

## ADDENDUM #2

### RSU #57 – DESIGN-BUILD MODULAR CLASSROOM BUILDING PROJECT

86 West Road, Waterboro, Maine

23 February 2024

Please include the following changes:

#### **GENERAL ITEMS:**

1. Changes to the drawings are revision clouded in red.

#### **CHANGES TO THE SPECIFICATIONS:**

1. Not Used.

#### **CHANGES TO THE DRAWINGS:**

1. Delete drawing C-101A, Portable Classroom Context Plan; and insert the attached revised drawing C-101A, Portable Classroom Context Plan; changes include a revision to the Project Area limit of work.
2. Delete drawing C-101B, Portable Classroom Site Plan; and insert the attached revised drawing C-101B, Portable Classroom Site Plan; changes include revisions to show an underground communications pathway and the new sewer manhole is changed to a septic tank.
3. Delete drawing C-301, Portable Classroom Site Civil Details; and insert the attached revised drawing C-301, Portable Classroom Site Civil Details; changes include the addition of a precast septic tank detail.

#### **CLARIFICATIONS AND QUESTIONS ASKED BY THE BIDDERS:**

1. Who is the school's propane supplier?

**Response:** The propane tank farm was originally installed by Dead River Company but the current propane supplier is Champagne's Energy. [dfinch@champagnesenergy.com](mailto:dfinch@champagnesenergy.com)

2. Will \$1 million in professional liability insurance coverage be acceptable instead of \$2 million?

**Response:** In the Contract documents it states, "Minimum acceptable limits are \$1,000,000 each claim and \$2,000,000 aggregate limit". This is the requirement.

3. Buy American Act 7.1 The Contractor shall comply with the Buy American Act (41 U.S.C. 10). Please confirm this includes North, South and Central Americas?

**Response:** Refer to [Free Trade Agreements | United States Trade Representative \(ustr.gov\)](https://ustr.gov) for countries the United States has comprehensive free trade agreements in force with.

4. Site plan with elevations and utility locations based off historical data. Is a contractor provided official survey required?

**Response:** The intent of the contract documents is to provide as-built drawings locating any new underground utilities installed as part of the project both horizontally and vertically up to the connection point to any existing utilities; and showing as-built elevations around the building (particularly to confirm that the access routes meet ADA standards) complying with specification section 01 10 00 Summary, Parts 1.13 & 1.14. The intent is not to require a licensed professional surveyor, this can be performed by the installing contractor.

5. Will the new building require PA linked to the existing school?

**Response:** Yes, the new modular building shall have an intercom (PA) system. The system will consist of one 2x2 lay-in ceiling speaker in each classroom and a call station inside each classroom

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door, quad junction box in the IT Closet with 4 individual wires pulled within the new fiber optic data conduit that will be run to the school resource officer's (SRO) office adjacent to door 7 with the 4 wires left coiled above the ceiling of the office for completion by others. The new conduit for the fiber should be properly sized for the additional 4 West Penn 25359B wires. Each classroom call station shall have a single gang junction box with West Penn 25359B wire run in conduit to above the ceiling and left coiled for connection to the speaker and a conduit and West Penn 25359B wire run to the IT Closet quad junction box and left coiled for connection to the homerun to the SRO office. Refer to the attached system diagram and product cut sheets. Questions should be directed to the RSU's intercom system provider: Scott Whitaker, Canfield Systems, Inc., 89 Mussey Road, Scarborough, Maine; Office: 207-883—4110; Mobile: 207-650-0938; [scott@canfielssystem.com](mailto:scott@canfielssystem.com)

6. Please provide an approximate location of the existing schools building automation system.  
Approx distance to proposed new modular?

**Response:** The Owner assumes that a controller and router would be installed in the new modular and would be connected to the RSU's network switch that will be installed in the IT Closet within the new modular by the RSU's IT Department for communication back to the primary controller (JACE). The Owner recommends contacting the RSU's preferred contractor, XL Automation, as noted in specification section 01 10 00 Summary.

7. Pump building shall have a temperature sensor to alert if temperature drops to 40 Degrees. What system is this alerting?

**Response:** Please refer to Clarification #6 in Addendum #1.

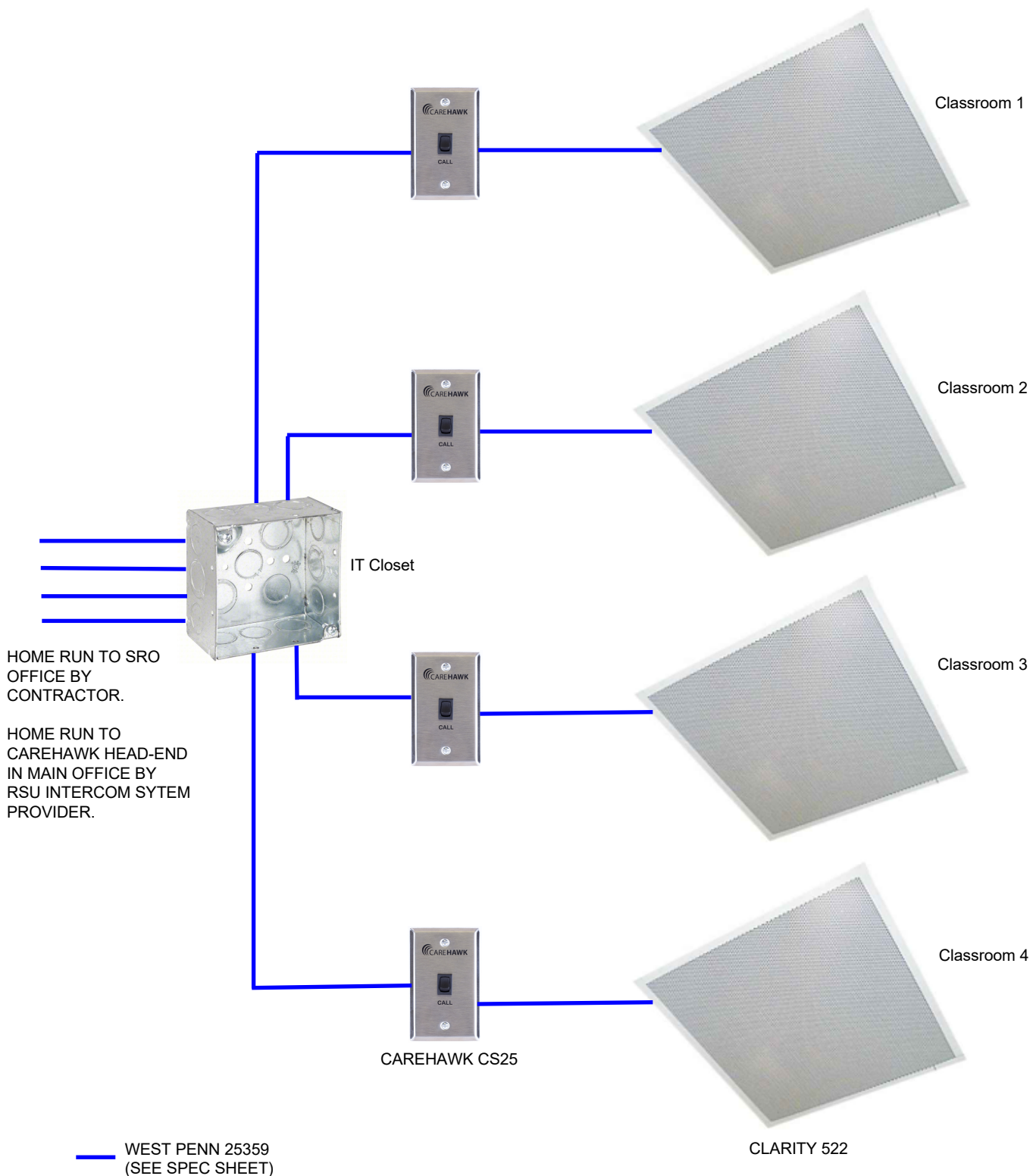
8. Can you please identify which submittals require hard samples? Flooring, Windows, Doors, ACT ceiling, Siding, Roofing, Plumbing fixtures, Lighting fixtures?

**Response:** The Owner would like to have a physical sample of the vinyl siding for review. Physical color chips shall be provided for all items requiring a color selection by the Owner.

#### **ATTACHMENTS:**

1. Intercom (PA) system diagram and product cut sheets.
2. Drawing C-101A, Portable Classroom Context Plan.
3. Drawing C-101B, Portable Classroom Site Plan.
4. Drawing C-301, Portable Classroom Site Civil Details.

