

**ADDENDUM NO. 1**  
**May 21, 2026**  
**230693**

RE: **Charter Oaks Village Cooperative**  
**Arundel, ME**  
**Phase 1 Distribution Improvements**

FROM: DuBOIS & KING, INC.  
208 Union Avenue  
Laconia, NH 03246

TO: **Prospective Bidders**

This Addendum forms part of the Contract Documents and modifies the original Bidding Documents issued by the Charter Oaks Village Cooperative, for the Phase 1 Distribution Improvements project dated May 2026. **Acknowledge receipt of this Addendum in the space provided on Page 1 of the Bid Form. Failure to do so will subject the Bidder to disqualification.**

**I. Pre-Bid Meeting**

A Pre-Bid meeting was held at the Charter Oaks Village Cooperative (31 Allen Avenue Arundel, ME) on May 13, 2026 at 10:30am. Attendees are listed on the attached Pre-Bid Meeting Attendance Log. Kailey Collins and Noah Bussiere of DuBois & King, Inc., gave a brief introduction to the project and described key elements. **The following addresses questions received at the pre-bid meeting and through the bid period and provides additional information and clarifications.**

**II. Contract Documents (Plan) Changes**

- New individual services were reconfigured to make it clear that no work is to be done under the home. (Sheet C2)
- A recently replaced septic system was added to the drawings as it is near a test pitting location and a connection point for the water main extension. (Sheets C3, C6)
- AST details were added to the plan set. (Sheet C10)

**III. Contract Documents (Specifications) Changes**

- **Replace** Bid Form C-410 with the attached C-410. Changes include:
  - o The quantity of ASTs to be replaced was updated.
  - o Trench patch was added as an item.
- **Replace** Technical Specification Section 01 1500 Measurement and Payment with the attached revised 01 1500 Measurement and Payment Section. Changes include:
  - o Item 3: Clarification was added that all fittings are to be compression type.

## ADDENDUM NO. 1

May 21, 2026

Page 2 of 9

- Item 4: Clarification was added that all fittings are to be compression type and that tracer wire is included in this item.
- Item 17: Trench Patch was added as an item and all subsequent items were renumbered.

### IV. Questions and Answers

1. Question: I see this project has a water storage tank component. Is this tank something that requires coatings/linings, or is it glass fused to steel?
  - a. Answer: **There are no water storage tank improvements as part of this project. There are above-ground fuel oil storage tanks, however the question about coatings/linings and materials should not apply.**
2. Question: Are the test pits the responsibility of the engineer or the contractor? When should these be performed?
  - a. Answer: **Yes, the exploratory test pits are the responsibility of the contractor and should be preformed prior to full mobilization to the site.**
3. Question: For the test pits marked on the plans, is the contractor digging those or drilling them?
  - a. Answer: **Digging.**
4. Question: While digging, are there existing gate valves available to shut the lines off in case of an emergency?
  - a. Answer: **Previous plans by RCAP show two (2) gate valves which are reflected on our drawings. One (1) is shown between #9 and #11 on the north side of Linda Ave. where the water main supposedly crosses the road. The other is shown southwest of Well #1 (small pump house). Previous plans by Horizons Engineering indicate the existing valve(s) on Linda Ave. do not work.**
5. Question: What type of pipe is the existing water main and services? What depth is the existing pipe buried to? When was the existing water line installed, and are there any known depths or tracer wires for it? When was the existing water line installed, and are there any known depths or tracer wires for it?
  - a. Answer: **The Existing Infrastructure Evaluation completed by Horizons Engineering in April of 2019 states that the existing water main was installed in 2004 and consists of 2" polyethylene with brass fittings. The depth was reported to be between 2-6 feet due to ledge. Polystyrene insulation board has been used in shallow areas. There is no known tracer wire.**
6. Question: Have any exploratory digs been done yet to find the water lines?
  - a. Answer: **D&K has not conducted any subsurface investigation to locate the existing utilities.**

## ADDENDUM NO. 1

May 21, 2026

Page 3 of 9

7. Question: Are the existing water lines CTS (Copper Tube Size) plastic, and will connections require a saddle, or will they be fused?
  - a. Answer: **The Existing Infrastructure Evaluation completed by Horizons Engineering in April of 2019 states that the existing water main was installed in 2004 and consists of 2" polyethylene with brass fittings. Saddle or fusion is acceptable. Fusion will require approval of a submittal by the Engineer. Fusion to be paid for in lieu of saddle at saddle unit price.**
  
8. Question: Are there only 5 corporation stops? Isn't there supposed to be a corporation stop for all houses? Is there an existing corporation stop for every unit already in place, or just a shared line?
  - a. Answer: **The proposed project includes installation of new curb stop for each home. The new corporation stops are only for the new services (2 stubs to empty lots, 3 homes that previously shared connections). The goal is to reduce the number of new penetrations in the existing main. Where the existing homes are served by a shared service, we believe there is a single corporation that is intended to be reused for one of the new independent service lines.**
  
9. Question: What type of pipe is currently coming out of the pump house, and is there any above-ground pipe available to look at without digging?
  - a. Answer: **Below is a photograph of the black polyethylene pipe, bushing and PVC pipe. No piping has been observed coming out of the pump house.**



## ADDENDUM NO. 1

May 21, 2026

Page 4 of 9

10. Question: Do you want tracer wire installed on all of the hookups to the homes, or just on the new mainline? Where is tracer wire required?
  - a. **Answer: Tracer wire should be installed on the new main and all service lines. The cost should be included in Item 3, Water Main and Item 4, Water Service Lines. See Typical Trench Detail on Sheet C7.**
  
11. Question: What type and size tanks are specified? Can we provide a detail and/or pictures of the cover, concrete pad, and tank? Are the new tanks double-wall, 275-gallon capacity units? Do you have a unit (like a Roth tank) already onsite to look at, or can you provide a photo/spec of the required structures?
  - a. **Answer: A double-walled, 275-gallon above ground fuel oil storage tank. We have added details as Sheet C10. The standard is Roth DWT 1000L with cover or approved equal. Tanks shall be fully covered by a sturdy, well-constructed roof that meets or exceeds building code requirements for snow load and is constructed out of non-combustible materials. Tanks are to be installed on a 4-inch concrete pad at least 10% larger than the dimensions of the tank.**
  
12. Question: There is no line item for pavement? Is this the restoration of surfaces (which is lump sum)? Can we add a line item for pavement as tonnage price? Why is there no specific line item on the bid form for pavement or the restoration of surfaces?
  - a. **Answer: A new item, Trench Patch, has been added to capture restoring the roadway and paved driveways. This item will be paid by linear foot.**
  
13. Question: Are compression fittings on the tie ins required? Will all the new tie-ins use compression fittings?
  - a. **Answer: Yes, compression fittings are required and should be used for all new tie-ins.**
  
14. Question: Is there a specified lay-down area for equipment and materials, if so where?
  - a. **Answer 8: There is a driveway just opposite the Office building that dead ends with some RV/boat storage. The Board suggested this could be a good place to park an excavator. It is ok to block in the vehicles and the shed. Additionally, taking over some of the guest parking, (but not directly in front of the office) is ok, and that could be a good place for a temporary trailer if needed.**
  
15. Question: When can construction start?
  - a. **Answer: After the project is awarded to a successful bidder and Notice to Proceed is granted by Charter Oaks. The Board intends to meet to review the Bids and select a successful bidder the night of June 10<sup>th</sup>.**
  
16. Question: Does the park have an expectation of when construction will be completed?
  - a. **Answer 10: As stated in the bid documents, substantial completion shall occur by December 1, 2026.**

## ADDENDUM NO. 1

May 21, 2026

Page 5 of 9

17. Question: What is the Engineer's cost estimate for the project?
- a. Answer: **The project is expected to be between \$350,000 and \$750,000.**
18. Question: Can you add a line item for ledge because there is one for rock removal?
- a. Answer: **Ledge and rock removal are intended to be the same line item, please refer to Item 16 in the Measurement & Payment technical specification section (01 1500). Boulders/rocks removed under the two (2) cubic yard threshold shall be paid for under Item 13, Removal of Unsuitable Materials.**
19. Question: What is the method for hydrating and watering the new grass seed? Can the contractor use the residents' drinking water (hose bibs) for irrigation, or do they need a water truck?
- a. Answer: **As specified in Topsoil & Seeding (32 9219) work shall be warrantied for 1 year from substantial completion or from the date when the Owner determines that the Contractor has established a good, vigorous and heathy stand of grass of uniform color and density, whichever date is later. The means and methods for establishing this growth are up to the Contractor. It is recommended that the temporary tap be utilized rather than a resident's hose bib. Any damage to resident's private property will be the responsibility of the Contractor and not eligible for payment under this Contract.**
20. Question: Do we have to hydroseed everything?
- a. Answer: **Means and methods are up to the contractor. It is expected that all disturbed surfaces are restored and stabilized at the completion of construction prior to demobilization. Work shall be warrantied for 1 year from substantial completion or from the date when the Owner determines that the Contractor has established a good, vigorous and heathy stand of grass of uniform color and density, whichever date is later. The Board would encourage hydroseeding in order to minimize the use of water.**
21. Question: Can turf be put down instead of seed?
- a. Answer: **Yes. Means and methods are up to the contractor. It is expected that all disturbed surfaces are restored and stabilized at the completion of construction prior to demobilization. Work shall be warrantied for 1 year from substantial completion or from the date when the Owner determines that the Contractor has established a good, vigorous and heathy stand of grass of uniform color and density, whichever date is later.**
22. Question: What will the shoulder consist of? Right now it looks like gravel in most places, but detail calls for loam and seed. What are the expectations for restoring the shoulder of the road? Does it need to be seeded even if it isn't grass now?
- a. Answer: **It is expected that all disturbed surfaces are restored and stabilized at the completion of construction prior to demobilization.**

## ADDENDUM NO. 1

May 21, 2026

Page 6 of 9

**Where the existing shoulder is gravel, it can be restored as gravel shoulder. This shall be paid for under Item 17, Surface Restoration.**

23. Question: What are the expectations on grass/ can they seed it and then come back again in the spring or do they have to continually come in to water it?
- a. Answer: **As specified in Topsoil & Seeding (32 9219) work shall be warrantied for 1 year from substantial completion or from the date when the Owner determines that the Contractor has established a good, vigorous and heathy stand of grass of uniform color and density, whichever date is later. The means and methods for establishing this growth are up to the Contractor.**
24. Question: Do they have a landscaper who maintains the common areas?
- a. Answer: **Common area landscaping is self-performed by community members.**
25. Question: Can a temporary tap and port for new line to irrigate on a timer be used? Will the cooperative allow the contractor to use the new temporary tap and port to irrigate the seed on a timer?
- a. Answer: **The Board agreed to temporarily waive the mechanical sprinkler prohibition and restricted watering hours (6:00 AM – 8:00 AM) to allow the contractor to run a timed sprinkler from the temporary sample port to establish the new loam and seed with the exception of if the area is in a serious drought and the well is running low. The Board requested to revisit this when the time comes.**
26. Question: Is the contractor required to just pressure testing the part of the main that the installed?
- a. Answer: **Correct, only the newly-installed section of main is required to be pressure tested.**
27. Question: Does the community have a designated plumber? Is there already a designated, licensed Maine master plumber assigned to the park if plumbing repairs are needed under the homes?
- a. Answer: **The HOA does not have a designated licensed plumber for the park. Any plumbing issues or repairs that occur under or inside the individual mobile home units remain strictly the financial and structural responsibility of the homeowner and are not included in the scope of this project. The project limits terminate a few feet off the edge of each unit. Extenuating circumstances will be considered by the Board on a case by case basis and could be addressed by Change Order.**
28. Question: What is the plan for temporary water? How long can they shut water down without running temporary water? How many hours can the water be shut down before it triggers a mandatory boil-water order?

## ADDENDUM NO. 1

May 21, 2026

Page 7 of 9

- a. **Answer:** Temporary water service is require when water service will be shut down for longer than 8 hours. Written notices to all affected property owners are required a minimum of 24-hours prior to any disruption of water service. Technical Specification Section 02 7100 Temporary Potable Water Supply Services details the requirements for temporary water. The Water Operator, Water Quality & Compliance (207-844-4762), should be contacted prior to any shut down. The Water Operator will determine if the duration requires a boil-water order.
29. **Question:** Is the contractor responsible for water testing or will the water operator perform the testing? Are the contractors responsible for taking water samples, and is there a designated water quality lab assigned to this complex (e.g., Nelson, A&L, Maine Coast)?
- a. **Answer:** Yes, the contractor is responsible for water testing. The cost should be included in Item 3, Water Main. There is no designated water lab assigned to the community. A Maine-accredited laboratory shall be used.
30. **Question:** Who has authority to shut the water off? Can contractor shut off water in case of emergency break or hit of the line? Will the water operator be on site through the duration of the project. Do the contractors have the authority to shut the water off themselves if they accidentally nick a line?
- a. **Answer:** Mike Harvey is replacing Carl Helsel as the community's water operator. He will not be available on-site 24/7, therefore the Board approved temporarily authorizing the contractor, under direct coordination and training from the operator, to execute and immediate water system shutdown if an unexpected main line leak or utility strike occurs during excavation. This will be further discussed with the Water Operator prior to the start of construction.
31. **Question:** Can they make the road a two-way instead of one way if they have to shut down one of the roads. How should we handle traffic if we have to shut down the road?
- a. **Answer:** The Board is concerned that vehicles may drive into yards where septic systems have been constructed close to the road. The Board agreed to on an "as needed basis" and commented that the use of flaggers is encouraged. Good signage and cones protecting yards will be essential. Flaggers and/or appropriate signage should be used if a section of the roadway is closed or where traffic patterns are modified. The cost should be included in Item 19, Maintenance of Traffic.
32. **Question:** Can/will residents be informed to not come on job site or interact with construction crew?
- a. **Answer:** The Board will be forthcoming and educate residents on expected work. Ann Lantagne (Board member) will be the designated contact for residents to communicate with regarding work. The Board

## ADDENDUM NO. 1

May 21, 2026

Page 8 of 9

**intends to share information about the project door-to-door and the Annual Meeting is planned for June 20<sup>th</sup>. The Board will provide residents with weekly updates. Community members will be informed about the non-interference policy, the need to move personal property out of their yards, and the importance of safety and particularly supervising children. Ann, and all the Board members, are very willing to enforce the rules if they see/hear about a violation during construction.**

33. Question: Is fuel transfer from old tanks to new tanks allowed?  
a. Answer: **Yes, it is recommended that this is done very carefully and that only clean oil is transferred to the new tank.**
34. Question: Is the contractor responsible for removing old fuel tanks?  
a. Answer: **Yes. Removal and disposal is the responsibility of the contractor. Item 12, Replace Above-ground Fuel Oil Tanks, includes the disconnection and disposal of the removed tanks. It should be noted that the community reports #2 heating oil and kerosene in tanks on the property.**
35. Question: Are there any known leaks in the old fuel tanks that are being replaced?  
a. Answer: **We are not aware of any known issues.**
36. Question: Can the engineer share photos of inside the pump house?  
a. Answer:  
i. Existing Conditions  
ii. Pump House
37. Question: What materials are the proposed lines and valves?  
a. Answer: **Services are to be blue ¾" CTS SDR-9. Main extension is to be 2" HDPE. Corporation Stops and Curb Stops shall be solid brass or bronze. Gate valves shall be iron body, bronze mounted. See Technical Specification Section 33 1216 for additional materials specifications.**
38. Question: Is there filtration being added to the system  
a. Answer: **No treatment improvements are proposed as part of the Phase 1 Distribution Improvements.**
39. Question: Is this a cistern system, is there a backup if this pump goes out?  
a. Answer: **No, there are currently no provisions for water storage within the system.**
40. Question: Where would the cooperative like the porta-johns placed for the construction crews?  
a. Answer: **The Board approved placing the porta-johns next to the small wellhouse building across from the main water treatment building.**

**ADDENDUM NO. 1**

May 21, 2026

Page 9 of 9

**V. Attachments**

1. C-410
2. Section 01 1500 Measurement and Payment
3. Drawing set, 13 sheets dated May 21, 2026
4. Attendance list from pre-bid site walk

**This document constitutes Addendum 1 for this project.**

# 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 Bids being considered for the Phase 1 Distribution System Improvements
- 1.02 This Bid for the **Phase 1 Distribution System Improvements for Charter Oaks Village Cooperative (Owner)** is submitted to: **Charter Oaks Village Cooperative received at DuBois & King, 208 Union Avenue Laconia, NH 03246**
- 1.03 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; and
  - E. Required Bidder Qualification Statement with supporting data.
  - F. Schedule of Bid Items – Unit Pricing (Section 3.03)

## ARTICLE 3—BASIS OF BID—UNIT PRICE

- 3.01 *Unit Price Bids*
  - A. Bidder will complete the Work in accordance with the Contract Documents for the following Unit Price (stipulated) price(s), together with any Unit Prices indicated in Paragraph 3.02:
  - 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.

|  |             |
|--|-------------|
| Inspection & Testing Allowance                         | \$5,000.00  |
| Hazardous Materials Abatement Allowance                | \$5,000.00  |
| Sheds/Fence/Skirting Removal and Replacement Allowance | \$10,000.00 |
| Vegetation Removal Allowance                           | \$7,500.00  |
| Post-Construction Home Repairs Allowance               | \$7,500.00  |
| Total for all Cash Allowances                          | \$35,000.00 |

3.02 *Total Bid Price (Unit Price Total with All Allowances)*

|   |    |
|---|----|
| Total Bid Price (Total of all Allowances and Unit Price Bids) | \$ |
|---|----|

3.03 *Unit Price Bid*

A. *This schedule of bid items will constitute the work on the attached plans and specifications. This work includes but is not limited to the following items:*

| Item No. | Description                        | Unit | Qty | Unit Cost | Cost     |
|----------|------------------------------------|------|-----|-----------|----------|
| 1.       | Mobilization/Demobilization        | 10%  | 1   |           |          |
| 2.       | Test Pitting                       | LS   | 1   |           |          |
| 3.       | 2" Water Main HDPE                 | LF   | 250 |           |          |
| 4.       | 3/4" PE Service Line               | LF   | 450 |           |          |
| 5.       | Curb Stop                          | EA   | 43  |           |          |
| 6.       | Corporation Stop                   | EA   | 5   |           |          |
| 7.       | 2" Flushing Hydrant                | EA   | 3   |           |          |
| 8.       | Capped Service Stub with Stake     | EA   | 2   |           |          |
| 9.       | 3/4" Sample Port (Temporary)       | EA   | 1   |           |          |
| 10.      | 2" with 3/4" Service Saddle        | EA   | 5   |           |          |
| 11.      | 2" Ball Valve W/ Box and Cover     | EA   | 8   |           |          |
| 12.      | Replace Aboveground Fuel Oil Tanks | EA   | 8   |           |          |
| 13.      | Removal of Unsuitable Materials    | CY   | 100 |           |          |
| 14.      | Miscellaneous Earth Excavation     | CY   | 30  |           |          |
| 15.      | Clearing and Grubbing              | LS   | 1   |           |          |
| 16.      | Rock Excavation and Disposal       | CY   | 500 |           |          |
| 17.      | Trench Patch                       | LF   | 45  |           |          |
| 18.      | Surface Restoration                | LS   | 1   |           |          |
| 19.      | Temporary Water                    | LS   | 1   |           |          |
| 20.      | Maintenance of Traffic             | LS   | 1   |           |          |
| 21.      | Erosion Control                    | LS   | 1   |           |          |
| 22.      | Allowances                         | LS   | 1   | \$35,000  | \$35,000 |

**ARTICLE 4—TIME OF COMPLETION**

- 4.01 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.
- 4.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

**ARTICLE 5—BIDDER’S ACKNOWLEDGEMENTS: ACCEPTANCE PERIOD, INSTRUCTIONS, AND RECEIPT OF ADDENDA**

- 5.01 *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.
- 5.02 *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.
- 5.03 *Receipt of Addenda*
  - A. Bidder hereby acknowledges receipt of the following Addenda:

| Addendum Number | Addendum Date |
|-----------------|---------------|
|                 |               |
|                 |               |
|                 |               |
|                 |               |
|                 |               |

**ARTICLE 6—BIDDER’S REPRESENTATIONS AND CERTIFICATIONS**

- 6.01 *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.

#### 6.02 *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)

\_\_\_\_\_

---

**SECTION 01 1500**  
**MEASUREMENT AND PAYMENT**

**PART 1 - GENERAL**

**1.01 DESCRIPTION**

- A. This Section covers the requirements for measurements and records for payment purposes, and describes the items under which payments will be made for all work performed under this Contract.
- B. Items not specified to be measured or paid for shall be included in an appropriate unit price item or in a Lump-sum item.

**1.02 MEASUREMENT REQUIREMENTS**

- A. Coordinate removal of existing materials with Owner so that they may inspect the materials to be removed, so that they may witness the measuring, and so that they may approve the record of measurements. All materials removed without conforming to the above procedures, and which Owner cannot verify or substantiate, will not be paid for.
- B. Maintain complete, neat, clean, and legible field notes for all measured items. Notes shall contain spaces for Contractor's and Owner's signatures plus additional space for comments. An original and a copy shall be made for all notes and one copy shall be turned over to Owner daily. The Owner's signature shall not be construed as an acceptance of the Work, or the measurements made, but shall mean that they were present when the measurements were made.

**1.03 SUBMITTALS**

- A. Field notes of all measurements for payment purposes delivered to Owner daily.
- B. Copies of all invoices required for payments out of cash allowance(s).

**1.04 SCHEDULING**

- A. Notify Owner, as far in advance as possible, of the making of measurements so that the Owner may observe existing conditions, work being performed, and measurements being made.
- B. Allow for and afford Owner ample time, space and equipment to observe measurements and to verify measurements and elevations.

**PART 2 - PRODUCTS**

**2.01 GENERAL**

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

---

## **PART 3 - EXECUTION**

### **3.01 GENERAL REQUIREMENTS & STIPULATIONS**

- A. Perform all measuring required under this Section.
- B. No separate payments will be made for work under this Contract. All costs in connection with the Work shall be included in one or more of the pay items as appropriate.
- C. Each pay item shall be full compensation for all costs in connection with the item including but not limited to:
  - 1. The furnishing of all materials, labor, equipment, tools, and all incidentals.
  - 2. The installation of all materials, equipment, facilities, accessories and appurtenant items.
  - 3. The proper share of overhead and profit.
  - 4. Any excavation, trenching, backfilling, dewatering, shoring or testing required.
  - 5. The restoration of unpaved surfaces.
  - 6. Any temporary facilities or controls required including flaggers and/or uniformed traffic officers.
  - 7. All erosion and dust control measures.
  - 8. All related and incidental work and items necessary or required to complete the Work and to provide completely connected, operational and approved, code-compliant systems capable of performing as required.
  - 9. Clearing and grubbing.

### **3.02 MEASUREMENT & PAYMENT ITEMS**

- A. Construction Schedule of Values: Perform measurements associated with the individual line items of the Construction Schedule of Values and document for Pay Requisition purposes.

