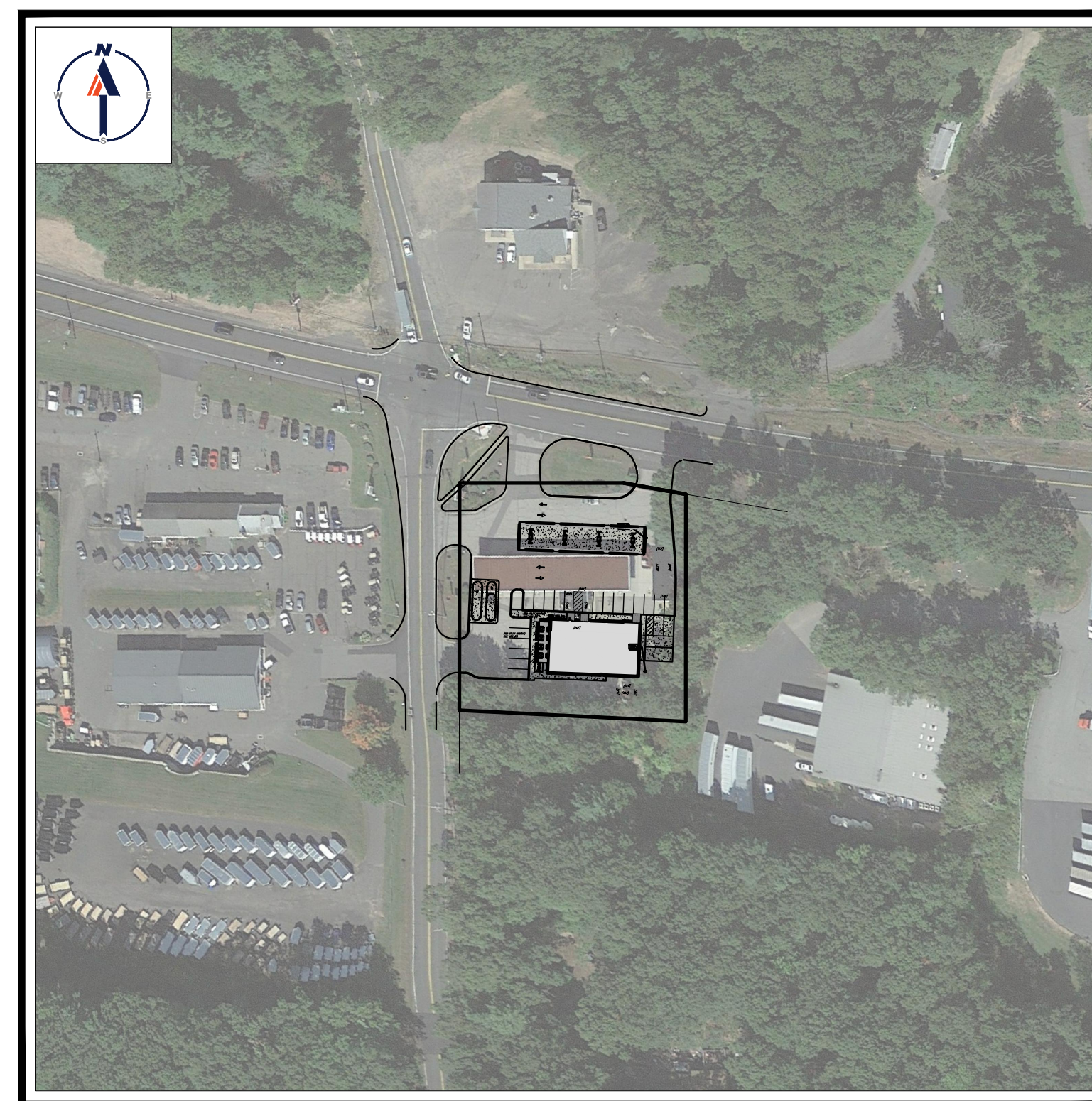
## PROPOSED CONVENIENCE STORE AND FUELING STATION

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



**USGS MAP**

SCALE: 1" = 1,000'  
SOURCE: ROCKVILLE CONNECTICUT USGS QUADRANGLE



**SITE MAP**

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

### DRAWING SHEET INDEX

SHEET TITLE	SHEET 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

**BOHLER**  
SITE CIVIL AND CONSULTING ENGINEERING  
PROGRAM MANAGEMENT  
LANDSCAPE ARCHITECTURE  
SUSTAINABLE DESIGN  
PERMITTING SERVICES  
TRANSPORTATION SERVICES

### REVISIONS

REV	DATE	COMMENT	DRAWN BY	CHECKED BY



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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 REVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUCTION DOCUMENT UNLESS INDICATED OTHERWISE.

PROJECT No.: W171113  
DRAWN BY: CPB  
CHECKED BY: LMD/AWP  
DATE: 04/12/2021  
CAD ID: W171113-CVL-0

PROJECT:

### PROPOSED SITE PLAN DOCUMENTS

FOR

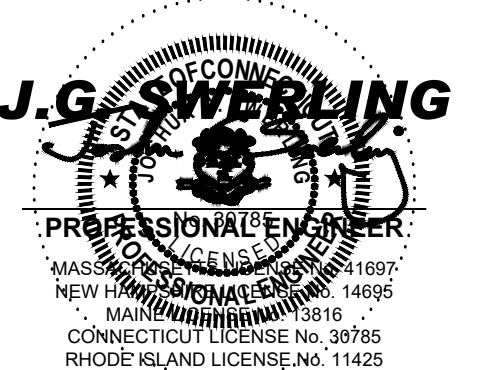


PROPOSED  
DEVELOPMENT  
MAP #7, LOT # 74  
129 BOSTON TURNPIKE  
TOWN OF BOLTON,  
TOLLAND COUNTY  
CONNECTICUT



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

[www.BohlerEngineering.com](http://www.BohlerEngineering.com)



SHEET TITLE:

**COVER  
SHEET**

SHEET NUMBER:

**C-101**

ORG. DATE - 04/12/2021

PREPARED BY





## GENERAL NOTES

CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH THE NOTES AND SPECIFICATIONS CONTAINED HEREIN. CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL SUBCONTRACTORS 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 08/19/2017.
- PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR MUST VERIFY THAT HESHE HAS THE LATEST EDITION OF THE DOCUMENTS REFERENCED ABOVE. THIS IS CONTRACTOR'S RESPONSIBILITY.
- ALL ACCESSIBLE (AKA ADA) PARKING SPACES MUST BE CONSTRUCTED TO MEET, AT A MINIMUM, THE MORE STRINGENT OF THE REQUIREMENTS OF THE "AMERICANS WITH DISABILITIES ACT" (ADA) CODE (42 U.S.C. § 12181 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 EFFECT 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 REVIEWED THE COMMENTS TO ALL ANY AND ALL 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.
- ALL WORK MUST BE PERFORMED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS AND CONDITIONS OF APPROVAL, AND ALL APPLICABLE REQUIREMENTS, 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 GEOTECHNICAL REPORT AND RECOMMENDATIONS SHALL TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR MUST NOTIFY THE ENGINEER, IN WRITING, OF ANY 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, OF ANY DISCREPANCY, DISCREPANCY OR AMBIGUITY EXISTING 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 PLANS PRIOR TO CONTRACTOR GIVING ENGINEER WRITTEN NOTIFICATION OF SAME AND ENGINEER, THEREAFTER, PROVIDING CONTRACTOR WITH WRITTEN AUTHORIZATION TO PROCEED WITH SUCH ADDITIONAL WORK.
- CONTRACTOR MUST REFER TO THE ARCHITECTURAL/BUILDING PLANS "OF RECORD" FOR EXACT LOCATIONS AND DIMENSIONS OF ENTRY/EXIT POINTS, ELEVATIONS, PRECISE BUILDING DIMENSIONS, UTILITY LOCATIONS, ETC.
- PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR MUST COORDINATE THE BUILDING LAYOUT BY CAREFUL REVIEW OF THE ENTIRE SITE PLAN AND THE 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.
- 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.
- 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.
- THE CONTRACTOR IS TO EXERCISE EXTREME CARE WHEN PERFORMING ANY WORK ACTIVITIES ADJACENT TO PAVEMENT, STRUCTURES, ETC. WHICH ARE TO REMAIN EITHER FOR AN INITIAL PHASE OF THE PROJECT OR AS PART OF THE FINAL CONSTRUCTION. 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 PROJECT.
- THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE DONE TO ANY NEW OR EXISTING CONSTRUCTION OR PROPERTY DURING THE COURSE OF CONSTRUCTION, INCLUDING BUT NOT LIMITED TO DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURB, ETC. AND SHALL BEAR ALL COSTS ASSOCIATED WITH SAME TO INCLUDE, BUT NOT LIMITED TO, THE COST OF REPAIRING OR REPLACING ANY AND ALL DAMAGE TO EXISTING OR NEW CONSTRUCTION OR PROPERTY AND ALL SIGNAL INTERCONNECTION CABLE, WIRING, CORDS, 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 EQUAL TO OR BETTER THAN THE CONDITION PRIOR TO THE CONSTRUCTION AND IN CONFORMANCE WITH ALL 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.
- ALL CONCRETE MUST BE AIR ENTRAINMENT AND HAVE THE MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS UNLESS OTHERWISE NOTED ON THE PLANS, DETAILS AND/OR GEOTECHNICAL REPORT.
- 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 OF CONSTRUCTION.
- 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.
- ALL CONTRACTORS MUST CARRY THE SPECIFIED STATUTORY WORKERS COMPENSATION INSURANCE, EMPLOYERS LIABILITY INSURANCE AND LIMITS OF COMMERCIAL GENERAL LIABILITY INSURANCE (COGL). ALL CONTRACTORS MUST HAVE THEIR COGL 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 SUBSIDIARIES AS ADDITIONAL NAMED INSURED AND TO PROVIDE CONTRACTOR LIABILITY COVERAGE AND HOLD HARMLESS AND INDEMNIFY CONTRACTOR AND SUBSIDIARIES AND RELATED ENTITIES. 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 ADDITION, ALL CONTRACTORS WILL, TO THE FULLEST EXTENT PERMITTED UNDER THE LAW, INDEMNIFY, DEFEND AND HOLD HARMLESS 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 SUBSIDIARIES FROM AND AGAINST ANY DAMAGES, INJURIES, CLAIMS, ACTIONS, LOSSES, EXPENSES, PUNITIVE DAMAGES, TORT DAMAGES, STATUTORY CAUSES OF ACTION, LOSSES, CAUSES OF ACTION, LIABILITIES OR COSTS, INCLUDING, BUT NOT LIMITED TO, REASONABLE ATTORNEY'S FEES AND DEFENSE COSTS, ARISING OUT OF OR IN ANY WAY CONNECTED WITH OR RESULTING FROM THE CONSTRUCTION DOCUMENTS NOT PROMPTLY AND IMMEDIATELY BROUGHT TO ITS ATTENTION, IN WRITING, BY THE CONTRACTOR. CONTRACTOR MUST NOTIFY ENGINEER, IN WRITING, AT LATEST THIRTY (30) DAYS PRIOR TO ANY TERMINATION, SUSPENSION OR CHANGE OF ITS INSURANCE HEREUNDER.
- 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 INFORMATION CONTAINED 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 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 THE PROJECT IS UNDERWAY. REVIEW OF A SPECIFIC ITEM MUST NOT BE CONSIDERED TO INDICATE THAT BOHLER ENGINEERING HAS REVIEWED THE ENTIRE ASSEMBLY OF WHICH THE ITEM IS A COMPONENT. BOHLER ENGINEERING WILL NOT BE RESPONSIBLE FOR ANY DISCREPANCY, DISCREPANCY OR AMBIGUITY BROUGHT TO ITS ATTENTION, IN WRITING, BY THE CONTRACTOR. BOHLER ENGINEERING WILL NOT BE REQUIRED TO REVIEW PARTIAL SUBMISSIONS OR THOSE FOR WHICH SUBMISSIONS OF CORRELATED ITEMS HAVE NOT BEEN RECEIVED.
- 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, SUBSIDIARIES, AND RELATED ENTITIES, AND ITS SUBCONTRACTORS AND SUBSIDIARIES 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 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 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.
- 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 THEREOF 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, ATTORNEY'S FEES, DAMAGES, COSTS, JUDGMENTS, PENALTIES AND THE LIKE RELATED TO SAME.
- 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.
- ALL SIGNING AND PAVEMENT STRIPING MUST CONFORM TO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES OR LOCALLY APPROVED SUPPLEMENT.
- 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 INCURS AS A RESULT OF SAID FAILURE.
- 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 PLANS) 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.
- ALL DIMENSIONS MUST BE TO FACE OF CURB, EDGE OF PAVEMENT, OR EDGE OF BUILDING, UNLESS NOTED OTHERWISE.
- 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.
- CONTRACTOR AND OWNER MUST INSTALL ALL ELEMENTS AND COMPONENTS IN STRICT COMPLIANCE WITH AND ACCORDANCE WITH MANUFACTURERS 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.
- 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 ONE PER WEEK AND AFTER RAINFALL EVENTS) AND CORRECTIVE MEASURES, AS APPROPRIATE.
- AS CONTAINED IN THESE DRAWINGS AND ASSOCIATED APPLICABLE DOCUMENTS PREPARED BY THE SIGNATORY PROFESSIONAL ENGINEER, THE USE OF THE WORD "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

1. LOCATIONS OF ALL EXISTING AND PROPOSED SERVICES ARE APPROXIMATE AND MUST BE INDEPENDENTLY CONFIRMED WITH LOCAL UTILITY COMPANIES PRIOR TO COMMENCEMENT OF 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 BEGINNING AT THE LOWEST INVERT POINT OF CONNECTION, AND PROGRESS UP GRADIENT. PROPOSED INTERFACE POINTS (CROSSINGS) WITH EXISTING UNDERGROUND UTILITIES SHALL 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 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 UTILITIES DURING CONSTRUCTION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL CONSTRUCTION CONTRACT DOCUMENTS INCLUDING, BUT NOT LIMITED TO, ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORK SPACE PRIOR TO THE INITIATION AND COMMENCEMENT OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT AND/OR DISCREPANCY BETWEEN THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR TO THE APPLICABLE CODES, REGULATIONS, LAWS, RULES, STATUTES AND/OR ORDINANCES, IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD, IN WRITING, OF SAID CONFLICT AND/OR DISCREPANCY PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR'S FAILURE TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE CONTRACTOR'S FULL AND COMPLETE ACCEPTANCE OF ALL RESPONSIBILITIES TO COMPLETE THE SCOPE OF WORK SHOWN IN 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.
- THE CONTRACTOR MUST LOCATE AND CLEARLY AND UNAMBIGUOUSLY DEFINE VERTICALLY AND HORIZONTALLY ALL ACTIVE AND INACTIVE UTILITY AND/OR SERVICE SYSTEMS THAT ARE TO BE REMOVED. THE CONTRACTOR IS RESPONSIBLE TO PROTECT AND MAINTAIN ALL ACTIVE AND INACTIVE SYSTEMS THAT ARE NOT BEING REMOVED/RELOCATED DURING THE SITE ACTIVITY.
- 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, STATUTES, LAWS, ORDINANCES AND CODES.
- 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 TRAP REQUIREMENTS/INSTALLATIONS, DOOR ACCESS, AND EXTERIOR GRADING. THE ARCHITECT WILL DETERMINE THE UTILITY SERVICE SIZES. THE CONTRACTOR MUST COORDINATE INSTALLATION OF UTILITIES RELATIVE TO THE LOCAL COMPANIES TO AVOID CONFLICTS AND TO ENSURE THAT THE 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-IN/CONNECTORS PRIOR TO CONNECTING TO THE EXISTING UTILITY SERVICE, WHERE A CONFLICT EXISTS BETWEEN THESE SITE PLANS AND THE EXISTING UTILITY PLANS, OR WHERE ARCHITECTURAL PLAN UTILITY CONNECTION POINTS DIFFER. THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER, IN WRITING, AND PRIOR TO CONSTRUCTION, RESOLVE SAME.
- WATER SERVICE MATERIALS, BURIAL DEPTH, AND COVER REQUIREMENTS MUST BE SPECIFIED BY THE LOCAL UTILITY COMPANY. CONTRACTOR'S PRICE FOR WATER SERVICE MUST INCLUDE ALL FEES, COSTS AND APPURTENANCES REQUIRED BY THE UTILITY TO PROVIDE FULL AND COMPLETE WORKING SERVICE. CONTRACTOR MUST CONTACT THE APPLICABLE MUNICIPALITY TO CONFIRM THE PROPER WATER METER AND VALVE, PRIOR TO COMMENCING CONSTRUCTION.
- 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 APPLICABLE CODES, REGULATIONS, LAWS, RULES, STATUTES AND/OR ORDINANCES.
- 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. SHALL 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 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 THERE TO.
- ALL FILL, COMPACTION, AND BACKFILL MATERIALS REQUIRED FOR UTILITY INSTALLATION MUST BE AS PER THE RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT AND MUST 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 SPECIFICATIONS AND SPECIFICATIONS AND CONSULTANT SHALL HAVE NO LIABILITY OR RESPONSIBILITY FOR OR AS RELATED TO FILL, COMPACTION AND BACKFILL. FURTHER, CONTRACTOR IS FULLY RESPONSIBLE FOR EARTHWORK BALANCE.
- THE CONTRACTOR MUST COMPLY TO THE FULLEST EXTENT, WITH THE LATEST OSHA STANDARDS AND REGULATIONS, AND/OR ANY OTHER AGENCY WITH JURISDICTION FOR EXCAVATION, 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 FEDERAL, STATE AND/OR TRENCHING PROCEDURES AND CONSULTANT SHALL HAVE NO RESPONSIBILITY FOR OR AS RELATED FOR OR AS RELATED TO EXCAVATION AND TRENCHING PROCEDURES.
- PAVEMENT MUST BE SAW CUT IN STRAIGHT LINES, AND EXCEPT FOR EDGE OF JOINT BUI TTMENTS, 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.
- THE TOPS OF EXISTING MANHOLES, INLET STRUCTURES, AND SANITARY TROUGH TOPS MUST BE ADJUSTED, AS NECESSARY, TO MATCH PROPOSED GRADES IN ACCORDANCE WITH ALL APPLICABLE STANDARDS, REGULATIONS, RULES, STATUTES, LAWS, ORDINANCES AND CODES.
- 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 PROVIDE TO THE OWNER AT THE COMPLETION OF WORK.
- 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 AND COVER ALL EXISTING SANITARY SEWER AND SPECIFICATIONS AND CONSULTANT SHALL HAVE NO RESPONSIBILITY FOR OR AS RELATED TO 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 TOPOGRAPHY 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, OR GENERAL WELFARE, OR PROJECT COST. IF 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.
- PROPOSED TOP OF CURB ELEVATIONS ARE GENERALLY ABOVE EXISTING LOCAL ASPHALT GRADE UNLESS OTHERWISE NOTED. FIELD ADJUST TO CREATE A MINIMUM OF 0.75% 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.
- 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 IMMEDIATELY NOTIFY THE DESIGN ENGINEER, IN WRITING, OF ANY DISCREPANCIES AND/OR CONFLICTS.
- CONTRACTOR IS REQUIRED TO SECURE ALL NECESSARY AND/OR REQUIRED PERMITS AND APPROVALS FOR ALL OFF-SITE MATERIAL SOURCES AND DISPOSAL FACILITIES. CONTRACTOR MUST SUPPLY A COPY OF APPROVALS TO ENGINEER AND OWNER PRIOR TO INITIATING ANY WORK.
- 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.
- STORM DRAINAGE PIPE UNLESS INDICATED OTHERWISE, ALL STORM SEWER PIPE MUST BE REINFORCED CONCRETE PIPE (RCP) CLASS III WITH SILT TIGHT JOINTS. WHEN HIGH-DENSITY POLYETHYLENE PIPE (HDPE) IS CALLED FOR ON THE PLANS, IT MUST CONFORM TO AASHTO M98 AND TYPE S (SMOOTH INTERIOR WITH ANGULAR CORRUGATIONS) WITH GASKET FOR SILT TIGHT JOINT. PVC PIPE FOR STORM DRAIN CONNECTION MUST BE SDR 26 OR SCHEDULE 40 UNLESS INDICATED OTHERWISE.
- UNLESS INDICATED OTHERWISE ON THE DRAWINGS, SANITARY SEWER PIPE SHALL BE AS FOLLOWS:
  - 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
  - FOR PIPE WITHIN 10 FT. OF BUILDING, PIPE MATERIAL SHALL COMPLY WITH APPLICABLE BUILDING AND PLUMBING CODES. CONTRACTOR TO VERIFY WITH LOCAL OFFICIALS.
- STORM AND SANITARY SEWER PIPE LENGTHS INDICATED ARE NOMINAL AND MEASURED CENTER OF INLET AND/OR MANHOLES STRUCTURE TO CENTER OF STRUCTURE.
- STORMWATER ROOF DRAIN LOCATIONS ARE BASED ON PRELIMINARY ARCHITECTURAL PLANS. CONTRACTOR IS RESPONSIBLE TO AND FOR VERIFYING LOCATIONS OF SAME BASED ON FINAL ARCHITECTURAL PLANS.
- 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 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.
  - 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 SLP-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 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 MUST BE PROVIDED.
- 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 (DI) MINIMUM CLASS 52 THICKNESS, ALL PIPE AND APPURTENANCES MUST COMPLY WITH THE APPLICABLE AWWA STANDARDS IN EFFECT AT THE TIME OF APPLICATION.
- 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 WITH THE AGENCY WITH JURISDICTION OVER SAME.
- LOCATION OF PROPOSED UTILITY POLE RELLOCATION IS AT THE SOLE DISCRETION OF UTILITY COMPANY.
- CONSULTANT IS NEITHER LIABLE NOR RESPONSIBLE FOR ANY SUBSURFACE CONDITIONS AND FURTHER, SHALL HAVE NO LIABILITY FOR ANY HAZARDOUS MATERIALS, HAZARDOUS SUBSTANCES, OR POLLUTANTS ON, ABOUT OR UNDER THE PROPERTY.

