MAINE TURNPIKE AUTHORITY

ADDENDUM NO. 2

CONTRACT 2026.08

KENNEBUNK MAINTENANCE FIRE PROTECT MITIGATION MM 25.3

The bid opening date is Tuesday, May 26, 2026, at 1:00 p.m.

The following changes are made to the Proposal, Specifications, and Plans.

PROPOSAL

- P-3 to P-5 is replaced with P-3 to P-5.

SPECIAL PROVISIONS

- Special Provision 203 Contaminated Soil and Groundwater Management has been added.
- Special Provision 411 Untreated Aggregate Surface Course has been added. This replaces Item 310.23 with Item 411.095.
- Special Provision 403 Hot Mix Asphalt Pavement, page SP-20, make the following Pen & Ink Change: replace Item 403.207 with Item 403.208 in the Full Depth Table.
- Special Provision 502 Structural Concrete is deleted in its entirety.
- Special Provision 825, pages SP-43 to SP-46, remove and replace the pages. Item 825.800 Gate Valves (6" DI CL 52) and Item 825.900 Blow Off (1" Type 'K' Copper) have been added.
- Division 08 – Openings 081113 HOLLOW METAL DOORS AND FRAMES, page 081113 – 3, remove and replace the page.
- Division 08 – Openings 087100 DOOR HARDWARE, page 087100 – 7, remove and replace the page.
- Division 26 – Electrical 260533.13 CONDUITS FOR ELECTRICAL SYSTEMS, pages 260533.13 – 1 to 260533.13 - 7, remove and replace the pages.

PLANS

- Sheets 8, 10, 16, 17, 27, and 29 shall be removed and replaced with sheets that are included in this Addendum Number 2.

QUESTIONS

1. **Question:** Is stainless steel emt to be used in this project?
   Response: Stainless steel EMT is not required. Spec. Section 260533.13 has been updated and is part of Addendum Number 2.

2. **Question:** Electrical spec calls for conduit to be color coded as shown on drawing, where is color coded shown?
   Response: Color coding of conduit is not required.

3. **Question:** E101 note#14 asks for conduit for access controls, what size conduit to each location?
   Response: The access control detail on E-501 includes conduit sizes for the access control door locations. The location of the access control security panel will have to be coordinated with MTA's provider (Galaxy).

4. **Question:** I don't believe this project requires any level 3 or 4 NICET EPT testing.
   Response: Refer to Section 211313 1.7 both FA and FP NICET requirements.

5. **Question:** What manufacture is required for FACP(s)?
   Response: There is no preferred manufacturer for the FACP(s).

6. **Question:** What do the 3" conduits in Civil drawings tie into?
   Response: Plan Sheets 8 and 10 provide locations for conduits entering the building. Detail for door access control system is shown on Plan Sheet 60.

7. **Question:** Is there a detail showing the 3" schedule 80 conduits entering the building(s)?
   Response: Refer to details on revised Sheet 29 that is included in this Addendum Number 2. Contractor shall also account for PVC 90 degree elbow and expansion coupling fittings.

8. **Question:** Is a building permit from the Town of Kennebunk required for this work?
   Response: MTA will submit a courtesy building permit application; however, no building permit is required.

9. **Question:** Will this fee be paid by the contractor?
   Response: Contractor will not be responsible for the building permit fee.

10. **Question:** Specs indicate the project is subject to Liquidated Damages but don't seem to show an amount. What are the specific liquidated damages for this project? *Specs indicate retainage but do not appear to show the amount withheld. Please clarify total retainage for the project.
    Response: Please refer to MTA 2016 Supplemental Specifications: https://www.maineturnpike.com/projects/construction-related-documents

11. **Question:** Is the Contractor required to carry Builders Risk, OCP, or OPL insurance for this project?
    Response: Owner's and Contractor's Protective Liability is covered in section 110.3.5 of MTA 2016 Supplemental Specifications: https://www.maineturnpike.com/projects/construction-related-documents Builders Risk is covered in section 110.3.6 of supplementals. None was required for this project.

12. **Question:** Liquidate Damages: Please Clarify. Special Provisions in the MTA IFC Specifications references subsection 107.8 for liquidated damages. Confirm there is indeed a subsection 107.8 in the specifications. What are the liquidated damages associated with this project (if any).
    Response: Please refer to MTA 2016 Supplemental Specifications https://www.maineturnpike.com/projects/construction-related-documents

13. **Question:** Bid item No 310.23 3" Recycled Asphalt Pavement is marked as pricing for placement only. Is the MTA supplying the recycled asphalt?
    Response: Item 310.23 is replaced by Item 411.095. See revised Special Provision that is included in this Addendum Number 2.

14. **Question:** Are the water distribution piping materials to meet Kennebunk, Kennebunkport, & Wells Water District specifications?
    Response: Yes.

15. **Question:** Are any pavement markings disturbed throughout the project to be replaced by the contractor? If so, what bid item will this be paid under?
    Response: No.

16. **Question:** Are precast thrust blocks acceptable in lieu of cast-in-place thrust blocks?
    Response: Yes, precast thrust blocks will be allowed provided there is no contact with the flanges/grip rings.

17. **Question:** How is the area under the haunched slab to be backfilled after fire service riser is installed. A small portion of the slab will be undermined. Will flowable fill be required?
    Response: If backfill is unable to be compacted by use of mechanical or pneumatic tools, then excavatable flowable fill would be acceptable.

18. **Question:** What material are the existing 6" and 8" mains that are to be tapped?
    Response: The 6" and 8" water mains to be tapped are ductile iron.

19. **Question:** Special Provision 403 specifies Hydrated Lime and Zycotherm. Is this required for trench patching of the parking lot?
    Response: No, Complementary Note H does not apply to Item 403.208. Note that Item 403.208 is to replace Item 403.207. See Pen and Ink changes for Special Provision 403 listed above.

20. **Question:** Is the hot mix asphalt pavement to be polymer modified?
    Response: No.

21. **Question:** Interior Door Gauge Please confirm required interior door face gauge, as Section 08 11 13 lists ANSI/SDI Level 1 / Level C but specifies 0.032 inch door faces.

Response: Provide MSG 20 See Pen and Ink changes for Division 08 Openings 081113 listed above.

22. **Question:** Interior Frame Gauge Please confirm required interior frame gauge, as Level C is specified but frame thickness is listed as 0.042 inch.
Response: Provide MSG 18. See Pen and Ink changes for Division 08 Openings 081113 listed above.

23. **Question:** Exterior Door Gauge Please confirm whether 14 ga exterior doors are required, or if 16ga Level 2 / Level B construction is acceptable.
Response: 16 GA Level 2 / Level B for exterior doors is acceptable. See Pen and Ink changes for Division 08 Openings 081113 listed above.

24. **Question:** Please confirm whether 14 ga exterior frames are required, as this exceeds typical Level 2 / Level B construction.
Response: 14 GA for exterior door frames is acceptable. See Pen and Ink changes for Division 08 Openings 081113 listed above.

25. **Question:** Manufacturer De La Fontaine and Phillips will meet Hollow Metal Doors and Frames spec. Please confirm if they are an approved manufacturer.
Response: De La Fontaine and Philips doors may be approved provided they meet the specifications.

26. **Question:** Interior Door Core Please confirm required interior door core type, as none is specified in Section 08 11 13.
Response: Door core may be one of any manufacturer's standard material that meets the thermal and structural performance requirements in the specifications.

27. **Question:** Access Control Scope for hardware sets that include electrified locks, please clarify whether access control devices, power supplies, and wiring are by Division 08 or by others.
Response: Access control devices and wiring are by the MTA security subcontractor.

28. **Question:** Cylinder Security Level by Set Section 08 71 00 specifies both standard and high security cylinders; please confirm which hardware sets (#1–#4) require high security cylinders.
Response: Standard lock cylinders are required. Refer to revised page 087100 – 7 that is included in this Addendum Number 2.

29. **Question:** Hardware Sets Please confirm whether there is a basis of design manufacturer and model series intended for door hardware sets #1–#4, or if hardware is to be contractor selected based solely on compliance with Section 08 71 00.
Response: Door Hardware manufacturer must have hardware that meets specifications and ANSI/BHMA requirements per specifications. Preferred manufacturers include, but are not limited to:
Best Access Systems, Stanley Security Solutions, Inc.
Corbin Russwin, Inc. an ASSA ABLOY Group Company

SARGENT Manufacturing Company, ASSA ASBLOY

30. **Question:** Looking at the Bid form / Schedule of Prices it is states it is based on approximate quantities and will be used solely for the comparison of bids, There is no place for general conditions/supervision. Should all general conditions and demolition and other items not mentioned be allocated throughout the lines provided?
    Response: Yes.

31. **Question:** Is the slab in the Eight Bay North Garage heated?
    Response: No.

32. **Question:** Is the site control by gate access?
    Response: No.

33. **Question:** Is there a budget for the project?
    Response: Refer to the Maine Turnpike Authority Four Year Capital Investment Plan (2026-2029) at the follow in link https://www.maineturnpike.com/projects/planning-projects

34. **Question:** Can material be stored on site?
    Response: Yes, with coordination with the Maine Turnpike Authority.

35. **Question:** 202.203 Pavement butt joints: Does this cover grinding and overlaying in the butt joints? Or does this cover grinding and the asphalt is paid for under 403.207?
    Response: No. Pavement removal is paid for under Item 202.203 and Pavement is paid for under Item 403.208.

36. **Question:** 203.2333 Disposal & treatment of special excavation: What is paid for under this line item? I don't see "special excavation" defined in the specs. Is this paying for all material excavated and hauled off (not re-used in the trench when backfilling)?
    Response: See Addendum Number 2 Special 203 Contaminated Soil and Groundwater Management. Contaminated Soil and Groundwater are not anticipated at this location.

37. **Question:** 203.234 Treatment or disposal of contaminated groundwater: Not anticipating any contaminated groundwater here. Is there a specific reason this bid item is included?
    Response: See Addendum Number 2 Special 203 Contaminated Soil and Groundwater Management. Contaminated Soil and Groundwater are not anticipated at this location.

38. **Question:** 206.061 Structural earth excavation-drainage & minor structures below grade: I don't believe there are any drainage or minor structures on this project

Response: Structural Earth Excavation is not anticipated at this location but included as contingency.

39. **Question:** 502.56 Structural concrete: Only concrete I see are thrust blocks and bollards, and bollards are paid for under item 832.41

Response: SP Section 502 Structural Concrete and Item 502.56 are removed from the contract as included in this Addendum No. 2.

40. **Question:** May we have direction on the Pressure Class called out between the drawings vs. the specs. Will MTA desire 250PSI DR9 or 200PSI DR11?

Response: Reference to 200PSI in 825.03 has been revised to 250PSI as listed above.

SUMMARY OF WATER DISTRICT REVISIONS

1. A combination of HDPE and Ductile Iron Piping has been identified on the plans. Note that AWWA C900 PVC is an acceptable alternative to HDPE.
2. All plastic pipe will require tracer wire. See Details 1 and 3 on C-503.
3. All ductile iron pipe must be poly wrapped.
4. Three 1" blow-off valves have been added to the plans. See C-103 and Detail 8 on C-504.
5. Four 6" gate valves have been added to the plans. See C-103.

ATTACHMENTS

- PROPOSAL SHEETS P3 to P5 (3 pages)
- SPECIAL PROVISION 203 (6 pages)
- SPECIAL PROVISION 411 (2 pages)
- SPECIAL PROVISION 825 (5 pages)
- SECTION 081113 – HOLLOW METAL DOOR AND FRAMES (1 pages)
- SECTION 087100 – DOOR HARDWARE (1 page)
- SECTION 260533.13 - CONDUITS FOR ELECTRICAL SYSTEMS (7 pages)
- Plan Sheets 8, 10, 16, 17, 27, and 29 (6 pages)

Notes: The above items shall be considered as part of the bid submittal.

The total number of pages included with this addendum is thirty-seven pages (37).

All bidders are requested to acknowledge the receipt of the Addendum No. 2 by signing below and e-mailing this sheet to Nathaniel Carll, Purchasing Department, Maine Turnpike Authority at ncarll@maineturnpike.com. Bidders are also required to acknowledge receipt of Addendum No. 2 on Page P-6 of the bid package.