#### **1. MOBILIZATION/DEMOBILIZATION**

No measurement required.

Payment shall be lump sum for work items necessary for the movement of personnel, equipment and materials to the project site, establishment of all field offices and related facilities necessary to perform the work on the project, traffic control if needed, and for all other costs and operations which must be performed prior to the beginning of the work. In addition, this pay item will include all costs associated with cleanup work as required herein.

The maximum limit of the BID VALUE for this item shall not exceed 10% of the total BASE BID.

Payment of the lump sum Bid price will be made in two equal installments. The first installment will occur at the time the first payment requisition is submitted after the Contractor has initiated full-time construction activity. The second installment will occur when the Contractor has completed all construction activity including final cleanup and punch list items.

#### **2. TEST PITTING / EXISTING UTILITY LOCATING**

No measurement required.

Payment shall be lump sum for work items necessary for the completion of test pits and locating existing utilities within the project area (see clouded areas on sheet C1) prior to beginning construction. Test pitting is required to confirm where along Allen Avenue the new 2" line will be connected, to confirm where the new 2" line will

---

connect along Kathy Avenue, to confirm the cluster of existing water shutoffs and determine what pipes they belong to, and three locations on Linda Ave to confirm the actual configuration of the existing water main (is there a loop or not, near unit 1, does it actually cross the road, and to find the terminus for installation of the flushing hydrant the existing conditions of the valving.) Once existing utilities have been located, proposed utilities should be laid out to confirm the required separation distances will be met and so any conflicts and any realignment or adjustments needed to achieve required separation distances can be resolved prior to construction.

In addition, this pay item will include all costs associated restoration of surfaces (backfill, pavement patch), loam and seed; turf establishment, and all cleanup work as required herein to stabilize the site.

Payment shall be lump sum to be paid when the Contractor has completed all utility locating including restoration of surfaces.

**3. WATER MAINS**

Measure the length of pipe installed.

Measurements shall commence and terminate at (1) face of fitting or adapter at connection to existing watermain and, (2) end of pipe. Do not deduct for adapters, fittings, and other pipe appurtenances.

Payment shall be per linear foot installed. Include costs for adapters, fittings, saw cutting, breaking and disposal of pavement (exclusive of reinforced concrete pavement), excavation and backfill, removal and disposal of existing surplus materials, tracer wire, warning tape, witness markers, concrete thrust blocks, pipe bedding or envelope within normal excavation limits, rigid insulation where indicated on the drawings and notes or where the require minimum coverage cannot be achieved, maintaining water service to existing water customers at all times throughout the duration of the project, coordination with utility companies and costs associated with utility pole support, removing and resetting fencing, drainage structures, signs, or other obstructions within the route of the pipe, repair or replacement of any sidewalks or curbing damaged during the course of water main installation, flushing, disinfection, testing, unpaved surface restoration, digging up, protecting, and replanting hedges, shrubs, trees, and plants, and clearing vegetation including trees of all sizes as deemed necessary by the engineer.

Also include cost for preliminary trench excavations made for verifying location and elevation of existing utilities at all crossings indicated on the Drawings, and for locating points of connection of the new water main to an existing water distribution system. Excavation beyond 15 linear feet at each location, if authorized in writing by the Engineer, will be paid for under Miscellaneous Earth Excavation.

All fittings to be compression type.

**4. WATER SERVICE LINES**

Measure the length of pipe installed.

Measure actual length installed from the corporation stop to (1) the termination point as shown on Drawings or (2) the existing water service.

Payment shall be per linear foot installed. Includes costs for adapters, tracer wire,

---

saw cutting, breaking and disposal of pavement exclusive of reinforced concrete pavement), excavation and backfill, pipe bedding or envelope within normal excavation limits, rigid insulation where indicated on the drawings, connection to existing water services (if required), flushing, disinfection, testing, unpaved surface restoration, and digging up, protecting, and replanting hedges, shrubs, trees and plants.

Also include costs for preliminary exploratory excavation for the purpose of locating the existing service. Excavation beyond 15 linear feet at each location, if authorized in writing by the Engineer, will be paid for under Miscellaneous Earth Excavation.

**5. CURB STOPS AND APPURTENANCES**

No measurement is required.

Payment shall be per curb stop installed. This item includes costs for all materials, equipment, and labor necessary to construct/install proposed curb stops as shown on the Drawings. This item includes costs for excavation, backfill material, connecting of pipes, and other incidental items necessary to install each curb stop as shown on the Drawings.

**6. CORPORATION STOPS AND APPURTENANCES**

No measurement is required.

Payment shall be per corporation stop installed. This item includes costs for all materials, equipment, and labor necessary to construct/install proposed curb stops as shown on the Drawings. This item includes costs for excavation, backfill material, connecting of pipes, and other incidental items necessary to install each corporation stop as shown on the Drawings.

**7. FLUSHING HYDRANT**

No measurement is required.

Payment shall be per each flushing hydrant installed. Include costs for all piping (including piping from the water main to the hydrant), valves, fittings, adapters, excavation and backfill, concrete thrust blocks, and temporary pavement patch. Also include cost for spare parts and tools as specified. This item includes costs for all materials, equipment, and labor necessary to construct/install the proposed flushing hydrants as shown on the Drawings.

**8. CAPPED SERVICE STUB WITH STAKE**

No measurement is required.

Payment shall be per each service stub installed. Include costs for all piping, valves, fittings, adapters, excavation and backfill, surface restoration, and temporary pavement patch, if required. The service stub should be capped and staked for future locating. Contractor to install wooden stake and piece of rebar at the location of the stub cap. This item includes costs for all materials, equipment, and labor necessary to construct/install the proposed service stubs as shown on the Drawings.

**9. SAMPLE PORT**

No measurement is required.

---

Payment shall be per each sample port installed. Include costs for all piping, valves, fittings, adapters, excavation and backfill, surface restoration, and temporary pavement patch, if required. The sample port is required for disinfection and testing of the new line before it is placed into service. This item includes costs for all materials, equipment, and labor necessary to construct/install the proposed sample port as shown on the Drawings.

All fittings to be compression type.

**10. SERVICE SADDLE**

No measurement is required.

Payment shall be per service saddle installed. This item includes costs for all materials, equipment, and labor necessary to construct/install proposed service saddle as shown on the Drawings. This item includes costs for excavation, backfill material, connecting of pipes, and other incidental items necessary to install each service saddle as shown on the Drawings.

**11. BALL VALVE WITH BOX AND COVER**

No measurement is required.

Payment shall be per ball valve installed. This item includes costs for all materials, equipment, and labor necessary to construct/install proposed ball valves as shown on the Drawings. Where the valve is installed in pavement, driveways, or along the shoulder where it may encounter vehicular traffic, a box and cover shall be installed. This item includes costs for excavation, backfill material, connecting of pipes, and other incidental items necessary to install each ball valve as shown on the Drawings.

**12. REPLACE ABOVEGROUND FUEL OIL TANKS**

No measurement is required.

Payment shall be per tank installed. This item includes costs for all materials, equipment, and labor necessary to construct/install proposed above-ground storage tanks (AST) as shown on the Drawings and described herein. Each AST shall include secondary containment, a roof cover to protect the tank from ice and other fall hazards, and a concrete leveling pad. This item includes costs associated with disconnection and disposal of the removed tanks. Each tank shall be equipped with ball valve shutoffs and a filter on the fuel lines. If the existing valves and filter are missing or found to be in poor condition, new ball valve shutoffs and filters shall be installed. The tank shall be installed on a concrete pad at least 4 inches thick and a footprint exceeding the dimensions of the tank by at least 10%. Any piping or fuel lines in direct contact with earthen materials or concrete shall be coated and sleeved to protect from corrosion and damage. This item includes costs for excavation, backfill material, connecting of pipes, and other incidental items (including any necessary permits) necessary to install each fuel oil tank with cover and leveling pad as indicated on the Drawings.

**13. REMOVAL OF UNSUITABLE MATERIALS**

Measure the volume (width, length, and depth) removed.

---

Payment shall be per cubic yard removed within stipulated payment limits. This item includes costs for labor and equipment to excavate, remove, and dispose of unsuitable materials from the site or stockpile on-site as directed by the Owner.

**14. MISCELLANEOUS EARTH EXCAVATION**

Measure the volume, in place, as specified below:

Depth - Measure vertically from the bottom of the excavation as approved or ordered by the Engineer.

Width – Measure horizontally from the limits of the excavation as approved or ordered by the Engineer.

Length – Measure the actual length of trench.

Payment shall be per cubic yard ordered or authorized by the Engineer to be excavated not paid for under other pay items, and removal of unsuitable material. Include backfilling with material from excavation.

**15. CLEARING AND GRUBBING**

No measurement required.

Payment shall be lump sum for work items necessary to remove any trees, stumps, or other vegetations for the installation of the new water main, services, hydrants, and valves. This item includes costs for all material and work required to prepare and repurpose the existing land as shown on the Drawings and documents. This item includes costs for all tree cutting, stump removal, disposal of debris, and restoration of surfaces necessary to prepare the existing land for installation of the proposed improvements as shown on the Drawings.

**16. ROCK EXCAVATION AND DISPOSAL**

Compute cubic yardage of solid rock excavation and disposal on the basis of the in-place volume of rock occurring within the stipulated payment limits shown on the Drawings and as specified below.

Depth – Measure depths from the rock surface, as determined from profiles and cross sections made by Contractor and approved by Owner, to (1) pipe bedding subgrades, (2) bottom line of structure subbases, (3) 6-inches below pavement subgrades, topsoil, riprap and other subgrades and (4) elevations specified, shown on the Drawings or directed by the Owner.

Width – Measure 12-inches beyond and parallel to outside face of structure footings and per stipulated payment limits shown on the Drawings or as authorized by the Owner in writing.

Length- Measure length as actual length removed.

Payment shall be per cubic yard of solid rock authorized to be removed. Include boulders in excess of two (2) cubic yards for payment under this item. Excavated material under this item which has not been disposed of shall not be included for payment.

---

The quantity of Rock Excavation and Disposal to be paid for shall be the actual number of Cubic Yards (CY) of rock removed, measured in place prior to excavation. "Rock" is strictly defined as solid, continuous ledge requiring systematic drilling and blasting or heavy hammering for removal, or boulders exceeding two (2) cubic yards in volume. The Contractor MUST notify the Engineer to visually inspect, measure, and log the rock profile prior to any removal. Any rock removed prior to measurement and written approval by the Engineer will be considered miscellaneous earth excavation and will NOT be eligible for rock excavation payment. Payment will be made at the Contract Unit Price per Cubic Yard. The estimated quantity of 500 CY is for bidding comparison purposes only. The Owner reserves the right to increase, decrease, or eliminate this quantity without adjusting the unit price.

**17. TRENCH PATCH**

Compute square footage installed as specified below:

Width – Measure horizontally from the limits of the trench area as approved or ordered by the Engineer.

Length – Measure the length of the trench patch area limits.

The trench from which the asphalt pavement was removed in order to install water main shall be compacted and paved. Removed asphalt shall be disposed of by the Contractor. This item includes all labor, materials, equipment, and activities required to restore paved driveways and roadway to its original or specified condition following construction. Work includes sawcutting, backfill, road base placement and compaction, and paving as required by project specifications.

**18. SURFACE RESTORATION**

Payment shall be lump sum.

This item includes all labor, materials, equipment, and activities required to restore the site to its original or specified condition following construction. Work includes grading, topsoil replacement, compaction, seeding, and mulching as required by project specifications and environmental regulations. Pavement restoration to be paid for under Item 17.

**19. TEMPORARY WATER**

No measurement is required.

Payment shall be lump sum.

Include all costs associated with the installation and connection of temporary water to residents who will experience service interruptions during construction. This item includes costs for all materials, equipment, labor and all other incidental items necessary to construct/install temporary water.

**20. MAINTENANCE OF TRAFFIC**

No measurement required.

Payment shall be lump sum. Include costs for all traffic control procedures required and necessary to complete project work as specified on project plans and

---

documents, requested by the Engineer, or as required by MUTCD and/or MaineDOT standards.

**21. EROSION CONTROL**

No measurement required.

Payment shall be lump sum. Include cost for all materials and work necessary to comply with erosion prevention and sediment control requirements specified on the plans, required by the State of New Hampshire, and requested by the Engineer or Owner as needed to prevent erosion and control sediment from start of project up until completion.

Payment of the lump sum Bid price will be made in two equal installments. The first installment will occur at the time the first payment requisition is submitted after the Contractor has initiated full-time construction activity. The second installment will occur when the Contractor has completed all construction activity including final cleanup and removal of erosion control materials.

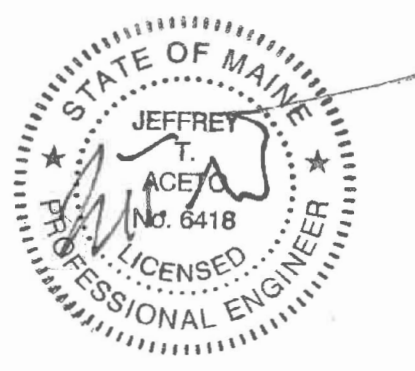
**22. ALLOWANCES**

Allowances are stipulated sums established to cover the cost of specific anticipated work. The Contractor shall only be paid from these allowances for actual, documented, and approved costs via submitted invoices and receipts. No markup for overhead or profit shall be applied to these allowance items by the Contractor. Any unused funds remaining in these allowances at the project's completion shall be credited back to the Owner via a deductive Change Order.

---

**END OF SECTION**

**NOT FOR CONSTRUCTION FOR BIDDING PURPOSES ONLY**



| REVISIONS | REVISION DESCRIPTION | DATE      | BY  |
|-----------|----------------------|-----------|-----|
| 1         |                      | 5/21/2026 | SAW |

CLIENT NAME:  
**CHARTER OAKS VILLAGE COOPERATIVE**

PROJECT NAME:  
**PHASE 1 DISTRIBUTION SYSTEM IMPROVEMENTS**  
PROJECT ADDRESS:  
ALLEN AVENUE  
ARUNDEL, MAINE

SHEET TITLE:  
**TITLE SHEET**

|                         |                   |
|-------------------------|-------------------|
| D&K PROJECT #<br>230693 | PROJ. ENG.<br>JTA |
| DRAWN BY<br>NDB         | CHECKED BY<br>JTA |

DATE  
MAY 1, 2026

SHEET NUMBER

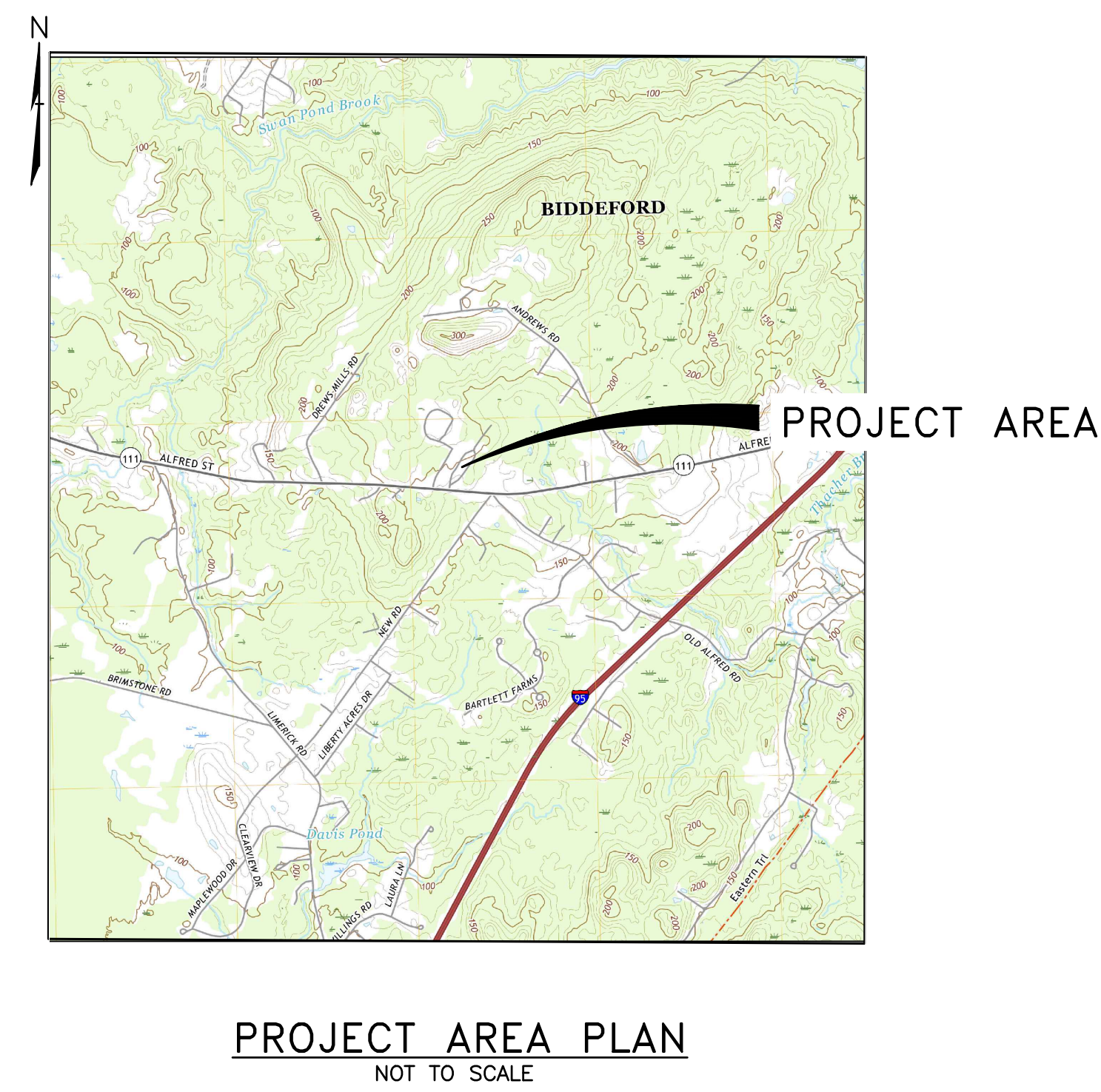
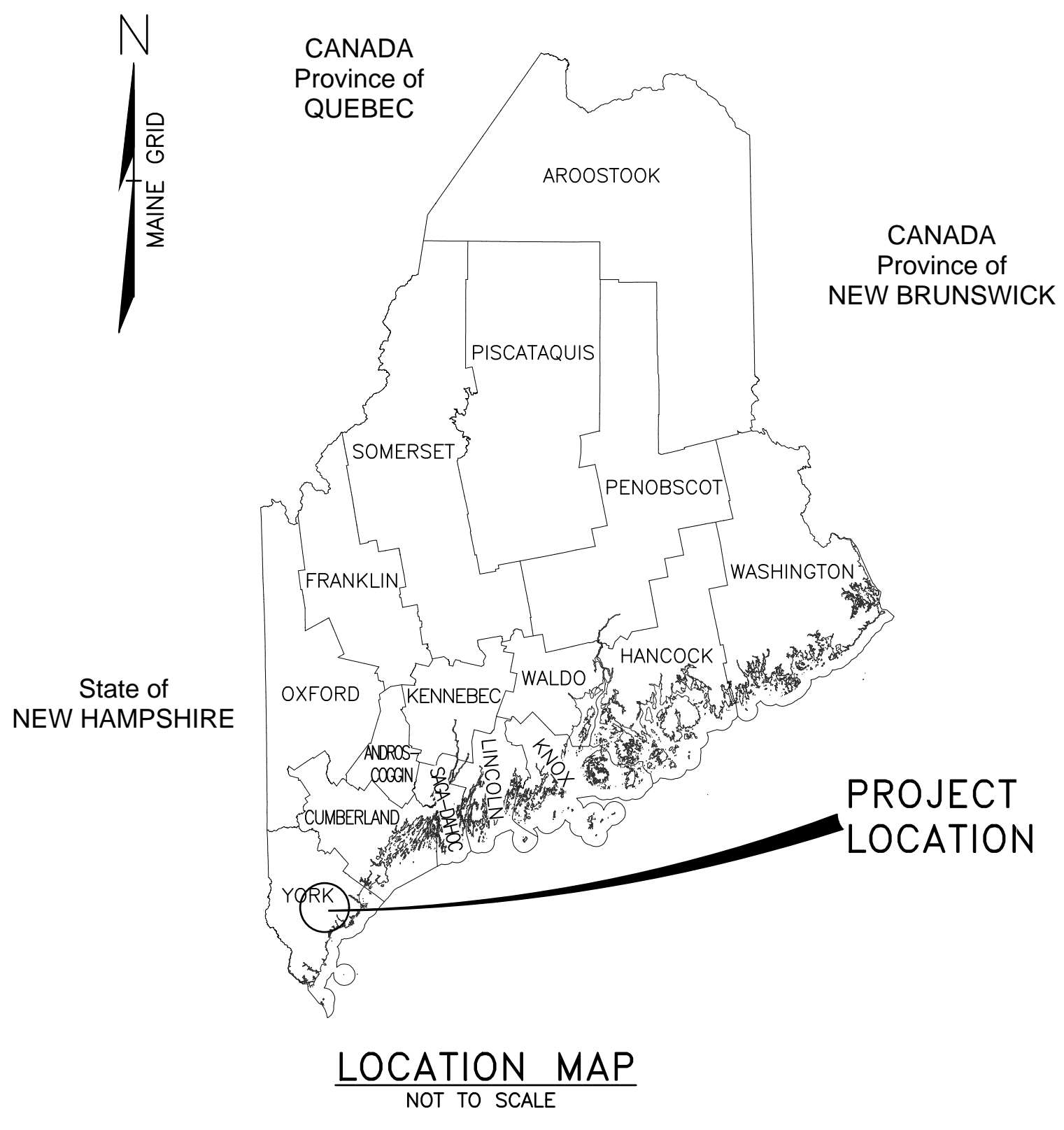
**G1**

# CHARTER OAKS VILLAGE COOPERATIVE ARUNDEL, ME

# PHASE 1 DISTRIBUTION SYSTEM IMPROVEMENTS

REVISED MAY 21, 2026

| LIST OF DRAWINGS                 |                   |           |
|----------------------------------|-------------------|-----------|
| TITLE                            | SHEET DESCRIPTION | SHEET NO. |
| TITLE SHEET                      | G1                | 1 OF 13   |
| GENERAL NOTES & LEGEND           | G2                | 2 OF 13   |
| OVERALL SITE PLAN                | C1                | 3 OF 13   |
| WATER PLAN 1 OF 3                | C2                | 4 OF 13   |
| WATER PLAN 2 OF 3                | C3                | 5 OF 13   |
| WATER PLAN 3 OF 3                | C4                | 6 OF 13   |
| WATER PROFILES - EXISTING        | C5                | 7 OF 13   |
| WATER PROFILE                    | C6                | 8 OF 13   |
| UTILITY DETAILS 1 OF 2           | C7                | 9 OF 13   |
| UTILITY DETAILS 2 OF 2           | C8                | 10 OF 13  |
| EROSION CONTROL AND SITE DETAILS | C9                | 11 OF 13  |
| FUEL OIL AST DETAILS             | C10               | 12 OF 13  |
| EROSION CONTROL NOTES            | C11               | 13 OF 13  |