**END OF ADDENDUM #2**



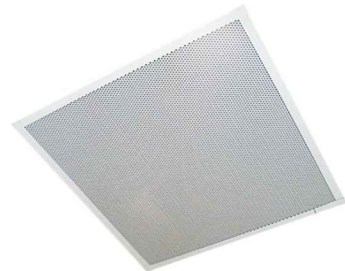
Scott Whitaker  
89 Mussey Road  
Scarborough, ME 04074  
207-883-4110  
207-650-0938 cell

MASABESIC HIGH SCHOOL  
NEW PORTABLE CLASSROOMS 2/16/24

CAREHAWK INTERCOM SYSTEM WIRING DIAGRAM

## FEATURES:

- Replaces a 2' X 2' or ½ of A 2' X 4' Ceiling Tile
- Integral Backbox with Three Hour Burn Rating
- Easy Lay-In Mounting
- 25/70-Volt Transformer
- Scuff Resistant Perforated Grille
- Durable White Acrylic Baked Enamel Finish
- Volume Control
- Packaged Two (2) Per Box



**SPEAKER PROVIDED AND  
INSTALLED BY OTHERS**

## DESCRIPTION:

This inconspicuous Lay-in Speaker can be installed in suspended ceilings in minutes. The speaker provides excellent music and voice reproduction. The integral backbox has a three hour burn test rating (UL181) and the rugged lightweight construction eliminates the need for support bars. The speakers white perforated grille blends into the ceiling by providing the appearance of a standard air return. The speaker assembly features a perforated steel grill finished with a durable white baked on acrylic enamel finish, an 8" full range speaker, a volume control and a transformer that operates on 25- and 70-volt speaker lines. The volume control is accessible through the perforated grille using a standard 1/8" screwdriver.

## Specifications:

### SPEAKER

8" (20.32 cm) Speaker

### MAGNET WEIGHT

5 oz.

### MAGNET MATERIAL

Ceramic

### VOICE COIL

8-ohm  
3/4" (.34 cm) dia.

### SOUND PRESSURE LEVEL

95 dB at 1 Meter on Axis With 1-Watt Input at 1 kHz

### LINE TRANSFORMER

Combination 25/70 Volt

### TRANSFORMER TAPS

5, 2.5, 1.25, .75 and .35 Watts

### FREQUENCY RESPONSE

70 Hz to 17 kHz

### POWER RATING

5 Watts Continuous

### HOUSING AND FINISH

Steel housing with a white baked on acrylic enamel finish

### ENVIRONMENT

**Temperature:** 0 to 50 °C (32 to 122 °F)

**Humidity:** 0 to 85% Non-Precipitating

### DIMENSIONS AND WEIGHT

23.75" (60.53 cm) L x 23.75" (60.53 cm) W x 3.75 D (9.53 cm)

**Weight:** 5.5 lbs. (1.82 kg)

## ARCHITECTS' AND ENGINEERS

The Model S-522B-2 Lay-in Ceiling Speaker shall consist of a white two foot by two-foot perforated grille, a speaker, combination 25/70-volt 5-watt transformer and integral backbox.

The speaker shall be 8" (20.32 cm) in diameter and have a 5 oz. ceramic magnet. The 8" speaker cone material shall be paper. The speaker impedance shall be 8 ohms. The diameter of the voice coil shall be 3/4" (.34 cm) diameter. The speaker shall be capable of handling 5 watts continuous power. Sound pressure level at 1 meter on axis with a 1-watt input shall be 95dB. The frequency response shall be 70 Hz to 17 kHz.

The baffle shall be constructed with a single piece of perforated steel with a white baked on acrylic enamel finish. The backbox meets or exceeds A.S.T.M. E84 flame and smoke test and has a three hour burn rating (UL181).

The line transformer shall be capable of operating on a 25- or 70-volt lines speaker and provide 5 volume adjustments. The level adjustments shall range from 5 watts to .35 watts and be made via a rotary tap volume control that is accessible through the grille.

Maximum dimensions of the grill shall be: Baffle 23.75" (60.53 cm) L x 23.75" (60.53 cm) W x 3.75 D (9.53 cm)). Weight shall be approximately 5.5 lbs (1.82 kg).

The Lay-in Ceiling Speaker assembly shall be Model S-522B-2 manufactured by Clarity.



# CALL STATION

**CALL STATION PROVIDED AND  
INSTALLED BY OTHERS**

- Normal (Single Press) or Emergency (Double Press) Call-in
- Single-Gang Stainless Steel Plate
- Rocker-Style Switch
- Pigtail Connectivity

The CS25 Call Station is part of the CareHawk® CH1000 Life Safety Communication Platform. The CS25 uses a momentary call-in switch to initiate a normal intercom call (single press) or an emergency intercom call (double press) that is received by the AP1 Administrative Phone.

The CS25 provides pigtail connectivity for a CAT5(e) cable from the SS16/SS32 Security Switching Cards.

Construction is a rocker-type push button mounted to brushed stainless steel plate for durability.



## Ordering Information

Model	Description
<b>Product Name</b>	
CS25	Call Station
<b>Associated Equipment</b>	
SS16	Security Switching Card - 16 Port
SS32	Security Switching Card - 32 Port

## Specifications

Spec Item	Description
Back box	Standard Single-Gang Box
Termination	RJ45, Pigtail
Dimensions	4.5" x 2.75" x 1"



**25359B**

20AWG 2 Shld, 2 Unshld CMP  
 Audio, Control and Intercom

**WIRE TO BE INSTALLED WITHIN THE MODULAR AND TO  
 THE SRO OFFICE ADJACENT TO DOOR 7 BY CONTRACTOR**

**Construction & Dimensions**

CONSTRUCTION & DIMENSIONS	-	
Component	Shielded	Unshielded
CONDUCTOR PARAMETER	-	
• Number of Conductors	2	2
• AWG Size	20	20
• Conductor Stranding	7x28	7x28
• Conductor Type	Bare Copper	Bare Copper
• Nominal DCR	10.1 Ohm/1000ft	10.1 Ohm/1000ft
INSULATION PARAMETER	-	
• Insulation Type	Plenum PVC	Plenum PVC
• Insulation Thickness	0.007 in	0.007 in
• Insulation Color Code	1. Black 2.Red	1. White 2.Green
SHIELDING PARAMETER	-	
• Shield Type	Overall 100% Aluminum Foil	None
• Drain Wire Type	Tinned Copper	
• Drain Wire AWG	22 AWG	
ELECTRICAL CHARACTERISTICS	-	
• Nom. Cap. Between Conductors	60 pF/ft	
• Nom. Cap. Conductor to Shield	108 pF/ft	

**Overall Construction**

OVERALL CONSTRUCTION PARAMETERS	-
Total Number of Conductors	4
Jacket Type	Flexible Plenum
Jacket Thickness	0.015 in
Nominal Cable O.D.	0.18 in
Plenum	Yes
NEC UL Rating	CMP
RoHS Compliant	Yes
Pull Tension	63 lbs
Bend Radius	1.619 in
Cable Weight	25 lbs

**Overall Electrical & Optical Characteristics**

OVERALL ELECTRICAL/OPTICAL CHARACTERISTICS	-
UL Flammability	NFPA 262 Plenum
Operating Range	-0 to 60 Deg C
UL Voltage Rating	300