## GENERAL DEMOLITION NOTES

- THIS PLAN REFERENCES DOCUMENTS AND INFORMATION BY:
  - "BOUNDARY & TOPOGRAPHIC SURVEY" PREPARED BY CONTROL POINT ASSOCIATES, INC., DATED 03/04/2021.
- 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 seq.) AS AMENDED 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 SAME.
- THE DEMOLITION PLAN IS INTENDED TO PROVIDE GENERAL INFORMATION ONLY. REGARDING ITEMS TO BE DEMOLISHED AND/OR REMOVED, THE CONTRACTOR MUST ALSO REVIEW THE OTHER SITE PLAN DRAWINGS AND INCLUDE IN DEMOLITION ACTIVITIES ALL INCIDENTAL WORK NECESSARY FOR THE CONSTRUCTION OF THE NEW SITE IMPROVEMENTS.
- CONTRACTOR MUST RAISE ANY QUESTIONS CONCERNING THE ACCURACY OR INTENT OF THESE PLANS OR SPECIFICATIONS. CONCERNS REGARDING THE APPLICABLE FEDERAL, STATE, OR LOCAL REGULATIONS, LAWS, RULES, STATUTES AND/OR ORDINANCES, WITH BOHLER ENGINEERING, IN WRITING, AND RESPONDED TO BY BOHLER, IN WRITING, PRIOR TO THE INITIATION OF ANY SITE ACTIVITY AND ANY DEMOLITION ACTIVITY. ALL DEMOLITION ACTIVITIES MUST BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THESE PLANS AND SPECIFICATIONS AND ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, RULES, REQUIREMENTS, STATUTES, ORDINANCES AND CODES.
- PRIOR TO STARTING ANY DEMOLITION, CONTRACTOR IS RESPONSIBLE FOR TO:
  - OBTAINING ALL REQUIRED PERMITS AND MAINTAINING THE SAME ON SITE FOR REVIEW BY THE ENGINEER AND OTHER PUBLIC AGENCIES WITH JURISDICTION THROUGHOUT THE DURATION OF THE PROJECT, SITE WORK, AND DEMOLITION WORK.
  - NOTIFYING, AT A MINIMUM, THE MUNICIPAL ENGINEER, DESIGN ENGINEER, AND LOCAL SOIL CONSERVATION DISTRICT, 72 HOURS PRIOR TO THE START OF WORK.
- INSTALLING THE REQUIRED SOIL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO SITE DISTURBANCE.
- IN ACCORDANCE WITH STATE LAW, THE CONTRACTOR MUST CALL THE STATE ONE-CALL DAMAGE PROTECTION SYSTEM FOR UTILITY MARKOUT, IN ADVANCE OF ANY EXCAVATION.
- LOCATING AND PROTECTING ALL UTILITIES AND SERVICES, INCLUDING BUT NOT LIMITED TO GAS, WATER, ELECTRIC, SANITARY AND STORM SEWER, TELEPHONE, CABLE, FIBER OPTIC CABLE, ETC. WITHIN AND ADJACENT TO THE LIMITS OF PROJECT ACTIVITIES. THE CONTRACTOR MUST USE AND COMPLY WITH THE REQUIREMENTS OF THE APPLICABLE UTILITY NOTIFICATION SYSTEM TO LOCATE ALL THE UNDERGROUND UTILITIES.
- PROTECTING AND MAINTAINING IN OPERATION, ALL ACTIVE UTILITIES AND SYSTEMS THAT ARE NOT BEING REMOVED DURING ALL DEMOLITION ACTIVITIES.
- COORDINATING AND COORDINATING WITH THE APPLICABLE UTILITY SERVICE PROVIDER(S) FOR THE TEMPORARY OR PERMANENT TERMINATION OF SERVICE REQUIRED BY 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.
- 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.
- THE FIRM OR ENGINEER OF RECORD IS NOT RESPONSIBLE FOR JOB SITE SAFETY OR SUPERVISION. CONTRACTOR MUST PROCEED WITH THE DEMOLITION IN A SYSTEMATIC 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 STRUCTURES, AND ANY OTHER ADJACENT STRUCTURES, AND TO PREVENT DAMAGE TO ALL ITEMS THAT ARE TO REMAIN. CONTRACTOR MUST USE NEW MATERIAL FOR ALL REPAIRS. CONTRACTOR'S REPAIR MUST INCLUDE THE RESTORATION OF ANY ITEMS REPAIRED TO THE PRE-DEMOLITION CONDITION, OR BETTER. CONTRACTOR SHALL PERFORM ALL REPAIRS AT THE CONTRACTOR'S SOLE EXPENSE.
- THE CONTRACTOR MUST NOT PERFORM ANY EARTH MOVEMENT ACTIVITIES, DEMOLITION OR REMOVAL OF FOUNDATION WALLS, FOOTINGS, OR OTHER MATERIALS WITHIN THE LIMITS OF DISTURBANCE UNLESS SAME IS IN STRICT ACCORDANCE AND CONFORMANCE WITH THE PROJECT PLANS AND SPECIFICATIONS, AND/OR UNDER THE WRITTEN DIRECTION OF THE OWNER'S STRUCTURAL OR GEOTECHNICAL ENGINEER.
- CONTRACTOR MUST BACKFILL ALL EXCAVATION RESULTING FROM, OR INCIDENTAL TO, DEMOLITION ACTIVITIES. BACKFILL MUST BE ACCOMPLISHED WITH APPROVED BACKFILL MATERIALS, AND MUST BE SUFFICIENTLY COMPACTED TO SUPPORT NEW IMPROVEMENTS AND PERFORMED IN CONFORMANCE WITH THE RECOMMENDATIONS AND GUIDANCE IN THE GEOTECHNICAL REPORT. BACKFILLING MUST OCCUR IMMEDIATELY AFTER DEMOLITION ACTIVITIES, AND MUST BE DONE SO AS TO PREVENT WATER ENTERING THE EXCAVATION. FINISHED SURFACES MUST BE GRADED TO PROMOTE PROPER DRAINAGE.
- EXPLOSIVES MUST NOT BE USED WITHOUT PRIOR WRITTEN CONSENT OF BOTH THE OWNER AND ALL APPLICABLE GOVERNMENTAL AUTHORITIES. ALL THE REQUIRED PERMITS AND EXPLOSIVE CONTROL MEASURES THAT ARE REQUIRED BY THE FEDERAL, STATE, AND LOCAL GOVERNMENTS MUST BE IN PLACE PRIOR TO CONTRACTOR STARTING AN EXPLOSIVE PROGRAM AND/OR ANY DEMOLITION. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ALL INSPECTION AND SEISMIC VIBRATION TESTING THAT IS 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 ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), AND THE FEDERAL, STATE, AND LOCAL REGULATIONS WHEN DEMOLITION RELATED ACTIVITIES IMPACT ROADWAYS AND/OR ROADWAY RIGHT-OF-WAY.
- CONTRACTOR MUST CONDUCT DEMOLITION ACTIVITIES IN SUCH A MANNER TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, SIDEWALKS, WALKWAYS, AND OTHER ADJACENT FACILITIES. STREET CLOSURE PERMITS MUST BE RECEIVED FROM THE APPROPRIATE GOVERNMENTAL AUTHORITY PRIOR TO THE COMMENCEMENT OF 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 AND ALL GOVERNMENTAL AGENCIES WITH JURISDICTION.
- THE CONTRACTOR MUST USE DUST CONTROL MEASURES TO LIMIT AIRBORNE DUST AND DIRT RISING AND SCATTERING IN THE AIR IN ACCORDANCE WITH FEDERAL, STATE, AND/OR LOCAL STANDARDS. AFTER THE DEMOLITION IS COMPLETE, CONTRACTOR MUST CLEAN ALL ADJACENT STRUCTURES AND IMPROVEMENTS TO REMOVE ALL DUST AND DEBRIS CAUSED BY THE DEMOLITION OPERATIONS. THE CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL ADJACENT AREAS TO THEIR "PRE-DEMOLITION" CONDITION.
- 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.
- CONTRACTOR IS RESPONSIBLE FOR SITE JOB SAFETY, WHICH MUST INCLUDE, BUT NOT BE LIMITED TO, THE INSTALLATION AND MAINTENANCE OF BARRIERS, FENCING AND 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 AS TO THE MEANS, METHODS, AND/OR TECHNIQUES 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 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 MUNICIPAL, COUNTY, STATE, AND FEDERAL LAWS AND APPLICABLE CODES. THE CONTRACTOR MUST MAINTAIN RECORDS TO DEMONSTRATE PROPER DISPOSAL ACTIVITIES, TO BE PROMPTLY PROVIDED TO THE OWNER UPON REQUEST.
- CONTRACTOR MUST MAINTAIN A RECORD SET OF PLANS UPON WHICH IS INDICATED THE LOCATION OF EXISTING UTILITIES THAT ARE CAPPED, ABANDONED IN PLACE, OR RELOCATED DUE TO DEMOLITION ACTIVITIES. THIS RECORD DOCUMENT MUST BE PREPARED IN A NEAT AND WORKMAN-LIKE MANNER, AND TURNED OVER TO THE OWNER/DEVELOPER UPON COMPLETION OF THE WORK.

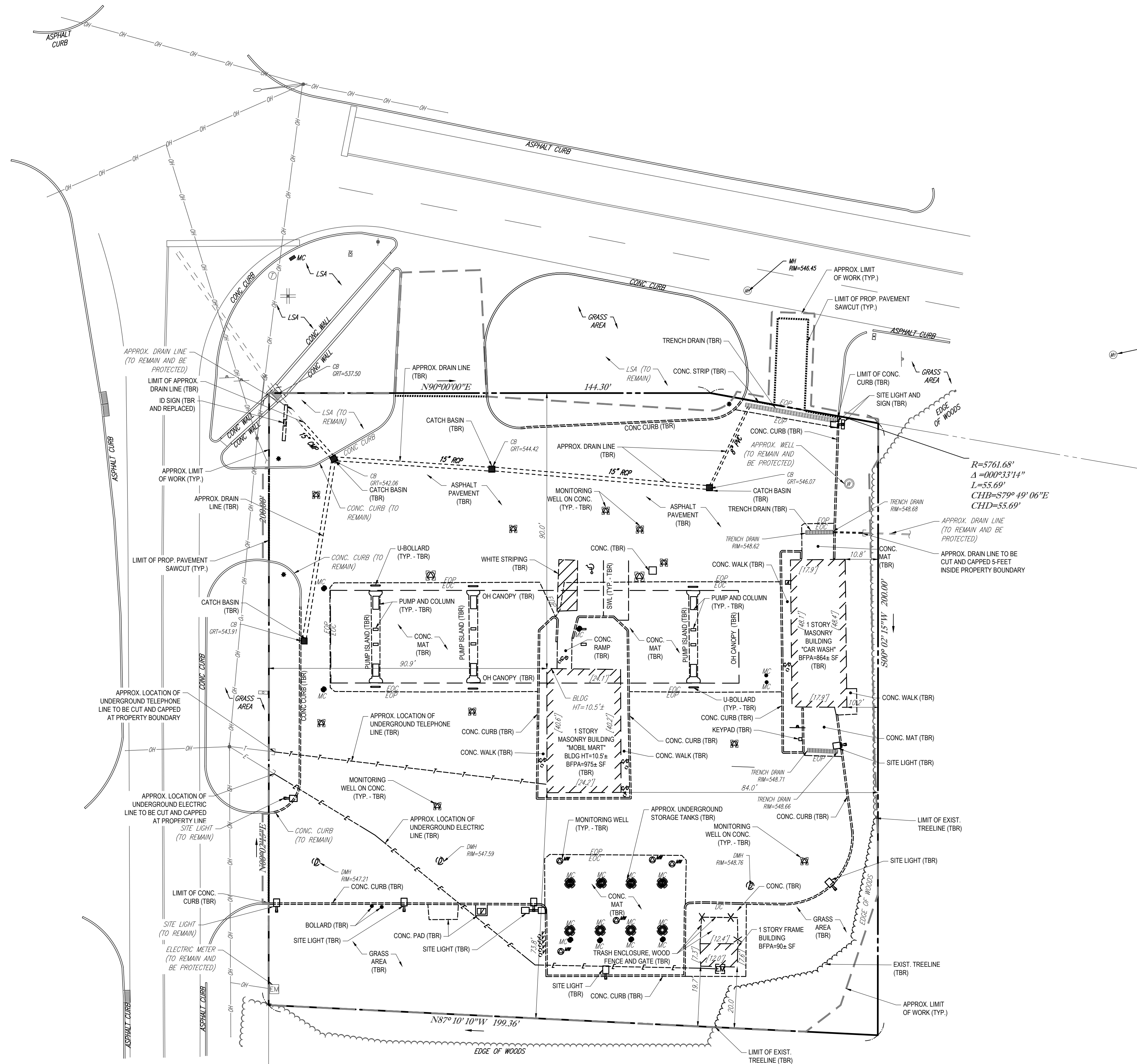
## ADA INSTRUCTIONS TO CONTRACTOR:

- CONTRACTORS MUST EXERCISE APPROPRIATE CARE AND PRECISION IN CONSTRUCTION OF ADA (ACCESSIBLE) ACCESSIBLE COMPONENTS AND ACCESS ROUTES FOR THE SITE. THESE COMPONENTS, AS CONSTRUCTED, MUST COMPLY WITH ALL APPLICABLE STATE AND LOCAL ACCESSIBILITY LAWS AND REGULATIONS AND THE CURRENT ADA AND/OR STATE ARCHITECTURAL ACCESS BOARD STANDARDS AND REGULATIONS' BARRIER FREE ACCESS AND ANY MODIFICATIONS, REVISIONS OR UPDATES TO SAME. FINISHED SURFACES ALONG THE ACCESSIBLE ROUTE OF TRAVEL FROM PARKING SPACE, PUBLIC TRANSPORTATION, PEDESTRIAN ACCESS, INTER-BUILDING ACCESS, TO POINTS OF ACCESSIBLE BUILDING ENTRANCE/EXIT, MUST COMPLY WITH THESE ADA AND/OR ARCHITECTURAL ACCESS BOARD CODE REQUIREMENTS. THESE INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:
  - PARKING SPACES AND PARKING AISLES - SLOPE SHALL NOT EXCEED 1:50 (14" 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 (14" PER FOOT OR NOMINALLY 2.0%) IN ANY DIRECTION.
  - PATH OF TRAVEL ALONG ACCESSIBLE ROUTE - MUST PROVIDE A 36-INCH OR GREATER UNOBSTRUCTED WIDTH OF TRAVEL. [CAR OVERHANGS AND/OR HANDRAILS CANNOT 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 (14" PER FOOT OR 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 A MAXIMUM RISE OF 6 FEET, MUST BE PROVIDED. THE RAMP MUST HAVE ADA HAND RAILS AND LEVEL LANDINGS ON EACH END THAT ARE CROSSED SLOPED NO MORE THAN 1:50 IN ANY DIRECTION (14" 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 (14" PER FOOT OR NOMINALLY 2.0%) FOR POSITIVE DRAINAGE. THIS LANDING AREA MUST BE NO LESS THAN 60 INCHES (5 FEET) LONG, EXCEPT WHERE OTHERWISE PERMITTED BY ADA STANDARDS FOR ALTERNATIVE DOORWAY OPENING CONDITIONS. (SEE ICCANS 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 DOORWAYS OR SURFACES, CONTRACTOR MUST VERIFY EXISTING ELEVATIONS SHOWN ON THE PLAN. NOTE THAT TABLE 405.2 OF THE DEPARTMENT OF JUSTICE'S ADA STANDARDS FOR ACCESSIBLE DESIGN ALLOWS FOR STEEPER RAMP SLOPES, IN RARE CIRCUMSTANCES. THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE DESIGN ENGINEER OF ANY 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 WORK. CONSTRUCTED IMPROVEMENTS MUST FALL WITHIN THE MAXIMUM AND MINIMUM LIMITATIONS IMPOSED BY THE BARRIER FREE REGULATIONS AND THE ADA REQUIREMENTS.
  - CONTRACTOR MUST VERIFY THE SLOPES OF CONTRACTORS FORMS PRIOR TO POURING CONCRETE. IF ANY NON-COMFORMANCE IS OBSERVED OR EXISTS, CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER PRIOR TO POURING CONCRETE. CONTRACTOR IS RESPONSIBLE FOR ALL COSTS TO REMOVE, REPAIR AND REPLACE NON-COMFORMING CONCRETE.
- IT IS STRONGLY RECOMMENDED THAT THE CONTRACTOR REVIEW THE INTENDED CONSTRUCTION WITH THE LOCAL BUILDING CODE PRIOR TO COMMENCEMENT OF CONSTRUCTION.

## TYPICAL ABBREVIATIONS

KEY	DESCRIPTION	PROV.	DESCRIPTION
BC	BOTTOM CURB	KRP	PROPOSED
TC	TOP CURB	TBR	TO BE REMOVED AND REPLACED
BOC	BACK OF CURB	TBR	TO BE REMOVED
BW	BOTTOM OF WALL GRADE	TFP	TREE PROTECTION FENCE
TW	TOP OF WALL	BLD	BUILDING
EXIST	EXISTING	SF	SQUARE FEET
BM	BENCHMARK	SMH	SEWER MANHOLE
EOP	EDGE OF PAVEMENT	DMH	DRAIN MANHOLE
℄	CENTERLINE	STM	STORM
F	FINISHED FLOOR	SAN	SANITARY</





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**BOHLER**  
 SITE CIVIL AND CONSULTING ENGINEERING  
 PROGRAM MANAGEMENT  
 LANDSCAPE ARCHITECTURE  
 SUSTAINABLE DESIGN  
 TRANSPORTATION SERVICES

**REVISIONS**

REV	DATE	COMMENT	DRAWN BY	CHECKED BY

**811**  
 Know what's below.  
 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 REVIEW AND APPROVAL. IT IS NOT INTENDED AS A CONSTRUCTION DOCUMENT UNLESS INDICATED OTHERWISE.