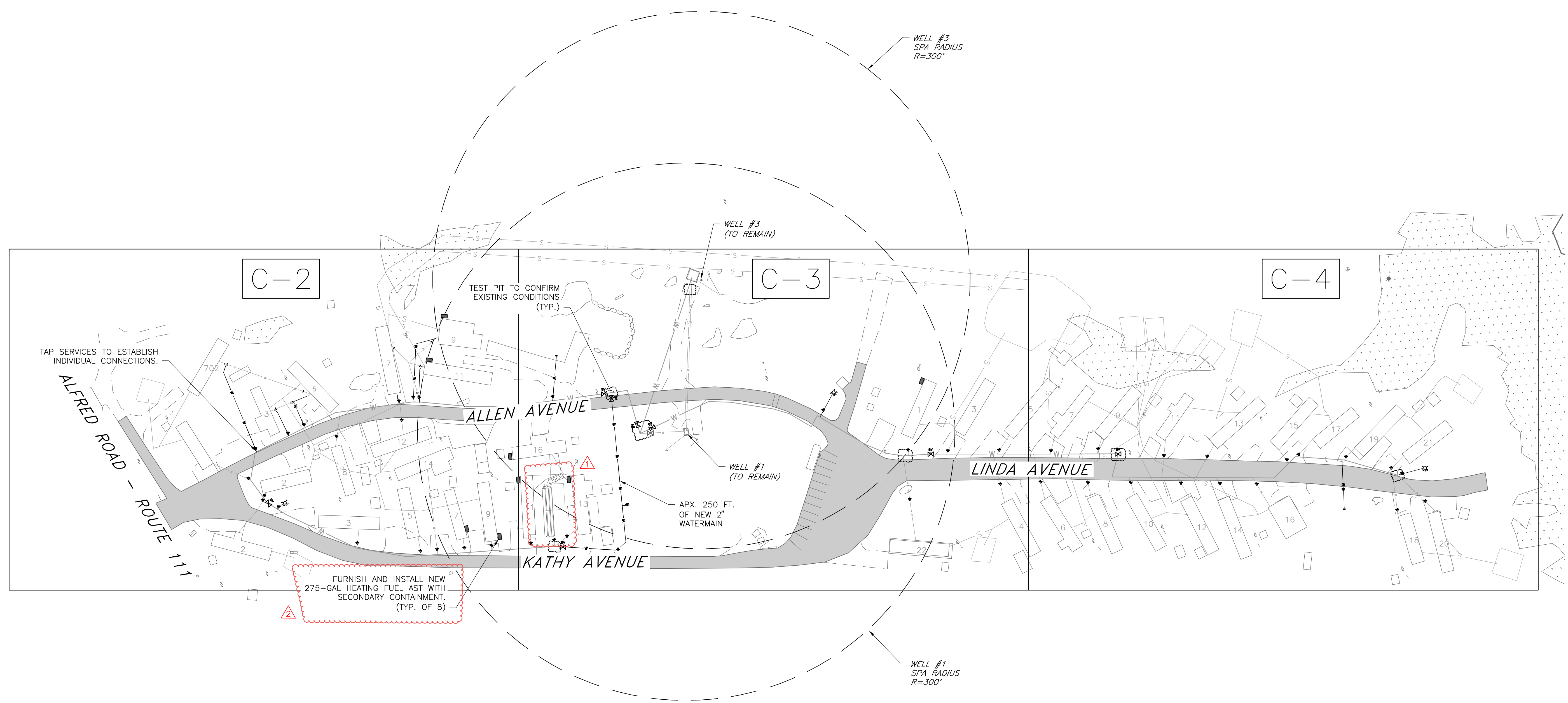
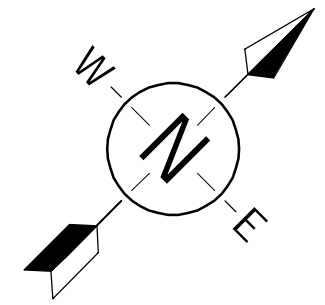
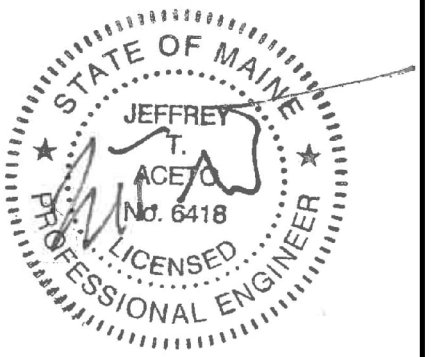
engineering    planning    management    development

ISSUED FOR BIDDING  
NOT FOR CONSTRUCTION    05/21/26

I:\230693 CD Charter Oaks Water Improvements Arundel\Drawings\Civil\Phase 1\230693-T1000.DWG 4/29/2026 3:32 PM



**NOT FOR  
CONSTRUCTION  
FOR BIDDING  
PURPOSES  
ONLY**



| REVISIONS | REVISION DESCRIPTION                                    | DATE               | NUMBER |
|-----------|---|--------------------|--------|
|           | ADD SEPTIC SYSTEM LOCATION<br>ADD SIZE OF FUEL OIL ASTS | 5/11/26<br>5/21/26 | 1<br>2 |

CLIENT NAME:  
**CHARTER OAKS  
VILLAGE  
COOPERATIVE**

PROJECT NAME:  
**PHASE 1  
DISTRIBUTION  
SYSTEM  
IMPROVEMENTS**  
PROJECT ADDRESS  
ALLEN AVENUE  
ARUNDEL, MAINE

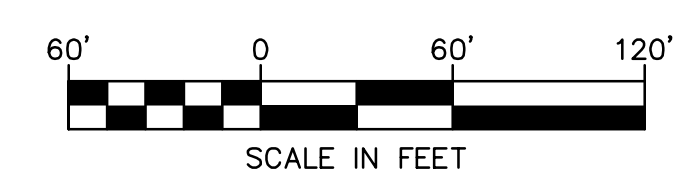
SHEET TITLE:  
**OVERALL SITE PLAN**

|                         |                   |
|-------------------------|-------------------|
| D&K PROJECT #<br>230693 | PROJ. ENG.<br>JTA |
| DRAWN BY<br>NDB         | CHECKED BY<br>JTA |

DATE  
MAY 1, 2026

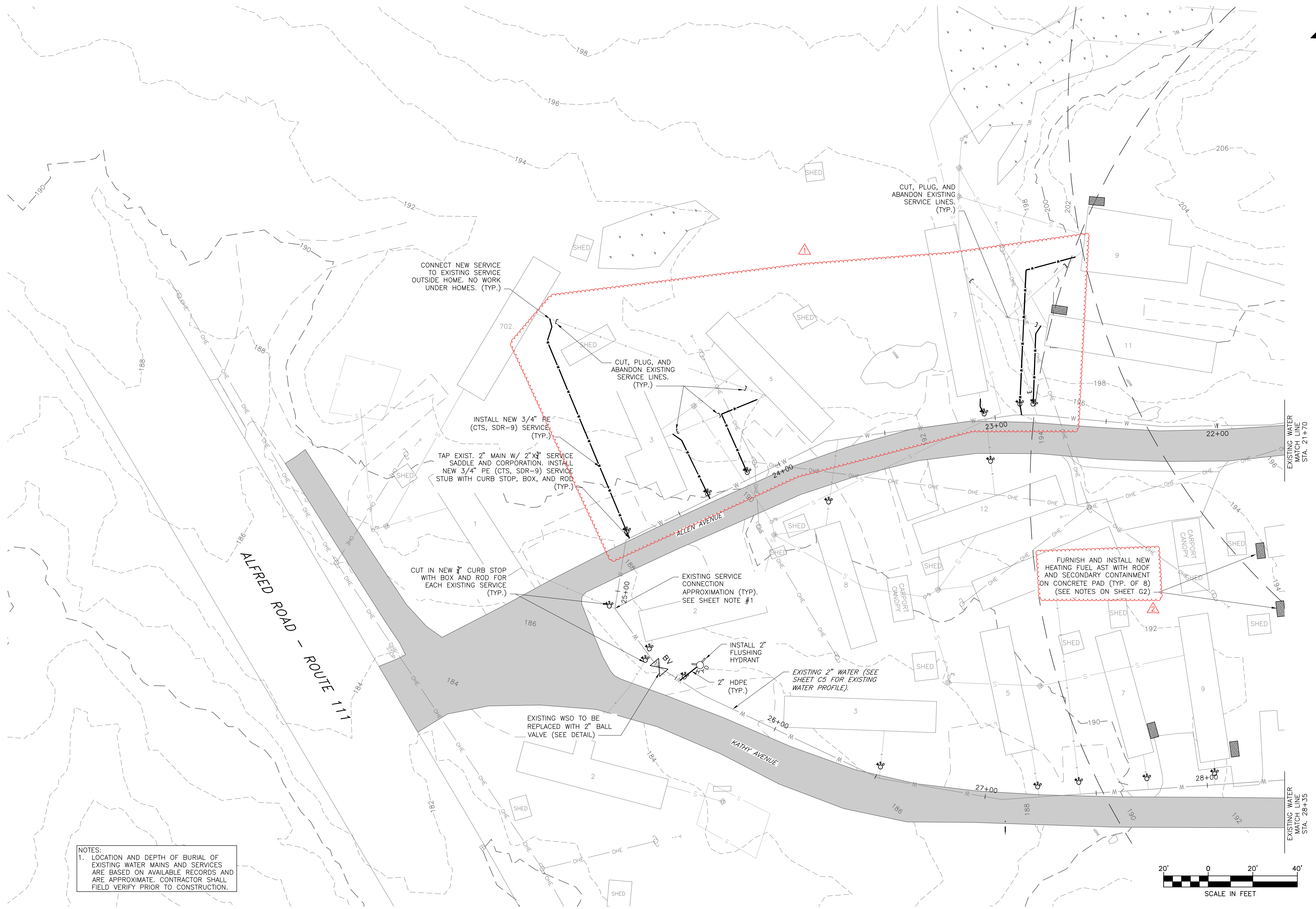
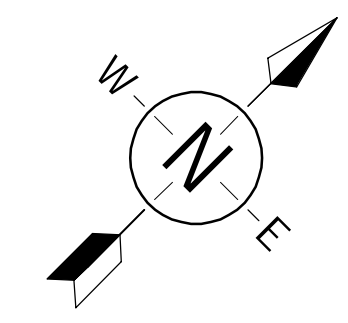
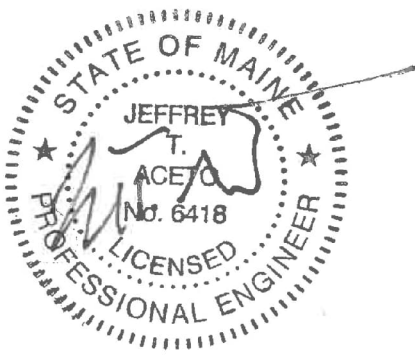
SHEET NUMBER  
**C1**

SHEET: 3 of 12



ISSUED FOR BIDDING  
NOT FOR CONSTRUCTION 05/21/26

**NOT FOR CONSTRUCTION FOR BIDDING PURPOSES ONLY**



**NOTES:**  
1. LOCATION AND DEPTH OF BURIAL OF EXISTING WATER MAINS AND SERVICES ARE BASED ON AVAILABLE RECORDS AND ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY PRIOR TO CONSTRUCTION.



ISSUED FOR BIDDING  
NOT FOR CONSTRUCTION 05/21/26

| REVISIONS | NUMBER | DATE    | REVISION DESCRIPTION   | BY  |
|-----------|--------|---------|------------------------|-----|
|           | 1      | 5/11/26 | REVISE SERVICES        | SAW |
|           | 2      | 5/21/26 | CLARIFY NUMBER OF ASTS | SAW |

CLIENT NAME:  
**CHARTER OAKS VILLAGE COOPERATIVE**

PROJECT NAME:  
**PHASE 1 DISTRIBUTION SYSTEM IMPROVEMENTS**  
PROJECT ADDRESS:  
ALLEN AVENUE  
ARUNDEL, MAINE

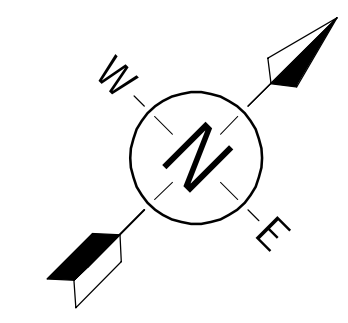
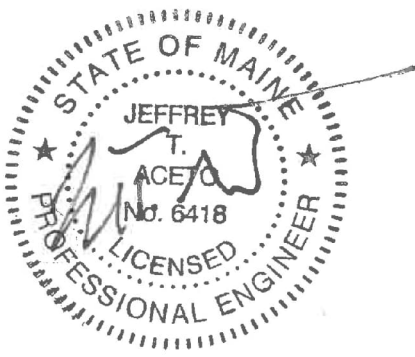
SHEET TITLE:  
**WATER PLAN 1 OF 3**

D&K PROJECT # 230693  
PROJ. ENG. JTA  
DRAWN BY NDB  
CHECKED BY JTA

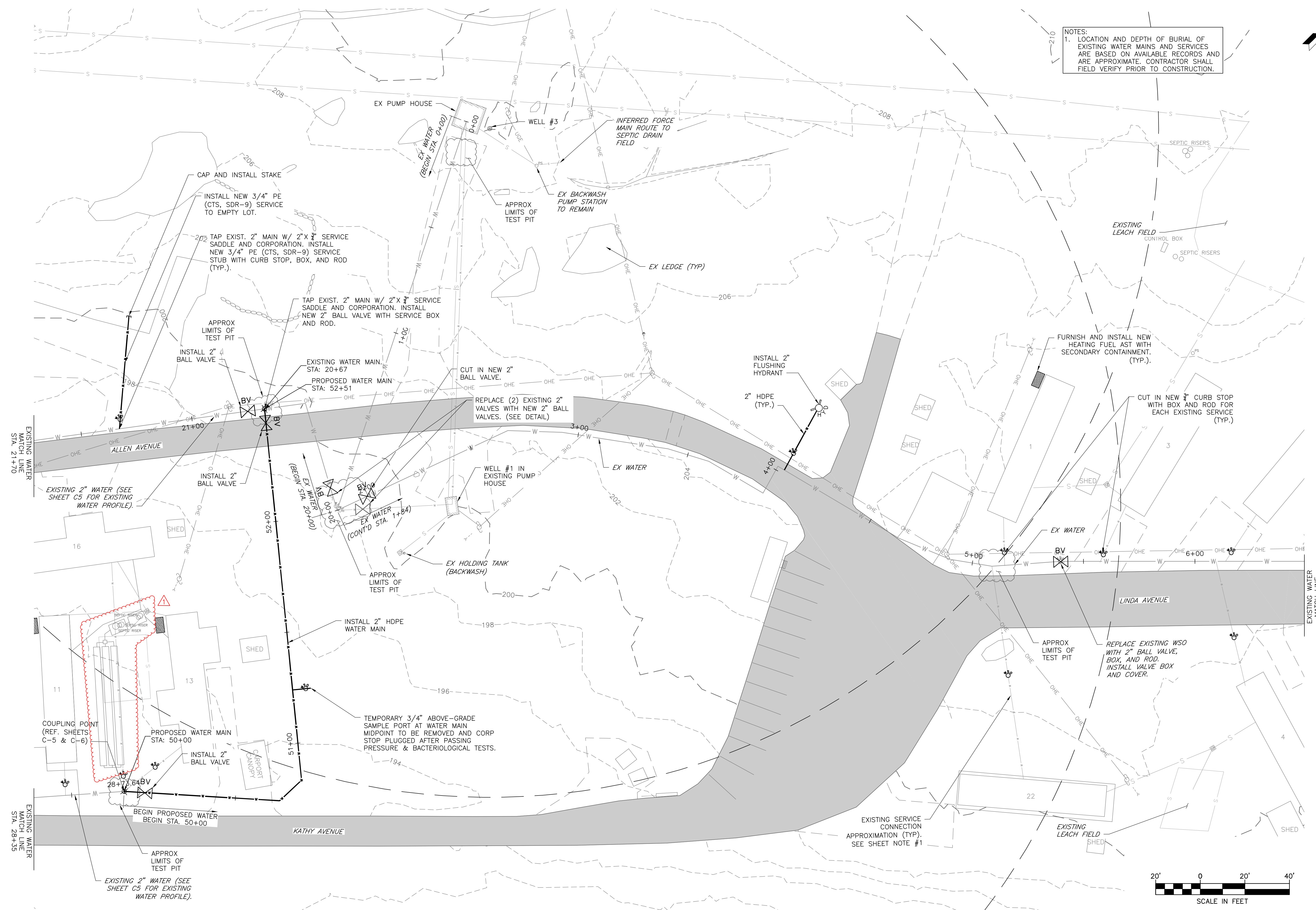
DATE: MAY 1, 2026

SHEET NUMBER  
**C2**

**NOT FOR CONSTRUCTION FOR BIDDING PURPOSES ONLY**



NOTES:  
1. LOCATION AND DEPTH OF BURIAL OF EXISTING WATER MAINS AND SERVICES ARE BASED ON AVAILABLE RECORDS AND ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY PRIOR TO CONSTRUCTION.



| REVISIONS | REVISION DESCRIPTION       | DATE    | BY  |
|-----------|----------------------------|---------|-----|
| 1         | ADD SEPTIC SYSTEM LOCATION | 5/11/26 | SAW |

CLIENT NAME:  
**CHARTER OAKS VILLAGE COOPERATIVE**

PROJECT NAME:  
**PHASE 1 DISTRIBUTION SYSTEM IMPROVEMENTS**  
PROJECT ADDRESS  
ALLEN AVENUE  
ARUNDEL, MAINE

SHEET TITLE:  
**WATER PLAN 2 OF 3**

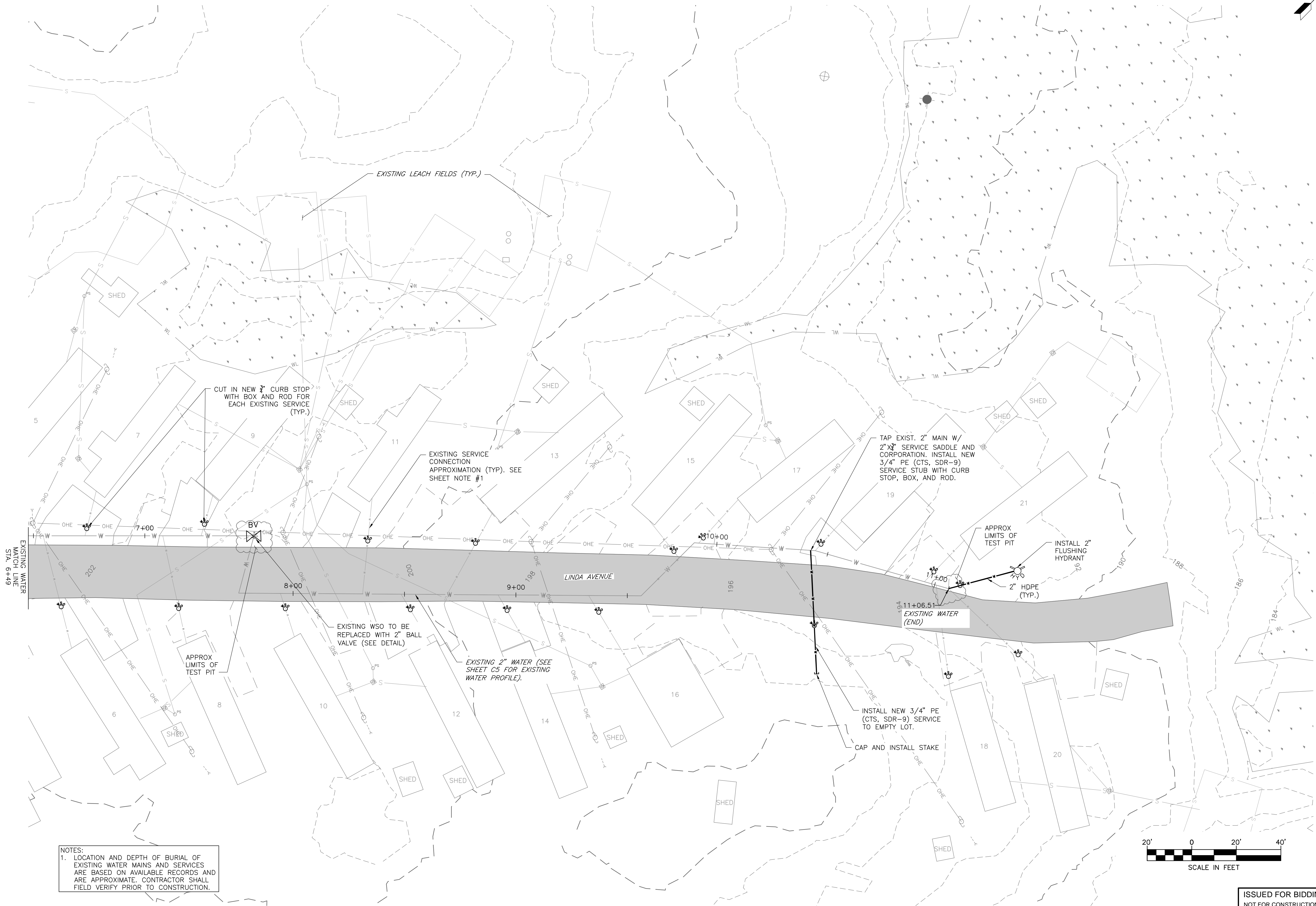
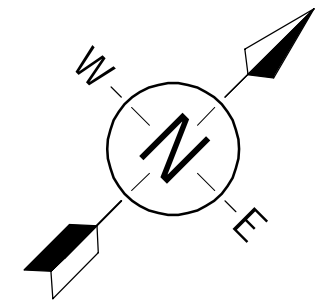
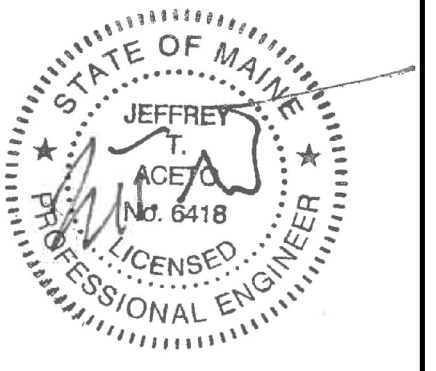
D&K PROJECT # 230693  
PROJ. ENG. JTA  
DRAWN BY NDB  
CHECKED BY JTA

DATE: MAY 1, 2026  
SHEET NUMBER

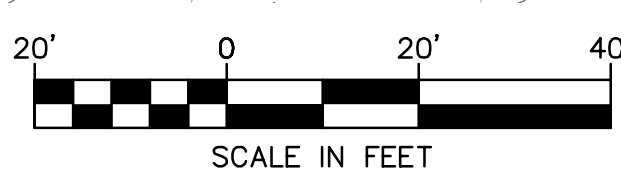
**C3**

I:\230693 CD Charter Oaks Water Improvements Annual\Drawings\Civil\Phase 1\230693-N001.dwg 5/20/2026 2:50 PM

**NOT FOR CONSTRUCTION FOR BIDDING PURPOSES ONLY**



**NOTES:**  
1. LOCATION AND DEPTH OF BURIAL OF EXISTING WATER MAINS AND SERVICES ARE BASED ON AVAILABLE RECORDS AND ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY PRIOR TO CONSTRUCTION.