_____

Business Name

_____

Print Name and Title

_____

Signature

_____

Date
May 19, 2026

Very truly
yours,

MAINE TURNPIKE AUTHORITY

_____

Nathaniel Carll
Purchasing Department
Maine Turnpike Authority

SCHEDULE OF BID
PRICES CONTRACT
NO. 2026.08

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
202.203	Pavement Butt Joints	Square Yard	125				
203.2312	Health and Safety Plan	Lump Sum	1				
203.2333	Disposal and Treatment of Special Excavation	Ton	50				
203.234	Treatment or Disposal of Contaminated Groundwater	Gallon	500				
206.061	Structural Earth Excavation – Drainage & Minor Structures Below Grade	Cubic Yard	100				
304.10	Aggregate Subbase Course (MDOT Type D)	Cubic Yard	440				
304.14	Aggregate Base Course (MDOT Type A)	Cubic Yard	100				
~~310.23~~	~~3" Recycled Asphalt Pavement (Pricing for placement only)~~	~~SY~~	~~885~~				
403.20~~87~~	HMA 12.5mm	TON	130				
				CARRIED FORWARD:			

Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				Dollars	Cents	Dollars	Cents
			BROUGHT FORWARD:				
409.15	Bituminous Tack Coat RS-1 or RS1h - Applied	GAL	25				
411.095	Untreated Aggregate Surface Course	SY	885				
419.30	Sawing Bituminous Pavement	Linear Foot	1,700				
~~502.56~~	~~Structural Concrete~~	~~Cubic Yard~~	~~5~~				
615.07	Loam	Cubic Yard	52				
618.13	Seeding Method 1	Unit	5				
619.1202	Temporary Mulch	Lump Sum	1				
626.121	Quazite Junction Box (36x24)	Each	3				
655.2041	Electrical (3″ Conduit-1 Way duct bank)	Linear Foot	290				
655.2043	Electrical (3″ Conduit-3 Way duct bank)	Linear Foot	2,850				
656.75	Temporary Soil Erosion and Water Pollution Control	Lump Sum	1				
800.701	Fire Protection and Structural Improvements (8 Bay South)	Lump Sum	1				
800.702	Fire Protection and Structural Improvements (8 Bay North)	Lump Sum	1				
800.703	Fire Protection Improvements (10 Bay and adjoining 4 Bay Storage)	Lump Sum	1				
800.704	Fire Protection Improvements (10 Bay)	Lump Sum	1				

				CARRIED FORWARD:			
Item No	Item Description	Units	Approx. Quantities	Unit Prices in Numbers		Bid Amount in Numbers	
				BROUGHT FORWARD:		Dollars	Cents
825.461	Water Main (6″ HDPE DR 9)	Linear Foot	1,100				
825.601	Water Main (6″ DI CL 52)	Linear Foot	50				
825.700	Water Main (Fire Hydrant)	Each	1				
825.800	Gate Valves (6″ DI CL 52)	Each	6				
825.900	Blow Off (1″ Type ‘K’ Copper)	Each	3				
832.41	Type A Steel Site Bollard	Each	6				
				TOTAL:			

SPECIAL PROVISION

SECTION 203

EXCAVATION AND EMBANKMENT

(Contaminated Soil and Groundwater Management)

203.01 General

Contaminated Soil and Groundwater is not known to be present within the project limits. Unanticipated soil and groundwater contamination, if encountered, shall be managed in accordance with this Specification.

The work under this Specification shall be performed in conformance with the procedures and requirements described herein for the following activities: contaminated soil handling, reuse, temporary stockpiling, transportation, storage and disposal and contaminated water handling, storage, treatment, and disposal. This Specification also addresses contaminated soil location, identification and classification. The intent of this Specification is to ensure that contaminated soil and/or water encountered during construction will be managed in a manner that protects worker health and safety, public welfare and the environment.

203.02 Unanticipated Contamination.

If the Contractor encounters previously undiscovered contamination or potentially hazardous conditions related to contamination, the Contractor shall suspend work and secure the area. The Contractor will then notify the Resident immediately. The Resident will then notify the Authority. Potentially hazardous conditions include, but are not limited to, buried containers, drums, tanks, oil saturated soils, strong odors, or the presence of petroleum sufficient to cause a sheen on the groundwater. The area of potential hazard shall be secured to minimize health risks to workers and the public and to prevent a release of contaminants into the environment. The source of the suspected contamination will be evaluated by the Resident (or MTA Environmental representative). As appropriate, the Resident will notify the Maine Department of Environmental Protection's Response Services Unit in Augusta and the Authority's Environmental Services Coordinator. The Contractor will evaluate the impact of the hazard on construction, Prepare a Heath and Safety Plan (HASP) and, with the Resident's approval, restart work in accordance with the procedures of this Special Provision.

203.03General Procedure for Excavating Contaminated Soils and Groundwater

The MTA and Resident Engineer will engage an environmental professional including a Maine Certified Geologist to oversee facility removal work, provide field screening services with a Photo-Ionization Detector (PID) and oleophilic dye tests in accordance with DEP SOP TS004, and prepare appropriate UST closure reports for MTA to submit to DEP in accordance with Chapter 691.

The Contractor shall assume any groundwater encountered during excavation is contaminated and properly containerize and dispose of the groundwater offsite at a licensed disposal facility.

Excavated soils will be classified by Maine Turnpike's Environmental Consultant based on their visual and olfactory evidence of contamination and by accepted field screening. Field screening shall be performed according to the Maine DEP Appendix Q of 06-096, Chapter 691 Rule for Underground Oil Storage Facilities.

The soils will be classified by the Resident/Authority's Consultant according to Table 1, Section 5.4 of Maine DEP's Standard Operating Procedure #12, Managing Non-Hazardous Petroleum Contaminated Ground Water and Soil at UST Sites (SOP 12). Classifications are: "Minimally Contaminated", "Slightly Contaminated", or "Moderately to Substantially Contaminated"; briefly described below and in more detail in the Appendix – Maine DEP's SOP 12.

MINIMALLY CONTAMINATED soils shall have Photo-Ionization Detector (PID) field screening measurements indicating gasoline contamination of less than or equal to 10 parts per million (ppm) as measured in the soil headspace.

SLIGHTLY CONTAMINATED soils shall have PID field screening measurements greater than 10 ppm and less than the Leaching to Ground Water Field Cleanup Guideline or the oleophilic dye test for fuel oil contamination is, "slightly positive".

MODERATELY TO SUBSTANTIALLY CONTAMINATED soils shall have PID field screening measurements greater than the Leaching to Ground Water Field Cleanup Guideline or the oleophilic dye test for fuel oil contamination is "saturated or positive".

Handling and Disposition of Soil Materials

Soil material excavated during construction shall be handled as follows:

Soils classified as MINIMALLY CONTAMINATED can generally be used as construction fill on site. See Maine DEP SOP 12 for more information.

Soils classified as SLIGHTLY CONTAMINATED may be used onsite if test results are below the noted limits or they shall be properly disposed of according to test results and guidelines contained in Maine DEP SOP 12.

Soils classified as MODERATELY TO SUBSTANTIALLY CONTAMINATED shall not be excavated without prior approval by the Resident. The Contractor shall arrange and undertake disposal of these soils at a landfill or treatment facility licensed to accept petroleum contaminated special waste. The Contractor is responsible for all additional testing required by the disposal facility. These soils that cannot be disposed of within eight-hours of excavation shall be stored in a Temporary Secured Stockpile Area (as defined below). If the Contractor proposes other disposal or treatment options, the Contractor is solely responsible for obtaining the associated permits and approvals from all relevant Municipal, State and Federal agencies at no additional cost to the Authority.

The Authority's designated representative is responsible for signing any manifests or bills of lading required to transport and dispose of contaminated soil. All documentation and paperwork associated with the transport and disposal of lightly or highly contaminated soils (i.e.,

manifests/bills of lading, weigh slips, invoices, permits, etc.) shall be forwarded to the Maine Turnpike Authority's Environmental Services Coordinator at 2360 Congress Street, Portland, Maine 04102 within 30 days of the last shipment of soil to the licensed facility.

203.04 Secured Stockpile Area

Should the Contractor utilize a Temporary Secured Stockpile Area (hereafter referred to as a "Secured Stockpile"), they shall install a continuous one-foot (0.30 m) high compacted soil berm around the Secured Stockpile (see Secured Stockpile Area – Materials below for Specifications pertaining to soil berm, liner, cover and barricades). The Secured Stockpile shall be placed on a liner of 20-mil polyethylene and securely covered with 20-mil polyethylene. The polyethylene liner and cover shall be placed over the soil berm and be installed to ensure that precipitation water drains directly to the outside of the berm perimeter while leachate from the contaminated soil is retained within the stockpile by covering with a polyethylene. The Secured Stockpile and soil berm shall be enclosed within a perimeter of temporary concrete barriers or security fence. The area within the temporary concrete barriers (or security fence) shall be identified as a "restricted area" to prevent unauthorized access to the contaminated soils. The Contractor shall submit to the Resident a plan (sketch and sections) of the proposed secured stockpile area.

203.05 Secured Stockpile Area - Materials

A. Polyethylene. Polyethylene used for liner and cover in the Secured Stockpile Area shall have a minimum of 20-mil thickness and shall meet the requirements of ASTM D3020.

B. Common Borrow. Fill used in the construction of the Temporary Secured Stockpile Area soil berm shall consist of Common Borrow and meet the requirements of Subsection 703.18.

C. Concrete Barriers or Security Fence. Concrete Barriers or Security Fence to form the sides of the Temporary Secured Stockpile Area shall meet the requirements of Section 526 or Subsection 607.

203.06 Health and Safety/Right-to-Know

Contractors and subcontractors are required to notify their workers of the history of the area and contamination that may be present and to be alert for evidence of contaminated soil and groundwater. The Contractor shall notify the Resident at least 72-hours prior to commencing any excavation.

The Contractor shall prepare a site specific Health and Safety Plan (HASP) for its workers and subcontractors who may work in the contaminated area of the site. A Qualified Health and Safety Professional shall complete the HASP. The HASP shall be submitted to the Authority in accordance with the Submittal section below. The Qualified Health and Safety Professional will be an expert in field implementation of the following federal regulations:

29 CFR 1910.120 or	Hazardous Waste Operations, and
29 CFR 1926.65	Emergency Response

29 CFR 1910.134 Respiratory Protection

29 CFR 1926.650 Subpart D - Excavations

29 CFR 1926.651 General Requirements

29 CFR 1926.652 Requirements for Protective Systems

The Contractor shall designate a person to provide direct on-site supervision of the work in the contaminated area. This person shall have the training and medical surveillance under OSHA 1910.120 (e) and (f) respectively, as detailed above and in addition be qualified as a construction Competent Person [OSHA 1926.32 (f) and (l)]. It is the responsibility of this designated person to make those inspections necessary to identify situations that could result in hazardous conditions (e.g., possible cave-ins, indications of failure of protective systems, hazardous atmospheres, or other hazardous conditions), and then to ensure that corrective measures are taken.

Work inside contaminated trench sections may be subject to OSHA's permit-required confined space regulations under 29 CFR 1910.146.

Submittals. If contaminated soils are encountered the Contractor shall prepare and submit a site specific Health and Safety Plan (HASP) to the Resident for review, and receive approval, prior to completing any additional excavation work in the vicinity of the contaminated area. The Maine Turnpike and its Environmental Services Coordinator will review and comment on the HASP within five business days.

Health and Safety Monitoring. Within the contaminated area of the Project, the Contractor's designated person shall monitor the worker breathing zone for those constituents specified in the Contractor's HASP. The Contractor shall provide all required health and safety monitoring equipment.

203.07 Dewatering

Groundwater may be encountered during excavation for the foundation and utility work. If encountered and should its removal become necessary to complete work, it will be treated as "contaminated" water. The Contractor shall inform the Resident before any dewatering commences. The "contaminated" water shall be pumped into a temporary holding tank(s). The Contractor will be responsible for the procurement of any holding tank(s). Any testing, treatment and/or disposal of the stored, petroleum contaminated water shall be undertaken by the Contractor in accordance with applicable Federal, State and local regulatory requirements.

203.08 On-Site Water Storage Tanks - Materials

If dewatering within the identified contaminated area becomes necessary the holding tanks used for temporary storage of contaminated water pumped from excavations shall be contamination-free and sized appropriately for Contractor's storage, treatment, and disposal process.

203.09 Dust Control

The Contractor shall employ dust control measures to minimize the creation of airborne dust during construction within the contaminated area. As a minimum, standard dust control techniques shall be employed where heavy equipment and the public will be traveling. These may include techniques such as watering-down the site or spreading hygroscopic salts.

203.10 Method of Measurement.

This work will be measured for payment as appropriate, and as approved by the Resident, if potentially contaminated soils are encountered on site.

Health and Safety Plan (HASP) will be measured for payment by the Lump Sum.

Disposal/Treatment of Special Excavation will be measured for payment by the Ton.

Disposal/Treatment of Groundwater will be measured for payment by the Gallon.

203.11 Basis of Payment.

Health and Safety Plan (HASP) will be paid for at the Contract Lump Sum price which payment shall be full compensation for development of an approved HASP and providing health and safety equipment and personnel.

Disposal/Treatment of Special Excavation (contaminated soils) will be paid for at the Contract unit price per Ton which payment shall be full compensation for excavating, loading, hauling, treatment, placing, grading and compacting, and all necessary equipment and labor. Only soil excavated from within the area shown on the plans or as designated by the Resident will be paid under this pay item.

Disposal/Treatment of Contaminated Groundwater will be paid for at the Contract unit price per Gallon which payment shall be full compensation for pumping excavations, loading, hauling, treatment, and all necessary equipment and labor. Only groundwater pumped, treated and disposed of properly from the site will be paid under this pay item. Any water that is not required to be treated will not be paid for. Contractor is to propose and submit for review measurement and calibration of meter for pumped water.

There will be no measurement for identification and environmental screening of contaminated soil material or groundwater (this will be done by the Resident or Authority's Environmental Services Coordinator).

Construction of a Temporary Secured Stockpile Area, or groundwater holding tank, if necessary, will not be measured separately for payment, but shall be incidental to Items 203.2312, 203.2333, and 203.2334.

Hauling Surplus contaminated soils to the Temporary Secure Stockpile area or placement and removal of contaminated soils in or out of the Temporary Secure Stockpile area will not be

measured separately for payment, but shall be incidental to Items 203.2312, 203.2333, and 203.2334.

All hauling and any subsequent management/placement of contaminated soils and/or groundwater shall be incidental to Items 203.2312, 203.2333, and 203.2334.

There will be no separate measurement for additional laboratory testing of contaminated soil that is required by the landfill or treatment facility. Testing shall be incidental to Item 203.2333, and 203.2334.

