

**WARDTOWN MOBILE HOME COOPERATIVE
PHASE 1 - WATER DISTRIBUTION SYSTEM REPLACEMENT, EAST SIDE
FREEPORT, MAINE**

ADDENDUM #1

DATE: April 16, 2026
TO: PLAN HOLDERS

This ADDENDUM #1 shall become part of the Bidding Documents, Contract Documents and Technical Specifications (Documents) for the above referenced project. BIDDERS, please acknowledge receipt of this ADDENDUM #1 on the BID FORM (Page 1). This ADDENDUM #1 consists of 44 pages in total, including revised bid plans. Responses to questions or comments presented to the Engineer are provided below *in italics*.

1. During the pre-bid meeting, it was discovered the technical specifications stated conflicting durations for Substantial and Final Completion. Bid Form Section 00 41 43, Notice to Proceed 00 55 00, have been updated to reflect 180 Days for Substantial Completion and 210 Days for Final Completion.
2. Boring data and owner experience suggests bedrock or ledge within the project limits is likely hard rock.
3. Are American Flow Control DI body valve meeting AWWA C515 an acceptable alternate to the specified C509 Cast Iron body valves?

Yes, valves meeting AWWA C515 are an acceptable alternate to C509 valves.

4. Can Bid Item #3, *Three-inch Water Main*, utilize DR 11 piping? This may save cost and time for delivery.

Yes. DR 13.5 is a minimum specification for this project.

5. Water service material is not specified on the site plans. Please Clarify.

The preference of the owner is 3/4 Inch Diameter HDPE (200 PSI) Pipe or an approved equivalent. Revised site plans are appended with this Addendum #1.

6. Does the Owner have a preference on valve open direction?

Valves shall open counter-clockwise (to the left). See also Technical Specification 33 14 00, WATER UTILITY PIPING, VALVES, AND ACCESSORIES, Paragraph 2.3 (A) and Paragraph 2.9 (B).

7. Bedding material specified on the site plans shows MDOT "TYPE A". Is this the intended bedding material specification?

The design intent is to provide typical sand material for water main installation. This material shall meet material requirements of Maine DOT specifications 206.02 Construction Methods and 603.04 Bedding. Standard Trench Notes – Water, Sheet C3.2, Note 2 has been revised to reflect this bedding specification.

8. The water meter pit is an Additive Alternate. Is that part of the project, as shown on the plans?

The Owner greatly desires the installation of individual water meter pit assemblies at each service connection. Water Meter Pit Assemblies are included in the Bid Schedule as an Additive Alternate bid item for Owner's sole review and consideration of costs as to whether to include with the project should approved funding remain.

9. Is there an anticipated laydown area available during construction?

Yes. A large, grassed field south of the on-site Office (1 Jean Street) will be available for vehicle, equipment, and material laydown storage during construction. The paved driveway along this field shall remain open 24/7/365 for potential emergency access and shall not be obstructed without prior written approval from the Owner.

10. There appears to be a discrepancy between Bid Schedule Item #12 and 01 22 13 Measurement and Payment Item #12 regarding the scope and pavement depths. Please clarify the design intent?

The design intent for temporary and final pavement quantities have been revised. Bid Item #12 (1-inch Temporary Pavement) is now eliminated from the project. The Owner has confirmed temporary gravel roadways are acceptable. Appropriate backfill and gravels shall be used for temporarily closing trenches and shall be incidental to the project. Dust Removal shall be incidental to Item 1, General Conditions, Mobilization, and Demobilization.

A new Bid Item #19, 2-Inch Final Pavement Overlay, has been added to the project. We have estimated half of the existing paved surfaces may need a final overlay following completion of construction. Bid Item #19 quantity is estimated at 265 tons at 2 inches thick.

Bid Form 00 41 43 and Measurement and Payment 01 22 13 sections in the spec book have been updated for this new bid item. Revised construction plans and technical specifications accompany this Addendum #1.

11. What is the minimum pipe depth?

The pipe depth may be reduced to five (5) feet minimum cover with appropriate rigid foam insulation. Revised site plans are appended with this Addendum #1.

12. Can bids include a realignment of the design to utilize existing water trenches?

For the purposes of Bid Submittals, all bids shall be priced assuming the current design plans and specifications and all published Addendums. Utilizing existing water trenches along the design alignment is acceptable at this time with the understanding the selected contractor must maintain 10 feet of separation between water and sewer utilities. The selected contractor may submit a revised alignment proposal to the Engineer and Owner for review and consideration of an initial Change Order 0, however, Change Order 0 shall not increase the project Base Bid cost under any circumstance.

13. Are water services allowed to daylight at the front of each home, then pipe to the existing water connection beneath each home?

Any water services above grade shall be insulated and wrapped with heat tape. See Sheet C3.2, WATER SERVICE UNDER HOUSE DETAIL. The Contractor shall be responsible for the heat tape plug and bringing the plug through the existing home unit flooring. The plug and wiring shall have sufficient length to connect to a power source inside of each home unit. If a power source is found to exist beneath a home unit for the purpose of powering heat tape, the contractor shall plug the new heat tape into the existing outlet beneath the home unit.

The homeowner is responsible for plugging the heat tape connection into an internal power source.

14. May temporary water be placed directly between the pumphouse and the southwest area of Circle Drive?

Yes, this is acceptable.

- 15. All updated documents can be found on Verdantas.com, under Plan Room.**

End of Addendum #1

SECTION 01 22 13

MEASUREMENT AND PAYMENT

PART 1 – GENERAL

1.1 SUMMARY

- A. This Section specifies administrative and procedural requirements for the measurement and payment of Contract pay items.

1.2 SUBMITTALS

- A. Provide the following submittals in accordance with Section 01 33 23.
 - 1. Field notes of all measurements for payment purposes.

1.3 SCHEDULING

- A. Notify Engineer as far in advance as possible of pay item measurements a minimum of three days prior to submission of the application for payment.
- B. Allow for and afford Engineer ample time, space, and equipment to observe and verify measurements.

1.4 DESCRIPTION

- A. For unit price items, the Contractor shall be paid for the actual amount of work accepted and for the actual amount of materials in place during the period of construction. After the work is completed and before final payment is made, the Engineer shall make final measurements to determine the quantities of the various Item of work accepted as the basis for final payment.
- B. For lump sum items, the Contractor shall be paid on the basis of actual work accepted until the work item is completed. Upon completion of the item, 100 percent of the lump sum price may be paid, subject to the terms of the General Conditions or Supplemental Conditions.
- C. All units of measurement shall be standard United States convention as applied to the specific Item of work by tradition and as interpreted by the Engineer.

1.5 MEASUREMENT REQUIREMENTS

- A. Where payments are to be made on a unit price or adjustment item unit price basis, notify Engineer so that they may observe existing conditions and the status of work-in-place and may witness measurements being made. Where Engineer has not witnessed required measurements and cannot verify or substantiate quantities, they may not recommend payment for same.
- B. Maintain complete and legible field notes for all measured items. Notes shall contain spaces for Contractor's and Engineer's signatures plus additional space for comments. An original and copy shall be made for all notes with the copy being submitted to Engineer. The Engineer's signature shall not be construed as an acceptance of the Work or the measurements made but shall mean the Engineer was present when the measurements were made.
- C. The Owner reserves the right to reject the Contractor's measurement of work-in-place and to have this Work measured by the Engineer or independent party acceptable to the Contractor at the Owner's expense.

1.6 LIMITS OF PAYMENT

- A. Payments will be made for the quantities installed and accepted in accordance with the Contract. Upon completion of construction, if actual quantities are different than the quantities estimated in the Bid, the Contract unit prices will still prevail, except as follows. When alterations in the quantities of work not requiring Change Orders are ordered and performed, the Contractor shall accept payment in full at the Contract price for the actual quantities of work done. No allowance will be made for anticipated profits. Increased or decreased work involving Change Orders will be paid for as stipulated in such Change Orders.
- B. The Contractor shall accept as full payment for furnishing all materials, labor, tools, equipment, and incidentals necessary to complete the work and for performing all work; also for all loss or damage arising from the nature of the Work, or from the action of the elements, or from any unforeseen difficulties which may be encountered during the prosecution of the work. No extra payment shall be made to the Contractor for any delays caused by defective workmanship or rescheduling of work by others.

1.7 WORK ELIMINATED FROM CONTRACT

- A. Should any work be deleted from the Contract a Change Order shall be issued as stipulated in the General Conditions.

1.8 PARTIAL PAYMENTS

- A. Partial payments shall be made monthly as the work progresses. All partial invoices and payments shall be subject to correction in the final quantity invoice and payment. No

monthly payment shall be required to be made when, in the judgment of the Engineer, the Work is not proceeding in accordance with the provisions of the Contract.

- B. No partial payment shall be made upon fuels, supplies, lumber, false work, or other materials, or on temporary structures of any kind which are not a permanent part of the Contract.
- C. Each subsequent Application for Payment shall include an affidavit of the Contractor stating that all previous progress payments received on account of the Work have been applied to discharge in full all of the Contractor's obligations reflected in prior Applications for Payment. The Owner shall have the right to deduct from the next progress payment an amount equal to payment for said material and/or equipment if reasonable and adequate proof is not submitted.

1.9 FINAL PAYMENT

- A. The Contractor will prepare a final payment requisition for review by the Engineer for the work performed. Upon approval by the Engineer, the Owner will pay the entire sum found to be due less any retainage provided for in the General Conditions and any previous payments.

1.11 PAYMENT FOR MATERIALS DELIVERED

- A. Payment may be made for all or part of the value of materials stored on site. The application for payment shall be accompanied by a summary of materials stored on site that will establish the Owner's title to the materials and protect the Owner's interest therein, including insurance. The amount thus paid by the Owner shall reduce the estimated amounts due the Contractor as the material is incorporated into the Work. Materials stored on site, that have been paid for by the Owner, shall become the property of the Owner and, in the event of default on the part of the Contractor, the Owner may use these materials in the construction of the Work. The Contractor shall be responsible for any damage to, or loss of, any materials.

PART 2 – PRODUCTS

2.1 GENERAL

- A. Provide all labor, materials, facilities, measuring devices and all other equipment necessary to perform all measurements for payment purposes.

PART 3 – EXECUTION

3.1 GENERAL

- A. Perform all measuring required by this Section.
- B. No separate payments will be made for Work under this Contract except for the pay Item stipulated in this Part 3. All costs in connection with the Work shall be included in one or more of the pay Item as appropriate.
- C. The names of pay Item in this Section, the Schedule of Values, or the Bid Form may be abbreviated or non-comprehensive and are for general identification purposes of the item only. The names shall not be construed to represent a complete description of all the Work included under each pay item. Refer to the subsequent paragraphs of this Section for more complete descriptions of Work to be included under each Contract pay item.

3.2 LUMP SUM PRICE PAY ITEMS

- A. Measurement - no measurements will be made.
- B. Payment shall be on a lump sum basis, based on the percentage of work completed and accepted by the engineer for each lump sum pay item.

3.3 UNIT PRICE PAY ITEMS

- A. Measurement and payment shall be made by the unit.

3.4 DESCRIPTION OF PAY ITEMS

The following pay Item describe the measurement of and payment for the work to be done under the Item listed in the Bid.

Item 1 – General Conditions, Mobilization, and Demobilization

- A. Measurement: Mobilization shall consist of preparatory work and operations including but not limited to, the following items:
 - 1. Testing not paid for by the Owner
 - 2. Equipment delivery
 - 3. Engineer office trailer and facilities
 - 4. Sanitary facilities
 - 5. Traffic control including traffic control plan
 - 6. Furnishing of bonds/insurance
 - 7. Dust control
 - 8. Temporary water/sewer/drainage service

9. Interconnection to existing mains or service lines not specifically paid for under any other item
10. Erosion control
11. Permits and permit conditions
12. Removal and disposal of existing structures (unless otherwise provided for)
13. Removal and salvage of existing structures to the Owner's yard
14. Raising/lowering castings as needed
15. Removal and disposal of existing trench pavement
16. Plugging existing pipes to be abandoned
17. Tie-in to existing basins/pipes/structures
18. Roadway striping (temporary)
19. Survey/layout re-establishment
20. Clearing, grubbing, stripping
21. Tree trimming
22. Dewatering
23. Clean-up
24. Construction signs/project signs
25. Coordination with utilities, other contractors, and other project-related entities
26. Utility crossings and relocations, unless otherwise provided for
27. Minor items, such as replacement of fences, guardrails, rock walls, curbs, concrete pipe encasement, etc.
28. Steel and/or wood sheeting as required, including that left in place
29. Installation and removal of temporary facilities
30. Project record drawings
31. Furnishing of surety bonds and insurance
32. Submittals

B. Payments:

1. Payment shall be made at the contract lump sum price, which price shall be full compensation for all costs incurred in furnishing labor, tools, materials and equipment and incidental work item costs for the preparatory work and operations described in the above measurement section for this item.
2. For the purpose of computing payments, the adjusted contract price shall include all contract unit price and lump sum Item except the contract lump sum price for the item General Conditions, Mobilization, and Demobilization.
3. Payments shall be made as follows:
 - a. First payment of fifty percent (50%) of the contract lump sum price for Mobilization or 2.5 percent of the adjusted contract price, whichever is less, will be made not later than payment of the first application for payment following the completion of five percent (5%) of the total contract price.

- b. Second payment of twenty five percent (25%) of the contract lump sum price for Mobilization or 1.2 percent of the adjusted contract price, whichever is less, will be made not later than payment of the first application for payment following the completion of fifty percent (50%) of the total contract price.
- c. Upon substantial completion of all work on the project, payment of the remainder of the contract lump sum price for Mobilization will be paid.

Item 2 – Cut, Cap, and Abandon Existing Watermain Piping

- A. Measurement shall be per the actual number of crossings with the existing watermain requiring to be cut, capped, and abandoned.
- B. Payment for cutting, capping, removing and disposing of existing watermain shall be made for the quantity installed at the unit bid price per each as stated in the Basis of Bid. Payment shall be full compensation for excavation, dewatering, shoring, removal, disposal, directed refill, compaction and all other work incidental to the satisfactory completion of the item for which payment is not provided under other items.

Item 3 – 3” Water Main

- A. Measurement – Actual length in feet of water main installed as specified. Measurement shall be made along the centerline of the pipe. No deductions shall be made for valves and fittings.
- B. Payment for furnishing and installing pipe of the size specified shall be made for the quantity installed at the unit bid price per linear foot as stated in the Bid. Payment shall be full compensation for clearing/tree branch trimming, holding utility poles, excavation (except rock excavation), sheeting and bracing, dewatering, trench dams, pipe, polyethylene wrap if required, fittings, bedding, jointing, connections to existing, select backfill around and over pipe, joint restraint, thrust blocks, warning tape, tracer wire, screening of in-kind soil backfill, in kind backfill, disposal of excess material, compaction, restoring the trench surface to grade, in kind gravel backfill, testing, chlorination, and all work incidental to the satisfactory completion of the item for which payment is not provided under other items. Payment will be made for ninety (90) percent of the price upon completion of installation; the remaining ten (10) percent upon completing satisfactory testing subject to other retainages set forth in the Contract Documents. Payment for this item may be withheld if the Record Drawings do not reflect the work for which payment is requested.

Item 4 – 3” Gate Valve Assembly with Valve Boxes

- A. Measurement – Actual number of gate valve assemblies installed as specified for valves.

- B.** Payment – Payment for furnishing and installing gate valves of the size specified shall be made for the quantity installed at the unit bid price each as stated in the bid schedule. Payment shall be full compensation for furnishing and installing gate valves, box to grade and cover, traffic control/flagging, joint restraint, dewatering, bedding, excavation (except rock excavation), sheeting and bracing, in-kind soil backfilling and compaction, restoring the trench surface to grade, testing, chlorination, ties and all work incidental to the satisfactory completion of the item for which payment is not provided under other items.

Item 5 – Air Release Assembly

- A.** Measurement – Actual number of air releases furnished and installed.
- B.** Payment – Payment for furnishing and installing air releases of the size specified shall be made for the quantity installed at the unit bid price each as stated in the bid schedule. Payment shall be full compensation for furnishing and installing air releases, appurtenances, box to grade and cover, traffic control/flagging, joint restraint, dewatering, bedding, excavation (except rock excavation), sheeting and bracing, in-kind soil backfilling and compaction, restoring the trench surface to grade, testing, and all work incidental to the satisfactory completion of the item for which payment is not provided under other items.

Item 6 – 3/4” Water Service Pipe, Open Cut

- A.** Measurement for payment shall be the actual length in feet of water service pipe furnished and installed. Measurement shall be made along the centerline of the pipe. No deductions shall be made for valves, fittings, and through structures.
- B.** Payment for furnishing and installing Item shall be made for the quantity installed at the unit bid price per each as stated in the Bid. This includes all corporation stops, saddles, curb stops, and boxes to grade furnished and installed. Payment shall be full compensation for holding utility poles, HPDE sleeve underneath roadway, boring activities (if needed), excavation (except rock excavation), sheeting and bracing, dewatering, materials included in specific item, bedding, jointing, connections to existing, select backfill, warning tape, in-kind soil backfilling, compaction, restoring the trench surface to grade, in kind gravel backfill at surface, testing, chlorination, and all work incidental to the satisfactory completion of the item for which payment is not provided under other items.

Item 7 – Water Service Riser Assembly Below Units

- A.** Measurement shall be per the actual number of service riser assemblies furnished and installed.
- B.** Payment for furnishing and installing the riser assemblies shall be made for the quantity installed at the unit bid price per each as stated in the Basis of Bid. Payment shall be full compensation for supervision by a licensed plumber, removal and replacement of skirting

as needed, excavation below unit, piping, shut off ball valve, heat tape, sono tubing, insulation, backfilling, and all work incidental to the satisfactory completion of the item for which payment is not provided under other items. Refer to the riser assembly detail in the Plans.

Item 8 – Eclipse Post Flushing Hydrant Assembly with 2” Pipe and 50-foot Hose

- A. Measurement shall be per the actual number of flushing hydrants with three-inch curb stops, and corporation furnished and installed, and one (1) fifty foot hose.
- B. Payment for installing flushing hydrants shall be made for the quantity installed at the unit bid price per each as stated in the Bid. Payment shall be full compensation for holding utility poles, excavation (except rock excavation), sheeting and bracing, dewatering, materials included in specific item, hydrant extension if needed, bedding, jointing, select backfill, joint restraint, thrust blocks, warning tape, in-kind soil backfilling, compaction, restoring the trench surface to grade, in kind gravel backfill at surface, testing, chlorination, and all work incidental to the satisfactory completion of the item for which payment is not provided under other items.

Item 9 – Two-Inch Thick Rigid Board Insulation

- A. Measurement shall be the actual length, in linear feet, of two-inch thick, two-foot wide, rigid foam insulation installed as specified.
- B. Payment for furnishing and installing rigid insulation as specified shall be made for the quantity installed at the unit bid price per linear foot as stated in the Basis of Bid. Payment shall be full compensation for furnishing and installing rigid foam insulation including all work incidental to the satisfactory completion of the item for which payment is not provided under other items.

Item 10 – Two (2) Inch Temporary Water and Associated Pavement Repair, if any

- A. Measurement shall be proportional to the percentage of work installed and accepted by the Engineer.
- A. Payment for furnishing, installing components and establishing connection shall be made for the lump sum price of the item stated in the Bid to connect temporary water service to residences impacted by the project. This includes all house connections, either at the sillcock or curb stop. Payment shall be full compensation for the excavation (except rock excavation), sheeting and bracing, dewatering, materials included in specific item, bedding, joint restraints, thrust blocks, warning tape, in-kind soil backfilling, compaction, restoring the trench surface to grade, in-kind gravel backfill at surface, testing, chlorination, troubleshooting of residences with no water, associated pavement installation and repair (if needed), and all other Item incidental to the satisfactory completion of this item.

Item 11 – Interconnection to Existing Well Pump House Water Source(s)

- A. Measurement shall be lump sum furnished, installed, and connected. Measurement shall be proportional to the completed work. Refer to interconnection notes on Contract Plans for specific connection components.
- B. Payment for furnishing, installing components, and establishing connection(s) shall be made for the lump sum price of the item stated in the Bid. Payment shall be full compensation for holding utility poles, excavation (except rock excavation), sheeting and bracing, dewatering, materials included in the specific item, bedding, jointing, select backfill, joint restraint, thrust blocks, warning tape, in-kind soil backfilling, compaction, restoring the trench surface to grade, in-kind soil backfill at surface, testing, chlorination, capping of existing water mains, and all work incidental to the satisfactory completion of the item for which payment is not provided under other items.

~~Item 12 – Bituminous Pavement Trench Patch for Roadways and Driveways (Machine Method Pavement and/or Hand Method Pavement)~~

- ~~A. Measurement shall be the actual number of tons in place as determined by actual field measurement and yield per ton. Weight slips shall be used for comparison and reference only. The average depth of the pavement shall be 1 inches, unless otherwise indicated by an approved Additive Alternative.~~
- ~~B. Payment for furnishing and installing double course pavement shall be at the unit price per ton as stated in the Bid. Payment shall be full compensation for removing existing pavement, furnishing and installing bituminous concrete materials, fine subgrade grading, coarse subgrade grading, existing pavement preparation, tack coat, compaction, pavement striping, and all work incidental to the satisfactory completion of the item for which payment is not provided under other items.~~

Item 13 - Unsuitable Material

- A. Measurement shall be the in-place volume (or negotiated volume) in cubic yards of unsuitable material removed, disposed, and refilled with Select Fill as directed by the Engineer, to the payment limits shown on the plans. Material that is found to be unsuitable due to saturated moisture conditions only shall be stockpiled until sufficiently dewatered to allow its reuse. Material of this nature will not be considered unsuitable.
- B. Payment for removing and disposing of unsuitable material and material refill shall be at the unit price per cubic yard as stated in the Basis of Bid. Payment shall be full compensation for excavation, dewatering, shoring, removal, disposal, directed refill, compaction and all other work incidental to the satisfactory completion of the item for which payment is not provided under other items.

Item 14 - Rock Removal

A. Method of Measurement:

1. The quantity to be measured for payment shall be the actual in place volume, in cubic yards, of ledge removed within the stipulated pay limits. The width used to compute the volume of ledge for payment shall be the width, as shown of the Drawings. The depth used to compute the volume of ledge removed shall be determined from the actual ledge surface elevation and shall extend 6 inches below the bottom of the pipe or structure.
2. Measurements for computing volumes shall be determined by one of the following methods as selected by the Engineer:
 - a. By field measurement of the depth and width of ledge excavation as determined by the Engineer.
 - b. From actual ledge profile taken of exposed ledge before proceeding with the ledge excavation.
3. Rocks or boulders greater than two (2) cubic yards in volume shall be considered as ledge excavation only if blasting or power drilling is required to remove the rock. Volume of rocks and boulders shall be determined from their average length, width and depth as determined by the Engineer.
4. Loose rock which can be removed without blasting or power drilling will not be paid for under this item.

- B.** Payment shall be made at the unit price per cubic yard as stated in the Bid which shall be full compensation for removing rock and replacement with suitable fill and for all labor, materials, tools and equipment, and for all work and expenses incidental thereto for which payment is not provided under other items.

Item 15 - Restoration of Surfaces (Fences, Steps, Boulder Walls, Landscaping, etc.)

A. Measurement shall be lump sum.

- B.** Payment for restoration of surfaces shall be made for the quantity installed at the lump sum price as stated in the Bid. Payment shall be full compensation for removal and replacement of signage, fencing, mailboxes, boulder walls, grading and compaction of shoulders and lawn areas, crushed shoulder gravel as required, landscaping restoration, and all work incidental to the satisfactory completion of the item for which payment is not provided under other items.

Item 16 - Erosion Control Practices (Installation and Maintenance)

- A. Measurement shall be lump sum.
- B. Payment for furnishing, installing, and maintaining erosion controls measures adequate for control shall be made for the quantity installed at the lump sum price as stated in the Bid. Payment shall be full compensation for all required erosion and sedimentation measures necessary, conformance with the EPA Stormwater Pollution Prevention Plan (SWPPP) and Notice of Intent (NOI) to be prepared and submitted by the Engineer, and all work incidental to the satisfactory completion of the item for which payment is not provided under other items. Owner/Engineer will complete erosion control inspections.

Item 17 - Loam, Fertilize, Seed and Mulching

- A. Measurement shall be lump sum. Measurement is for watermain loaming only. Loaming required for installation of subsurface disposal systems shall be paid under item for individual leach fields.
- B. Payment for furnishing and installing loam, seed, fertilizer, and mulch shall be made for the quantity installed at the lump sum price as stated in the Bid. Payment shall be full compensation for all work incidental to the satisfactory completion of the item for which payment is not provided under other items.

Item 18 - Traffic Control

- A. Measurement shall be lump sum.
- B. Payment for furnishing traffic control plans and traffic controls (signage, lights, uniformed officers and vehicles, flaggers, etc.) as needed, as required for safe management of traffic and prosecution of the work, and as required by the Owner and/or NHDOT. Payment shall be made for the quantity provided at the lump sum price as stated in the Bid. Payment shall be full compensation for all work incidental to the satisfactory completion of the item for which payment is not provided under other items.

Item 19 – Bituminous Pavement Final Overlay for Roadways and Driveways (Machine Method Pavement and/or Hand Method Pavement)

- A. Measurement shall be the actual number of tons in place as determined by actual field measurement and yield per ton. Weight slips shall be used for comparison and reference only. The average depth of the pavement shall be two (2) inches, unless otherwise indicated by an approved Additive Alternative.
- B. Payment for furnishing and installing pavement shall be at the unit price per ton as stated in the Bid. Payment shall be full compensation for removing existing pavement,

furnishing and installing bituminous concrete materials, fine subgrade grading, coarse subgrade grading, existing pavement preparation, tack coat, compaction, pavement striping, and all work incidental to the satisfactory completion of the item for which payment is not provided under other items.

Additive Alternative #1 - Alternative For PVC Water Main Material

- A.** Measurement – Actual length in linear feet of water main installed as specified. Measurement shall be made along the centerline of the pipe. No deductions shall be made for valves and fittings.
- B.** Payment for furnishing and installing pipe of the size specified shall be made for the quantity installed at the unit bid price per linear foot as stated in the Bid. Payment shall be full compensation for clearing/tree branch trimming, holding utility poles, excavation (except rock excavation), sheeting and bracing, dewatering, trench dams, pipe, polyethylene wrap if required, fittings, bedding, jointing, connections to existing, select backfill around and over pipe, joint restraint, thrust blocks, warning tape, tracer wire (for PVC pipe), screening of in-kind soil backfill, in kind backfill, disposal of excess material, compaction, restoring the trench surface to grade, in kind gravel backfill, testing, chlorination, and all work incidental to the satisfactory completion of the item for which payment is not provided under other items. Payment will be made for ninety (90) percent of the price upon completion of installation; the remaining ten (10) percent upon completing satisfactory testing subject to other retainages set forth in the Contract Documents. Payment for this item may be withheld if the Record Drawings do not reflect the work for which payment is requested.

Additive Alternative #2 - Alternative For DI Water Main Material

- A.** Measurement – Actual length in linear feet of water main installed as specified. Measurement shall be made along the centerline of the pipe. No deductions shall be made for valves and fittings.
- B.** Payment for furnishing and installing pipe of the size specified shall be made for the quantity installed at the unit bid price per linear foot as stated in the Bid. Payment shall be full compensation for clearing/tree branch trimming, holding utility poles, excavation (except rock excavation), sheeting and bracing, dewatering, trench dams, pipe, polyethylene wrap if required, fittings, bedding, jointing, connections to existing, select backfill around and over pipe, joint restraint, thrust blocks, warning tape, tracer wire (for PVC pipe), screening of in-kind soil backfill, in kind backfill, disposal of excess material, compaction, restoring the trench surface to grade, in kind gravel backfill, testing, chlorination, and all work incidental to the satisfactory completion of the item for which payment is not provided under other items. Payment will be made for ninety (90) percent of the price upon completion of installation; the remaining ten (10) percent upon completing satisfactory testing subject to other retainages set forth in the Contract

Documents. Payment for this item may be withheld if the Record Drawings do not reflect the work for which payment is requested.

Additive Alternative #3 - Alternative For Additional 3/4" Water Service Residential
Meter Pit Assembly

- A. Measurement for payment shall be the actual number of residential meter pits furnished and installed. No deductions shall be made for valves, fittings, and through structures.
- B. Payment for furnishing and installing Item shall be made for the quantity installed at the unit bid price per each as stated in the Bid. This includes all piping, structures, frames and grates or boxes to grade furnished and installed. Payment shall be full compensation for holding utility poles, boring activities (if needed), excavation (except rock excavation), sheeting and bracing, dewatering, materials included in specific item, bedding, jointing, connections to existing, select backfill, warning tape, in-kind soil backfilling, compaction, restoring the trench surface to grade, in kind gravel backfill at surface, testing, chlorination, and all work incidental to the satisfactory completion of the item for which payment is not provided under other items.

End of Section

BID FORM FOR CONSTRUCTION CONTRACT

The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 1—OWNER AND BIDDER

- 1.01 This Bid is submitted to: **WARDTOWN MOBILE HOME COOPERATIVE, 1 JEAN STREET, FREEPORT, MAINE 04032**
- 1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2—ATTACHMENTS TO THIS BID

- 2.01 The following documents are submitted with and made a condition of this Bid:
 - A. Required Bid security;
 - B. List of Proposed Subcontractors;
 - C. List of Proposed Suppliers;
 - D. Evidence of authority to do business in the state of the Project; or a written covenant to obtain such authority within the time for acceptance of Bids;
 - E. Contractor’s license number as evidence of Bidder’s State Contractor’s License or a covenant by Bidder to obtain said license within the time for acceptance of Bids;
 - F. Required Bidder Qualification Statement with supporting data; and
 - G. **[List other documents and edit above as pertinent].**

ARTICLE 3—BASIS OF BID—LUMP SUM BID AND UNIT PRICES

3.01 *Lump-Sum Bids*

~~A. Bidder will complete the Work in accordance with the Contract Documents for the following lump sum (stipulated) price(s), together with any Unit Prices indicated in Paragraph 3.02:~~

~~1. Lump Sum Price (Single Lump Sum)~~

Lump Sum Bid Price	\$
-------------------------------	---------------

~~2. Lump Sum Price (Base Bid and Alternates)~~

Lump Sum Bid Price for Base Bid	\$
Alternate A [Add] [Deduct]	\$
Alternate B [Add] [Deduct]	\$

3. ~~Lump Sum Price (Sectional Lump Sum Bids)~~

Lump Sum Bid Price for Section I only	\$
Lump Sum Bid Price for Section II only	\$
Lump Sum Bid Price for Section I and II	\$

~~B. All specified cash allowance(s) are included in the price(s) set forth below, and have been computed in accordance with Paragraph 13.02 of the General Conditions.~~

Lump Sum for Cash Allowance 1	\$
Lump Sum for Cash Allowance 2	\$
Lump Sum for Cash Allowance 3	\$
Total for all Lump Sum for Cash Allowances	\$

~~C. All specified contingency allowances are included in the price(s) set forth below, and have been computed in accordance with Paragraph 13.02 of the General Conditions.~~

Lump Sum Contingency Allowance 1	\$
Lump Sum Contingency Allowance 2	\$
Lump Sum Contingency Allowance 3	\$
Total for all Lump Sum Contingency Allowances	\$

3.02 *Unit Price Bids*

A. Bidder will perform the following Work at the indicated unit prices:

BID SCHEDULE

BASE BID FOR INSTALLATION OF APPROXIMATELY 3,325 LINEAR FEET OF THREE (3) INCH DIAMETER HIGH-DENSITY POLYETHYLENE (HDPE), DR 13.5 REPLACEMENT WATER MAIN DISTRIBUTION PIPE AND APPURTENANCES, INCLUDING 30 WATER SERVICE LINE CONNECTIONS THROUGHOUT WARDTOWN MOBILE HOME COOPERATIVE WITH CONNECTION TO ONE EXISTING WELL PUMP HOUSE WATER SOURCE.

Item	Brief Description; Unit or Lump Sum Price	Quantity	Item
No.	(both words and numbers)	and Units	Price

- | | | | |
|----|---|----------|---------|
| 1. | General Conditions, Mobilization, Demobilization, and Miscellaneous Work, Per Lump Sum:
_____ Dollars
And _____ Cents (\$_____) | 1 LS | \$_____ |
| 2. | Cut, Cap, and Abandon Existing Water Main Piping, Per Each:
_____ Dollars
And _____ Cents (\$_____) | 10 EA | \$_____ |
| 3. | Three Inch Water Main - High-Density Polyethylene (HDPE), DR 13.5, per Linear Feet:
_____ Dollars
And _____ Cents (\$_____) | 3,325 LF | \$_____ |
| 4. | Three Inch Gate Valve Assembly with Valve Boxes, Per Each:
_____ Dollars
And _____ Cents (\$_____) | 19 EA | \$_____ |
| 5. | Air Release Assembly, Per Each:
_____ Dollars
And _____ Cents (\$_____) | 2 EA | \$_____ |
| 6. | Three-Quarter Inch Water Service Pipe, Open Cut, Per Linear Feet:
_____ Dollars
And _____ Cents (\$_____) | 3,785 LF | \$_____ |
| 7. | Water Service Riser Assembly Below Units, Per Each:
_____ Dollars
And _____ Cents (\$_____) | 30 EA | \$_____ |

8. Eclipse Post Flushing Hydrant Assembly with 2" Pipe, Per Each, and one (1) 50-foot Hose:
 _____ Dollars
 And _____ Cents (\$ _____) 2 EA \$ _____
9. Two (2) Inch Rigid Board Insulation, Per Linear Foot:
 _____ Dollars
 And _____ Cents (\$ _____) 80 LF \$ _____
10. Two (2) Inch Temporary Water and Associated Pavement Repair, if any, per Lump Sum:
 _____ Dollars
 And _____ Cents (\$ _____) 1 LS \$ _____
11. Interconnection to Existing Well Pump House Water Source(s), per Lump Sum:
 _____ Dollars
 And _____ Cents (\$ _____) 1 LS \$ _____
- ~~12. One (1) Inch Bituminous Pavement Temporary Trench Patch for Roadways and Driveways
 (Machine Method Pavement and/or Hand Method Pavement), per Ton:
 _____ Dollars
 And _____ Cents (\$ _____) 85 Tons \$ _____~~
13. Unsuitable Material, per Cubic Yard:
 _____ Dollars
 And _____ Cents (\$ _____) 948 CY \$ _____
14. Rock Removal, per Cubic Yard:
 _____ Dollars
 And _____ Cents (\$ _____) 1,750 CY \$ _____
15. Restoration of Surfaces (Fences, Steps, Boulder Walls, Landscaping, etc.), per Lump Sum:
 _____ Dollars
 And _____ Cents (\$ _____) 1 LS \$ _____
16. Erosion Control Practices (Installation and Maintenance), Per Lump Sum:
 _____ Dollars
 And _____ Cents (\$ _____) 1 LS \$ _____

17. Loam, Fertilize, Seed and Mulching, Per Lump Sum:
 _____ Dollars
 And _____ Cents (\$ _____) 1 LS \$ _____
18. Traffic Control, Per Lump Sum:
 _____ Dollars
 And _____ Cents (\$ _____) 1 LS \$ _____
19. 2 Inch Bituminous Concrete Pavement Final Overlay, Per Lump Sum:
 _____ Dollars
 And _____ Cents (\$ _____) 265 TONS \$ _____

Total Base Bid Price in Words

ADDITIVE ALTERNATIVE #1 [ALTERNATIVE FOR PVC WATER MAIN MATERIAL]

Item No.	Brief Description; Unit or Lump Sum Price (both words and numbers)	Quantity and Units	Item Price

AA-1.	Three Inch Water Main – Polyvinyl Chloride (PVC) Pipe, DR 26 (DR 21 Fittings), per Linear Feet: _____ Dollars And _____ Cents (\$ _____)	3,325 LF	\$ _____

Total Additive Alternative #1 Bid Price in Words

ADDITIVE ALTERNATIVE #2 [ALTERNATIVE FOR DI WATER MAIN MATERIAL]

Item No.	Brief Description; Unit or Lump Sum Price (both words and numbers)	Quantity and Units	Item Price
AA-2.	Three Inch Water Main – Ductile Iron (DI), Pressure Class 350, per Linear Feet: _____ Dollars And _____ Cents (\$_____)	3,325 LF	\$_____

Total Additive Alternative #2 Bid Price in Words

ADDITIVE ALTERNATIVE #3 [ALTERNATIVE FOR RESIDENTIAL WATER METER PIT ASSEMBLIES]

Item No.	Brief Description; Unit or Lump Sum Price (both words and numbers)	Quantity and Units	Item Price
AA-2.	Residential Water Meter Pit Assemblies, Per Each: _____ Dollars And _____ Cents (\$_____)	30 EA	\$_____

Total Additive Alternative #3 Bid Price in Words

B. Bidder acknowledges that:

1. each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor's overhead and profit for each separately identified item, and
2. estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Work will be based on actual quantities, determined as provided in the Contract Documents.