PROJECT No.: W171113  
 DRAWN BY: CPB  
 CHECKED BY: LMD/AWP  
 DATE: 04/12/2021  
 CAD I.D.: W171113-CVL-0

**PROPOSED SITE PLAN DOCUMENTS**

FOR

**GLOBAL**

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](http://www.BohlerEngineering.com)

**J.G. SWERLING**  
 PROFESSIONAL ENGINEER  
 MAINE LICENSE NO. 14695  
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 CONNECTICUT LICENSE NO. 38785  
 RHODE ISLAND LICENSE NO. 11425

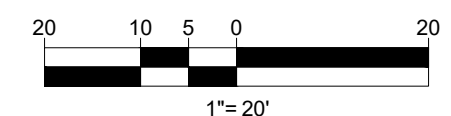
**REFER TO GENERAL NOTES SHEET FOR DEMOLITION NOTES**

**THIS PLAN TO BE UTILIZED FOR DEMOLITION/REMOVAL PURPOSES ONLY**

SHEET TITLE:  
**DEMOLITION PLAN**

SHEET NUMBER:  
**C-201**

ORG. DATE - 04/12/2021







**SITE INFORMATION**

- APPLICANT:  
GLOBAL MONTELLO GROUP CORP.  
800 SOUTH STREET, SUITE 500  
WALTHAM, MA 02454
- OWNER:  
GLOBAL MONTELLO GROUP CORP.  
800 SOUTH STREET, SUITE 500  
WALTHAM, MA 02454
- PARCEL:  
MAP #7 & LOT #74  
129 BOSTON TURNPIKE  
TOWN OF BOLTON  
TOLLAND COUNTY, CONNECTICUT

**ZONING ANALYSIS TABLE**

ZONING DISTRICT	GATEWAY MIXED USE INDUSTRIAL ZONE (GMUIZ)		
OVERLAY DISTRICT	AQUIFER PROTECTION OVERLAY		
REQUIRED PERMIT	SPECIAL PERMIT - SERVICE STATION		
ZONE CRITERIA	REQUIRED	EXISTING	PROPOSED
MIN. LOT AREA	120,000 SF	40,532 SF	NO CHANGE
MIN. LOT WIDTH	200 FT	200 FT	NO CHANGE
MAX. BLDG COVERAGE	25%	4.8%	9.5%
MIN. FRONT SETBACK	<25 FT	19.0 FT	34.5 FT (CANOPY)
MIN. SIDE SETBACK	25 FT	10 FT	36.1 FT (CANOPY)
MIN. REAR SETBACK	25 FT	N/A	N/A
MAX. BUILDING HEIGHT	40 FT	10.5 ± FT	25 ± FT
MAX. IMPER. COVERAGE	50%	75.3%	72.0% (E)
PARKING SPACES	44 MAX. & 20 MIN.	5 ±	22
ACCESS. PARKING SPACES	1	1	1
PARKING STALL CRITERIA STANDARD: 9 FT x 18 FT COMPACT: 8 FT x 16 FT	AUTOMOTIVE REPAIR AND SERVICE: A MINIMUM OF 2 SPACES PER 1,000 SF OF GROSS FLOOR AREA, AND A MAXIMUM OF 4 SPACES PER 1,000 SF OF GROSS FLOOR AREA IS REQUIRED. 4,820 SF / 1,000 X 2 = 9.6 SPACES REQUIRED MINIMUM 4,820 SF / 1,000 X 4 = 19.3 SPACES REQUIRED MAXIMUM  SMALL COMMERCIAL CENTERS: A MINIMUM OF 2 SPACES PER 1,000 SF OF GROSS FLOOR AREA, AND A MAXIMUM OF 5 SPACES PER 1,000 SF OF GROSS FLOOR AREA IS REQUIRED. 4,820 SF / 1,000 X 2 = 9.6 SPACES REQUIRED MINIMUM 4,820 SF / 1,000 X 5 = 24.1 SPACES REQUIRED MAXIMUM  TOTAL MINIMUM SPACES REQUIRED = 9.6 + 9.6 = 20 SPACES TOTAL MAXIMUM SPACES REQUIRED = 19.3 + 24.1 = 44 SPACES		
ACCESSIBLE PARKING CRITERIA STANDARD: 8 FT x 18 FT (MIN.) 5 FT x 18 FT AISLE (MIN.) VAN: 8 FT x 18 FT STALL (MIN.) 8 FT x 18 FT AISLE (MIN.)	1-25 SPACES = 1 MIN. ACCESSIBLE SPACE 26-50 SPACES = 2 MIN. ACCESSIBLE SPACES 51-75 SPACES = 3 MIN. ACCESSIBLE SPACES 76-100 SPACES = 4 MIN. ACCESSIBLE SPACES 101-150 SPACES = 5 MIN. ACCESSIBLE SPACES 151-200 SPACES = 6 MIN. ACCESSIBLE SPACES 201-300 SPACES = 7 MIN. ACCESSIBLE SPACES 301-400 SPACES = 8 MIN. ACCESSIBLE SPACES  401-500 SPACES = 9 MIN. ACCESSIBLE SPACES 501-1,000 SPACES = MIN. 2% OF TOTAL 1001+ SPACES = MIN. 2% + 1 FOR EACH 100 SPACES OVER 1,000  1 ACCESSIBLE VAN SPACE PER 6 STANDARD ACCESSIBLE SPACES (MIN.)		

**BOHLER**  
 SITE CIVIL AND CONSULTING ENGINEERING  
 PROGRAM MANAGEMENT  
 LANDSCAPE ARCHITECTURE  
 SUSTAINABLE DESIGN  
 PERMITTING SERVICES  
 TRANSPORTATION SERVICES

**REVISIONS**

REV	DATE	COMMENT	DRAWN BY	CHECKED BY

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PROJECT No.: W171113  
 DRAWN BY: CPB  
 CHECKED BY: LMD/AWP  
 DATE: 04/12/2024  
 CAD ID: W171113-CV1-0

**PROPOSED SITE PLAN DOCUMENTS**

FOR  
**GLOBAL**  
 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

**J.G. SWERLING**  
 PROFESSIONAL ENGINEER  
 MAINE LICENSE NO. 14605  
 NEW HAMPSHIRE LICENSE NO. 3816  
 CONNECTICUT LICENSE NO. 38785  
 RHODE ISLAND LICENSE NO. 11425

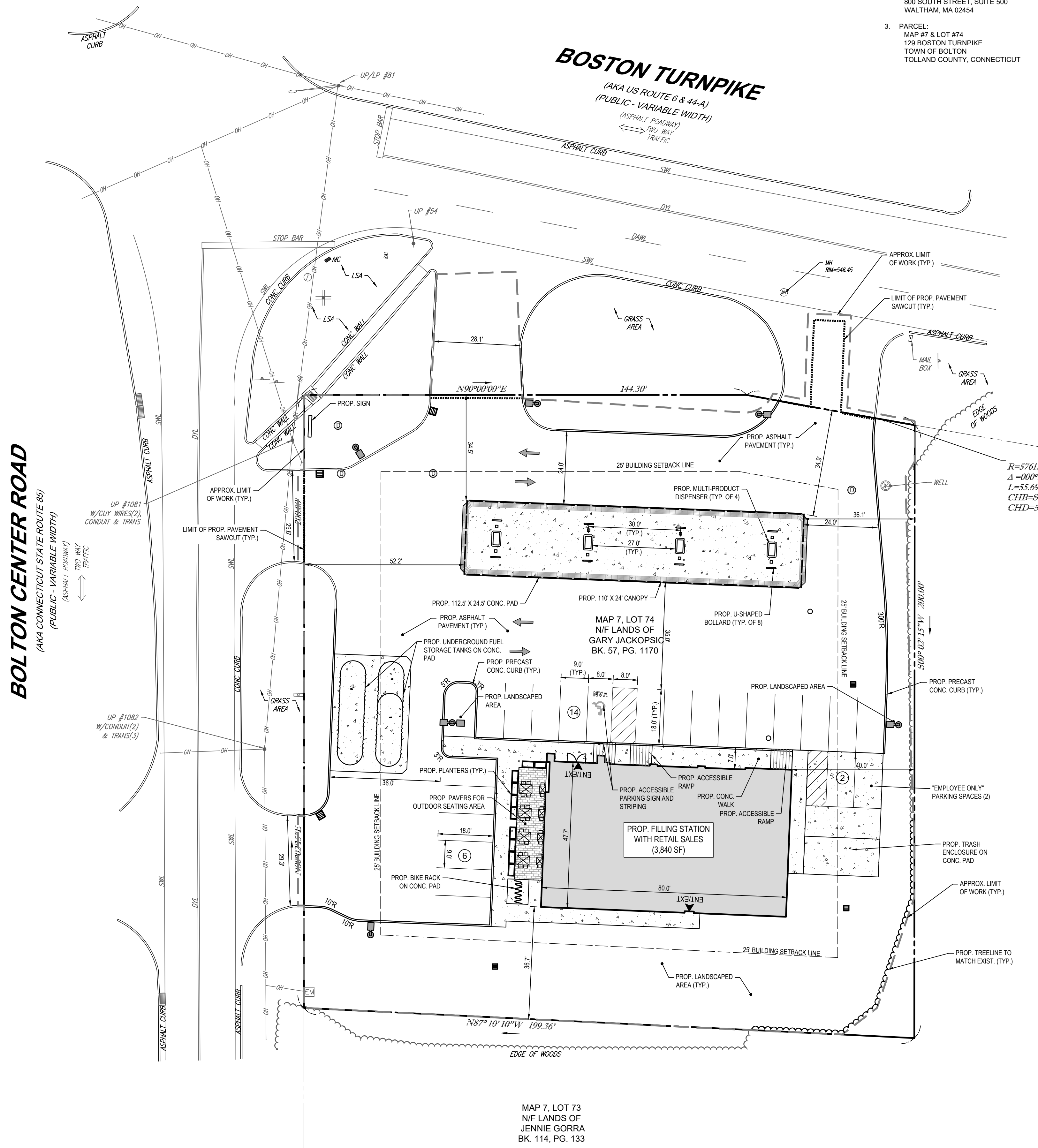
SHEET TITLE:

**SITE LAYOUT PLAN**

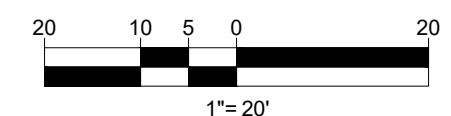
SHEET NUMBER:

**C-301**

ORG. DATE - 04/12/2024



**THIS PLAN TO BE UTILIZED FOR SITE LAYOUT PURPOSES ONLY. REFER TO GENERAL NOTES SHEET FOR ADDITIONAL NOTES**

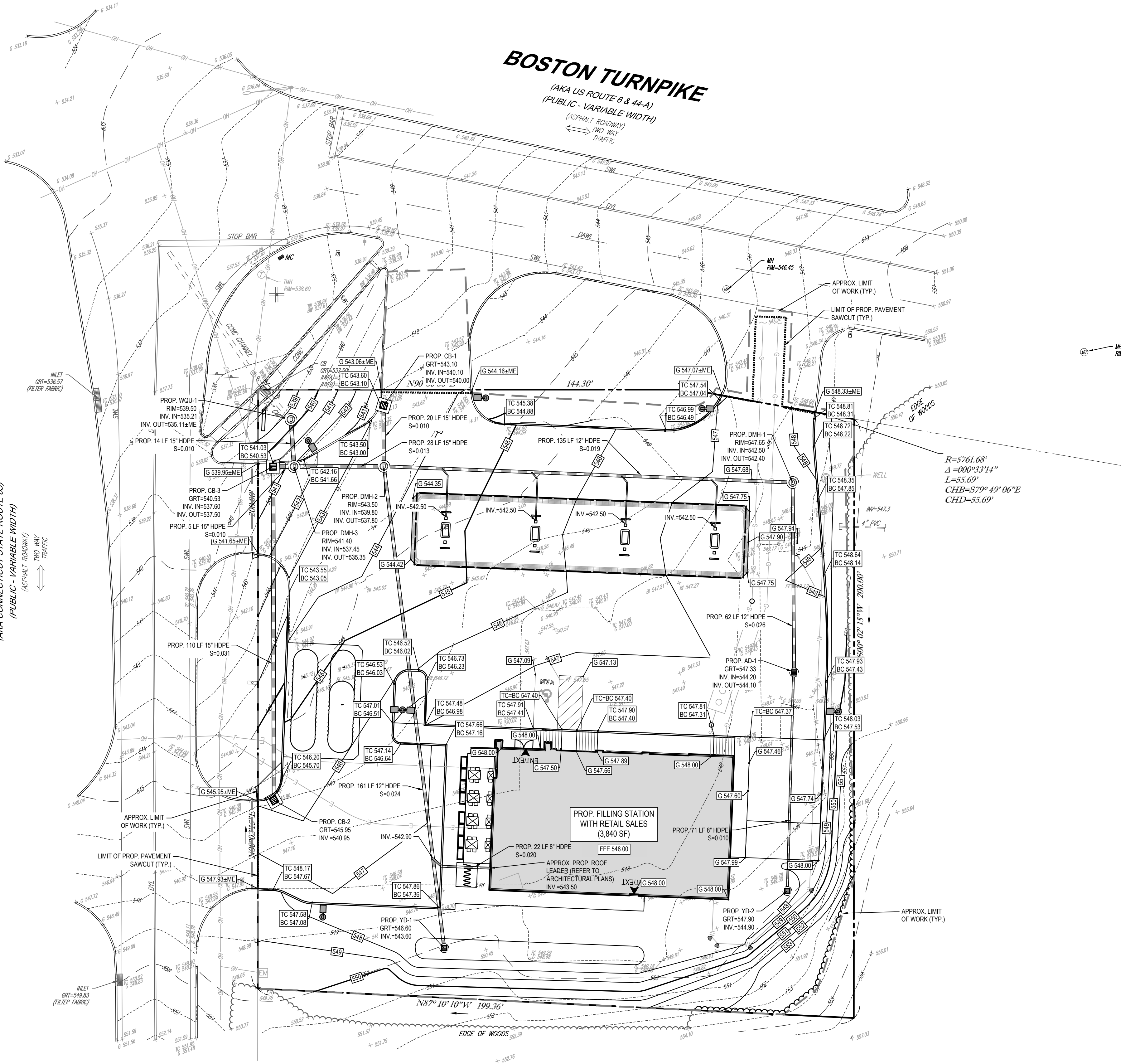






**BOLTON CENTER ROAD**  
(AKA CONNECTICUT STATE ROUTE 65)  
(PUBLIC - VARIABLE WIDTH)  
(ASPHALT ROADWAY)  
TWO WAY TRAFFIC

**BOSTON TURNPIKE**  
(AKA US ROUTE 6 & 44-A)  
(PUBLIC - VARIABLE WIDTH)  
(ASPHALT ROADWAY)  
TWO WAY TRAFFIC



$R=5761.68'$   
 $\Delta=000^{\circ}33'14''$   
 $L=55.69'$   
 $CHB=579^{\circ}19'06''E$   
 $CHD=55.69'$

**BOHLER**  
SITE CIVIL AND CONSULTING ENGINEERING  
PROGRAM MANAGEMENT  
LANDSCAPE ARCHITECTURE  
SUSTAINABLE DESIGN  
TRANSPORTATION SERVICES

**REVISIONS**

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PROJECT No.: W171113  
DRAWN BY: CPB  
CHECKED BY: LMD/AVP  
DATE: 04/12/2021  
CAD ID: W171113-CVL-0

**PROPOSED SITE PLAN DOCUMENTS**

FOR

**GLOBAL**

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

**BOHLER**

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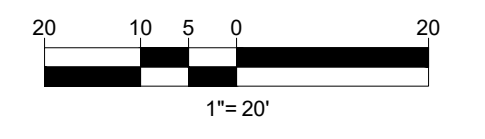
**J.G. SWERLING**  
PROFESSIONAL ENGINEER  
MAINE LICENSE NO. 14605  
NEW HAMPSHIRE LICENSE NO. 3816  
CONNECTICUT LICENSE NO. 38785  
RHODE ISLAND LICENSE NO. 11425

**THIS PLAN TO BE UTILIZED FOR SITE GRADING PURPOSES ONLY. REFER TO GENERAL NOTES SHEET FOR ADDITIONAL GRADING & UTILITY NOTES**

SHEET TITLE:  
**GRADING AND DRAINAGE PLAN**

SHEET NUMBER:  
**C-401**

ORG. DATE - 04/12/2021



C:\PROGRAMDATA\BOHLER\320202021\TEMP\AC\PROJECT\1848\W17113-CVL-0-JAY\OUT-C-401-GRAD

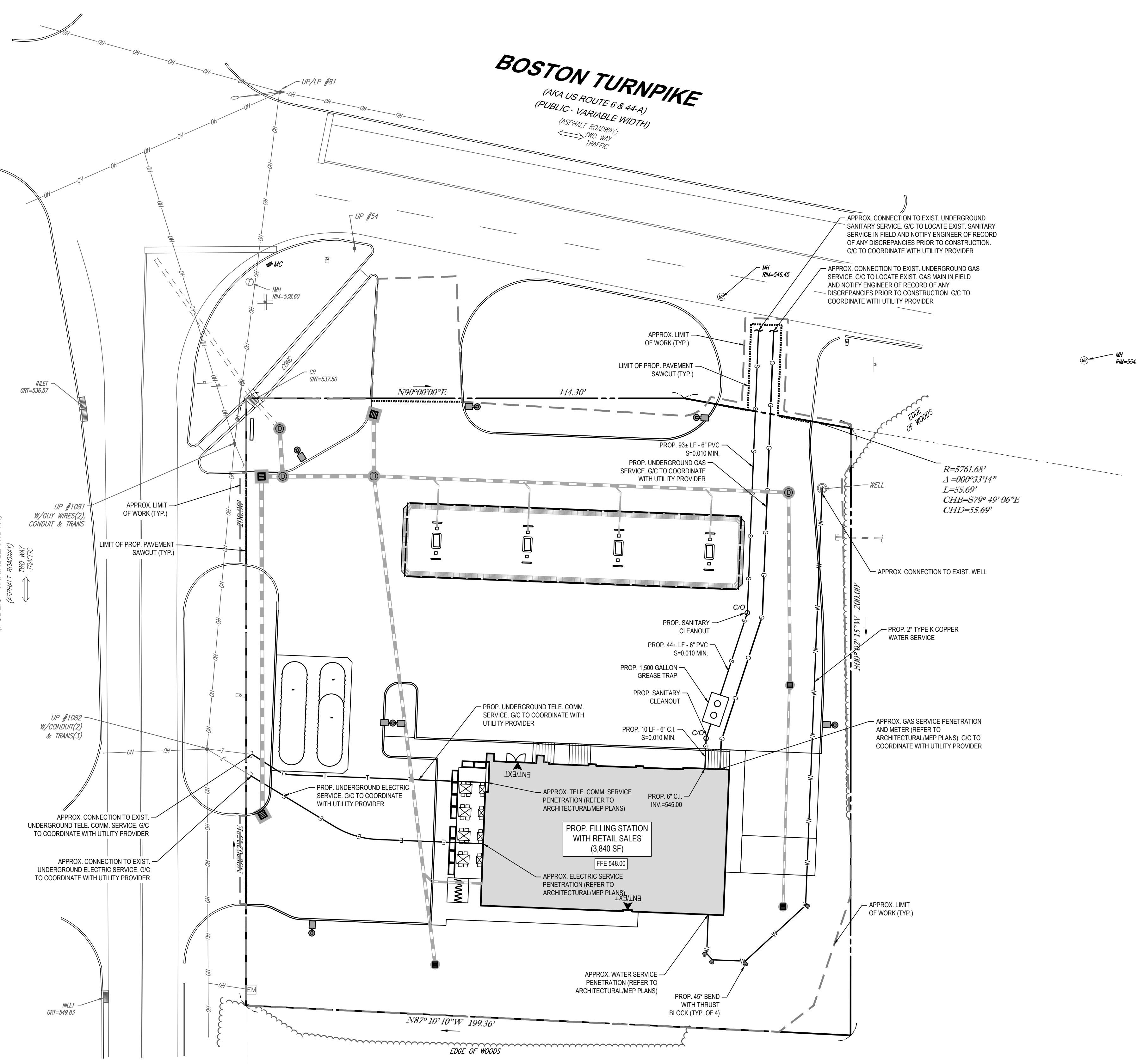




M/I  
RM=531.33

**BOLTON CENTER ROAD**  
(AKA CONNECTICUT STATE ROUTE 85)  
(PUBLIC - VARIABLE WIDTH)  
(ASPHALT ROADWAY)  
THRU WAY TRAFFIC

**BOSTON TURNPIKE**  
(AKA US ROUTE 6 & 44-A)  
(PUBLIC - VARIABLE WIDTH)  
(ASPHALT ROADWAY)  
THRU WAY TRAFFIC



UP #1082  
W/CONDUIT(2)  
& TRANS(3)

APPROX. CONNECTION TO EXIST. UNDERGROUND TELE. COMM. SERVICE. G/C TO COORDINATE WITH UTILITY PROVIDER

APPROX. CONNECTION TO EXIST. UNDERGROUND ELECTRIC SERVICE. G/C TO COORDINATE WITH UTILITY PROVIDER

APPROX. CONNECTION TO EXIST. UNDERGROUND SANITARY SERVICE. G/C TO LOCATE EXIST. SANITARY SERVICE IN FIELD AND NOTIFY ENGINEER OF RECORD OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION. G/C TO COORDINATE WITH UTILITY PROVIDER

APPROX. CONNECTION TO EXIST. UNDERGROUND GAS SERVICE. G/C TO LOCATE EXIST. GAS MAIN IN FIELD AND NOTIFY ENGINEER OF RECORD OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION. G/C TO COORDINATE WITH UTILITY PROVIDER

$R=5761.68'$   
 $\Delta=000^{\circ}33'14''$   
 $L=55.69'$   
 $CHD=579^{\circ}49'06''E$   
 $CHD=55.69'$

M/I  
RM=554.09

INLET  
GRI=536.57

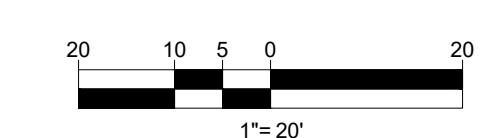
INLET  
GRI=548.83

$N87^{\circ}10'10''W$  199.36'

EDGE OF WOODS

APPROX. LIMIT OF WORK (TYP.)