Payment will be made under:

Pay Item		Pay Unit
203.2312	Health and Safety Plan	Lump Sum
203.2333	Disposal/Treatment of Special Excavation	Ton
203.2334	Disposal/Treatment of Groundwater	Gallon

SPECIAL PROVISION

SECTION 411

UNTREATED AGGREGATE SURFACE COURSE

(Maine Turnpike Authority Supplied)

411.01 Description

The following paragraph is added:

This work shall consist of constructing a surface course of untreated aggregate on an approved aggregate subbase course in accordance with these specifications and in reasonably close conformity with the lines, grades, thickness and typical sections shown on the plans or established.

411.02 Aggregates

The following paragraph is added:

The Maine Turnpike Authority will have a stockpile of I-95 mainline pavement millings on-site at the Kennebunk Maintenance Facility for placement by the contractor.

411.03 Placing

The following paragraph is added:

The Contractor shall provide their own equipment to load and haul Maine Turnpike Authority Supplied pavement millings at the Kennebunk Maintenance Facility. The pavement millings will be stockpiled on-site at the Kennebunk Maintenance Facility.

411.07 Method of Measurement

The following paragraph is added:

Untreated Aggregate Surface Course – MTA Supplied will be measured by the square yard in place.

411.08 Basis of Payment

The following paragraph is added:

The accepted quantities of Untreated Aggregate Surface Course – MTA Supplied will be paid for the respective price per square yard. Payment shall include loading, hauling, placing, grading, compacting and

and all incidentals necessary to complete the work.

Payment will be made under:

Pay Item		Pay Unit
411.095	Untreated Aggregate Surface Course – MTA Supplied	Square Yard

SPECIAL PROVISION

SECTION 825

WATER DISTRIBUTION PIPING

825.01 Description

This section shall replace SECTION 625 of the State of Maine Department of Transportation Standard Specifications Revision of March 2020 for the purposes of this Contract.

This work shall consist of installing fire water mains, fire water services and accessories in reasonably close conformity with the lines and grades shown on the plans or established. The installation shall include the assembly of all components and materials shown on the plans or as directed.

The work in this Section shall also include the following:

- Furnishing and installation of pipe, valves, service boxes, fittings, hydrants and any required accessories for a complete water main loop.
- Connections to existing water systems.
- Setting service boxes and covers to finish grade.
- Disinfection and testing.

825.02 General

This work shall be done with as little interruption of water service as possible. Ample notification shall be given to the users of the water before any disruption of water service.

A. Preparation for Transport: Prepare piping, valves, meters, backflow prevention devices, and fire hydrants according to the following:

1. Ensure that piping, valves, meters, backflow prevention devices, and fire hydrants are dry and internally protected against rust and corrosion.
2. Protect threaded ends and flange faces against damage.
3. Set piping, valves, meters, backflow prevention devices, and fire hydrants in best position for handling and to prevent rattling.

B. During Storage: Use precautions for piping, valves, meters, backflow prevention devices, and fire hydrants according to the following:

1. Do not remove end protectors unless necessary for inspection; then reinstall for storage.
2. Protect from weather. Store indoors and maintain temperature higher than ambient dew point temperature. Support off the ground or pavement in watertight enclosures when outdoor storage is necessary.

C. Handling: Use sling to handle products if size requires handling by crane or lift. Rig products to avoid damage to exposed parts. Do not use handwheels or stems as lifting or rigging points.

D. Deliver piping with factory-applied end caps. Maintain end caps through shipping, storage, and handling to prevent pipe-end damage and to prevent entrance of dirt, debris, and moisture.

E. Protect stored piping from moisture and dirt. Elevate above grade. Do not exceed structural capacity of floor when storing inside.

F. Protect flanges, fittings, and specialties from moisture and dirt.

G. Store plastic piping protected from direct sunlight. Support to prevent sagging and bending.

825.03 Materials

Pipe

A. Mechanical-Joint, Ductile-Iron Pipe:

1. AWWA C151/A21.51, with mechanical-joint bell and plain spigot end unless grooved or flanged ends are indicated.
2. AWWA C104/A21.4 cement mortar-lined.

B. Mechanical-Joint, Ductile-Iron Fittings:

1. AWWA C110, ductile- or gray-iron standard pattern or AWWA C153/A21.53, ductile-iron compact pattern.
2. Glands, Gaskets, and Bolts: AWWA C111/A21.11, ductile- or gray-iron glands, rubber gaskets, and steel bolts.

C. PE, Fire-Service Pipe: ASTM F714, AWWA C906, or equivalent for PE Ductile Iron Pipe Size (DIPS) water pipe; FM Global approved, with minimum thickness equivalent to FM Global **Class 250 ~~200~~**.

1. Molded PE Fittings: ASTM D3350, PE resin, socket- or butt-fusion type, and made to match PE pipe dimensions and class.

~~C.~~D. Type ‘K’ Soft Copper Pipe: ASTM B88 for seamless copper water tube and AWWA C800, Appendix A

~~1. Molded PE Fittings: ASTM D3350, PE resin, socket- or butt-fusion type, and made to match PE pipe dimensions and class.~~

Gate Valves

A. Gate Valves - AWWA, Cast Iron:

1. Gate Valves - Nonrising Stem, Resilient Seated: Cast- or ductile-iron body and bonnet, with bronze or cast- or ductile-iron gate, resilient seats, bronze stem, and stem nut.

a. Standards: AWWA C509 or AWWA C515.
b. Minimum Pressure Rating: 200 psig
c. End Connections: Mechanical joint, flanged, threaded, or push on.
d. Interior Coating: Complying with AWWA C550.

Valve Boxes

A. Valve Boxes: Comply with AWWA M44 for cast-iron valve boxes. Include top section, adjustable extension of length required for depth of burial of valve, plug with lettering "WATER," and bottom section with base that fits over valve and with a barrel approximately 5 inches in diameter.

1. Operating Wrenches: Steel, tee-handle with one pointed end, stem of length to operate deepest buried valve, and socket matching valve operating nut.

Fire Hydrants

A. Fire Hydrants - Dry Barrel:

1 Source Limitations: Obtain fire hydrants - dry barrel, from single manufacturer.
2. Pressure Rating: 250 psig .
3. Standard: AWWA C502.
4. Freestanding configuration, with one NPS 4-1/2 and two NPS 2-1/2 outlets, 5-1/4-inch main valve, drain valve, and NPS 6 mechanical-joint inlet. Include interior coating in accordance with AWWA C550. Hydrant to have cast-iron body, compression-type valve opening against pressure and closing with pressure.
5. Standards: UL 246, and FM Global approved.

a. Outlet Threads: NFPA 1963, with external hose thread used by local fire department. Include cast-iron caps with steel chains.
b. Operating and Cap Nuts: Pentagon, 1-1/2 inches point to flat.
c. Direction of Opening: Open hydrant valve by turning operating nut to left or counterclockwise.
d. Exterior Finish: Red alkyd-gloss enamel paint unless otherwise indicated.

a. Installation

825.04 Water Main and Services

Care shall be exercised in placing and laying of services to prevent kinks or sharp bends and to prevent contact with sharp stones or ledge which would damage to the pipe. At least 6 inches of sand shall be placed adjacent to, under, and above the pipe, and no stone larger than 2 inches shall be placed over the pipe until the depth of backfill above the pipe is in excess of 1 foot.

825.05 Separation from Structures

Whenever possible, water pipes shall maintain a minimum distance of four (4) feet from underground adjacent unheated structures, such as manholes, catch basins, retaining walls, bridge abutments, parking garages, etc.

When spacing described above is not possible, Contractor shall provide insulation for the water pipe for a minimum of four (4) feet beyond the limits of the adjacent structure.

b. Testing

Hydrostatic pressure and leakage test shall be conducted in accordance with AWWA Standard C600 Standards. Domestic water service lines without attached fire service supply shall meet the latest edition of AWWA C600 series leakage requirements for the type of pipe being installed. Testing shall be conducted by a certified independent water testing company.

c. Disinfection

Before being placed in service, all new water pipe shall be chlorinated in accordance with ANSI/AWWA C651 Standard for Disinfecting Water Mains.

The location of the chlorination and sampling points will be determined by the Engineer in the field. Taps for chlorination and sampling shall be installed by the Contractor. The Contractor shall uncover and backfill the taps as required.

The pipe section being disinfected shall be flushed to remove discolored water and sediment from the pipe. A 25 mg/l chlorine solution in approved dosages shall be inserted through a tap at one end while water is being withdrawn at the other end of the pipe section. The chlorine concentration in the water in the pipe shall be maintained at a minimum 25 mg/l available chlorine during filling. To assure that this concentration is maintained, the chlorine residual shall be measured at regular intervals in accordance with procedures described in Standard Methods and AWWA M12, Simplified Procedure for Water Examination, Section K.

During the application of the chlorine, valves shall be manipulated to prevent the treatment dosage from flowing back into the pipe supplying the water. Chlorine application shall not cease until the entire pipe section is filled with chlorine solution. The chlorinated water shall be retained in the pipe for at least a twenty-four hour period. The treated water shall contain a chlorine residual throughout the length of the pipe section as indicated in AWWA C651.

Following the chlorination period, all treated water shall be flushed from the pipe section and replaced with water from the distribution system. Prior to disposal of treated water, the Contractor shall check with local authorities to determine if the discharge will cause damage to the receiving body or sewer and, if required, the Contractor shall neutralize the chlorinated water in accordance with Appendix B, AWWA C650. Bacteriological sampling and analysis of the replacement water shall then be made by the Contractor in full accordance with AWWA Specification C651. A minimum of three samples shall be taken by the Contractor at locations directed by the Engineer along the length of water pipe being

chlorinated and sent to a state- approved private laboratory for analyses. The Contractor shall re-chlorinate if the samples show presence of coliform, and the pipe section shall not be placed in service until all the repeat samples show no presence of coliform.

Furnish two (2) copies of a Certificate of Disinfection Report to the Engineer.

The Contractor shall pay all costs for all testing, flushing, chlorinating, laboratory analyses, sampling, water supply, and municipal charges.

825.06 Method of Measurement

Water main and service pipe measured by the linear foot installed, to the nearest foot.

825.07 Basis of Payment

The accepted quantity of water service supply lines will be paid for at the contract unit price, complete in place, which shall be full compensation for all materials, labor, and incidentals required to complete the work.

Excavation, backfill, bedding, compaction, sheeting and shoring, insulation, dewatering, restoration of existing service connections, curb stops, curb boxes, fittings, stainless steel inserts, insulation, thrust blocks, pressure testing, disinfection, flushing, maintaining water service, connections to existing water services, as-built drawings and any and all other work necessary or required for a complete operational fire water supply main and service shall be considered included in the work. Payment for final hot mix asphalt, loam, seed, recycled asphalt pavement, aggregate base course and aggregate subbase shall be under the appropriate pay item.

Payment will be made under the following:

Pay Item		Pay Unit
825.461	6 Inch HDPE DR 9 Plastic Main and Service	Linear Foot
825.601	6 Inch Ductile Iron Class 52 Pipe	Linear Foot
825.700	Fire Hydrant	Each
825.800	6 Inch Ductile Iron Gate Valve	Each
825.900	1 Inch Blow-Off	Each

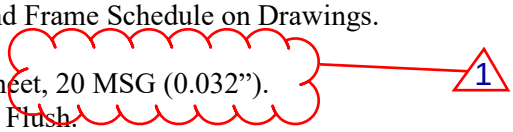
2.3 INTERIOR STANDARD STEEL DOORS AND FRAMES

A. Construct hollow-metal doors and frames to comply with standards indicated for materials, fabrication, hardware locations, hardware reinforcement, tolerances, and clearances, and as specified.

B. Standard-Duty Doors and Frames: ANSI/SDI A250.8, Level 1; ANSI/SDI A250.4, Level C. At locations indicated in the Door and Frame Schedule on Drawings.

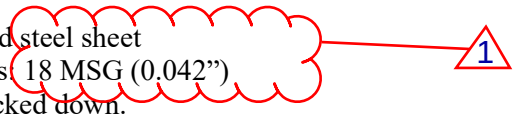
1. Doors:

a. Type: As indicated in the Door and Frame Schedule on Drawings.
b. Thickness: 1-3/4 inches.
c. Face Thickness: Uncoated steel sheet, 20 MSG (0.032”).
d. Edge Construction: Model 1, Full Flush.
e. Edge Bevel: Provide manufacturer's standard beveled or square edges.



2. Frames:

a. Materials: Uncoated steel sheet
b. Minimum thickness: 18 MSG (0.042”)
c. Construction: Knocked down.



3. Exposed Finish: Factory.

2.4 EXTERIOR STANDARD STEEL DOORS AND FRAMES

A. Construct hollow-metal doors and frames to comply with standards indicated for materials, fabrication, hardware locations, hardware reinforcement, tolerances, and clearances, and as specified.

B. Heavy-Duty Doors and Frames: ANSI/SDI A250.8, Level 2; ANSI/SDI A250.4, Level B. At locations indicated in the Door and Frame Schedule on Drawings.

1. Doors:

a. Type: As indicated in the Door and Frame Schedule on Drawings.
b. Thickness: 1-3/4 inches.
c. Face: Metallic-coated steel sheet, minimum thickness of 0.067 inch (14 gauge), with minimum A60 coating.
d. Edge Construction: Model 1, Full Flush.
e. Edge Bevel: Provide manufacturer's standard beveled or square edges.
f. Top Edge Closures: Close top edges of doors with flush closures of same material as face sheets. Seal joints against water penetration.
g. Bottom Edges: Close bottom edges of doors where required for attachment of weather stripping with end closures or channels of same material as face sheets. Provide weep-hole openings in bottoms of exterior doors to permit moisture to escape.
h. Core: Manufacturer's standard.