## Detailed Specification & Technical Data



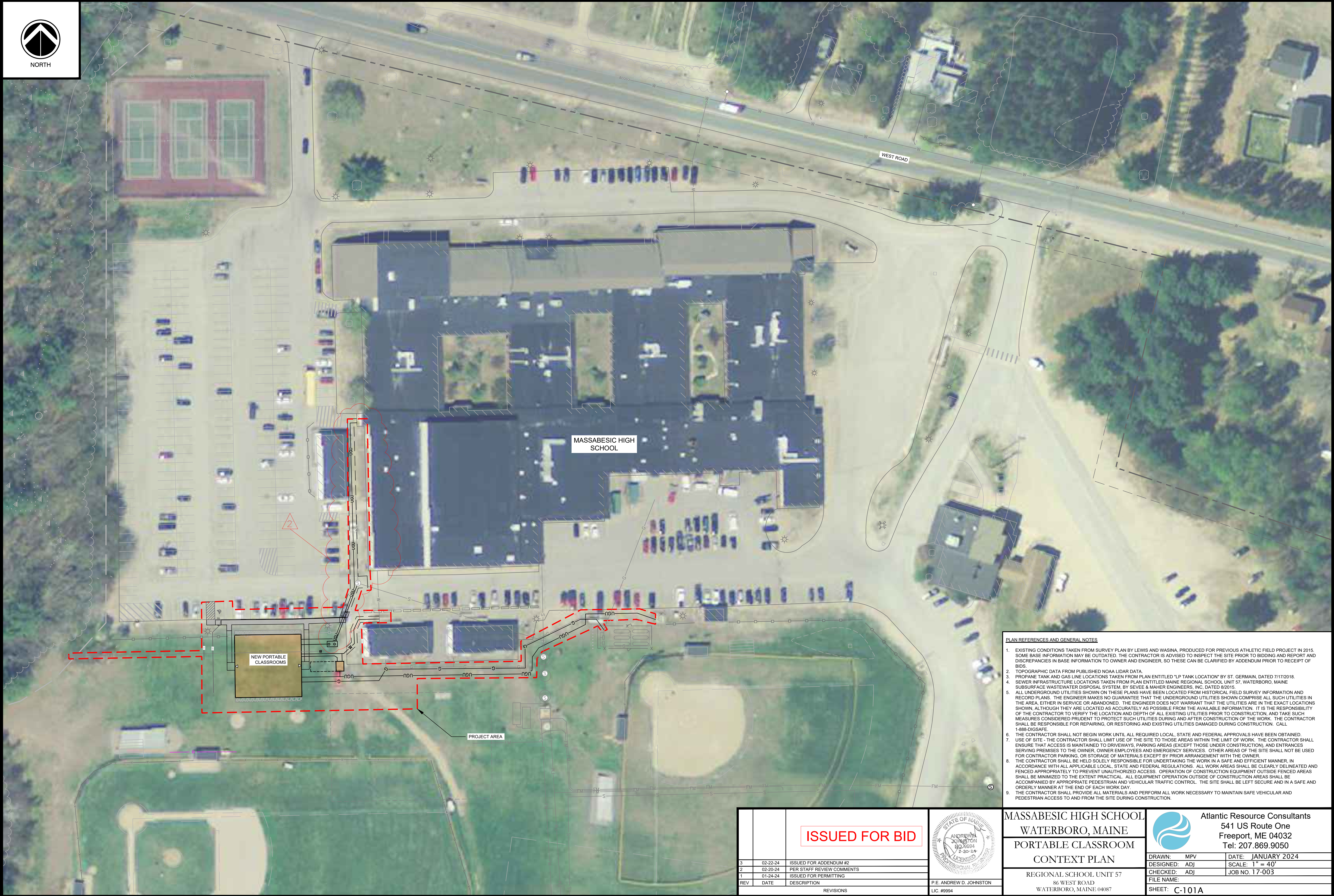
### 25359B

20AWG - 2Shld, 2 Unshld CMP  
Audio, Control and Intercom

## Related Products

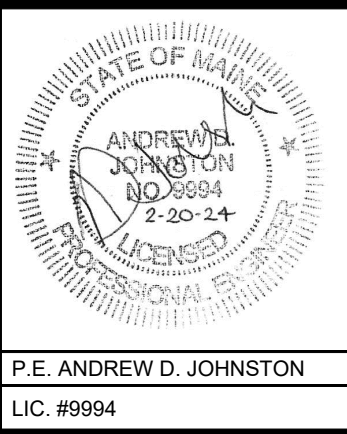
RELATED PRODUCTS	-
Non Plenum Number	359
Aquaseal Number	AQC359





- PLAN REFERENCES AND GENERAL NOTES**
1. EXISTING CONDITIONS TAKEN FROM SURVEY PLAN BY LEWIS AND WASINA, PRODUCED FOR PREVIOUS ATHLETIC FIELD PROJECT IN 2015. SOME BASE INFORMATION MAY BE OUTDATED. THE CONTRACTOR IS ADVISED TO INSPECT THE SITE PRIOR TO BIDDING AND REPORT AND DISCREPANCIES IN BASE INFORMATION TO OWNER AND ENGINEER, SO THESE CAN BE CLARIFIED BY ADDENDUM PRIOR TO RECEIPT OF BIDS.
  2. TOPOGRAPHIC DATA FROM PUBLISHED NOAA LIDAR DATA.
  3. PROPANE TANK AND GAS LINE LOCATIONS TAKEN FROM PLAN ENTITLED "LP TANK LOCATION" BY ST. GERMAIN, DATED 7/17/2018.
  4. SEWER INFRASTRUCTURE LOCATIONS TAKEN FROM PLAN ENTITLED MAINE REGIONAL SCHOOL UNIT 57, WATERBORO, MAINE SUBSURFACE WASTEWATER DISPOSAL SYSTEM, BY SEVEE & MAHER ENGINEERS, INC. DATED 8/2015.
  5. ALL UNDERGROUND UTILITIES SHOWN ON THESE PLANS HAVE BEEN LOCATED FROM HISTORICAL FIELD SURVEY INFORMATION AND RECORD PLANS. THE ENGINEER MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE ENGINEER DOES NOT WARRANT THAT THE UTILITIES ARE IN THE EXACT LOCATIONS SHOWN. ALTHOUGH THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE AVAILABLE INFORMATION, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION, AND TAKE SUCH MEASURES CONSIDERED PRUDENT TO PROTECT SUCH UTILITIES DURING AND AFTER CONSTRUCTION OF THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING, OR RESTORING AND EXISTING UTILITIES DAMAGED DURING CONSTRUCTION. CALL 1-888-DIGSAFE.
  6. THE CONTRACTOR SHALL NOT BEGIN WORK UNTIL ALL REQUIRED LOCAL, STATE AND FEDERAL APPROVALS HAVE BEEN OBTAINED.
  7. USE OF SITE - THE CONTRACTOR SHALL LIMIT USE OF THE SITE TO THOSE AREAS WITHIN THE LIMIT OF WORK. THE CONTRACTOR SHALL ENSURE THAT ACCESS IS MAINTAINED TO DRIVEWAYS, PARKING AREAS (EXCEPT THOSE UNDER CONSTRUCTION), AND ENTRANCES SERVING PREMISES TO THE OWNER, OWNER EMPLOYEES AND EMERGENCY SERVICES. OTHER AREAS OF THE SITE SHALL NOT BE USED FOR CONTRACTOR PARKING, OR STORAGE OF MATERIALS EXCEPT BY PRIOR ARRANGEMENT WITH THE OWNER.
  8. THE CONTRACTOR SHALL BE HELD SOLELY RESPONSIBLE FOR UNDERTAKING THE WORK IN A SAFE AND EFFICIENT MANNER, IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS. ALL WORK AREAS SHALL BE CLEARLY DELINEATED AND FENCED APPROPRIATELY TO PREVENT UNAUTHORIZED ACCESS. OPERATION OF CONSTRUCTION EQUIPMENT OUTSIDE FENCED AREAS SHALL BE MINIMIZED TO THE EXTENT PRACTICAL. ALL EQUIPMENT OPERATION OUTSIDE OF CONSTRUCTION AREAS SHALL BE ACCOMPANIED BY APPROPRIATE PEDESTRIAN AND VEHICULAR TRAFFIC CONTROL. THE SITE SHALL BE LEFT SECURE AND IN A SAFE AND ORDERLY MANNER AT THE END OF EACH WORK DAY.
  9. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS AND PERFORM ALL WORK NECESSARY TO MAINTAIN SAFE VEHICULAR AND PEDESTRIAN ACCESS TO AND FROM THE SITE DURING CONSTRUCTION.

ISSUED FOR BID		
3	02-22-24	ISSUED FOR ADDENDUM #2
2	02-20-24	PER STAFF REVIEW COMMENTS
1	01-24-24	ISSUED FOR PERMITTING
REV	DATE	DESCRIPTION
REVISIONS		