**THIS PLAN TO BE UTILIZED FOR UTILITIES PURPOSES ONLY. REFER TO GENERAL NOTES SHEET FOR ADDITIONAL GRADING & UTILITY NOTES**



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PROJECT No.: W171113  
DRAWN BY: CPB  
CHECKED BY: LMD/ANP  
DATE: 04/12/2021  
CAD I.D.: W171113-CVL-0

PROJECT:  
**PROPOSED SITE PLAN DOCUMENTS**  
FOR  
**GLOBAL**  
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  
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SHEET TITLE:  
**UTILITY PLAN**

SHEET NUMBER:  
**C-501**

ORG. DATE - 04/12/2021





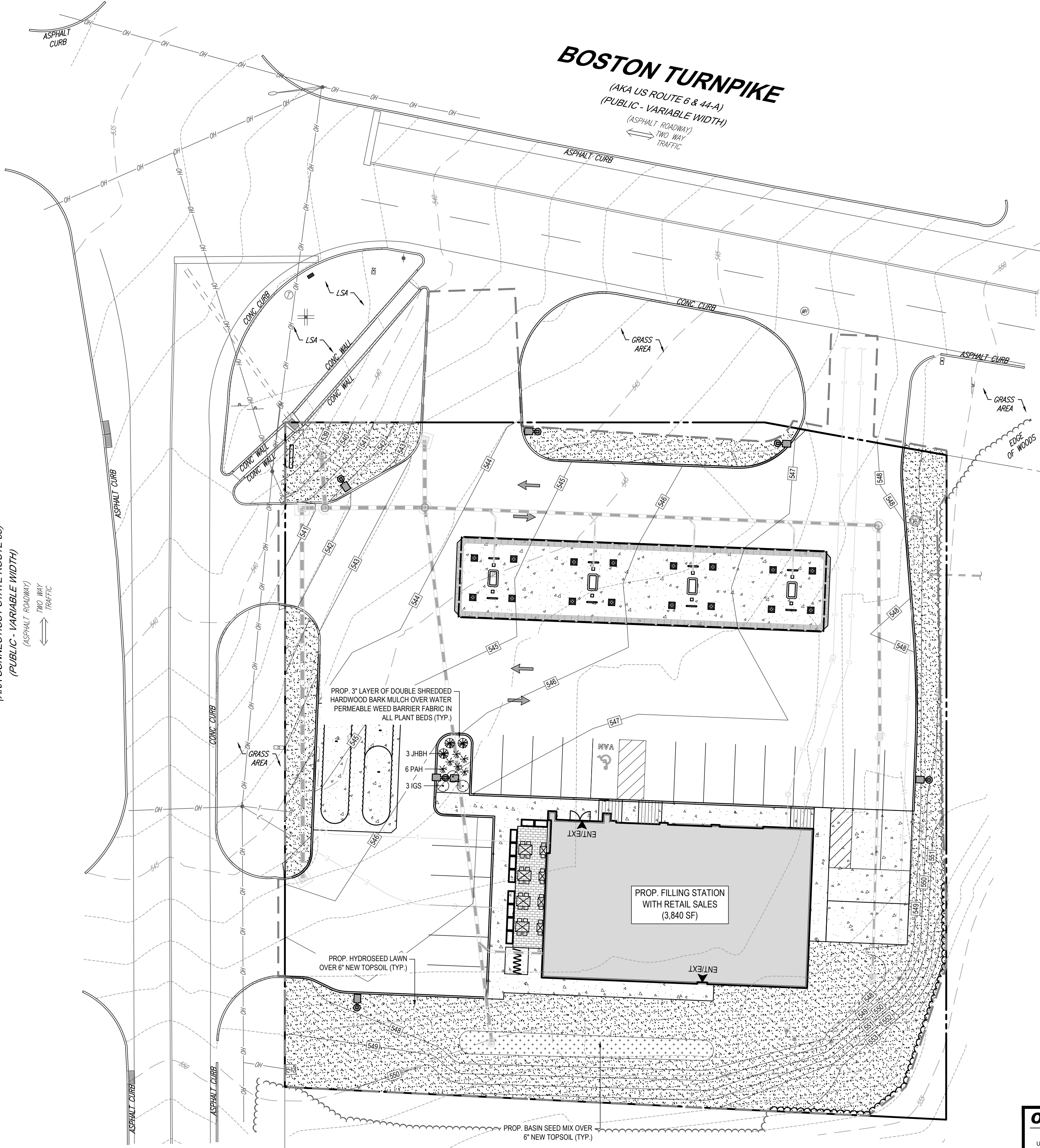








**BOLTON CENTER ROAD**  
(AKA CONNECTICUT STATE ROUTE 85)  
(PUBLIC - VARIABLE WIDTH)  
(ASPHALT ROADWAY)  
TWO WAY TRAFFIC



**BOSTON TURNPIKE**  
(AKA US ROUTE 6 & 44-A)  
(PUBLIC - VARIABLE WIDTH)  
(ASPHALT ROADWAY)  
TWO WAY TRAFFIC

LANDSCAPE SCHEDULE					
KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	CONT.
EVERGREEN SHRUBS					
IGS	3	ILEX GLABRA 'SHAMROCK'	SHAMROCK HOLLERY HOLLY	24-30"	9-B
SUBTOTAL: 3					
GROUND COVERS					
JHBH	3	JUNIPERUS HORIZONTALIS 'BAR HARBOR'	BAR HARBOR CREEPING JUNPER	15-18" SPRD.	CONTAINER
SUBTOTAL: 3					
ORNAMENTAL GRASSES					
PAH	6	PENNISETUM ALOPECUROIDES 'HAMELN'	DWARF FOUNTAIN GRASS	2 GAL.	CONTAINER
SUBTOTAL: 6					

**SEED MIX KEY**

PROPOSED HYDROSEED

PROPOSED BASIN SEED MIX

**REVISIONS**

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PROJECT No.: W171113  
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CHECKED BY: LMD/AWP  
DATE: 04/12/2021  
CAD I.D.: W171113-LND-0

**PROPOSED SITE PLAN DOCUMENTS**

FOR



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

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SHEET TITLE:

**LANDSCAPE PLAN**

SHEET NUMBER:

**C-701**

ORG. DATE - 04/12/2021

**OWNER MAINTENANCE RESPONSIBILITIES**

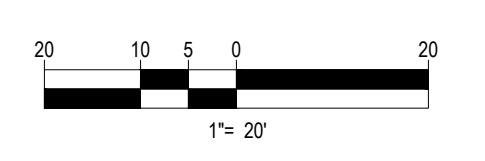
UPON OWNER'S (OR OWNER CONTRACTOR'S) COMPLETION OF LANDSCAPING WORK, THE OWNER IS FULLY RESPONSIBLE FOR ALL FUTURE MAINTENANCE, CARE, UPKEEP, WATERING, AND TRIMMING OF ALL INSTALLED VEGETATION, PLANTS, TREE, BUSHES, SHRUBS, GRASSES, GRASS, ORNAMENTAL PLANTS AND FLOWERS, FLOWERS, GROUND COVER, AND LANDSCAPING, INCLUDING ALL LANDSCAPE ISLANDS AND AREAS ADJACENT OR PART OF THE LANDSCAPED AREAS. THIS RESPONSIBILITY INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING:

- TREES ADJACENT TO WALKWAYS AND AREAS OF PEDESTRIAN TRAFFIC MUST BE MAINTAINED TO ASSURE THAT ANY BRANCHES MUST BE LIMBED UP TO A CLEARANCE HEIGHT OF 7 FT. (FROM ALL PEDESTRIAN SURFACES) OR PRUNED BACK TO AVOID ANY INTERFERENCE WITH THE TYPICAL PATH OF TRAVEL.
- TREES WITHIN VEHICULAR SIGHT LINES, AS ILLUSTRATED ON THE LANDSCAPE PLAN, ARE TO BE TRIMMED TO A CLEARANCE HEIGHT OF 7 FT. FROM ALL PAVED, TRAVELED SURFACES, OR AS OTHERWISE INDICATED ON THE PLANS.
- VEGETATIVE GROUND COVER, SHRUBS AND ORNAMENTAL PLANTS AND GRASSES MUST BE TRIMMED SO THAT NO PORTION OF THE PLANT EXCEEDS 30 INCHES ABOVE GRADE (OF ALL PAVED, TRAVEL SURFACES) ALONG AND WITHIN THE SIGHT LINES OF PARKING LOTS AND WALKWAYS.
- FALLEN PLANT FLOWERS, FRUIT, SEEDS AND DEBRIS DROPPINGS ARE TO BE REMOVED IMMEDIATELY FROM VEHICULAR AND PEDESTRIAN TRAFFIC AREAS TO PREVENT TRIPPING, SLIPPING OR ANY OTHER HAZARDS.

THESE REQUIREMENTS DO NOT AFFECT THE PLANT LIFE GUARANTEE THE LANDSCAPE CONTRACTOR IS REQUIRED TO PROVIDE.

**THIS PLAN TO BE UTILIZED FOR LANDSCAPE PURPOSES ONLY**

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





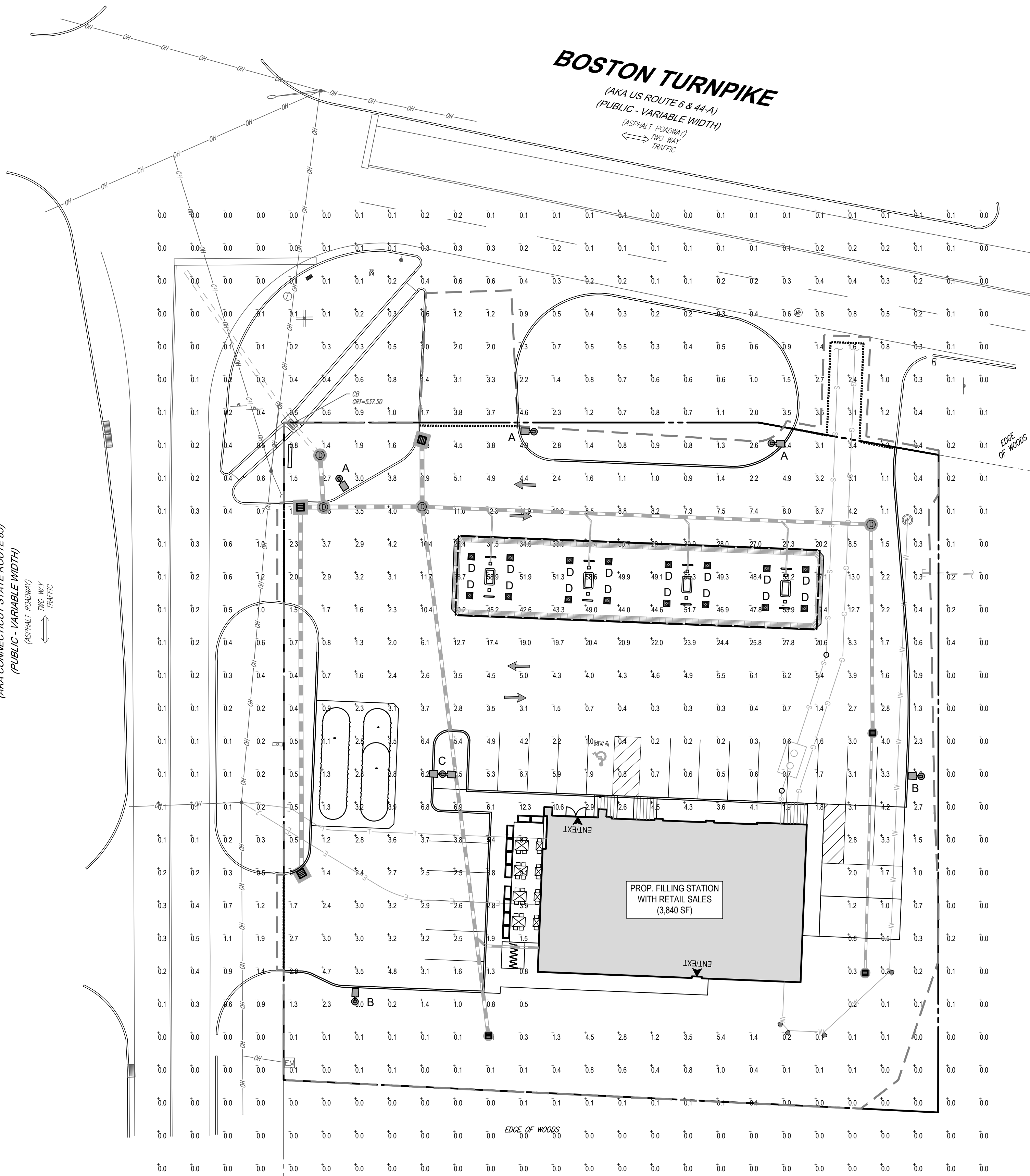






**BOLTON CENTER ROAD**  
(AKA CONNECTICUT STATE ROUTE 85)  
(PUBLIC - VARIABLE WIDTH)  
(ASPHALT ROADWAY)  
TWO WAY TRAFFIC

**BOSTON TURNPIKE**  
(AKA US ROUTE 6 & 44-A)  
(PUBLIC - VARIABLE WIDTH)  
(ASPHALT ROADWAY)  
TWO WAY TRAFFIC



**LIGHTING NOTES**

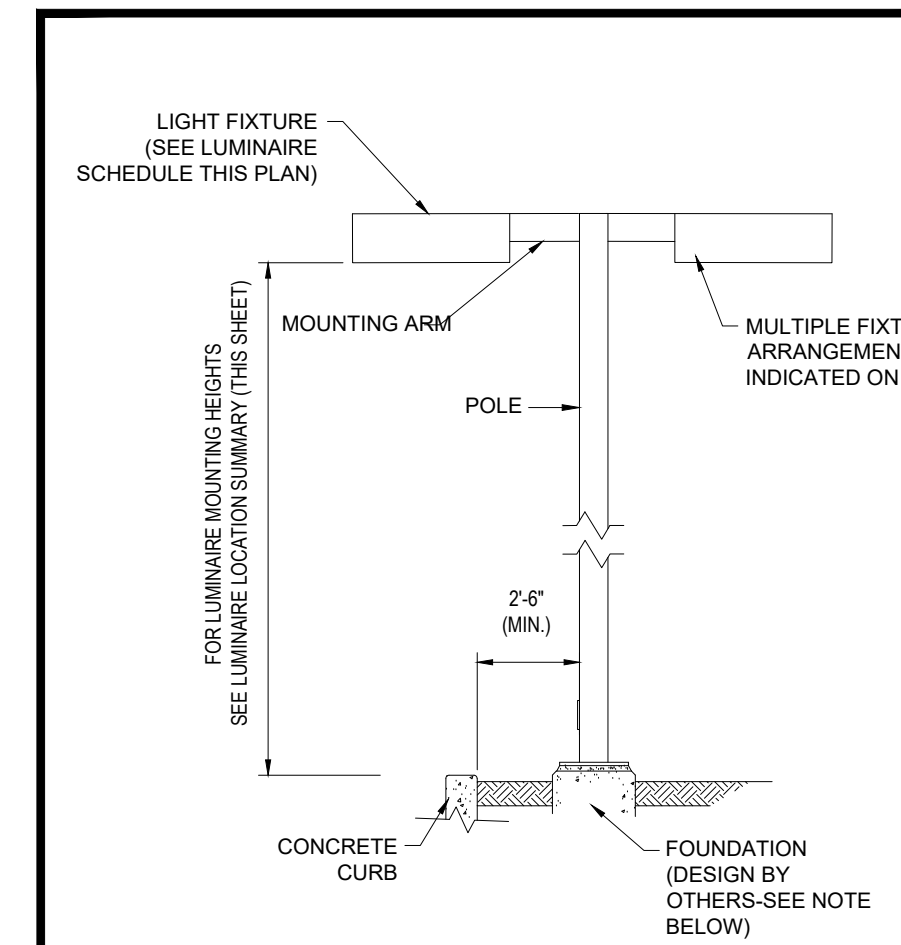
1. THIS LIGHTING PLAN DEPICTS PROPOSED SUSTAINED ILLUMINATION LEVELS CALCULATED USING DATA PROVIDED BY THE NOTED MANUFACTURER(S). ACTUAL SUSTAINED SITE ILLUMINATION LEVELS AND PERFORMANCE OF LUMINAIRES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, THE SERVICE LIFE OF EQUIPMENT AND LUMINAIRES AND OTHER RELATED VARIABLE FIELD CONDITIONS.
2. 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 FOOTCANDELES.
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.
7. CONTRACTOR MUST BRING TO DESIGNER'S ATTENTION PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, ANY LIGHT LOCATIONS THAT CONFLICT WITH DRAINAGE, UTILITIES, OR OTHER STRUCTURES.
8. 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.
9. 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	CALC TYPE	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
⊙ A	3	SINGLE	5996	0.90	CREE, INC. LED AREA LIGHT MOUNTED @ 20' ARE-EDG-3MB-XX-04-E-UL-XX-700-5TK
⊙ B	2	SINGLE W/ SHIELD	5996	0.90	CREE, INC. LED AREA LIGHT MOUNTED @ 20' ARE-EDG-3MB-XX-04-E-UL-XX-700-5TK
⊙ C	1	DOUBLE @ 180	5996	0.90	CREE, INC. LED AREA LIGHT MOUNTED @ 20' ARE-EDG-3MB-XX-04-E-UL-XX-700-5TK
⊙ D	16	CANOPY	13251	0.90	CREE, INC. LED CANOPY LIGHT MOUNTED @ 15' CAN-304-SL-XX-06-E-UL-XX-700-5TK

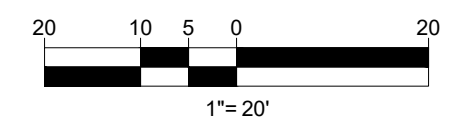


**AREA LIGHT DETAIL** N.T.S.

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.

**THIS PLAN TO BE UTILIZED FOR LIGHTING PURPOSES ONLY**



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PROJECT No.: W171113  
DRAWN BY: CPB  
CHECKED BY: LMD/AWP  
DATE: 04/12/2021  
CAD ID: W171113-CVL-0

PROJECT:

**PROPOSED SITE PLAN DOCUMENTS**

FOR  
**GLOBAL**  
PROPOSED DEVELOPMENT  
MAP #7, LOT # 74  
129 BOSTON TURNPIKE  
TOWN OF BOLTON,  
TOLLAND COUNTY  
CONNECTICUT

**BOHLER**  
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SOUTHBOROUGH, MA 01772  
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**J.G. SWERLING**  
REGISTERED PROFESSIONAL ENGINEER  
MAINE LICENSE NO. 146095  
NEW HAMPSHIRE LICENSE NO. 3816  
CONNECTICUT LICENSE NO. 38785  
RHODE ISLAND LICENSE NO. 11425

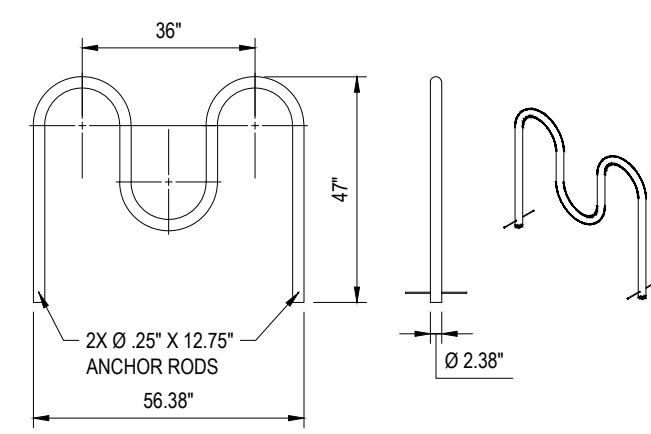
SHEET TITLE:

**LIGHTING PLAN**

SHEET NUMBER:  
**C-703**

ORG. DATE - 04/12/2021

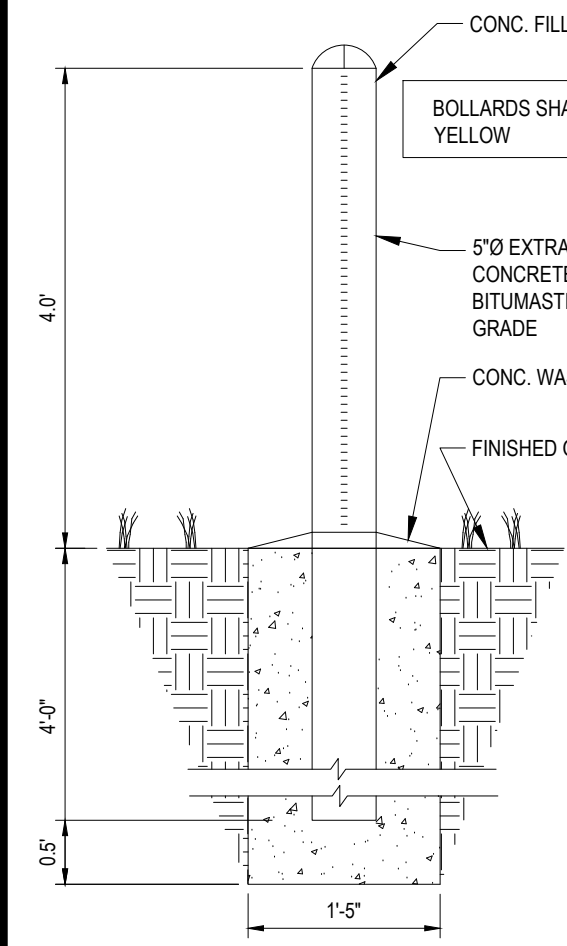




NOTE:  
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

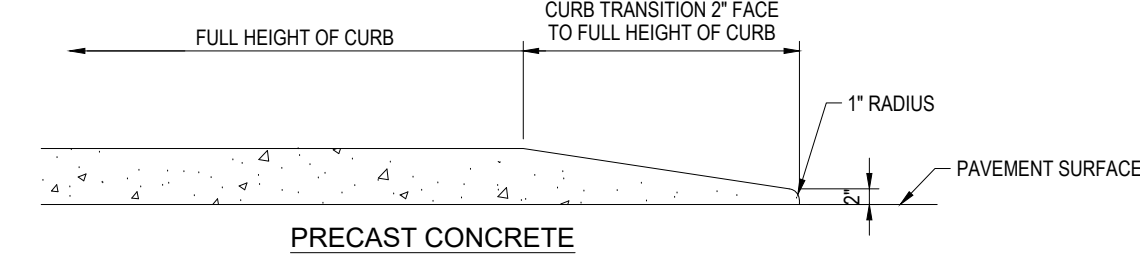
**BIKE RACK**

N.T.S.