2.7 LOCK CYLINDERS

A. Lock Cylinders: Tumbler type, constructed from brass or bronze, stainless steel, or nickel silver. Provide cylinder from same manufacturer of locking devices.

B. Standard Lock Cylinders: ANSI/BHMA A156.5, Grade 1 permanent cores; face finished to match lockset.

1

1. ~~Core Type: Interchangeable.~~

~~C. High Security Lock Cylinders: ANSI/BHMA A156.30, Grade 1 permanent cores that are removable; face finished to match lockset.~~

~~1. Type M, mechanical.~~

D. Construction Master Keys: Provide cylinders with feature that permits voiding of construction keys without cylinder removal. Provide 10 construction master keys.

E. Construction Cores: Provide construction cores that are replaceable by permanent cores. Provide 10 construction master keys.

2.8 KEYING

A. Keying System: Factory registered, complying with guidelines in ANSI/BHMA A156.28, appendix. Provide one extra key blank for each lock. Incorporate decisions made in keying conference.

1. Master Key System: Change keys and a master key operate cylinders.

   a. Provide three cylinder change keys and five master keys.

2. Existing System:

   a. Master key or grand master key locks to Owner's existing system.
   b. Re-key Owner's existing master key system into new keying system.

3. Keyed Alike: Key all cylinders to same change key.

B. Keys: Nickel silver.

1. Stamping: Permanently inscribe each key with a visual key control number and include the following notation:

   a. Notation: "DO NOT DUPLICATE." Information to be furnished by Owner.

2.9 OPERATING TRIM

A. Operating Trim: ANSI/BHMA A156.6; stainless steel unless otherwise indicated.

SECTION 260533.13 - CONDUITS FOR ELECTRICAL SYSTEMS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Type EMT duct raceways and elbows.
2. Fittings for conduit, tubing, and cable.
3. Joint compounds.
4. Solvent cements.

B. Related Requirements:

1. Section 260010 "Supplemental Requirements for Electrical" specifies additional coordination, scheduling, sequencing, submittal, and installation requirements applicable to the Work for electrical, communications, and electronic safety and security systems on the Project, including wiring methods.
2. Section 078413 "Penetration Firestopping" specifies firestopping referenced by this Section.
3. Section 260553 "Identification for Electrical Systems" specifies electrical equipment labels.

1.2 REFERENCES

A. Abbreviations and Acronyms for Electrical Raceway Types:

1. EMT: Electrical metallic tubing.
2. EMT-A: Aluminum electrical metallic tubing.
3. EMT-S: Steel electrical metallic tubing.
4. EMT-SS: Stainless steel electrical metallic tubing.
5. ENT: Electrical nonmetallic tubing.
6. EPEC: Electrical HDPE underground conduit (thin wall).
7. EPEC-A: Type A electrical HDPE underground conduit.
8. EPEC-B: Type B electrical HDPE underground conduit.
9. ERMC: Electrical rigid metal conduit.
10. ERMC-A: Aluminum electrical rigid metal conduit.
11. ERMC-S: Steel electrical rigid metal conduit.
12. ERMC-S-G: Galvanized-steel electrical rigid metal conduit.
13. ERMC-S-PVC: PVC-coated-steel electrical rigid metal conduit.
14. ERMC-SS: Stainless steel electrical rigid metal conduit.
15. FMC: Flexible metal conduit.
16. FMC-A: Aluminum flexible metal conduit.
17. FMC-S: Steel flexible metal conduit.
18. FMT: Steel flexible metallic tubing.
19. FNMC: Flexible nonmetallic conduit. See "LFNC."
20. HDPE: HDPE underground conduit (thick wall).

21. HDPE-40: Schedule 40 HDPE underground conduit.
22. HDPE-80: Schedule 80 HDPE underground conduit.
23. IMC: Steel electrical intermediate metal conduit.
24. LFMC: Liquidtight flexible metal conduit.
25. LFMC-A: Aluminum liquidtight flexible metal conduit.
26. LFMC-S: Steel liquidtight flexible metal conduit.
27. LFMC-SS: Stainless steel liquidtight flexible metal conduit.
28. LFNC: Liquidtight flexible nonmetallic conduit.
29. LFNC-A: Layered (Type A) liquidtight flexible nonmetallic conduit.
30. LFNC-B: Integral (Type B) liquidtight flexible nonmetallic conduit.
31. LFNC-C: Corrugated (Type C) liquidtight flexible nonmetallic conduit.
32. PVC: Rigid PVC conduit.
33. PVC-40: Schedule 40 rigid PVC conduit.
34. PVC-80: Schedule 80 rigid PVC Conduit.
35. PVC-A: Type A rigid PVC concrete-encased conduit.
36. PVC-EB: Type EB rigid PVC concrete-encased underground conduit.
37. RGS: See ERMC-S-G.
38. RMC: See ERMC.
39. RTRC: Reinforced thermosetting resin conduit.
40. RTRC-AG: Low-halogen, aboveground reinforced thermosetting resin conduit.
41. RTRC-AG-HW: Heavy wall, low-halogen, aboveground reinforced thermosetting resin conduit.
42. RTRC-AG-SW: Standard wall, low-halogen, aboveground reinforced thermosetting resin conduit.
43. RTRC-AG-XW: Extra heavy wall, low-halogen, aboveground reinforced thermosetting resin conduit.
44. RTRC-BG: Low-halogen, belowground reinforced thermosetting resin conduit.

B. Definitions:

1. Conduit: A structure containing one or more duct raceways.
2. Direct Buried: Installed underground without encasement in concrete or other protective material.
3. Duct Bank: An arrangement of conduit providing one or more continuous duct raceways between two points.
4. Duct Raceway: A single enclosed raceway for conductors or cable.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product.

B. Field quality-control reports.

1.4 INFORMATIONAL SUBMITTALS

A. Manufacturer's published instructions.

1.5 QUALIFICATIONS

A. Electrical Power Testing (EPT) Technician III: Possessing active NICET EPT Level III certification. Able to manage switching procedures; conduct tests of complex equipment; analyze test and equipment data; plan a job; and lead a team. Has experience performing NFPA 70B, IEEE, and NETA electrical tests.

B. Electrical Power Testing (EPT) Technician IV: Possessing active NICET EPT Level IV certification. Able to conduct tests of complex metering and relay systems; evaluate tests, test equipment, test results, and power system performance; recommend actions to maintain or improve system performance; and lead multi-team projects.

C. Electrical Power Testing and Inspecting Agency: Entities possessing active credentials from a qualified electrical testing laboratory recognized by authorities having jurisdiction.

1. On-site electrical testing supervisors must possess active NICET EPT Technician III certification.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. Regulatory Requirements: Products or components listed and labeled in accordance with NFPA 70, by qualified electrical testing laboratory recognized by authorities having jurisdiction, and marked for intended location and application.

2.2 TYPE EMT DUCT RACEWAYS AND ELBOWS

A. UL FJMX - Steel Electrical Metal Tubing (EMT-S) and Elbows:

1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to the following:

a. Calconduit; Atkore International.
b. Rymco USA brand; manufactured and listed by subsidiary Conduit S.A. de C.V.

2. Listing Criteria: Investigated, labeled, and marked by qualified electrical testing laboratory in accordance with guide information and standards specified for the following UL product categories:

a. UL CCN FJMX; including UL 797.

3. Standard Features:

a. Material: Steel.

b. Exterior Coating: Zinc.
c. Minimum Trade Size: Metric designator 21 (trade size 3/4).

4. Other Available Features Required by the Project:

a. Colors: As indicated on the Drawings.

~~A. UL FJMX - Stainless Steel Electrical Metal Tubing (EMT-SS) and Elbows:~~

~~1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to the following:~~

~~a. Calconduit; Atkore International.~~
~~b. Rymco USA brand; manufactured and listed by subsidiary Conduit S.A. de C.V.~~

~~2. Listing Criteria: Investigated, labeled, and marked by qualified electrical testing laboratory in accordance with guide information and standards specified for the following UL product categories:~~

~~a. UL CCN FJMX; including UL 797A.~~

~~3. Standard Features:~~

~~a. Material: Stainless steel.~~
~~b. Minimum Trade Size: Metric designator 21 (trade size 3/4).~~
~~c.~~

~~4. Other Available Features Required by the Project:~~

~~a. Colors: As indicated on the Drawings.~~

2.3 FITTINGS FOR CONDUIT, TUBING, AND CABLE

A. UL FKAV - Fittings for Type EMT Duct Raceways:

1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to the following:

   a. Arlington.
   b. Atkore.
   c. Bridgeport Fittings.

2. Listing Criteria: Investigated, labeled, and marked by qualified electrical testing laboratory in accordance with guide information and standards specified for the following UL product categories:

   a. UL CCN FKAV; including UL 514B.

3. Standard Features:

   a. Material: Steel.
   b. Coupling Method: Compression coupling Raintight compression coupling with distinctive color gland nut Setscrew coupling. Setscrew couplings with only single screw per conduit are unacceptable.

c. Expansion and Deflection Fittings: UL 651 with flexible bonding jumper.

PART 3 - EXECUTION

3.1 SELECTION OF CONDUITS FOR ELECTRICAL SYSTEMS

A. Unless more stringent requirements are specified in the Contract Documents or manufacturer's published instructions, comply with NFPA 70 for selection of duct raceways. Consult Architect for resolution of conflicting requirements.

B. Indoors:
1. Exposed and Subject to Physical Damage: EMT.
2. Exposed and Not Subject to Physical Damage: EMT.
3. Concealed in Ceilings and Interior Walls and Partitions: EMT.
4. Damp or Wet Locations: Corrosion-resistant EMT.

C. Duct Fittings: Select fittings in accordance with NEMA FB 2.10 guidelines.

1. ERMC and IMC: Provide threaded-type fittings unless otherwise indicated.

3.2 INSTALLATION OF CONDUITS FOR ELECTRICAL SYSTEMS

A. Comply with manufacturer's published instructions.

B. Reference Standards for Installation: Unless more stringent installation requirements are specified in the Contract Documents or manufacturer's published instructions, comply with the following:

1. Electrical Construction: ICC IBC, ICC IFC, NFPA 1, NFPA 70, and NECA NEIS 1.
2. Electrical Safety: NFPA 70E.
3. Commissioning of Active and Passive Fire Protection Features: NFPA 3 and NFPA 4.
4. Grounding and Bonding: NECA NEIS 331 and Article 250 of NFPA 70.
5. Communications Work: BICSI N1.
6. Life Safety and Means of Egress Work: NFPA 101.
7. Emergency and Standby Power Work: NFPA 110, NFPA 111, and NECA NEIS 416.
8. Work in Confined Spaces: NFPA 350.
9. Work in Basements and Other Developed Subterranean Spaces: NFPA 520.
10. Type EMT-SS: Article 358 of NFPA 70 and NECA NEIS 101.
11. Type EMT-S: Article 358 of NFPA 70 and NECA NEIS 101.
12. Expansion Fittings: NEMA FB 2.40.
13. Consult Architect for resolution of conflicting requirements.

C. Special Installation Techniques:

1. Types EMT-A, ERMC-A, and FMC-A: Do not install aluminum duct raceways or fittings in contact with concrete or earth.

2. Stub-ups to Above Recessed Ceilings:

a. Provide EMT for duct raceways.
b. Provide a conduit bushing or insulated fitting to terminate stub-ups not terminated in hubs or in an enclosure.

3. Identification: Provide labels for conduit assemblies, duct raceways, and associated electrical equipment.

a. Provide warning signs.

D. Interfaces with Other Work:

1. Firestop penetrations of fire-rated floor and wall assemblies.
2. Provide conduit hangers and supports.

3.3 FIELD QUALITY CONTROL OF CONDUITS FOR ELECTRICAL SYSTEMS

A. Administrant for Electrical Power Tests and Inspections:
1. Engage qualified medium-voltage electrical testing and inspecting agency to administer and perform tests and inspections.
2. Engage factory-authorized service representative to administer and perform tests and inspections on components, assemblies, and equipment installations, including connections.
3. Administer and perform tests and inspections

B. Administrant for Communications Tests and Inspections:
1. Engage qualified communications testing and inspecting agency to administer and perform tests and inspections.
2. Engage factory-authorized service representative to administer and perform tests and inspections on components, assemblies, and equipment installations, including connections.
3. Administer and perform tests and inspections.

C. Field tests and inspections must be witnessed by authorities having jurisdiction.

D. Tests and Inspections:

1. Perform manufacturer's recommended tests and inspections.
2. Pull solid aluminum or wood test mandrel through duct to prove joint integrity and adequate bend radii, and test for out-of-round duct. Provide minimum 12 inch long mandrel equal to duct size minus 1/4 inch. If obstructions are indicated, remove obstructions and retest.
3. Conduit Placement:

a. Verify that center-line location and offsets are in accordance with the Drawings.
b. Verify that hangers and supports for conduits are attached to structure as directed by qualified structural engineer.
c. Verify that nuts on bolts or hanger rods are secure.
d. Verify that space between raceways and cored holes are filled with non-shrinking grout or other approved material indicated on the Drawings and the Specifications.
e. Verify that expansion devices are installed at locations indicated on the Drawings and the Specifications.

f. Verify that ends are cut square to provide flush-butting surfaces when spliced and inside edges are free of burrs that could impede installation of cables.
g. Verify minimum separation of utilities, or that approved mechanical protection has been provided to surrounding conduit(s) where minimum separation cannot be achieved.

4. Document all changes on Record Drawings.

E. Nonconforming Work:

1. Conduit will be considered defective if it does not pass tests and inspections.
2. Remove and replace defective units and retest.