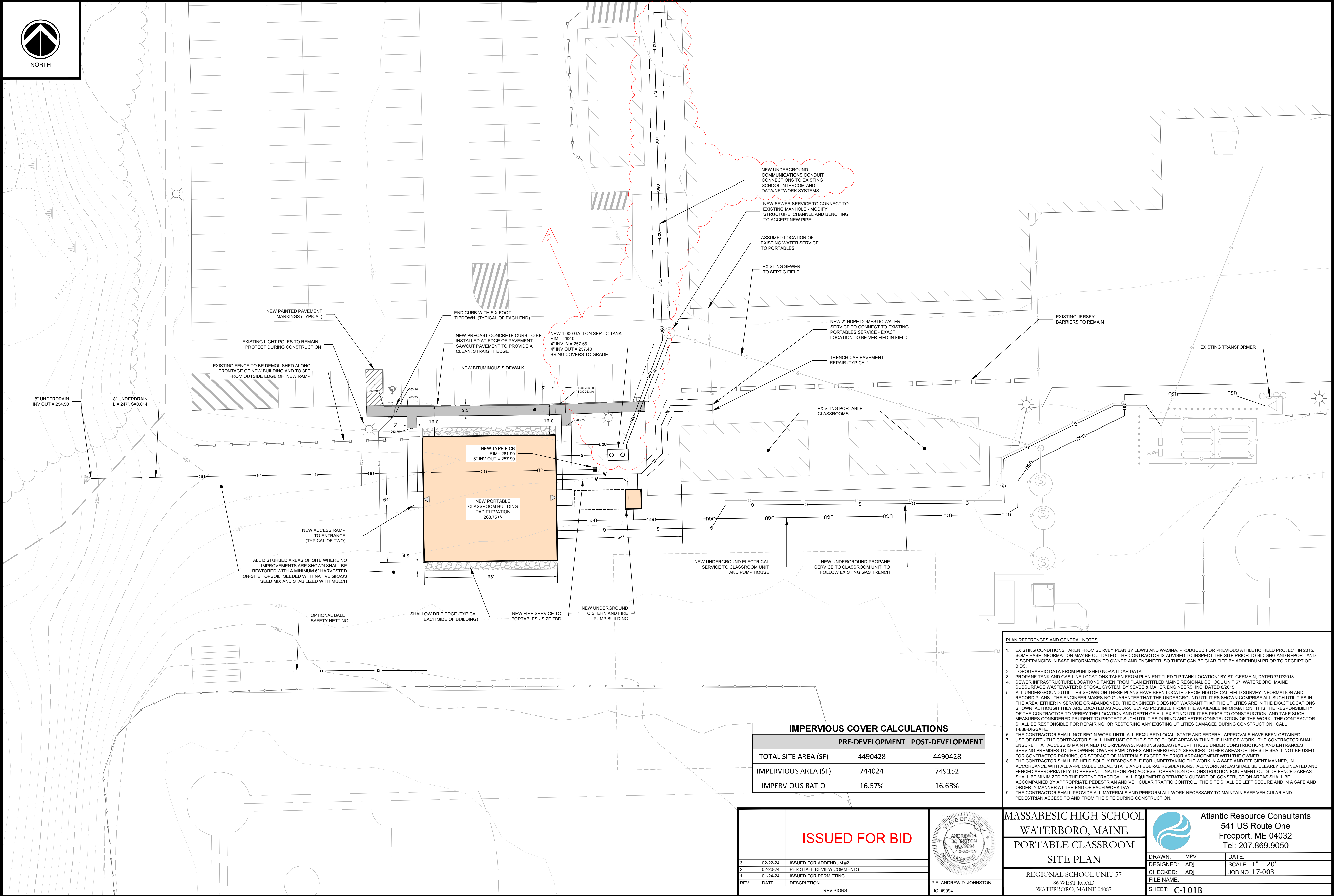
MASSABESIC HIGH SCHOOL  
WATERBORO, MAINE  
PORTABLE CLASSROOM  
CONTEXT PLAN

REGIONAL SCHOOL UNIT 57  
86 WEST ROAD  
WATERBORO, MAINE 04087

Atlantic Resource Consultants  
541 US Route One  
Freeport, ME 04032  
Tel: 207.869.9050

DRAWN: MPV	DATE: JANUARY 2024
DESIGNED: ADJ	SCALE: 1" = 40'
CHECKED: ADJ	JOB NO. 17-003
FILE NAME:	
SHEET: C-101A	





IMPERVIOUS COVER CALCULATIONS		
	PRE-DEVELOPMENT	POST-DEVELOPMENT
TOTAL SITE AREA (SF)	4490428	4490428
IMPERVIOUS AREA (SF)	744024	749152
IMPERVIOUS RATIO	16.57%	16.68%

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REV	DATE	DESCRIPTION
REVISIONS		