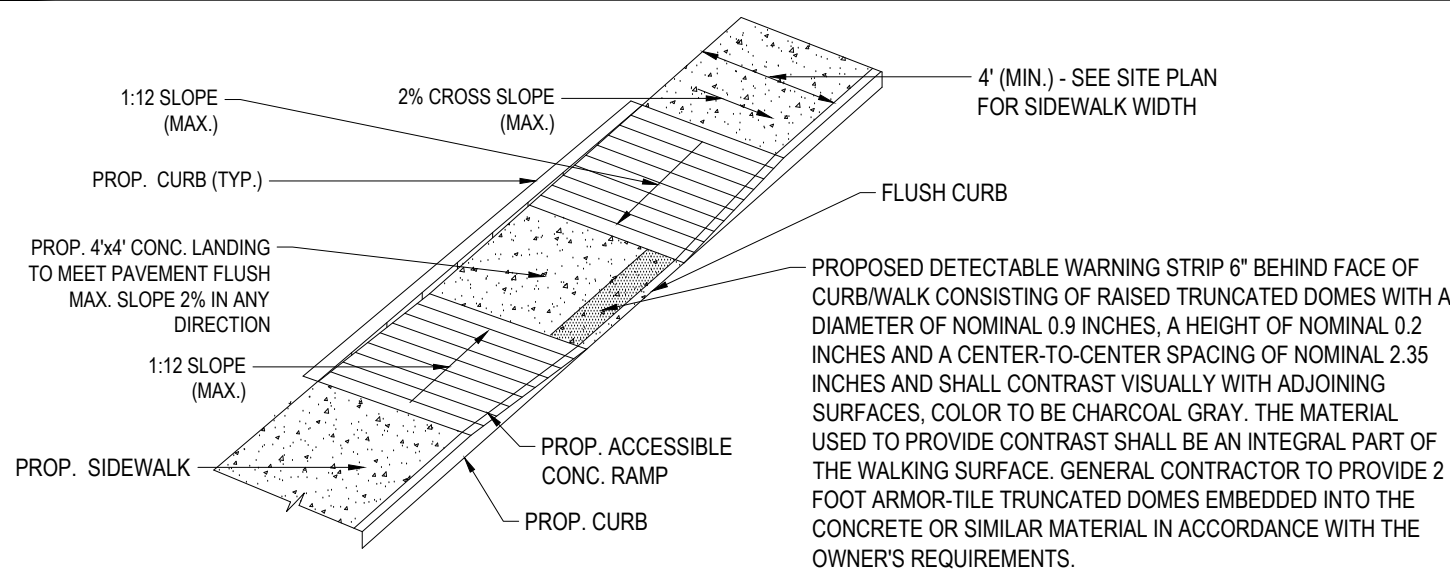
**BOLLARD DETAIL**

N.T.S.



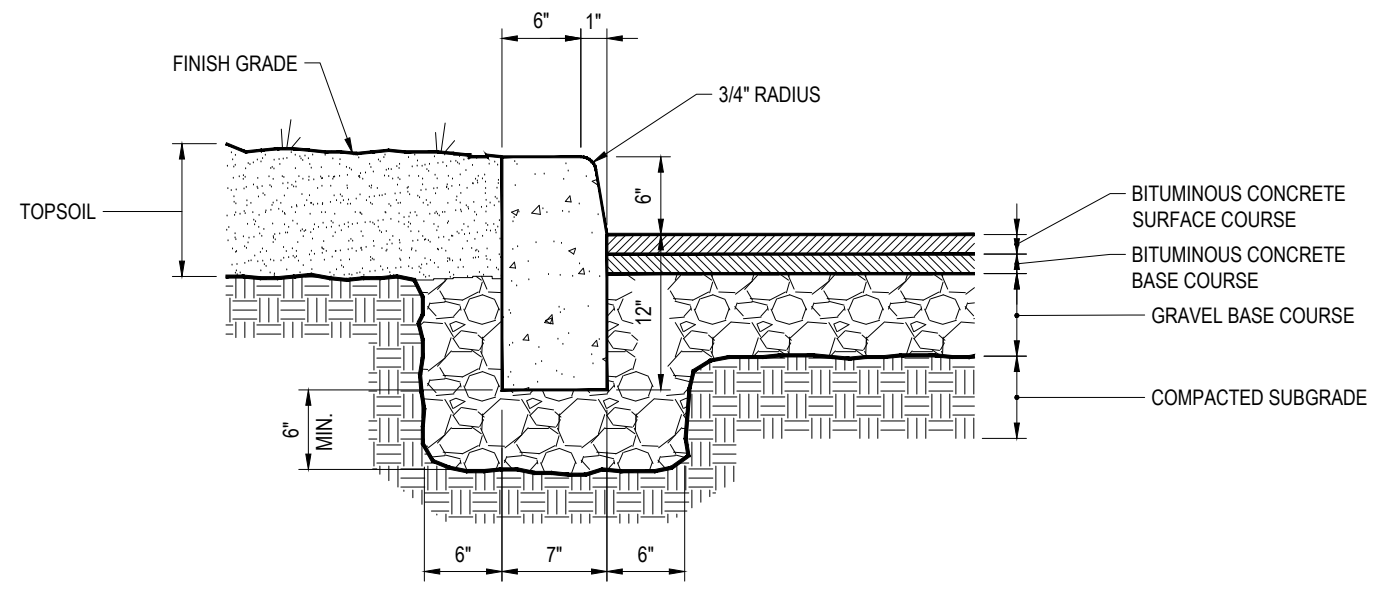
**TRANSITION CURB**

N.T.S.



**ACCESSIBLE RAMP**

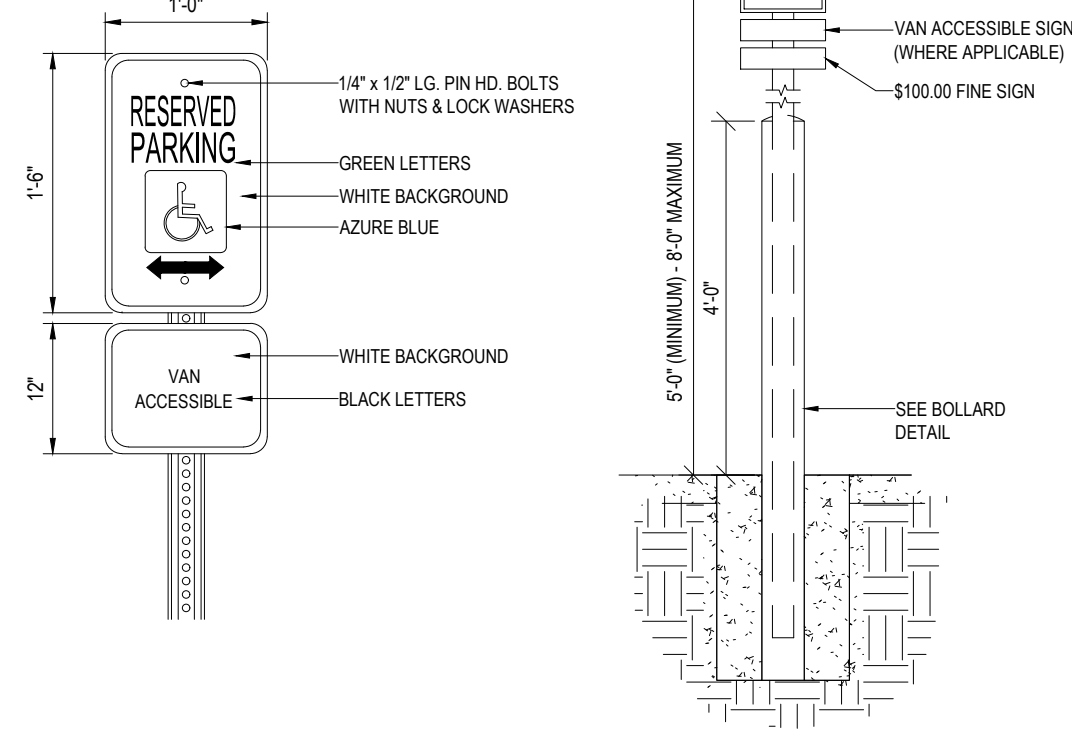
N.T.S.



- NOTE:
- CURB SHALL CONSIST OF 4,000 PSI AIR ENTRAINED CONCRETE, EXPOSED EDGES TO HAVE RUBBED FINISH AND SURFACE SHALL BE TREATED WITH A CONCRETE PENETRANT/SEALER.
  - THE ENDS OF CURB SECTIONS SHALL BE CHAMFERED 1/4 INCH.
  - THE CORNERS OF CURB SECTIONS SHALL MATCH THE ADJACENT CURB IN SIZE, COLOR AND FINISH.
  - CURBS, CURB CORNERS OR EDGING SHALL BE FITTED TOGETHER AS CLOSELY AS POSSIBLE.
  - EXPANSION JOINTS SHALL BE INSTALLED AT A MAXIMUM OF TWENTY FEET (20') ON CENTER USING PREFORMED EXPANSION JOINT FILLER HAVING A THICKNESS OF 1/2 INCH.

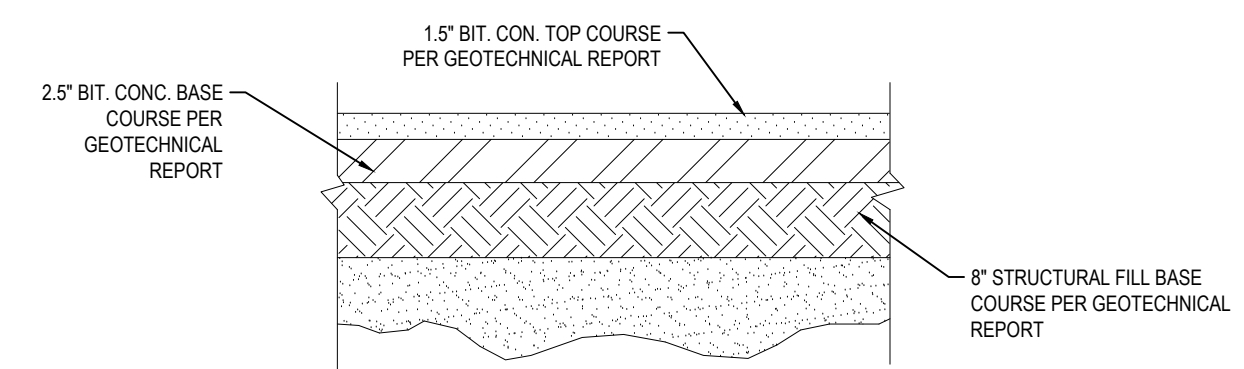
**PRECAST CONCRETE CURB**

N.T.S.



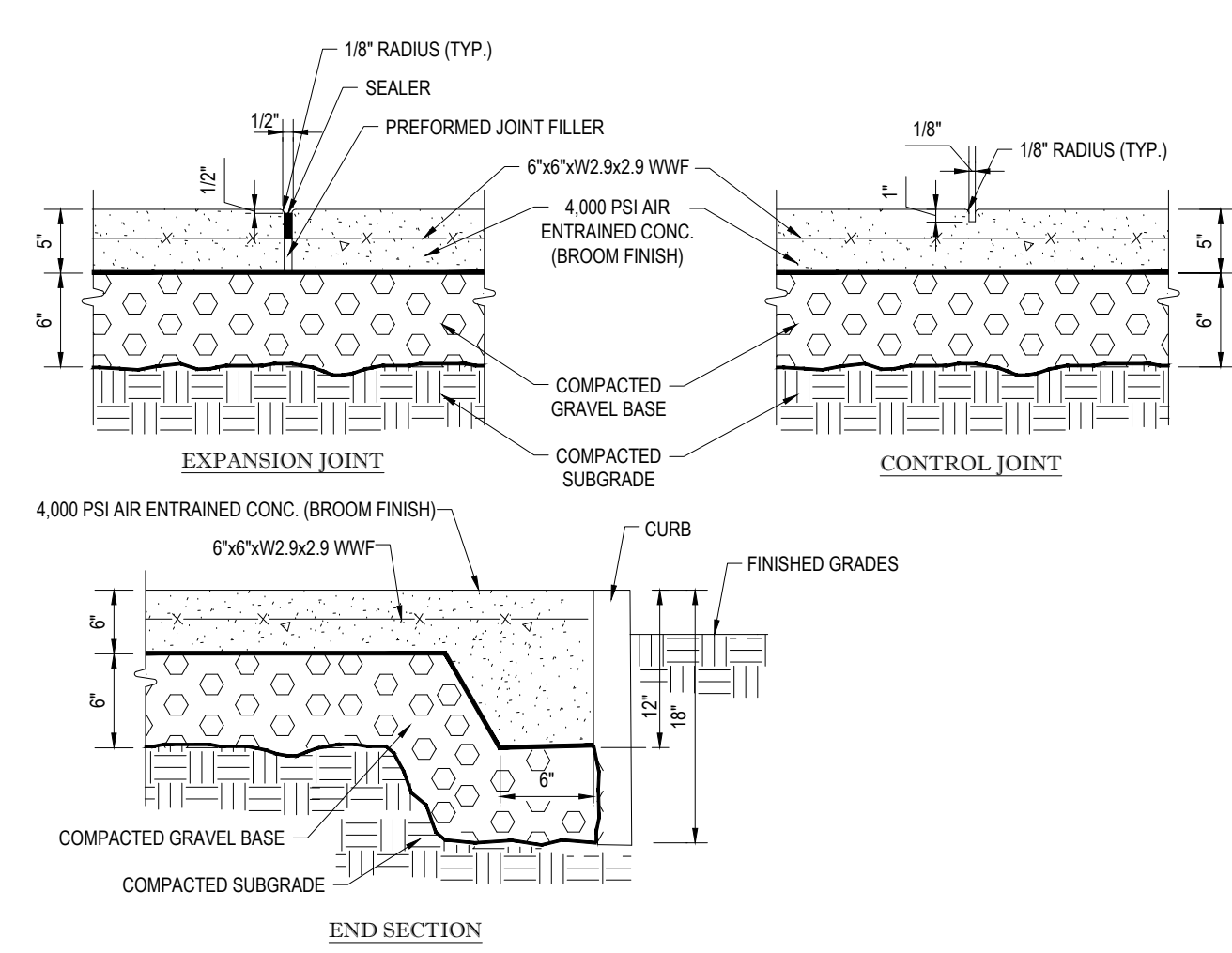
**ACCESSIBLE PARKING SIGN W/ BOLLARD DETAIL**

N.T.S.



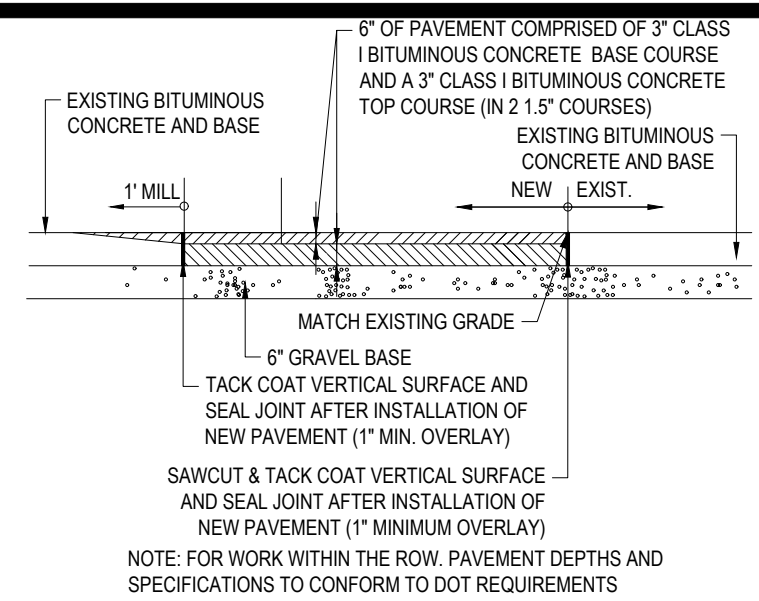
**TYPICAL PAVEMENT SECTION**

N.T.S.



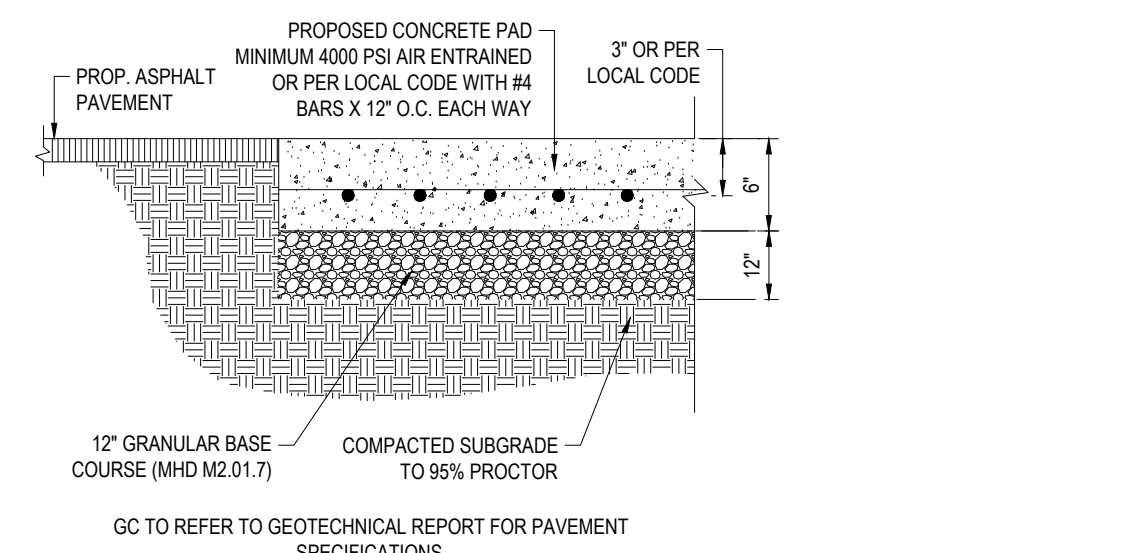
**TYPICAL CONCRETE SIDEWALK**

N.T.S.



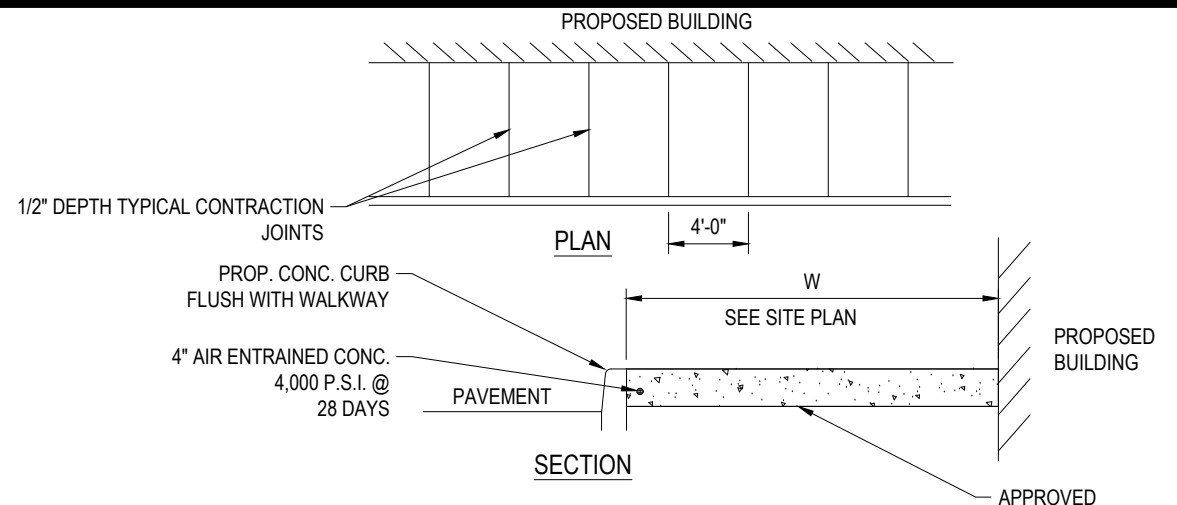
**ROADWAY PATCHING**

N.T.S.



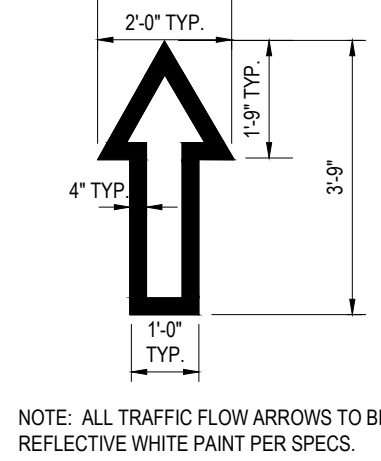
**CONCRETE DUMPSTER PAD**

N.T.S.