F. Field Quality-Control Reports: Collect, assemble, and submit test and inspection reports.

3.4 CLEANING

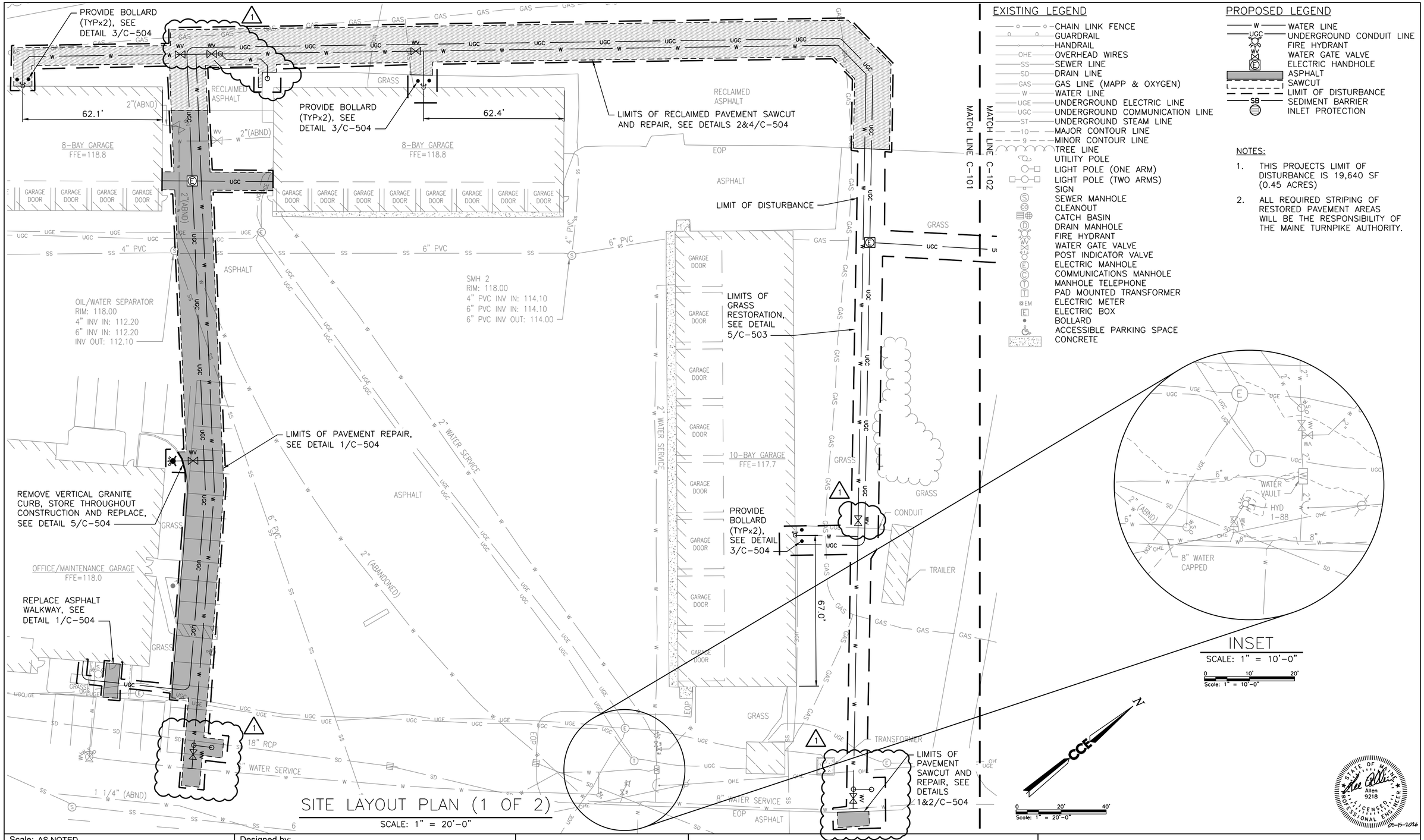
A. Verify that bentonite or other drilling fluids are contained and removed, and site is restored to its original or improved condition.

3.5 PROTECTION

A. Protect coatings, finishes, and cabinets from damage and deterioration.

1. Repair damage to galvanized finishes with zinc-rich paint recommended by manufacturer.
2. Repair damage to PVC coatings or paint finishes with matching touchup coating recommended by manufacturer.

END OF SECTION 260533.13



EXISTING LEGEND

- CHAIN LINK FENCE
- GUARDRAIL
- HANDRAIL
- OVERHEAD WIRES
- SEWER LINE
- DRAIN LINE
- GAS LINE (MAPP & OXYGEN)
- WATER LINE
- UNDERGROUND ELECTRIC LINE
- UNDERGROUND COMMUNICATION LINE
- UNDERGROUND STEAM LINE
- MAJOR CONTOUR LINE
- MINOR CONTOUR LINE
- TREE LINE
- UTILITY POLE
- LIGHT POLE (ONE ARM)
- LIGHT POLE (TWO ARMS)
- SIGN
- SEWER MANHOLE
- CLEANOUT
- CATCH BASIN
- DRAIN MANHOLE
- FIRE HYDRANT
- WATER GATE VALVE
- POST INDICATOR VALVE
- ELECTRIC MANHOLE
- COMMUNICATIONS MANHOLE
- MANHOLE TELEPHONE
- PAD MOUNTED TRANSFORMER
- ELECTRIC METER
- ELECTRIC BOX
- BOLLARD
- ACCESSIBLE PARKING SPACE
- CONCRETE

PROPOSED LEGEND

- WATER LINE
- UNDERGROUND CONDUIT LINE
- FIRE HYDRANT
- WATER GATE VALVE
- ELECTRIC HANDHOLE
- ASPHALT
- SAWCUT
- LIMIT OF DISTURBANCE
- SEDIMENT BARRIER
- INLET PROTECTION

NOTES:

1. THIS PROJECTS LIMIT OF DISTURBANCE IS 19,640 SF (0.45 ACRES)
2. ALL REQUIRED STRIPING OF RESTORED PAVEMENT AREAS WILL BE THE RESPONSIBILITY OF THE MAINE TURNPIKE AUTHORITY.

Allen 9218 — LICENSED PROFESSIONAL ENGINEER — STATE OF MAINE — 05-15-2026

Scale: AS NOTED

No.	Revision	By	Date
1	ADDENDUM	LDA	05/15/26
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

Designed by:

COLBY COMPANY, LLC
engineering & design
47A York Street, Portland, ME 04101
207.553.7753

CONSULTANT PROJECT MANAGER: MIKE KELLEY

	By	Date		By	Date
Designed	LDA	04/22/2026	Checked	HLS	04/22/2026
Drawn	MAF	04/22/2026	In Charge of	MJK	04/22/2026

47A York St
Portland, ME
04101
207.553.7753

MTA PROJECT MANAGER: JACQUELINE HANSEN

THE GOLD STAR MEMORIAL HIGHWAY

KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION
MAINE TURNPIKE AUTHORITY

SITE LAYOUT PLAN (1 OF 2)

SHEET NUMBER: C-101

CONTRACT: 2026.08

PROVIDE 6" FIRE WATER SERVICE HDPE DR 9 (250 PSI), SEE DETAIL 3/C-503

1 6"x6" TEE

REMOVE AND CAP END OF ABANDONED 2" WATER SERVICE AS NECESSARY TO CONSTRUCT 6" FIRE WATER MAIN

MAINTAIN A MINIMUM OF 12" OF SEPARATION BETWEEN THE EXISTING GAS SERVICE AND PROPOSED UNDERGROUND COMMUNICATIONS AND WATER MAIN

PROVIDE 6" GATE VALVE, SEE DETAIL 1/C-503

6"x6" TEE

PROVIDE 6" FIRE WATER DISTRIBUTION MAIN HDPE DR 9 (250 PSI), SEE DETAIL 3/C-503

6" 45° BEND

PROVIDE 1" BLOW-OFF, SEE DETAIL 8/C-504

PROVIDE (3) 3" PVC SCHEDULE 80 ELECTRICAL CONDUITS, SEE DETAIL 7/C-504

6" 45° BEND

APPROX. FIRE PROTECTION RISER LOCATION, SEE FP102

PROVIDE BUILDING MOUNTED POST INDICATOR VALVE, SEE FP501 FOR DETAILS

PROVIDE BUILDING MOUNTED POST INDICATOR VALVE, SEE FP501 FOR DETAILS

PROVIDE ELECTRIC HANDHOLE, SEE DETAIL 6/C-503

PROVIDE 6" FIRE WATER SERVICE, SEE DETAIL 2/C-503

APPROX. FIRE PROTECTION RISER LOCATION, SEE FP101

PROVIDE (1) 3" PVC SCHEDULE 80 ELECTRICAL CONDUIT, SEE DETAIL 5/C-503

PROVIDE (3) 3" PVC SCHEDULE 80 ELECTRICAL CONDUITS, SEE DETAIL 3/C-503

PROVIDE (3) 3" PVC SCHEDULE 80 ELECTRICAL CONDUITS, SEE DETAIL 3/C-503

REMOVE AND CAP ENDS OF ABANDONED 2" WATER SERVICE AS NECESSARY TO CONSTRUCT 6" FIRE WATER MAIN

OIL/WATER SEPARATOR
RIM: 118.00
4" INV IN: 112.20
6" INV IN: 112.20
INV OUT: 112.10

SMH 2
RIM: 118.00
4" PVC INV IN: 114.10
6" PVC INV IN: 114.10
6" PVC INV OUT: 114.00

PROVIDE 6" DISTRIBUTION MAIN HDPE DR 9 (250 PSI), SEE DETAIL 5/C-503

PROVIDE ELECTRIC HANDHOLE, SEE DETAIL 6/C-503

PROVIDE (3) 3" PVC SCHEDULE 80 ELECTRICAL CONDUITS, SEE DETAIL 5/C-503

WATER MAIN MUST CROSS ABOVE THE EXISTING SANITARY SEWER WITH A MINIMUM OF 12" OF CLEARANCE. IF 6'-0" OF COVER CANNOT BE ACHIEVED OVER THE WATER MAIN, IT MUST BE PROTECTED WITH 2" RIGID INSULATION, SEE DETAIL 3/C-503

MAINTAIN A MINIMUM OF 12" OF SEPARATION BETWEEN THE EXISTING GAS SERVICE AND PROPOSED UNDERGROUND COMMUNICATIONS AND WATER

PROVIDE 6" GATE VALVE, SEE DETAIL 1/C-503

PROVIDE 6" DISTRIBUTION MAIN HDPE DR 9 (250 PSI), SEE DETAILS ON C-503

6"x6" TEE

PROVIDE 6" FIRE WATER SERVICE, SEE DETAIL 5/C-503

PROVIDE BUILDING MOUNTED POST INDICATOR VALVE, SEE FP501 FOR DETAILS

APPROX. FIRE PROTECTION RISER LOCATION, SEE FP104

PROVIDE FIRE HYDRANT, SEE DETAIL 5/C-503

PROVIDE 6" FIRE WATER SERVICE HDPE DR 9 (200 PSI), SEE DETAIL 6/C-504

PROVIDE (3) 3" PVC SCHEDULE 80 ELECTRICAL CONDUITS, SEE DETAIL 3/C-503

PROVIDE 1" BLOW-OFF, SEE DETAIL 8/C-504

PROVIDE 6" GATE VALVE, SEE DETAIL 1/C-503

6"x6" TEE

PROVIDE 1" BLOW-OFF, SEE DETAIL 8/C-504

PROVIDE 6" GATE VALVE, SEE DETAIL 1/C-503

8"x6" TEE

8" WATER CAPPED

MATCH LINE C-103

MATCH LINE C-104

EXISTING LEGEND

- CHAIN LINK FENCE
- GUARDRAIL
- HANDRAIL
- OVERHEAD WIRES
- SEWER LINE
- DRAIN LINE
- GAS LINE (MAPP & OXYGEN)
- WATER LINE
- UNDERGROUND ELECTRIC LINE
- UNDERGROUND COMMUNICATION LINE
- UNDERGROUND STEAM LINE
- MAJOR CONTOUR LINE
- MINOR CONTOUR LINE
- TREE LINE
- UTILITY POLE
- LIGHT POLE (ONE ARM)
- LIGHT POLE (TWO ARMS)
- SIGN
- SEWER MANHOLE
- CLEANOUT
- CATCH BASIN
- DRAIN MANHOLE
- FIRE HYDRANT
- WATER GATE VALVE
- POST INDICATOR VALVE
- ELECTRIC MANHOLE
- COMMUNICATIONS MANHOLE
- MANHOLE TELEPHONE
- PAD MOUNTED TRANSFORMER
- ELECTRIC METER
- ELECTRIC BOX
- BOLLARD
- ACCESSIBLE PARKING SPACE
- CONCRETE

PROPOSED LEGEND

- WATER LINE
- UNDERGROUND CONDUIT LINE
- FIRE HYDRANT
- WATER GATE VALVE
- ELECTRIC HANDHOLE
- ASPHALT
- SAWCUT
- LIMIT OF DISTURBANCE
- SEDIMENT BARRIER
- INLET PROTECTION

INSET

SCALE: 1" = 10'-0"

Scale: 1" = 10'-0"

SITE UTILITY PLAN (1 OF 2)

SCALE: 1" = 20'-0"

Scale: 1" = 20'-0"

Scale: AS NOTED

No.	Revision	By	Date
1	ADDENDUM	LDA	05/15/26
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

Designed by:
COLBY COMPANY, LLC
engineering & design
47A York Street, Portland, ME 04101
207.553.7753