ISSUED FOR BIDDING  
NOT FOR CONSTRUCTION 05/21/26

| REVISIONS | REVISION DESCRIPTION | DATE | NUMBER |
|-----------|----------------------|------|--------|
|           |                      |      |        |
|           |                      |      |        |
|           |                      |      |        |
|           |                      |      |        |
|           |                      |      |        |
|           |                      |      |        |
|           |                      |      |        |
|           |                      |      |        |
|           |                      |      |        |

CLIENT NAME:  
**CHARTER OAKS VILLAGE COOPERATIVE**

PROJECT NAME:  
**PHASE 1 DISTRIBUTION SYSTEM IMPROVEMENTS**  
PROJECT ADDRESS  
ALLEN AVENUE  
ARUNDEL, MAINE

SHEET TITLE:  
**WATER PLAN 3 OF 3**

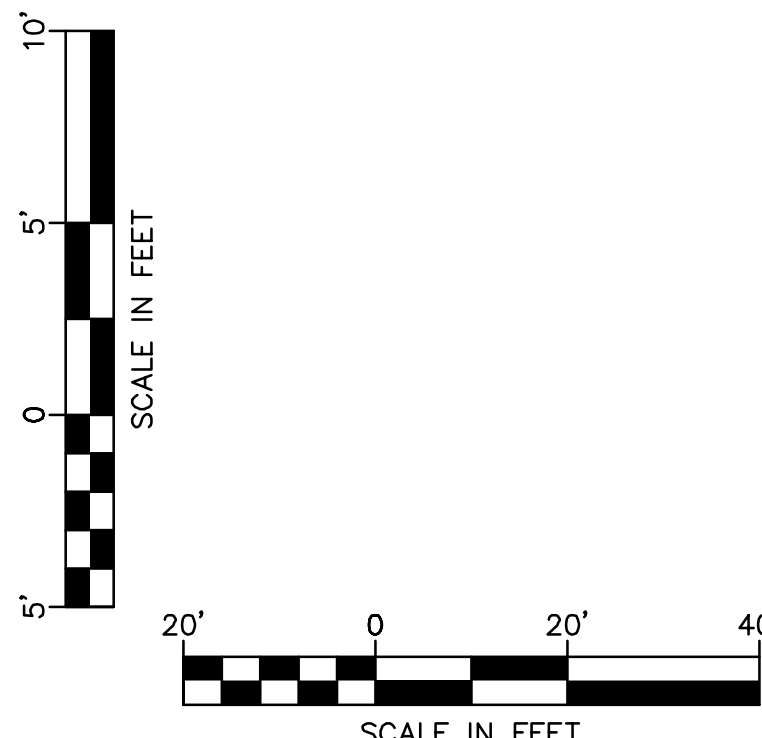
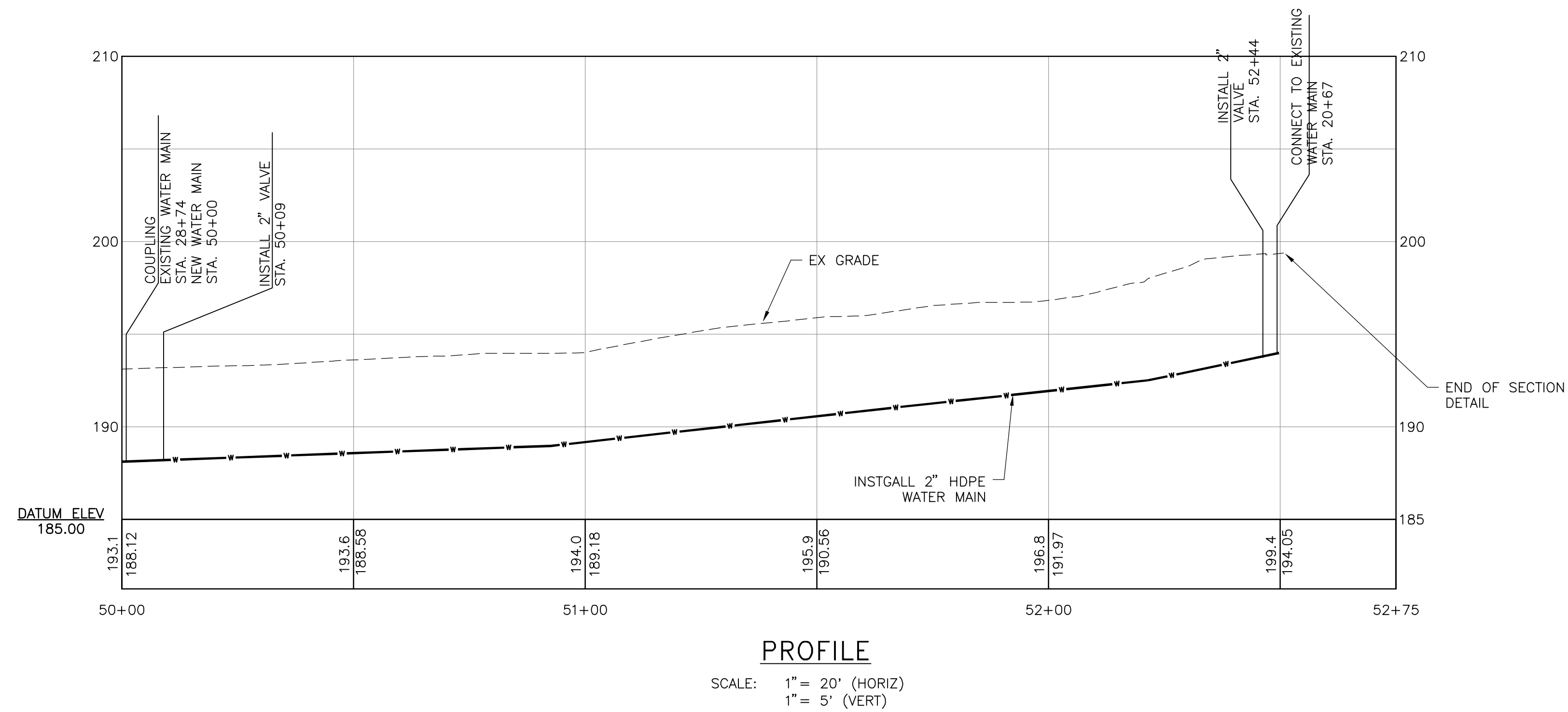
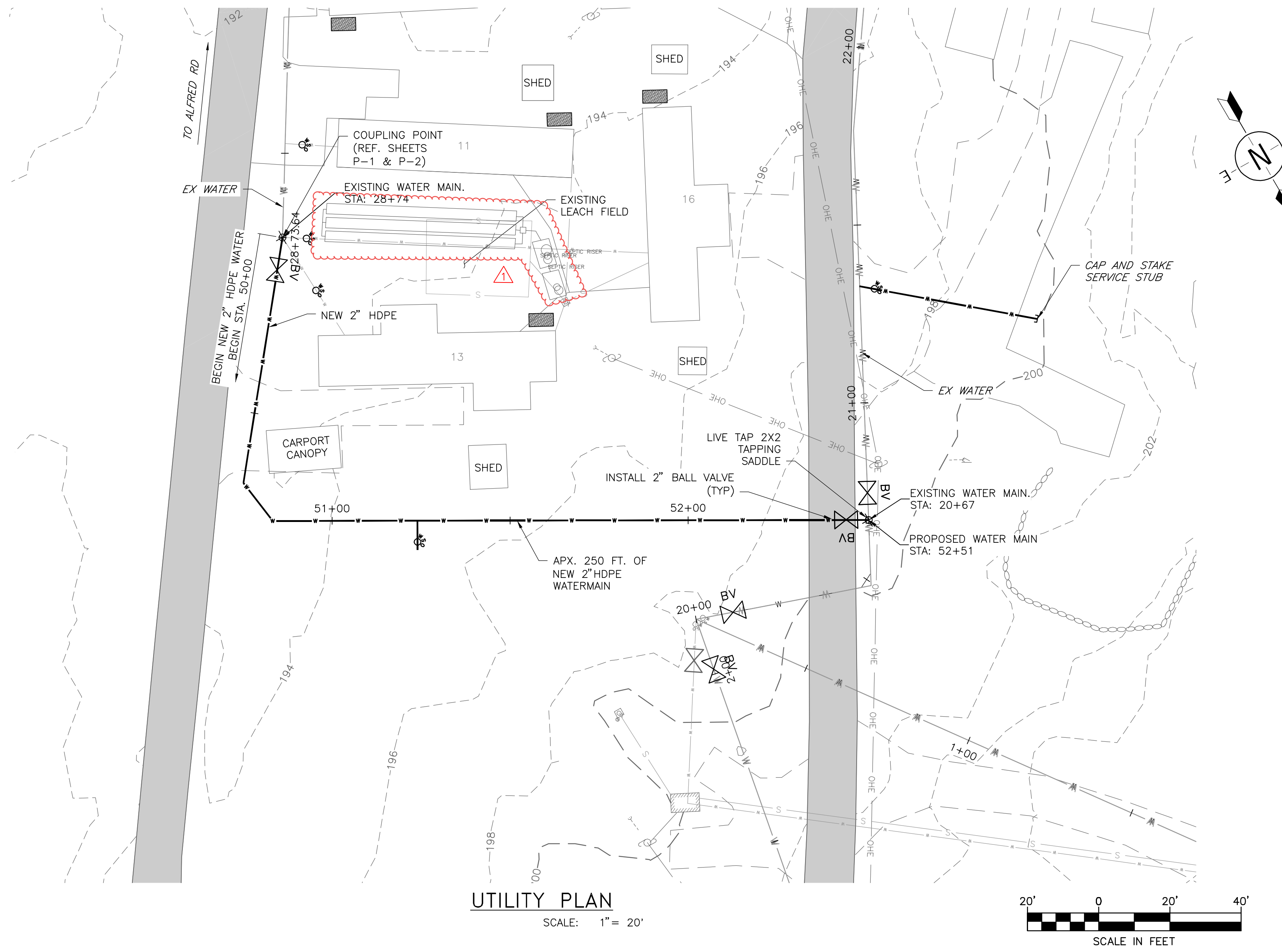
D&K PROJECT # 230693  
PROJ. ENG. JTA  
DRAWN BY NDB  
CHECKED BY JTA

DATE  
MAY 1, 2026  
SHEET NUMBER

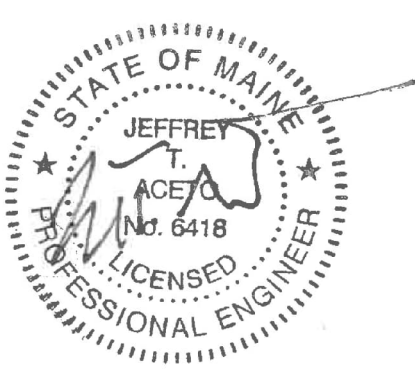
**C4**



NOTES:  
 1. LOCATION AND DEPTH OF BURIAL OF EXISTING WATER MAINS AND SERVICES ARE BASED ON AVAILABLE RECORDS AND ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY PRIOR TO CONSTRUCTION.



**NOT FOR CONSTRUCTION FOR BIDDING PURPOSES ONLY**



| REVISIONS | REVISION DESCRIPTION       | DATE    | NUMBER | BY  |
|-----------|----------------------------|---------|--------|-----|
| 1         | ADD SEPTIC SYSTEM LOCATION | 5/11/26 | 1      | SAW |

CLIENT NAME:  
**CHARTER OAKS VILLAGE COOPERATIVE**

PROJECT NAME:  
**PHASE 1 DISTRIBUTION SYSTEM IMPROVEMENTS**  
 PROJECT ADDRESS:  
 ALLEN AVENUE  
 ARUNDEL, MAINE

SHEET TITLE:  
**WATER PROFILE**

D&K PROJECT # 230693  
 PROJ. ENG. JTA  
 DRAWN BY NDB  
 CHECKED BY JTA

DATE: MAY 1, 2026

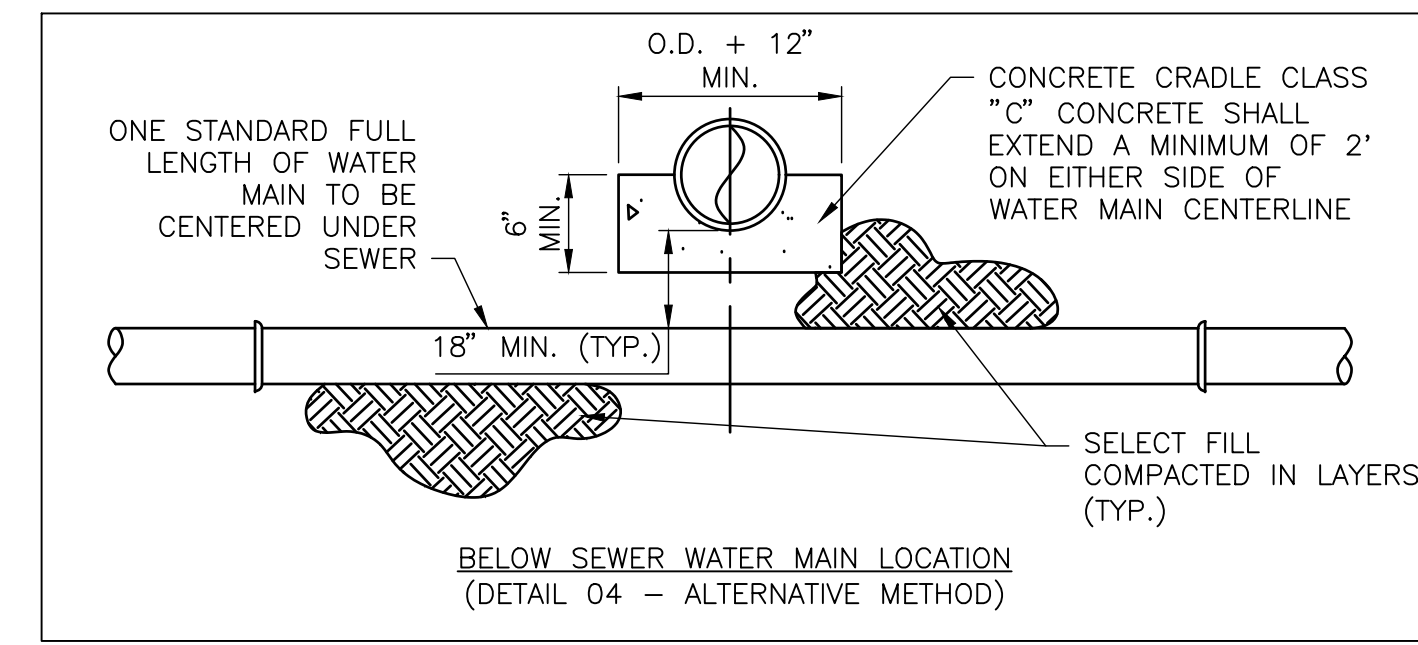
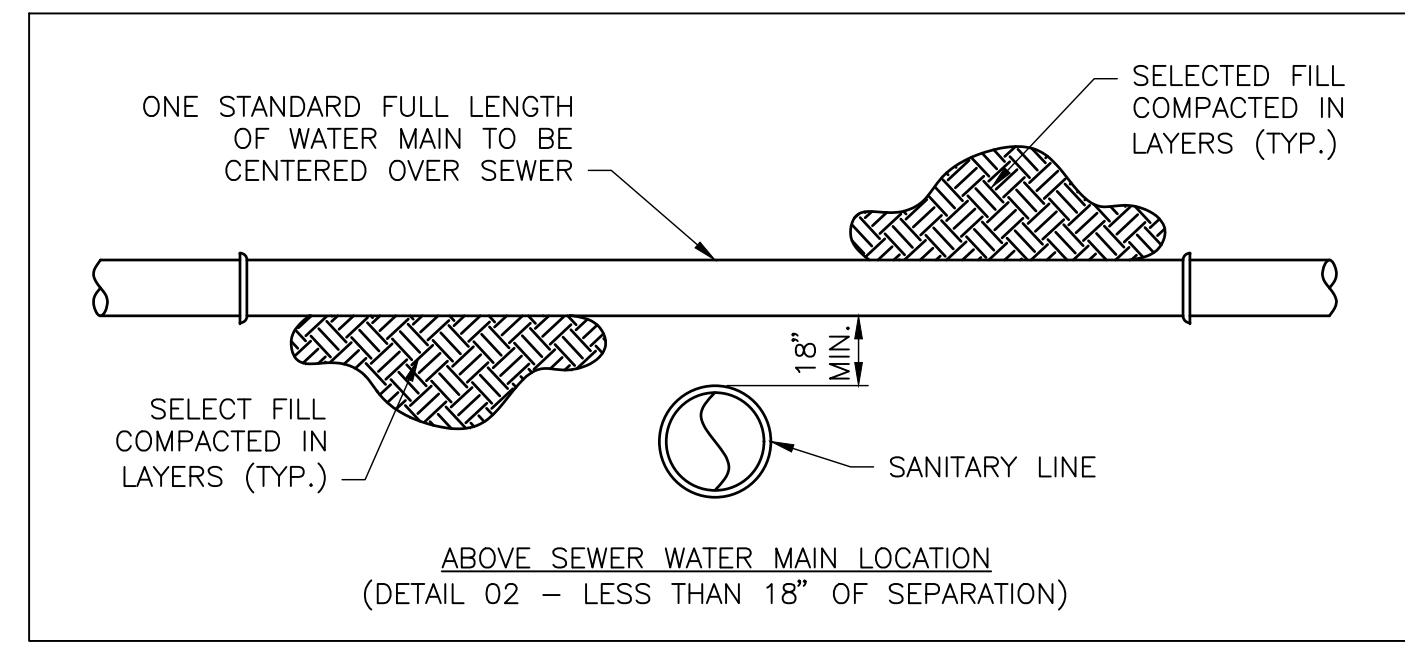
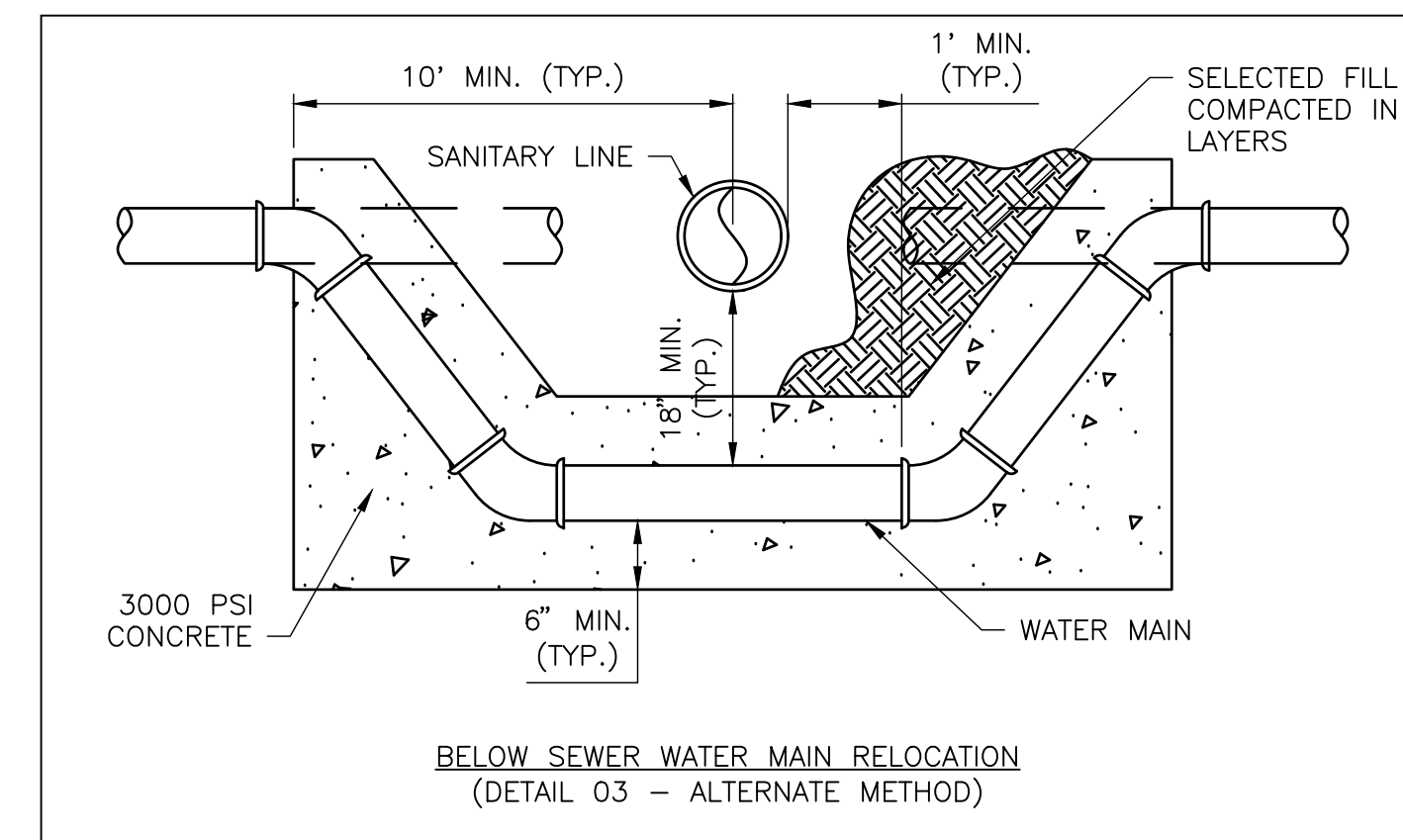
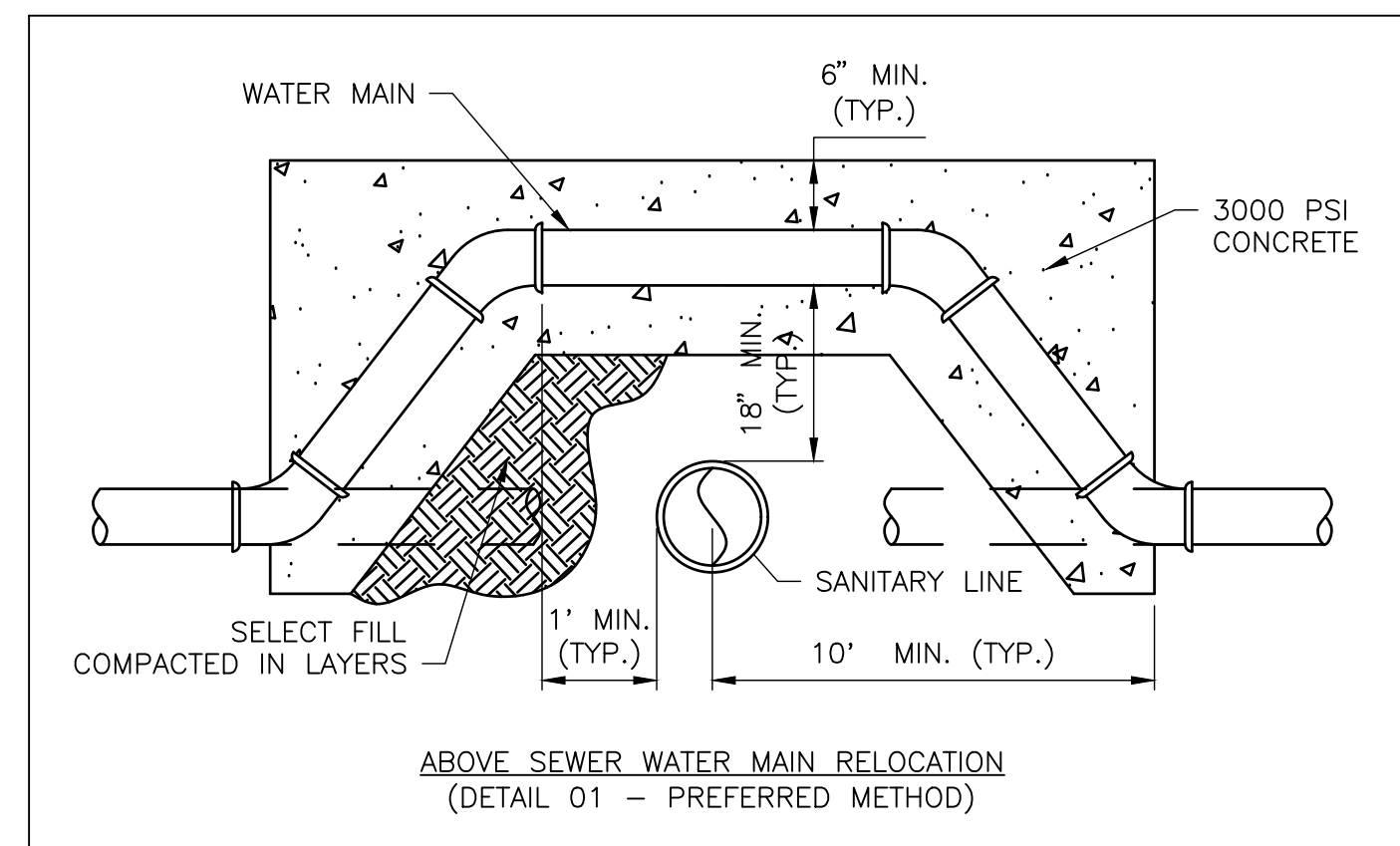
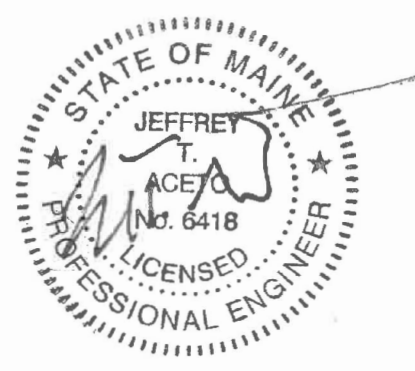
SHEET NUMBER:  
**C6**