3.03 *Total Bid Price (Lump Sum and Unit Prices)*

Total Bid Price (Total of all Lump Sum and Unit Price Bids)	\$
---	----

ARTICLE 4—BASIS OF BID—COST PLUS FEE

4.01 The Contract Price will be the Cost of the Work, determined as provided in Paragraph 13.01 of the General Conditions, together with the following fee, and subject to the Guaranteed Maximum Price.

4.02 *Contractor's Fee*

A. Contractor's fee will be **[number]** percent of the Cost of the Work. No fee will be payable on the basis of costs itemized as excluded in Paragraph 13.01.C of the General Conditions.

1. The maximum amount payable by Owner as a percentage fee (Guaranteed Maximum Fee) will not exceed **[\$insert cap amount]**, subject to increases or decreases for changes in the Work.

B. Contractor's fee will be determined by applying the following percentages to the various portions of the Cost of the Work as defined in Article 13 of the General Conditions. No fee will be payable on the basis of costs itemized as excluded in Paragraph 13.01.C of the General Conditions:

Costs	Percent
Payroll costs (See Paragraph 13.01.B.1, General Conditions)	
Materials and Installed Equipment cost (GC-13.01.B.2)	
Amounts to be paid to Subcontractors (GC-13.01.B.3)	
Amount to be paid to special consultants (GC-13.01.B.4)	
Other costs (GC-13.01.B.5)	

1. The maximum amount payable by Owner as a percentage fee (Guaranteed Maximum Fee) will not exceed **[\$insert cap amount]**, subject to increases or decreases for changes in the Work.

C. Contractor's fee will be the fixed sum of **[\$number]**.

4.03 *Guaranteed Maximum Price*

A. The Guaranteed Maximum Price to Owner of the Cost of the Work including Contractor's Fee will not exceed **[\$Bidder fill in GMP]**.

ARTICLE 5—PRICE PLUS TIME BID

5.01 *Price Plus Time Contract Award (Stipulated Price Contract)*

A. ~~The Bidder to which an award of the Contract will be made will be determined in part on the basis of the Total Bid Price and the total number of calendar days to substantially complete the Work, in accordance with the following:~~

	Description		Amount
A	1. Total Bid Price		\${number}
	2. Total number of calendar days to substantially complete the Work	{number} days	
	3. Liquidated Damages Rate (from Agreement)	\${number}/day	
B	4. Adjustment Amount (2 x 3)		\${number}
A+B	5. Amount for Comparison of Bids		\${number}

B. ~~The purpose of the process in the table above is only to calculate the lowest price plus time (A+B) bid amount for bid comparison purposes. The price for completion of the Work (the Contract Price) is the Total Bid Price.~~

C. ~~Bonds required under Paragraph 6.01 of the General Conditions will be based on the Contract Price.~~

5.02 *Price Plus Time Contract Award (Cost Plus Fee with Guaranteed Maximum Price Contract)*

A. ~~The Bidder to which an award of Contract will be made will be determined in part on the basis of the Guaranteed Maximum Price and the total number of calendar days to substantially complete the Work, in accordance with the following:~~

	Description		Amount
A	1. Guaranteed Maximum Price		\${number}
	2. Total number of calendar days to substantially complete the Work	{number} days	
	3. Liquidated Damages Rate (from Agreement)	\${number}/day	
B	4. Adjustment Amount (2 x 3)		\${number}
A+B	5. Amount for Comparison of Bids		\${number}

B. ~~The purpose of the process in the table above is only to calculate the lowest price plus time (A+B) bid amount for bid comparison purposes. The price for completion of the Work (the Contract Price) is based on the cost of the Work, plus a fee, subject to a guaranteed maximum price, as set forth in the Agreement.~~

C. ~~Bonds required under Paragraph 6.01 of the General Conditions will be based on the Contract Price.~~

ARTICLE 6—TIME OF COMPLETION

6.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.

- 6.02 ~~Bidder agrees that the Work will be substantially complete on or before [Bidder inserts date], and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before [Bidder inserts date].~~
- 6.03 Bidder agrees that the Work will be substantially complete within **180** calendar days after the date when the Contract Times commence to run as provided in Paragraph 4.01 of the General Conditions, and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions within **210** calendar days after the date when the Contract Times commence to run.
- 6.04 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 7—BIDDER’S ACKNOWLEDGEMENTS: ACCEPTANCE PERIOD, INSTRUCTIONS, AND RECEIPT OF ADDENDA

7.01 *Bid Acceptance Period*

- A. This Bid will remain subject to acceptance for 60 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

7.02 *Instructions to Bidders*

- A. Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security.

7.03 *Receipt of Addenda*

- A. Bidder hereby acknowledges receipt of the following Addenda **(Bidder is to complete table)**.

Addendum Number	Addendum Date

ARTICLE 8—BIDDER’S REPRESENTATIONS AND CERTIFICATIONS

8.01 *Bidder’s Representations*

- A. In submitting this Bid, Bidder represents the following:
 1. Bidder has examined and carefully studied the Bidding Documents, including Addenda.
 2. Bidder has visited the Site, conducted a thorough visual examination of the Site and adjacent areas, and become familiar with the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
 3. Bidder is familiar with all Laws and Regulations that may affect cost, progress, and performance of the Work.

4. Bidder has carefully studied the reports of explorations and tests of subsurface conditions at or adjacent to the Site and the drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, with respect to the Technical Data in such reports and drawings.
5. Bidder has carefully studied the reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, with respect to Technical Data in such reports and drawings.
6. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and the Technical Data identified in the Supplementary Conditions or by definition, with respect to the effect of such information, observations, and Technical Data on (a) the cost, progress, and performance of the Work; (b) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, if selected as Contractor; and (c) Bidder's (Contractor's) safety precautions and programs.
7. Based on the information and observations referred to in the preceding paragraph, Bidder agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract.
8. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
9. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and of discrepancies between Site conditions and the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.
10. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.
11. The submission of this Bid constitutes an incontrovertible representation by Bidder that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

8.02 *Bidder's Certifications*

- A. The Bidder certifies the following:
 1. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation.
 2. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid.
 3. Bidder has not solicited or induced any individual or entity to refrain from bidding.

4. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 8.02.A:
 - a. Corrupt practice means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process.
 - b. Fraudulent practice means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition.
 - c. Collusive practice means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels.
 - d. Coercive practice means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

BIDDER hereby submits this Bid as set forth above:

Bidder:

(typed or printed name of organization)

By: _____
(individual's signature)

Name: _____
(typed or printed)

Title: _____
(typed or printed)

Date: _____
(typed or printed)

If Bidder is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.

Attest: _____
(individual's signature)

Name: _____
(typed or printed)

Title: _____
(typed or printed)

Date: _____
(typed or printed)

Address for giving notices:

Bidder's Contact:

Name: _____
(typed or printed)

Title: _____
(typed or printed)

Phone: _____

Email: _____

Address: _____

Bidder's Contractor License No.: (if applicable) _____

NOTICE TO PROCEED

Owner: Wardtown Mobile Home Cooperative Owner's Project No.: _____
Engineer: Verdantas, LLC Engineer's Project No.: 250184
Contractor: _____ Contractor's Project No.: _____
Project: Phase 1 – East Water Replacement Project
Contract Name: _____
Effective Date of Contract: _____

Owner hereby notifies Contractor that the Contract Times under the above Contract will commence to run on **[date Contract Times are to start]** pursuant to Paragraph 4.01 of the General Conditions.

On that date, Contractor shall start performing its obligations under the Contract Documents. No Work will be done at the Site prior to such date.

In accordance with the Agreement:

~~The date by which Substantial Completion must be achieved is **[date for Substantial Completion, from Agreement]**, and the date by which readiness for final payment must be achieved is **[date for readiness, from Agreement]**.~~

~~[or]~~

The number of days to achieve Substantial Completion is **180 days** from the date stated above for the commencement of the Contract Times, resulting in a date for Substantial Completion of **[date, calculated from commencement date above]**; and the number of days to achieve readiness for final payment is **210 days** from the commencement date of the Contract Times, resulting in a date for readiness for final payment of **[date, calculated from commencement date above]**.

Before starting any Work at the Site, Contractor must comply with the following:

[Note any access limitations, security procedures, or other restrictions]

Owner: Wardtown Mobile Home Cooperative
By (signature): _____
Name (printed): _____
Title: _____
Date Issued: _____
Copy: Engineer

WARDTOWN MOBILE HOME COOPERATIVE, INC.

PHASE 1 - EAST WATER REPLACEMENT PROJECT

JEAN STREET - CIRCLE DRIVE - KATIE LANE - WILL STREET

FREEPORT, MAINE

APRIL 2026

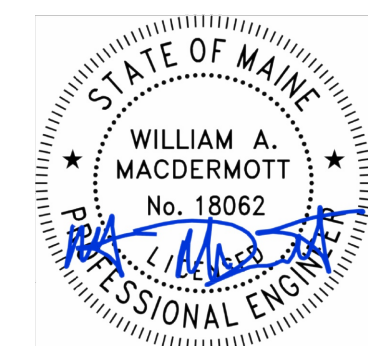
BID PLANSET - ADDENDUM 1

OWNER:

WARDTOWN MOBILE HOME COOPERATIVE, INC.
1 JEAN STREET
FREEPORT, MAINE 04032
(207) 558-8996

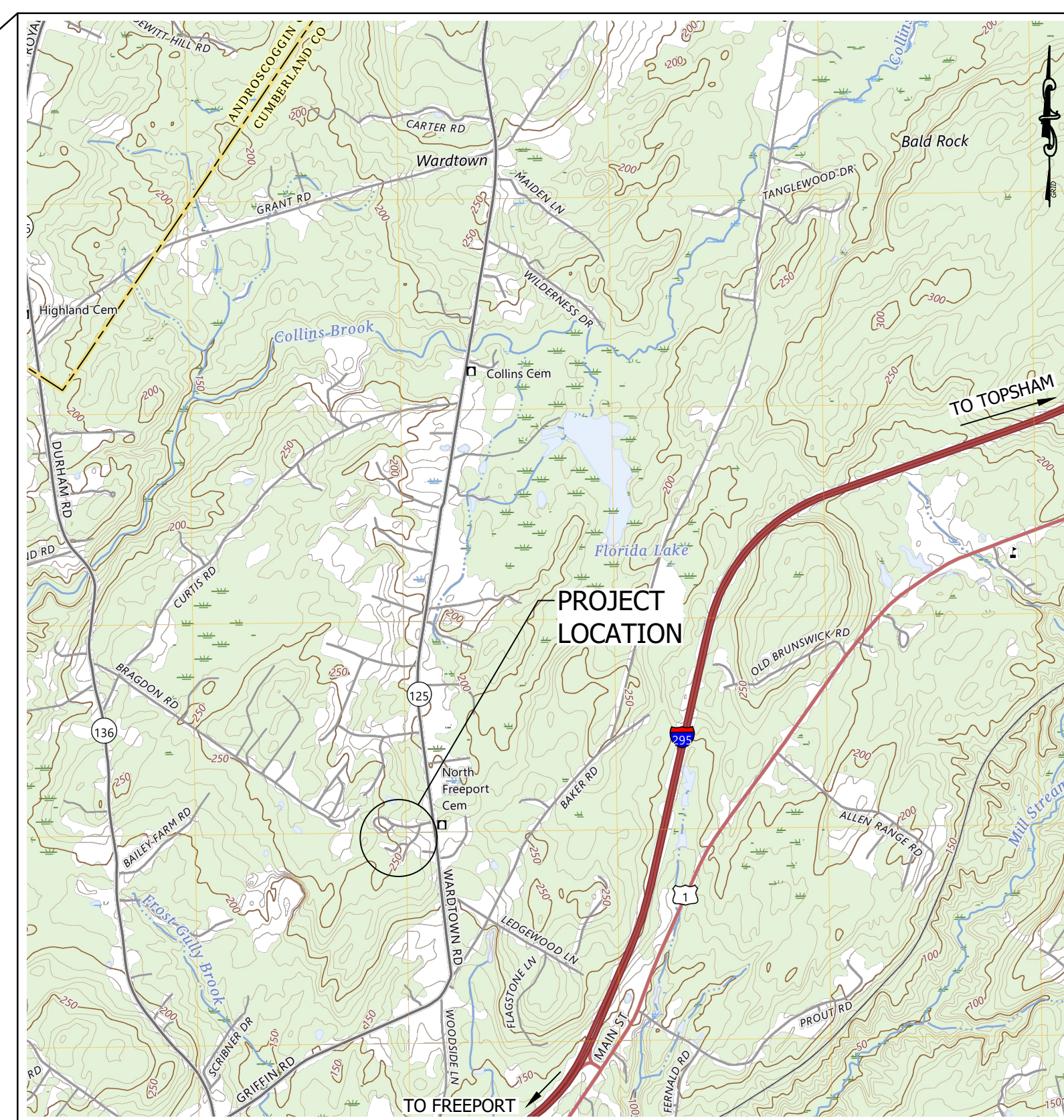
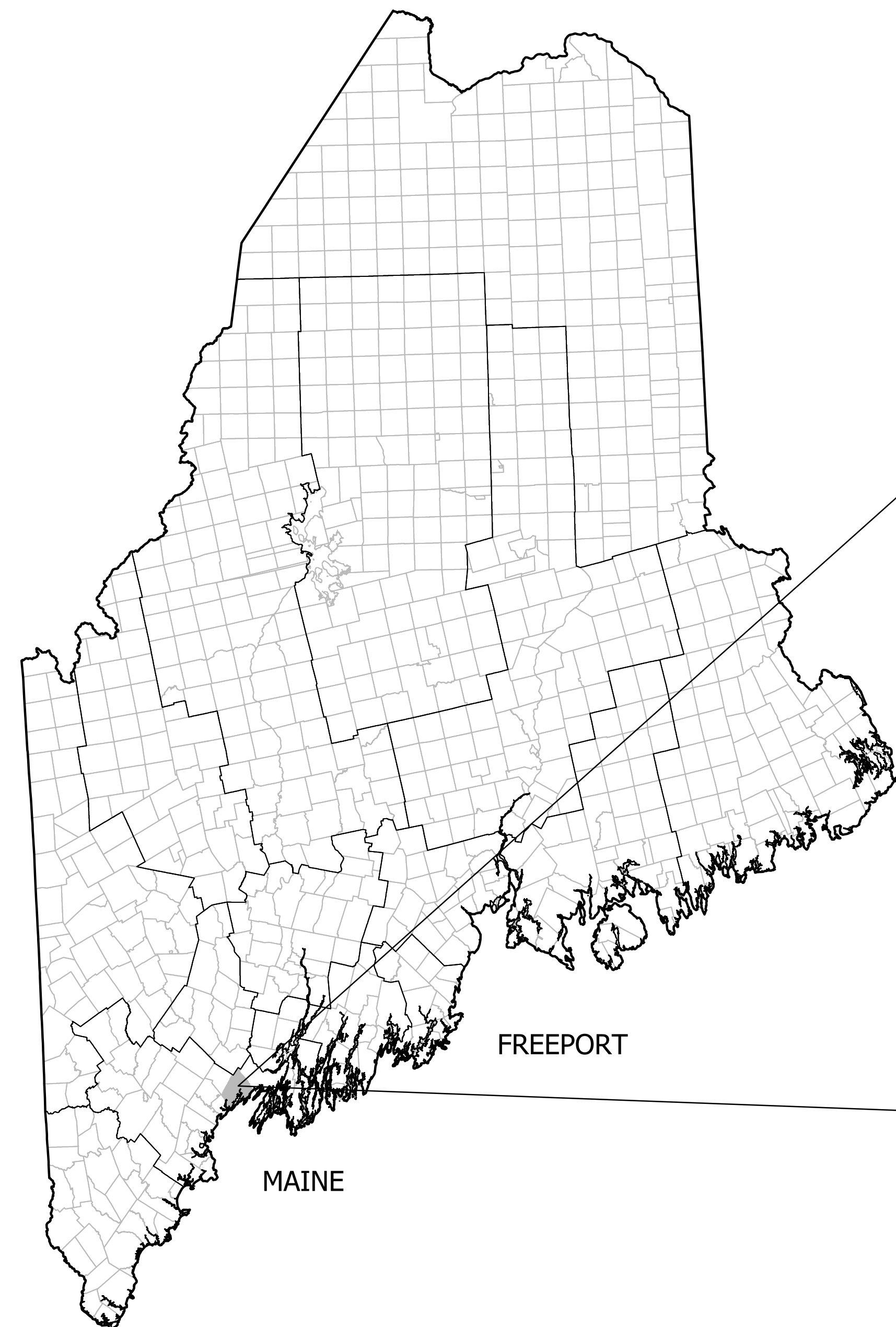
ENGINEER/SURVEYOR:

horizons
Engineering
A Verdantas Company
34 SCHOOL STREET
LITTLETON, NH 03561
(603) 444-4111



SHEET LIST:

- COVER
- C1.0 NOTES AND LEGEND
- C1.1 PROPERTY OVERVIEW
- C1.2 EXISTING CONDITIONS PLAN
- WATER MAIN PLAN & PROFILE SHEETS**
- C2.0 CIRCLE DRIVE STA. 0+00 TO 5+00
- C2.1 CIRCLE DRIVE STA. 5+00 TO 9+00
- C2.2 CIRCLE DRIVE STA. 9+00 TO 14+00
- C2.3 JEAN STREET STA. 0+00 TO 4+00
- C2.4 JEAN STREET STA. 4+00 TO 7+00
- C2.5 KATIE STREET STA. 0+00 TO 5+00
- C2.6 KATIE STREET STA. 5+00 TO 10+00
- C2.7 CIRCLE DRIVE TO KATIE LANE STA. 0+00 TO 2+27
- DETAIL SHEETS**
- C3.0 EROSION CONTROL NOTES
- C3.1 EROSION CONTROL DETAILS
- C3.2 STANDARD WATER SYSTEM NOTES & DETAILS



LOCATION PLAN

SCALE: 1" = 2000'

GENERAL NOTES

1. NO EXISTING MONUMENTS, BOUNDS, OR BENCHMARKS SHALL BE DISTURBED WITHOUT FIRST MAKING PROVISIONS FOR RELOCATION.
2. ALL WORK SHALL BE PERFORMED WITHIN THE PROPERTY OF, AND EASEMENTS SECURED BY, THE OWNER.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DATA COLLECTION AND PREPARATION OF RECORD DRAWINGS.
4. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONTROLLING EROSION IN ALL AREAS DISTURBED BY HIS ACTIONS. COSTS FOR REQUIRED EROSION CONTROL, REGARDLESS OF WHETHER OR NOT SUCH MEASURES ARE SHOWN ON THE ENGINEERING DRAWINGS, SHALL BE BORNE BY HIM.
5. UTILITY LOCATIONS ARE BASED ON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR LOCATION AND PROTECTION OF EXISTING UTILITIES AND SHALL REPAIR ANY DAMAGE AS QUICKLY AS POSSIBLE AT HIS OWN EXPENSE. ALL UTILITIES ENCOUNTERED SHALL BE LOCATED BY DEPTH AND TIES AND SHOWN BY THE CONTRACTOR ON HIS "AS BUILT" DRAWINGS. HAND EXCAVATION SHALL BE DONE WHEREVER UNDERGROUND UTILITIES ARE SHOWN OR ANTICIPATED. THE CONTRACTOR SHALL CONTACT DIG SAFE AND THE APPROPRIATE AUTHORITIES PRIOR TO ANY CONSTRUCTION IN ORDER TO VERIFY EXISTING CONDITIONS AND UTILITY LOCATIONS.
6. BASE MAP INFORMATION INCLUDING TOPOGRAPHY AND PLANIMETRICS ON THESE PLANS IS BASED ON A FIELD SURVEY COMPELLED BY HORIZONS ENGINEERING IN JUNE 2025. PROPERTY LINES ARE BASED ON TAX MAPS.

EXISTING WATER AND SEWER UTILITES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY BASED ON A SITE VISIT AND OWNER DOCUMENTATION OR KNOWLEDGE. SEPTIC DISPOSAL AREAS ARE BASED ON AVAILABLE STATE OF MAINE SEPTIC RECORDS AND ARE APPROXIMATE ONLY.

WETLAND NOTES

1. WETLAND IMPACTS ARE NOT ANTICIPATED ON THIS PROJECT AND NO WETLAND DELINEATION HAS BEEN COMPLETED. SEE ALSO SITE PLAN SPECIFIC NOTE 5.
2. NO DISTURBANCE OF WETLAND VEGETATION SHALL OCCUR BEYOND THE ANTICIPATED CONSTRUCTION LIMITS. CONTACT ENGINEER IMMEDIATELY WHERE WETLAND IMPACTS OCCUR OR ARE ANTICIPATED. Maine DEPARTMENT OF ENVIRONMENTAL PROTECTIONS PERMITTING MAY BE REQUIRED, THE IMPACTED WETLAND MUST BE REESTABLISHED IMMEDIATELY UPON COMPLETION OF THE ACTIVITY AND MUST BE MAINTAINED.
3. THE TRENCH IN AND ADJACENT TO THE WETLAND MUST BE REFILLED WITH THE MATERIAL THAT WAS EXCAVATED. THE ORIGINAL GRADING AND ELEVATION OF THE WETLAND MUST BE RESTORED. RESIDUAL FILL MATERIAL MUST BE REMOVED FROM THE WETLAND OR WATER BODY AND PROPERLY STABILIZED. PIPE BEDDING MATERIAL SUCH AS CRUSHED STONE OR SAND MAY BE USED PROVIDED CLAY DAMS OR SYNTHETIC BOOTS ARE USED WHERE APPROPRIATE TO PREVENT WETLAND DRAINING THROUGH THE BEDDING MATERIAL.
4. ALL WHEELED OR TRACKED EQUIPMENT THAT MUST TRAVEL OR WORK IN A VEGETATED WETLAND MUST TRAVEL AND WORK ON MATS OR PLATFORMS IN ORDER TO PROTECT WETLAND VEGETATION. TEMPORARY ROADS CONSTRUCTED OF FILL ARE NOT ALLOWED IN THE RESOURCE EXCEPT THAT FILL MAY BE USED ON TOP OF MATS OR PLATFORMS FOR EQUIPMENT ACCESS. THE USE OF UNTREATED LUMBER IS PREFERRED. WOOD TREATED WITH CREOSOTE OR PENTACHLOROPHENOL SHALL NOT BE USED WHERE THE WOOD WILL COME IN CONTACT WITH WATER. LUMBER PRESSURE TREATED WITH CHROMATED COPPER ARSENATE (CCA) MAY BE USED ONLY IF NECESSARY AND ONLY IF ALLOWED UNDER FEDERAL LAW.
5. ANY DEBRIS OR EXCAVATED MATERIAL MUST BE STOCKPILED OUTSIDE WETLANDS. EROSION CONTROLS MUST BE USED, WHERE NECESSARY, TO PREVENT SEDIMENTATION.
6. ANY DEBRIS GENERATED DURING THE ACTIVITY MUST BE PREVENTED FROM WASHING DOWNSTREAM AND MUST BE REMOVED FROM THE WETLAND OR WATER BODY. DISPOSAL OF DEBRIS MUST BE IN CONFORMANCE WITH MAINE HAZARDOUS WASTE, SEPTAGE AND SOLID WASTE MANAGEMENT ACT, 38 M.R.S.A. SECTION 1301 ET SEQ.

DESIGN INTENT NOTES

1. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THESE PLANS. OWNER IS RESPONSIBLE FOR OBTAINING ALL PERMITS PRIOR TO CONSTRUCTION.
2. AS REQUIRED, EASEMENTS OR WRITTEN APPROVAL SHALL BE OBTAINED FOR THE PROJECT SCOPE, INCLUDING ANY WORK WHICH MAY OCCUR BEYOND THE SUBJECT PROPERTY LINES.
3. THE OVERALL DESIGN INTENT IS TO INSTALL A NEW WATER MAIN AND ALL SERVICES FOR THE WARDTOWN MOBILE HOME COOPERATIVE WATER SYSTEM AND ABANDON THE EXISTING WATER MAIN AND SERVICES IN PLACE WHERE ENCOUNTERED DURING CONSTRUCTION.
4. NEW WATER MAIN PIPING SHALL BE 3 INCH DIAMETER HIGH-DENSITY POLYETHYLENE (HDPE), DR 13.5 (200 PSI) PIPE.
5. NEW WATER SERVICE PIPING SHALL BE 3/4 INCH DIAMETER HDPE (200 PSI) PIPE OR AN APPROVED EQUIVALENT. Δ
6. WATER SERVICE PIPE INSTALLED UNDER THE APPROXIMATE CENTER, OR EXISTING CONNECTION, OF EACH HOME UNIT SHALL BE 3/4 INCH DIAMETER HDPE (200 PSI) PIPE OR AN APPROVED EQUIVALENT. THE DESIGN INTENT IS TO FOLLOW THE APPROXIMATE EXISTING WATER SERVICE LAYOUT. CONTRACTOR SHALL PROVIDE NEW WATER SERVICES FROM THE NEW WATER MAIN PER THE DESIGN PLANS SHOWN. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY EXISTING WATER SERVICE LOCATIONS BENEATH EACH UNIT.
 WATER SERVICE PIPE INSTALLED UNDER THE HOME UNITS SHALL BE INSULATED AND PROVIDED WITH HEAT TAPE WHICH TERMINATES WITH A PLUG THAT IS BROUGHT THROUGH THE FLOOR OF THE HOME UNIT BY THE CONTRACTOR WITH APPROPRIATE LENGTH TO A POWER SOURCE. OWNER SHALL BE RESPONSIBLE FOR PHYSICALLY PLUGGING ELECTRIC PLUG INTO POWER SOURCE.
7. WARDTOWN MOBILE HOME COOPERATIVE HAS ONE EXISTING WATER SOURCE WELL. THE WATER SOURCE IS LOCATED ON THE GRAVEL ACCESS ROAD BETWEEN KATIE LANE AND JUNIPER LANE. THE WATER SOURCE AT THE PUMP HOUSE HAS ONE EXISTING INTERCONNECTION POINT FOR THE NEW WATER MAIN. THE CONTRACTOR SHALL BEGIN NEW WATER MAIN INSTALLATION AT THE PUMP HOUSE INTERCONNECTION.
8. THE DESIGN INTENT REGARDING ROADWAY AND DRIVEWAY RESTORATION IS TO REMOVE AND DISPOSE TRENCH PAVEMENT AS THE WORK PROGRESSES. UPON COMPLETION OF WATER MAIN AND SERVICES INSTALLATION, THE ROADWAY(S) AND DRIVEWAY(S) WILL BE RESTORED WITH NEW PAVEMENT OR GRAVEL AS NOTED IN THE DETAILS. EXISTING PAVEMENT OR GRAVEL IS TO REMAIN AND NOT BE DISTURBED UNLESS FOUND TO BE NEEDED WITH PRIOR APPROVAL BY THE ENGINEER AND OWNER.
9. DRAINAGE CULVERTS ARE TO REMAIN IN PLACE, UNLESS FOUND TO BE NEEDED TO BE REMOVED IN EXTRAORDINARY CIRCUMSTANCES WITH PRIOR ENGINEER APPROVAL. CONTRACTOR SHALL MAINTAIN OR PROVIDE POSITIVE DRAINAGE TO CULVERTS AS NEEDED DURING WATER MAIN AND SERVICE INSTALLATION.
10. AFTER PAVEMENT REMOVAL, CRUSHED GRAVEL SHALL BE INSTALLED, GRADED, AND COMPACTED TO ESTABLISH A DESIRABLE ROADWAY GRADE AND PROFILE.
11. WATER MAINS SHALL BE LAID 10 FEET HORIZONTALLY FROM EXISTING OR PROPOSED SEWER, MEASURED EDGE TO EDGE (SEE DETAIL).

SITE PLAN SPECIFIC NOTES

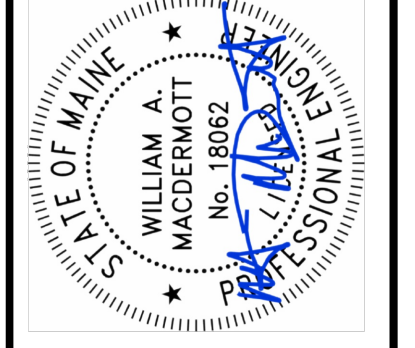
1. ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THESE PLANS AND "TECHNICAL SPECIFICATIONS FOR "WARDTOWN MOBILE HOME COOPERATIVE WATER DISTRIBUTION SYSTEM REPLACEMENT, DATED APRIL 2025."
2. NO EXISTING MONUMENTS, BOUNDS, OR BENCHMARKS SHALL BE DISTURBED WITHOUT FIRST MAKING PROVISIONS FOR RELOCATION.
3. ALL WORK SHALL BE PERFORMED WITHIN THE PROPERTY OF, AND EASEMENTS SECURED BY, THE OWNER.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DATA COLLECTION AND PREPARATION OF RECORD DRAWINGS.
5. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONTROLLING EROSION IN ALL AREAS DISTURBED BY HIS ACTIONS. COSTS FOR REQUIRED EROSION CONTROL, REGARDLESS OF WHETHER OR NOT SUCH MEASURES ARE SHOWN ON THE ENGINEERING DRAWINGS, SHALL BE BORNE BY HIM.
 CONTRACTOR MAY USE SILT FENCE, PERVIOUS MULCH BERM, OR FILTREXX SILT SOXX, OR A COMBINATION OF ONE OR MORE OF THESE PRODUCTS. SEE DETAILS.
DOUBLE EROSION CONTROLS SHALL BE REQUIRED WITHIN 50' OF ANY WETLAND OR WATER BODY.
6. UTILITY LOCATIONS ARE BASED ON THE BEST AVAILABLE INFORMATION - SEE EXISTING CONDITION NOTES. THE CONTRACTOR IS RESPONSIBLE FOR LOCATION AND PROTECTION OF EXISTING UTILITIES AND SHALL REPAIR ANY DAMAGE AS QUICKLY AS POSSIBLE AT HIS OWN EXPENSE. ALL UTILITIES ENCOUNTERED SHALL BE LOCATED BY DEPTH AND TIES AND SHOWN BY THE CONTRACTOR ON HIS "AS BUILT" DRAWINGS. HAND EXCAVATION SHALL BE DONE WHEREVER UNDERGROUND UTILITIES ARE SHOWN OR ANTICIPATED. THE CONTRACTOR SHALL CONTACT DIG SAFE AND THE APPROPRIATE AUTHORITIES PRIOR TO ANY CONSTRUCTION IN ORDER TO VERIFY EXISTING CONDITIONS AND UTILITY LOCATIONS.
7. **ALL MATERIALS, PRODUCTS, AND COATINGS THAT COME INTO CONTACT WITH DRINKING WATER SHALL BE NSF/ANSI STANDARD 61 COMPLIANT.**

LEGEND

	AIR CONDITIONING		UTILITY POLE		APPROXIMATE PROPERTY LINE
	UTILITY METER		HYDRANT		EASEMENT LINE BOUNDARY
	ELECTRIC CABINET		WELL		BUILDING SETBACK
	TELEPHONE CABINET		MONITORING WELL		EXISTING CONTOUR - MAJOR INTERVAL
	CONIFEROUS TREE		DRAINAGE MANHOLE		EXISTING CONTOUR - MINOR INTERVAL
	STUMP		BOLLARD		PROPOSED CONTOUR - MAJOR INTERVAL
	DECIDUOUS TREE		BORING		PROPOSED CONTOUR - MINOR INTERVAL
	GATE VALVE		MAIL BOX		TREELINE
	WSO/KEY VALVE (ASBUILT PLANS)		SIGN		OVERHEAD ELECTRIC
	SEWER MANHOLE		IRON PIPE FOUND		UNDERGROUND WATERLINE
	CATCH BASIN		IRON ROD FOUND		EXISTING DRAIN
	LIGHT POLE		REBAR FOUND		EXISTING SEWER LINE
	METER PIT		GRANITE/STONE BOUND FOUND		
	TELEPHONE MANHOLE		STONE PILE FOUND		
			REBAR TO BE SET/CALCULATED CORNER		PAVEMENT
			5/8-INCH IRON ROD SET WITH PLASTIC IDENTIFYING CAP		

NO.	DATE	REVISION DESCRIPTION	ENG	DWG
1	APRIL 2026	ADDENDUM 1 REVISIONS	WAM	LJM

PROJECT #:	250184	DATE:	FEBRUARY 2026
MAP-LOT	HEI	SURVEYED BY:	CEW/WAM
ENGINEERED BY:	CEW/WAM	DRAWN BY:	CEW/WAM
CHECKED BY:	MLB		



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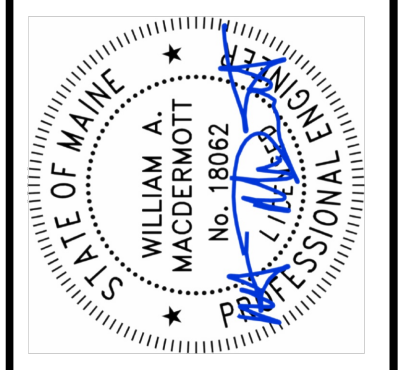
WARDTOWN MOBILE HOME COOPERATIVE
 EAST WATER REPLACEMENT PROJECT
 JEAN ST | CIRCLE DR | KATIE LN | WILL ST
 FREETOWN, MAINE
 NOTES AND LEGEND