CONSULTANT PROJECT MANAGER: MIKE KELLEY

	By	Date		By	Date
Designed	LDA	04/22/2026	Checked	HLS	04/22/2026
Drawn	MAF	04/22/2026	In Charge of	MJK	04/22/2026

47A York St
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207.553.7753

MTA PROJECT MANAGER: JACQUELINE HANSEN

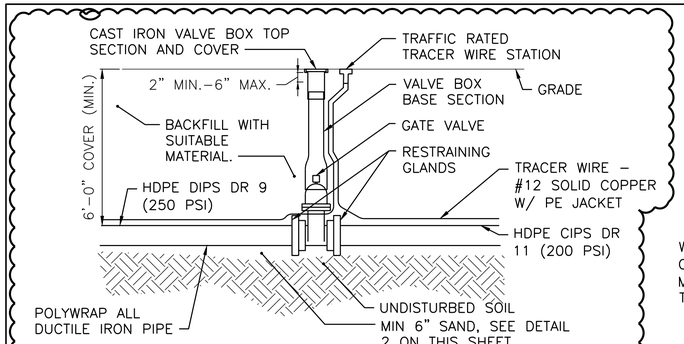
THE GOLD STAR MEMORIAL HIGHWAY

KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION
MAINE TURNPIKE AUTHORITY

SITE UTILITY PLAN (1 OF 2)

SHEET NUMBER: C-103

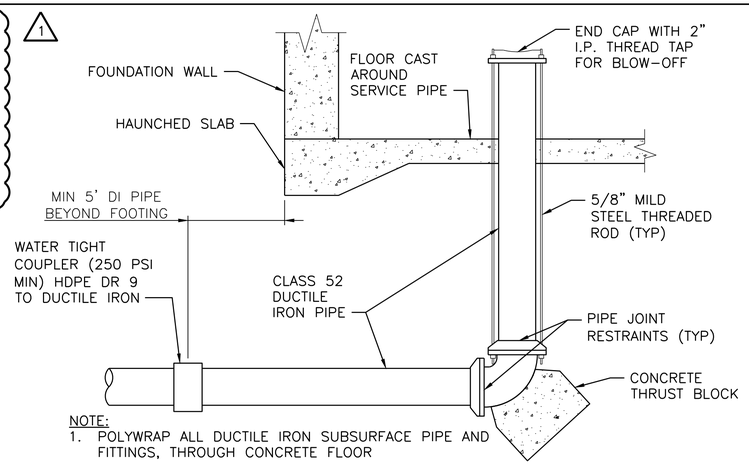
CONTRACT: 2026.08



NOTE:
1. WATER SERVICE AND GATE VALVE MUST BE CONSTRUCTED IN ACCORDANCE WITH MDOT SECTION 825 AND LOCAL WATER DISTRICT.

1 GATE VALVE DETAIL

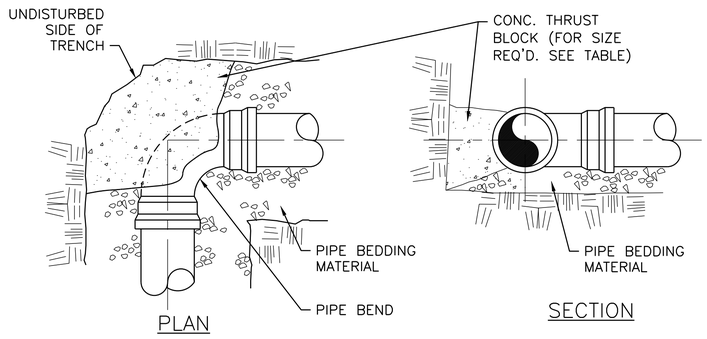
NOT TO SCALE C-103, C-104



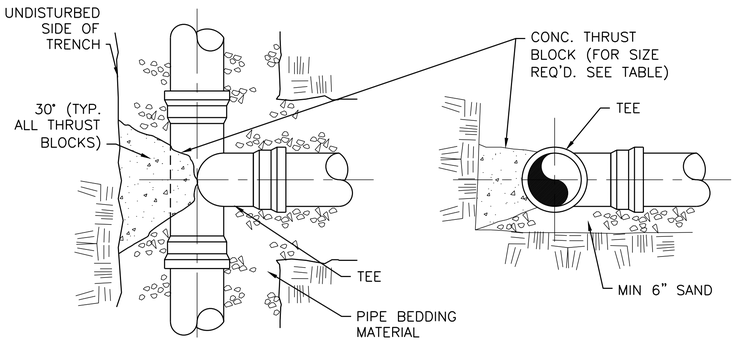
NOTE:
1. POLYWRAP ALL DUCTILE IRON SUBSURFACE PIPE AND FITTINGS, THROUGH CONCRETE FLOOR

2 FIRE SERVICE ENTRANCE THROUGH FLOOR

NOT TO SCALE C-103, C-104



PLACEMENT ON BENDS



PLACEMENT ON TEES

4 THRUST BLOCK DETAIL

NOT TO SCALE

THRUST BLOCKS MUST BE CONSTRUCTED IN ACCORDANCE WITH MDOT SECTION 502.56.

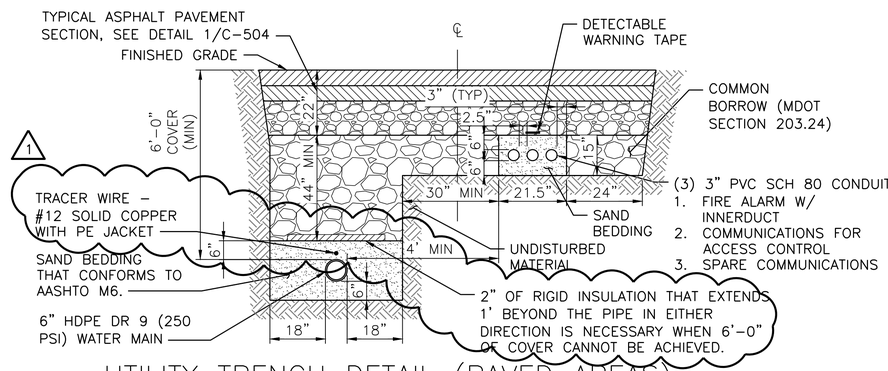
C-103, C-104

CONCRETE THRUST BLOCK SIZE REQUIREMENTS

FITTINGS		SQUARE FEET OF BEARING ON UNDISTURBED SOIL			
		90° BENDS	45° BENDS	TEES & PLUGS	HYDRANTS
PIPE SIZE (IN)	4	2.0	1.0	1.0	N/A
	6	3.0	2.0	2.0	6.0
	8	5.0	3.0	4.0	N/A
	10	7.0	4.0	5.0	N/A
	12	10.0	6.0	7.0	N/A
	14	13.0	7.0	10.0	N/A
	16	17.0	9.0	12.0	N/A

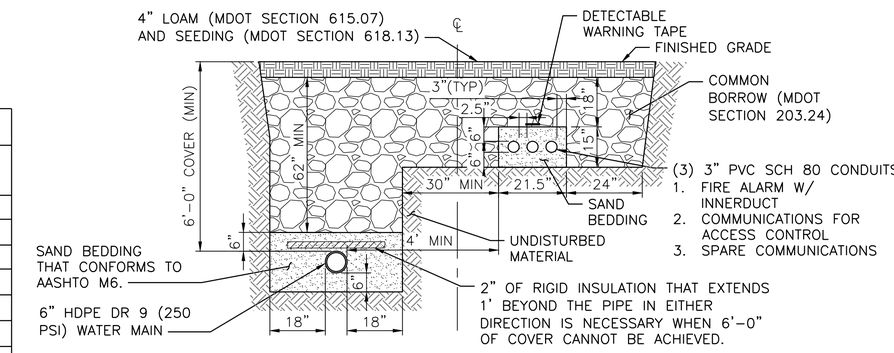
SIZE REQUIREMENT TABLE

NOTES:
1. FOR TRENCHES IN ROCK WHERE THE TOP OF THE ROCK FACE IS AT OR ABOVE THE PIPE CROWN, CONC. SHALL BE PLACED BETWEEN THE PIPE AND THE ROCK FACE.
2. FOR BENDS HAVING A DEFLECTION OF LESS THAN 45°, THE THRUST BLOCK AREAS STATED FOR A 45° BEND SHALL BE USED.
3. THE THRUST BLOCK BEARING AREAS ARE BASED ON A RESULTANT THRUST AT FITTINGS OF 100 PSI WATER PRESSURE AND A SOIL WITH A BEARING CAPACITY OF 2000 POUNDS PER SQUARE FOOT.
4. THE MAXIMUM HEIGHT OF EACH THRUST BLOCK SHALL BE EQUAL TO 1/2 THE DISTANCE BETWEEN THE GROUND SURFACE AND THE BOTTOM OF THAT THRUST BLOCK.
5. JOINTS SHALL NOT BE ENCASED IN CONCRETE.
6. WATER MAIN, SERVICES AND ASSOCIATED WORK MUST BE COMPLETED IN ACCORDANCE WITH KENNEBUNK, KENNEBUNKPORT, AND WELLS WATER DISTRICT STANDARDS
7. DO NOT COVER BELLS OR FLANGES WITH CONCRETE. THE CONTRACTOR SHALL REMOVE EXISTING THRUST BLOCKING OR RESTRAINTS WHERE NECESSARY TO ALLOW THE WORK TO PROCEED, AND SHALL REPLACE THE THRUST BLOCK WHERE REQUIRED. THE COST TO REMOVE, REPLACE, OR PROVIDE THRUST BLOCKING SHALL BE INCLUDED IN THE CONTRACT AMOUNT.
8. THE CONTRACTOR SHALL SUPPLY AND INSTALL ANY ADDITIONAL BENDS WITH THRUST BLOCKING AND OTHER APPURTENANCES REQUIRED TO ASSURE PROPER INSTALLATION OF WATER MAINS AND LATERALS. THE CONTRACTOR MAY PULL PIPE AS NEEDED AT THE BENDS WHERE THE DEFLECTION ANGLE OF THE PIPE DOES NOT MATCH THE ANGLE OF THE BEND, PROVIDED THAT THE PIPE DEFLECTION IS WITHIN TOLERABLE MANUFACTURERS LIMITS. THE COST FOR ADDITIONAL BENDS AND BLOCKING SHALL BE INCLUDED IN THE CONTRACT AMOUNT.



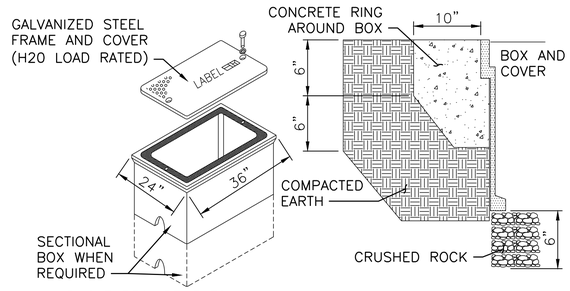
3 UTILITY TRENCH DETAIL (PAVED AREAS)

SCALE: NOT TO SCALE C-103, C-104



5 UTILITY TRENCH DETAIL (NON-PAVED AREAS)

SCALE: NOT TO SCALE C-103, C-104



HANDHOLE REQUIREMENTS
1. GALVANIZED STEEL ASSEMBLY DESIGN LOAD IS 16,000 LBS.
2. 2. BOX ONLY DESIGN LOAD IS 22,000 LBS
3. PROVIDE LABEL "ELECTRICAL" FOR POWER HANDHOLES OR "TELEPHONE" FOR TELEPHONE HANDHOLES, OR AS INDICATED.
4. PROVIDE HANDHOLE IN ACCORDANCE WITH NATIONAL ELECTRIC CODE (NEC) 2023

6 QUAZITE HANDHOLE DETAIL

SCALE: NOT TO SCALE C-103, C-104

STATE OF MAINE — Lee Allen — 9218 — REGISTERED PROFESSIONAL ENGINEER — 05-15-2026

Scale: AS NOTED

Designed by:
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47A York Street, Portland, ME 04101
207.553.7753

No.	Revision	By	Date
1	ADDENDUM	LDA	05/15/26
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

CONSULTANT PROJECT MANAGER: MIKE KELLEY

	By	Date		By	Date
Designed	LDA	04/22/2026	Checked	HLS	04/22/2026
Drawn	MAF	04/22/2026	In Charge of	MJK	04/22/2026

COLBY COMPANY, LLC — CCE — engineering & design

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: JACQUELINE HANSEN

KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION
MAINE TURNPIKE AUTHORITY

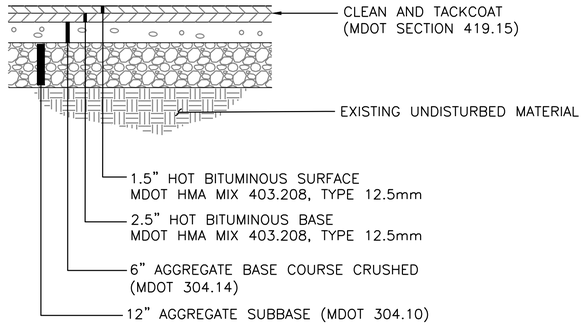
CIVIL CONSTRUCTION DETAILS (1 OF 2)

SHEET NUMBER: C-503

CONTRACT: 2026.08

16 OF 62

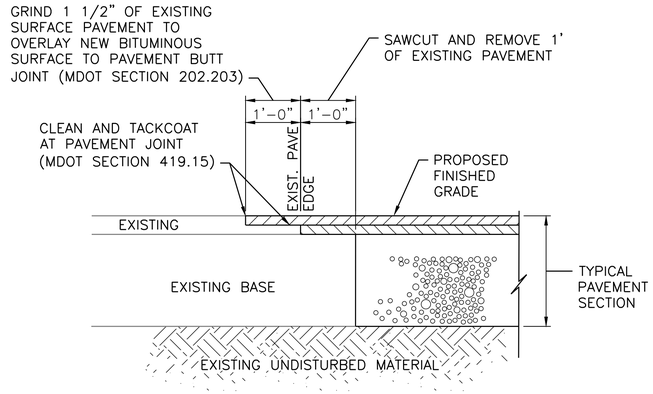
Contract 2026.08



ALL ASPHALT PAVEMENT TO BE CONSTRUCTED IN ACCORDANCE WITH MDOT SECTION 403.