ISSUED FOR BIDDING  
 NOT FOR CONSTRUCTION 05/21/26

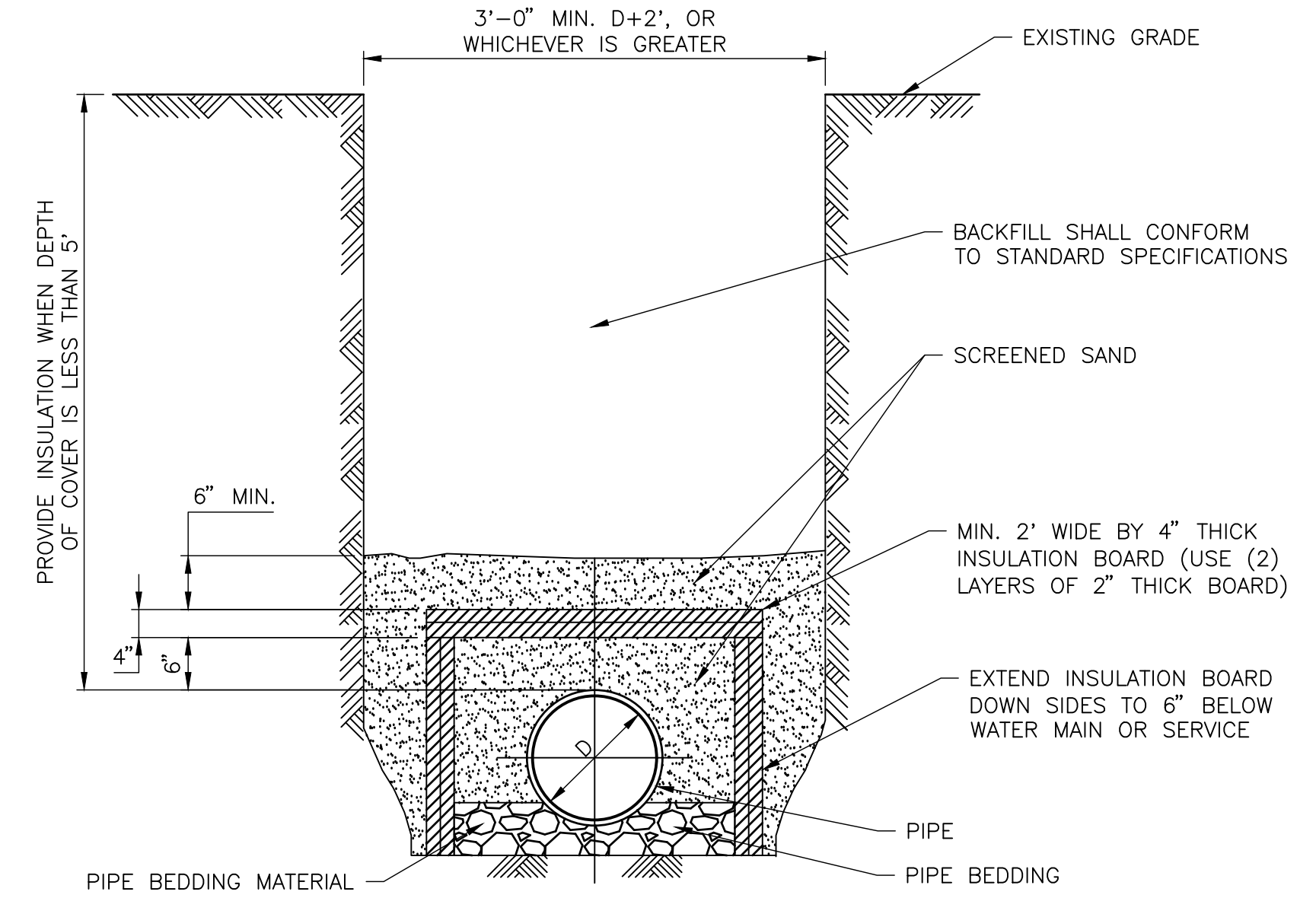
I:\230693 CD Charter Oaks Water Improvements Arundel\Drawings\Civil\Phase 1\230693-N001.dwg 5/20/2026 2:53 PM



**NOT FOR CONSTRUCTION FOR BIDDING PURPOSES ONLY**



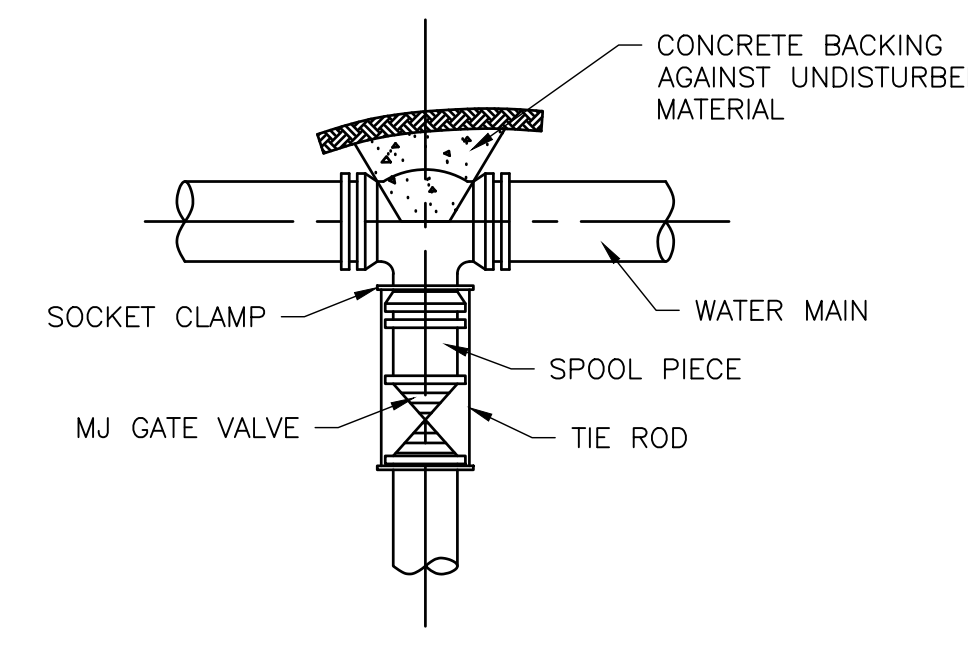
| COVER (FEET)  | RIGID INSULATION THICKNESS (IN) |
|---------------|---------------------------------|
| 4'-1" - 5'-0" | 2                               |
| 3'-1" - 4'-0" | 4                               |



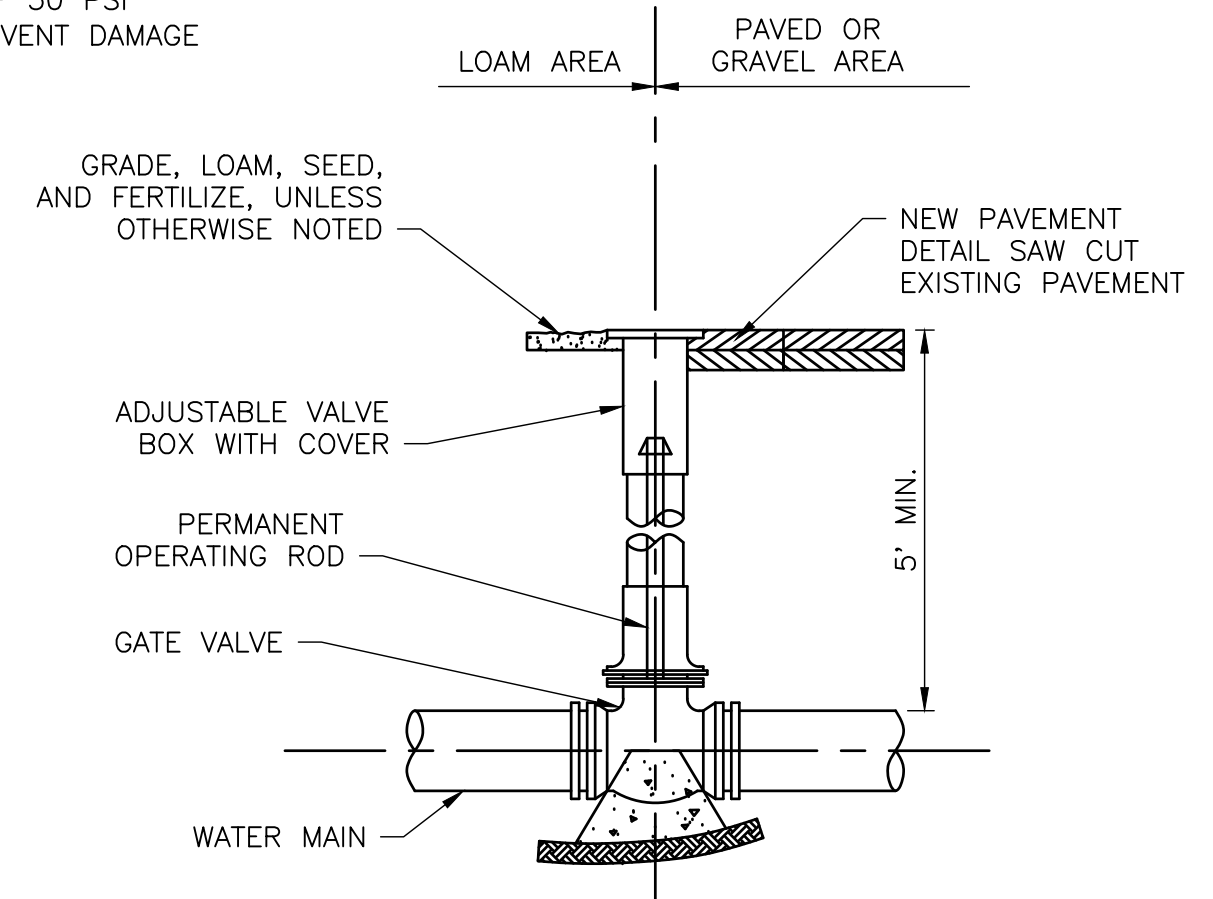
- NOTES:**
- DETAILS NO.1 & NO.3: ALLOWABLE WATER PIPE DEFLECTIONS MAY BE USED TO ACCOMPLISH THE RELOCATIONS IN LIEU OF ELBOWS AND FITTINGS.
  - DETAILS NO.2, NO.3, & NO.4: SEWER PIPE SHALL BE CONSTRUCTED/RECONSTRUCTED OF DUCTILE IRON PIPE WITH PUSH ON OR MECHANICAL JOINTS AND PRESSURE TESTED FOR 20' (MIN.) EACH SIDE OF WATER MAIN.
  - DETAILS NO.1, NO.2, NO.3, & NO.4: WATER MAIN TO BE RECONSTRUCTED SHALL BE PUSH-ON OR M.J. D.I. PIPE FOR A DISTANCE OF 10' EACH SIDE OF THE CENTERLINE OF THE SEWER.
  - DETAILS NO.3 & NO.4: UNDER NO CIRCUMSTANCES SHALL THE SEWER BE LESS THAN 18" ABOVE THE WATER MAIN.
  - HORIZONTAL CONTROL: MAINTAIN A MINIMUM OF 10' HORIZONTAL SEPARATION BETWEEN WATER AND SANITARY SEWER, AND 5' HORIZONTAL SEPARATION BETWEEN WATER AND STORM DRAIN, AS MEASURED BETWEEN THE EXTERIOR OF EACH PIPE. IF 10' HORIZONTAL SEPARATION CANNOT BE MAINTAINED, THE WATER LINE SHALL BE IN A SEPARATE TRENCH OR ON AN UNDISTURBED EARTH SHELF A MINIMUM OF 18" ABOVE THE SEWER LINE, AS MEASURED FROM THE TOP OF THE SEWER PIPE, TO THE BOTTOM OF THE WATER PIPE. WHERE WATER LINES ARE LAID BETWEEN SEWER LINES, THE SEWER LINES SHALL BE CONSTRUCTED TO WATER MAIN STANDARDS AND PRESSURE TESTED TO 50 PSI FOR 15 MINUTES, WITH NO LEAKAGE.
  - VERTICAL CONTROL: WATER LINES CROSSING SEWER LINES (SANITARY OR STORM DRAIN) SHALL BE ABOVE OR BELOW THE SEWER LINES A MINIMUM OF 18", AS MEASURED FROM EXTERIOR EDGE TO EDGE WHERE WATER LINES CROSS UNDER SEWER LINES. BOTH PIPES SHALL BE LAID SUCH THAT ONE FULL LENGTH OF PIPE IS CENTERED, AND THE PIPE JOINTS ARE EQUIDISTANT FROM THE POINT OF WATER/SEWER CROSSING. THE SEWER LINE SHALL BE CONSTRUCTED TO WATER MAIN STANDARDS, AND THE FIRST JOINT EITHER SIDE OF THE CROSSING SHALL BE CONCRETE ENCASED, A MINIMUM OF 2' TO EITHER SIDE OF THE POINT OF CROSSING OR THREE FULL PIPE LENGTHS, WHICHEVER IS GREATER, AND SHALL BE TESTED TO A PRESSURE OF 50 PSI (MINIMUM) FOR 15 MINUTES (MINIMUM), WITH NO LEAKAGE. WHERE A WERE LINE CROSSES OVER A WATER LINE, PROVIDE STRUCTURAL SUPPORT FOR THE SEWER LINE TO PREVENT DAMAGE TO THE WATER LINE.

- NOTES:**
- INSULATION BOARD TO BE CLOSED CELL, EXTRUDED POLYSTYRENE FOAM. SEE STANDARD SPECIFICATIONS.
  - BACKFILL MATERIAL AROUND INSULATION MUST BE FINE SAND FREE FROM ROOTS, ORGANIC MATTER, OR OTHER INJURIOUS MATERIALS, SEE STANDARD SPECIFICATIONS.
  - OVERLAP ALL INSULATION BOARD LAYERS AT JOINTS BY 2'-0" AND USE MASTIC AT ALL JOINTS.
  - SEE NOTE ASSOCIATED WITH WATER SERVICE CONNECTION DETAIL FOR ADDITIONAL INSULATION REQUIREMENTS.
  - AT ALL STORM DRAIN/CULVERT CROSSINGS BELOW WATER MAIN, CLOSER THAN 3' ADD 4" OF RIGID INSULATION, BELOW PIPE BEDDING. EXTEND INSULATION 5- FEET BOTH SIDES OF THE CROSSING.

**WATER MAIN LOCATION & RELOCATION DETAIL**  
NOT TO SCALE

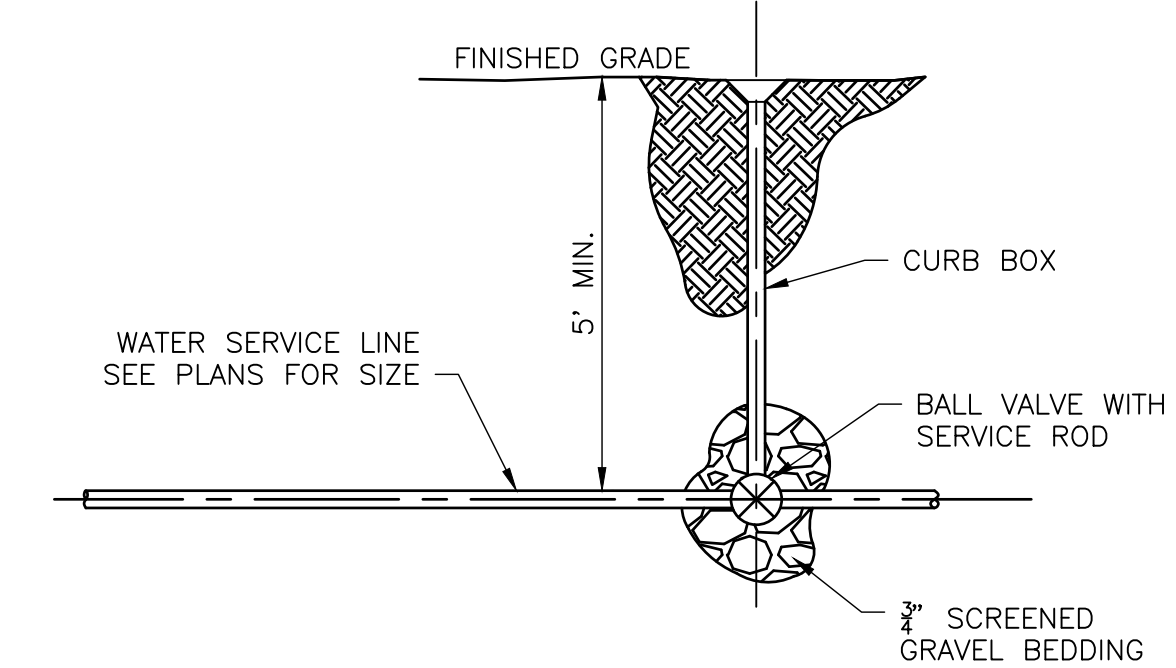


**VALVE CONNECTION RESTRAINED JOINT TEE DETAIL**  
NOT TO SCALE



- NOTE:**
- UNLESS OTHERWISE INDICATED, ALL GATE VALVES SHALL HAVE PERMANENTLY INSTALLED OPERATING RODS TERMINATING AT LEAST 2'-0" AND NOT MORE THAN 3'-0" BELOW THE TOP OF THE VALVE BOX.

**BURIED GATE VALVE DETAIL**  
NOT TO SCALE



- NOTES:**
- IF CURB BOX IS LOCATED IN A ROADWAY, OR PAVED SURFACE IT WILL BE INSTALLED WITH A VALVE BOX AND COVER.