BID PLANSET - ADDENDUM 1
 NOT FOR CONSTRUCTION

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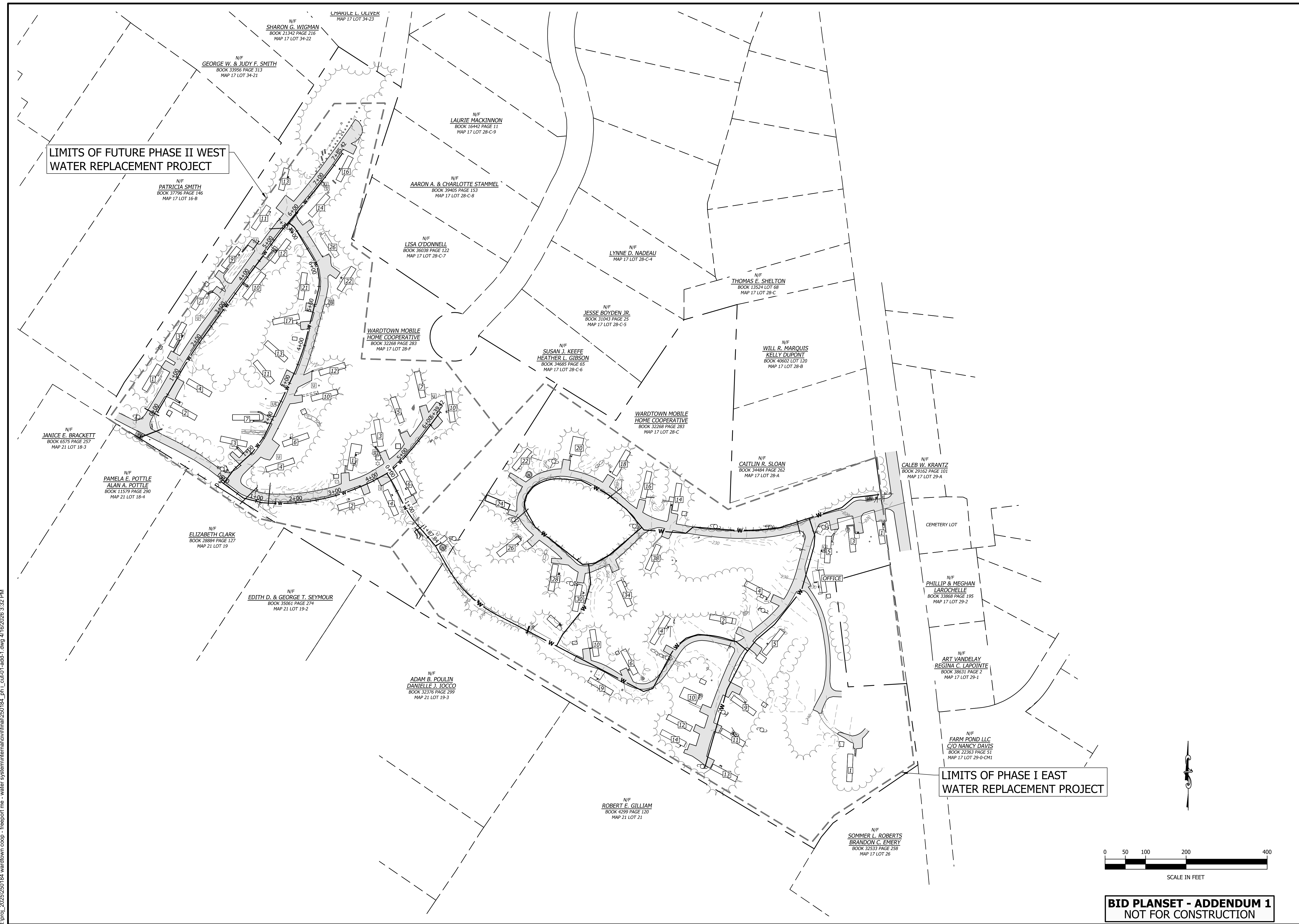
NO.	DATE	REVISION DESCRIPTION	ENG	DWG
1	APRIL 2026	ADDENDUM 1 REVISIONS	WAM	LJM

PROJECT #:	250184
DATE:	FEBRUARY 2026
MAP-LOT	HEI
SURVEYED BY:	CEW/WAM
ENGINEERED BY:	CEW/WAM
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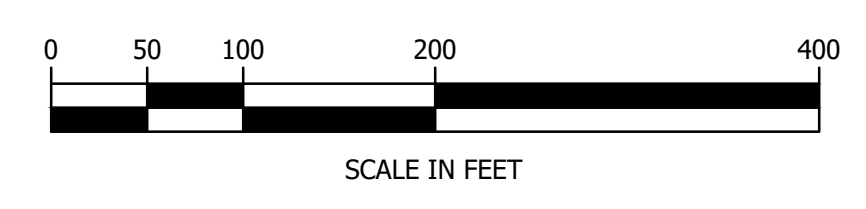
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WARDTOWN MOBILE HOME COOPERATIVE
 EAST WATER REPLACEMENT PROJECT
 JEAN ST | CIRCLE DR | KATIE LN | WILL ST
 FREETPORT, MAINE
 PROPERTY OVERVIEW



**LIMITS OF FUTURE PHASE II WEST
 WATER REPLACEMENT PROJECT**

**LIMITS OF PHASE I EAST
 WATER REPLACEMENT PROJECT**



BID PLANSET - ADDENDUM 1
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NO.	DATE	REVISION DESCRIPTION	ENG	DWG
1	APRIL 2026	ADDENDUM 1 REVISIONS	WAM	LJM

PROJECT #:	250184	DATE:	FEBRUARY 2026
MAP-LOT		SURVEYED BY:	HEI
ENGINEERED BY:	CEW/WAM	DRAWN BY:	CEW/WAM
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WARDTOWN MOBILE HOME COOPERATIVE
 EAST WATER REPLACEMENT PROJECT
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 FREETPORT, MAINE
 EXISTING CONDITIONS PLAN
SHEET C1.2

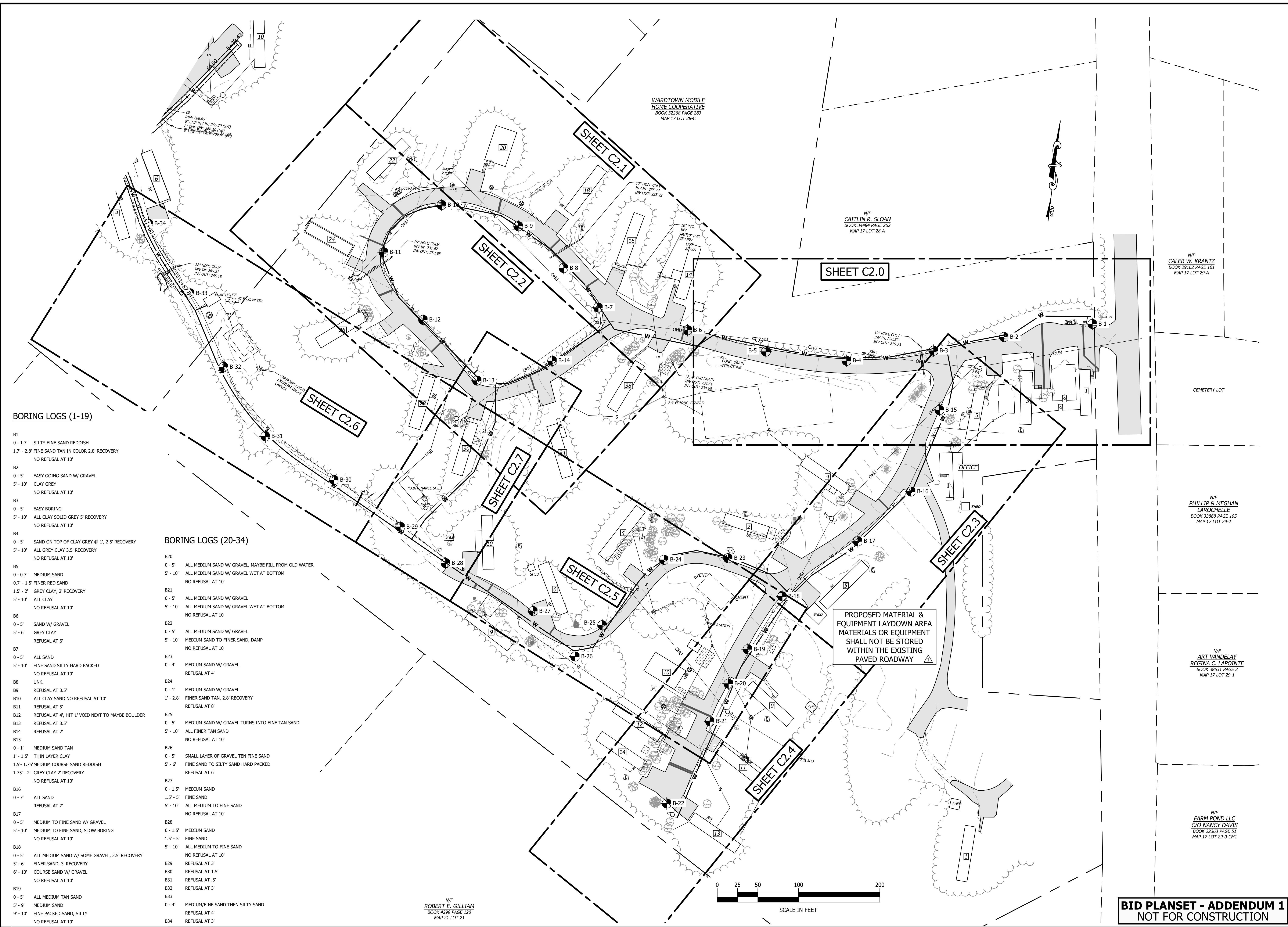
BORING LOGS (1-19)

- B1
 0 - 1.7' SILTY FINE SAND REDDISH
 1.7' - 2.8' FINE SAND TAN IN COLOR 2.8' RECOVERY
 NO REFUSAL AT 10'
- B2
 0 - 5' EASY GOING SAND W/ GRAVEL
 5' - 10' CLAY GREY
 NO REFUSAL AT 10'
- B3
 0 - 5' EASY BORING
 5' - 10' ALL CLAY SOLID GREY 5' RECOVERY
 NO REFUSAL AT 10'
- B4
 0 - 5' SAND ON TOP OF CLAY GREY @ 1', 2.5' RECOVERY
 5' - 10' ALL GREY CLAY 3.5' RECOVERY
 NO REFUSAL AT 10'
- B5
 0 - 0.7' MEDIUM SAND
 0.7' - 1.5' FINER RED SAND
 1.5' - 2' ALL CLAY, 2' RECOVERY
 5' - 10' ALL CLAY
 NO REFUSAL AT 10'
- B6
 0 - 5' SAND W/ GRAVEL
 5' - 6' GREY CLAY
 REFUSAL AT 6'
- B7
 0 - 5' ALL SAND
 5' - 10' FINE SAND SILTY HARD PACKED
 NO REFUSAL AT 10'
- B8
 UNK.
 REFUSAL AT 3.5'
- B9
 ALL CLAY SAND NO REFUSAL AT 10'
- B10
 REFUSAL AT 5'
- B11
 REFUSAL AT 4', HIT 1" VOID NEXT TO MAYBE BOULDER
- B12
 REFUSAL AT 3.5'
- B13
 REFUSAL AT 2'
- B14
 REFUSAL AT 2'
- B15
 0 - 1' MEDIUM SAND TAN
 1' - 1.5' THIN LAYER CLAY
 1.5' - 1.75' MEDIUM COURSE SAND REDDISH
 1.75' - 2' GREY CLAY 2' RECOVERY
 NO REFUSAL AT 10'
- B16
 0 - 7' ALL SAND
 REFUSAL AT 7'
- B17
 0 - 5' MEDIUM TO FINE SAND W/ GRAVEL
 5' - 10' MEDIUM TO FINE SAND, SLOW BORING
 NO REFUSAL AT 10'
- B18
 0 - 5' ALL MEDIUM SAND W/ SOME GRAVEL, 2.5' RECOVERY
 5' - 6' FINER SAND, 3' RECOVERY
 6' - 10' COURSE SAND W/ GRAVEL
 NO REFUSAL AT 10'
- B19
 0 - 5' ALL MEDIUM TAN SAND
 5' - 9' MEDIUM SAND
 9' - 10' FINE PACKED SAND, SILTY
 NO REFUSAL AT 10'

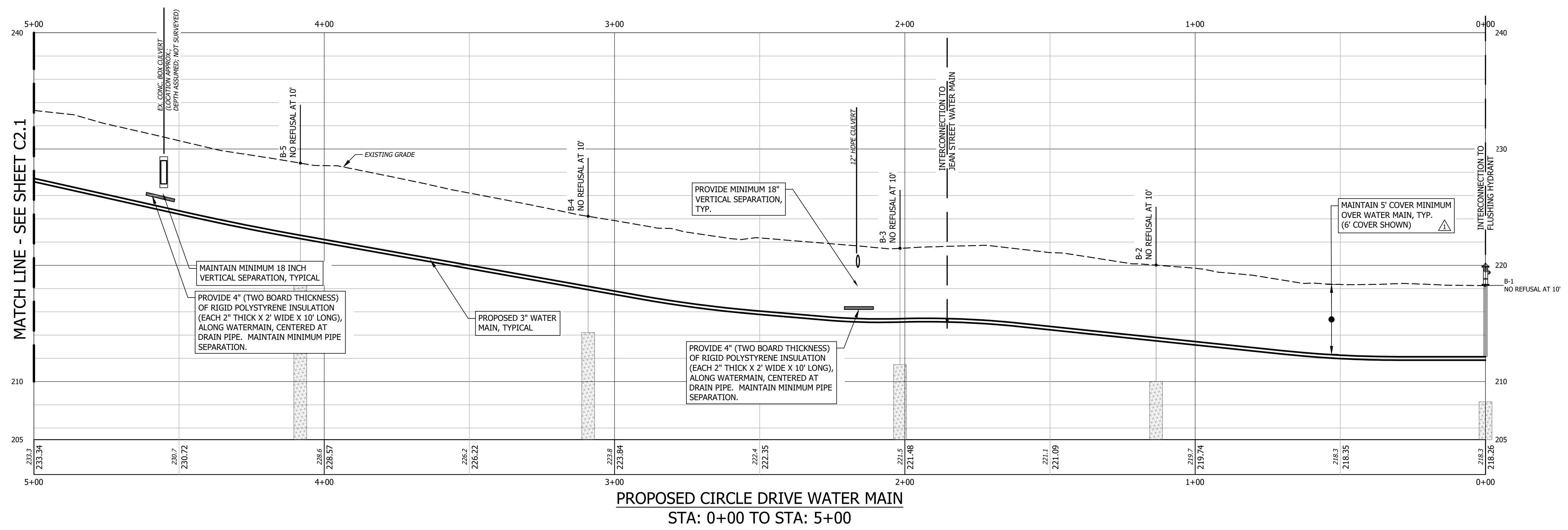
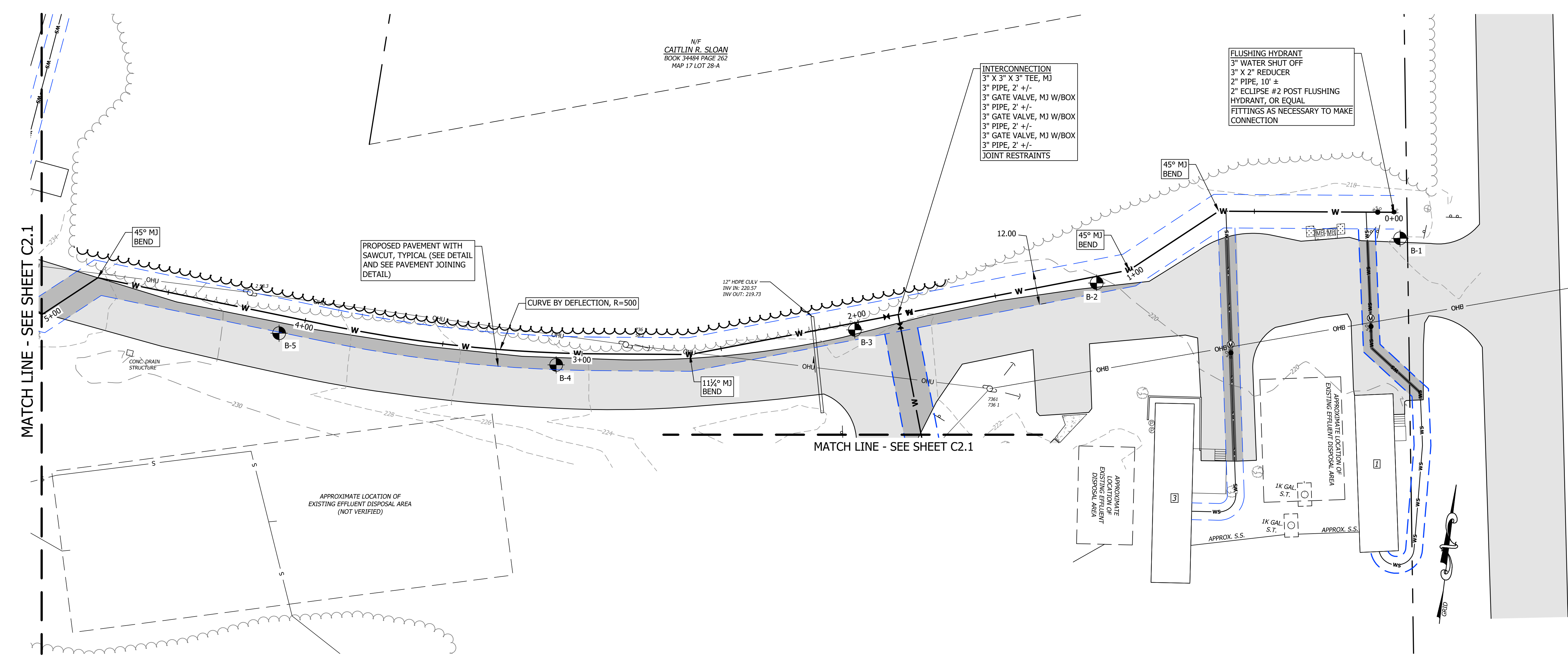
BORING LOGS (20-34)

- B20
 0 - 5' ALL MEDIUM SAND W/ GRAVEL, MAYBE FILL FROM OLD WATER
 5' - 10' ALL MEDIUM SAND W/ GRAVEL WET AT BOTTOM
 NO REFUSAL AT 10'
- B21
 0 - 5' ALL MEDIUM SAND W/ GRAVEL
 5' - 10' ALL MEDIUM SAND W/ GRAVEL WET AT BOTTOM
 NO REFUSAL AT 10'
- B22
 0 - 5' ALL MEDIUM SAND W/ GRAVEL
 5' - 10' MEDIUM SAND TO FINER SAND, DAMP
 NO REFUSAL AT 10'
- B23
 0 - 4' MEDIUM SAND W/ GRAVEL
 REFUSAL AT 4'
- B24
 0 - 1' MEDIUM SAND W/ GRAVEL
 1' - 2.8' FINE SAND TAN, 2.8' RECOVERY
 REFUSAL AT 8'
- B25
 0 - 5' MEDIUM SAND W/ GRAVEL TURNS INTO FINE TAN SAND
 5' - 10' ALL FINER TAN SAND
 NO REFUSAL AT 10'
- B26
 0 - 5' SMALL LAYER OF GRAVEL TEN FINE SAND
 5' - 6' FINE SAND TO SILTY SAND HARD PACKED
 REFUSAL AT 6'
- B27
 0 - 1.5' MEDIUM SAND
 1.5' - 5' FINE SAND
 5' - 10' ALL MEDIUM TO FINE SAND
 NO REFUSAL AT 10'
- B28
 0 - 1.5' MEDIUM SAND
 1.5' - 5' FINE SAND
 5' - 10' ALL MEDIUM TO FINE SAND
 NO REFUSAL AT 10'
- B29
 REFUSAL AT 3'
- B30
 REFUSAL AT 1.5'
- B31
 REFUSAL AT .5'
- B32
 REFUSAL AT 3'
- B33
 REFUSAL AT 3'
- B34
 0 - 4' MEDIUM/FINE SAND THEN SILTY SAND
 REFUSAL AT 4'
- B24
 REFUSAL AT 3'

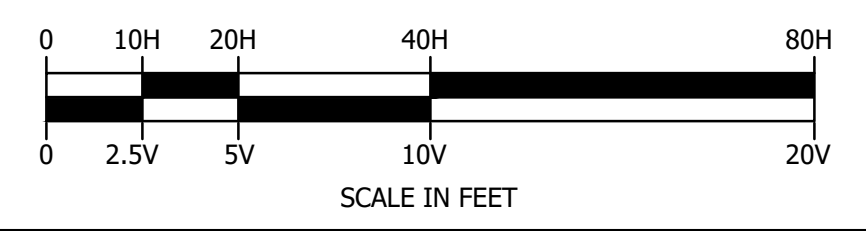
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BID PLANSET - ADDENDUM 1
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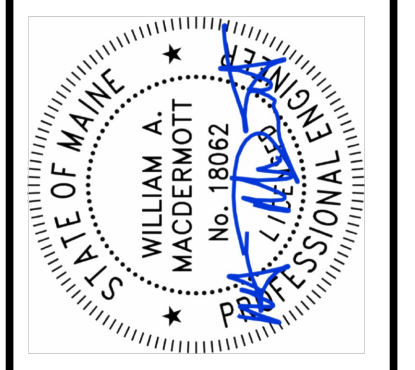
PROPOSED CIRCLE DRIVE WATER MAIN
 STA: 0+00 TO STA: 5+00



BID PLANSET - ADDENDUM 1
 NOT FOR CONSTRUCTION

NO.	DATE	REVISION DESCRIPTION
1	APRIL 2026	ADDENDUM 1 REVISIONS

PROJECT #:	250184
DATE:	FEBRUARY 2026
MAP-LOT	
SURVEYED BY:	HEI
ENGINEERED BY:	CEW/WAM
DRAWN BY:	CEW/WAM
CHECKED BY:	MLB



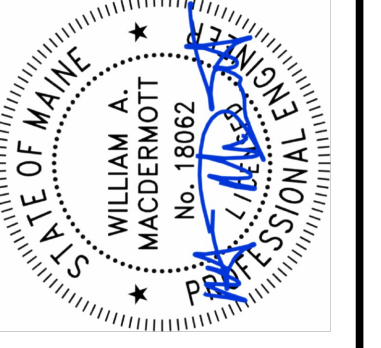
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 FREETOWN, MAINE
 CIRCLE DRIVE STA. 0+00 - 5+00

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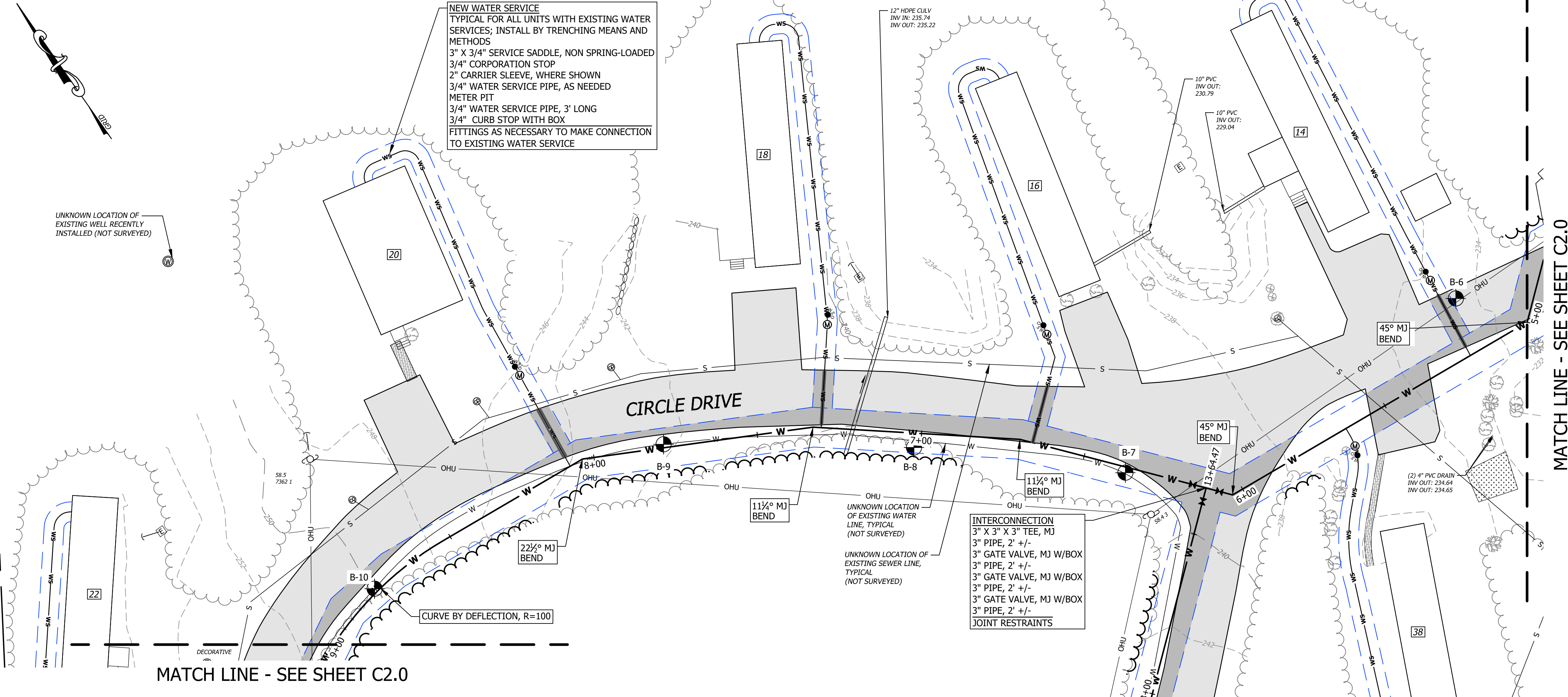
NO.	DATE	REVISION DESCRIPTION	ENG	DWG
1	APRIL 2026	ADDENDUM 1 REVISIONS	WAM	LIN

PROJECT #:	250184
DATE:	FEBRUARY 2026
MAP/LOT:	
SURVEYED BY:	HEI
ENGINEERED BY:	CEW/WAM
DRAWN BY:	CEW/WAM
CHECKED BY:	MLB



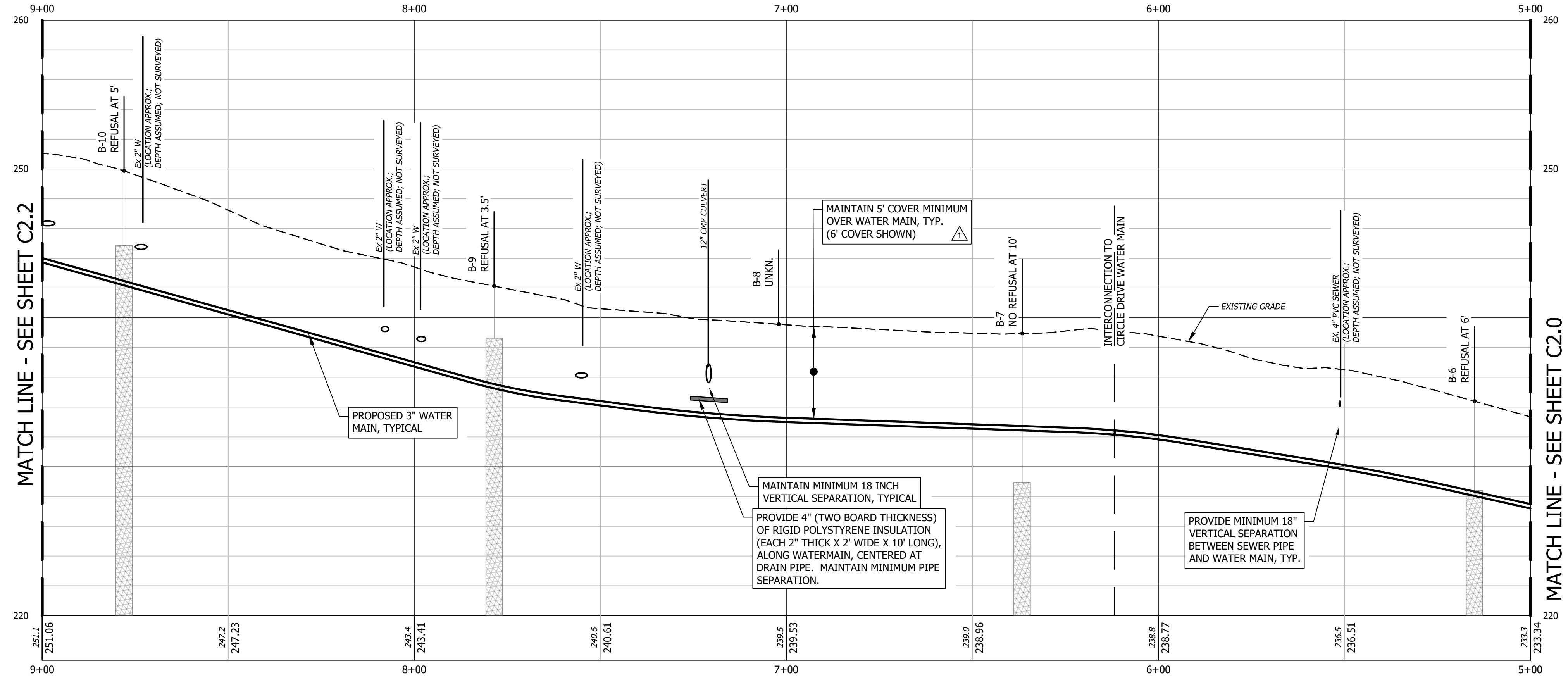
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 JEAN ST | CIRCLE DR | KATIE LN | WILL ST
 FREEPORT, MAINE
 CIRCLE DRIVE STA. 5+00 - 9+00



MATCH LINE - SEE SHEET C2.0

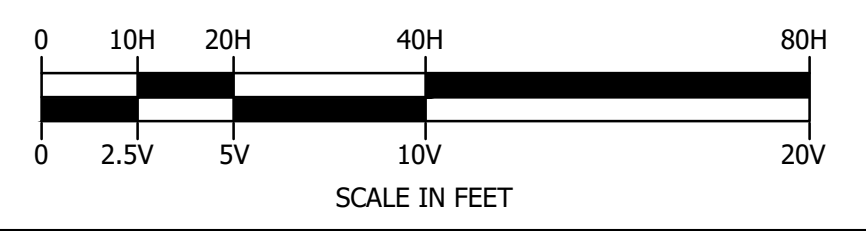
MATCH LINE - SEE SHEET C2.0



MATCH LINE - SEE SHEET C2.2

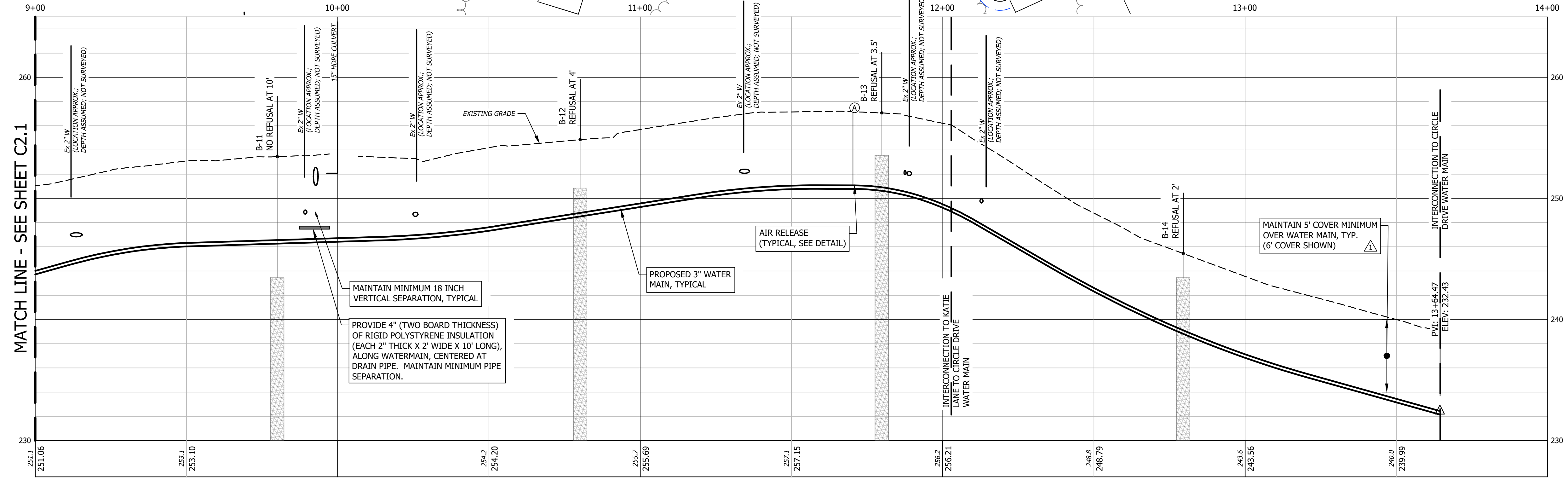
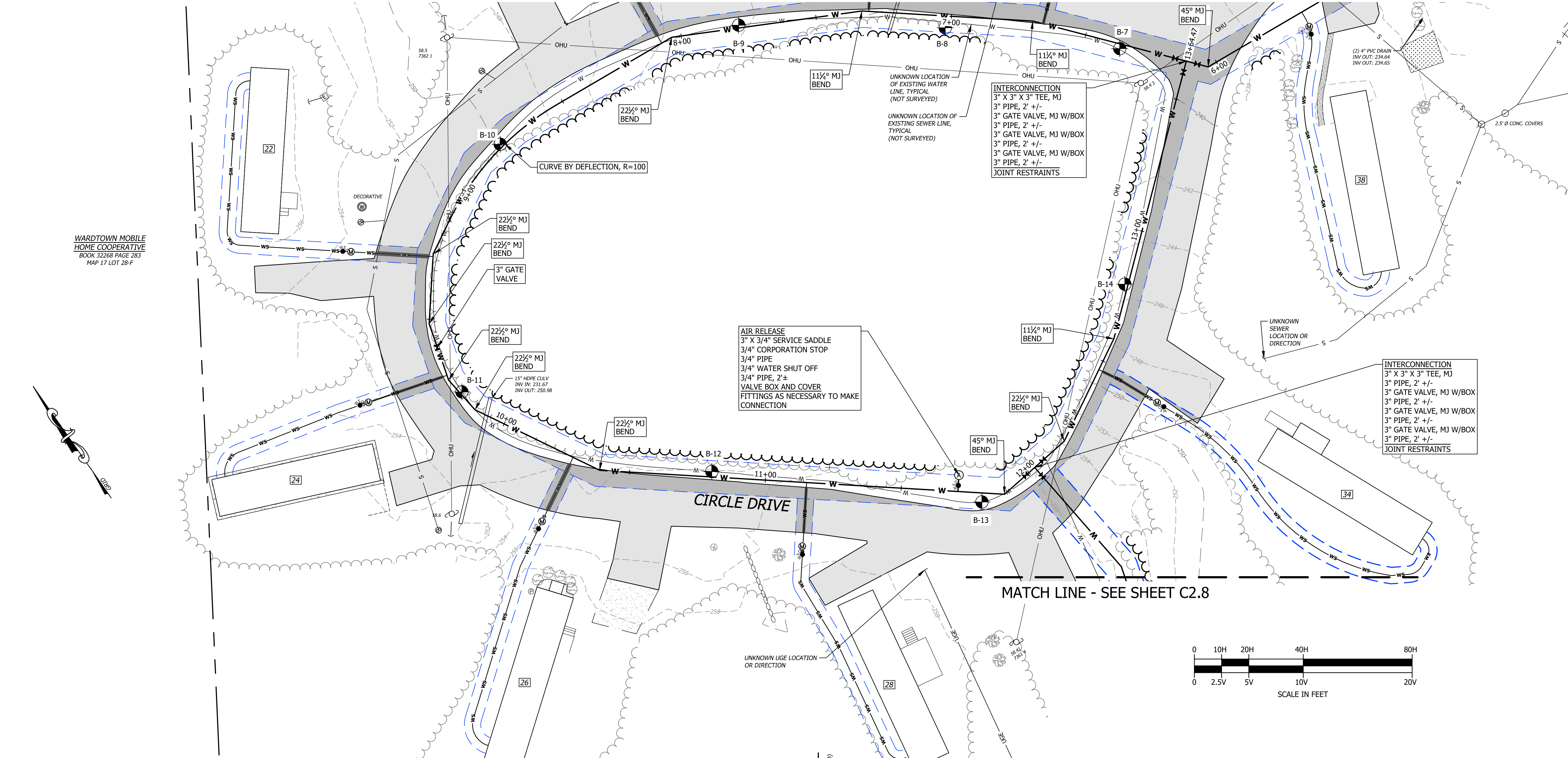
MATCH LINE - SEE SHEET C2.0