P.E. ANDREW D. JOHNSTON  
LIC. #9994

MASSABESIC HIGH SCHOOL  
WATERBORO, MAINE  
PORTABLE CLASSROOM  
SITE PLAN

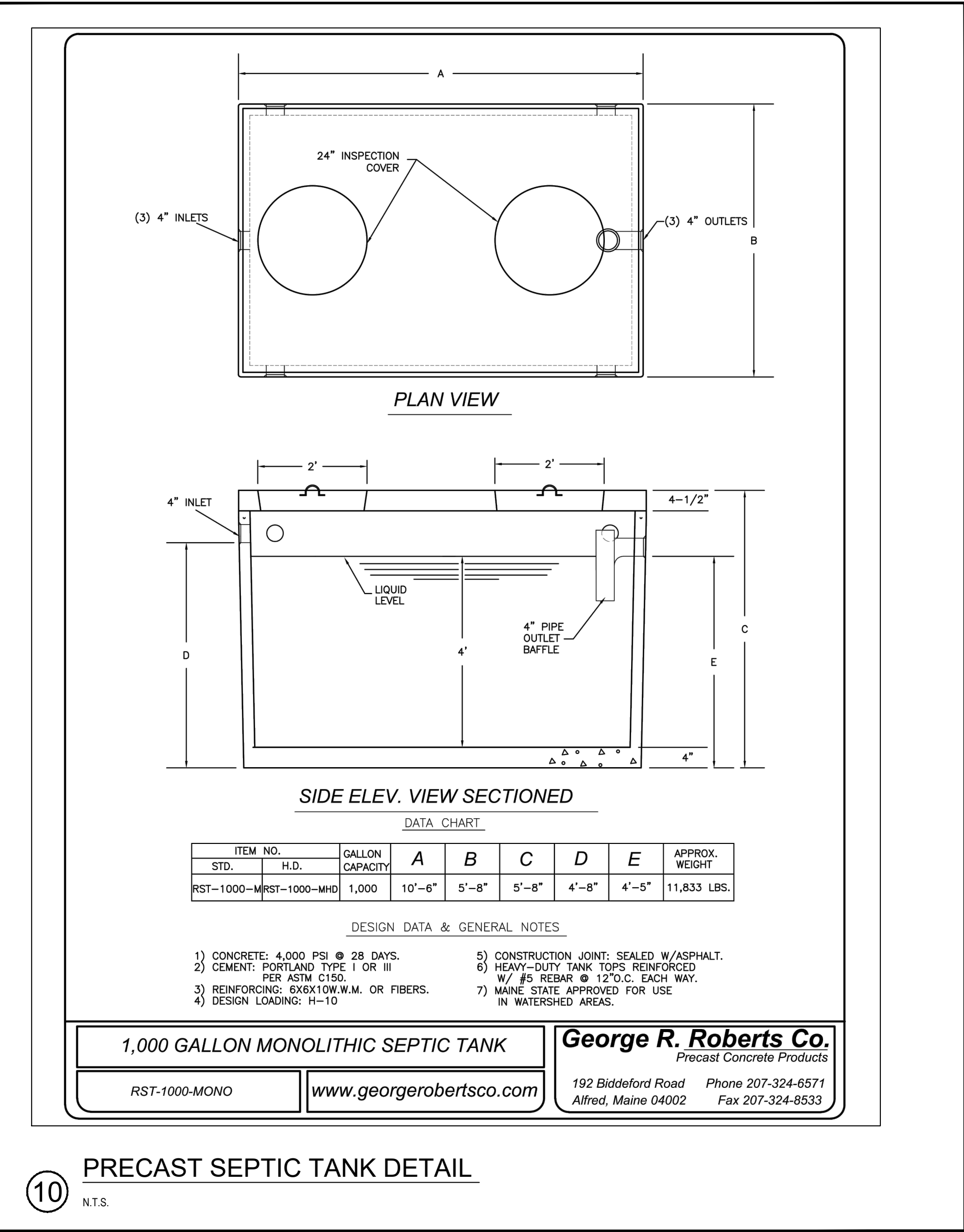
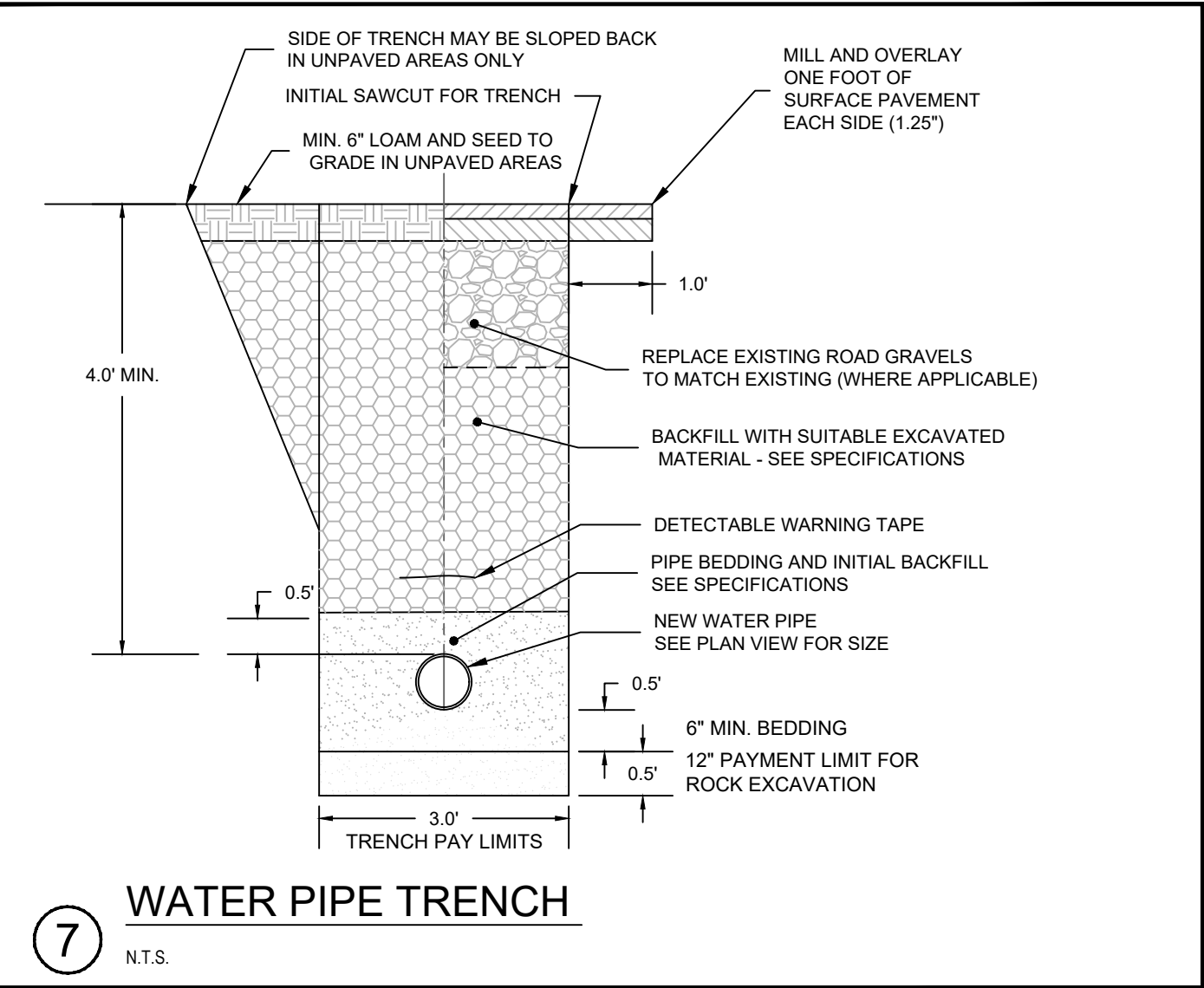
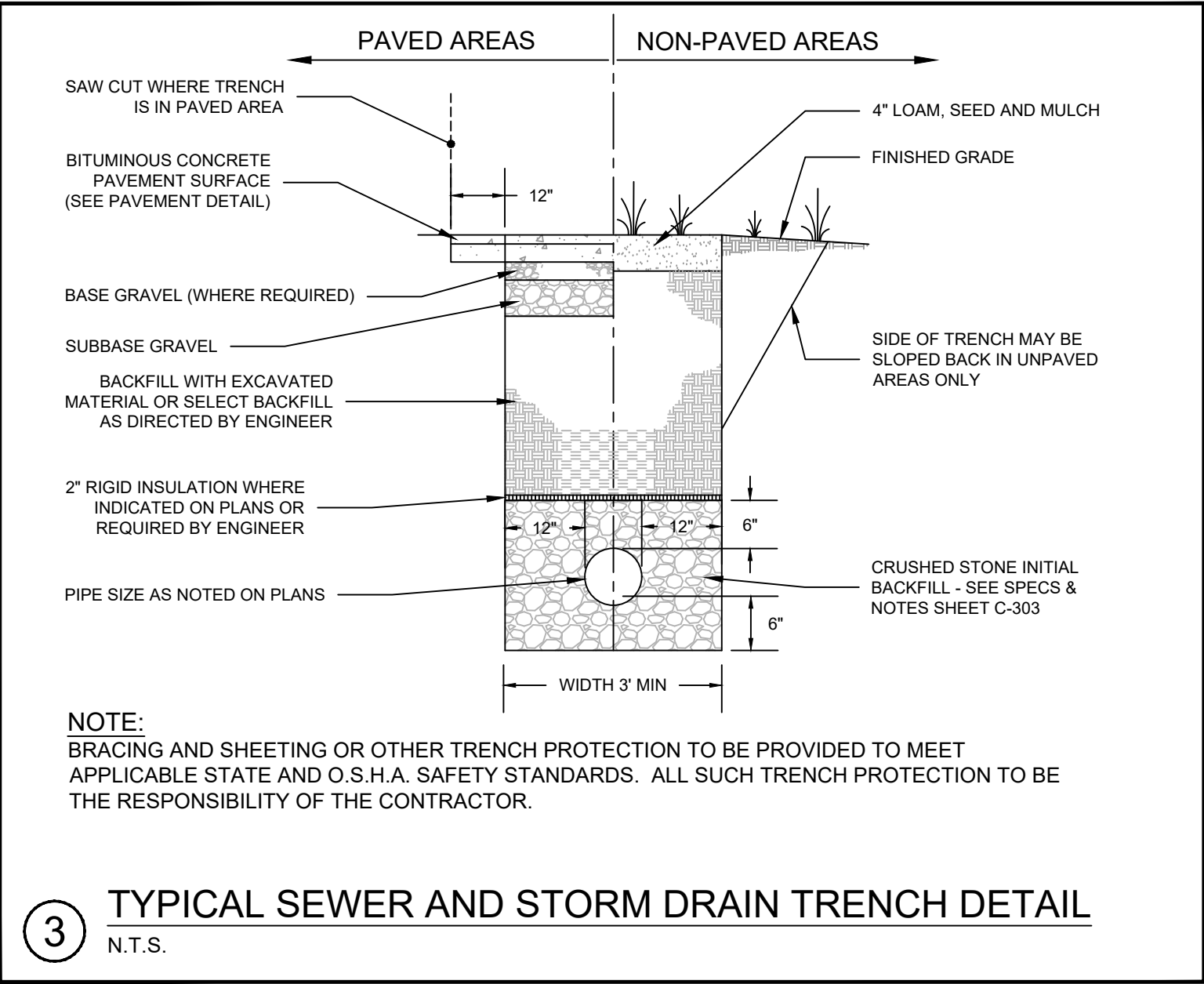