**BALL VALVE DETAIL**  
NOT TO SCALE

| REVISIONS | REVISION DESCRIPTION | DATE | NUMBER | BY |
|-----------|----------------------|------|--------|----|
|           |                      |      |        |    |
|           |                      |      |        |    |
|           |                      |      |        |    |
|           |                      |      |        |    |
|           |                      |      |        |    |
|           |                      |      |        |    |
|           |                      |      |        |    |
|           |                      |      |        |    |
|           |                      |      |        |    |
|           |                      |      |        |    |

CLIENT NAME:  
**CHARTER OAKS VILLAGE COOPERATIVE**

PROJECT NAME:  
**PHASE 1 DISTRIBUTION SYSTEM IMPROVEMENTS**

PROJECT ADDRESS:  
ALLEN AVENUE  
ARUNDEL, MAINE

SHEET TITLE:  
**UTILITY DETAILS 2 OF 2**

D&K PROJECT # 230693  
PROJ. ENG. JTA  
DRAWN BY NDB  
CHECKED BY JTA

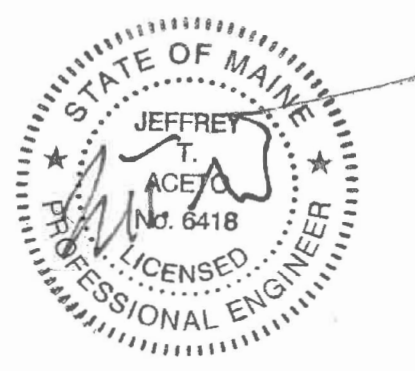
DATE: MAY 1, 2026

SHEET NUMBER:  
**C8**

ISSUED FOR BIDDING  
NOT FOR CONSTRUCTION  
05/21/26

I:\230693 CD Charter Oaks Water Improvements Arundel\Drawings\Civil\Details\230693\_DT.dwg 4/29/2026 3:33 PM

**NOT FOR CONSTRUCTION FOR BIDDING PURPOSES ONLY**



| REVISIONS | REVISION DESCRIPTION | DATE | NUMBER |
|-----------|----------------------|------|--------|
|           |                      |      |        |
|           |                      |      |        |
|           |                      |      |        |
|           |                      |      |        |
|           |                      |      |        |
|           |                      |      |        |
|           |                      |      |        |
|           |                      |      |        |
|           |                      |      |        |
|           |                      |      |        |

CLIENT NAME:  
**CHARTER OAKS VILLAGE COOPERATIVE**

PROJECT NAME:  
**PHASE 1 DISTRIBUTION SYSTEM IMPROVEMENTS**

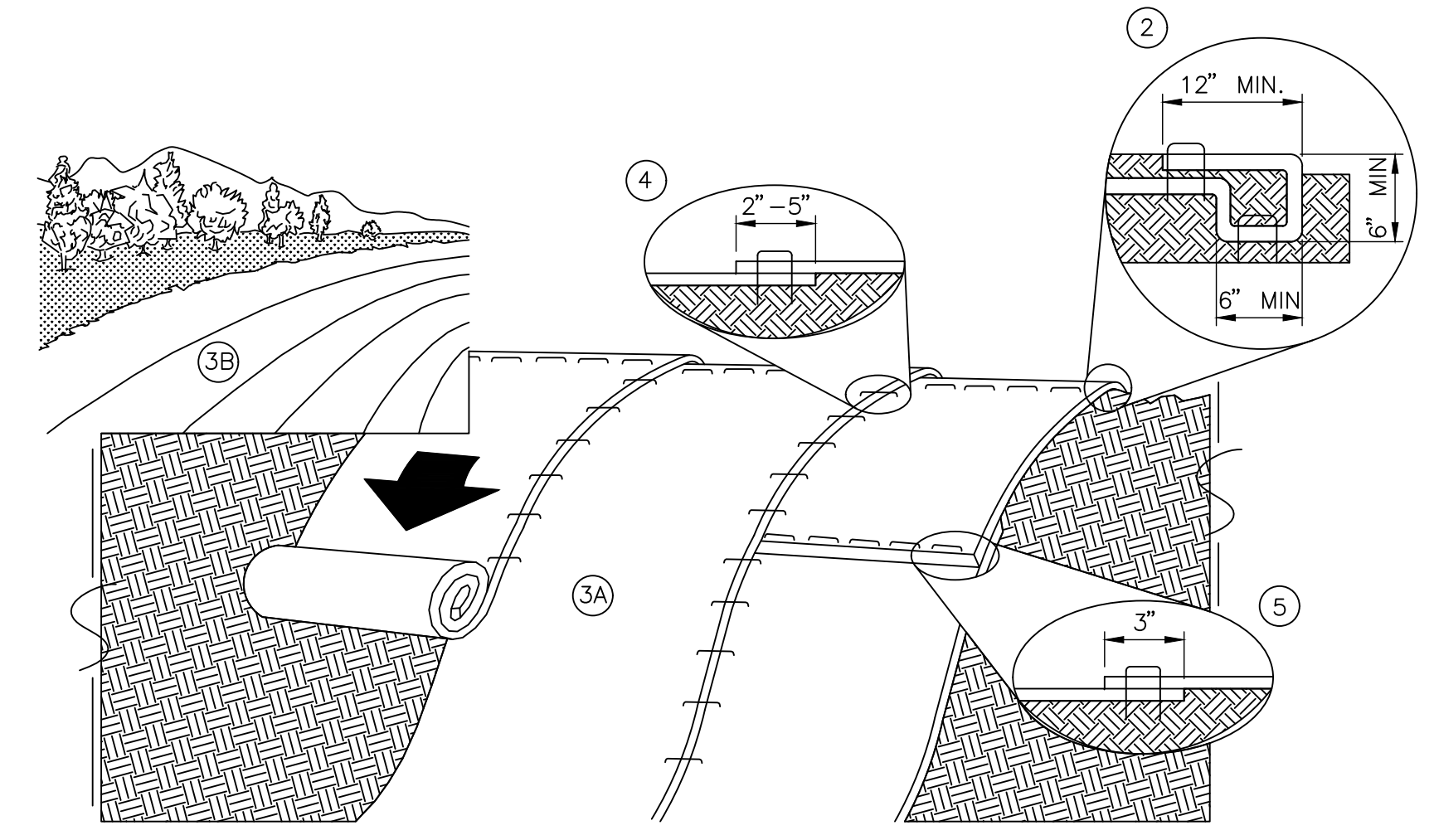
PROJECT ADDRESS:  
ALLEN AVENUE  
ARUNDEL, MAINE

SHEET TITLE:  
**EROSION CONTROL AND SITE DETAILS**

D&K PROJECT # 230693  
PROJ. ENG. JTA  
DRAWN BY NDB  
CHECKED BY JTA

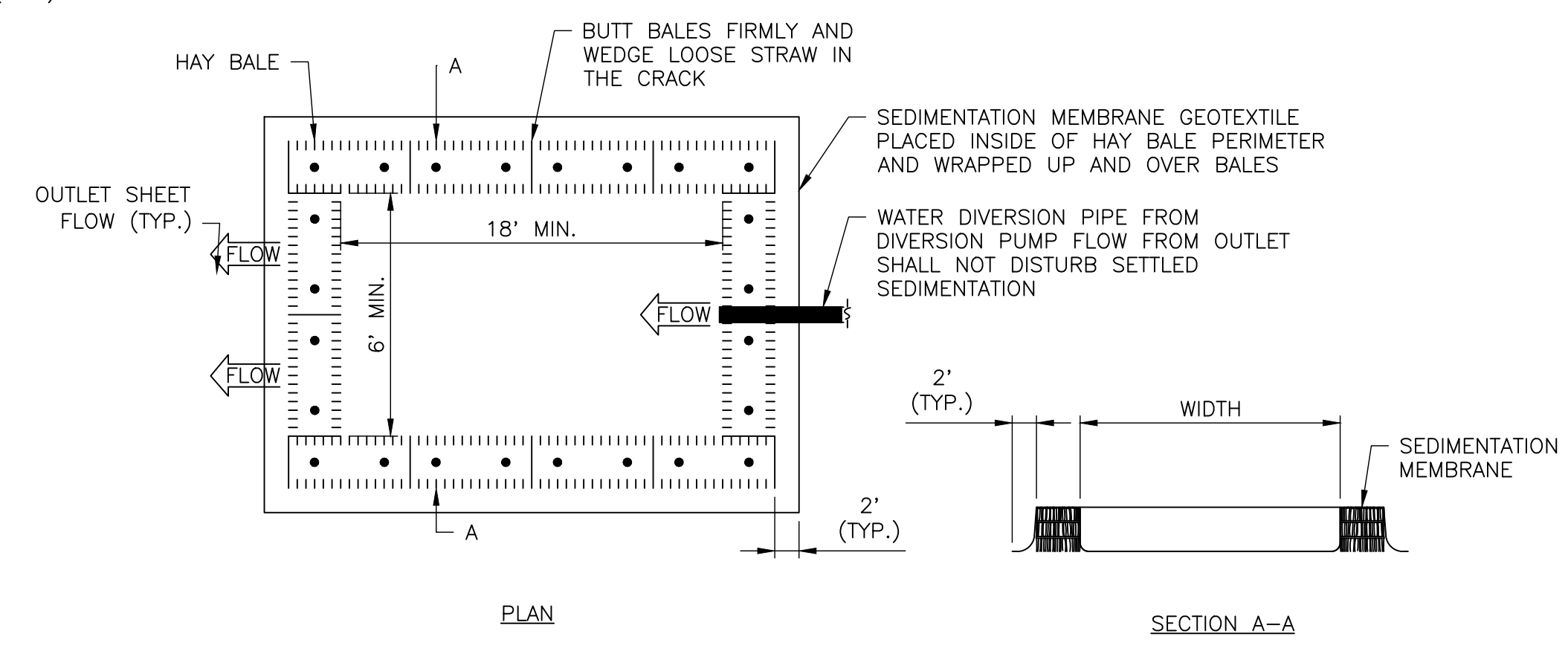
DATE: MAY 1, 2026

SHEET NUMBER:  
**C9**



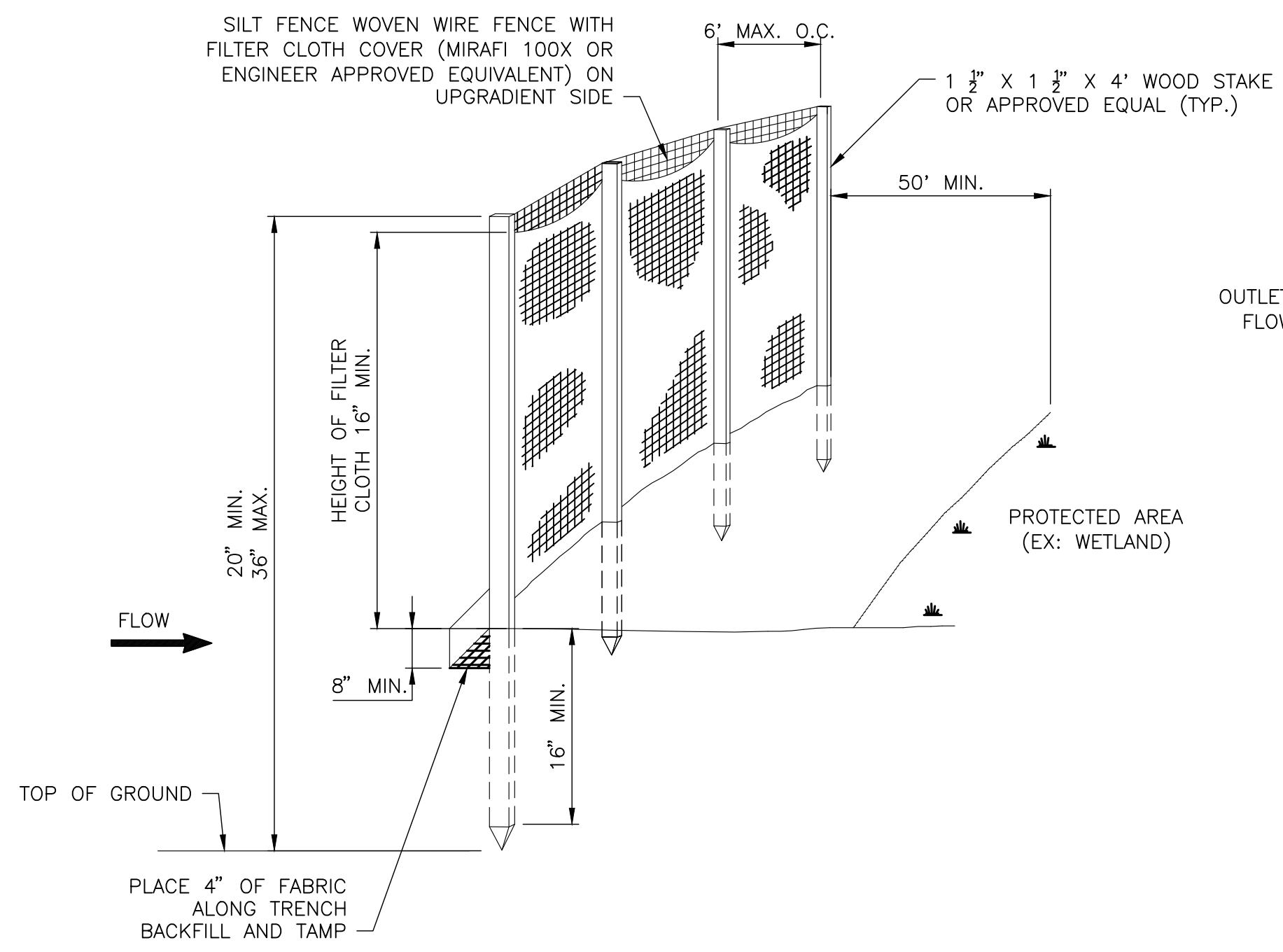
- NOTES:**
- THE MANUFACTURER'S INSTALLATION PROCEDURES SUPERCEDE THE FOLLOWING RECOMMENDED PROCEDURES.
  - PREPARE SOIL BEFORE INSTALLING PREPARED EROSION CONTROL PRODUCTS.
  - BEGIN INSTALLATION OF MATTING AT THE TOP OF THE SLOPE BY ANCHORING THE RECP IN A 6" DEEP BY 6" WIDE TRENCH WITH 12" (APPROX.) OF RECP EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECP WITH A ROW OF STAPLES/STAKES 12" (APPROX) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF RECP'S BACK OVER SEEN AND COMPACTED SOIL. SECURE RECP OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED 12" (APPROX.) APART ACROSS THE WIDTH OF THE RECP.
  - ROLL THE RECP (A.) DOWN OF (B.) HORIZONTALLY ACROSS THE SLOPE. ALL RECP MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS.
  - THE EDGES OF PARALLEL RECP'S SHALL BE STAPLED WITH A 2" TO 5" (APPROX.) OVERLAP.
  - CONSECUTIVE RECP SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH A 3" (APPROX.) OVERLAP. STAPLE THROUGH OVERLAPPED AREA 12" (APPROX.) APART ACROSS ENTIRE RECP WIDTH.
  - IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE THE RECP.

**SLOPE STABILIZATION MATTING DETAIL**  
NOT TO SCALE

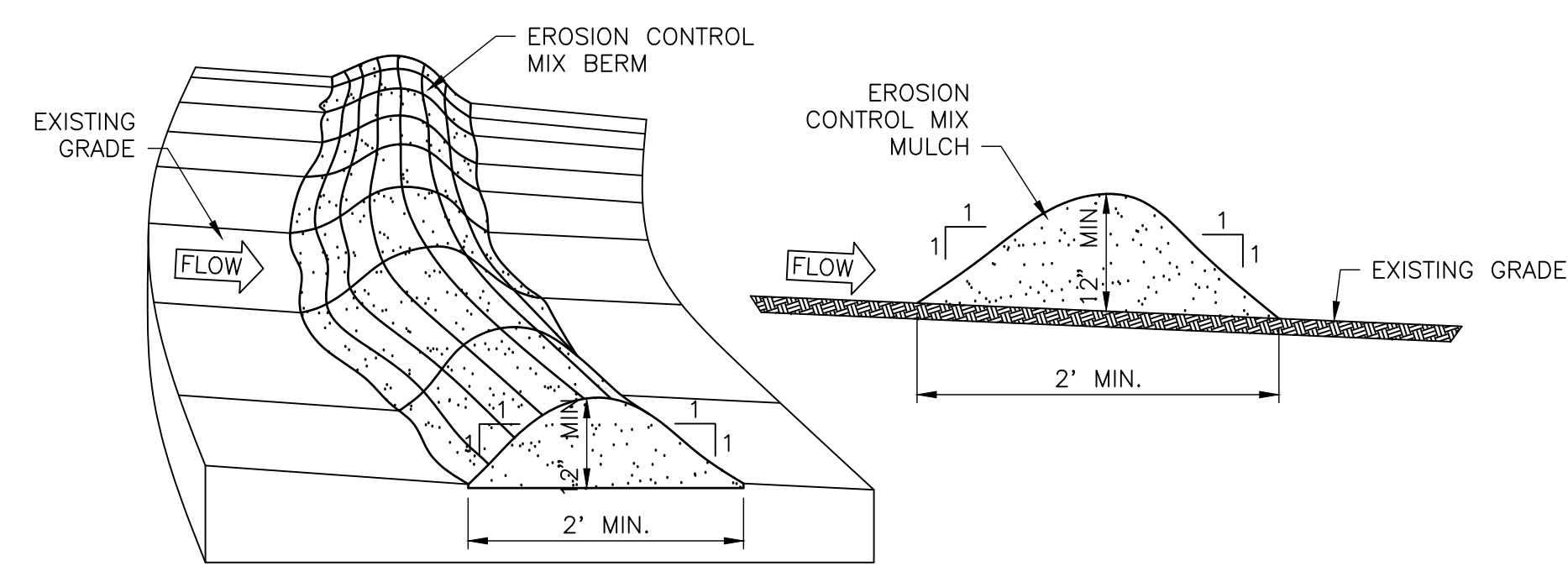


- NOTES:**
- THE BALES SHALL BE WIRE OR NYLON TIED, TO PRESERVE THE BINDINGS AS LONG AS POSSIBLE, THE BALES SHOULD BE INSTALLED WITH THE BINDINGS LOCATED AROUND THE SIDES OF THE BALE RATHER THAN ALONG THE TOP AND BOTTOM OF THE BALE.
  - DIMENSIONS OF SEDIMENTATION BASING SHALL BE FIELD DETERMINED TO ENSURE THAT OUTLET FLOW IS CLEAN OF SEDIMENT. LENGTHEN SEDIMENTATION BASIN AS NECESSARY TO ENSURE CLEAR OUTFLOW. OUTFLOW OF SEDIMENTATION BASIN SHALL BE LOCATED OPPOSITE FROM INFLOW OF DIVERSION PIPE.
  - INLET DIVERSION PIPE SHALL NOT BE LOCATED ALONG THE BOTTOM OF BASIN TO PREVENT DISTURBANCE OF SETTLED SEDIMENTATION.
  - COLLECTED SEDIMENT SHALL BE REMOVED ONCE ACCUMULATION HAS BEEN RECORDED TO A MAXIMUM DEPTH OF 4".

**TEMPORARY SEDIMENTATION BASIN DETAIL**  
NOT TO SCALE



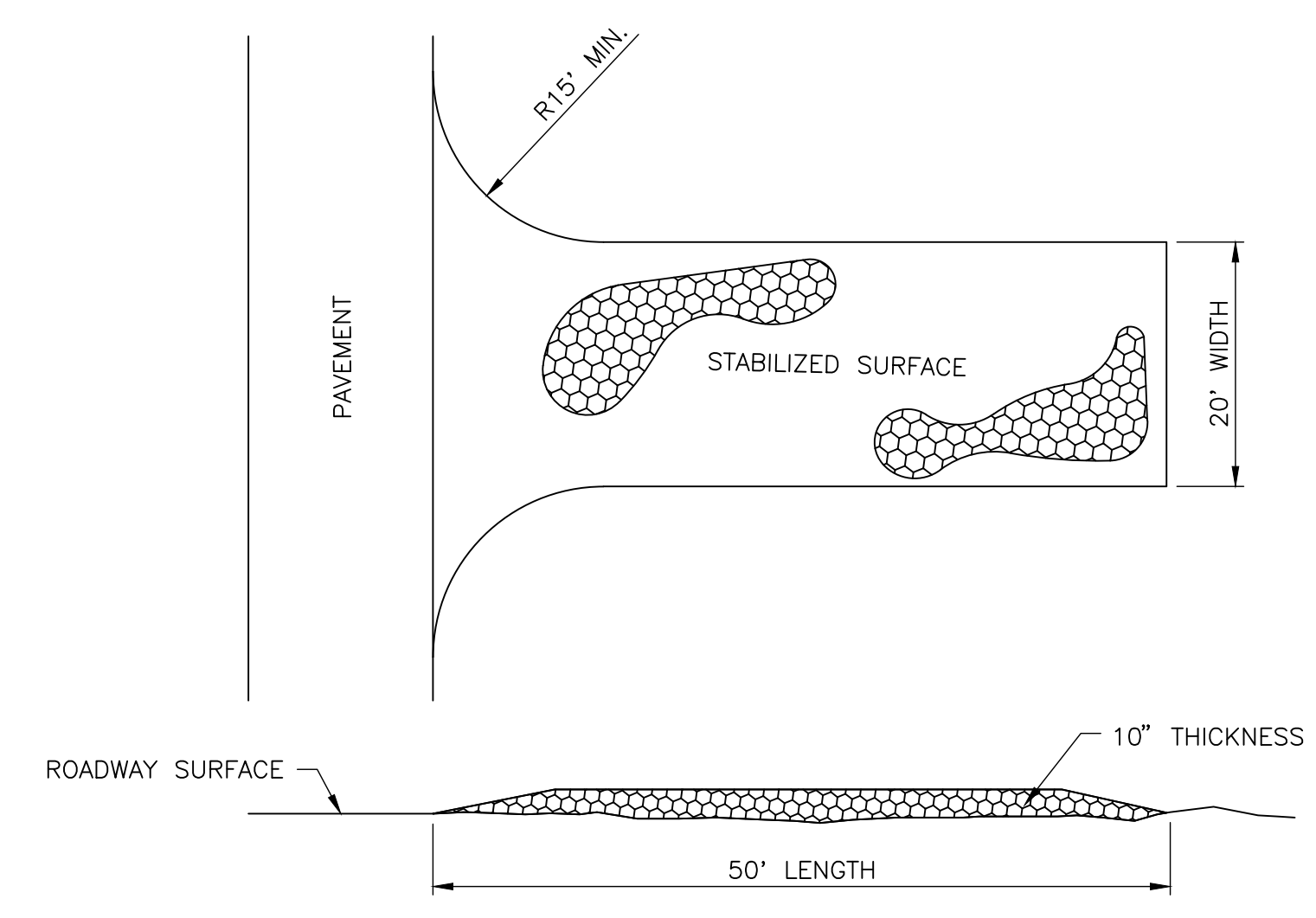
**TEMPORARY SILT FENCE BARRIER**  
NOT TO SCALE



- NOTES:**
- IT MAY BE NECESSARY TO CUT, PACK DOWN, OR REMOVE TALL GRASSES, BRUSH, OR WOODY VEGETATION TO AVOID VOIDS AND BRIDGES THAT ALLOW THE WASHING AWAY OF FINE SOIL PARTICLES.
  - THE ECM BERM SHOULD BE A MINIMUM OF 12" HIGH AND A MINIMUM OF 2' WIDE. ON LONGER OR STEEPER SLOPES, THE BERM WILL NEED TO BE WIDER AND HIGHER.
  - ECM BERM CAN BE RESHAPED WHEN NECESSARY.