PROPOSED CIRCLE DRIVE WATER MAIN
 STA: 5+00 TO STA: 9+00



BID PLANSET - ADDENDUM 1
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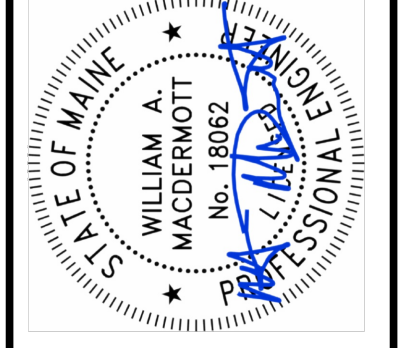


PROPOSED CIRCLE DRIVE WATER MAIN
 STA: 9+00 to STA: 14+00

BID PLANSET - ADDENDUM 1
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NO.	DATE	REVISION DESCRIPTION
1	APRIL 2026	APPENDUM 1 REVISIONS

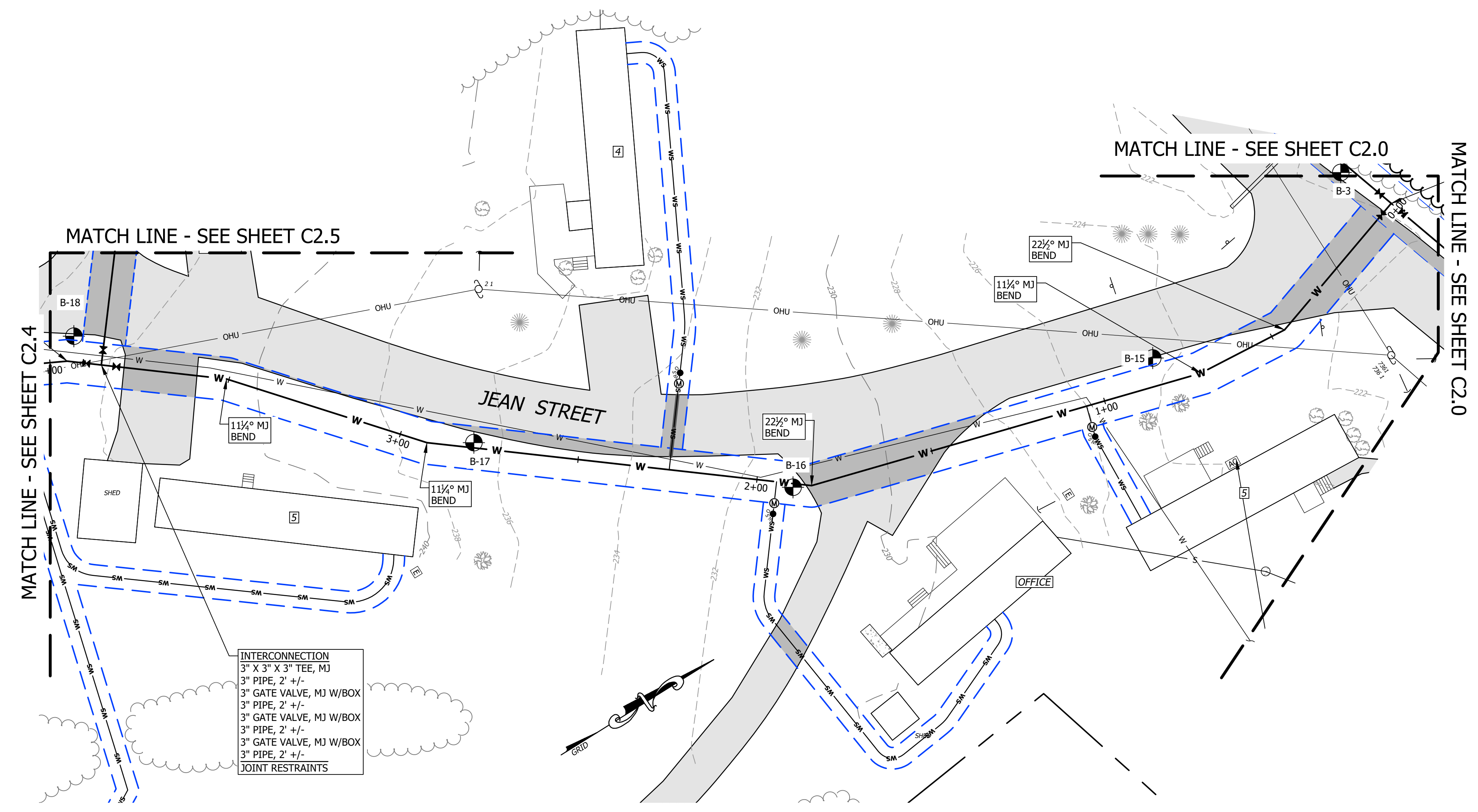
PROJECT #:	250184
DATE:	FEBRUARY 2026
MAP-LOT	
SURVEYED BY:	HEI
ENGINEERED BY:	CEW/WAM
DRAWN BY:	CEW/WAM
CHECKED BY:	MLB



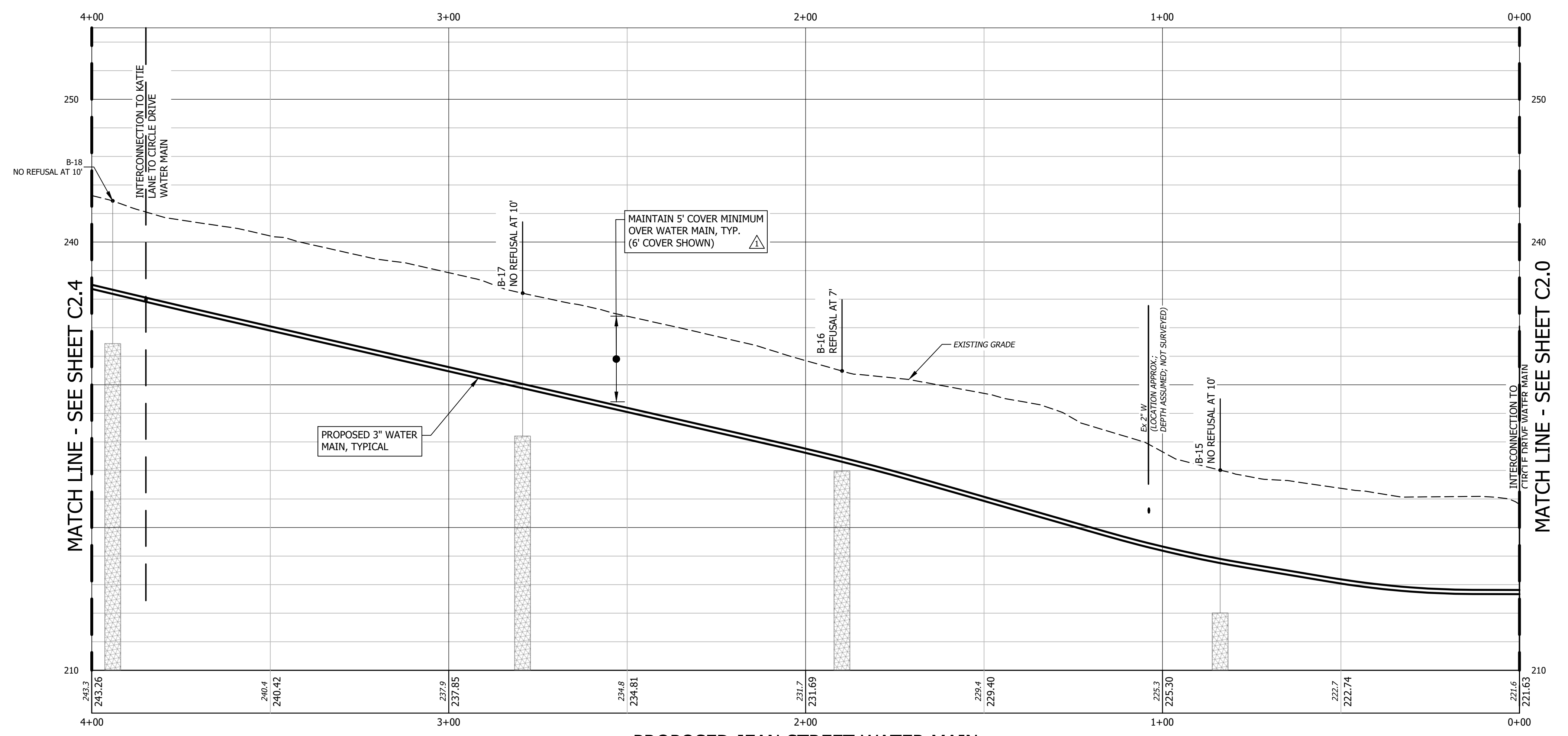
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 JEAN ST | CIRCLE DR | KATIE LN | WILL ST
 FREETPORT, MAINE
 CIRCLE DRIVE STA. 9+00 - 14+00

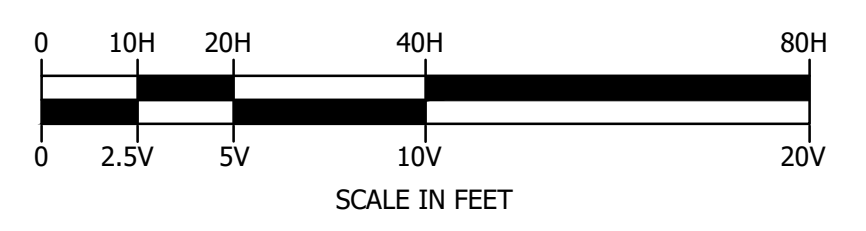
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INTERCONNECTION
 3" X 3" X 3" TEE, MJ
 3" PIPE, 2' +/-
 3" GATE VALVE, MJ W/BOX
 3" PIPE, 2' +/-
 3" GATE VALVE, MJ W/BOX
 3" PIPE, 2' +/-
 3" GATE VALVE, MJ W/BOX
 3" PIPE, 2' +/-
 JOINT RESTRAINTS

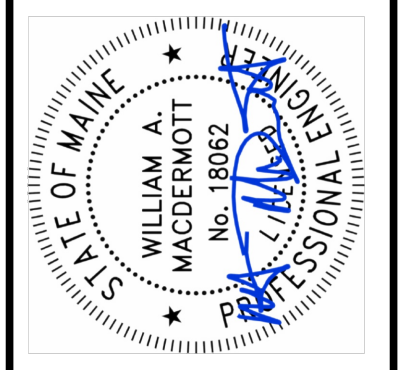


PROPOSED JEAN STREET WATER MAIN
 STA: 0+00 TO STA: 4+00



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NO.	DATE	REVISION DESCRIPTION	ENG	DWG
1	APRIL 2026	ADDENDUM 1 REVISIONS	WAM	LJM

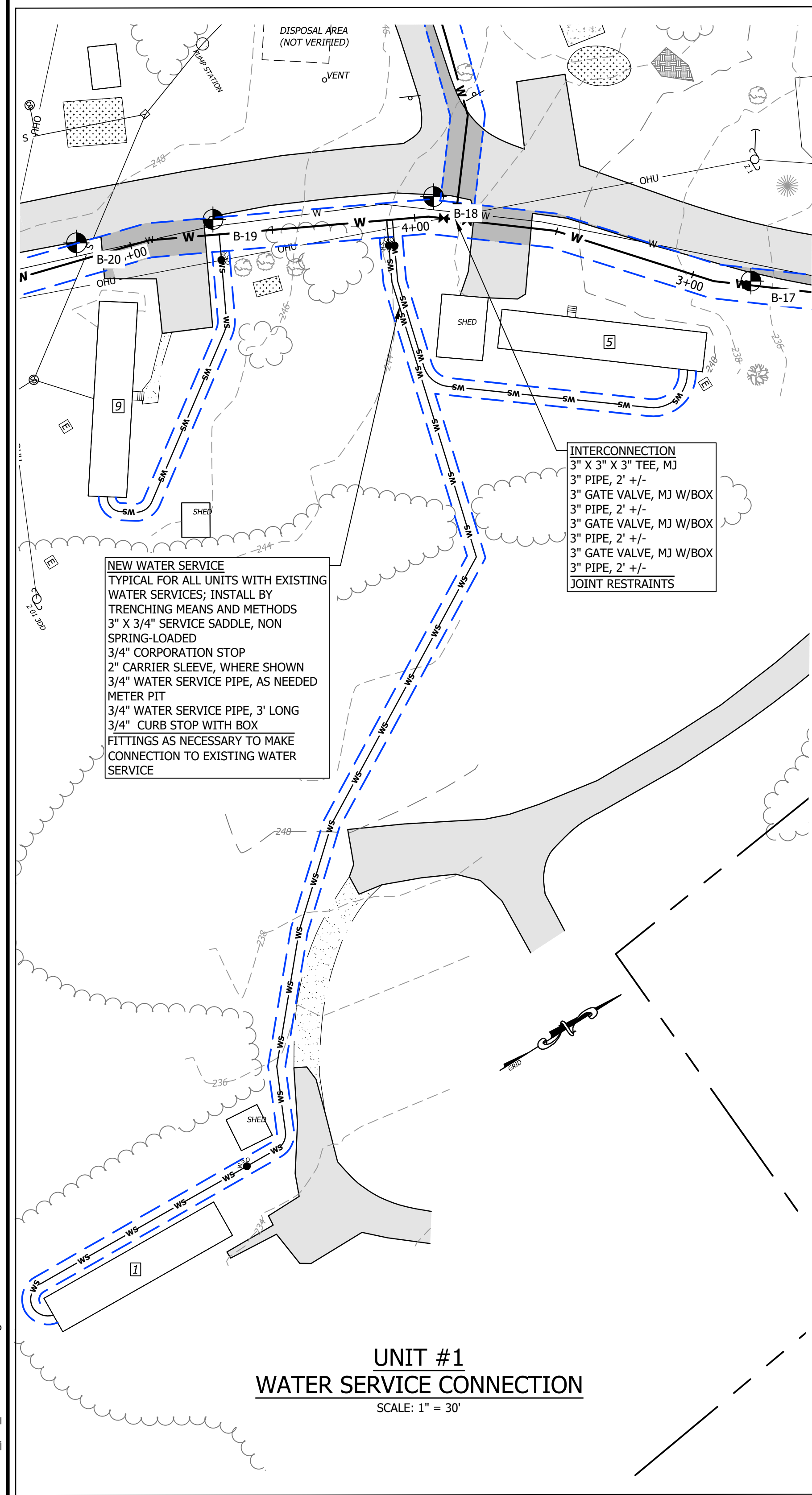


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 FREEPORT, MAINE
 JEAN STREET STA. 0+00 - 4+00

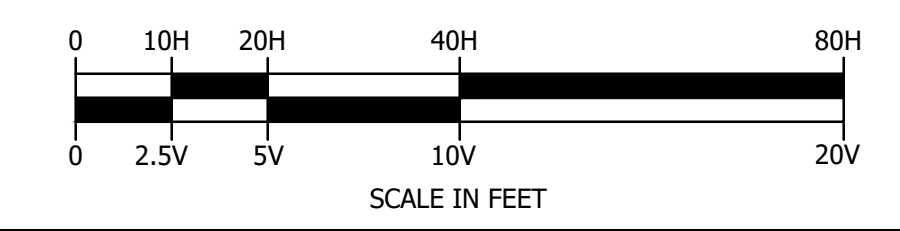
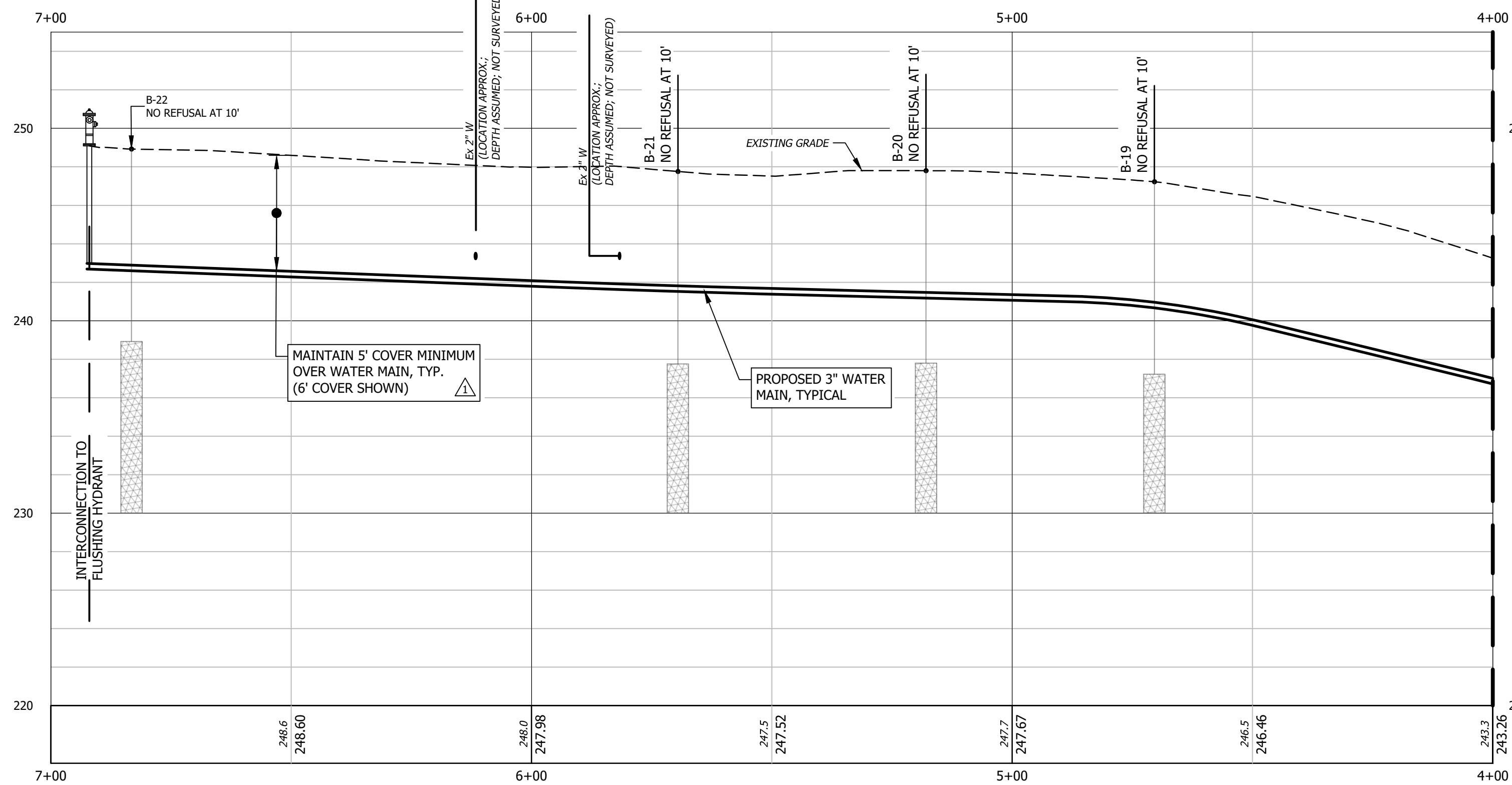
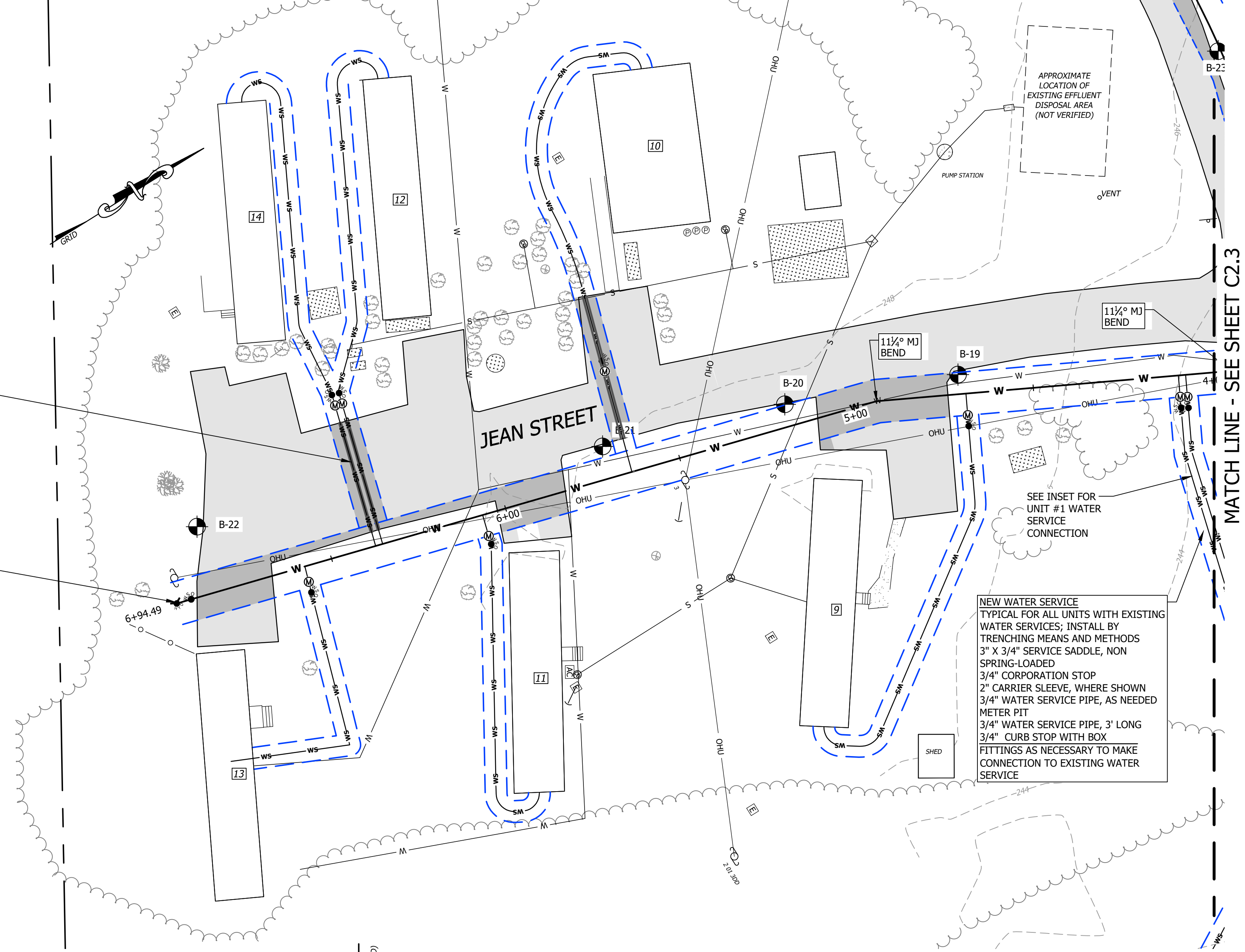
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NEW WATER SERVICE
TYPICAL FOR ALL UNITS WITH EXISTING WATER SERVICES; INSTALL BY TRENCHING MEANS AND METHODS
3" X 3/4" SERVICE SADDLE, NON SPRING-LOADED
3/4" CORPORATION STOP
2" CARRIER SLEEVE, WHERE SHOWN
3/4" WATER SERVICE PIPE, AS NEEDED
3/4" CURB STOP WITH BOX
FITTINGS AS NECESSARY TO MAKE CONNECTION TO EXISTING WATER SERVICE

FLUSHING HYDRANT
3" WATER SHUT OFF
3" X 2" REDUCER
2" PIPE, 10' ±
2" ECLIPSE #2 POST FLUSHING HYDRANT, OR EQUAL
FITTINGS AS NECESSARY TO MAKE CONNECTION



BID PLANSET - ADDENDUM 1
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DATE OF PRINT
APRIL 16 2026
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NO.	DATE	REVISION DESCRIPTION	ENG	DWG
1	APRIL 2026	ADDENDUM 1 REVISIONS	WAM	LIN

PROJECT #: 250184
DATE: FEBRUARY 2026
MAP-LOT: 1
SURVEYED BY: HEI
ENGINEERED BY: CEW/WAM
DRAWN BY: CEW/WAM
CHECKED BY: MLB

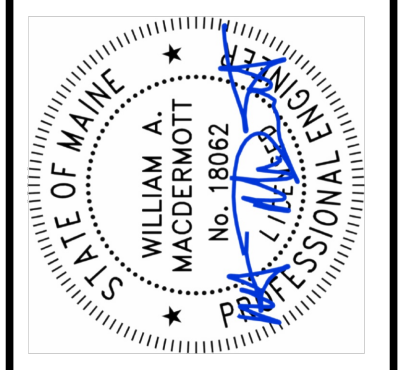
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EAST WATER REPLACEMENT PROJECT
JEAN ST | CIRCLE DR | KATIE LN | WILL ST
FREEPORT, MAINE
JEAN STREET STA. 4+00 - 7+00

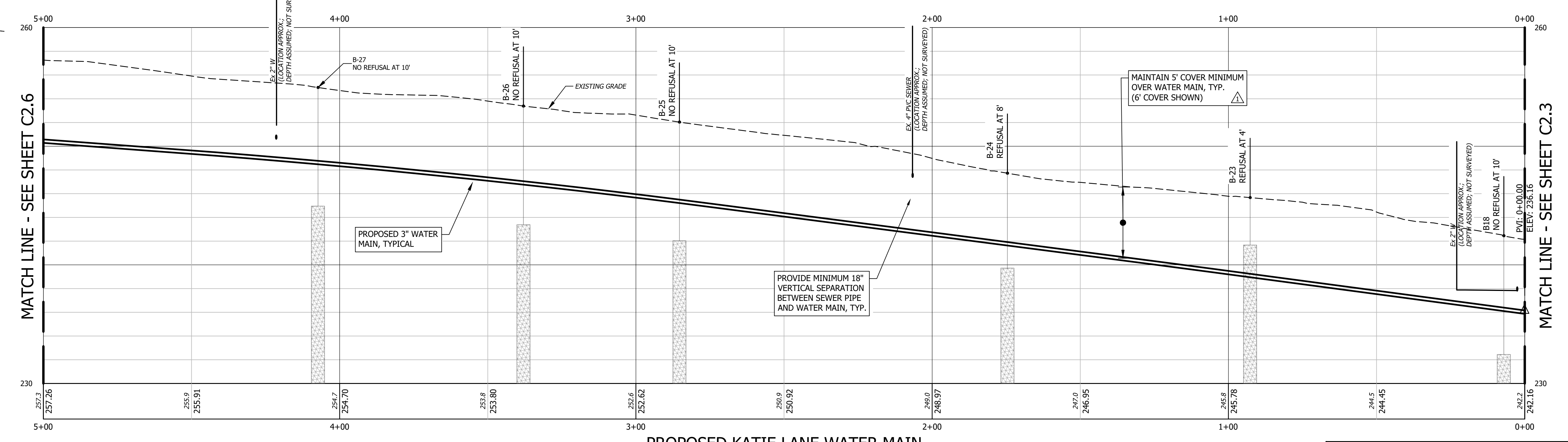
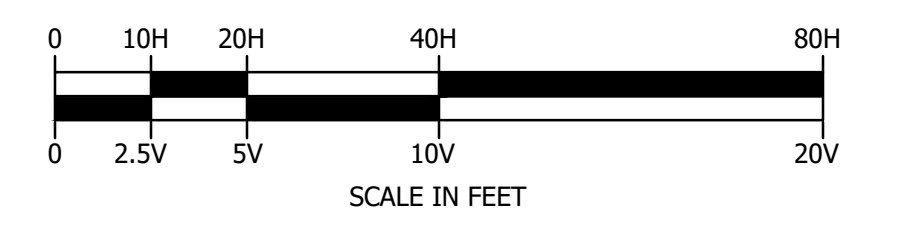
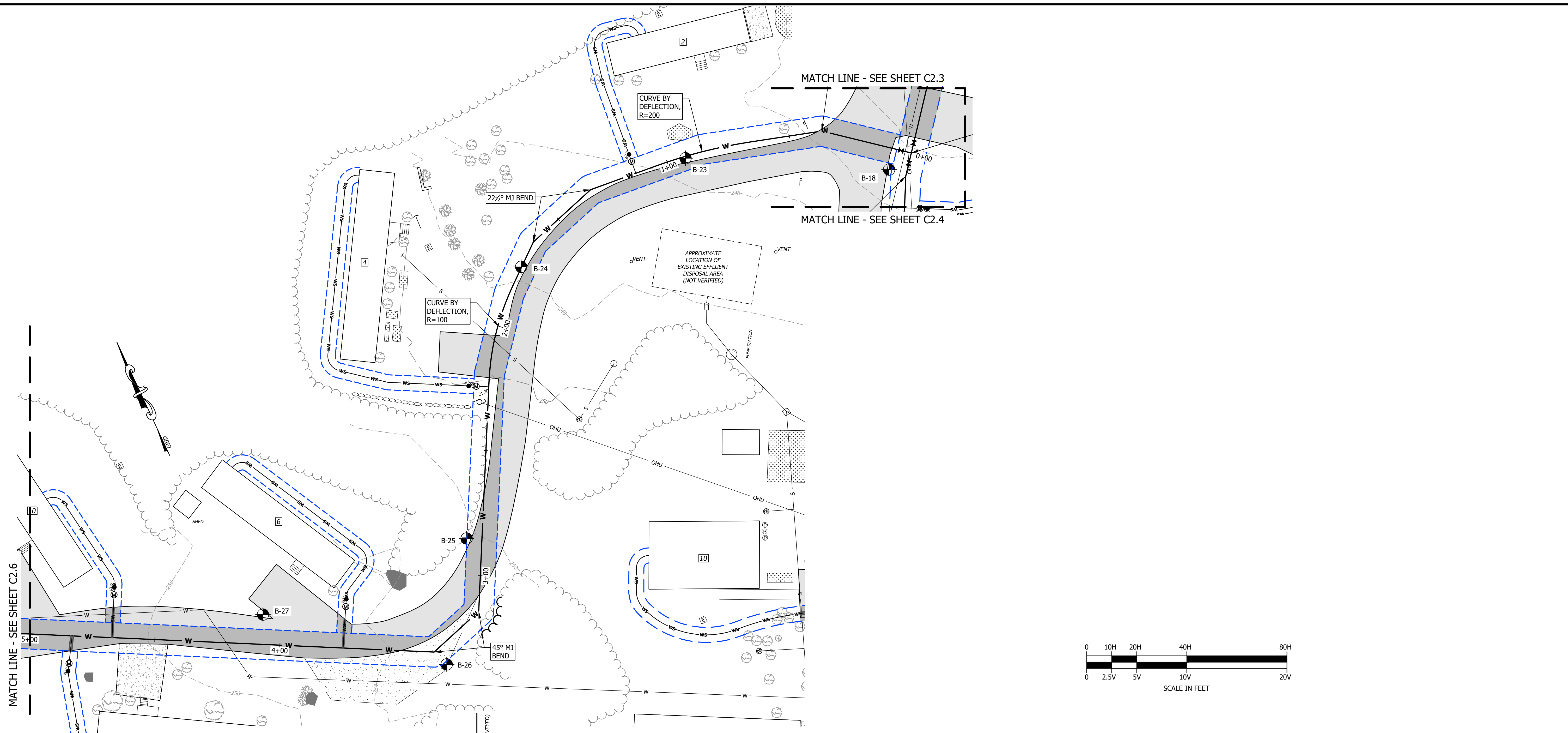
SHEET C2.4

NO.	DATE	REVISION DESCRIPTION	ENG	DWG
1	APRIL 2026	ADDENDUM 1 REVISIONS	WAM	LJM

PROJECT #:	250184
DATE:	FEBRUARY 2026
MAP-LOT:	
SURVEYED BY:	HEI
ENGINEERED BY:	CEW/WAM
DRAWN BY:	CEW/WAM
CHECKED BY:	MLB