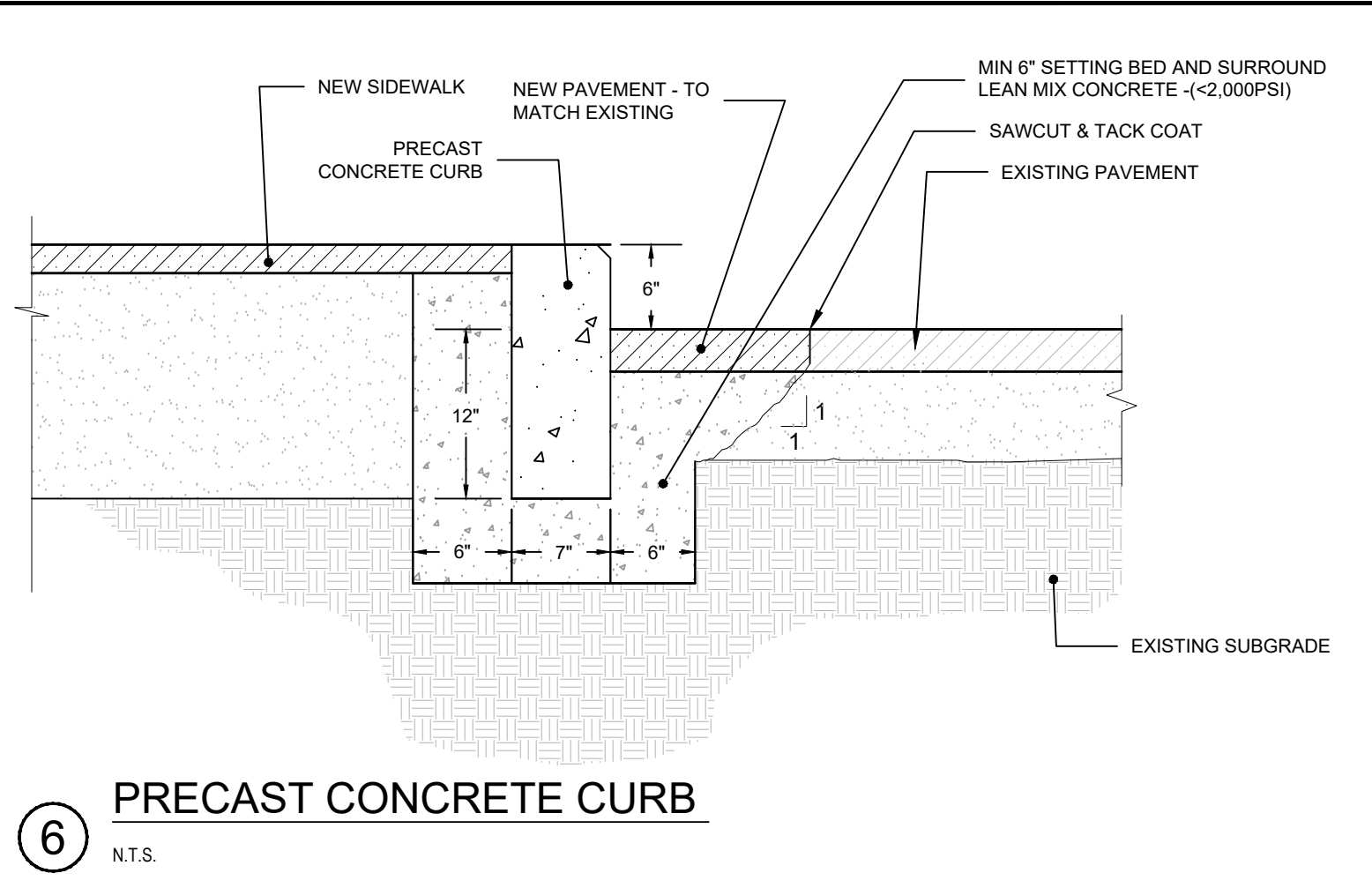
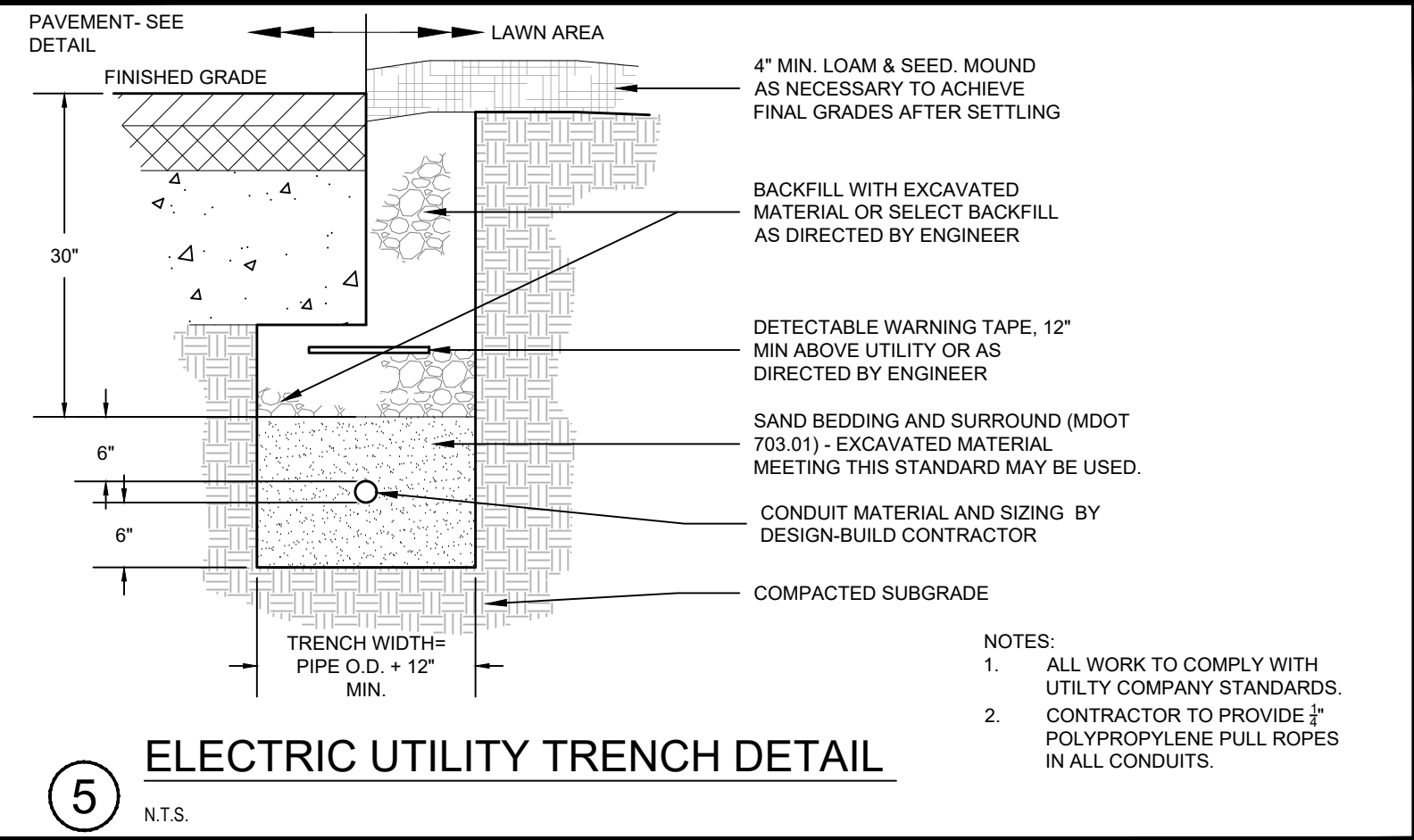
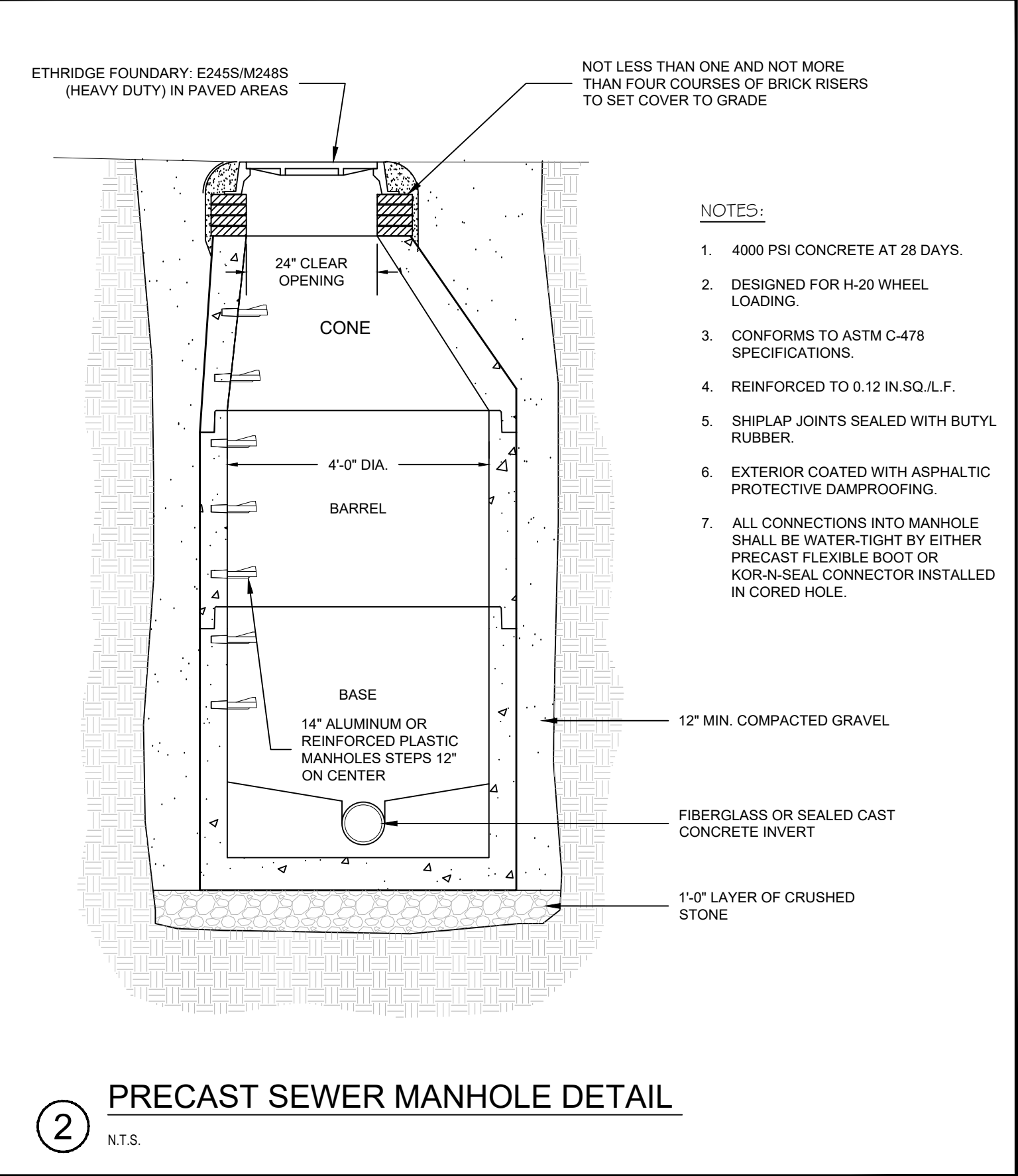
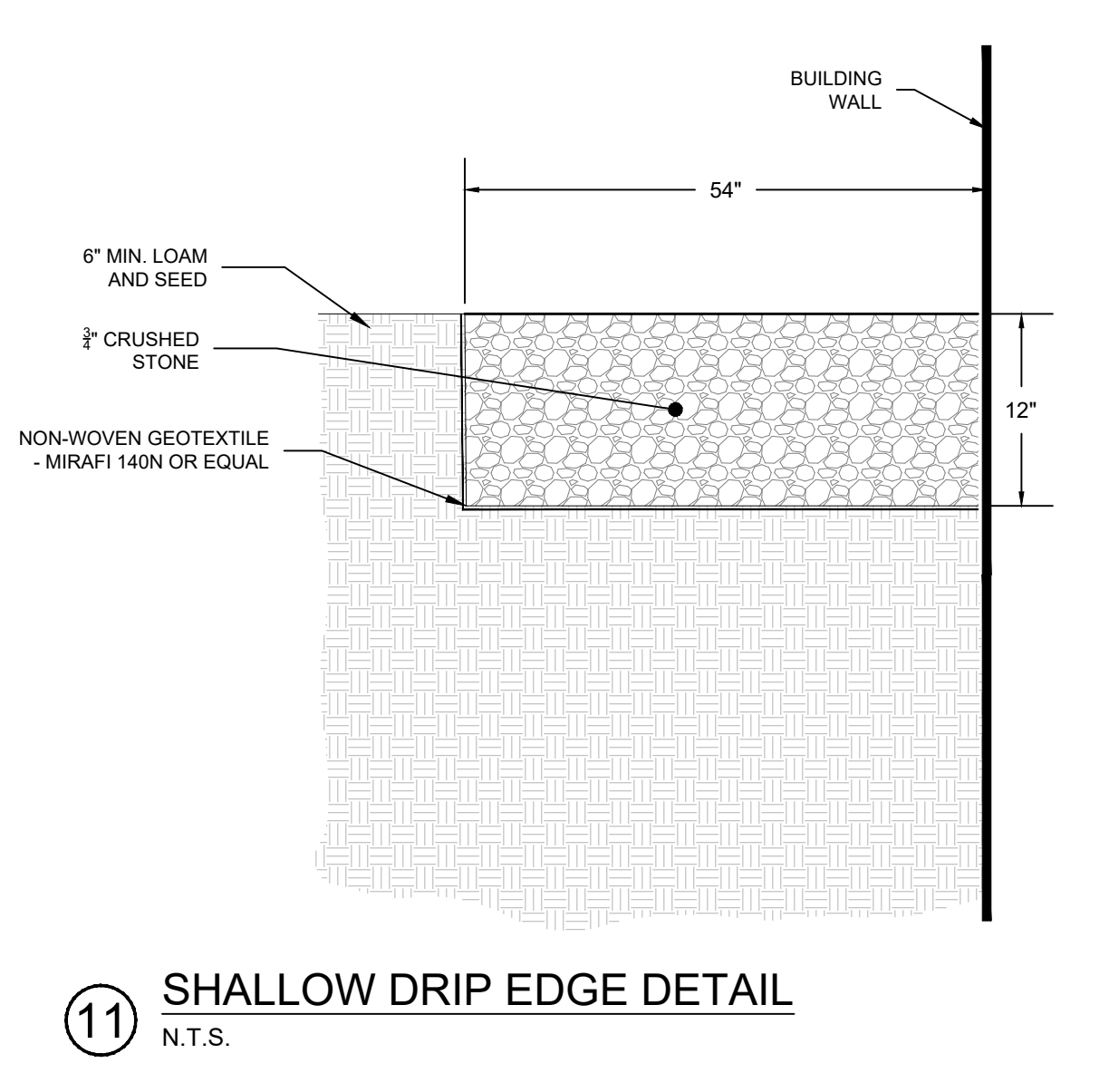
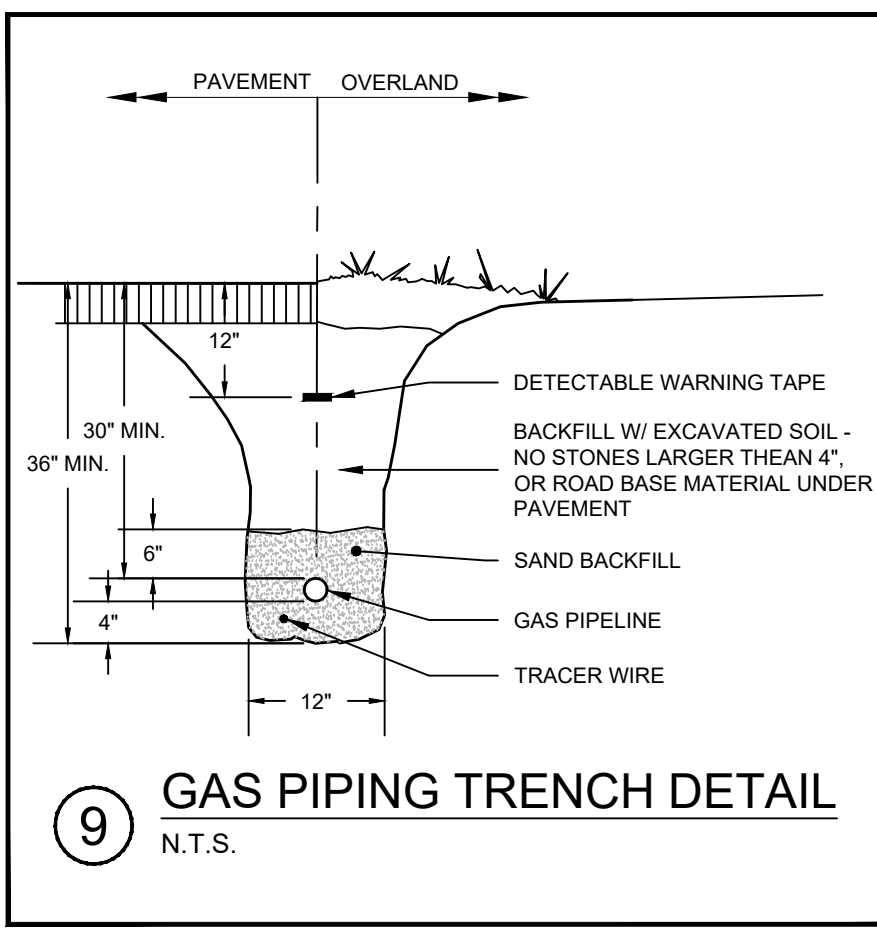
