

FROM: Allied Engineering, Inc.
160 Veranda Street
Portland, Maine 04103
Telephone: (207) 221-2260

TO: Prospective Bidders, Suppliers, and Other Parties

RE: Addendum No. **Four (4)** to the Bidding Documents for:
NEW Crosby Vehicle Storage Garage, South Portland, ME

This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated November 22, 2021. Acknowledge receipt of this Addendum in the space provided on the Proposal Form. Failure to do so may subject Bidder to disqualification.

GENERAL - None

CONTRACTOR QUESTIONS/RESPONSES – See attached.

SPECIFICATIONS

1. **ADD** Section 077253 – Snow Guards in its entirety.

PLANS SHEETS & SKETCHES

1. **DELETE** Sheet C-404 in its entirety. **ADD** in its place Sheet C-404 in its entirety attached this addendum, revised January 12, 2022.
2. Drawing PP-100 (Sheet 25 of 32): **ADD** Key Note #1 at each of the three unit heaters, GUH-1, GUH-2, and GUH-3 to read as follows:

“ 1. FURNISH AND INSTALL AN APPLIANCE REGULATOR AS SPECIFIED AT THE GAS SERVICE FOR THE UNIT HEATER SIZED FOR 2 PSIG INLET PRESSURE AND 10” WC OUTLET PRESSURE, PER MANUFACTURERS REQUIREMENTS.”

ATTACHMENTS

A. Addendum Summary Document	(1 Page)
B. Contractor Questions/Response Table	(1 Page)
C. Specifications	(3 Pages)
D. Plan Sheets and Sketches	(1 Pages)
Total Page Count	<u>6 Pages</u>

SECTION 077253 - SNOW GUARDS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Rail-type, seam-mounted snow guards.

1.3 ACTION SUBMITTALS

- A. Product Data: Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for snow guards.
- B. Shop Drawings: Include roof plans showing layouts and attachment details of snow guards.
 - 1. Include details of rail-type snow guards.
 - 2. Include calculation of number and location of snow guards based on snow load, roof slope, roof type, components, spacings, and finish.
- C. Samples: Full-size unit.

1.4 INFORMATIONAL SUBMITTALS

- A. Product Test Reports: For each type of snow guard, for tests performed by manufacturer and witnessed by a qualified testing agency.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Performance Requirements: Provide snow guards that withstand exposure to weather and resist thermally induced movement without failure, rattling, or fastener disengagement due to defective manufacture, fabrication, installation, or other defects in construction.
 - 1. Temperature Change: 120 deg F (67 deg C), ambient; 180 deg F (100 deg C), material surfaces.
- B. Structural Performance:

1. Snow Loads: As indicated on Drawings.

2.2 RAIL-TYPE SNOW GUARDS

A. Seam-Mounted, Rail-Type Snow Guards:

1. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - a. Alpine SnowGuards; a division of Vermont Slate & Copper Services, Inc.
 - b. LMCurbs.
 - c. Metal Roof Innovations, Ltd.; S-5! Attachment Solutions.
 - d. Snow Management Systems; a division of Contek, Inc.
 - e. TRA-MAGE, Inc.
2. Description: Snow guard rails fabricated from metal pipes, bars, or extrusions, anchored to brackets and equipped with # rails determined by manufacturer designer, but not less than 2 rail with color-matching inserts of material and finish used for metal roofing.
3. Material and Finish: Aluminum; clear anodized.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates and conditions, with Installer present, for compliance with requirements for installation tolerances, snow guard attachment, and other conditions affecting performance of the Work.
 1. Verify compatibility with and suitability of substrates including compatibility with existing finishes or primers.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Clean and prepare substrates for bonding snow guards.
- B. Prime substrates according to snow guard manufacturer's written instructions.

3.3 INSTALLATION

- A. Install snow guards according to manufacturer's written instructions. Space rows as recommended by manufacturer.
- B. Attachment for Standing-Seam Metal Roofing:

1. Do not use fasteners that will penetrate metal roofing, or fastening methods that void metal roofing finish warranty.
2. Seam-Mounted, Rail-Type Snow Guards: Stainless-steel clamps attached to vertical ribs of standing-seam metal roof panels.