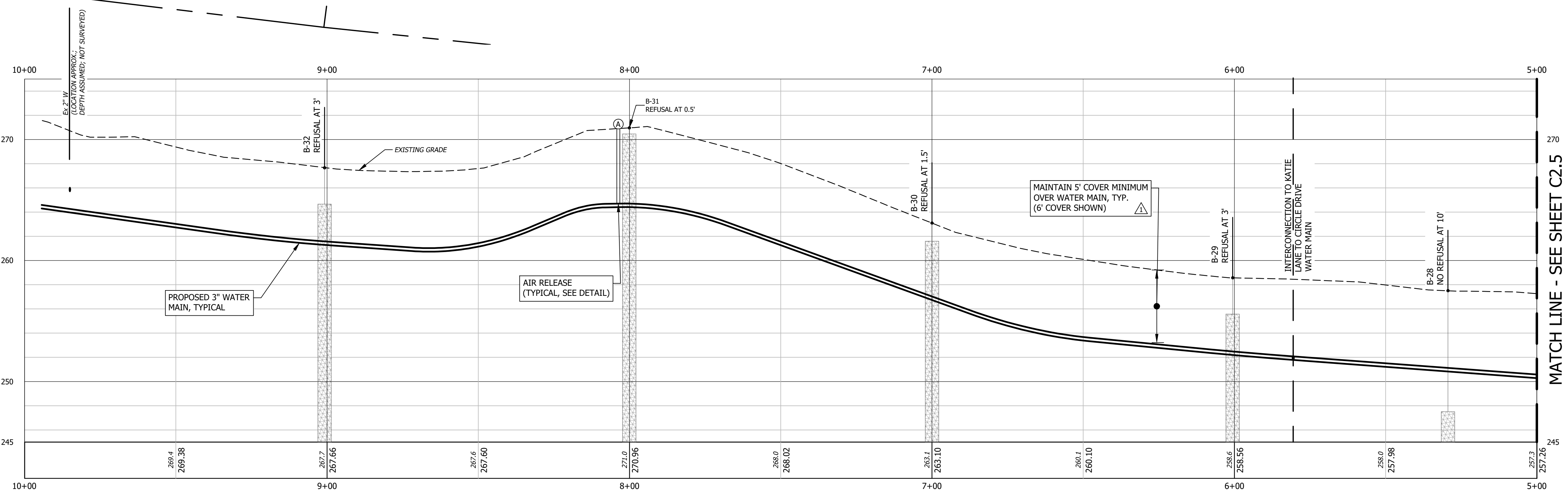
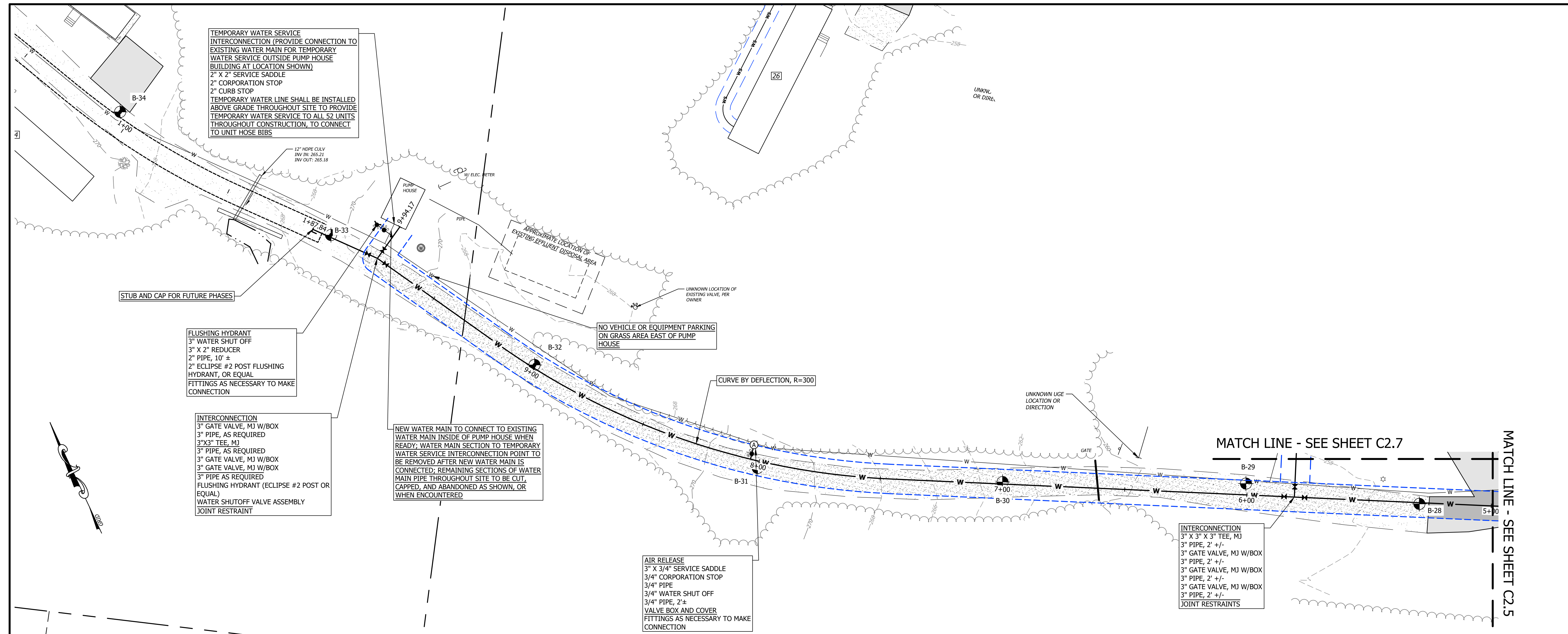
WARDTOWN MOBILE HOME COOPERATIVE
 EAST WATER REPLACEMENT PROJECT
 JEAN ST | CIRCLE DR | KATIE LN | WILL ST
 FREEPORT, MAINE
 KATIE STREET STA. 0+00 - 5+00



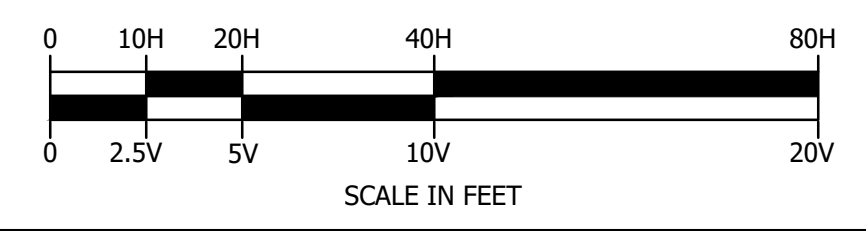
PROPOSED KATIE LANE WATER MAIN
 STA: 0+00 TO STA: 5+00

BID PLANSET - ADDENDUM 1
 NOT FOR CONSTRUCTION

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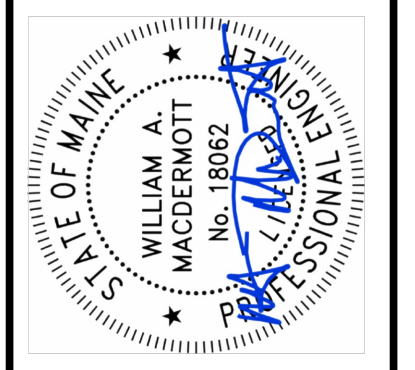
PROPOSED KATIE LANE WATER MAIN
 STA: 5+00 TO STA: 10+00



BID PLANSET - ADDENDUM 1
 NOT FOR CONSTRUCTION

NO.	DATE	REVISION DESCRIPTION
1	APRIL 2026	ADDENDUM 1 REVISIONS

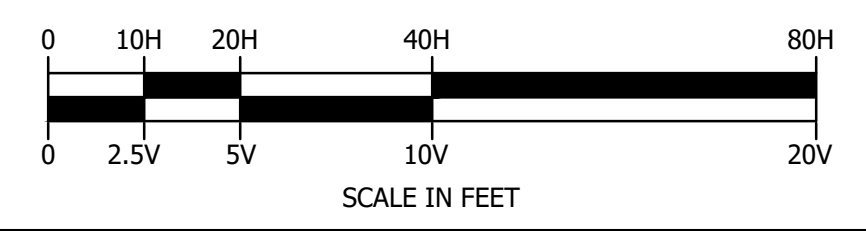
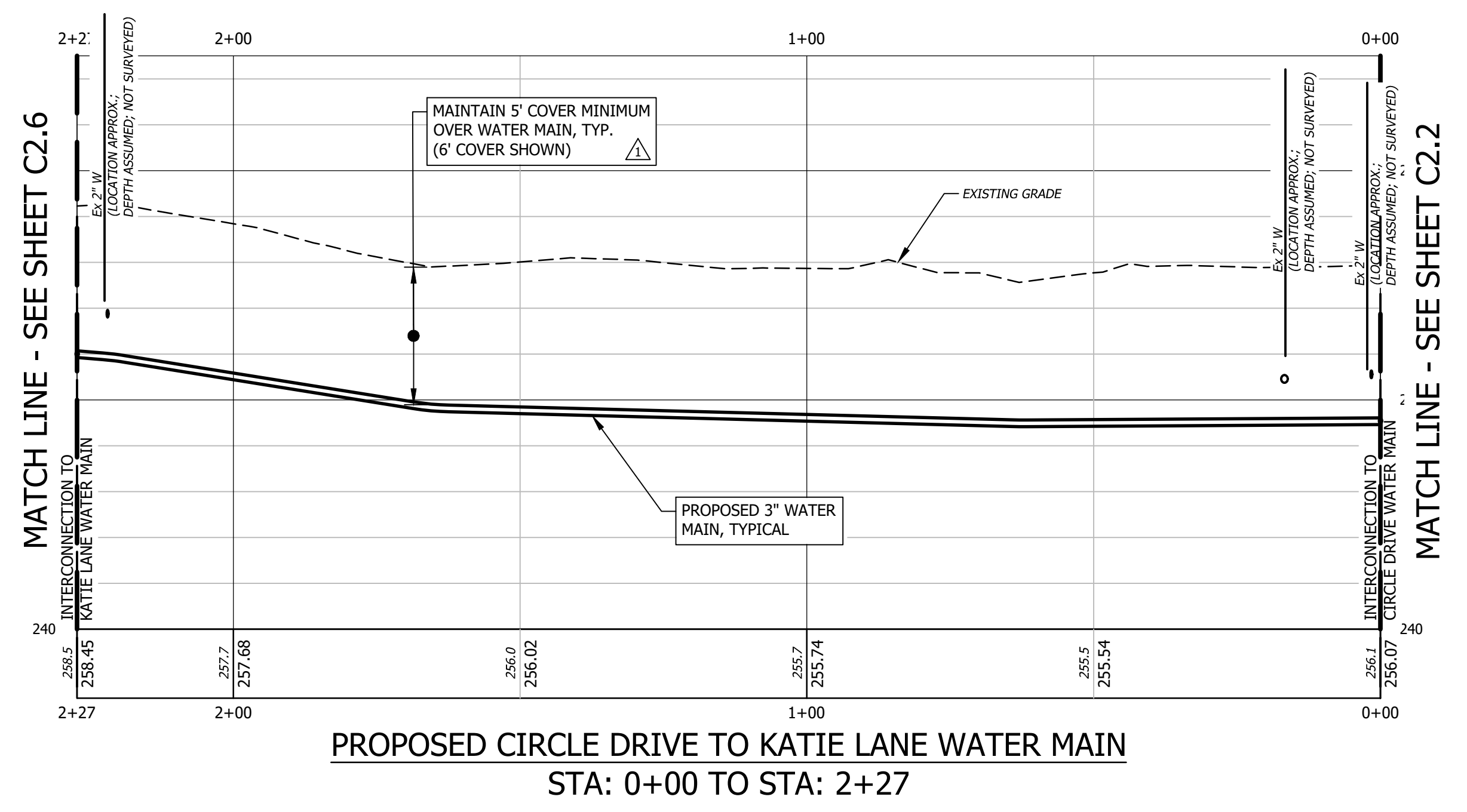
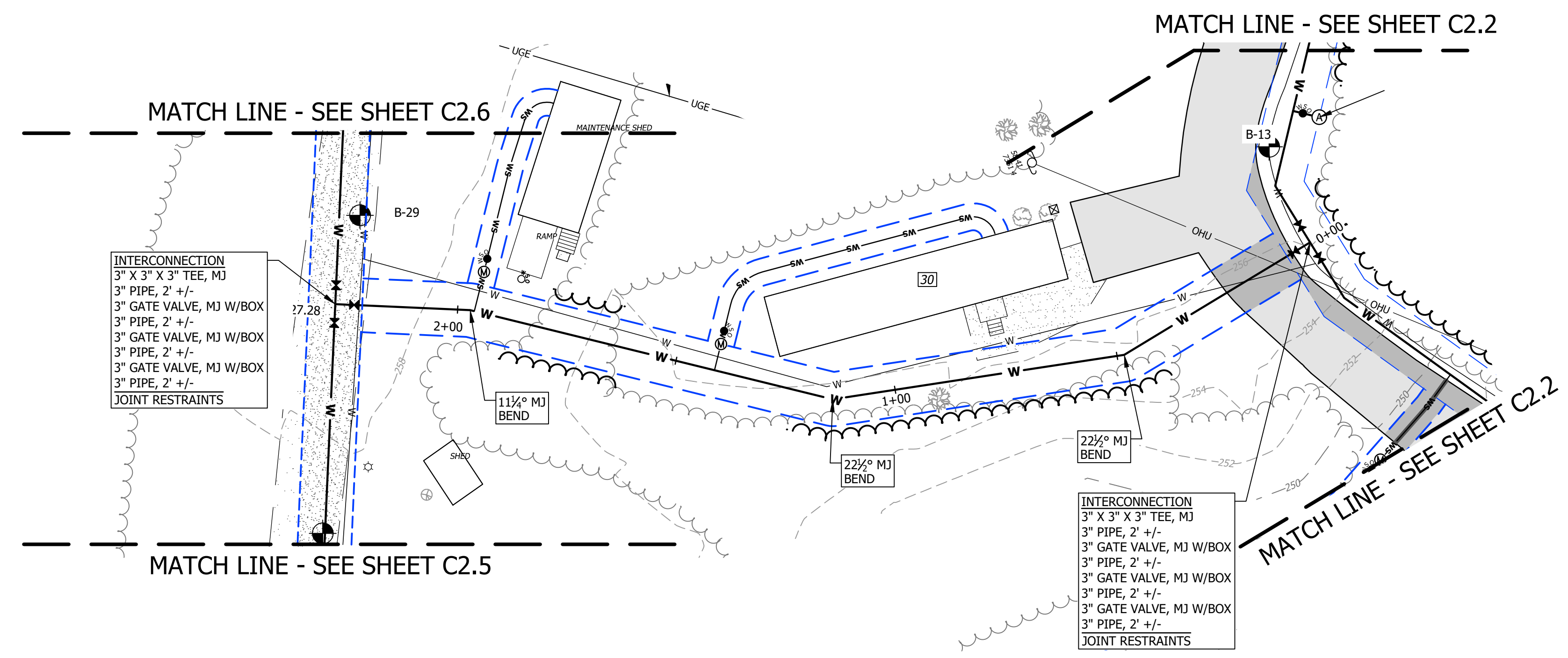
PROJECT #:	250184
DATE:	FEBRUARY 2026
MAP LOT:	HEI
SURVEYED BY:	CEW/WAM
ENGINEERED BY:	CEW/WAM
DRAWN BY:	CEW/WAM
CHECKED BY:	MLB



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WARDTOWN MOBILE HOME COOPERATIVE
 EAST WATER REPLACEMENT PROJECT
 JEAN ST | CIRCLE DR | KATIE LN | WILL ST
 FREETOWN, MAINE
 KATIE STREET STA. 5+00 - 10+00

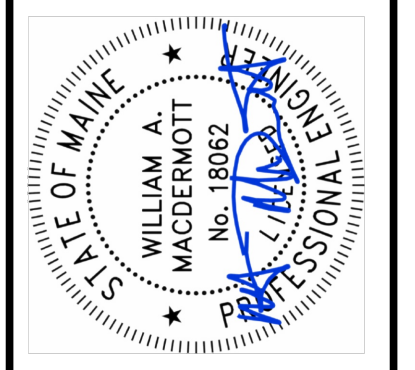
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BID PLANSET - ADDENDUM 1
 NOT FOR CONSTRUCTION

NO.	DATE	REVISION DESCRIPTION	ENG	DWG
1	APRIL 2026	ADDENDUM 1 REVISIONS	WAM	LJM

PROJECT #:	250184	DATE:	FEBRUARY 2026
MAP-LOT		SURVEYED BY:	HEI
ENGINEERED BY:	CEW/WAM	DRAWN BY:	CEW/WAM
CHECKED BY:	MLB		



WARDTOWN MOBILE HOME COOPERATIVE
 EAST WATER REPLACEMENT PROJECT
 JEAN ST | CIRCLE DR | KATIE LN | WILL ST
 FREEPORT, MAINE
 CIRCLE DRIVE TO KATIE LANE STA. 0+00 - 2+27

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SEEDING RECOMMENDATIONS

- PLANTING TIMEFRAME**
 - SEEDING SHALL BE COMPLETED BETWEEN APRIL 1ST AND OCTOBER 1ST. SPRING SEEDING GIVES THE BEST RESULTS FOR ALL SEED TYPES OR LEGUMES. PERMANENT SEEDING SHOULD OCCUR 45 DAYS PRIOR TO THE FIRST KILLING FROST, OR AS A DORMANT SEEDING BEFORE SNOWFALL. BEYOND THE FIRST KILLING FROST, SEEDS ARE LIKELY TO GERMINATE, BUT MAY NOT SURVIVE THE WINTER.
 - DORMANT SEEDS MAY BE APPLIED AT DOUBLE THE RATE; BUT IT SHOULD NOT BE USED IN DITCHES OR NEAR A PROTECTED WATER SOURCE.
 - TEMPORARY GRASS AND LEGUME CAN PROVIDE A VEGETATIVE COVER ON SOILS THAT WILL NOT BE BROUGHT TO FINAL GRADE FOR AN EXTENDED PERIOD OF TIME. TEMPORARY SEEDING ALSO PRESERVES THE INTEGRITY OF EARTHEN STRUCTURES (SUCH AS TEMPORARY DIKES, DIVERSIONS, AND THE BANKS OF SEDIMENT BASINS).

- GRADING AND SHAPING**
 - SLOPES SHALL NOT BE STEEPER THAN 2:1; 3:1 SLOPES OR FLATTER ARE PREFERRED. WHERE MOWING WILL BE DONE, 3:1 SLOPES OR FLATTER ARE RECOMMENDED.

- SEEDBED PREPARATION**
 - SURFACE AND SEEPAGE WATER SHOULD BE DRAINED OR DIVERTED FROM THE SITE TO PREVENT DROWNING OR WINTER KILLING OF THE PLANTS. ANY SUBSOIL SURFACE IRREGULARITIES SHOULD BE CORRECTED TO PREVENT DEPRESSIONS OR WATER POCKETS.
 - REMOVE ALL STONES 2 INCHES OR LARGER, DEBRIS, ROOTS, CONCRETE, LUMPS OR OTHER UNSUITABLE MATERIAL.
 - TOPSOIL SHOULD NOT BE PLACED ON FROZEN, MUDDY, OR EXTREMELY WET SUBGRADE. PRIOR TO SPREADING THE TOPSOIL, THE SUBGRADE SHOULD BE LOOSENOED OR SCARIFIED TO A DEPTH OF AT LEAST 2 INCHES TO ENSURE BONDING. THE TOPSOIL SHALL BE 4 INCHES DEEP AND UNIFORM. ROTOTILLING FOR A DEEPER ROOTING ZONE ON POOR SUBSOILS (SLOPING WET SITES OR WITH SAND AND GRAVELS) IS RECOMMENDED.
 - LABORATORY TESTING FOR NUTRIENT AND CONTENT OF ORGANIC MATTER IS RECOMMENDED (UNIVERSITY OF MAINE SOIL TESTING LABORATORY OR OTHER). TOPSOIL SHOULD HAVE 3-5% OF ORGANIC MATTER, NO MORE THAN 500 PPM SOLUBLE SALTS AND A PH RANGE THAT IS BETWEEN 6.0 AND 7.5 (IF LESS THAN 6.0, LIME SHOULD BE ADDED IN ACCORDANCE WITH THE TEST RESULTS AND SEED REQUIREMENTS).
 - THE SEEDBED SHOULD BE FIRMED WITH A ROLLER, OR LIGHT DRAG EXCEPT WHERE A CULTIPACKER OR HYDROSEEDER WAS USED. THE BED WILL OVER-COMPACT IF THE SOIL CONTAINS HIGH AMOUNT OF CLAY AND SILT.

- ESTABLISHING VEGETATION**
 - KINDS AND AMOUNTS OF LIME AND FERTILIZER SHOULD BE BASED ON AN EVALUATION OF SOIL TESTS. WHEN NECESSARY, LIME AND FERTILIZER SHOULD BE APPLIED PRIOR TO OR AT THE TIME OF SEEDING AND INCORPORATED INTO THE SOIL. APPLY LIME AND FERTILIZER ACCORDING TO SOIL TEST RESULTS (UNIVERSITY OF MAINE SOIL TESTING LABORATORY OR OTHER).
 - IF SOIL TESTING IS NOT FEASIBLE OR WHERE TIMING IS CRITICAL, FERTILIZER MAY BE APPLIED AT THE RATE OF 800 POUNDS PER ACRE OR 18.4 POUNDS PER 1,000 SQUARE FEET USING 10-20-20 (N-P20S-K2O) OR EQUIVALENT. APPLY GROUND LIMESTONE (EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDE) AT A RATE OF 3 TONS PER ACRE (138 LB. PER 1,000 SQ-FT). WORK LIME AND FERTILIZER INTO THE SOIL TO A DEPTH OF 4 INCHES, AND TILL FOR A UNIFORM AND FINE SEEDBED.

NOTE: RECEIVING WATERS DOWNSTREAM OF THIS SITE ARE SENSITIVE TO NUTRIENT POLLUTION. FERTILIZER USE SHALL BE MINIMIZED TO THE EXTENT PRACTICAL.
 - SEED SHOULD BE SPREAD UNIFORMLY BY THE METHOD MOST APPROPRIATE FOR THE SITE. METHODS INCLUDE BROADCASTING, DRILLING, AND HYDROSEEDING. WHERE BROADCASTING IS USED, COVER SEED WITH 0.25 INCH OF SOIL OR LESS, BY CULTIPACKING OR RAKING.
 - APPLY SEEDS UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, CULTIPACKER TYPE SEEDER OR HYDROSEEDER (SLURRY INCLUDING SEED AND FERTILIZER). NORMAL SEEDING DEPTH IS FROM 1/4 TO 1/2 INCH. SEEDING OPERATIONS SHOULD FOLLOW THE CONTOUR.

- VEGETATION APPLICATION**

THE SITE SHOULD BE EVALUATED BASED ON SOIL TYPE, MOISTURE CONTENT, SUN EXPOSURE, USE (FREQUENCY OF MOWING) ETC. TO SELECT THE APPROPRIATE SEED MIXTURE FOR THE SITE. THE APPLICATION SHOULD FOLLOW THE SUPPLIER'S GUIDELINES FOR THE SEED TYPE. MAINE DOT OR SOIL AND WATER CONSERVATION DISTRICT SEED MIXTURE ARE RECOMMENDED.

SEED	LB/ACRE	LB/1000 SF	SEEDING DATE	NOTES
WINTER RYE	112	2.6	8/15 - 10/1	SELECT HARDY SPECIES SUCH AS AROOSTOOK RYE.
OATS	80	1.8	4/1 - 7/1 8/15 - 9/15	BEST FOR SPRING SEEDING. FALL SEEDING WILL DIE OVER THE WINTER.
ANNUAL RYE GRASS	40	0.9	4/1 - 7/1	GROWS QUICKLY BUT SHORT DURATION. WITH MULCH, SEEDING DONE THROUGHOUT THE SEASON.
SUNDANGRASS	40	0.9	5/15 - 8/15	GOOD GROWTH DURING HOT WEATHER.
PERENNIAL RYE	40	0.9	8/15 - 9/15	GOOD COVER, LONGER LASTING THAN ANNUAL RYE GRASS. MULCH WILL ALLOW SEEDING THROUGHOUT THE GROWING SEASON.

- MULCH**
 - HAY, STRAW, OR OTHER MULCH, WHEN NEEDED, SHOULD BE APPLIED IMMEDIATELY AFTER SEEDING.
 - STRAW OR HAY APPLICATION RATE IS 2 BALES (70-90 LBS)/1000 SQ. FT. OR 1/2 TO 2 TONS (90-100 BALES) PER ACRE AND MUST BE EVENLY DISTRIBUTED. NOTE: TWICE THE APPLICATION FOR OVERWINTER STABILIZATION.
 - HAY MULCH SHOULD BE LIMITED TO SLOPES FLATTER THAN 2:1 (UNLESS <10 FEET) AND IN NON-SEEPAGE AREAS. ALTERNATIVE MEASURES, SUCH AS EROSION CONTROL BLANKETS, SHOULD BE USED FOR STEEPER SLOPES WITH A HIGHER RUNOFF POTENTIAL.
 - WOOD CHIPS AND BARK MULCH APPLICATION RATE IS 3 INCHES OR MORE FOR FLAT AREAS OR SHORT 4:1 SLOPES.
 - MULCH WILL BE ANCHORED WITH STAPLED MESH NETTING OR BY STRETCHING TWINE IN A CRISSCROSS PATTERN BETWEEN PEGS (4-6 PEGS PER SQUARE YARD, 2-3 INCHES DEEP). DRIVE THE PEGS FLUSH WITH SOIL WHERE MOWING IS PLANNED.

- EROSION CONTROL BLANKETS**
 - AN EROSION CONTROL BLANKET IS A MACHINE PRODUCED BLANKET OF ORGANIC FIBER, SEWER INTO A BIODEGRADABLE MESH OR GEO-WEB CELLULAR STRUCTURE FOR MORE REINFORCEMENT). EROSION CONTROL BLANKETS ARE USEFUL WHERE HAY CANNOT SUSTAIN WIND OR WATER DISTURBANCE OR WHERE THE SITE IS TO OVERWINTER. REFER TO THE EROSION CONTROL BLANKET INSTALLATION DETAIL.
 - EROSION CONTROL BLANKETS MAY BE USEFUL IN THE FOLLOWING CONDITIONS:
 - VEGETATED WATERWAYS AND DITCHES, BUT NOT IN AREAS OF GROUNDWATER SEEPAGE
 - STEEP SLOPE AREAS (15% OR GREATER, AND UP TO 2:1)
 - IN PROTECTED NATURAL RESOURCE AREAS
 - AREAS SLOW TO REVEGETATE
 - FOR OVERWINTER STABILIZATION (NOVEMBER 1ST TO APRIL 15TH)

- EROSION CONTROL MIX**
 - EROSION CONTROL MIX SHOULD CONTAIN A WELL-GRADED MIXTURE OF PARTICLE SIZES AND MAY CONTAIN ROCKS LESS THAN 4" IN DIAMETER. EROSION CONTROL MIX SHOULD BE FREE OF REFUSE, PHYSICAL CONTAMINANTS, AND MATERIAL TOXIC TO PLANT GROWTH SUCH AS FLY ASH OR YARD SCRAPING. LARGE PORTIONS OF SILTS, CLAYS OR FINE SANDS ARE NOT ACCEPTABLE IN THE MIX. THE COMPOSITION MIX SHOULD MEET THE FOLLOWING STANDARDS:
 - ORGANIC MATTER CONTENT SHOULD BE BETWEEN 80%-100%, BY DRY WEIGHT BASIS
 - PARTICLE SIZE BY WEIGHT SHOULD BE 100% PASSING A 6" SCREEN AND 70%-80% PASSING A 0.75" SCREEN
 - THE ORGANIC PORTION SHOULD BE FIBROUS AND ELONGATED
 - SOLUBLE SALT CONTENT SHALL BE <4.0 MMHOS/CM
 - THE PH SHOULD BE BETWEEN 5.0-8.0
 - APPLICATION RATE IS 2 INCHES FOR SLOPES FLATTER THAN 3:1, OR 4 INCHES FOR SLOPES STEEPER THAN 3:1, PLUS AN ADDITIONAL 1/2 INCH PER 20 FEET OF SLOPE UP TO 100 FEET. IF SLOPES ARE GREATER THAN 60 FEET LONG, 5 INCHES IS NEEDED. EROSION CONTROL MIX IS NOT RECOMMENDED FOR SLOPES STEEPER THAN 1:1.
 - THE EROSION CONTROL MIX MUST BE DISTRIBUTED EVENLY WITH A HYDRAULIC BUCKET, PNEUMATIC BLOWER, OR BY HAND.

- HYDRAULIC MULCH**
 - HYDRAULIC MULCH SHOULD BE APPLIED WITHIN ONE WEEK OF FINAL GRADING. AVOID APPLYING ON WINDY

- HIGHER RATES OF MULCHING SHOULD BE USED ON AREAS SUBJECT TO WIND.
- APPLY WHEN NO RAIN IS PREDICTED FOR A FEW DAYS AS A CURING TIME OF ABOUT 24 DAYS. LOW TEMPERATURES WILL ALSO SLOW DOWN THE CURING TIME.
- APPLY A PAPER HYDRAULIC MULCH AT A RATE OF 5 LBS./1000 SQUARE FEET OR AS DIRECTED BY THE MANUFACTURER.
- APPLY A CELLULOSE FIBER MULCH MIXTURE AT A RATE OF NO LESS THAN 40 LBS./1000 SQUARE FEET OR AS DIRECTED BY THE MANUFACTURER.

- SODDING**
 - SODDING IS AN ALTERNATIVE TO SEEDING, TO PROVIDE INSTANTANEOUS COVER OR TURF, WHICH MAY BE WELL-SUITED IN WATERWAYS, SUCH AS DROP INLETS IN GRASSED SWALES.
 - THE SOIL SHOULD BE LOOSENOED TO A 1-INCH DEPTH, DAMPENED AND AMENDED WITH LIME AND FERTILIZER IF NECESSARY. LAY IN STAGGERED ROWS, IN STRIPS PERPENDICULAR TO THE DIRECTION OF FLOW. WEDGE THE EDGES OF THE EACH STRIP TOGETHER AND TAMP. ANCHOR ON SLOPES TO HOLD THE SOD UNTIL SECURED BY PLANT GROWTH. IRRIGATE SODDED AREAS IMMEDIATELY AND AS NECESSARY TO MAINTAIN MOISTURE BELOW THE ROOT ZONE.
 - FOLLOW THE SUPPLIER'S GUIDELINES FOR INSTALLATION. INSTALLATION SHOULD BE COMPLETED BEFORE RUNOFF IS DIRECTED TO AN AREA HANDLING CONCENTRATED FLOWS.

- MAINTENANCE TO ESTABLISH A STAND**
 - PLANTED AREAS SHOULD BE PROTECTED FROM DAMAGE BY FIRE, GRAZING, TRAFFIC, AND DENSE WEED GROWTH. ALL NEWLY SEEDED AREAS SHOULD BE STABILIZED WITH HAY, HYDRAULIC MULCH, OR EROSION CONTROL BLANKETS IMMEDIATELY AFTER SEEDING.
 - FERTILIZATION NEEDS SHOULD BE DETERMINED BY ON SITE INSPECTIONS, WITH CONSIDERATION PAID TO THE SENSITIVITY OF DOWNSTREAM WATERS.
 - IN WATERWAYS, CHANNELS, OR SWALES WHERE UNIFORM FLOW CONDITIONS ARE ANTICIPATED, OCCASIONAL MOWING MAY BE NECESSARY TO CONTROL GROWTH OF WOODY VEGETATION.

WINTER CONSTRUCTION

- WINTER CONSTRUCTION.** "WINTER CONSTRUCTION" IS CONSTRUCTION ACTIVITY PERFORMED DURING THE PERIOD FROM NOVEMBER 1 THROUGH APRIL 15. IF DISTURBED AREAS ARE NOT STABILIZED WITH PERMANENT MEASURES BY NOVEMBER 1 OR NEW SOIL DISTURBANCE OCCURS AFTER NOVEMBER 1, BUT BEFORE APRIL 15, THEN THESE AREAS MUST BE PROTECTED AND RUNOFF FROM THEM MUST BE CONTROLLED BY ADDITIONAL MEASURES AND RESTRICTIONS.

- IF CONSTRUCTION OCCURS AFTER **NOVEMBER 1ST**, ALL DISTURBED AREAS SHALL BE STABILIZED DAILY IF THE CONSTRUCTION SITE IS ACTIVE. ANY EROSION OR DISCHARGES SHOULD BE REPAIRED IMMEDIATELY. NO MORE THAN **1 ACRE** SHALL BE ACTIVELY WORKED ON AT ANY ONE TIME WITHOUT REGULAR INSPECTION; OR THE EXPOSED AREA SHOULD BE LIMITED TO AN AREA THAT CAN BE MULCHED IN ONE DAY.
- FOR OVER-WINTER CONSTRUCTION, ALL AREAS WITHIN 75 FEET OF A PROTECTED NATURAL RESOURCE MUST BE PROTECTED WITH A **DOUBLE ROW OF SEDIMENT BARRIERS** (IE. SILT FENCE BACKED WITH HAY BALES OR EROSION CONTROL MIX, ETC).

- OVERWINTER HAY MULCH.** FOR WINTER STABILIZATION, HAY MULCH IS APPLIED AT TWICE THE STANDARD TEMPORARY STABILIZATION RATE (150 POUNDS PER 1000 SQUARE FEET OR 3 TONS/ACRE) AND SHOULD BE ANCHORED WITH NETTING (PEG AND TWINE) OR A TACKIFIER TO PREVENT MULCH DISPLACEMENT BEFORE FREEZING CONDITIONS. NO SOIL SHOULD BE VISIBLE THROUGH THE MULCH. AT THE END OF EACH CONSTRUCTION DAY, AREAS THAT HAVE BEEN BROUGHT TO FINAL GRADE MUST BE STABILIZED. MULCH MAY NOT BE SPREAD ON TOP OF SNOW.

- SOIL STOCKPILES** SHOULD BE MULCHED FOR OVER WINTER PROTECTION WITH HAY AT TWICE THE NORMAL RATE OR WITH A FOUR-INCH LAYER OF EROSION CONTROL MIX. STOCKPILES SHOULD NOT BE LEFT OVERWINTER (EVEN MULCHED) IF WITHIN 100 FEET FROM A PROTECTED RESOURCE.

- TEMPORARY VEGETATION** SHOULD BE APPLIED BY OCTOBER 1ST (TO PREPARE FOR WINTER CONDITIONS) WITH WINTER RYE AT 3 POUNDS PER 1000 SQUARE FEET, AND MULCHED WITH ANCHORED HAY AT 75 POUNDS PER 1000 SQUARE FEET OR WITH EROSION CONTROL BLANKET. IF THE RYE FAILS TO GROW AT LEAST THREE INCHES AND HAVE 75% COVERAGE BY NOVEMBER 1ST, THE AREA SHOULD BE STABILIZED FOR OVERWINTER PROTECTION, THE AREA SHOULD BE PROTECTED WITH AN EROSION CONTROL BLANKET, EROSION CONTROL MIX, OR WITH HAY AT A RATE OF AT LEAST 150 POUNDS PER 1000 SQUARE FEET. ALL AREAS SEEDED DURING THE WINTER SHOULD BE INSPECTED IN THE SPRING AND REVEGETATED IF THE CATCH IS LESS THAN 75 %.