1 ASPHALT PAVEMENT SECTION

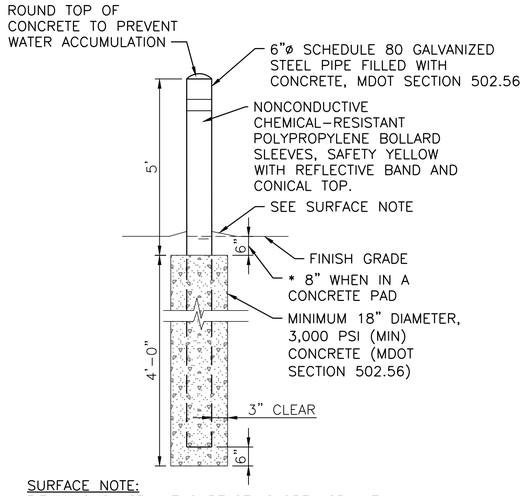
NOT TO SCALE — C-101, C-102



CONSTRUCT IN ACCORDANCE WITH MDOT SECTION 401

2 PAVEMENT SAWCUT DETAIL

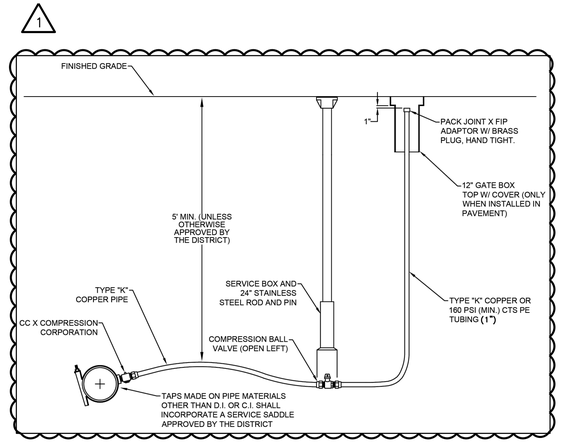
NOT TO SCALE — C-101, C-102



SURFACE NOTE:
BITUMINOUS ASPHALT SURFACE: SLOPE ASPHALT AWAY FROM TUBE 1/4" PER FT ON ALL SIDES.
CONCRETE SURFACE: PLACE BOLLARDS THEN POUR CONCRETE PAVEMENT, SURFACE FLUSH WITH TUBE.

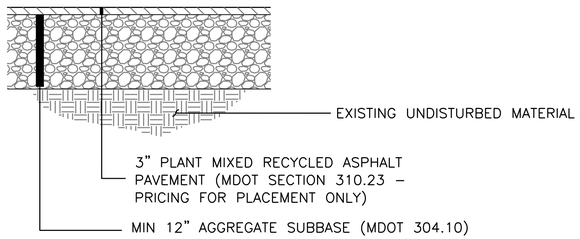
3 BOLLARD DETAIL

NOT TO SCALE — C-101, C-102



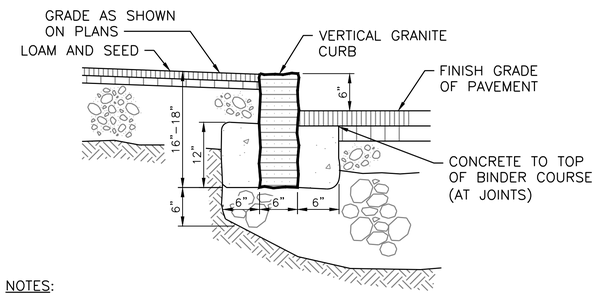
8 1" BLOW-OFF DETAIL

NOT TO SCALE — C-101, C-103



4 RECLAIMED ASPHALT SECTION

NOT TO SCALE — C-101, C-102

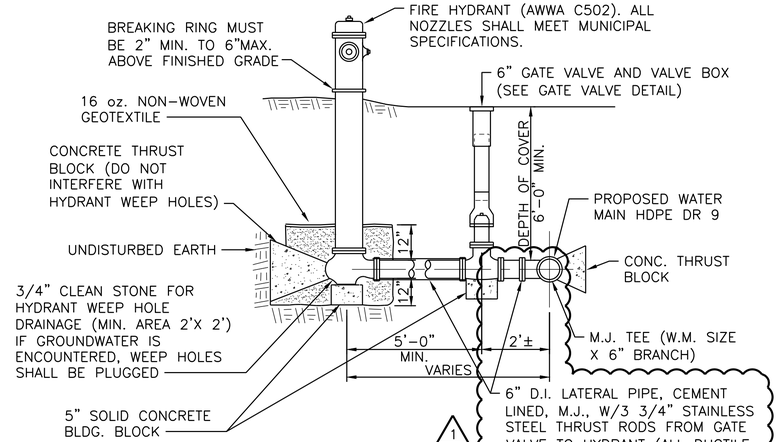


NOTES:

1. ALL NEW CURB TO BE CONSTRUCTED IN ACCORDANCE WITH MDOT SECTION 609.

5 GRANITE CURB DETAIL

NOT TO SCALE — C-101, C-102

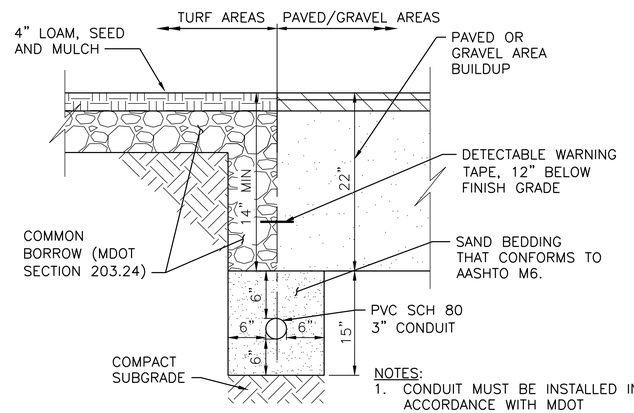


NOTES:

1. JOINTS ON FIRE HYDRANT LATERAL MUST BE MECHANICAL JOINTS, WITH A MINIMUM OF (3) THRUST RODS EACH.
2. DO NOT BLOCK HYDRANT WEEP HOLES WITH CONCRETE THRUST BLOCK.
3. ENGINEER MAY ORDER WEEP HOLES PLUGGED IF HYDRANT BASE IS BELOW HIGH GROUND WATER TABLE.
4. FIELD VERIFY HYDRANT ELEVATIONS PRIOR TO ORDERING RISERS
5. VERIFY WITH WATER DEPARTMENT THE PROPER VALVE OPENING DIRECTION.
6. CONSTRUCT IN ACCORDANCE WITH MDOT SECTION 825 AND TOWN OF KENNEBUNK FIRE DEPARTMENT STANDARDS

6 HYDRANT ASSEMBLY DETAIL

NOT TO SCALE — C-103, C-104



NOTES:

1. CONDUIT MUST BE INSTALLED IN ACCORDANCE WITH MDOT SECTION 626.
2. CONTRACTOR MUST PROVIDE DETAILED AS-BUILT LOCATION INFORMATION FOR ALL CONDUIT AND SLEEVES TO THE OWNER.
3. CONSTRUCT IN ACCORDANCE WITH CMP STANDARDS

7 ELECTRICAL SERVICE TRENCH

NOT TO SCALE — C-103, C-104

STATE OF MAINE — Lee Allen 9218 — LICENSED PROFESSIONAL ENGINEER — 05-15-2026

Scale: AS NOTED

Designed by:

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47A York Street, Portland, ME 04101
207.553.7753

CONSULTANT PROJECT MANAGER: MIKE KELLEY

No.	Revision	By	Date
1	ADDENDUM	LDA	05/15/26
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

	By	Date		By	Date
Designed	LDA	04/22/2026	Checked	HLS	04/22/2026
Drawn	MAF	04/22/2026	In Charge of	MJK	04/22/2026

COLBY COMPANY, LLC CCE engineering & design

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: JACQUELINE HANSEN

KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION
MAINE TURNPIKE AUTHORITY

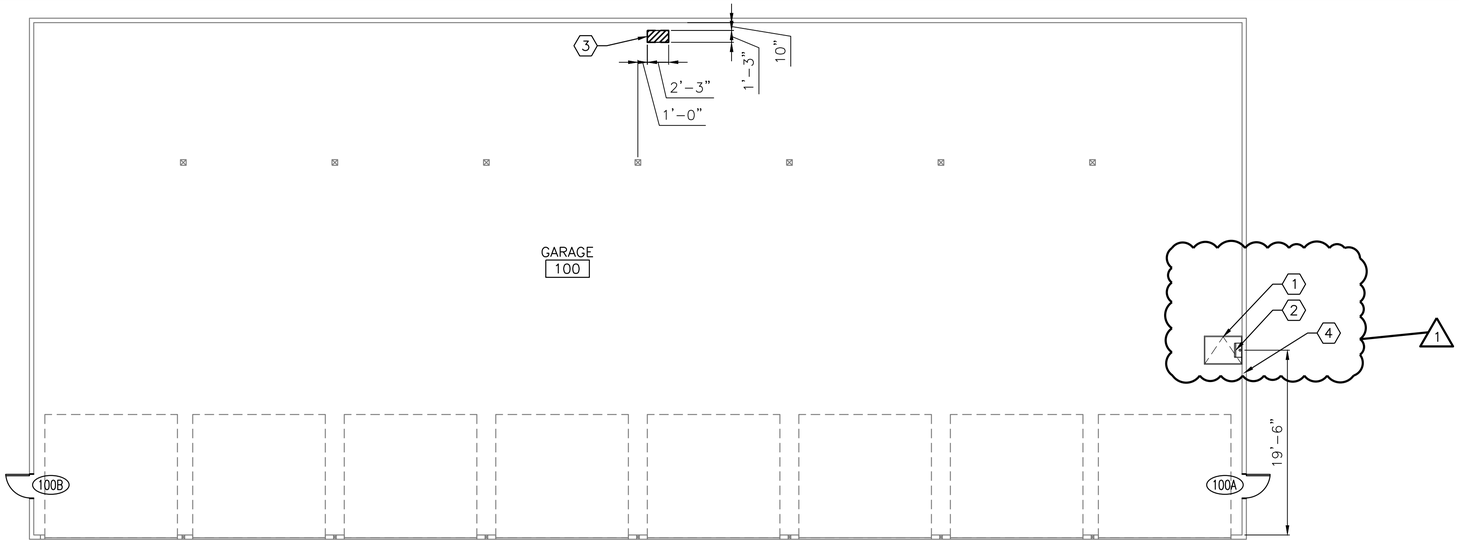
CIVIL CONSTRUCTION DETAILS (2 OF 2)

SHEET NUMBER: C-504

CONTRACT: 2026.08

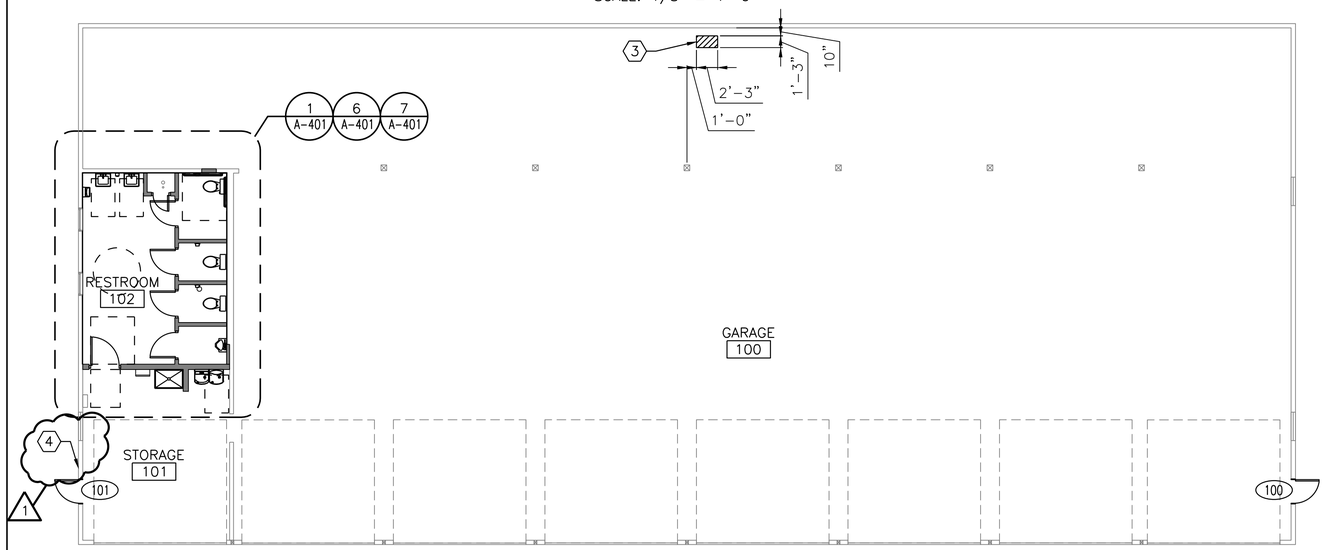
17 OF 62

Addendum No. 2



8 BAY SOUTH – FIRST FLOOR PLAN

SCALE: 1/8" = 1'-0"



8 BAY NORTH – FIRST FLOOR PLAN

SCALE: 1/8" = 1'-0"

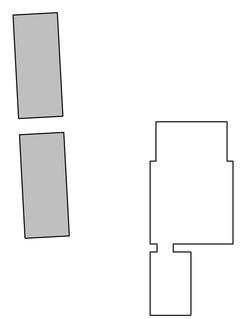
PLAN NORTH

NOTES:

1. SEE DRAWINGS A-001 FOR GENERAL NOTES, ABBREVIATIONS AND LEGENDS.
2. SEE MEP, FIRE PROTECTION/FIRE ALARM AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
3. VERIFY DIMENSIONS PRIOR TO CONSTRUCTION.
4. SEE A-602 FOR DOOR TYPES AND DETAILS.