END OF SECTION 077253

GENERAL

- ALL DETAILS SHALL BE IN CONFORMANCE WITH MAINE DEPARTMENT OF TRANSPORTATION (MAINEDOT) STANDARD DETAILS HIGHWAYS AND BRIDGES 2014 WITH UPDATES AND MAINEDOT BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL LATEST REVISION UNLESS OTHERWISE INCLUDED IN THESE PLANS OR PROJECT SPECIFICATIONS.
- ALL EXISTING ROADWAYS USED IN ACCESSING THE SITE SHALL REMAIN CLEAN.
- THE CONTRACTOR SHALL SUBMIT THE PROPOSED STAGING AREA(S) AND FIELD TRAILER LOCATION TO THE RESIDENT FOR APPROVAL PRIOR TO STARTING WORK.
- CONTRACTOR IS REQUIRED TO MAINTAIN SAFE ACCESS TO PARKING AREAS FOR MTA EMPLOYEES AT ALL TIMES DURING CONSTRUCTION.
- A COPY OF THE "GEOTECHNICAL REPORT" IS INCLUDED WITH THE CONTRACT DOCUMENTS.
- DUST CONTROL IS INCIDENTAL TO CONTRACT.
- WASTE MATERIALS SHALL BE DISPOSED OFF OF THE PROJECT SITE, IN ACCORDANCE WITH CHAPTER 404, DEPARTMENT OF ENVIRONMENTAL PROTECTION SOLID WASTE MANAGEMENT RULES.
- GEOTECHNICAL INFORMATION FURNISHED OR REFERRED TO IN THIS PLAN SET IS FOR THE USE OF THE BIDDERS AND THE CONTRACTOR. NO ASSURANCE IS GIVEN THAT THE INFORMATION OR INTERPRETATIONS WILL BE REPRESENTATIVE OF ACTUAL SUBSURFACE CONDITIONS OF THE CONSTRUCTION SITE. THE MTA WILL NOT BE RESPONSIBLE FOR THE BIDDERS' OR CONTRACTOR'S INTERPRETATIONS OF, OR CONCLUSIONS DRAWN FROM, THE GEOTECHNICAL INFORMATION.
- THE CONTRACTOR WILL BE REQUIRED TO SUBMIT AS BUILT PLANS. THE MTA WILL REQUIRE A HARD COPY AS WELL AS AN ELECTRONIC COPY OF THE CAD FILES ON A THUMB DRIVE.
- ALL SITE WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

EARTHWORK

- EXCAVATIONS ACCOMPLISHED AS PART OF THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH OSHA SUBPART P OF 29 CFR PART 1926.650-652 (CONSTRUCTION STANDARDS FOR EXCAVATION).

UTILITY

- EXISTING UTILITIES ON THESE PLANS WERE COMPILED FROM FIELD SURVEY AND VARIOUS OTHER SOURCES. LOCATIONS ARE NOT GUARANTEED TO BE ACCURATE NOR IS IT GUARANTEED THAT ALL UTILITIES ARE SHOWN. NO SEPARATE OR ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR DUE TO ANY VARIANCE BETWEEN THE DATA SHOWN ON THE PLANS AND THE ACTUAL FIELD CONDITIONS ENCOUNTERED. NO WORK SHALL BE STARTED UNTIL THE OWNERS OF THE VARIOUS UTILITIES ARE NOTIFIED BY THE CONTRACTOR OF THE PROPOSED CONSTRUCTION. THE CONTRACTOR IS ALSO REQUIRED TO CONTACT DIG SAFE AT 1-888-7233, 811, OR WWW.DIGSAFE.COM IN CONFORMANCE WITH ALL STATE AND LOCAL LAWS, ORDINANCES, AND STATUTES.
- THE MAINE TURNPIKE AUTHORITY IS A NON-MEMBER UTILITY OPERATOR AND IS NOT REGISTERED WITH THE DIG SAFE SYSTEM. THE CONTRACTOR SHALL CONTACT ALL NON-MEMBERS THROUGH WWW.OKTODIG.COM OR AS OTHERWISE REQUIRED BY THE MAINE PUBLIC UTILITIES COMMISSION. ALL PROPOSED EXCAVATION LOCATIONS SHALL BE MARKED AT THE TIME OF NOTIFICATION. NO EXCAVATION SHALL BE PERMITTED UNTIL THE AUTHORITY HAS LOCATED AND MARKED ITS UNDERGROUND UTILITIES. THE RESIDENT ENGINEER SHALL BE PROVIDED AN ELECTRONIC COPY OF ALL DIG SAFE TICKETS WITH 24 HOURS OF THEIR RELEASE FOR PROJECT NOTIFICATIONS AND 3RD PARTY UTILITY LOCATOR COORDINATION.
- THE ANTICIPATED UTILITIES INVOLVED IN THIS CONTRACT ARE:

PORTLAND WATER DISTRICT
 MAINE TURNPIKE AUTHORITY
 CENTRAL MAINE POWER
 DEAD RIVER COMPANY

- CONTRACTOR SHALL PROTECT ALL NEW AND EXISTING UTILITIES FROM DAMAGE DURING THE CONSTRUCTION AS APPROVED BY THE UTILITY OWNERS.