ALL VEGETATED AREAS WITH A **SLOPE OF 15% OR LESS** SHOULD HAVE 90% GRASS COVER BY NOVEMBER 1ST OR SHOULD BE SEEDED WITH WINTER RYE AT A SEEDING RATE OF 3 POUNDS PER 1000 SQUARE FEET, MULCHED WITH HAY AT 75 POUNDS PER 1000 SQUARE FEET, AND ANCHORED WITH NETTING. OR, BY NOVEMBER 15, THE AREA SHOULD BE PROTECTED WITH AN EROSION CONTROL BLANKET, EROSION CONTROL MIX, OR WITH HAY AT A RATE OF AT LEAST 150 POUNDS PER 1000 SQUARE FEET.

ALL VEGETATED SLOPES **GREATER THAN 15%** SHOULD BE SEEDED AND MULCHED BY SEPTEMBER 1. IF A SLOPE IS NOT STABILIZED BY OCTOBER 15, THE SOIL MAY BE SEEDED WITH WINTER RYE AT A SEEDING RATE OF 3 POUNDS PER 1000 SQUARE FEET AND PROTECTED WITH EROSION CONTROL BLANKETS. IF THE RYE FAILS TO GROW THREE INCHES OR FAILS TO COVER AT LEAST 75% OF THE SLOPE BY NOVEMBER 15, THE SLOPE SHOULD BE PROTECTED WITH AN EROSION CONTROL BLANKET, EROSION CONTROL MIX, OR RIPRAP.

- EROSION CONTROL MIX** IS THE BEST OVERWINTER COVER, BUT IS NOT RECOMMENDED FOR SLOPES STEEPER THAN 1:1 OR IN AREAS WITH FLOWING WATER.

- SLOPES.** MULCH NETTING MUST BE USED TO ANCHOR MULCH ON ALL SLOPES GREATER THAN 8% UNLESS EROSION CONTROL BLANKETS OR EROSION CONTROL MIX IS BEING USED ON THESE SLOPES.

- EROSION CONTROL BLANKETS** SHOULD BE USED ON SLOPES WHERE HAY WOULD BE DISTURBED BY WIND OR WATER. THE MATTING SHOULD BE INSTALLED, ANCHORED AND STAPLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. FULL CONTACT BETWEEN THE BLANKET AND THE SOIL IS CRITICAL FOR AN EFFECTIVE EROSION CONTROL COVER.

- SOD** MAY BE USED FOR LATE-SEASON STABILIZATION (AFTER OCTOBER 1ST), BUT IT IS NOT RECOMMENDED FOR SLOPES STEEPER THAN 3:1 OR IN AREAS WITH GROUNDWATER SEEPS. FOLLOW THE SUPPLIER'S INSTRUCTIONS.

- DITCH.** ALL GRASS-LINED DITCHES AND CHANNELS SHOULD BE CONSTRUCTED AND STABILIZED BY SEPTEMBER. IF A DITCH OR CHANNEL IS NOT SUFFICIENTLY GRASSED OVER (75% COVER) BY NOVEMBER 15TH, THE DITCH SHOULD BE LINED WITH STONE RIPRAP. THE DITCH WILL NEED TO BE OVER-EXCAVATED TO ACCOMMODATE THE THICKNESS OF THE RIPRAP.

- RIPRAP** SHOULD BE PROPERLY SIZED AND INSTALLED TO ENSURE LONG-TERM STABILITY. IN THE WINTER, NEWLY CONSTRUCTED DITCHES AND CHANNELS SHOULD BE STABILIZED WITH RIPRAP. WIDENING OF THE CHANNEL MAY BE REQUIRED TO ACCOMMODATE THE PLACEMENT OF STONES. ANGULAR RIPRAP IS PREFERRED TO ROUND STONE (TAILINGS).

CONSTRUCTION SEQUENCE

THE FOLLOWING GUIDELINES REFERENCE THE STATE OF ME DEP "MAINE EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs)"; MANUAL FOR DESIGNERS AND ENGINEERS, OCTOBER 2016" RULES AND REGULATIONS AND THE STATE OF ME DEP LAND RULES CHAPTER 500 "STORMWATER MANAGEMENT" RULES AND REGULATIONS, "APPENDIX A - EROSION AND SEDIMENTATION CONTROL":

- PREPARE AN EROSION AND SEDIMENTATION CONTROL PLAN IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS.
- PRIOR TO CONSTRUCTION, PROPERLY INSTALL A STABILIZED CONSTRUCTION ENTRANCE (SCE) AT ALL POINTS OF EGRESS FROM THE SITE. THE SCE IS A STABILIZED PAD OF AGGREGATE, UNDERLAIN BY A GEOTEXTILE FILTER FABRIC, USED TO PREVENT TRAFFIC FROM TRACKING MATERIAL AWAY FROM THE SITE ONTO PUBLIC ROWS. MAINTAIN THE SCE UNTIL ALL DISTURBED AREAS ARE STABILIZED. (SEE DETAIL).
- CUT AND CLEAR TREES WITHIN THE CLEARING LIMITS.

- PRIOR TO CONSTRUCTION, PROPERLY INSTALL SEDIMENT BARRIERS AT THE DOWNGRADIENT EDGE OF ANY AREA TO BE DISTURBED AND ADJACENT TO ANY DRAINAGE CHANNELS WITHIN THE DISTURBED AREA. SEDIMENT BARRIERS SHOULD BE INSTALLED DOWNGRADIENT OF SOIL OR SEDIMENT STOCKPILES AND STORMWATER PREVENTED FROM RUNNING ONTO THE STOCKPILE. MAINTAIN THE SEDIMENT BARRIERS BY REMOVING ACCUMULATED SEDIMENT, OR REMOVING AND REPLACING THE BARRIER, UNTIL THE DISTURBED AREA IS PERMANENTLY STABILIZED. WHERE A DISCHARGE TO A STORM DRAIN INLET OCCURS, IF THE STORM DRAIN CARRIES WATER DIRECTLY TO A SURFACE WATER AND YOU HAVE AUTHORITY TO ACCESS THE STORM DRAIN INLET, YOU MUST INSTALL AND MAINTAIN PROTECTION MEASURES THAT REMOVE SEDIMENT FROM THE DISCHARGE.

- GRUB SITE WITHIN GRADING LIMITS.
- STRIP AND STOCKPILE TOPSOIL AND INSTALL EROSION CONTROL MEASURES.

- INSTALL/ADJUST SEDIMENT BARRIERS, AS REQUIRED. IF BEST MANAGEMENT PRACTICES (BMPs) NEED TO BE REPAIRED, THE REPAIR WORK SHOULD BE INITIATED UPON DISCOVERY OF THE PROBLEM BUT NO LATER THAN THE END OF THE NEXT WORKDAY. IF ADDITIONAL BMPs OR SIGNIFICANT REPAIR OF BMPs ARE NECESSARY, IMPLEMENTATION MUST BE COMPLETED WITHIN 7 CALENDAR DAYS AND PRIOR TO ANY STORM EVENT (RAINFALL). ALL MEASURES MUST BE MAINTAINED IN EFFECTIVE OPERATING CONDITION UNTIL AREAS ARE PERMANENTLY STABILIZED.

- CONSTRUCT PERMANENT STORMWATER CONTROLS AS SOON AS PRACTICAL. STORMWATER PONDS, INFILTRATION BASINS AND SWALES MUST BE INSTALLED BEFORE ROUGH GRADING THE SITE. DO NOT DIRECT STORMWATER TOWARD TREATMENT PRACTICES, DITCHES AND LEVEL SPREADERS UNTIL THEY HAVE BEEN STABILIZED. RUNOFF MUST BE DIRECTED TO TEMPORARY PRACTICES UNTIL STORMWATER BMPs ARE STABILIZED.

- PROCEED WITH WORK, LIMITING THE DURATION AND EXTENT OF DISTURBANCE. DISTURBANCE AREAS SHOULD BE LIMITED TO 1 ACRE ACTIVELY WORKED ON AT ANY ONE TIME WITHOUT REGULAR INSPECTION; OR THE EXPOSED AREA SHOULD BE LIMITED TO AN AREA THAT CAN BE MULCHED IN ONE DAY.

- TEMPORARY STABILIZATION.** WITHIN 7 DAYS OF THE CESSATION OF CONSTRUCTION ACTIVITIES IN AN AREA THAT WILL NOT BE WORKED FOR MORE THAN 7 DAYS, STABILIZE ANY EXPOSED SOIL WITH MULCH, OR OTHER NON-ERODIBLE COVER. STABILIZE AREAS WITHIN 75 FEET OF A WETLAND OR WATERBODY WITHIN 48 HOURS OF THE INITIAL DISTURBANCE OF THE SOIL OR PRIOR TO ANY STORM EVENT, WHICHEVER COMES FIRST.

- BEGIN SEEDING AND MULCHING IMMEDIATELY AFTER GRADING. ALL DISTURBED AREAS SHALL BE STABILIZED WITH APPROVED METHODS WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.

- INSPECT DISTURBED AND IMPERVIOUS AREAS, EROSION CONTROL MEASURES, MATERIALS STORAGE AREAS THAT ARE EXPOSED TO PRECIPITATION, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE. INSPECT THESE AREAS AT LEAST ONCE A WEEK AS WELL AS BEFORE AND WITHIN 24 HOURS AFTER A STORM EVENT (RAINFALL), AND PRIOR TO COMPLETING PERMANENT STABILIZATION MEASURES. A PERSON WITH KNOWLEDGE OF EROSION AND STORMWATER CONTROL, INCLUDING THE STANDARDS AND CONDITIONS IN THE PERMIT, SHALL CONDUCT THE INSPECTIONS.

- PAVE ROADWAYS AND/OR PARKING AREAS.
- PLACE TOPSOIL, SEED AND MULCH.

- PERMANENT STABILIZATION: IF THE AREA WILL NOT BE WORKED FOR MORE THAN ONE YEAR OR HAS BEEN BROUGHT TO FINAL GRADE, THEN PERMANENTLY STABILIZE THE AREA WITHIN 7 DAYS BY PLANTING VEGETATION, SEEDING, SOD, OR THROUGH THE USE OF PERMANENT MULCH, OR RIPRAP, OR ROAD SUB-BASE. IF USING VEGETATION FOR STABILIZATION, SELECT THE PROPER VEGETATION FOR THE LIGHT, MOISTURE, AND SOIL CONDITIONS; AMEND AREAS OF DISTURBED SUBSOILS WITH TOPSOIL, COMPOST, OR FERTILIZERS; PROTECT SEEDED AREAS WITH MULCH OR, IF NECESSARY, EROSION CONTROL BLANKETS; AND SCHEDULE SODDING, PLANTING, AND SEEDING SO TO AVOID DIE-OFF FROM SUMMER DROUGHT AND FALL FROSTS. NEWLY SEEDED OR SODDED AREAS MUST BE PROTECTED FROM VEHICLE TRAFFIC, EXCESSIVE PEDESTRIAN TRAFFIC, AND CONCENTRATED RUNOFF UNTIL THE VEGETATION IS WELL-ESTABLISHED WITH 90% COVER BY HEALTHY VEGETATION. IF NECESSARY, AREAS MUST BE REWORKED AND RESTABILIZED IF GERMINATION IS SPARSE, PLANT COVERAGE IS SPOTTY, OR TOPSOIL EROSION IS EVIDENT. ONE OR MORE OF THE FOLLOWING MAY APPLY TO A PARTICULAR SITE.

- SEEDED AREAS.** FOR SEEDED AREAS, PERMANENT STABILIZATION MEANS A 90% COVER OF THE DISTURBED AREA WITH MATURE, HEALTHY PLANTS WITH NO EVIDENCE OF WASHING OR RILLING OF THE TOPSOIL.

- SODDED AREAS.** FOR SODDED AREAS, PERMANENT STABILIZATION MEANS THE COMPLETE BINDING OF THE SOD ROOTS INTO THE UNDERLYING SOIL WITH NO SLUMPING OF THE SOD OR DIE-OFF.

- PERMANENT MULCH.** FOR MULCHED AREAS, PERMANENT MULCHING MEANS TOTAL COVERAGE OF THE EXPOSED AREA WITH AN APPROVED MULCH MATERIAL. EROSION CONTROL MIX MAY BE USED AS MULCH FOR PERMANENT STABILIZATION ACCORDING TO THE APPROVED APPLICATION RATES AND LIMITATIONS.

- RIPRAP.** FOR AREAS STABILIZED WITH RIPRAP, PERMANENT STABILIZATION MEANS THAT SLOPES STABILIZED WITH RIPRAP HAVE AN APPROPRIATE BACKING OF A WELL-GRADED GRAVEL OR APPROVED GEOTEXTILE TO PREVENT SOIL MOVEMENT FROM BEHIND THE RIPRAP. STONE MUST BE SIZED APPROPRIATELY. IT IS RECOMMENDED THAT ANGULAR STONE BE USED.

- AGRICULTURAL USE.** FOR CONSTRUCTION PROJECTS ON LAND USED FOR AGRICULTURAL PURPOSES (E.G., PIPELINES ACROSS CROP LAND), PERMANENT STABILIZATION MAY BE ACCOMPLISHED BY RETURNING THE DISTURBED LAND TO AGRICULTURAL USE.

- PAVED AREAS.** FOR PAVED AREAS, PERMANENT STABILIZATION MEANS THE PLACEMENT OF THE COMPACTED GRAVEL SUBBASE IS COMPLETED, PROVIDED IT IS FREE OF FINE MATERIALS THAT MAY RUNOFF WITH A RAIN EVENT

- DITCHES, CHANNELS, AND SWALES.** FOR OPEN CHANNELS, PERMANENT STABILIZATION MEANS THE CHANNEL IS STABILIZED WITH A 90% COVER OF HEALTHY VEGETATION, WITH A WELL-GRADED RIPRAP LINING, TURF REINFORCEMENT MAT, OR WITH ANOTHER NON-EROSIVE LINING SUCH AS CONCRETE OR ASPHALT PAVEMENT. THERE MUST BE NO EVIDENCE OF SLUMPING OF THE CHANNEL LINING, UNDERCUTTING OF THE CHANNEL BANKS, OR DOWN-CUTTING OF THE CHANNEL.

- MONITOR THE SITE AND MAINTAIN STRUCTURES AS NEEDED UNTIL FULL VEGETATION IS ESTABLISHED.
- REMOVE ANY TEMPORARY CONTROL MEASURES, SUCH AS SILT FENCE, WITHIN 30 DAYS AFTER PERMANENT STABILIZATION IS ATTAINED. REMOVE ANY ACCUMULATED SEDIMENTS AND STABILIZE.

HOUSEKEEPING

THE FOLLOWING GUIDELINES REFERENCE THE STATE OF ME DEP LAND RULES CHAPTER 500 "STORMWATER MANAGEMENT" RULES AND REGULATIONS, "APPENDIX C - HOUSEKEEPING":

- SPILL PREVENTION:** CONTROLS MUST BE USED TO PREVENT POLLUTANTS FROM CONSTRUCTION AND WASTE MATERIALS STORED ON SITE TO ENTER STORMWATER, WHICH INCLUDES STORAGE PRACTICES TO MINIMIZE EXPOSURE OF THE MATERIALS TO STORMWATER. THE SITE CONTRACTOR OR OPERATOR MUST DEVELOP, AND IMPLEMENT AS NECESSARY, APPROPRIATE SPILL PREVENTION, CONTAINMENT, AND RESPONSE PLANNING MEASURES.
 - NOTE: SPILL PREVENTION. CONTROLS MUST BE USED TO PREVENT POLLUTANTS FROM CONSTRUCTION AND WASTE MATERIALS STORED ON SITE TO ENTER STORMWATER, WHICH INCLUDES STORAGE PRACTICES TO MINIMIZE EXPOSURE OF THE MATERIALS TO STORMWATER. THE SITE CONTRACTOR OR OPERATOR MUST DEVELOP, AND IMPLEMENT AS NECESSARY, APPROPRIATE SPILL PREVENTION, CONTAINMENT, AND RESPONSE PLANNING MEASURES.

- GROUNDWATER PROTECTION:** DURING CONSTRUCTION, LIQUID PETROLEUM PRODUCTS AND OTHER HAZARDOUS MATERIALS WITH THE POTENTIAL TO CONTAMINATE GROUNDWATER MAY NOT BE STORED OR HANDLED IN AREAS OF THE SITE DRAINING TO AN INFILTRATION AREA. AN "INFILTRATION AREA" IS ANY AREA OF THE SITE THAT BY DESIGN OR AS A RESULT OF SOILS, TOPOGRAPHY AND OTHER RELEVANT FACTORS ACCUMULATES RUNOFF THAT INFILTRATES INTO THE SOIL. DIKES, BERMS, SUMPS, AND OTHER FORMS OF SECONDARY CONTAINMENT THAT PREVENT DISCHARGE TO GROUNDWATER MAY BE USED TO ISOLATE PORTIONS OF THE SITE FOR THE PURPOSES OF STORAGE AND HANDLING OF THESE MATERIALS. ANY PROJECT PROPOSING INFILTRATION OF STORMWATER MUST PROVIDE ADEQUATE PRE-TREATMENT OF STORMWATER PRIOR TO DISCHARGE OF STORMWATER TO THE INFILTRATION AREA, OR PROVIDE FOR TREATMENT WITHIN THE INFILTRATION AREA, IN ORDER TO PREVENT THE ACCUMULATION OF FINES, REDUCTION IN INFILTRATION RATE, AND CONSEQUENT FLOODING AND DESTABILIZATION.

- FUGITIVE SEDIMENT AND DUST:** ACTIONS MUST BE TAKEN TO ENSURE THAT ACTIVITIES DO NOT RESULT IN NOTICEABLE EROSION OF SOILS OR FUGITIVE DUST EMISSIONS DURING OR AFTER CONSTRUCTION. OIL MAY NOT BE USED FOR DUST CONTROL, BUT OTHER WATER ADDITIVES MAY BE CONSIDERED AS NEEDED. A STABILIZED CONSTRUCTION ENTRANCE (SCE) SHOULD BE INCLUDED TO MINIMIZE TRACKING OF MUD AND SEDIMENT. IF OFF-SITE TRACKING OCCURS, PUBLIC ROADS SHOULD BE SWEEP IMMEDIATELY AND NO LESS THAN ONCE A WEEK AND PRIOR TO SIGNIFICANT STORM EVENTS. OPERATIONS DURING DRY MONTHS, THAT EXPERIENCE FUGITIVE DUST PROBLEMS, SHOULD WET DOWN UNPAVED ACCESS ROADS ONCE A WEEK OR MORE FREQUENTLY AS NEEDED WITH A WATER ADDITIVE TO SUPPRESS FUGITIVE SEDIMENT AND DUST.

- DEBRIS AND OTHER MATERIALS:** MINIMIZE THE EXPOSURE OF CONSTRUCTION DEBRIS, BUILDING AND LANDSCAPING MATERIALS, TRASH, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE AND OTHER MATERIALS TO PRECIPITATION AND STORMWATER RUNOFF. THESE MATERIALS MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE.

- EXCAVATION DE-WATERING:** EXCAVATION DE-WATERING IS THE REMOVAL OF WATER FROM TRENCHES, FOUNDATIONS, COFFER DAMS, PONDS, AND OTHER AREAS WITHIN THE CONSTRUCTION AREA THAT RETAIN WATER AFTER EXCAVATION. IN MOST CASES THE COLLECTED WATER IS HEAVILY SILTED AND HINDERS CORRECT AND SAFE CONSTRUCTION PRACTICES. THE COLLECTED WATER REMOVED FROM THE PONDED AREA, EITHER THROUGH GRAVITY OR PUMPING, MUST BE SPREAD THROUGH NATURAL WOODED BUFFERS OR REMOVED TO AREAS THAT ARE SPECIFICALLY DESIGNED TO COLLECT THE MAXIMUM AMOUNT OF SEDIMENT POSSIBLE, LIKE A COFFERDAM SEDIMENTATION BASIN. AVOID ALLOWING THE WATER TO FLOW OVER DISTURBED AREAS OF THE SITE. EQUIVALENT MEASURES MAY BE TAKEN IF APPROVED BY THE DEPARTMENT.

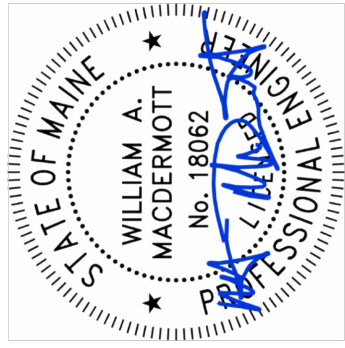
- AUTHORIZED NON-STORMWATER DISCHARGES:** IDENTIFY AND PREVENT CONTAMINATION BY NON-STORMWATER DISCHARGES. WHERE ALLOWED NON-STORMWATER DISCHARGES EXIST, THEY MUST BE IDENTIFIED AND STEPS SHOULD BE TAKEN TO ENSURE THE IMPLEMENTATION OF APPROPRIATE POLLUTION PREVENTION MEASURES FOR THE NON-STORMWATER COMPONENT(S) OF THE DISCHARGE. AUTHORIZED NON-STORMWATER DISCHARGES ARE:

- DISCHARGES FROM FIREFIGHTING ACTIVITY;
- FIRE HYDRANT FLUSHINGS;
- VEHICLE WASHWATER IF DETERGENTS ARE NOT USED AND WASHING IS LIMITED TO THE EXTERIOR OF VEHICLES (ENGINE, UNDERCARRIAGE AND TRANSMISSION WASHING IS PROHIBITED);
- DUST CONTROL RUNOFF IN ACCORDANCE WITH PERMIT CONDITIONS AND APPENDIX C(3);
- ROUTINE EXTERNAL BUILDING WASHDOWN, NOT INCLUDING SURFACE PAINT REMOVAL, THAT DOES NOT INVOLVE DETERGENTS;
- PAVEMENT WASHWATER (WHERE SPILLS/LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE NOT OCCURRED, UNLESS ALL SPILLED MATERIAL HAD BEEN REMOVED) IF DETERGENTS ARE NOT USED;
- UNCONTAMINATED AIR CONDITIONING OR COMPRESSOR CONDENSATE;
- UNCONTAMINATED GROUNDWATER OR SPRING WATER;
- FOUNDATION OR FOOTER DRAIN-WATER WHERE FLOWS ARE NOT CONTAMINATED;
- UNCONTAMINATED EXCAVATION DEWATERING (SEE REQUIREMENTS IN APPENDIX C(5));
- POTABLE WATER SOURCES INCLUDING WATERLINE FLUSHINGS; AND
- LANDSCAPE IRRIGATION.

- UNAUTHORIZED NON-STORMWATER DISCHARGES:** THE DEPARTMENT'S APPROVAL UNDER THIS CHAPTER DOES NOT AUTHORIZE A DISCHARGE THAT IS MIXED WITH A SOURCE OF NON-STORMWATER, OTHER THAN THOSE DISCHARGES IN COMPLIANCE WITH APPENDIX C (6). SPECIFICALLY, THE DEPARTMENT'S APPROVAL DOES NOT AUTHORIZE DISCHARGES OF THE FOLLOWING:

- WASTEWATER FROM THE WASHOUT OR CLEANOUT OF CONCRETE, STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS OR OTHER CONSTRUCTION MATERIALS;
- FUELS, OILS OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE;
- SOAPS, SOLVENTS, OR DETERGENTS USED IN VEHICLE AND EQUIPMENT WASHING; AND
- TOXIC OR HAZARDOUS SUBSTANCES FROM A SPILL OR OTHER RELEASE.

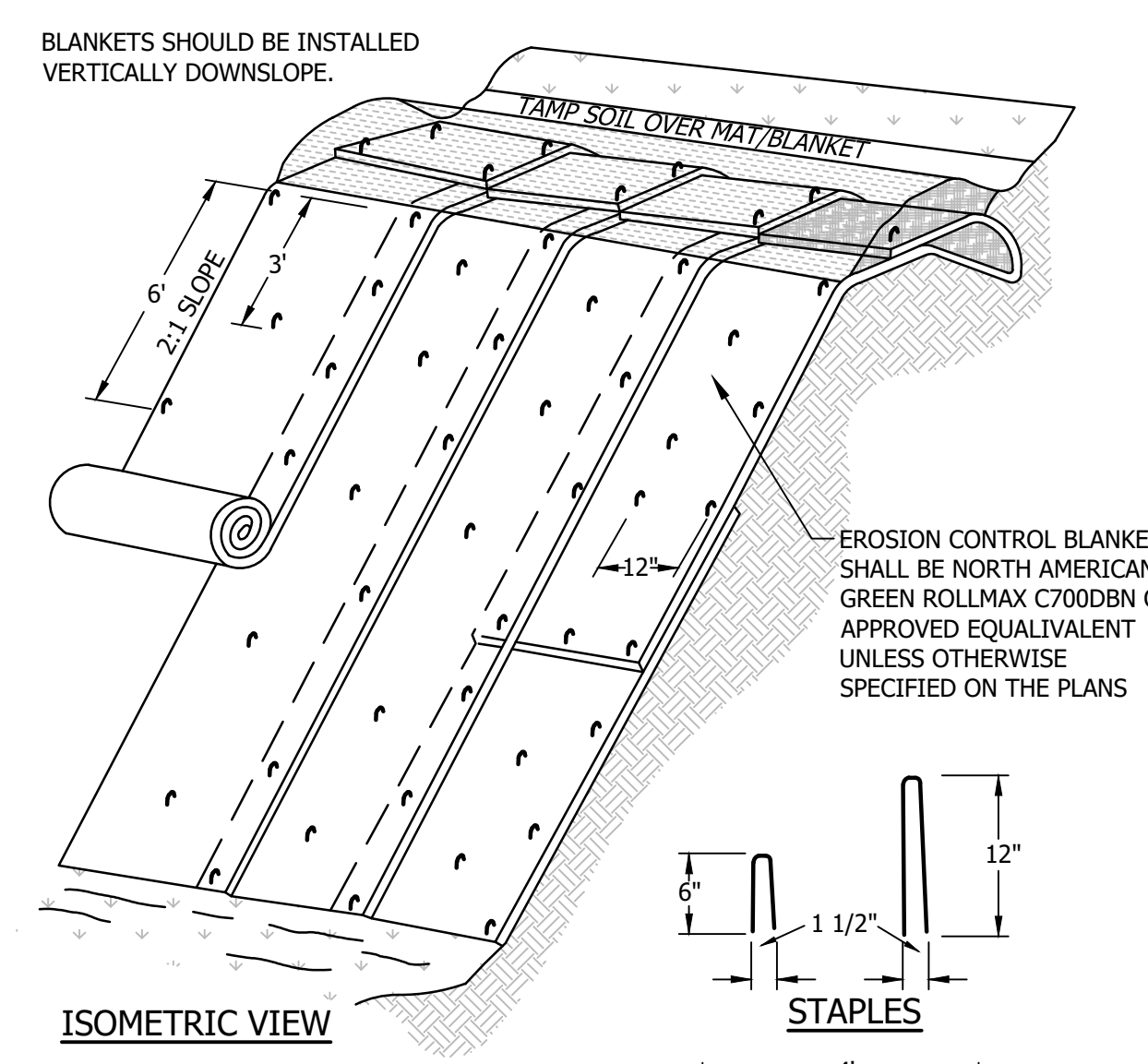
PROJECT #:	250184	DATE:	FEBRUARY 2026	MAP-LOT:	HEI	ENGINEERED BY:	CEW/WAM	DRAWN BY:	CEW/WAM	CHECKED BY:	MLB
NO.	1	DATE	APRIL 2026	REVISION DESCRIPTION	ADDENDUM 1 REVISIONS	ENG	DWG	WAM	LN		



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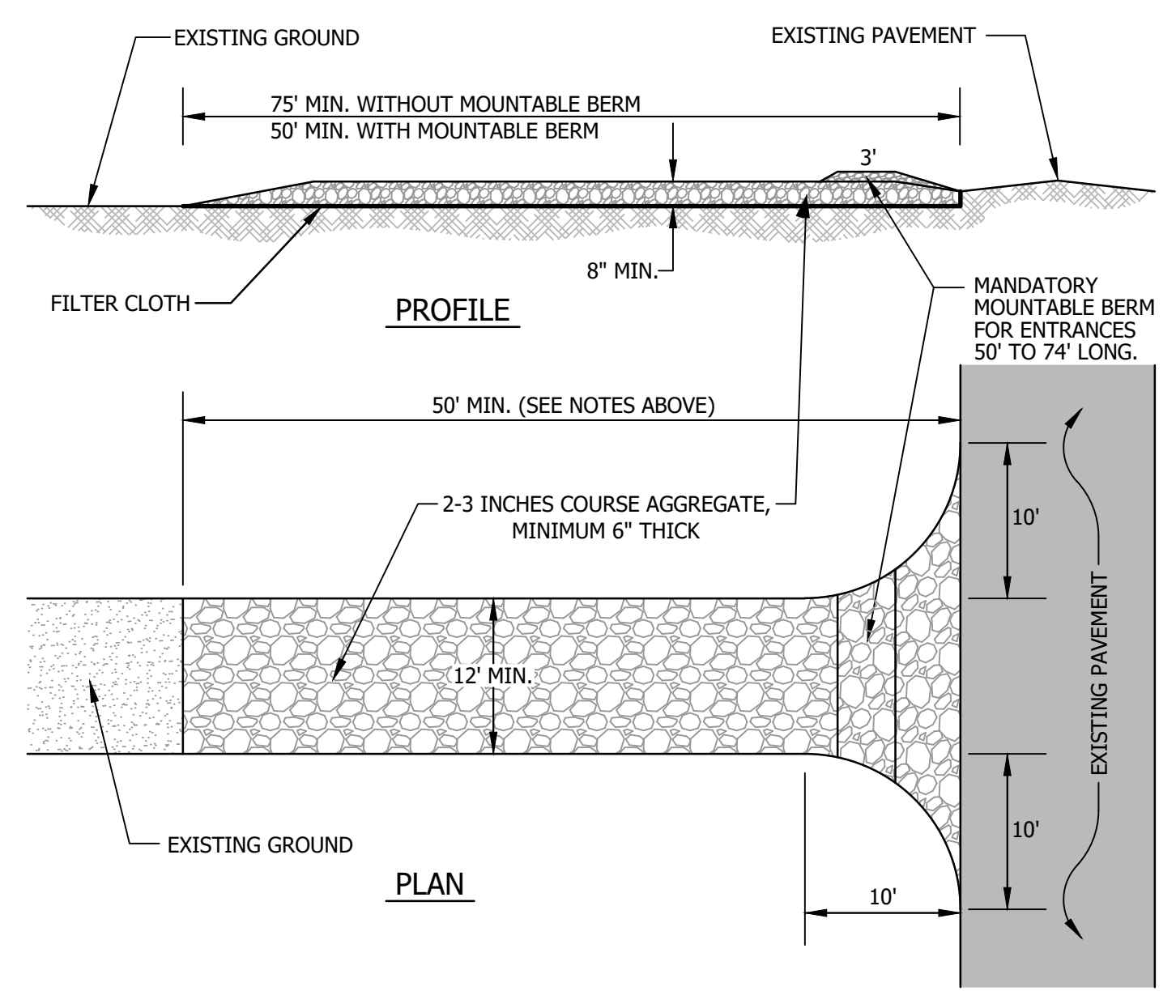
WARDTOWN MOBILE HOME COOPERATIVE
EAST WATER REPLACEMENT PROJECT
JEAN ST | CIRCLE DR | KATIE LN | WILL ST
FREEPORT, MAINE
EROSION CONTROL NOTES

BID PLANSET - ADDENDUM 1
NOT FOR CONSTRUCTION

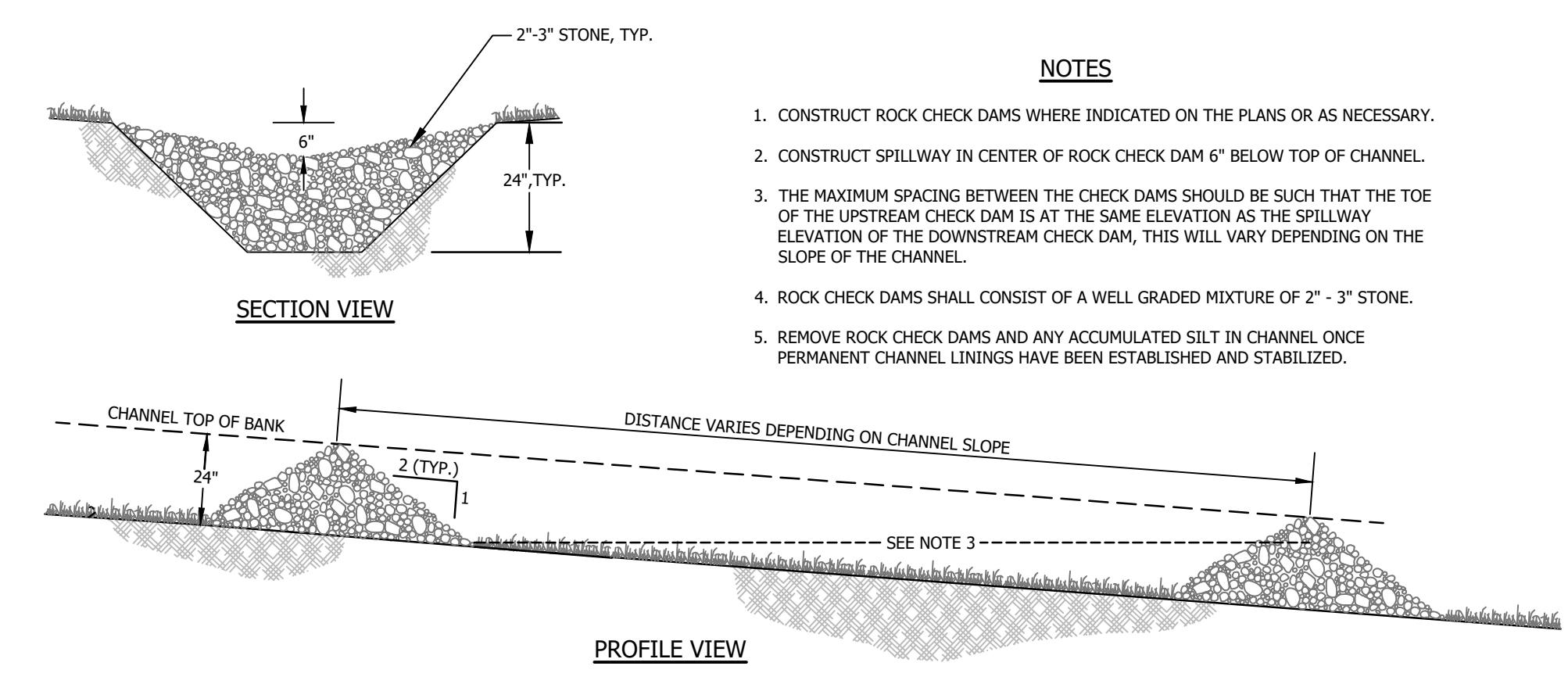


- NOTES:**
1. DIMENSION GIVEN IN THE DRAWINGS ARE EXAMPLES; DEVICE SHOULD BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
 2. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS/BLANKETS SHALL HAVE GOOD SOIL CONTACT.
 3. APPLY PERMANENT SEEDING BEFORE PLACING BLANKETS.
 4. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
 5. NOTE: PLASTIC FILAMENT PROHIBITED