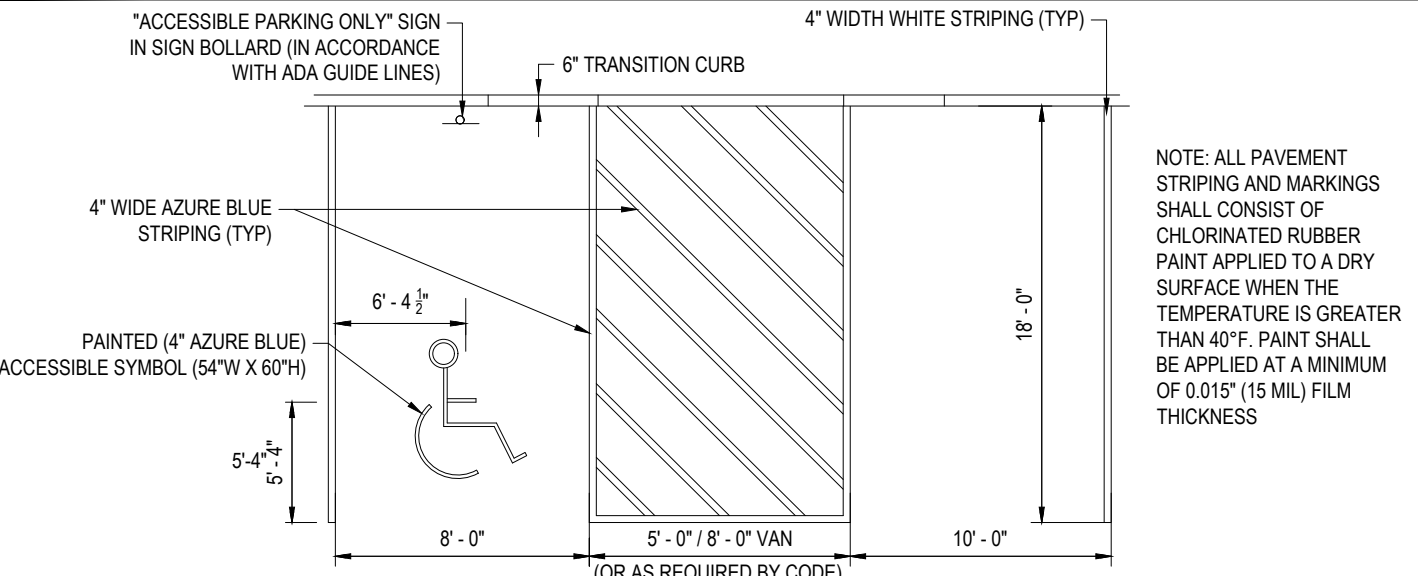
**SIDEWALK**

N.T.S.



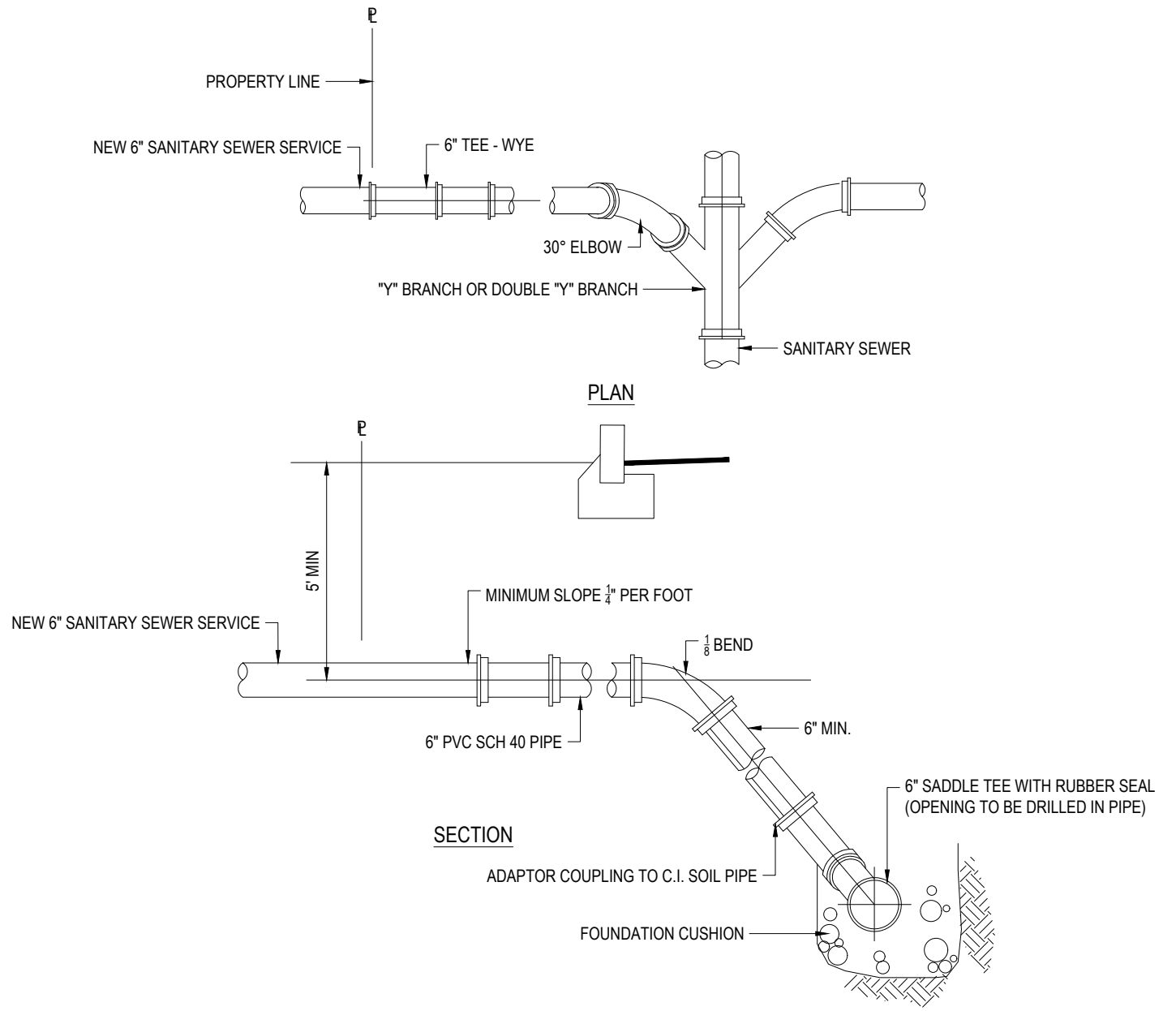
**TRAFFIC FLOW ARROW**

N.T.S.



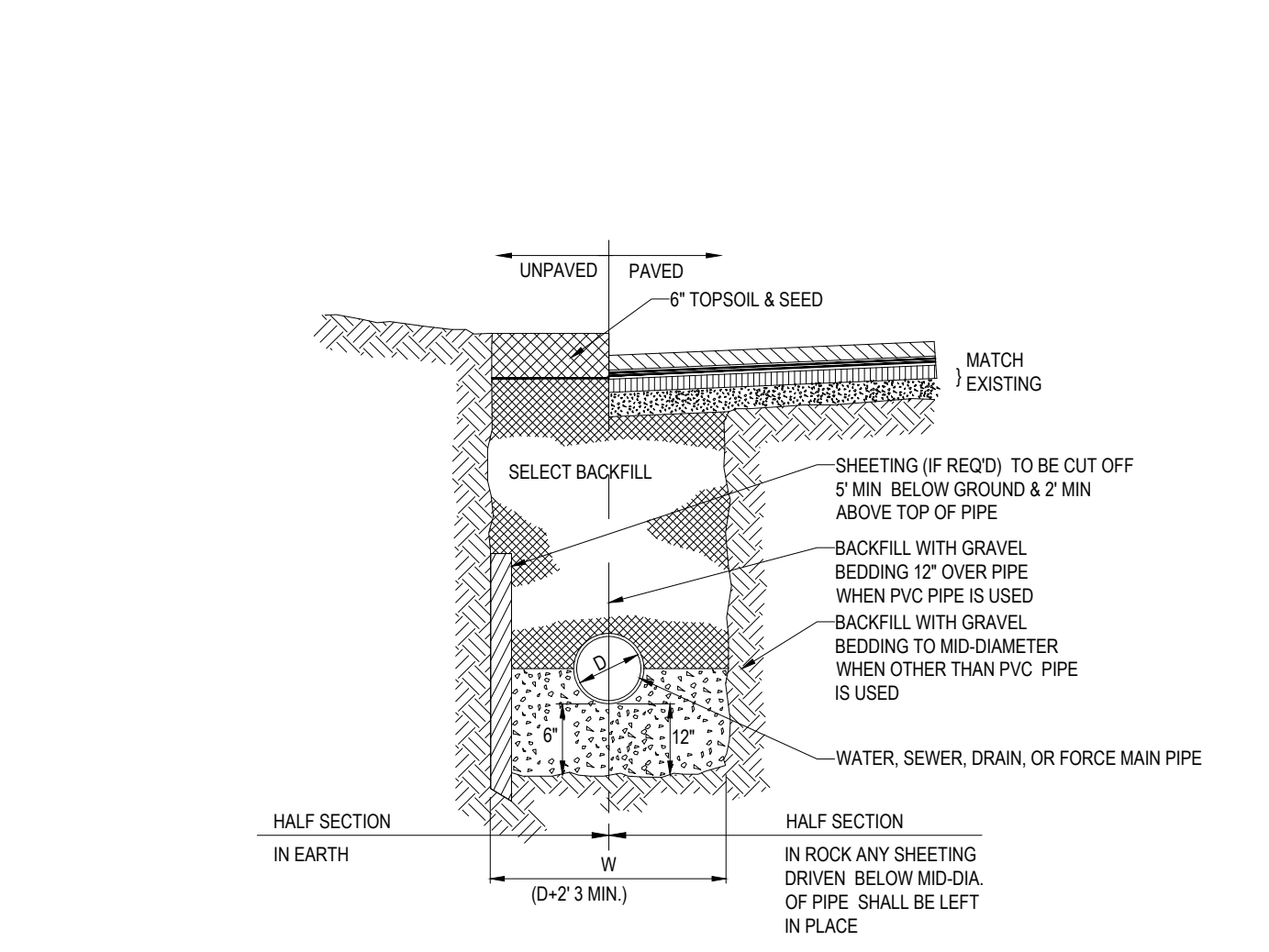
**HANDICAPPED STALL MARKINGS & PARKING LOT STRIPING DETAIL**

N.T.S.



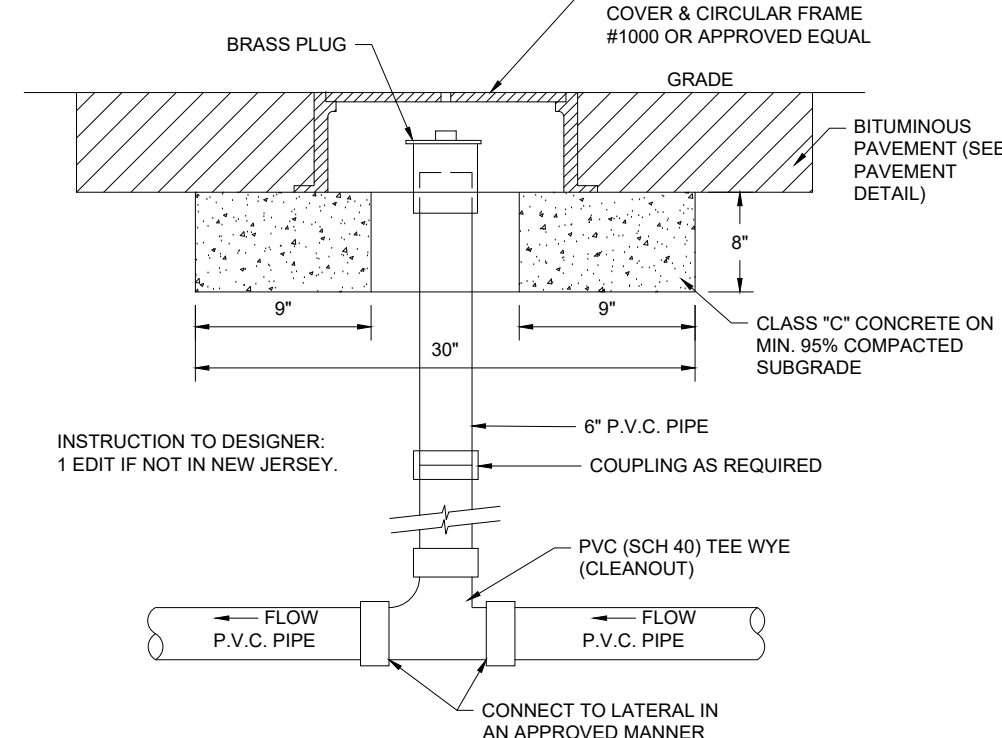
**STANDARD SERVICE CONNECTION**

N.T.S.



**TYPICAL UTILITY TRENCH**

N.T.S.



**SANITARY CLEAN OUT**

N.T.S.

**BOHLER**  
SITE CIVIL AND CONSULTING ENGINEERING  
PROGRAM MANAGEMENT  
LANDSCAPE ARCHITECTURE  
SUSTAINABLE DESIGN  
PERMITTING SERVICES  
TRANSPORTATION SERVICES

**REVISIONS**

REV	DATE	COMMENT	DRAWN BY	CHECKED BY

**811**  
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ALWAYS CALL 811  
It's fast. It's free. It's the law.

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PROJECT No.: W171113  
DRAWN BY: CPB  
CHECKED BY: LMD/AWP  
DATE: 04/12/2021  
CAD ID: W171113-CVL-0

**PROPOSED SITE PLAN DOCUMENTS**

**GLOBAL**

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

**J.G. SWERLING**  
PROFESSIONAL ENGINEER  
MASS. REG. NO. 14695  
NEW HAVEN, CT  
CONNECTICUT LICENSE NO. 38785  
RHODE ISLAND LICENSE NO. 11425

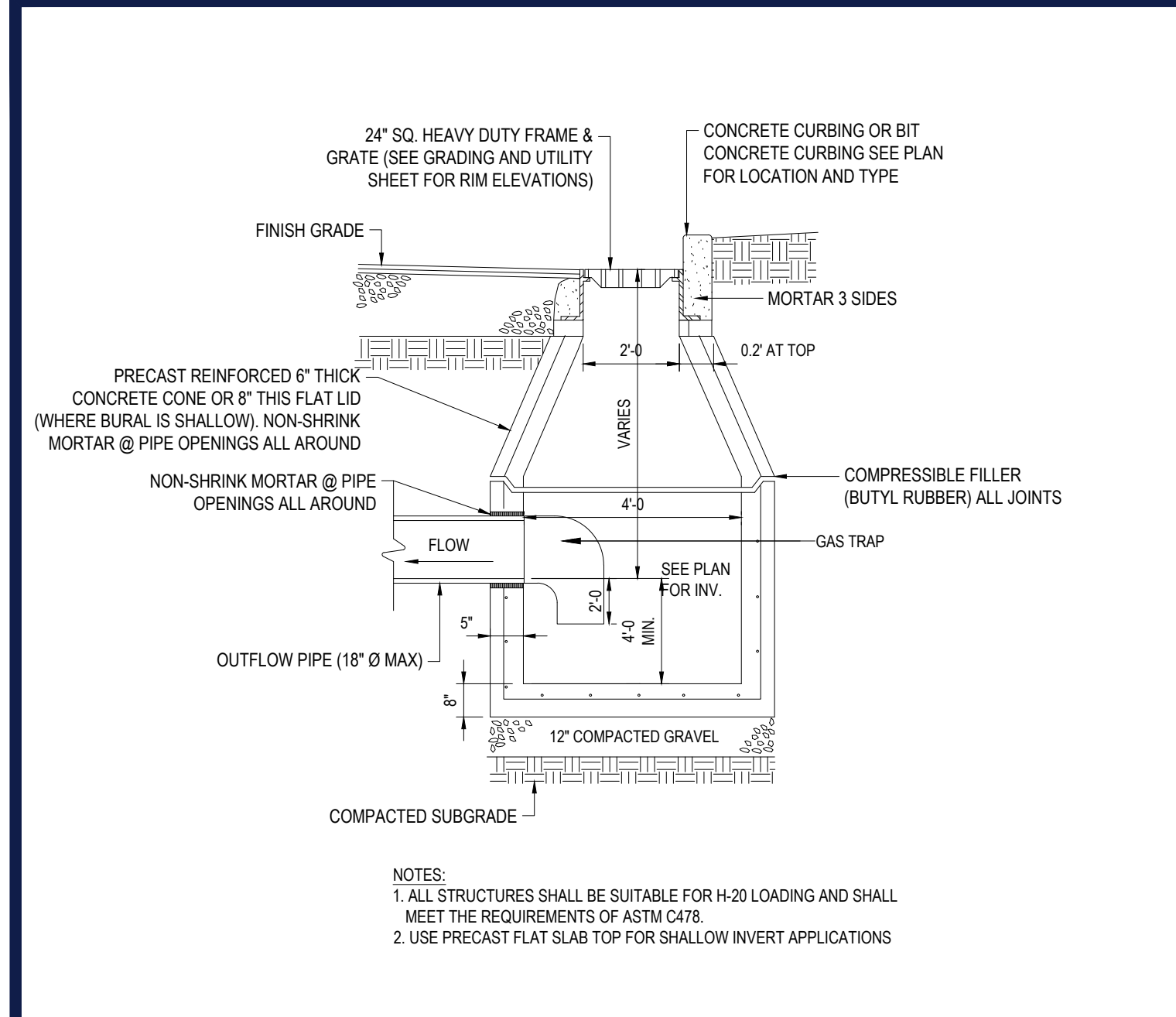
**DETAIL SHEET**

SHEET NUMBER:  
**C-901**

ORG. DATE - 04/12/2021

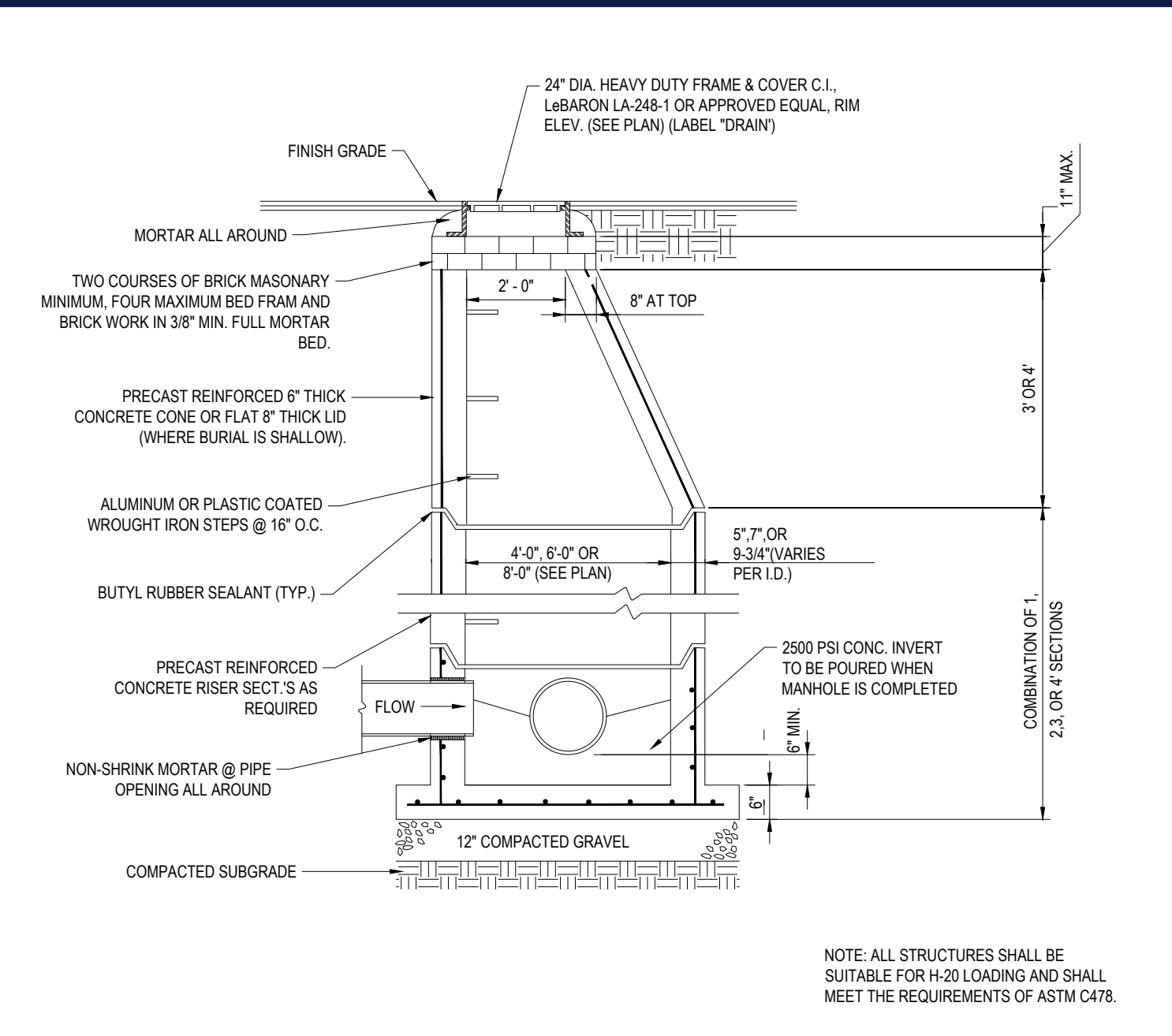
C:\PROGRAMDATA\BOHLER\2022\TEMP\PACK\PIBL\1848\W17113-CVL-0-1-JAY\OUT\_CPHI.DWT