EROSION CONTROL

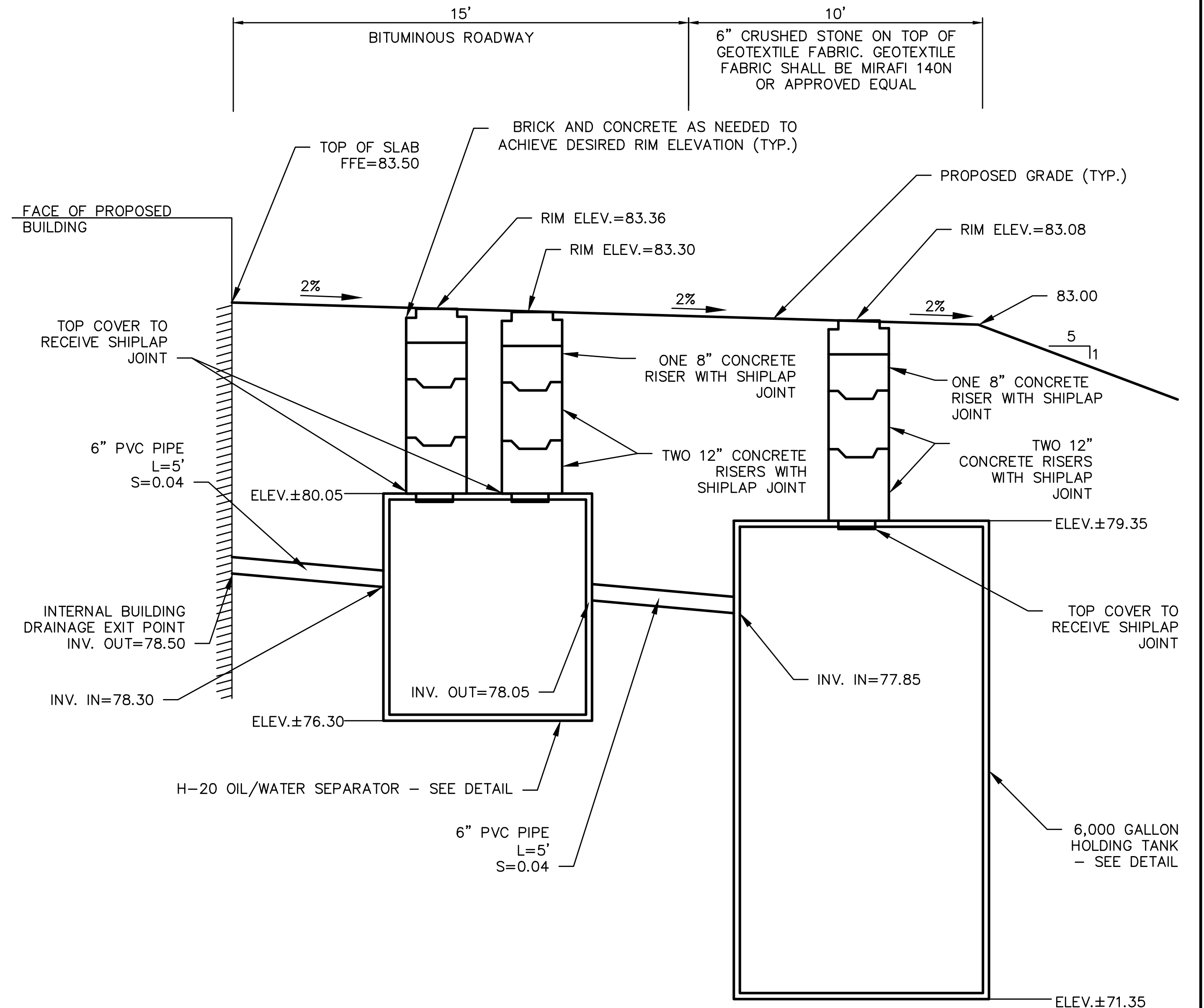
- THE ANTICIPATED EROSION CONTROL DEVICES ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL PROPOSE ACTUAL TYPE AND LOCATION OF DEVICES FOR APPROVAL BY THE RESIDENT. ADDITIONAL MEASURES MAY BE PROPOSED BY THE CONTRACTOR DUE TO SITE OR WEATHER CONDITIONS. THE RESIDENT MAY DIRECT THE CONTRACTOR TO IMPLEMENT ADDITIONAL MEASURES. ANY ADDITIONAL MEASURES APPROVED BY THE RESIDENT WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- NEWLY DISTURBED EARTH SHALL BE MULCHED PRIOR TO A RAIN EVENT. THIS WORK NOT BE PAID FOR SEPARATELY AND SHOULD BE CONSIDERED AS INCIDENTAL TO THE CONTRACT.
- ALL TEMPORARY AND PERMANENT EROSION CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE MAINE DEPARTMENT OF TRANSPORTATION BEST MANAGEMENT PRACTICES.
- TEMPORARY SEED SHALL BE APPLIED TO ALL DISTURBED AREAS THAT WILL NOT BE COMPLETED WITHIN 30 DAYS. TEMPORARY SEED SHALL BE INCIDENTAL TO THE CONTRACT.
- EROSION CONTROL BLANKET SHALL BE INSTALLED IN ALL DITCHES AND 2:1 SLOPES FROM TOP TO TOE OF SLOPE. LOAM AND SEED SHALL BE PLACED PRIOR TO THE INSTALLATION OF THE EROSION CONTROL BLANKET. LIMITS OF THE EROSION CONTROL BLANKET IN DITCHES SHALL BE 8' WIDE OR AS DESIGNATED BY THE RESIDENT.
- LOAM SHALL BE PLACED TO A DEPTH OF 4" UNLESS OTHERWISE SPECIFIED IN THE PLANS.