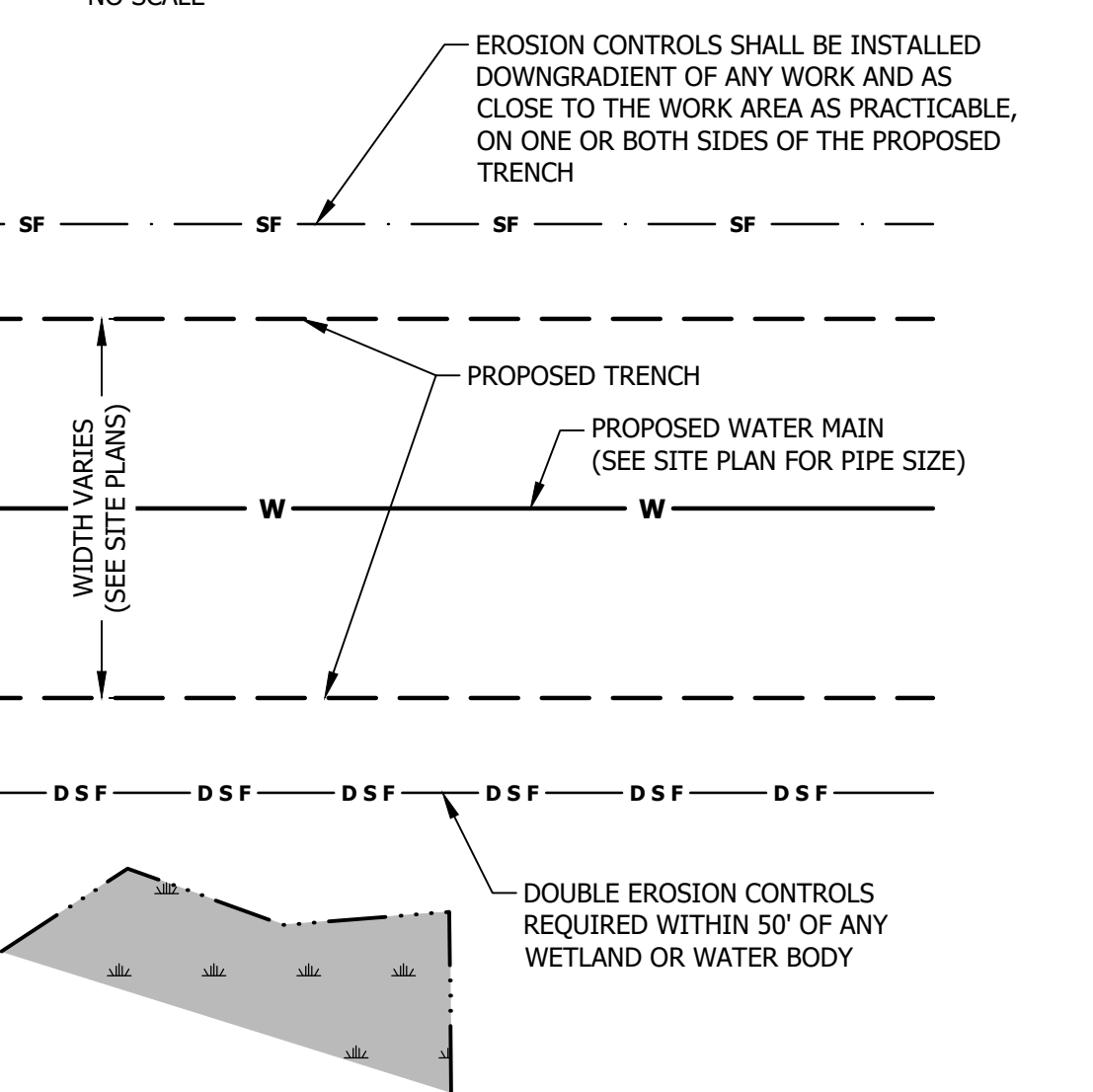
**EROSION CONTROL BLANKET
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 NOT TO SCALE



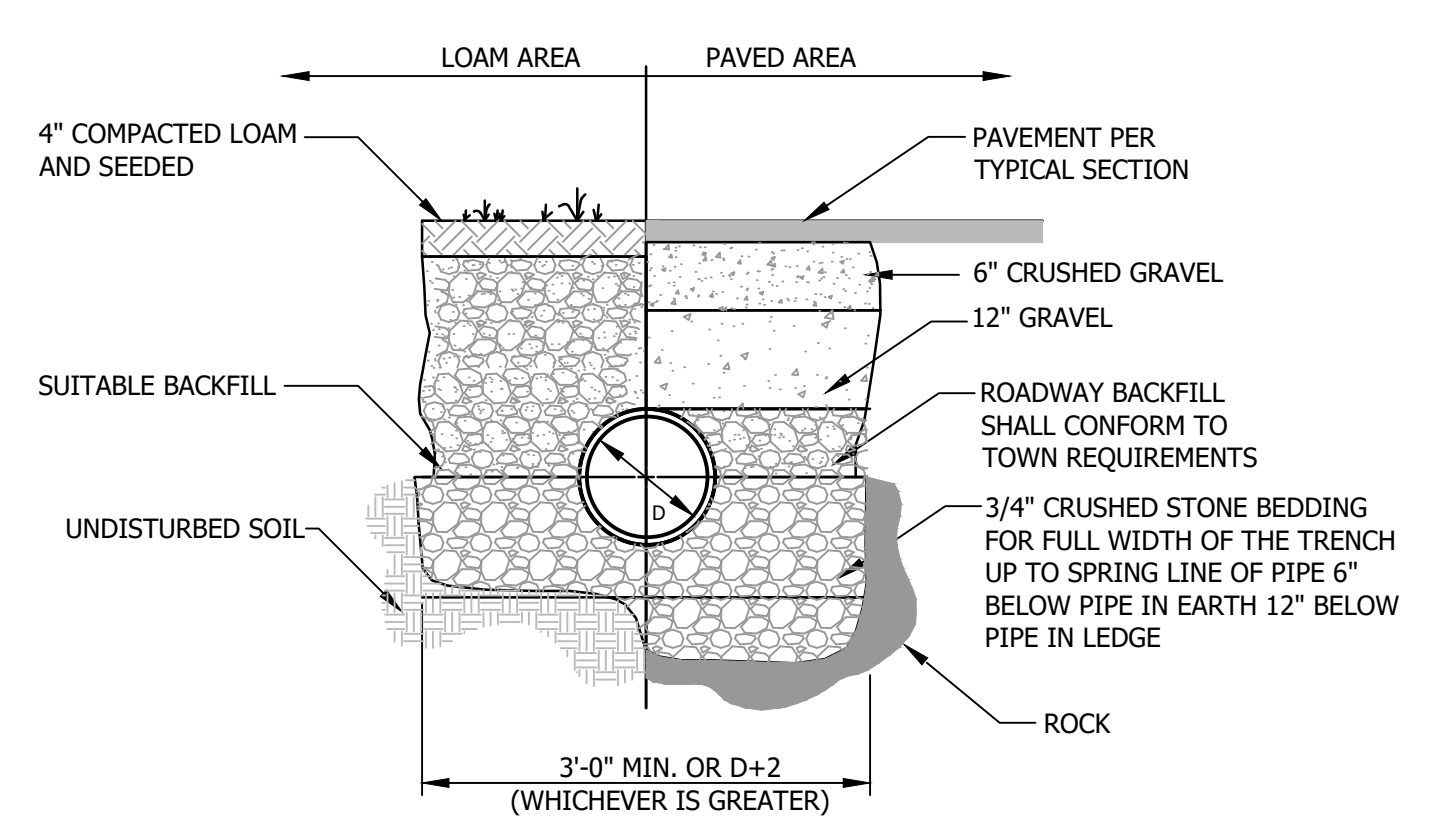
STABILIZED CONSTRUCTION EXIT
 NOT TO SCALE



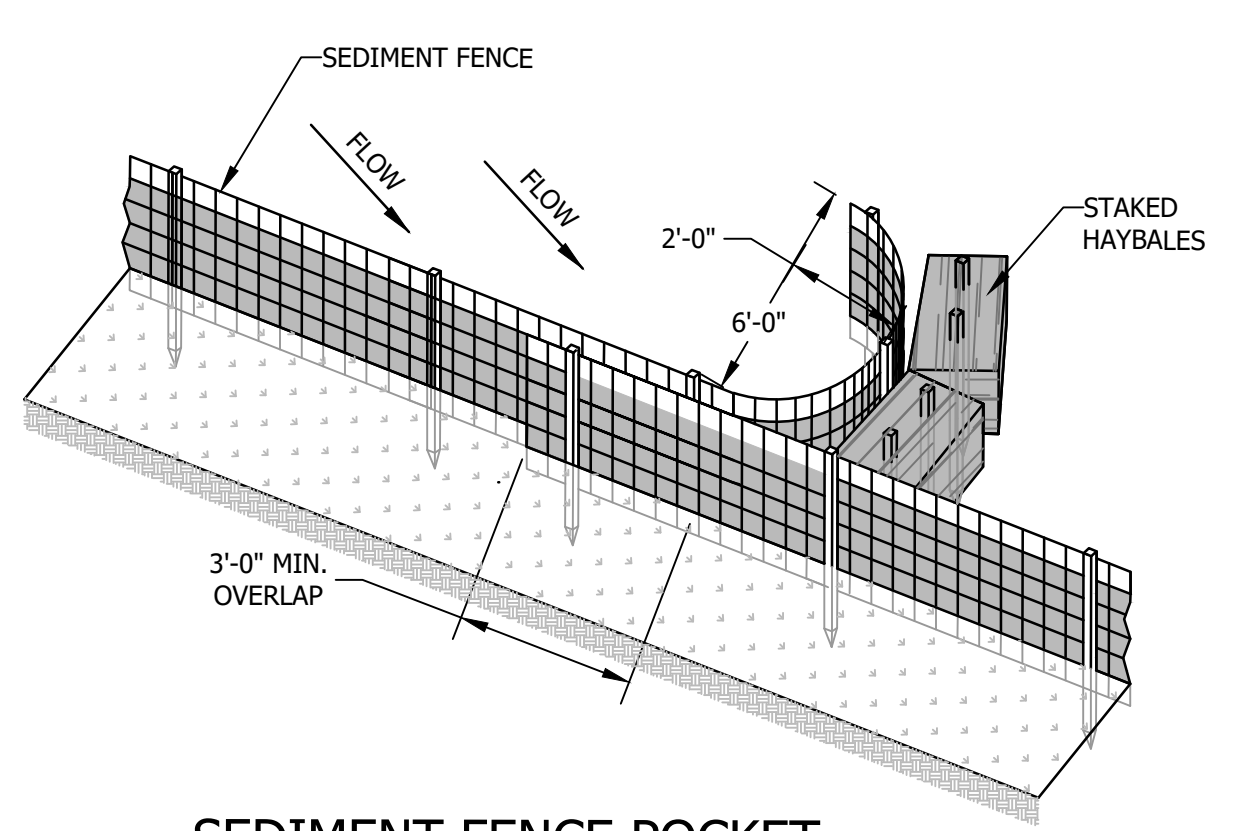
ROCK CHECK DAM DETAIL
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TYPICAL EROSION CONTROL INSTALLATION DETAIL
 NOT TO SCALE



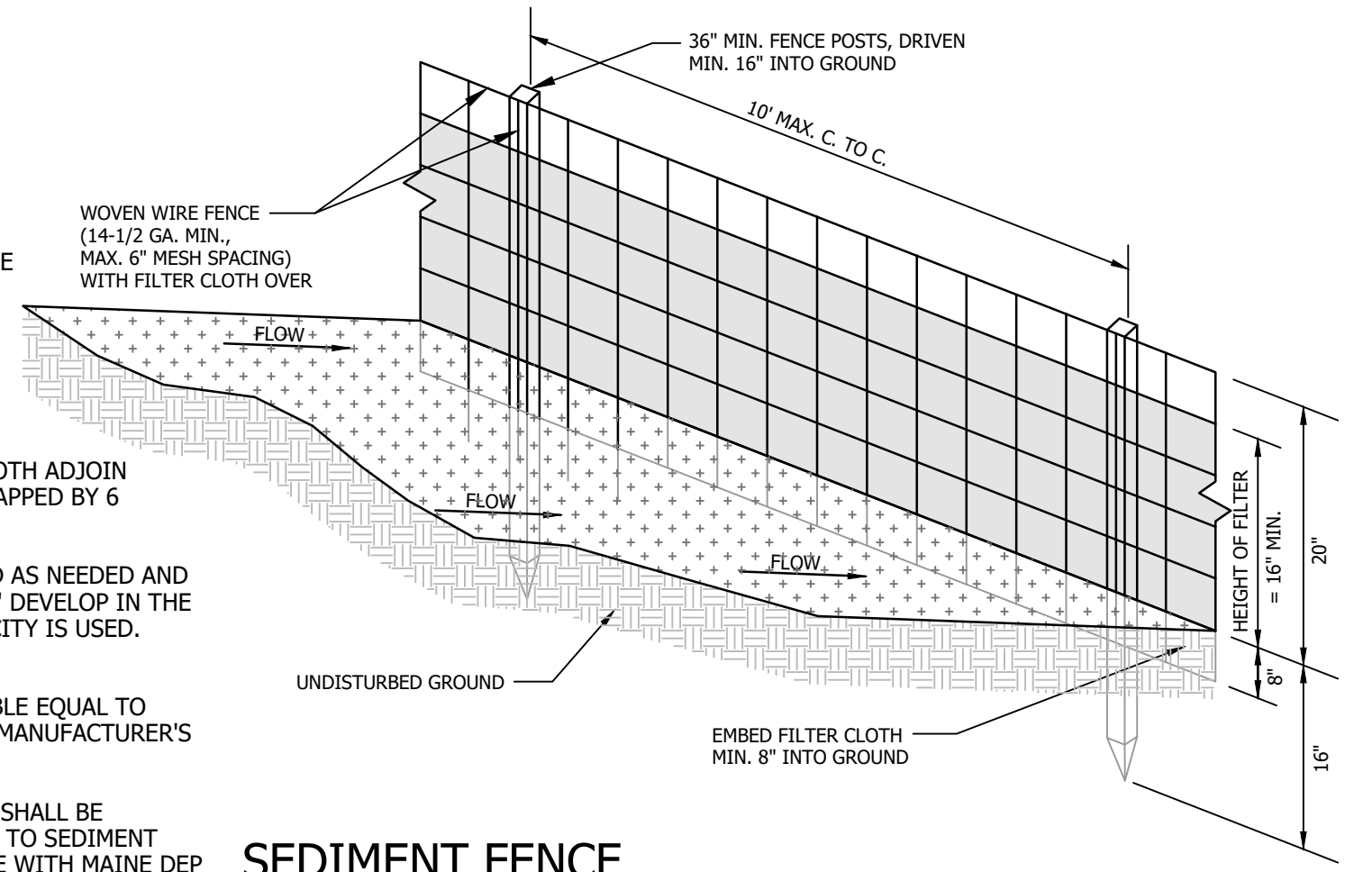
TYPICAL CULVERT TRENCH DETAIL
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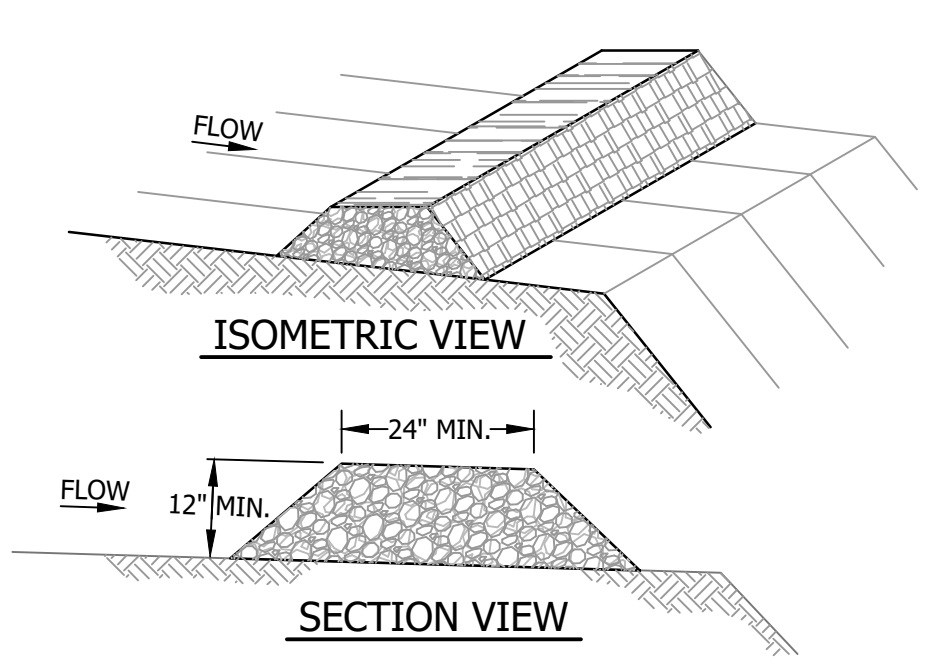
SEDIMENT FENCE POCKET
 NO SCALE

**CONSTRUCTION NOTES
 FOR SEDIMENT FENCE**

1. WOVEN WIRE FENCE, IF REQUIRED, TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24\"/>

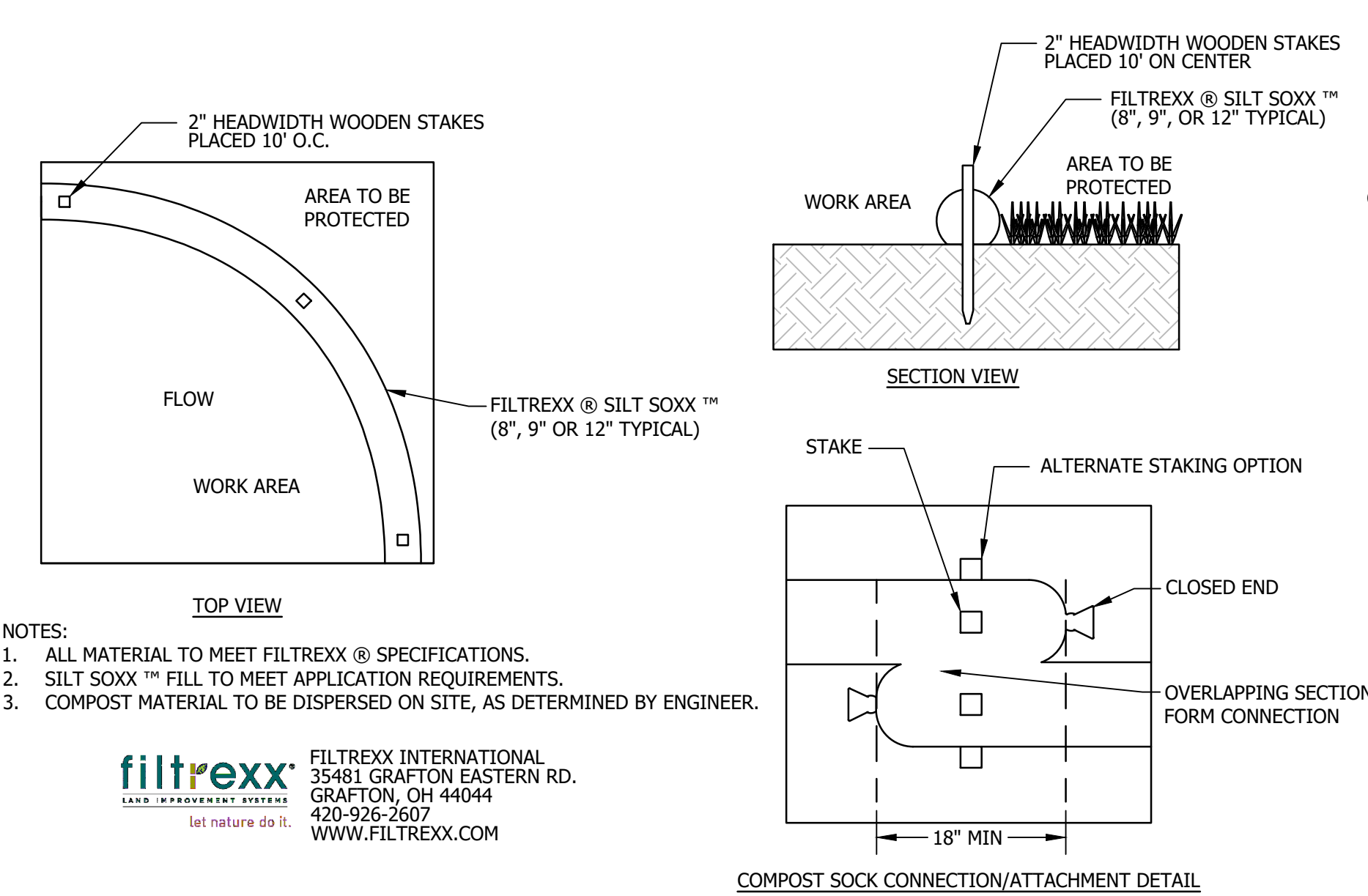


SEDIMENT FENCE
 NO SCALE



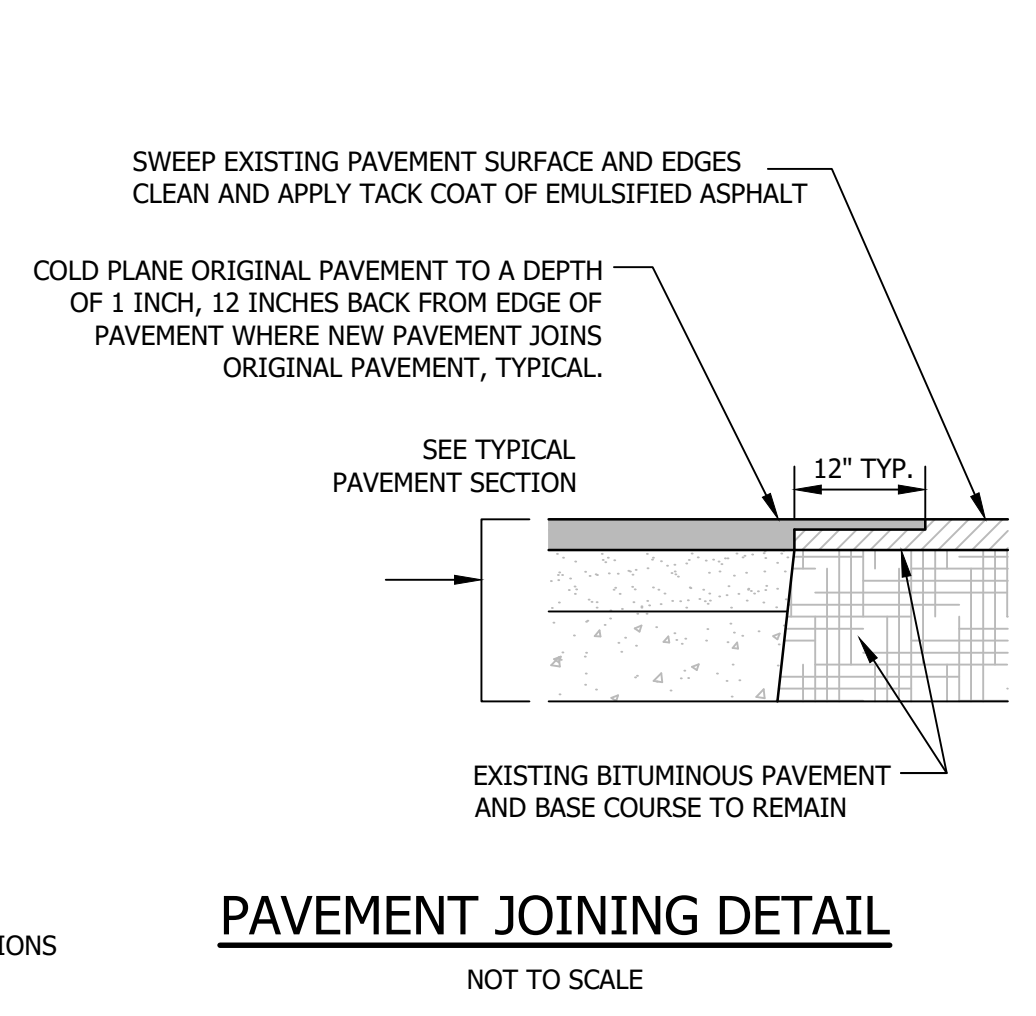
- NOTES**
1. PERVIOUS BERMS SHALL NOT BE USED IN AREAS ON CONCENTRATED STORMWATER FLOW, WETLAND AREAS, BELOW CULVERT OUTLET APRONS, AROUND CATCH BASINS AND CLOSED STORM SYSTEMS, AND AT THE BOTTOM OF STEEP SLOPES THAT ARE >50 FT TOP TO BOTTOM, GREATER THAN 8% OR CONVEY FLOWING WATER.
 2. THE BERM SHALL BE INSTALLED TO FOLLOW THE CONTOUR OF THE LAND AS CLOSELY AS POSSIBLE. IT MAY BE NECESSARY TO CUT, PACK DOWN OR REMOVE TALL GRASSES, BRUSH OR WOODY VEGETATION TO AVOID VOIDS AND BRIDGES THAT MAY ALLOW FINE SOIL PARTICLES TO WASH AWAY.
 3. THE MATERIAL MIX FOR THE BERM SHALL HAVE AN ORGANIC PORTION BETWEEN 50% AND 100%, DRY WEIGHT BASIS, AND BE FIBROUS AND ELONGATED SUCH AS FROM SHREDDED BARK, STUMP GRINDINGS, COMPOSTED BARK, OR EQUIVALENT.
 4. WOOD CHIPS, BARK CHIPS, GROUND CONSTRUCTION DEBRIS, OR REPROCESSED WOOD PRODUCTS SHALL NOT BE USED AS THE ORGANIC MATERIAL.
 5. THE MIX SHALL NOT CONTAIN LARGE PORTIONS OF SILTS, CLAYS OR FINE SANDS.
 6. THE MIX SHALL HAVE A PARTICLE SIZE BY WEIGHT OF 100% PASSING A 6\"/>

EROSION CONTROL MIX (ECM) BERM
 NOT NOT SCALE

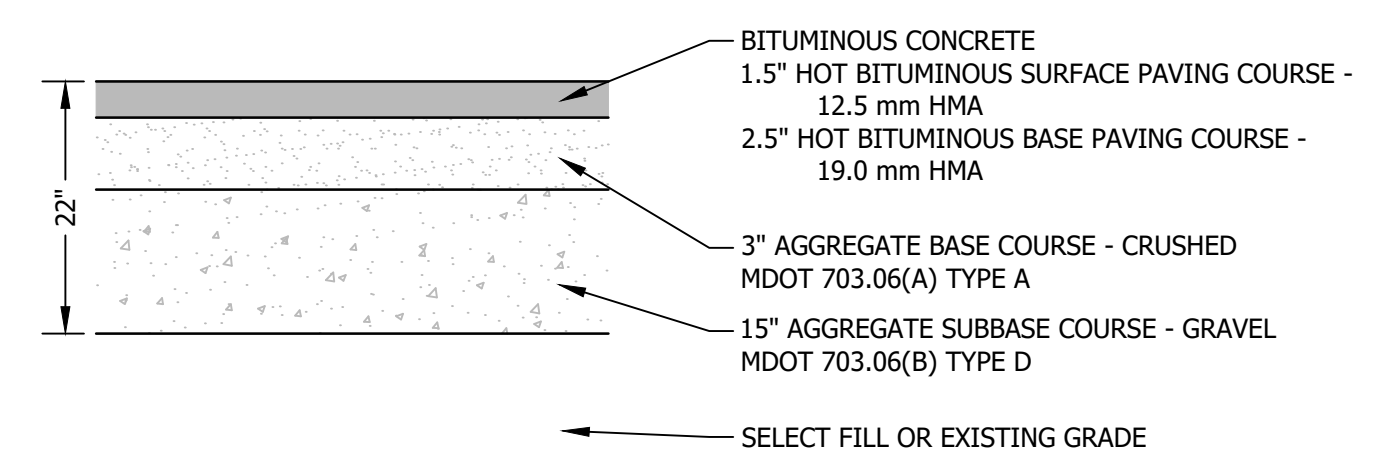


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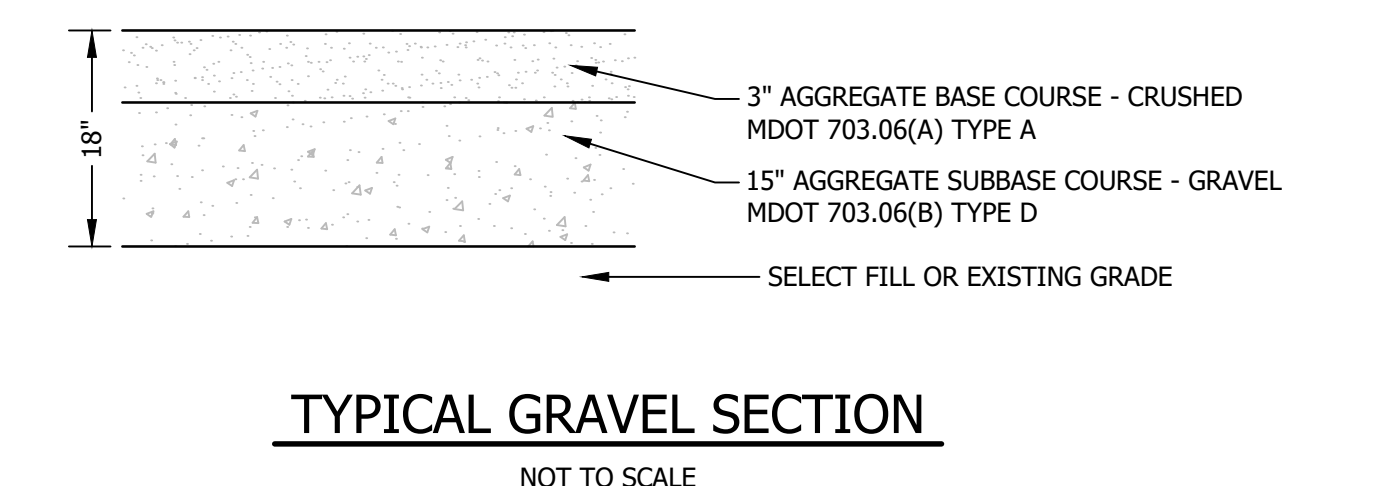
SOURCE: <https://www.filtrex.com/en/resources/design-specs-cads/filtrex-cad-files>
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PAVEMENT JOINING DETAIL
 NOT TO SCALE



TYPICAL PAVEMENT SECTION
 NOT TO SCALE



TYPICAL GRAVEL SECTION
 NOT TO SCALE

NO.	DATE	REVISION DESCRIPTION
1	APRIL 2026	ADDENDUM 1 REVISIONS

PROJECT #:	250184	DATE:	FEBRUARY 2026
MAP-LOT		SURVEYED BY:	HEI
		ENGINEERED BY:	CEW/WAM
		DRAWN BY:	CEW/WAM
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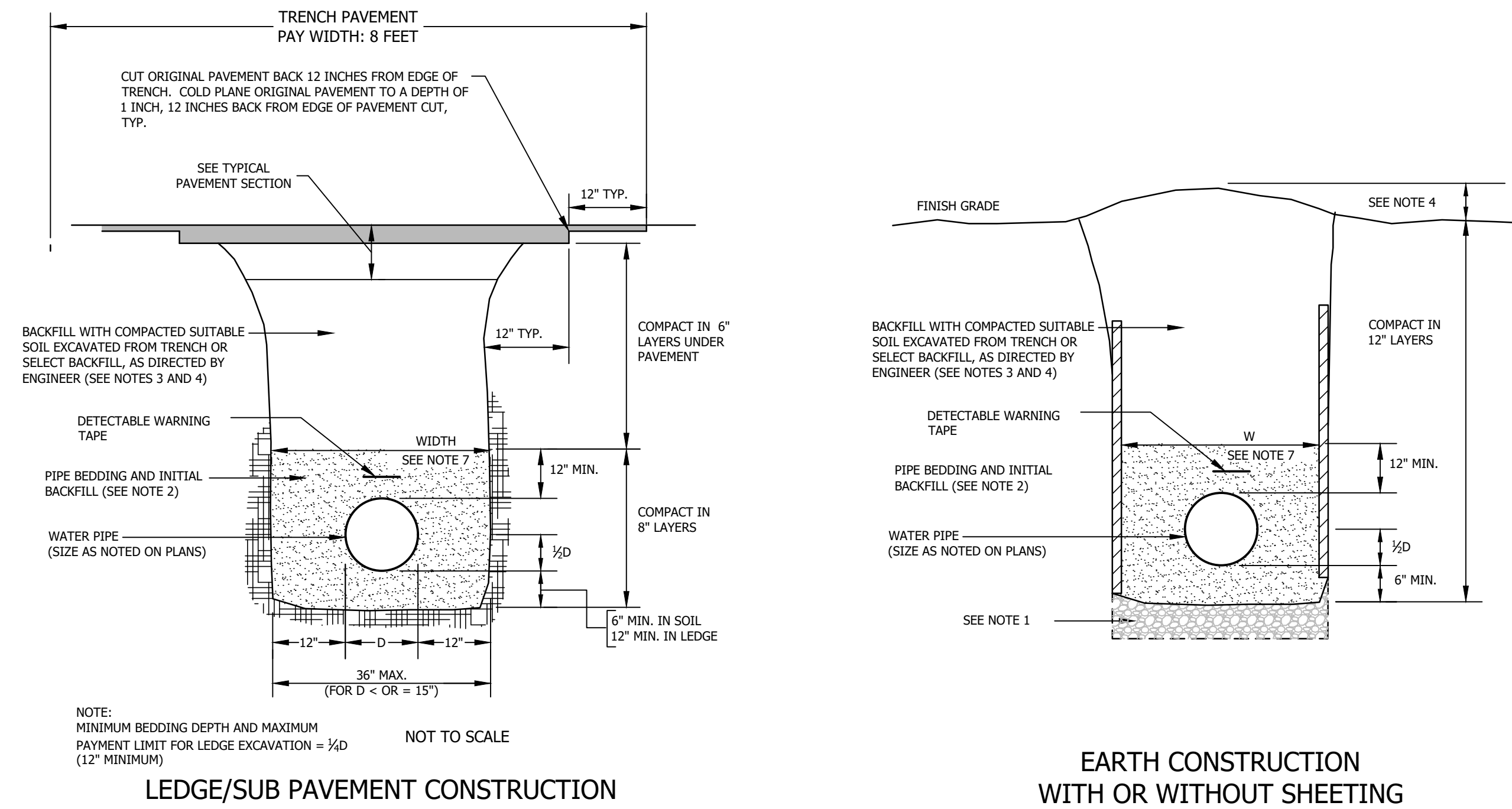
WARDTOWN MOBILE HOME COOPERATIVE
 EAST WATER REPLACEMENT PROJECT
 JEAN ST | CIRCLE DR | KATIE LN | WILL ST
 FREETPORT, MAINE
 EROSION CONTROL DETAILS

BID PLANSET - ADDENDUM 1
 NOT FOR CONSTRUCTION

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STANDARD TRENCH NOTES - WATER

- ORDERED EXCAVATION OF UNSUITABLE MATERIAL** BELOW GRADE SHALL BE REPLACED WITH BEDDING MATERIAL. SEE ALSO NOTE 4.
 - PIPE BEDDING AND INITIAL BACKFILL:** BEDDING AND INITIAL BACKFILL MATERIAL USED FROM BOTTOM OF TRENCH TO 1 FOOT ABOVE TOP OF PIPE SHALL BE WELL-GRADED GRAVEL OR SAND MATERIAL WITH MAXIMUM STONE OR ROCK FRAGMENT SIZE OF TWO INCHES (2"). THIS MATERIAL SHALL MEET THE GRADATION AND MATERIAL REQUIREMENTS OF MAINE DOT SPECIFICATIONS 206.02 CONSTRUCTION METHODS AND 603.04 BEDDING. IN NO CASE SHALL MATERIALS CONTAINING ORGANIC OR VEGETABLE MATTER REFUSE, CINDERS OR SIMILAR FRIBLE MATERIALS BE USED AS BACKFILL. EXCLUDE PIECES OF BITUMINOUS PAVEMENT FROM BACKFILL. **⚠**
 - SELECT BACKFILL:** MATERIAL FOR SELECT BACKFILL ABOVE PIPELINES SHALL MEET THE GRADATION AND MATERIAL REQUIREMENTS OF MAINE DOT SPECIFICATION 703.06 TYPE D SUBBASE GRAVEL WITH MAXIMUM PARTICLE SIZE OF SIX INCHES (6"). MATERIAL SHALL BE BACKFILLED IN MAXIMUM 12" LIFTS, COMPACTED TO 95% OF MAXIMUM DRY DENSITY (ASTM D-1577).
 - SUITABLE MATERIAL:** IN ROADS, ROAD SHOULDERS, WALKWAYS, AND TRAVELED WAYS, SUITABLE MATERIAL FOR TRENCH BACKFILL SHALL BE THE NATURAL MATERIAL EXCAVATED FROM THE TRENCH DURING THE COURSE OF CONSTRUCTION, AFTER EXCLUDING DEBRIS, PIECES OF PAVEMENT, ORGANIC MATTER, TOP SOIL, WET OR SOFT MUCK, PEAT OR CLAY, EXCAVATED LEDGE MATERIAL, AND ALL ROCKS OVER SIX INCHES IN LARGEST DIMENSION, OR ANY MATERIAL NOT APPROVED BY THE ENGINEER.
- TRENCH BACKFILL IN CROSS-COUNTRY LOCATIONS SHALL BE SUITABLE MATERIAL AS DESCRIBED ABOVE, EXCEPT THAT TOP SOIL, LOAM, MUCK, OR PEAT MAY BE USED PROVIDED THAT THE COMPLETED CONSTRUCTION WILL BE STABLE AND ACCESS TO THE PIPE FOR MAINTENANCE AND RECONSTRUCTION IS PRESERVED. BACKFILL SHALL BE MOUND TO A HEIGHT OF SIX INCHES ABOVE THE ORIGINAL GROUND SURFACE TO ALLOW FOR FUTURE SETTLEMENT.
- BRACING AND SHEETING:** ALL BRACING AND SHEETING OR OTHER TRENCH PROTECTION TO BE PROVIDED TO MEET APPLICABLE STATE AND O.S.H.A SAFETY STANDARDS. ALL SUCH TRENCH PROTECTION TO BE THE RESPONSIBILITY OF THE CONTRACTOR.
 - TRENCH DIMENSIONS:** W = MAXIMUM ALLOWABLE TRENCH WIDTH MEASURED 12 INCHES ABOVE THE PIPE. FOR PIPES 15 INCHES NOMINAL DIAMETER (D) OR LESS, W SHALL BE NO MORE THAN 36 INCHES; FOR PIPES GREATER THAN 15 INCHES NOMINAL DIAMETER, W SHALL BE 24 INCHES PLUS THE PIPE OUTSIDE DIAMETER. W SHALL ALSO BE THE PAYMENT WIDTH FOR LEDGE EXCAVATION AND FOR ORDERED EXCAVATION BELOW GRADE. THE MAXIMUM ALLOWABLE TRENCH PAVEMENT PAYMENT WIDTH SHALL BE 8 FEET CENTERED OVER PIPE.
 - WATER/SEWER SEPARATION:** WATER MAINS SHALL BE SEPARATED FROM SANITARY SEWER BY A MINIMUM OF 10 FEET HORIZONTALLY AND A MINIMUM OF 18 INCHES VERTICALLY, WITH THE WATER MAIN ABOVE THE SEWER.
 - PIPE COVER:** COVER OVER WATER SHALL BE 5 FEET MINIMUM IN ALL LOCATIONS. **⚠**
 - CLAY TRENCH DAMS:** CLAY TRENCH DAMS SHALL BE INSTALLED IN THE BACKFILL AT LEAST EVERY 100 FEET ALONG THE TRENCH WHERE THE SURFACE GRADIENT IS GREATER THAN 3%.