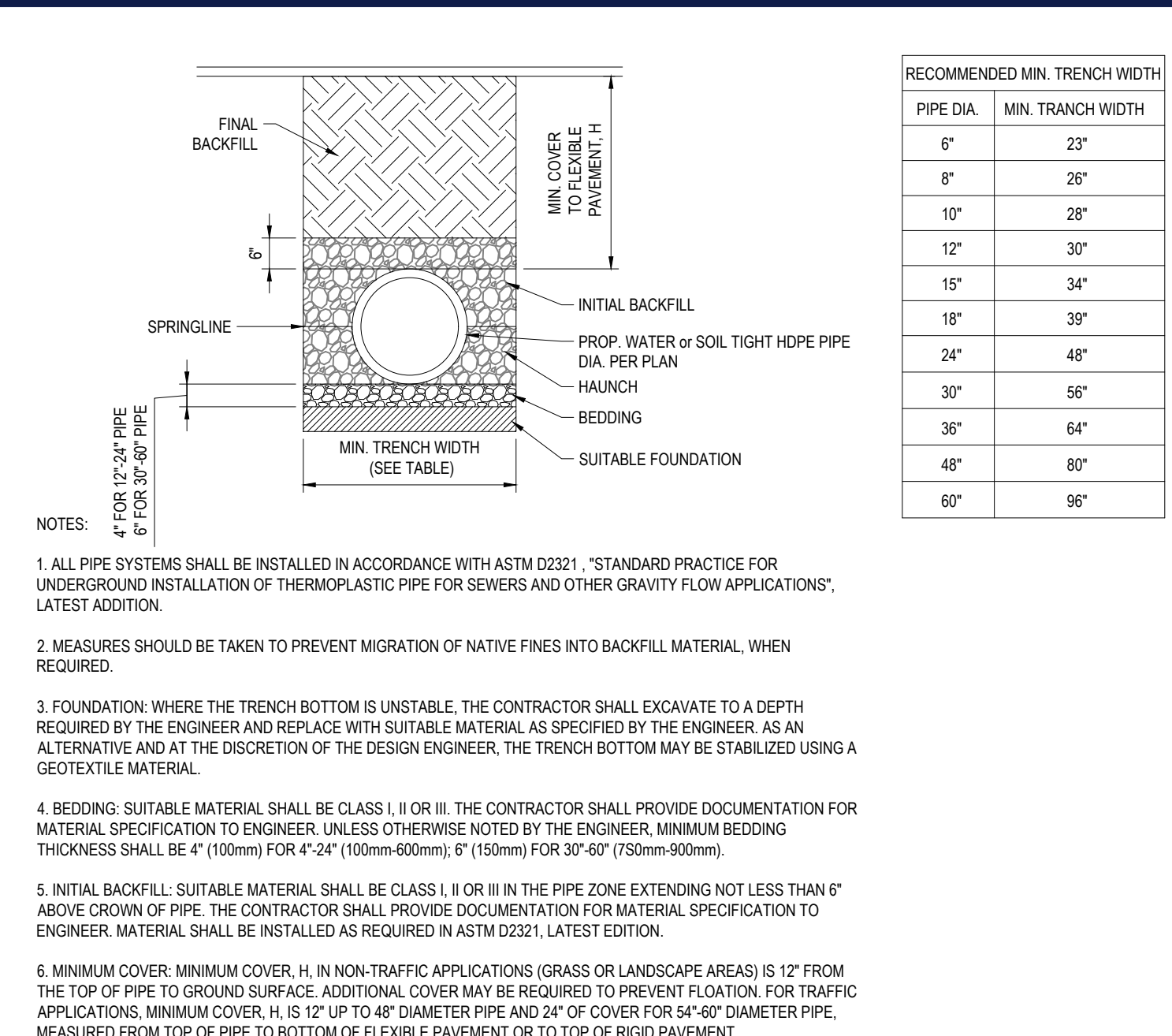
**PRECAST CONCRETE DEEP SUMP CATCH BASIN**

N.T.S.



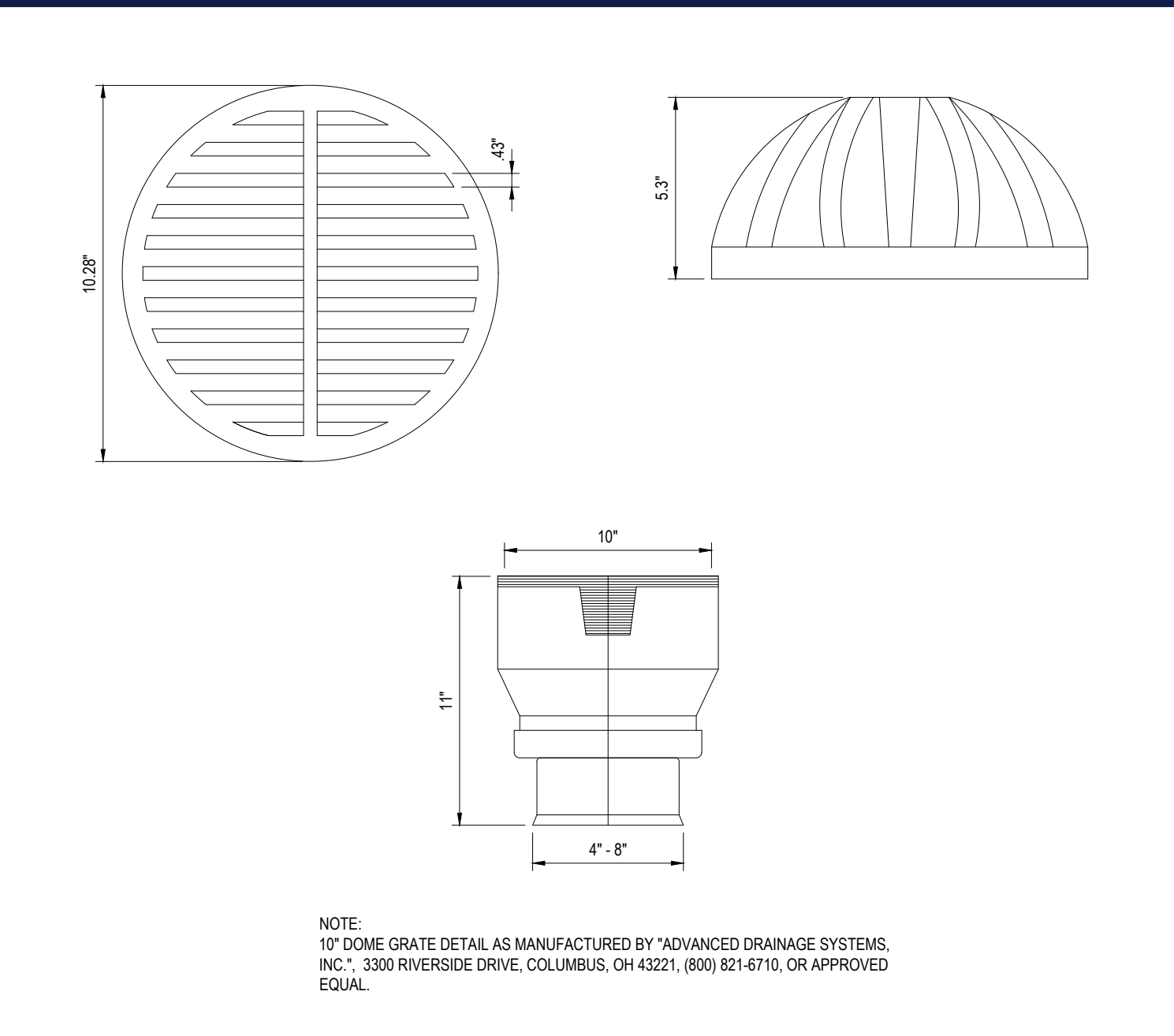
**PRECAST CONCRETE STORM DRAIN MANHOLE**

N.T.S.



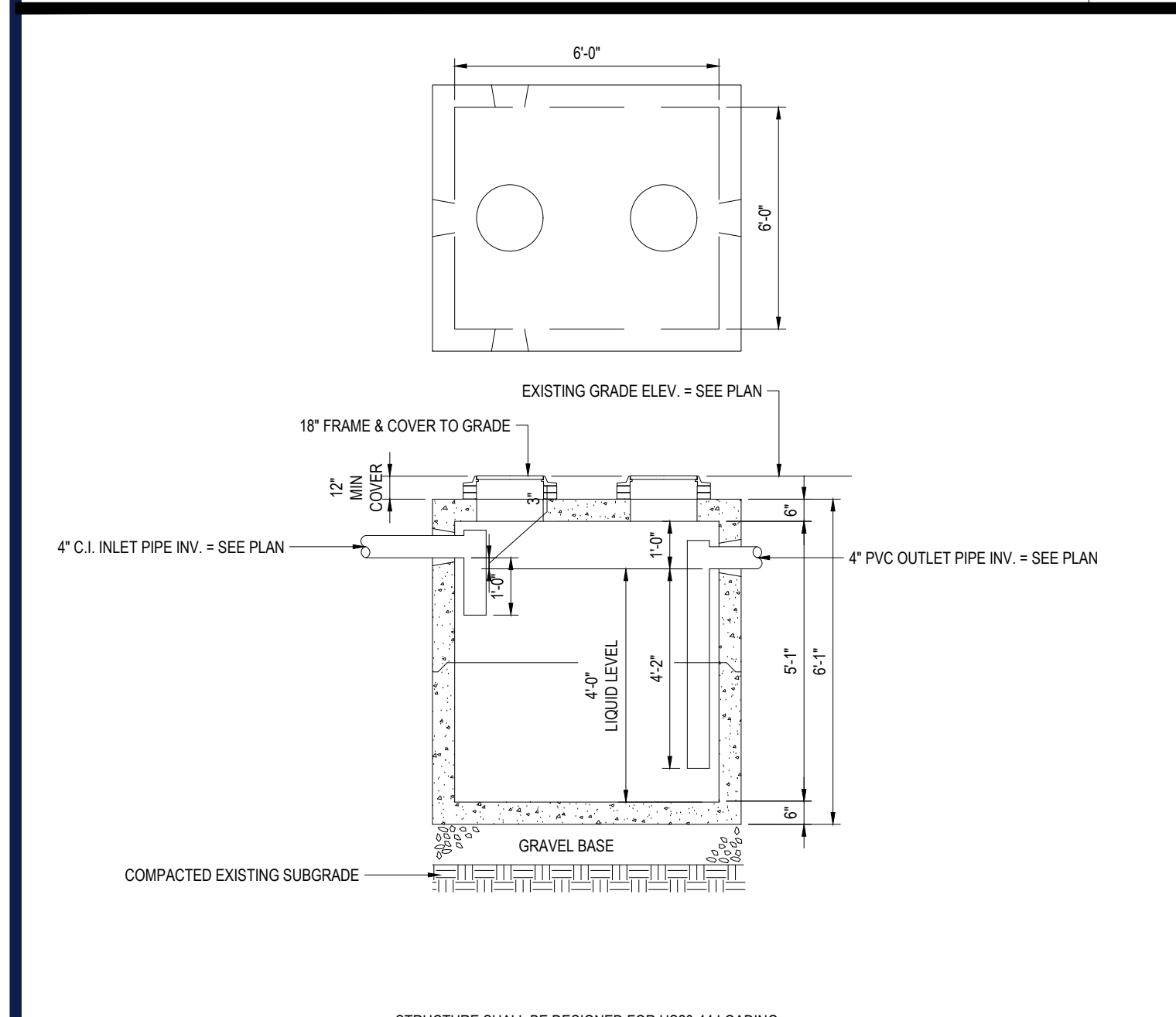
**HDPE STORM DRAINAGE TRENCH**

N.T.S.



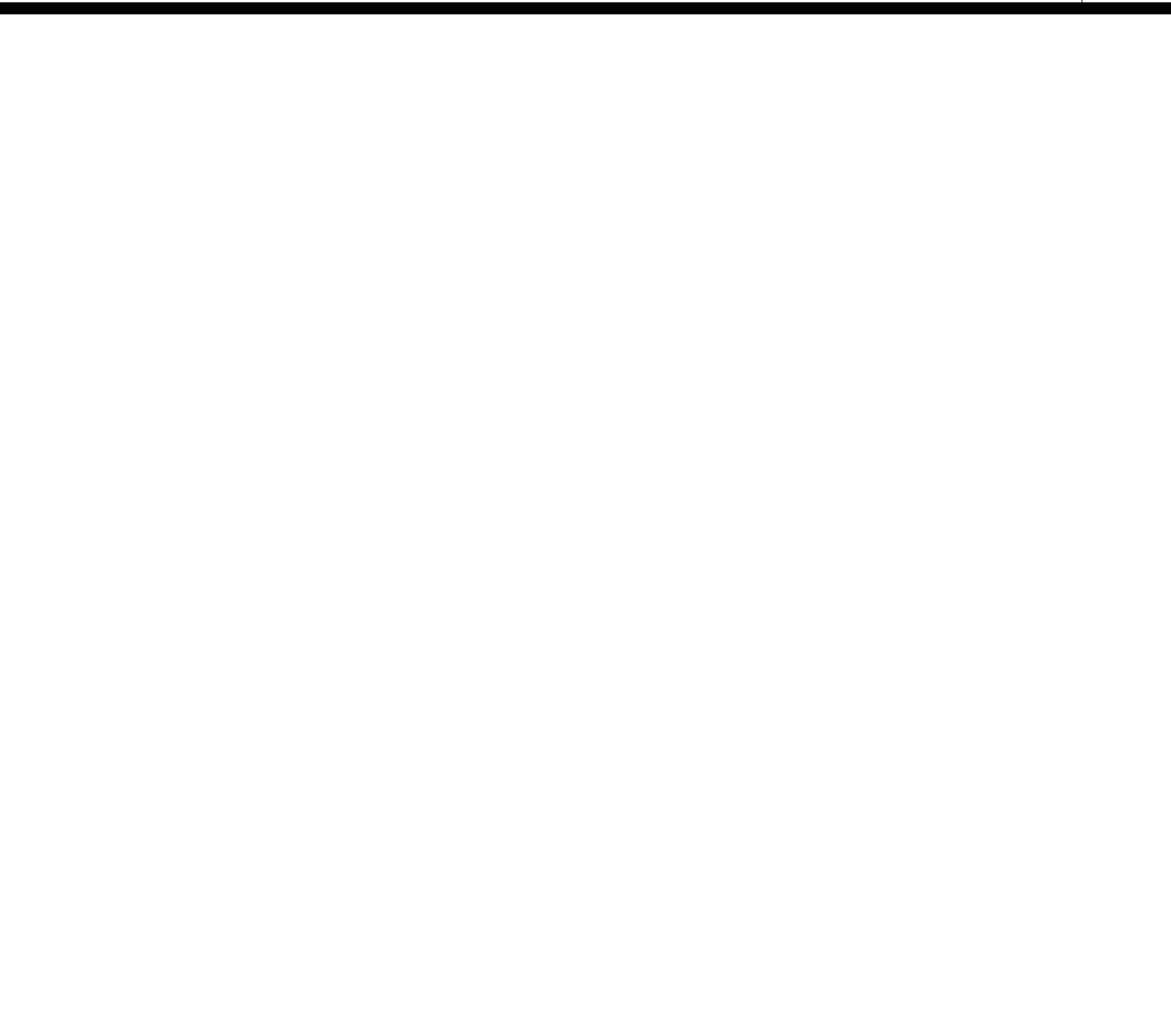
**YARD DRAIN**

N.T.S.

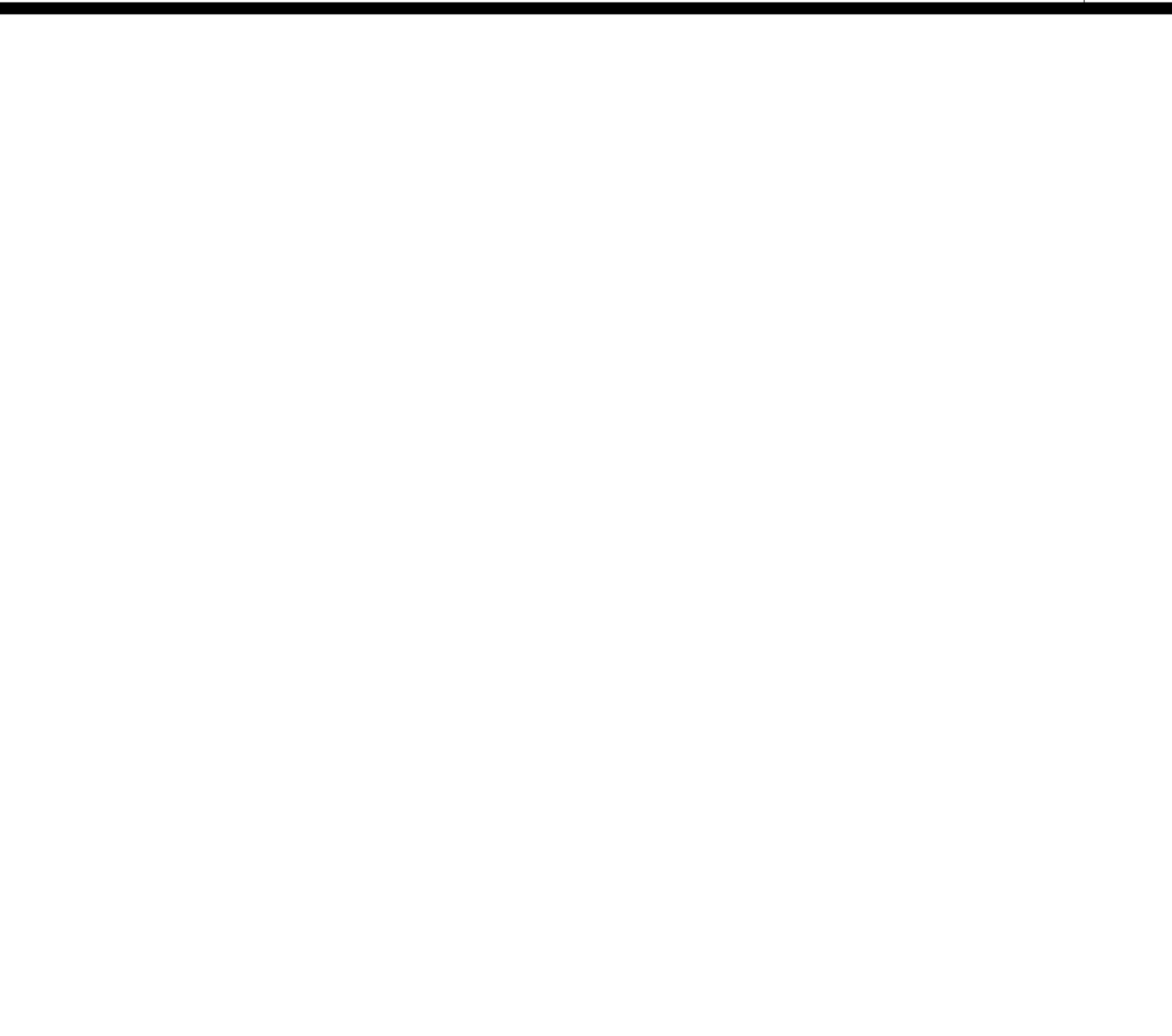


**PRECAST GREASE TRAP 1500 GALLON/HEAVY DUTY**

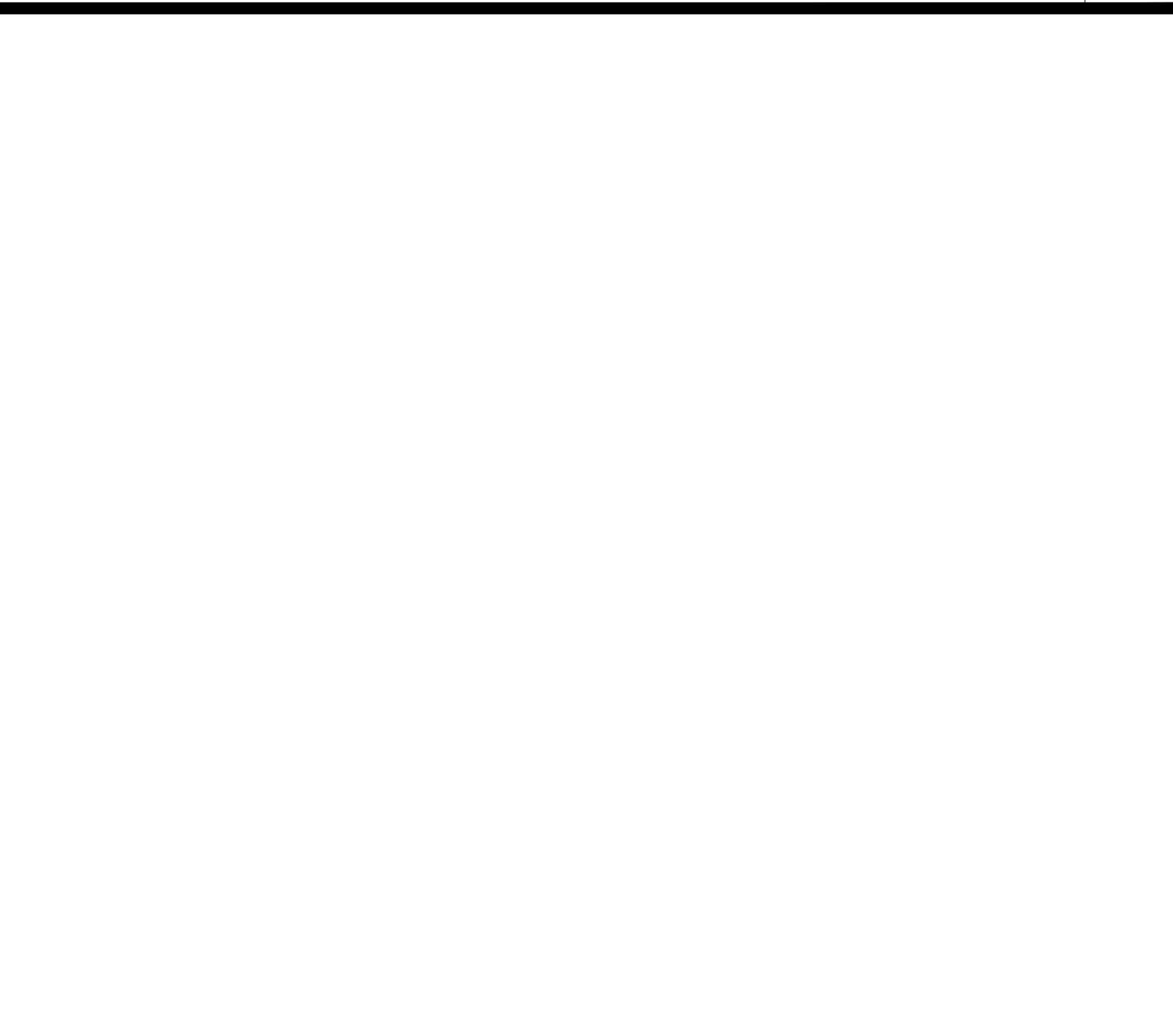
N.T.S.