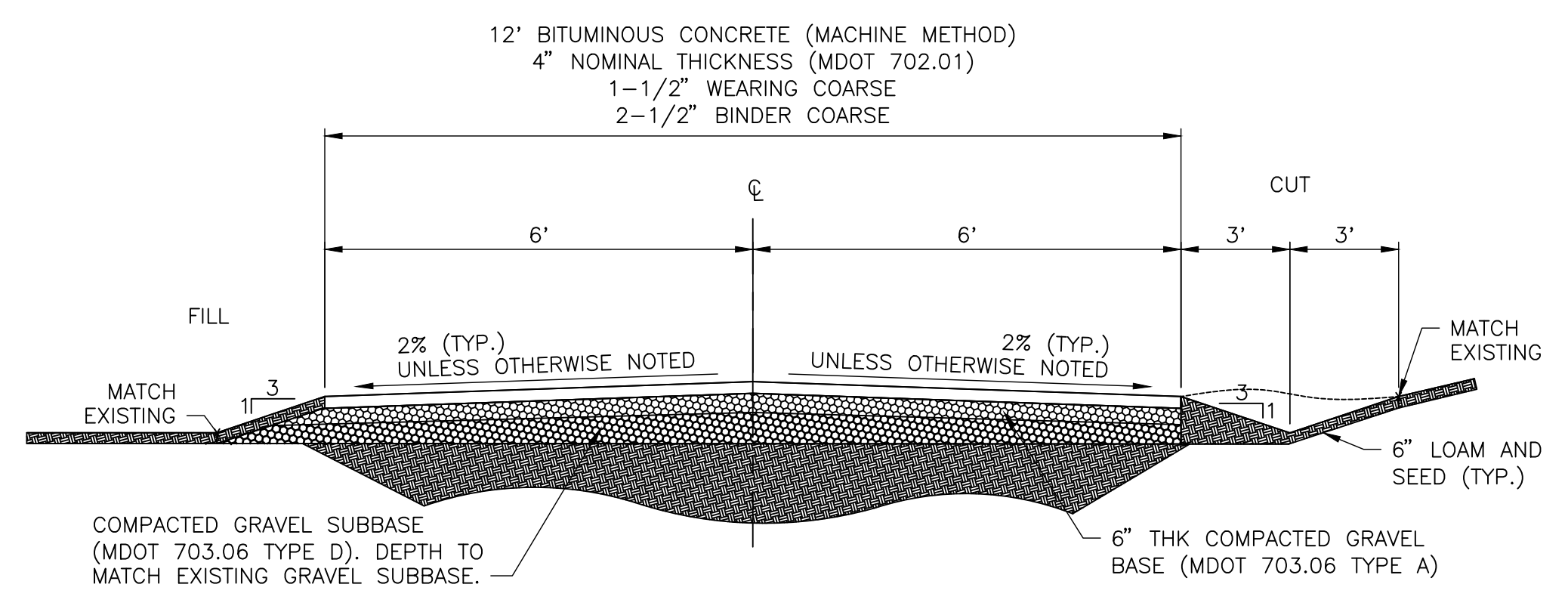
- EROSION CONTROL MIX:**
- SOURCE OF ECM TO BE STUMP GRINDINGS. SOIL SHOULD NOT BE REMOVED FROM THE ROOT BALL BEFORE GRINDING AS IT ADDS STRUCTURE TO THE MEDIA. THE MIX MUST BE WELL GRADED WITH AN ORGANIC COMPONENT BETWEEN 50-100% OF DRY WEIGHT THAT IS COMPOSED OF FIBROUS AND ELONGATED FRAGMENTS.
  - THE MINERAL PORTION OF MIX SHOULD INCLUDE ROCKS NO LARGER THAN 4" DIA. OR LARGE AMOUNTS OF FINES (SILT AND CLAY). IN STUMP GRINDING, THE MINERAL SOIL ORIGINATES FROM THE ROOT BALL.
  - THE MIX SHOULD BE FREE OF REFUSE, MATERIAL TOXIC TO PLANT GROWTH, OR UNSUITABLE MATERIAL (BARK CHIPS, GROUND CONSTRUCTION DEBRIS, OR REPROCESSED WOOD PRODUCTS).

**EROSION CONTROL MIX BERM**  
NOT TO SCALE



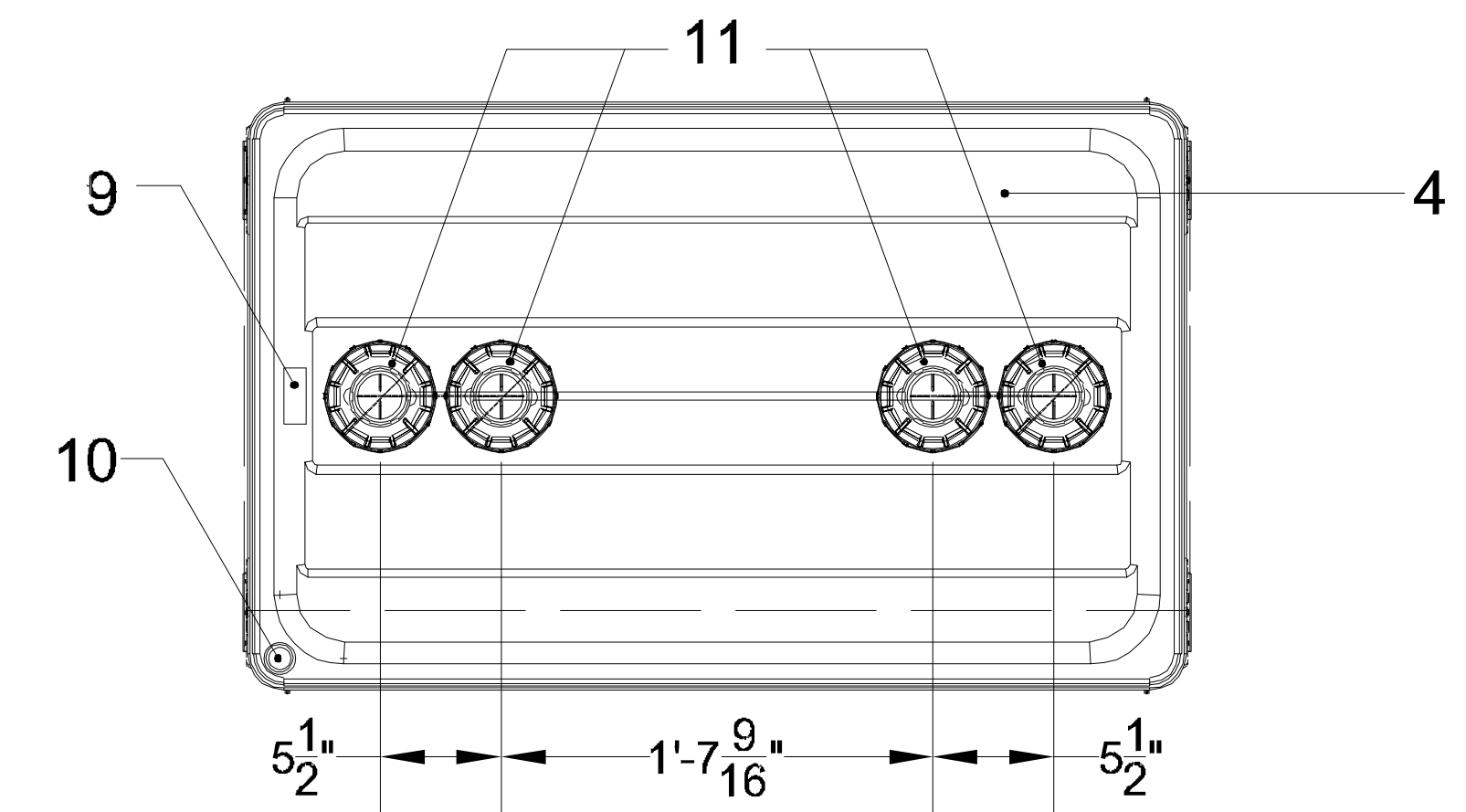
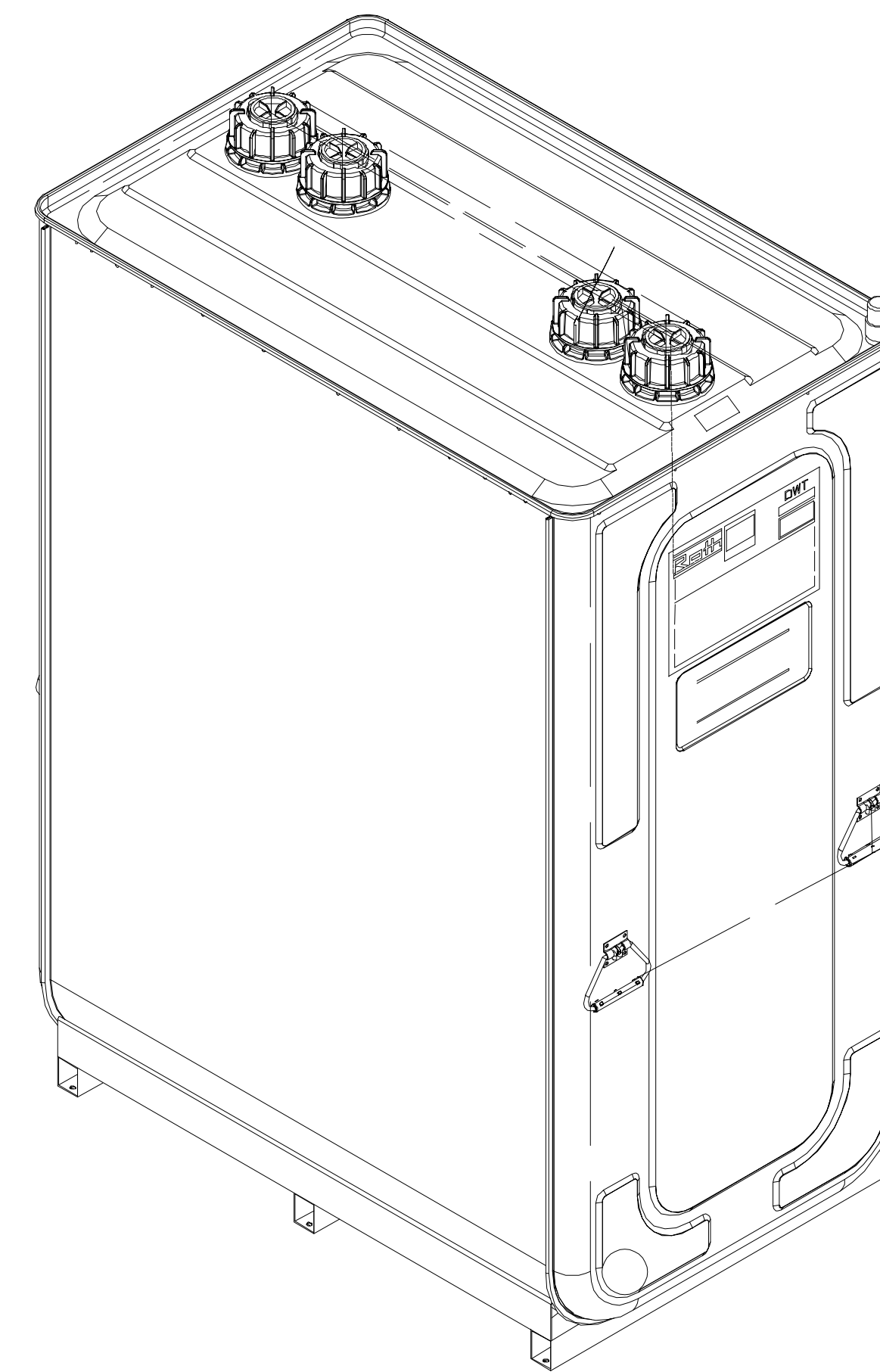
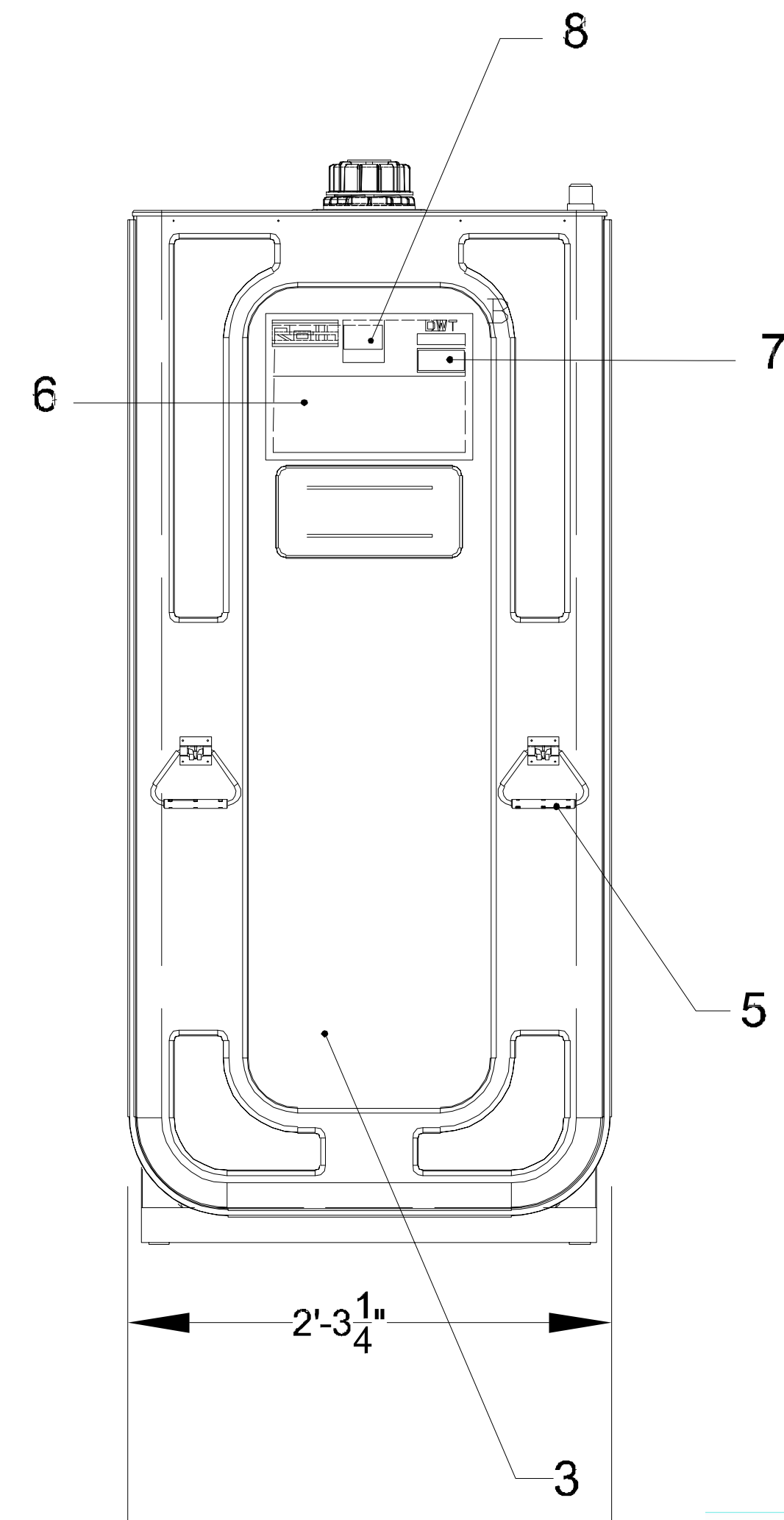
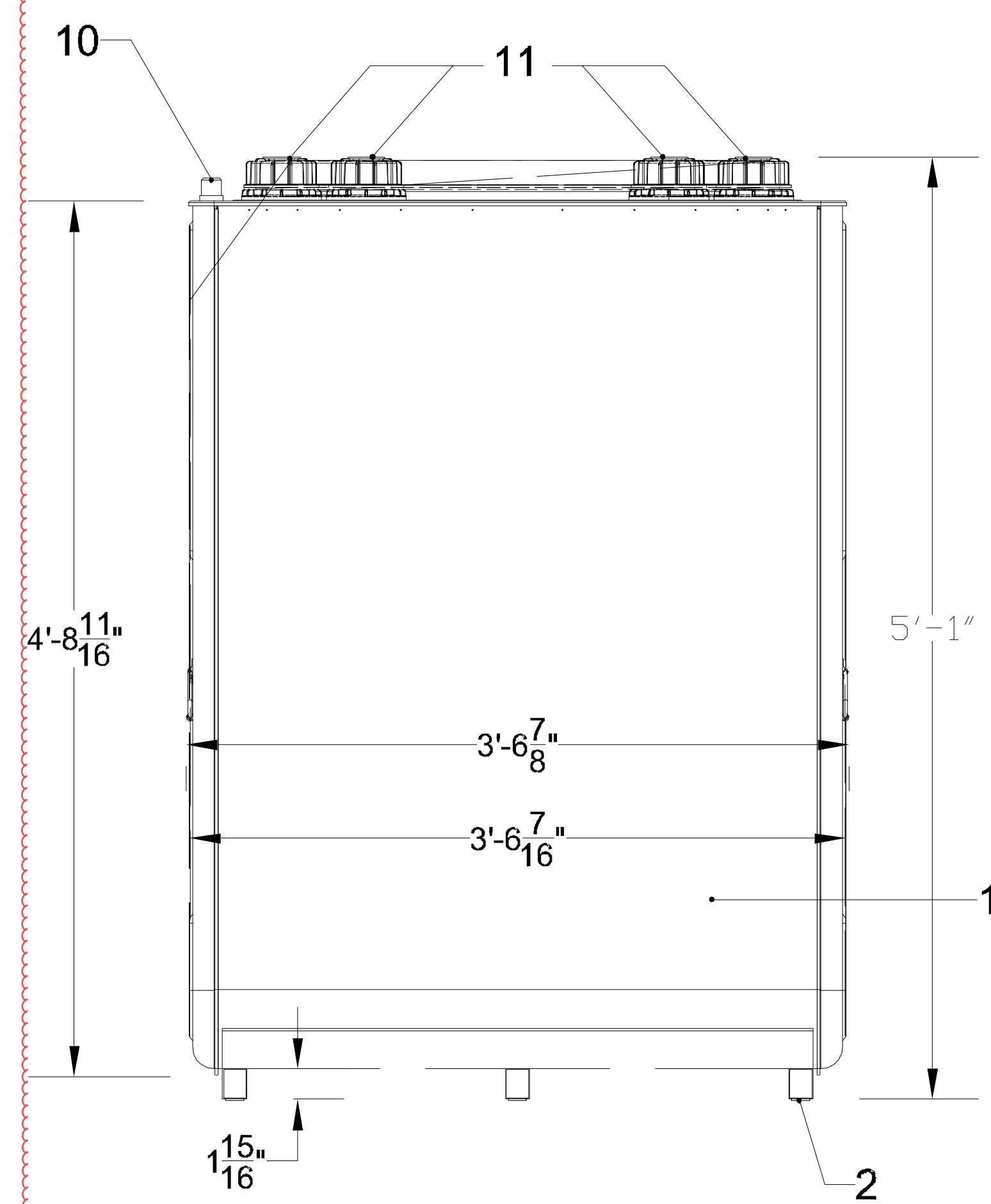
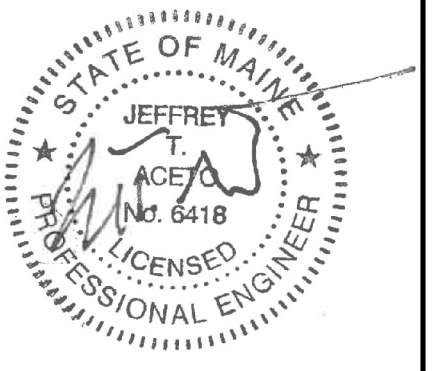
- MAINTENANCE:**
- IN THE EVENT THAT MUD OR SOIL PARTICLES CLOG THE VOIDS OF THE CONSTRUCTION ENTRANCE, THE CONSTRUCTION ENTRANCE SHOULD BE TOPDRESSED WITH NEW STONE. COMPLETE REPLACEMENT OF THE CONSTRUCTION ENTRANCE MAY BE REQUIRED.
  - IF WASH FACILITIES ARE USED, SEDIMENTATION TRAPS SHOULD BE CLEANED AS OFTEN AS NECESSARY TO ASSURE THAT ADEQUATE PERFORMANCE OF SEDIMENTATION COLLECTION AND STORAGE IS AVAILABLE.

**STABILIZED CONSTRUCTION ENTRANCE**  
(TEMPORARY, TO BE REMOVED PRIOR TO FINAL PAVING)  
NOT TO SCALE



**TYPICAL ROADWAY SECTION DETAIL**  
NOT TO SCALE

**NOT FOR CONSTRUCTION FOR BIDDING PURPOSES ONLY**



**275-GALLON ABOVE-GROUND FUEL OIL TANK**  
NOT TO SCALE

**DIAGRAM PARTS:**

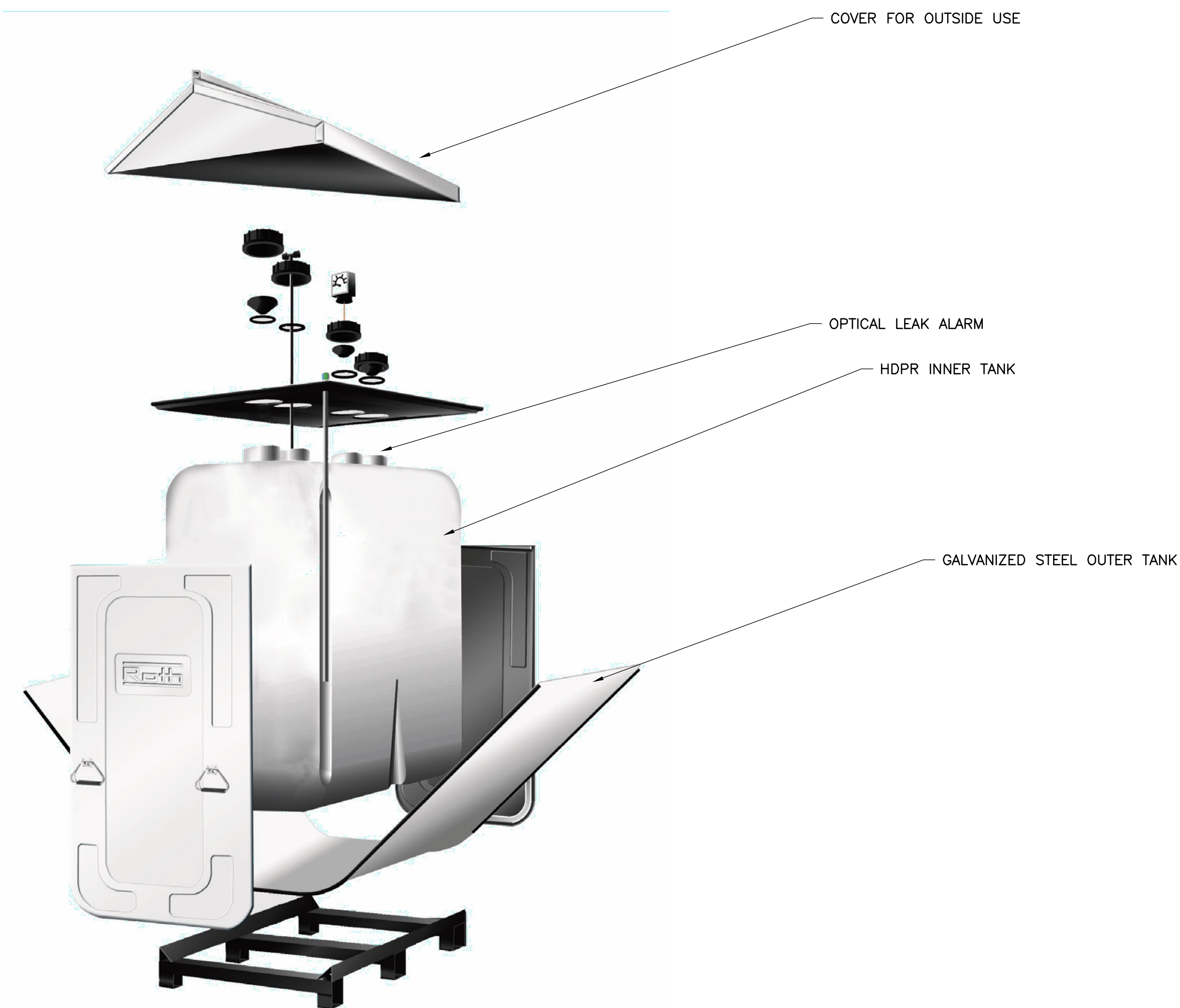
1. TANK SIDE
2. TANK BASE
3. TANK END
4. TANK TOP
5. HANDLE
6. WARNING LABEL
7. SERIAL NUMBER
8. UL NUMBER
9. SERIAL NUMBER
10. LEAK INDICATOR
11. CONNECTION MOLDED INTO INNER TANK