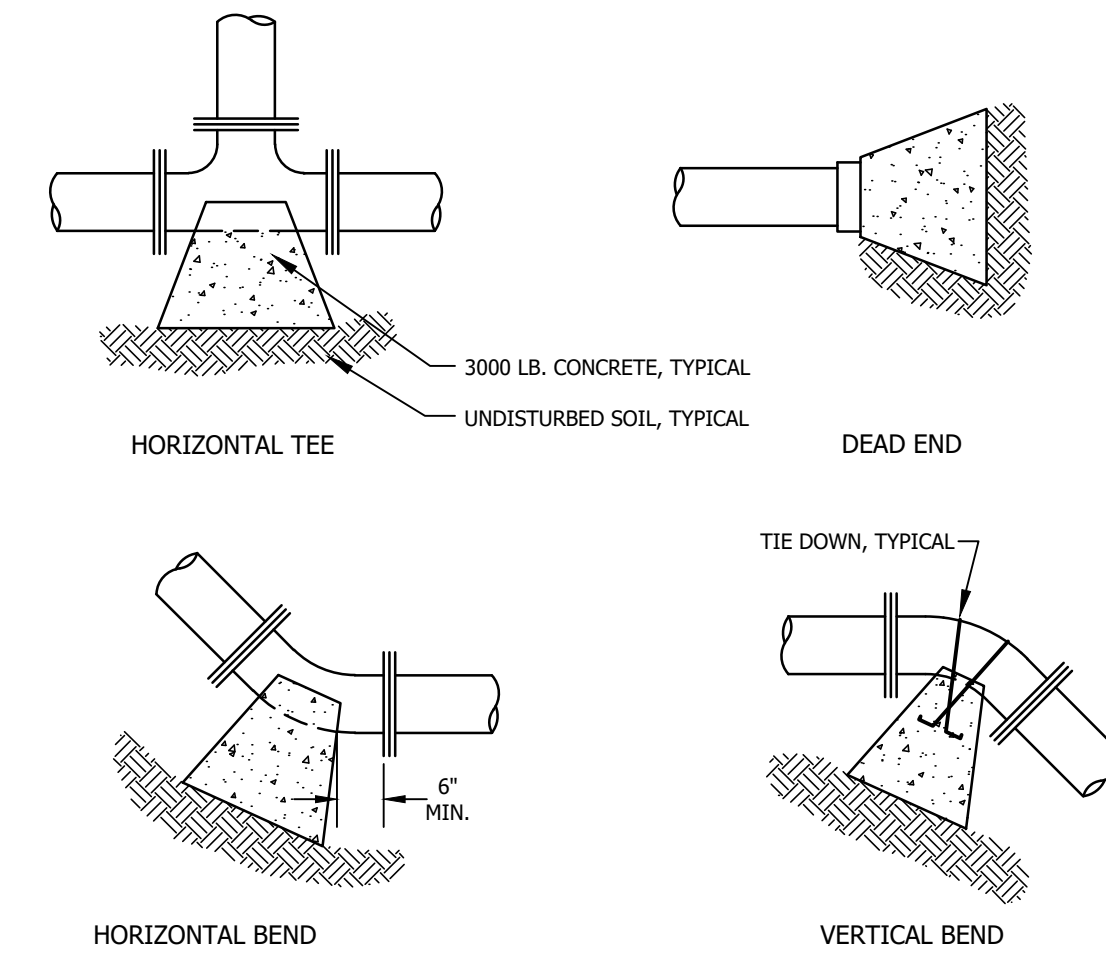


NOTE: TO DETERMINE THRUST AT PRESSURES OTHER THAN 100 PSI, MULTIPLY THE THRUST OBTAINED IN THE TABLE BY THE RATIO OF THE PRESSURE TO 100. FOR EXAMPLE, THE THRUST ON A 12 INCH, 90° BEND AT 125 PSI IS: $19,353 \times 1.25 = 24,191$ POUNDS

TO DETERMINE THE SIZE OF A CONCRETE THRUST BLOCK, DIVIDE THE TOTAL FORCE BY THE BEARING VALUE OF THE SOIL. THE QUOTIENT WILL BE THE SIZE OF THE BEARING AREA OF THE THRUST BLOCK IN SQUARE FEET. APPROXIMATE VALUES FOR VARIOUS TYPES OF SOIL ARE LISTED BELOW.

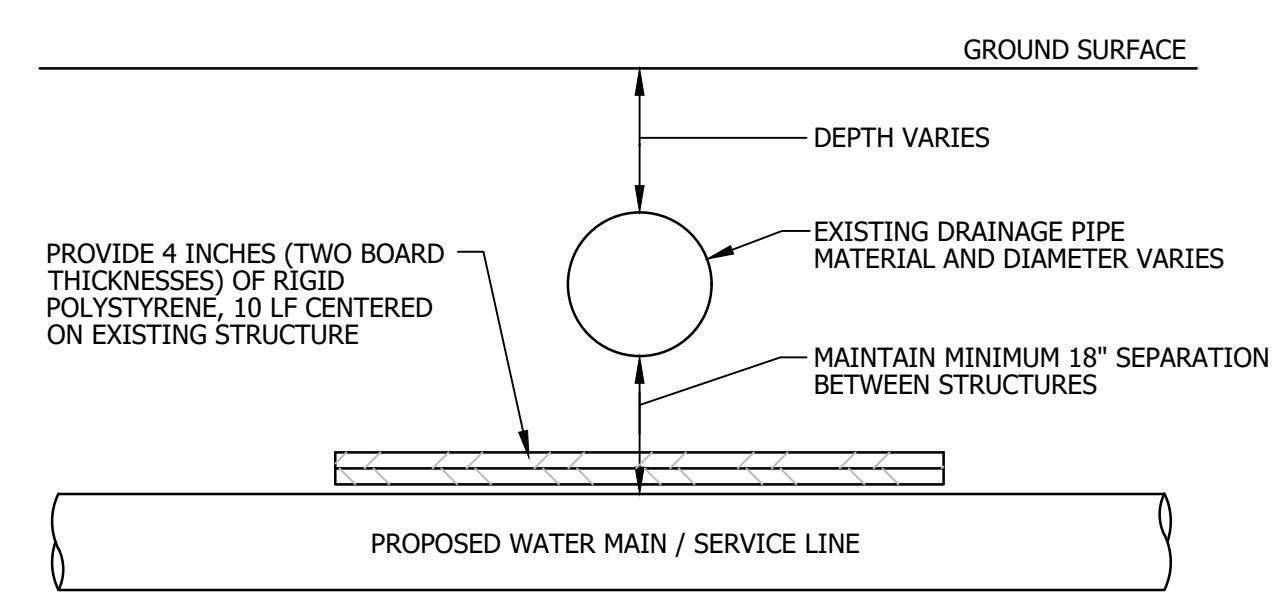
NOMINAL PIPE DIA (INCHES)	TOTAL THRUST (POUNDS)				
	DEAD END	90° BEND	45° BEND	22½° BEND	11¼° BEND
4	1,810	2,559	1,385	706	355
6	3,739	5,288	2,862	1,459	733
8	6,433	9,097	4,923	2,510	1,261
10	9,677	13,685	7,406	3,776	1,897
12	13,685	19,253	10,474	5,340	2,683
14	18,385	26,001	14,072	7,174	3,604
16	23,779	33,628	18,199	9,278	4,661
18	29,865	42,235	22,858	11,653	5,855
20	36,644	51,822	28,046	14,298	7,183
24	52,279	73,934	40,013	20,398	10,249

SOIL	BEARING LOAD (LBS./SQ. FT.)
MUCK	0
SOFT CLAY	1,000
SILT	1,500
SANDY SILT	3,000
SAND	4,000
SANDY CLAY	6,000

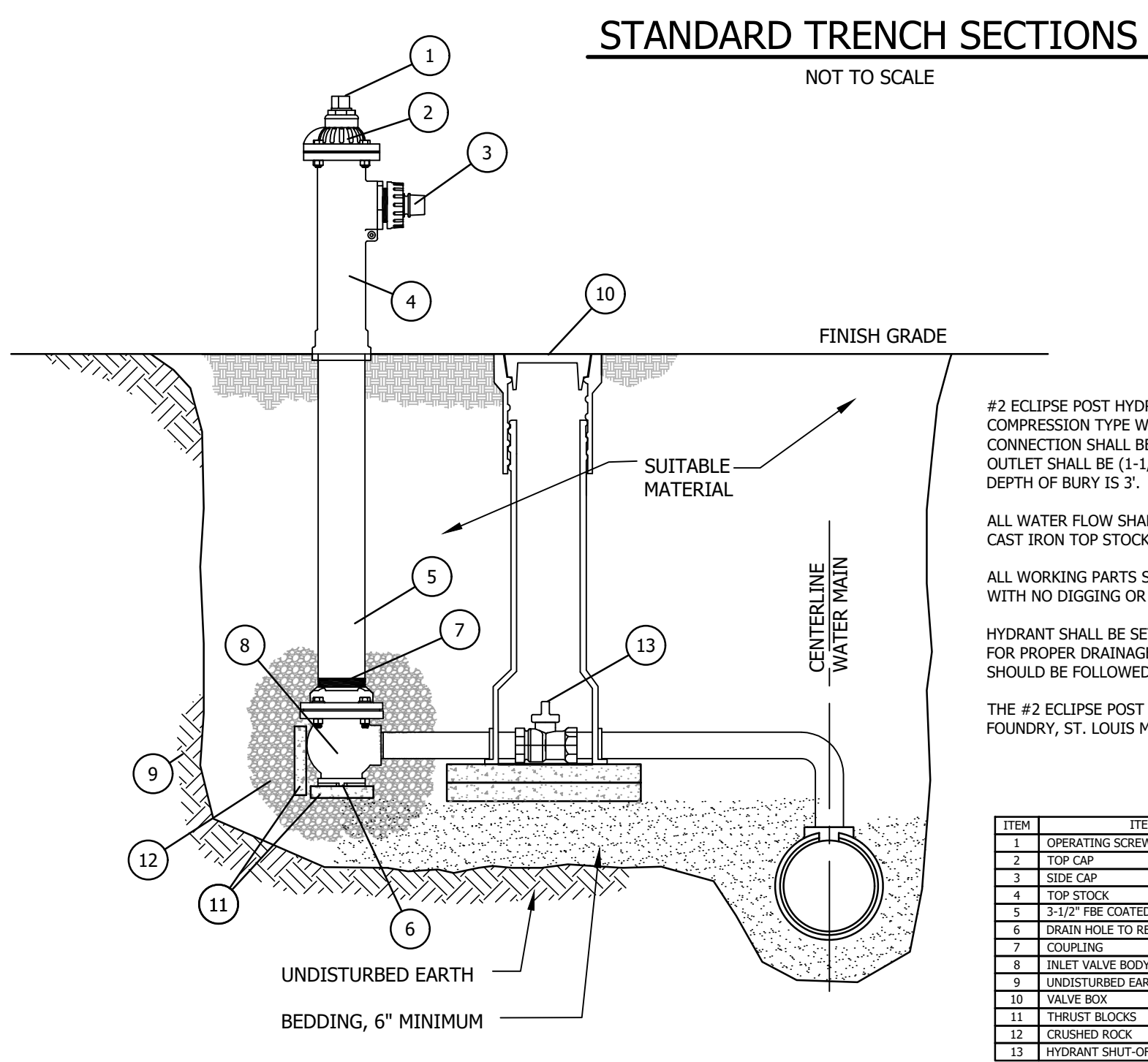


DRAINAGE CROSSING NOTES

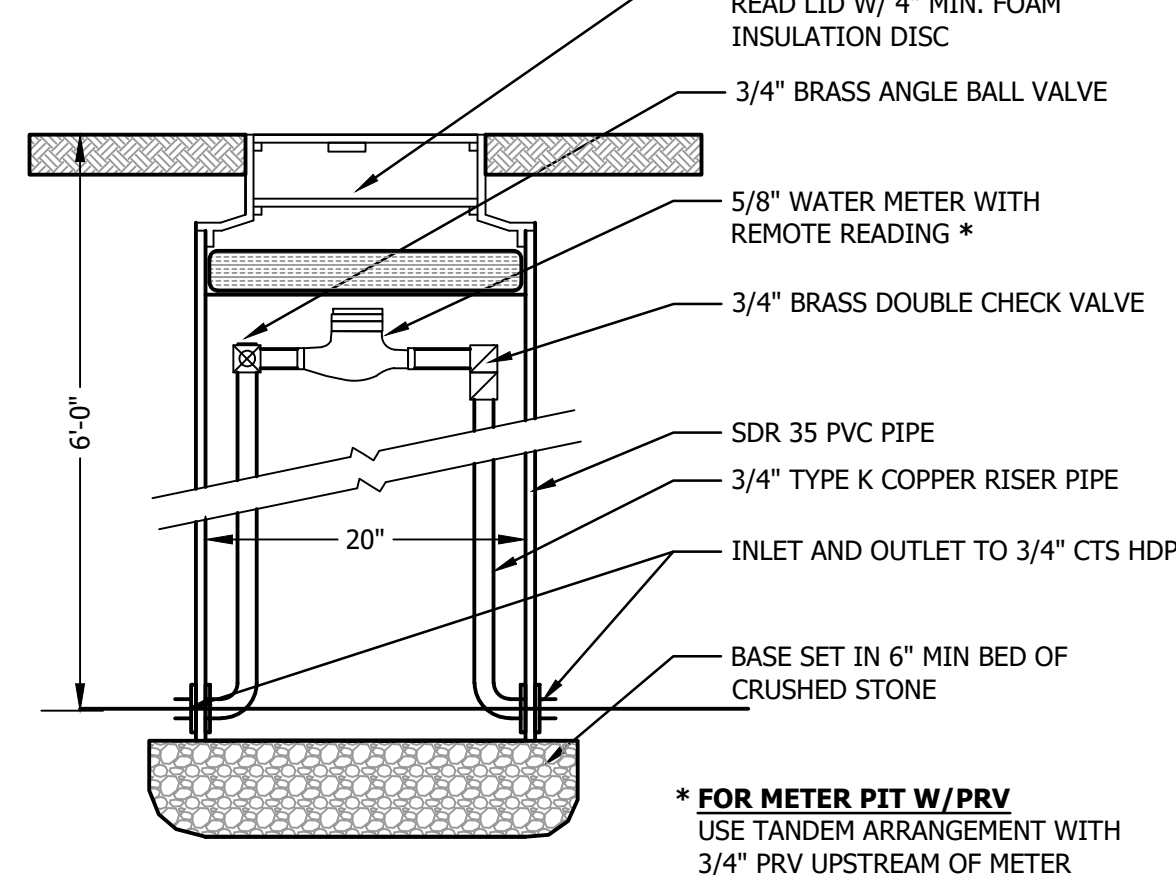
- INSULATION THICKNESS AT DRAINAGE CROSSINGS SHALL BE 4 INCHES (TWO BOARD THICKNESS OF RIGID POLYSTYRENE) UNLESS DIRECTED OTHERWISE IN FIELD. THE CONTRACTOR SHALL NOTIFY TOWN AT LEAST 24 HOURS IN ADVANCE OF ANY CROSSING OF ANY DRAINAGE STRUCTURE.
- MINIMUM SEPARATION BETWEEN EXISTING DRAINAGE STRUCTURES AND NEW WATER MAIN AND APPURTENANCES SHALL BE 18 INCHES.



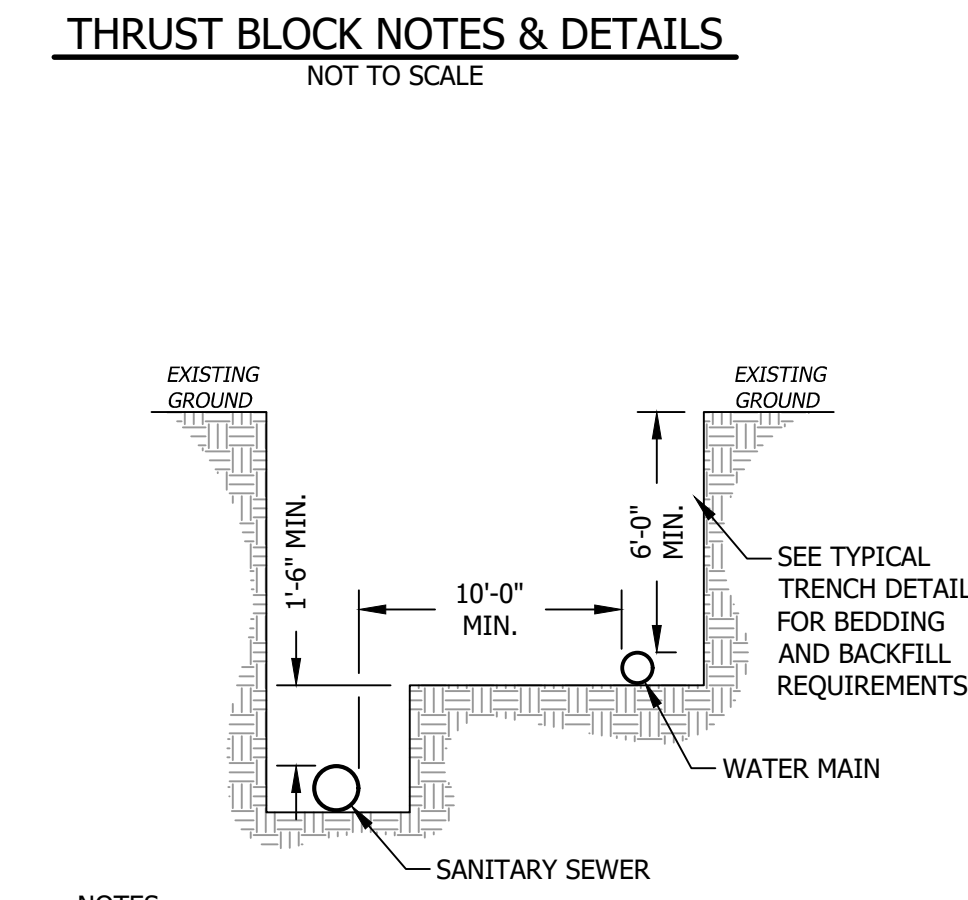
TYPICAL DRAINAGE CROSSING DETAIL
NO SCALE



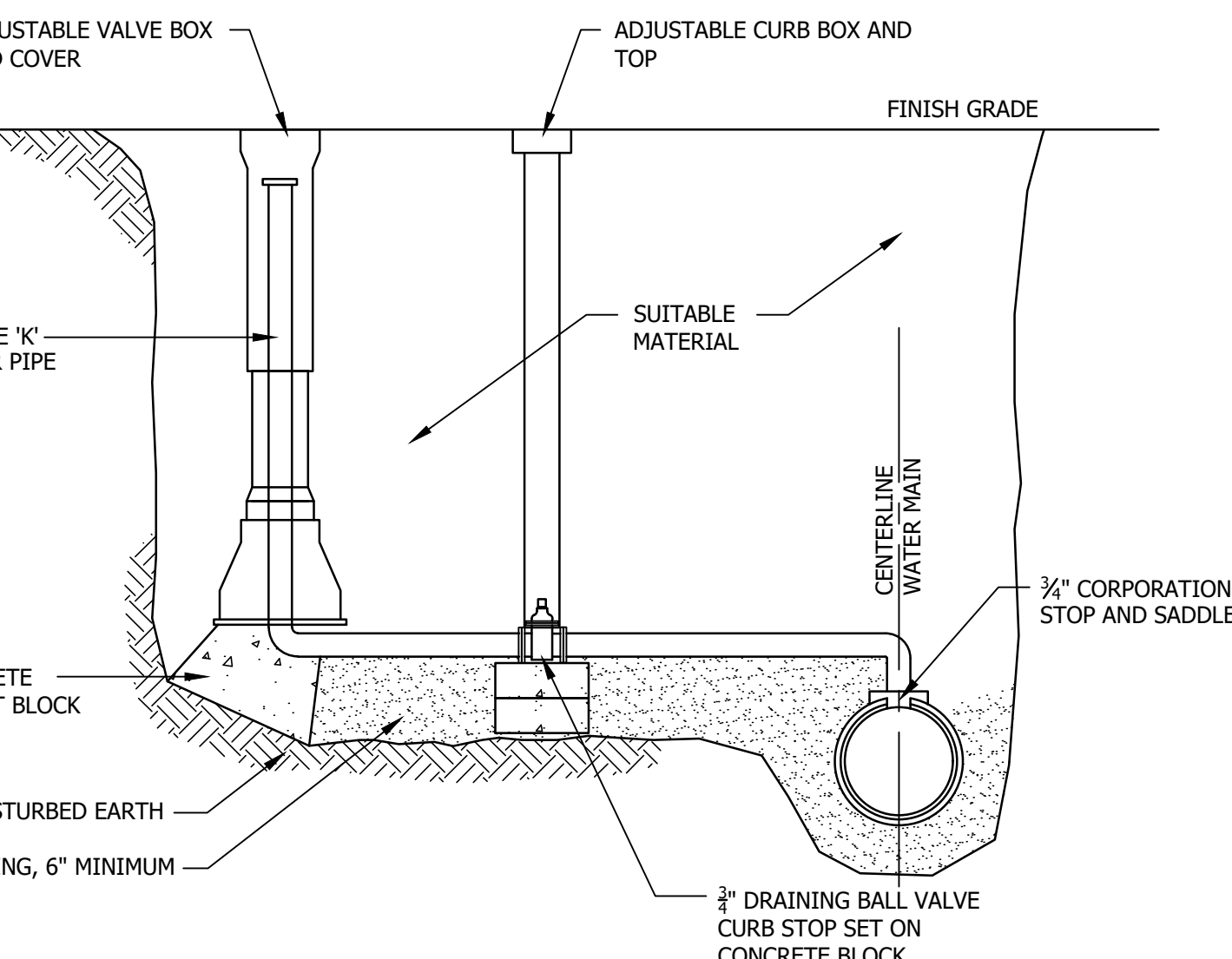
ECLIPSE POST HYDRANT
NOT TO SCALE



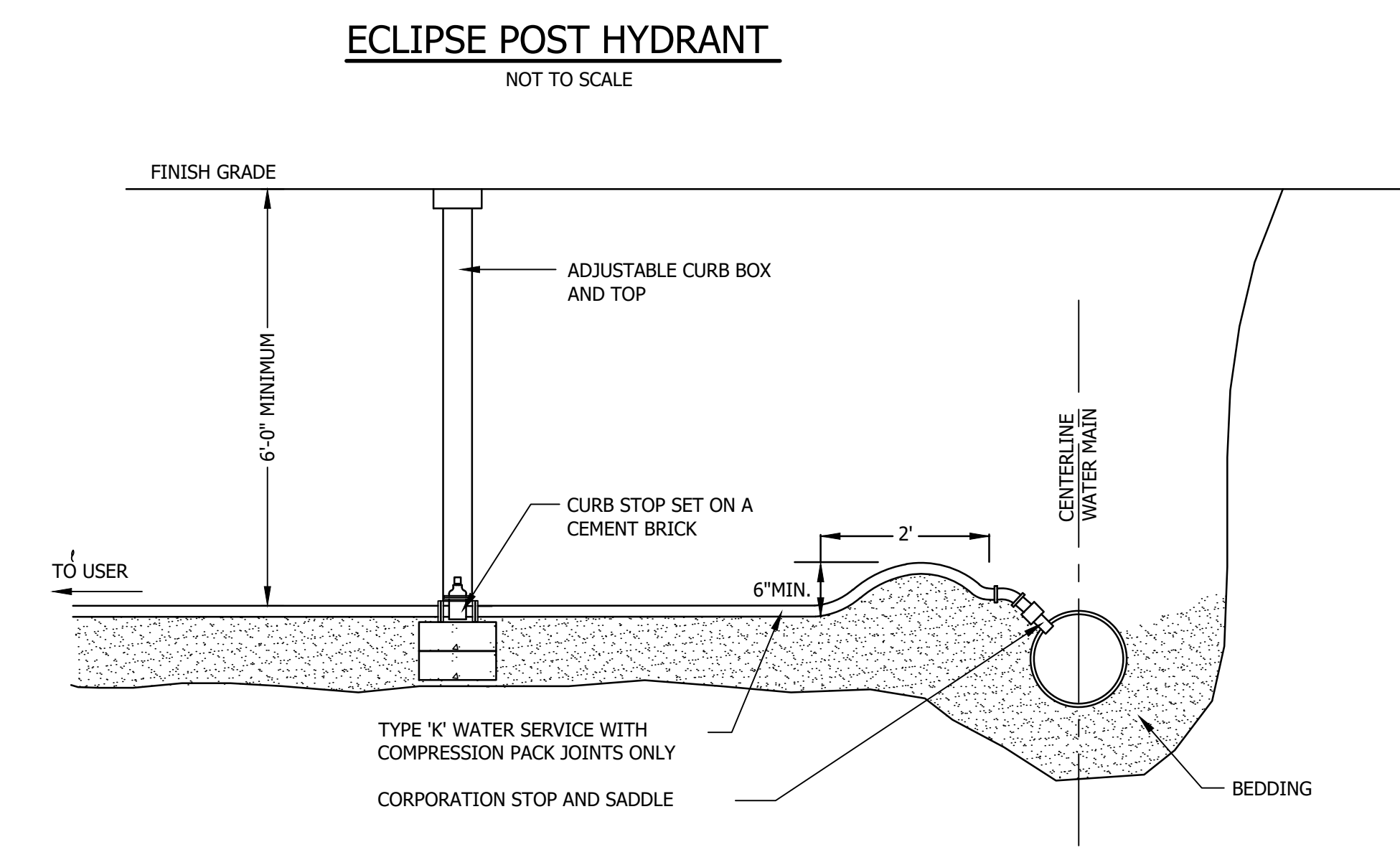
METER PIT DETAIL
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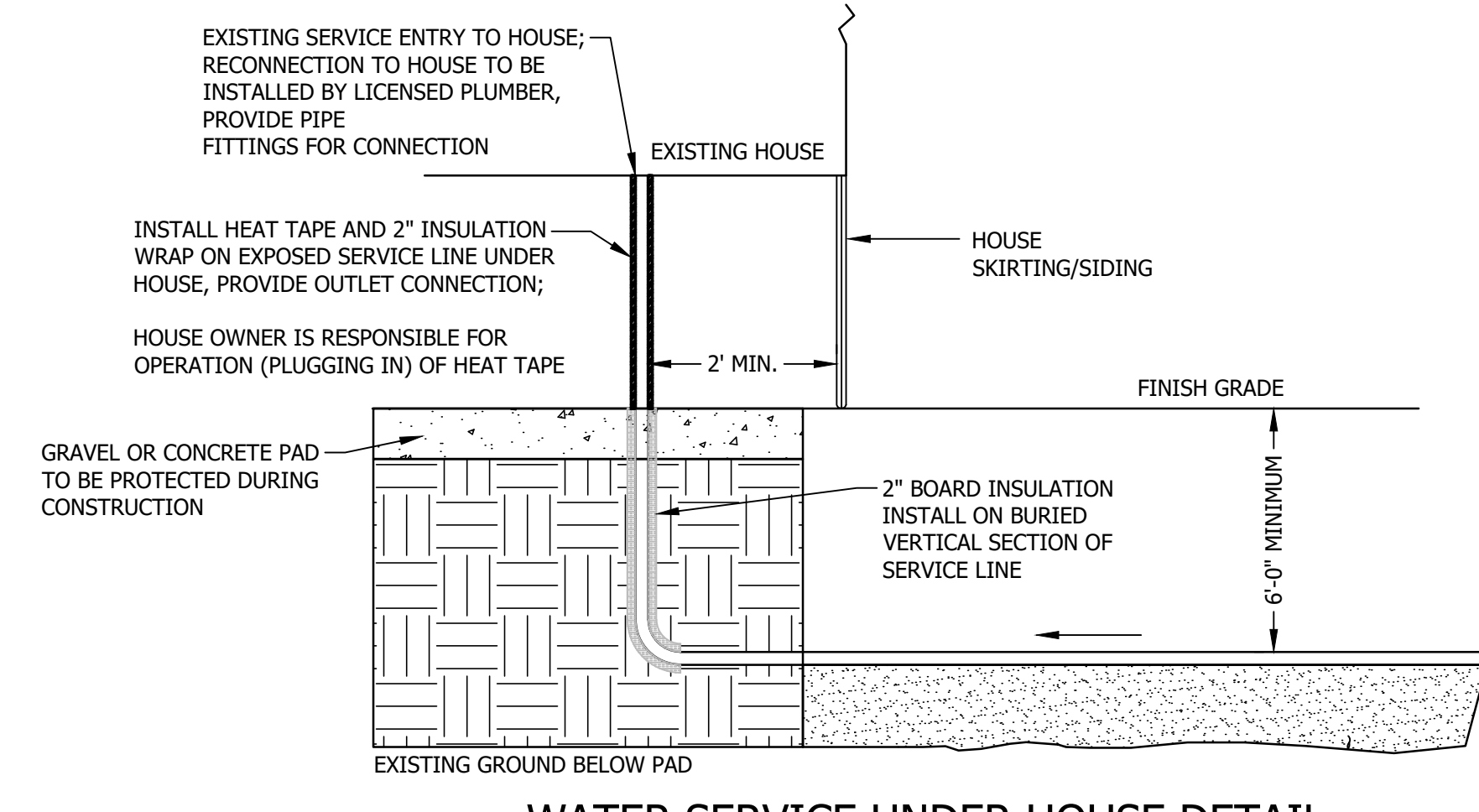
MINIMUM WATER/SEWER PIPE SPACING
NOT TO SCALE



AIR RELEASE DETAIL
NOT TO SCALE



WATER SERVICE CONNECTION
NOT TO SCALE



WATER SERVICE UNDER HOUSE DETAIL

BID PLANSET - ADDENDUM 1
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FREETPORT, MAINE

STANDARD WATER SYSTEM NOTES & DETAILS

SHEET C3.2