KEYED NOTES:

1. 3'-0" X 4'-0" METAL ATTIC ACCESS PANEL ABOVE, CEILING HEIGHT APPROX 14'-6" AFF.
2. ATTIC ACCESS LADDER
3. SLAB INFILL, SEE STRUCTURAL DRAWINGS
4. CONDUIT ENTRANCE FOR BUILDING UTILITIES, SEE A-501, COORDINATE WITH CIVIL, FIRE ALARM, COMMUNICATIONS, AND ELECTRICAL



KEY PLAN

SCALE: NOT TO SCALE

PLAN NORTH

LICENSED ARCHITECT
ELIZABETH CORONADO
No. 4983
STATE OF MAINE
5-15-26

0 4' 8' 16'
Scale: 1/8" = 1'-0"

Scale: AS NOTED

Designed by:

COLBY COMPANY, LLC
engineering & design
47A York Street, Portland, ME 04101
207.553.7753

CONSULTANT PROJECT MANAGER: MIKE KELLEY

No.	Revision	By	Date
1	ADDENDUM	EAC	05/15/26
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

	By	Date		By	Date
Designed	SRP	04/17/2026	Checked	EAC	04/17/2026
Drawn	JDR	04/17/2026	In Charge of	MJK	04/17/2026

COLBY COMPANY, LLC CCE engineering & design

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MAINE TURNPIKE

MTA PROJECT MANAGER: JACQUELINE HANSEN

THE GOLD STAR MEMORIAL HIGHWAY

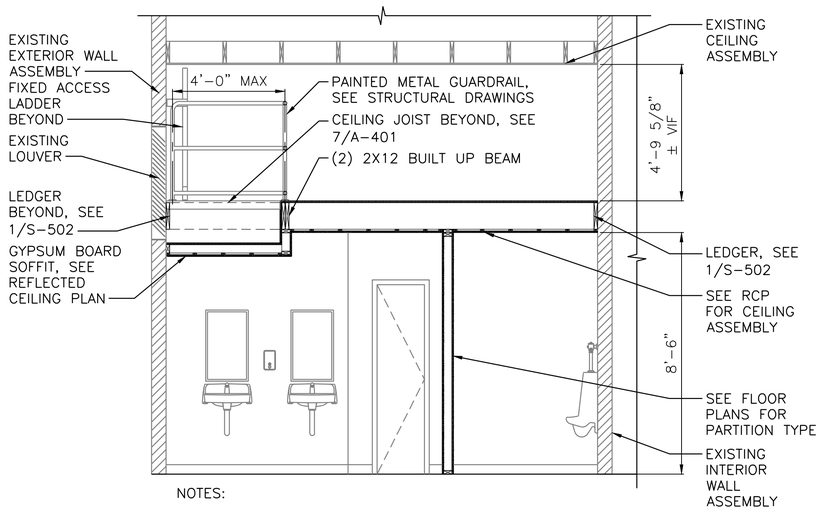
KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION
MAINE TURNPIKE AUTHORITY

8 BAY NORTH AND SOUTH PLANS

SHEET NUMBER: A-102

CONTRACT: 2026.08

27 OF 62

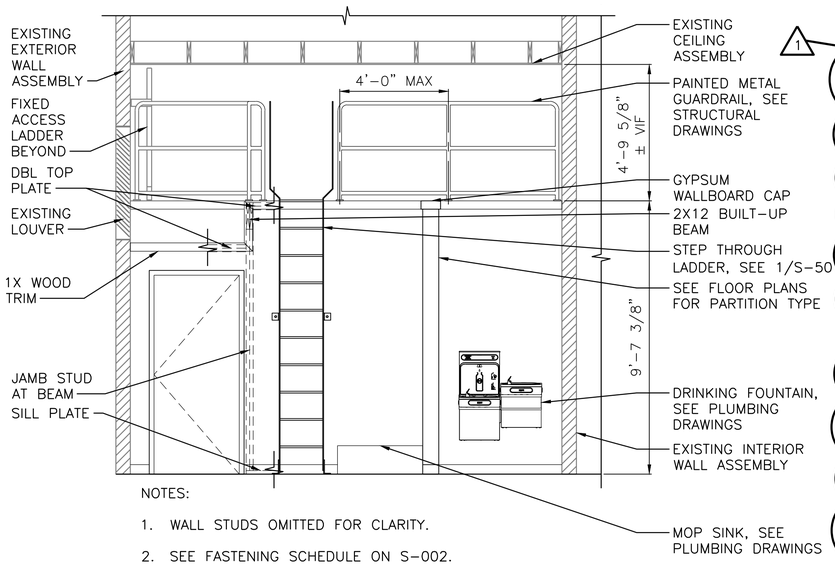


NOTES:

1. WALL STUDS OMITTED FOR CLARITY.
2. SEE FASTENING SCHEDULE ON S-002.
3. SEE ENLARGED PLANS FOR RESTROOM INFORMATION.

4 / A-501 SECTION A

SCALE: 3/8" = 1'-0"

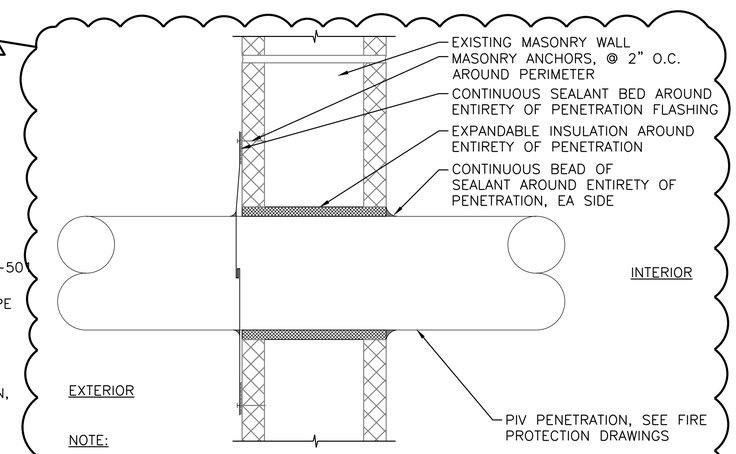


NOTES:

1. WALL STUDS OMITTED FOR CLARITY.
2. SEE FASTENING SCHEDULE ON S-002.

3 / A-501 ELEVATION A

SCALE: 3/8" = 1'-0"

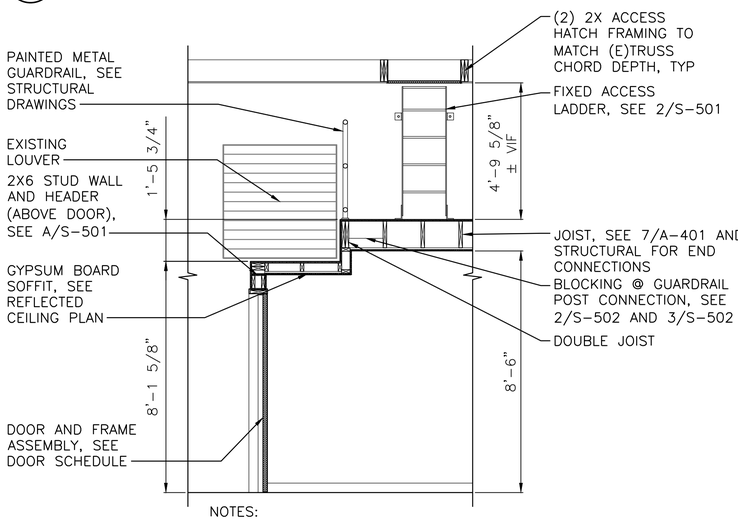


NOTE:

FLASHING AT PIPE PENETRATIONS MUST BE FABRICATED FROM FLATSTOCK SHEETS AS NECESSARY. QUANTITY OF FLATSTOCK REQUIRED MUST BE PROVIDED BY CONTRACTOR (NOT BY MANUFACTURER). FLATSTOCK MUST MATCH EXISTING MASONRY COLOR FINISH OR AS APPROVED BY OWNER

1 / A-501 PENETRATION DETAIL AT EXISTING EXTERIOR MASONRY WALL – PIV

SCALE: 3" = 1'-0"

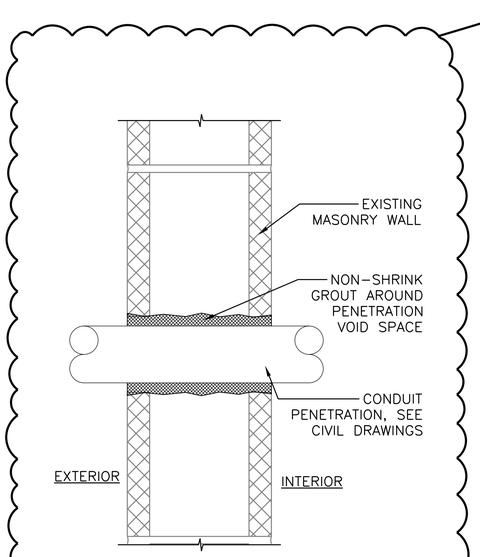


NOTES:

1. WALL STUDS OMITTED FOR CLARITY.
2. SEE FASTENING SCHEDULE ON S-002.
3. SEE 4/S-501 FOR INFORMATION NOT SHOWN.

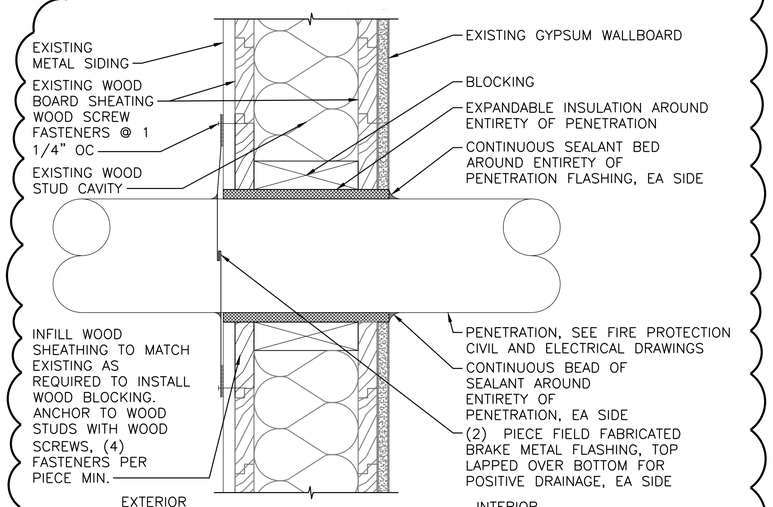
5 / A-501 SECTION B

SCALE: 3/8" = 1'-0"



6 / A-501 CONDUIT PENETRATION THROUGH MASONRY WALL

SCALE: 3" = 1'-0"



NOTE:

FLASHING AT PIPE PENETRATIONS MUST BE FABRICATED FROM FLATSTOCK SHEETS AS NECESSARY. QUANTITY OF FLATSTOCK REQUIRED MUST BE PROVIDED BY CONTRACTOR (NOT BY MANUFACTURER). FLATSTOCK MUST MATCH EXISTING EXTERIOR METAL PANEL COLOR FINISH OR AS APPROVED BY OWNER

2 / A-501 PENETRATION DETAIL AT EXISTING EXTERIOR WOOD STUD WALL

SCALE: 3" = 1'-0"

Scale: 3/8" = 1'-0" (0, 2', 4', 6')

Scale: 3" = 1'-0" (0, 3", 6", 9")

LICENSED ARCHITECT — ELIZABETH CORONADO — NO. 4983 — STATE OF MAINE — 5-15-26

Scale: AS NOTED

Designed by:

COLBY COMPANY, LLC
engineering & design
47A York Street, Portland, ME 04101
207.553.7753

No.	Revision	By	Date
1	ADDENDUM	EAC	05/15/26
0	ISSUE FOR CONSTRUCTION	MJK	04/22/26

CONSULTANT PROJECT MANAGER: MIKE KELLEY

	By	Date		By	Date
Designed	SRP	04/17/2026	Checked	EAC	04/17/2026
Drawn	JDR	04/17/2026	In Charge of	MJK	04/17/2026

COLBY COMPANY, LLC — CCE — engineering & design

47A York St
Portland, ME
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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: JACQUELINE HANSEN

KENNEBUNK MAINTENANCE FIRE PROTECTION MITIGATION
MAINE TURNPIKE AUTHORITY

PARTITION TYPES AND TYPICAL DETAILS

SHEET NUMBER: A-501

CONTRACT: 2026.08

29 OF 62

Addendum No. 2