PAVING

- WHERE PROPOSED PAVEMENT JOINS EXISTING PAVEMENT, THE EXISTING PAVEMENT SHALL BE SAW CUT ALONG A SMOOTH LINE TO A NEAT, EVEN AND VERTICAL JOINT, AS DIRECTED BY THE RESIDENT. SAWCUTTING SHALL BE INCIDENTAL TO THE CONTRACT.
- ANY NECESSARY CLEANING OF EXISTING PAVEMENT PRIOR TO PAVING SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- A BITUMINOUS TACK COAT IS REQUIRED BETWEEN ALL PAVEMENT LIFTS.
- A BITUMINOUS TACK COAT IS REQUIRED ON ALL SAWCUT BUTT JOINTS.
- PLACEMENT OF THE FINAL LIFTS OF PAVEMENT SHALL BE DONE IN A MANNER TO LIMIT PAVEMENT JOINTS. CONTRACTOR SHALL COORDINATE WITH RESIDENT.

DRAINAGE

- NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE RESIDENT.
- INLETS AND OUTLETS OF ALL CULVERTS SHALL BE RIPRAPPED UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE RESIDENT.
- ALL DITCH ELEVATIONS AND OFFSETS SHOWN ON THE CROSS SECTIONS ARE FOR THE FINISHED DITCH FLOW LINE.
- ONE GREEN DELINEATOR POST SHALL BE INSTALLED AT ALL UNDERDRAIN AND STORM DRAIN OUTLETS.



**SPECIAL GRADING DETAIL
 HOLDING TANK AND OIL/WATER SEPARATOR**
 NOT TO SCALE

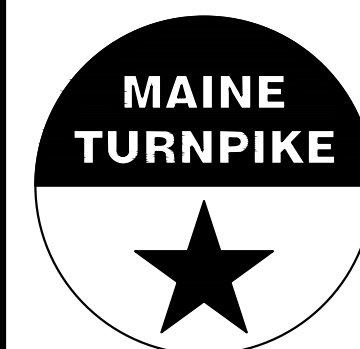
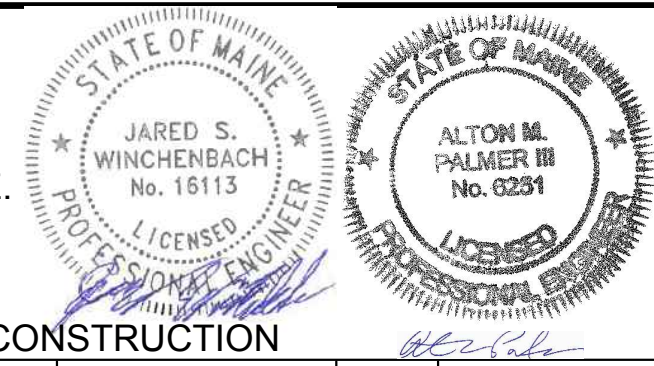
Scale: N/A

No.	Revision	By	Date
1	ADDENDUM #4	JSW	1/2022

Designed by:
 ALTON M. PALMER, P.E.
 JARED S. WINCHENBACH, P.E.

ISSUED FOR BID - NOT FOR CONSTRUCTION

By	Date	By	Date
Designed: JSW	11/22/2021	Checked: AMP	11/22/2021
Drawn: CEH	11/22/2021		



**THE GOLD STAR
 MEMORIAL HIGHWAY**

PROJ. NO.: 3661 CAD FILE: 3661-DETAILS.dwg

MTA PROJECT MANAGER: **Brian A. Taddeo, P.E.**

**CONTRACT 2021.06
 CROSBY VEHICLE STORAGE GARAGE
 GENERAL NOTES AND DETAILS - 4**

CONTRACT: 2021.06

SHEET NUMBER: C-404

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