N.T.S.



N.T.S.



N.T.S.

**BOHLER**  
 SITE CIVIL AND CONSULTING ENGINEERING  
 PROGRAM MANAGEMENT  
 LANDSCAPE ARCHITECTURE  
 SUSTAINABLE DESIGN  
 PERMITTING SERVICES  
 TRANSPORTATION SERVICES

**REVISIONS**

REV	DATE	COMMENT	DRAWN BY	CHECKED BY

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PROJECT No.: W171113  
 DRAWN BY: CPB  
 CHECKED BY: LMD/AWP  
 DATE: 04/12/2021  
 CAD ID: W171113-CVL-0

PROJECT:

**PROPOSED SITE PLAN DOCUMENTS**

FOR



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  
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SHEET TITLE:

**DETAIL SHEET**

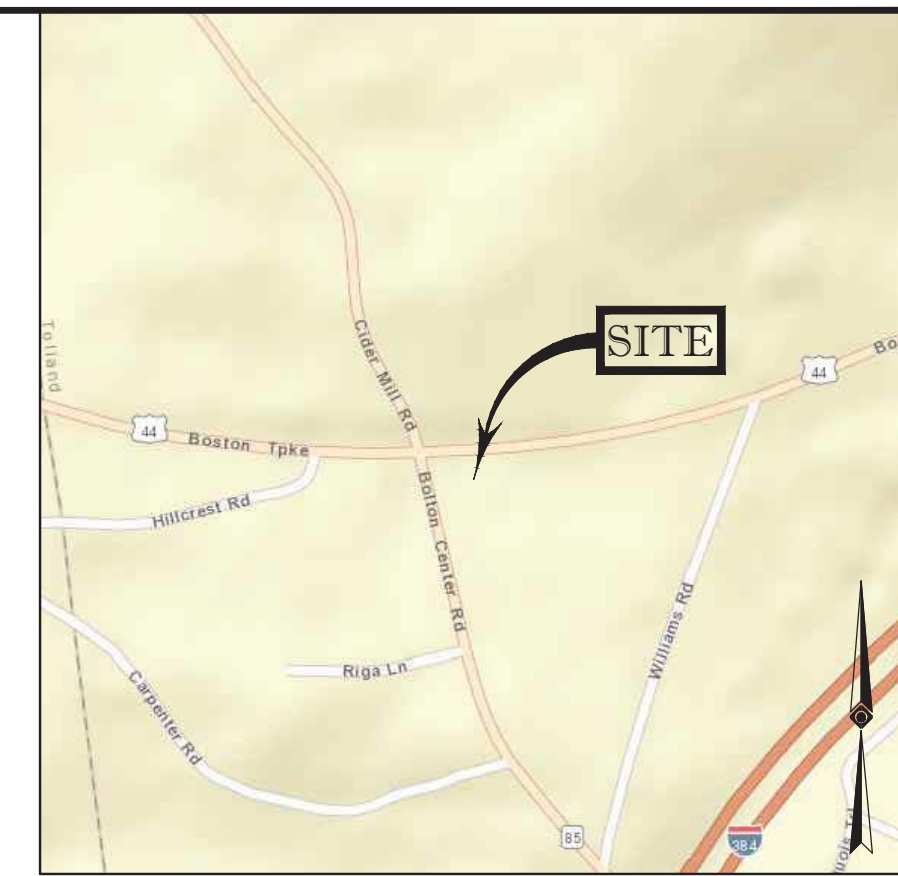
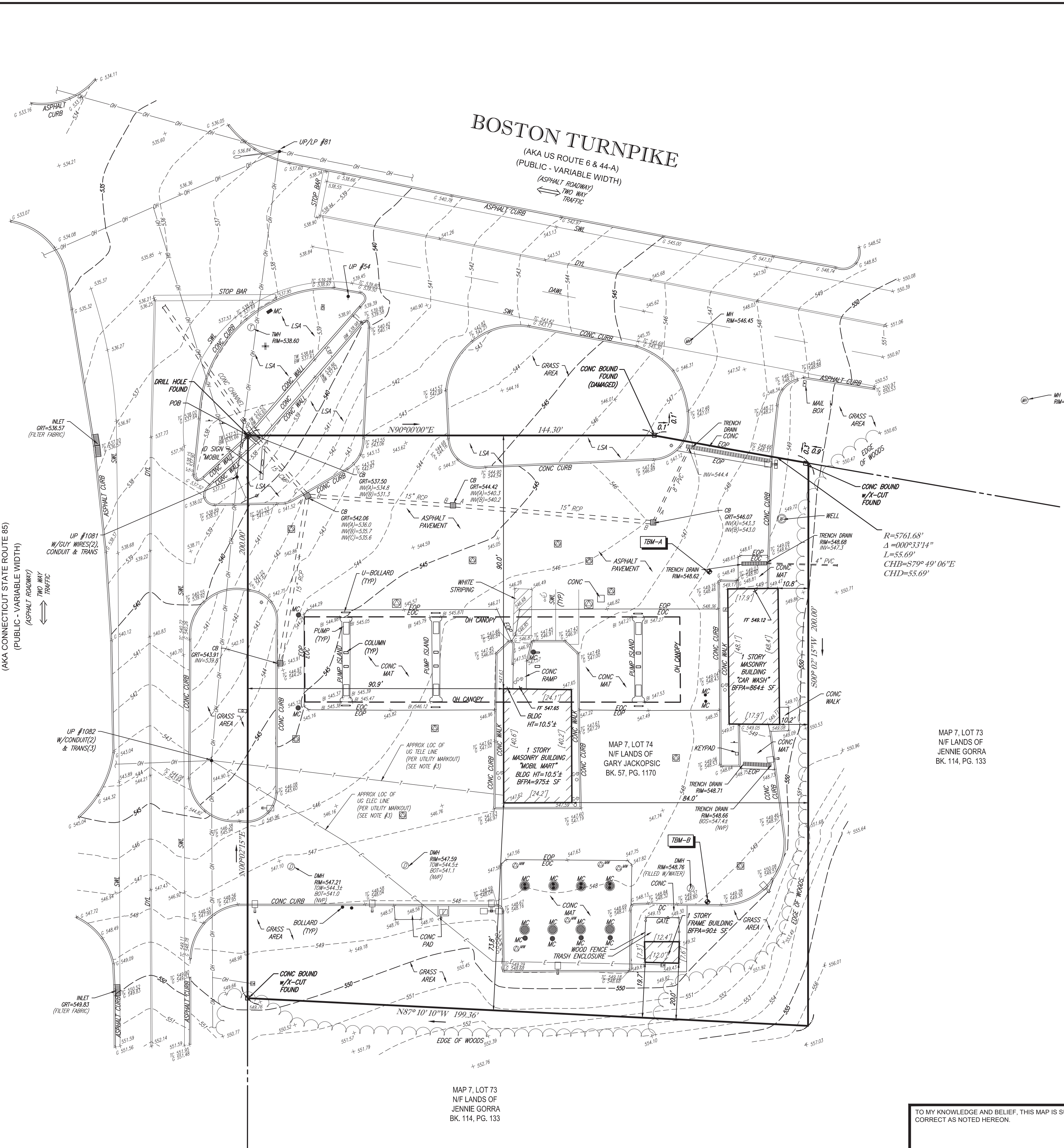
SHEET NUMBER:  
**C-902**

ORG. DATE - 04/12/2021



LEGEND	
---	EXISTING CONTOUR
X 123.45	EXISTING SPOT ELEVATION
X TC 123.45	EXISTING TOP OF CURB ELEVATION
X G 122.95	EXISTING GUTTER ELEVATION
X TW 123.45	EXISTING TOP OF WALL ELEVATION
X BW 122.95	EXISTING BOTTOM OF WALL ELEVATION
X BI 122.95	EXISTING BOTTOM OF ISLAND ELEVATION
X FF 123.45	EXISTING FINISHED FLOOR ELEVATION
EM	ELECTRIC METER
OH	OVERHEAD WIRES
E	APPROX. LOC. UNDERGROUND ELECTRIC LINE
T	APPROX. LOC. UNDERGROUND TELEPHONE LINE
UP #	UTILITY POLE
UPLP #	UTILITY POLE/LIGHT POLE
GW	GUY WIRE
TS	TRAFFIC SIGNAL
MW	MONITORING WELL
MC	MONITORING WELL ON CONCRETE
AL	AREA LIGHT
L	LAMP
AS	AIR STATION
V	VACUUM
C/O	CLEAN OUT
V	VENT
S	SIGN
MB	MAIL BOX
B	BOLLARD
UB	U-BOLLARD
UG	UNDER GROUND
DC	DEPRESSED CURB
EC	EDGE OF CONCRETE
EOP	EDGE OF PAVEMENT
LSA	LANDSCAPED AREA
MC	METAL COVER
(TYP)	TYPICAL
DMH	DRAINAGE/STORM MANHOLE
TMH	TELEPHONE MANHOLE
UMH	UNKNOWN MANHOLE
CB	CATCH BASIN OR INLET
SWL	SOLID WHITE LINE
DYL	DOUBLE YELLOW LINE
HT	HEIGHT
DML	DASHED WHITE LINE
BLDC	BUILDING
BFPA	BUILDING FOOTPRINT AREA
NVP	NO VISIBLE PIPE
PVC	POLYVINYL CHLORIDE PIPE
CMP	CORRUGATED METAL PIPE
RCP	REINFORCED CONCRETE PIPE
INV	INVERT ELEVATION
GRT	GRATE ELEVATION
BOT	BOTTOM ELEVATION
TOW	TOP OF WATER

**BOLTON CENTER ROAD**  
(AKA CONNECTICUT STATE ROUTE 85)  
(PUBLIC - VARIABLE WIDTH)  
(ASPHALT ROADWAY)  
TWO WAY TRAFFIC



LOCUS MAP  
© 2013 ESRI WORLD STREET MAPS

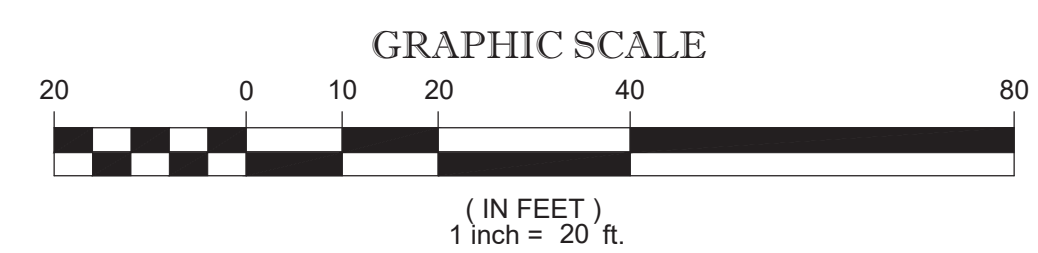
- NOTES:**
- THIS IS A BOUNDARY AND TOPOGRAPHIC SURVEY PREPARED IN ACCORDANCE WITH THE STANDARDS OF A CLASS A-2 AND T-2 SURVEY AS DEFINED IN THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTION 20-300B, EFFECTIVE DATE JUNE 21, 1996. THIS SURVEY IS ALSO PREPARED IN ACCORDANCE WITH THE MINIMUM STANDARDS 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.
  - 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
  - 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.
  - 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.
  - 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.
  - BY GRAPHIC PLOTTING ONLY PROPERTY IS LOCATED IN FLOOD HAZARD ZONE C (AREAS OF MINIMAL FLOODING) PER REF. #2
  - ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), BASED ON GPS OBSERVATIONS UTILIZING THE KEYSTONE VRS NETWORK (KEYNETGTS).

- 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.
- THE OFFSETS SHOWN ARE NOT TO BE USED FOR THE CONSTRUCTION OF ANY STRUCTURE, FENCE, PERMANENT ADDITION, ETC.
  - THE EXISTENCE OF UNDERGROUND STORAGE TANKS, IF ANY, WAS NOT KNOWN AT THE TIME OF THE FIELD SURVEY.

- REFERENCES:**
- THE TAX ASSESSOR'S MAP OF BOLTON, TOLLAND COUNTY, CONNECTICUT, SHEET #7.
  - 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.
  - MAP ENTITLED "ALTAACSM LAND TITLE SURVEY, EXXONMOBIL, SS#10172, 129 BOSTON TURNPIKE, BOLTON, CT," PREPARED BY FIRST ORDER, LLC, DATED AUGUST 19, 2010.
  - 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.

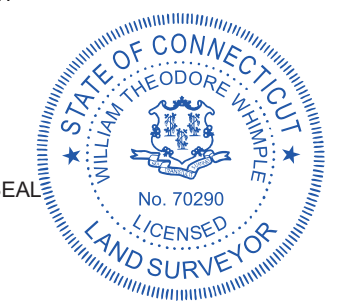
MAP 7, LOT 73  
N/F LANDS OF  
JENNIE GORRA  
BK. 114, PG. 133

MAP 7, LOT 73  
N/F LANDS OF  
JENNIE GORRA  
BK. 114, PG. 133



TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

NOT A VALID ORIGINAL DOCUMENT UNLESS EMBOSSED WITH RAISED IMPRESSION OR STAMPED WITH A BLACK INK SEAL.



**WILLIAM T. WHIMPLE**  
CONNECTICUT PROFESSIONAL LAND SURVEYOR #70290

FIELD DATE 7-10-2017 2-24-2021	<b>BOUNDARY &amp; TOPOGRAPHIC SURVEY</b> <b>GLOBAL PARTNERS</b> 129 BOSTON TURNPIKE LOT 74, MAP 7 TOWN OF BOLTON, TOLLAND COUNTY STATE OF CONNECTICUT	FIELD BOOK NO. 17-06MA	<b>CONTROL POINT ASSOCIATES, INC.</b> 352 TURNPIKE ROAD SOUTH BOKROUGH, MA 01772 508.948.3000 - 508.948.3003 FAX	FIELD CREW T.M. C.W.	ALBANY, NY 5182175010 BOSTON, MA 857400311 CHALFONT, PA 610739000 MANHATTAN, NY 6467800411 MT LAUREL, NJ 6098572999 WARREN, NJ 9086680999
FIELD BOOK PGS 70-71		FILE NO. 03-170199		DWG. NO. 1 OF 1	
DATE 3-4-2021	APPROVED BY J.C.W.	SCALE 1"=20'	DATE 3-4-2021	FILE NO. 03-170199	DWG. NO. 1 OF 1

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THE STATE OF CONNECTICUT REQUIRES NOTIFICATION BY EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE STATE.



### Connected Properties

as of 10/1/2020	
Address	Date Connected
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 Keeney 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 Keeney Drive	6/5/2013
966 Boston Turnpike	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







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







POSTED BATCH REPORT BY BATCH NUMBER

OFFICE OF TAX COLLECTOR TOWN OF VERNON TYPE: TOWN CASH: TOWN DATE: 04/01/2021 TIME: 16:56:17 PAGE: 1  
 TOTAL ONLY : YES BATCH# 0 TERM# 0 PAYDATE : 03/01/2021 TO 03/31/2021 CYCLE : 09 - MARCH PAY TYPE : ALL TAX/DEF : Tax and Deferred TYPE : 05 SA  
 BLLL # S TAXPAYER TYPE TOWN INTEREST LIEN FEES B-INT TOTAL DATE-PAID TP OVR TER# BATCH# SEQ# # CLK BK

BATCH	658 13		0.00	83.40	0.00	0.00	116.60	200.00	ADJ =	0.00	03/04/2
TOT BACK/YR [1]	ASSM		0.00	83.40	0.00	0.00	116.60	200.00	ADJ =	0.00	
TOTAL:			0.00	83.40	0.00	0.00	116.60	200.00			
TOT ACTIVE [1]			0.00	83.40	0.00	0.00	116.60	200.00	ADJ =	0.00	
TOTAL:			0.00	83.40	0.00	0.00	116.60	200.00			
GRAND TOTAL [1]			0.00	83.40	0.00	0.00	116.60	200.00	ADJ =	0.00	
TYPE P			0.00	83.40	0.00	0.00	116.60	200.00			
ASSM	CURRENT:	0.00	BACK :	200.00							

SEWER ASSESSMENT: 1 CURRENT: 0.00 BACK: 200.00

RECEIPT TOTAL	200.00
CASH TOTAL	0.00
CHANGE TOTAL	0.00
-----	
CASH BALANCE	0.00
CHECK TOTAL	200.00
CREDIT TOTAL	0.00
DEPOSIT TOTAL	200.00 *** (EXCLUDE CREDIT CARD)
-----	
DEPOSIT TOTAL	<u>200.00</u>



POSTED BATCH REPORT BY BATCH NUMBER

OFFICE OF TAX COLLECTOR BOLTON LAKES REGIONAL WPCA TYPE: TOWN CASH: TOWN DATE: 04/01/2021 TIME: 16:56:08 PAGE: 1  
 TOTAL ONLY : YES BATCH# 0 TERM# 0 PAYDATE : 03/01/2021 TO 03/31/2021 CYCLE : 09 - MARCH PAY TYPE : ALL TAX/DEF : Tax and Deferred TYPE : 06 SU  
 BILL # S TAXPAYER TYPE TOWN INTEREST LIEN FEES B-INT TOTAL DATE-PAID TR OVR TER# BATCH# SEQ# # CLK 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/YR [103] USE			13,986.95	22.48	0.00	0.00	0.00	14,009.43	ADJ =	-100.00	
TOTAL:			13,986.95	22.48	0.00	0.00	0.00	14,009.43			
TOT ACTIVE [103]			13,986.95	22.48	0.00	0.00	0.00	14,009.43	ADJ =	-100.00	
TOTAL:			13,986.95	22.48	0.00	0.00	0.00	14,009.43			
TOT ADJUSTMENT [1]			-100.00	ASSM:	0	EXEMP:	0	-100.00			
GRAND TOTAL [103]			13,986.95	22.48	0.00	0.00	0.00	14,009.43	ADJ =	-100.00	
TYPE P			13,986.95	22.48	0.00	0.00	0.00	14,009.43			
USE	CURRENT:	14,009.43	BACK :	0.00							

SEWER USAGE: 103 CURRENT: 14,009.43 BACK: 0.00

RECEIPT TOTAL	14,009.43
CASH TOTAL	0.00
CHANGE TOTAL	0.00
-----	
CASH BALANCE	0.00
CHECK TOTAL	14,009.43
CREDIT TOTAL	0.00
DEPOSIT TOTAL	14,009.43 *** (EXCLUDE CREDIT CARD)
-----	
DEPOSIT TOTAL	<u>14,009.43</u>



Date of deposit	Total Assess	Assess Principal	Assess BINT	Assess interest current	Prior Assess Principal	Prior Assess BINT	Prior Assess Interest	Assess Lien	Assess other fees	Total User	User fee		Prior fee		Lien Fees	warrant other fees	Advanced Collections	Total Dep
											User fee current	User fee Interest current	Prior Fee interest	Prior Fee interest				
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
May	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
<b>Year Total</b>	<b>281984.36</b>	<b>228006.98</b>	<b>44261.42</b>	<b>843.39</b>	<b>5244.20</b>	<b>1607.10</b>	<b>1709.27</b>	<b>312.00</b>	<b>0.00</b>	<b>127330.64</b>	<b>121211.86</b>	<b>509.37</b>	<b>5009.63</b>	<b>419.78</b>	<b>168.00</b>	<b>12.00</b>	<b>0.00</b>	<b>409315.00</b>

\*BINT IS BOND INTEREST