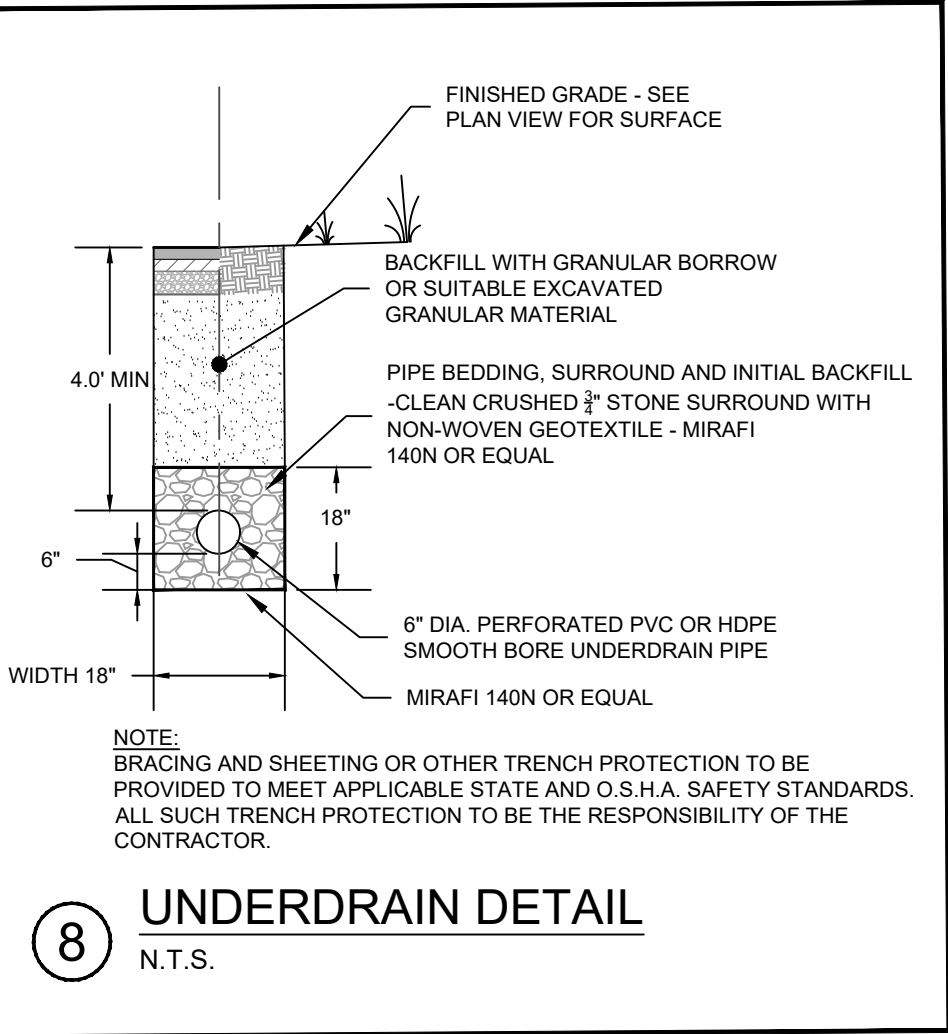
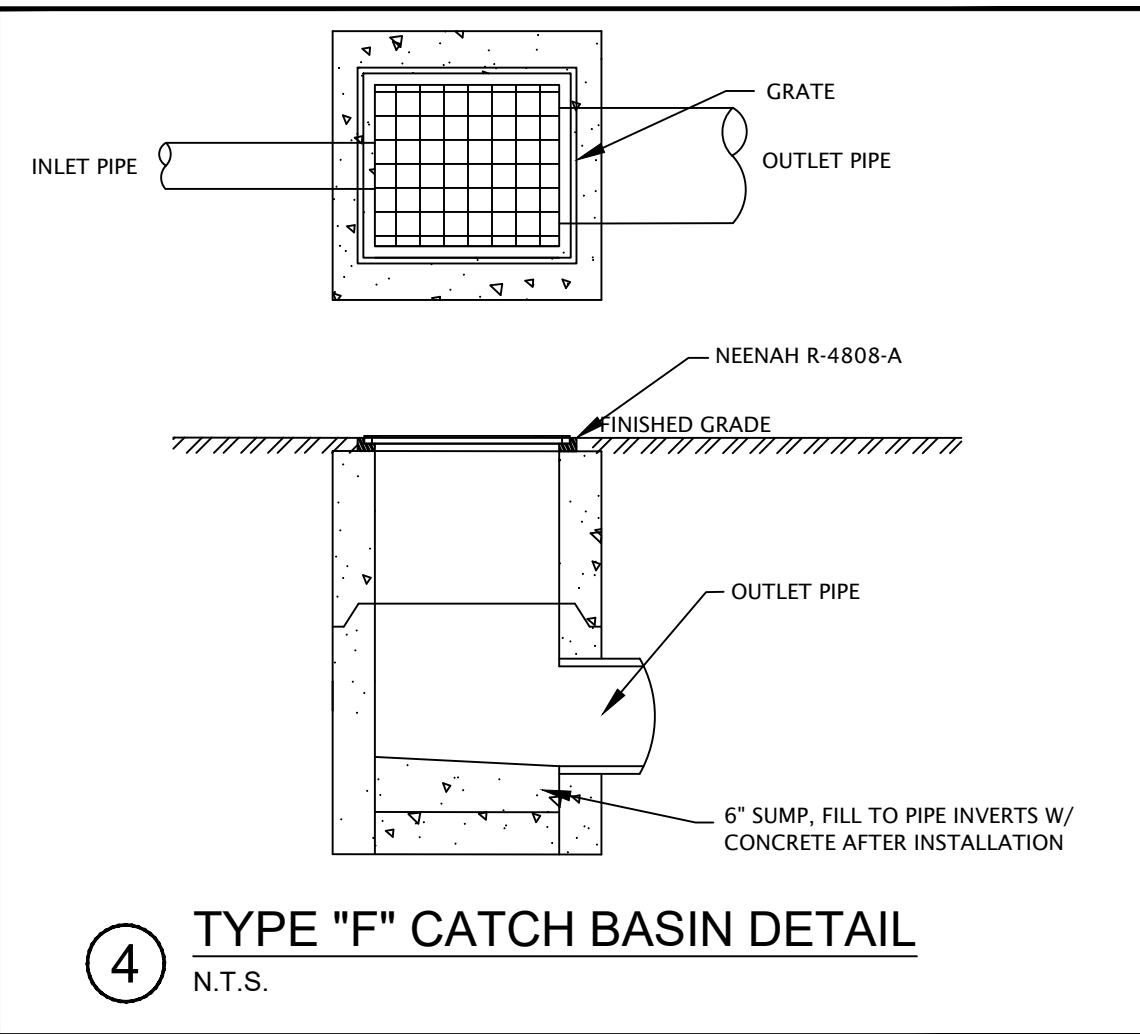
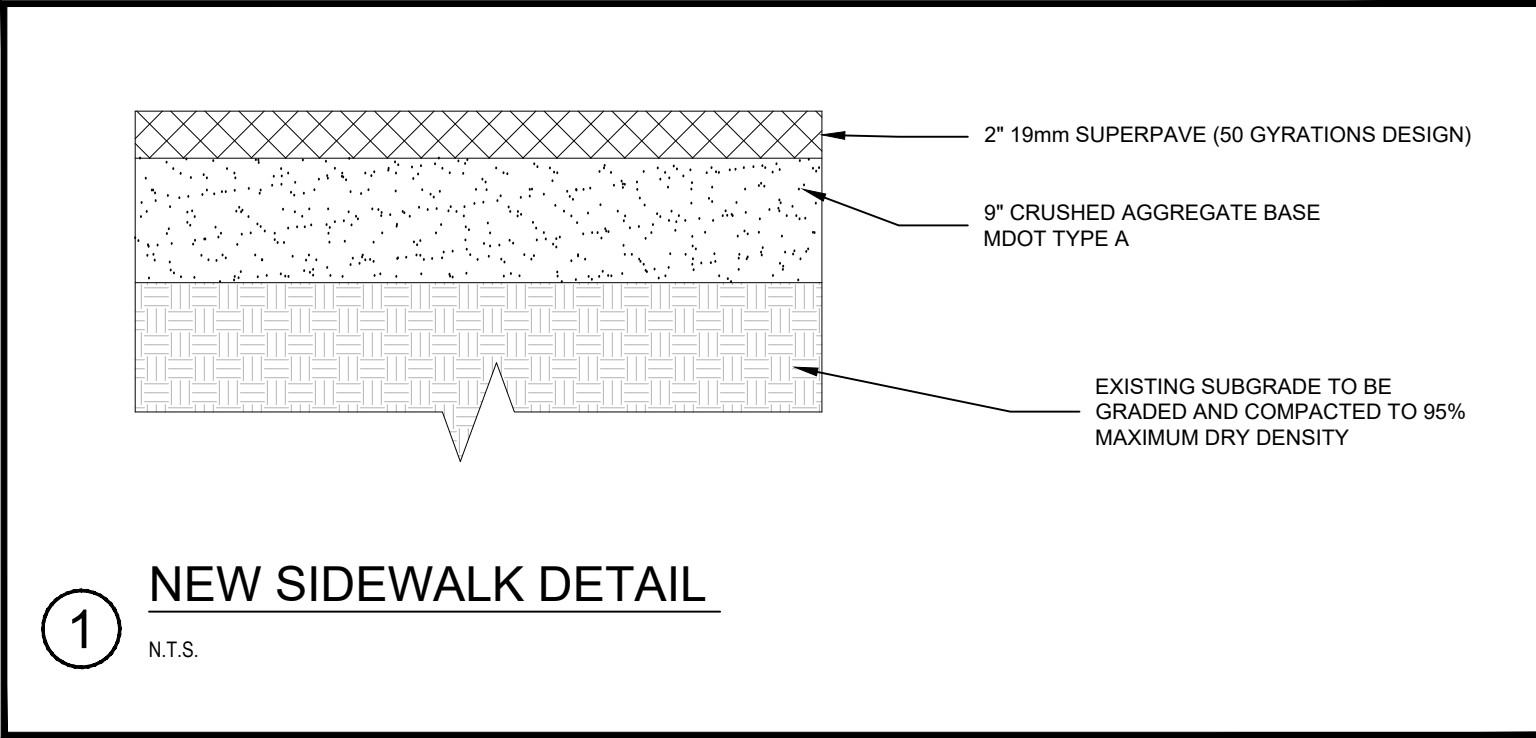
REGIONAL SCHOOL UNIT 57  
86 WEST ROAD  
WATERBORO, MAINE 04087

Atlantic Resource Consultants  
541 US Route One  
Freeport, ME 04032  
Tel: 207.869.9050

DRAWN: MPV	DATE:
DESIGNED: ADJ	SCALE: 1" = 20'
CHECKED: ADJ	JOB NO. 17-003
FILE NAME:	
SHEET: C-101B	

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ISSUED FOR BID