**SPECIFICATIONS:**

- HEIGHT = 61"
- WIDTH = 28"
- LENGTH = 43"
- WEIGHT = 167 LB.
- CAPACITY = 275 GAL.
- OUTER TANK CAPACITY = 110% OF INNER TANK
- OUTER TANK = 19 GA. GALVANIZED STEEL
- INNER TANK = 1/8" THICK HIGH DENSITY POLYETHYLENE

**ABOVE-GROUND STORAGE TANK (AST) NOTES**

1. EACH AST SHALL INCLUDE SECONDARY CONTAINMENT, A ROOF COVER TO PROTECT THE TANK FROM ICE AND OTHER FALL HAZARDS, AND A CONCRETE LEVELING PAD.
2. EACH AST SHALL BE INSTALLED ON A CONCRETE PAD AT LEAST 4-INCHES THICK AND A FOOTPRINT EXCEEDING THE DIMENSIONS OF THE TANK BY AT LEAST 10%.
3. EXISTING ASTs SHALL BE DISCONNECTED AND DISPOSED OF OFF-SITE BY THE CONTRACTOR IN ACCORDANCE WITH APPLICABLE STATE AND FEDERAL REGULATIONS.
4. EACH TANK SHALL BE EQUIPPED WITH BALL VALVE SHUTOFFS AND A FILTER ON THE FUEL LINES. CONTRACTOR TO INSPECT EXISTING FUEL LINES AND REPLACE ANY MISSING, POOR CONDITION, OR DAMAGED SHUTOFFS OR FILTERS WITH NEW BALL VALVE SHUTOFFS AND FUEL FILTERS.
5. EACH TANK SHALL BE EQUIPPED WITH AN OPERATIONAL OVERFILL VENT ALARM THAT TERMINATES WITHIN 12 FEET OF THE FILL PIPE AND IS VISIBLE FROM THE FILL PIPE.
6. FILL AND VENT PIPES SHALL BE A MINIMUM OF 1-1/4 INCHES AND MADE OF METAL (SCHEDULED 40 STEEL OR BRASS) AND FITTED WITH APPROPRIATE CAPS.
7. ANY PIPING OR FUEL LINES IN DIRECT CONTACT WITH EARTHEN MATERIALS OR CONCRETE SHALL BE COATED AND SLEEVED TO PROTECT FROM CORROSION AND DAMAGE.
8. TANK LEGS SHALL NOT EXCEED 14 INCHES IN LENGTH.
9. ANY UNUSED TANK OPENINGS SHALL BE PLUGGED/CLOSED.



| REVISIONS | DATE      | BY  | REVISION DESCRIPTION |
|-----------|-----------|-----|----------------------|
| 1         | 5/21/2026 | SAW | ADD SHEET TO BID SET |

CLIENT NAME:  
**CHARTER OAKS VILLAGE COOPERATIVE**

PROJECT NAME:  
**PHASE 1 DISTRIBUTION SYSTEM IMPROVEMENTS**  
PROJECT ADDRESS:  
ALLEN AVENUE  
ARUNDEL, MAINE

SHEET TITLE:  
**FUEL OIL AST DETAILS**

|               |            |
|---------------|------------|
| D&K PROJECT # | PROJ. ENG. |
| 230693        | JTA        |
| DRAWN BY      | CHECKED BY |
| NDB           | JTA        |

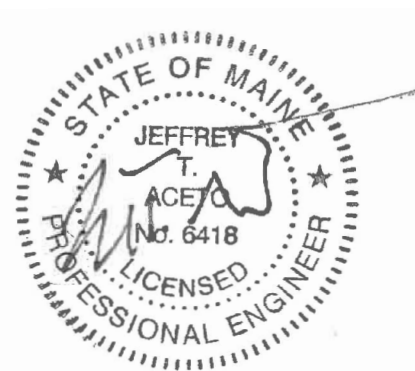
DATE: MAY 1, 2026

SHEET NUMBER

**C10**

ISSUED FOR BIDDING  
NOT FOR CONSTRUCTION 05/21/26

**NOT FOR CONSTRUCTION FOR BIDDING PURPOSES ONLY**



GENERAL EROSION AND SEDIMENTATION CONTROL NOTES:

THIS PLAN HAS BEEN DEVELOPED AS A STRATEGY TO CONTROL SOIL EROSION AND SEDIMENTATION DURING AND AFTER CONSTRUCTION. THIS PLAN IS BASED ON THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION STORMWATER BEST MANAGEMENT PRACTICES MANUAL. THE PROPOSED LOCATIONS OF EROSION CONTROL BEST MANAGEMENT PRACTICES (TO BE INSTALLED AT A MINIMUM) ARE SHOWN IN THE PLAN SET HEREIN.

1. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE DONE IN ACCORDANCE WITH THE "MAINE EROSION AND SEDIMENTATION CONTROL PRACTICES FIELD GUIDE FOR CONTRACTORS", DATED 2014 (OR CURRENT EDITION), AND THE "MAINE STORMWATER BEST PRACTICES MANUAL", PUBLISHED BY THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION ; DATED 2016 (OR CURRENT EDITION).
2. THOSE AREAS UNDERGOING ACTUAL CONSTRUCTION SHALL BE MAINTAINED IN AN UNTREATED OR UNVEGETATED CONDITION FOR THE MINIMUM TIME REQUIRED. IN GENERAL, ALL DISTURBED AREAS SHALL NOT BE LEFT BARE FOR MORE THAN 30 DAYS, SHALL BE STABILIZED IN A MANNER TO MITIGATE EROSION OR SEDIMENTATION FROM EXITING THE LIMIT OF WORK AND SHALL BE RESTORED IN-KIND UPON COMPLETION OF THE PROJECT. THE MAXIMUM AREA ALLOWED TO BE DISTURBED AND LEFT UNSTABILIZED IS TWO (2) ACRES AT ANY ONE TIME.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSPECT, MONITOR, AND MAINTAIN ALL EROSION CONTROL STRUCTURES.
4. SEDIMENT BARRIERS (SILT FENCE, EROSION CONTROL MIX BERM) SHALL BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE OF UP-GRADIENT DRAINAGE AREAS.
5. ALL EXISTING STORM DRAINAGE INLETS SHALL BE PROTECTED BY STRAW BALE FILTERS AND CATCH BASIN FILTER BASKETS TO PREVENT ENTRY OF SEDIMENT FROM RUNOFF WATERS INTO THE STORM DRAIN SYSTEM.
6. NO TREES ARE TO BE REMOVED OUTSIDE THE LIMITS OF PROPOSED CLEARING. IF TREES DESIGNATED TO BE SAVED ARE DAMAGED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING THEM AT NO COST TO THE OWNER OR THE OWNER'S REPRESENTATIVE.
7. SLOPES, EITHER PERMANENT OR TEMPORARY, WITH SLOPES BETWEEN 3 HORIZONTAL TO ONE VERTICAL (3:1) AND 2 HORIZONTAL TO ONE VERTICAL (2:1) SHALL BE STABILIZED WITH EROSION CONTROL BLANKETS AND ANCHORED MULCH NETTING (100% BIODEGRADABLE – PLASTIC NETTING WILL NOT BE ALLOWED – AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS). SLOPES STEEPER THAN TWO HORIZONTAL TO ON VERTICAL (2:1) SHALL BE STABILIZED WITH RIPRAP.
8. CUT AND FILL AREAS ARE TO BE STABILIZED AS SOON AS PRACTICABLE BUT NO LATER THAN 72 HOURS FOLLOWING FINAL GRADING.
9. ALL AREAS OF EXPOSED OR DISTURBED SOIL TO BE STABILIZED AS SOON AS PRACTICABLE BUT NO LATER THAN 45 DAYS FROM THE TIME OF INITIAL DISTURBANCE, UNLESS A SHORTER TIME IS SPECIFIED BY LOCAL AUTHORITIES, THE CONSTRUCTION SEQUENCE APPROVED AS PART OF THE ISSUED PERMIT, OR AN INDEPENDENT MONITOR.
10. TEMPORARY OR PERMANENT COVER MUST BE IN PLACE BEFORE THE GROWING SEASON ENDS. WHEN SEEDED AREAS ARE MULCHED, PLANTINGS MAY BE MADE FROM EARLY SPRING TO EARLY OCTOBER. WHEN SEEDED AREAS ARE NOT MULCHED, SEED SHOULD BE PLACED FROM EARLY SPRING TO MAY 20 OR FROM AUGUST 15 TO SEPTEMBER 15. NO DISTURBED AREAS SHALL BE LEFT EXPOSED DURING WINTER MONTHS (NOVEMBER THROUGH MARCH). SEE WINTER CONSTRUCTION NOTES. PLANT ANNUAL RYE GRASS PRIOR TO OCTOBER 15TH.
11. AFTER OCTOBER 15TH: WHERE MULCH IS USED, IT SHALL BE APPLIED AT TWICE THE RATE AS DURING REGULAR CONSTRUCTION SEASON TO PROVIDE ADDITIONAL PROTECTION. SNOW AND ICE SHALL BE REMOVED TO A THICKNESS LESS THAN ONE INCH BEFORE APPLYING MULCH (IF APPLICABLE) TO DISTURBED SOILS. WHERE FINISHED GRADE IS ACHIEVED, OR BEFORE FORECASTED THAW OR SPRING MELT, MULCH MUST BE SECURED WITH EROSION CONTROL NETTING, TRACKING, OR OTHER METHOD. DIVERSION SWALES OR DITCHES WITHOUT STABILIZED VEGETATION BY OCTOBER 15TH SHALL BE STABILIZED WITH STONE FILL OR EROSION CONTROL NETTING AS APPROVED BY OWNER OR OWNER'S DESIGNATED REPRESENTATIVE.
12. ONCE DISTURBED AREAS HAVE BEEN STABILIZED AND VEGETATION IS ESTABLISHED, ALL TEMPORARY EROSION CONTROL MEASURES SUCH AS SILT FENCE SHALL BE REMOVED. AREAS DISTURBED BY REMOVAL OF THESE MEASURES SHALL BE IMMEDIATELY SEEDED ACCORDING TO SEEDING SPECIFICATIONS ON THESE DRAWINGS.
13. SPECIES CONSIDERED LOCALLY INVASIVE OR NOXIOUS MAY NOT BE USED.
14. USE ONLY PHOSPHATE FERTILIZERS WITHIN 20' OF SURFACE WATERS.
15. DURING THE CONSTRUCTION PHASE, INTERCEPTED SEDIMENT WILL BE RETURNED TO THE SITE AND RE-GRADED ONTO OPEN AREAS. POST SEEDING SEDIMENT, IF ANY, WILL BE DISPOSED OF IN AN ACCEPTABLE MANNER.
16. RE-VEGETATION MEASURES WILL COMMENCE UPON COMPLETION OF CONSTRUCTION EXCEPT AS NOTES ABOVE. ALL DISTURBED AREAS NOT OTHERWISE STABILIZED WILL BE GRADED, SMOOTHED, AND RE-VEGETATED AS FOLLOWS:
  - 16.1. A MINIMUM OF FOUR (4) INCHES OF LOAM WILL BE SPREAD OVER DISTURBED AREAS AND SMOOTHED TO A UNIFORM SURFACE.
  - 16.2. APPLY LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST. IF SOIL TESTING IS NOT DEEMED FEASIBLE ON SMALL OR VARIABLE SITES, OR WHERE TIMING IS CRITICAL, FERTILIZER MAY BE APPLIED AT A RATE OF 800 POUNDS PER ACRE OR 18.4 POUNDS PER 1,000 SQUARE FEET USING 10-20-20 (N-P205-K20) OR EQUIVALENT. APPLY GROUND LIMESTONE (EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDE) AT A RATE OF 3 TONS PER ACRE (138 POUNDS PER 1,000 SQUARE FEET).
  - 16.3. FOLLOWING SEED BED PREPARATION, DITCHES AND BACK SLOPES WILL BE SEEDED WITH A MIXTURE OF 47% CREEPING RED FESCUE, 5% REDTOP, AND 48% TALL FESCUE. THE LAWN AREAS WILL BE SEEDED WITH A PREMIUM TURF MIXTURE OF 44% KENTUCKY BLUEGRASS, 44% CREEPING RED FESCUE, AND 12% PERENNIAL RYE GRASS. SEEDING RATE IS 1.03 LBS PER 1000 SQ. FT. LAWN QUALITY SOD MAY BE SUBSTITUTED FOR SEED.
  - 16.4. HAY MULCH AT THE RATE OF 70-90 LBS PER 1000 SQUARE FEET FOR OVER 75% COVERAGE OR A HYDRO- APPLICATION OF CELLULOSE FIBER AT THE RATE OF 40 LBS PER 1,000 SQ. FT. SHALL BE APPLIED FOLLOWING SEEDING. A SUITABLE BINDER WILL BE USED ON HAY MULCH FOR WIND CONTROL.
17. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED ONCE THE SITE IS STABILIZED.
18. AN AREA IS CONSIDERED "STABLE" IF ONE OF THE FOLLOWING HAS OCCURRED: BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED; A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED; A MINIMUM OF 3" OF NON-EROSIVE MATERIAL (SUCH AS STONE RIP RAP OR A CERTIFIED COMPOST BLANKET) HAS BEEN INSTALLED; OR EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
19. WETLANDS (EXCEPT THOSE WHICH ARE TO BE FILLED IN ACCORDANCE WITH STATE AND FEDERAL REGULATIONS) WILL BE PROTECTED WITH SILT FENCE INSTALLED AT THE EDGE OF THE WETLAND OR THE BOUNDARY OF WETLAND DISTURBANCE.
20. 20. IN GENERAL, AREAS WITHIN 100 FEET OF DELINEATED WETLANDS OR STREAMS SHALL HAVE A MAXIMUM PERIOD OF EXPOSURE OF NOT MORE THAN 15 DAYS.
21. FOLLOW APPROPRIATE EROSION CONTROL MEASURES PRIOR TO EACH STORM IN ALL AREAS WITHIN 100 FEET OF DELINEATED WETLANDS OR STREAMS.

INSPECTION AND MAINTENANCE NOTES:

1. DURING CONSTRUCTION: THE FOLLOWING STANDARDS MUST BE MET DURING CONSTRUCTION.
  - 1.1. INSPECTION AND CORRECTIVE ACTION. 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.
  - 1.2. MAINTENANCE. 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.
  - 1.3. DOCUMENTATION. KEEP A LOG (REPORT) SUMMARIZING THE INSPECTIONS AND ANY CORRECTIVE ACTION TAKEN. THE LOG MUST INCLUDE THE NAME(S) AND QUALIFICATIONS OF THE PERSON MAKING THE INSPECTIONS, THE DATE(S) OF THE INSPECTIONS, AND MAJOR OBSERVATIONS ABOUT THE OPERATION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROLS, MATERIALS STORAGE AREAS, AND VEHICLES ACCESS POINTS TO THE PARCEL. MAJOR OBSERVATIONS MUST INCLUDE BMPS THAT NEED MAINTENANCE, BMPS THAT FAILED TO OPERATE AS DESIGNED OR PROVED INADEQUATE FOR A PARTICULAR LOCATION, AND LOCATION(S) WHERE ADDITIONAL BMPS ARE NEEDED. FOR EACH BMP REQUIRING MAINTENANCE, BMP NEEDING REPLACEMENT, AND LOCATION NEEDING ADDITIONAL BMPS, NOTE IN THE LOG THE CORRECTIVE ACTION TAKEN AND WHEN IT WAS TAKEN.  
  
THE LOG MUST BE MADE ACCESSIBLE TO DEPARTMENT STAFF AND A COPY MUST BE PROVIDED UPON REQUEST. THE PERMITTEE SHALL RETAIN A COPY OF THE LOG FOR A PERIOD OF AT LEAST THREE YEARS FROM THE COMPLETION OF PERMANENT STABILIZATION.
2. POST-CONSTRUCTION: THE FOLLOWING STANDARDS MUST BE MET AFTER CONSTRUCTION.
  - 2.1. PLAN. CARRY OUT AN APPROVED INSPECTION AND MAINTENANCE PLAN THAT IS CONSISTENT WITH THE MINIMUM REQUIREMENTS OF THIS SECTION. THE PLAN MUST ADDRESS INSPECTION AND MAINTENANCE OF THE PROJECT'S PERMANENT EROSION CONTROL MEASURES AND STORMWATER MANAGEMENT SYSTEM.
  - 2.2. INSPECTION AND MAINTENANCE. ALL MEASURES MUST BE MAINTAINED IN EFFECTIVE OPERATING CONDITION. A PERSON WITH KNOWLEDGE OF EROSION AND STORMWATER CONTROL, INCLUDING THE STANDARDS AND CONDITIONS IN THE PERMIT, SHALL CONDUCT THE INSPECTIONS. THE FOLLOWING AREAS, FACILITIES, AND MEASURES MUST BE INSPECTED AND IDENTIFIED DEFICIENCIES MUST BE CORRECTED. AREAS, FACILITIES, AND MEASURES OTHER THAN THOSE LISTED BELOW MAY ALSO REQUIRE INSPECTION ON A SPECIFIC SITE. INSPECTION OR MAINTENANCE TASKS OTHER THAN THOSE DISCUSSED BELOW MUST BE INCLUDED IN THE MAINTENANCE PLAN DEVELOPED FOR A SPECIFIC SITE.
    - 2.2.1. INSPECT VEGETATED AREAS, PARTICULARLY SLOPES AND EMBANKMENTS, EARLY IN THE GROWING SEASON OR AFTER HEAVY RAINS TO IDENTIFY ACTIVE OR POTENTIAL EROSION PROBLEMS. REPLANT BARE AREAS OR AREAS WITH SPARSE GROWTH. WHERE RILL EROSION IS EVIDENT, ARMOR THE AREA WITH AN APPROPRIATE LINING OR DIVERT THE EROSION FLOWS TO ON-SITE AREAS ABLE TO WITHSTAND THE CONCENTRATED FLOWS. SEE PERMANENT STABILIZATION STANDARDS IN GENERAL EROSION AND SEDIMENTATION CONTROL NOTES.
    - 2.2.2. INSPECT DITCHES, SWALES AND OTHER OPEN STORMWATER CHANNELS IN THE SPRING, IN LATE FALL, AND AFTER HEAVY RAINS TO REMOVE ANY OBSTRUCTIONS TO FLOW, REMOVE ACCUMULATED SEDIMENTS AND DEBRIS, TO CONTROL VEGETATED GROWTH THAT COULD OBSTRUCT FLOW, AND TO REPAIR ANY EROSION OF THE DITCH LINING. VEGETATED DITCHES MUST BE MOWED AT LEAST ANNUALLY OR OTHERWISE MAINTAINED TO CONTROL THE GROWTH OF WOODY VEGETATION AND MAINTAIN FLOW CAPACITY. ANY WOODY VEGETATION GROWING THROUGH RIPRAP LININGS MUST ALSO BE REMOVED. REPAIR ANY SLUMPING SIDE SLOPES AS SOON AS PRACTICABLE. IF THE DITCH HAS A RIPRAP LINING, REPLACE RIPRAP ON AREAS WHERE ANY UNDERLYING FILTER FABRIC OR UNDERDRAIN GRAVEL IS SHOWING THROUGH THE STONE OR WHERE STONES HAVE DISLODGED. THE CHANNEL MUST RECEIVE ADEQUATE ROUTINE MAINTENANCE TO MAINTAIN CAPACITY AND PREVENT OR CORRECT ANY EROSION OF THE CHANNEL'S BOTTOM OR SIDESLOPES.
    - 2.2.3. INSPECT CULVERTS IN THE SPRING, IN LATE FALL, AND AFTER HEAVY RAINS TO REMOVE ANY OBSTRUCTIONS TO FLOW; REMOVE ACCUMULATED SEDIMENTS AND DEBRIS AT THE INLET, AT THE OUTLET, AND WITHIN THE CONDUIT; AND TO REPAIR ANY EROSION DAMAGE AT THE CULVERT'S INLET AND OUTLET.
    - 2.2.4. INSPECT AND CLEAN OUT CATCH BASINS. CLEAN-OUT MUST INCLUDE THE REMOVAL AND LEGAL DISPOSAL OF ANY ACCUMULATED SEDIMENTS AND DEBRIS AT THE BOTTOM OF THE BASIN, AT ANY INLET GRATES, AT ANY INFLOW CHANNELS TO THE BASIN, AND AT ANY PIPES BETWEEN BASINS. IF THE BASIN OUTLET IS DESIGNED TO TRAP FLOATABLE MATERIALS, THEN REMOVE THE FLOATING DEBRIS AND ANY FLOATING OILS (USING OIL-ABSORPTIVE PADS).
    - 2.2.5. INSPECT RESOURCE AND TREATMENT BUFFERS ONCE A YEAR FOR EVIDENCE OF EROSION, CONCENTRATING FLOW, AND ENCRoACHMENT BY DEVELOPMENT. IF FLOWS ARE CONCENTRATING WITHIN A BUFFER, SITE GRADING, LEVEL SPREADERS, OR DITCH TURN-OUTS MUST BE USED TO ENSURE A MORE EVEN DISTRIBUTION OF FLOW INTO A BUFFER. CHECK DOWN SLOPE OF ALL SPREADERS AND TURN-OUTS FOR EROSION. IF EROSION IS PRESENT, ADJUST OR MODIFY THE SPREADER'S OR TURNOUT'S LIP TO ENSURE A BETTER DISTRIBUTION OF FLOW INTO A BUFFER. CLEAN-OUT ANY ACCUMULATION OF SEDIMENT WITHIN THE SPREADER BAYS OR TURN-OUT POOLS.
    - 2.2.6. INSPECT AT LEAST ONCE PER YEAR, EACH STORMWATER MANAGEMENT POND OR BASIN, INCLUDING THE POND'S EMBANKMENTS, OUTLET STRUCTURE, AND EMERGENCY SPILLWAY. REMOVE AND DISPOSE OF ACCUMULATED SEDIMENTS IN THE POND. CONTROL WOODY VEGETATION ON THE POND'S EMBANKMENTS.
    - 2.2.7. INSPECT AT LEAST ONE PER YEAR, EACH UNDERDRAINED FILTER, INCLUDING THE FILTER EMBANKMENTS, VEGETATION, UNDERDRAIN PIPING, AND OVERFLOW SPILLWAY. REMOVE AND DISPOSE OF ACCUMULATED SEDIMENTS IN THE FILTER. IF NEEDED, REHABILITATE ANY CLOGGED SURFACE LININGS, AND FLUSH UNDERDRAIN PIPING.
    - 2.2.8. INSPECT EACH MANUFACTURED SYSTEM INSTALLED ON THE SITE, INCLUDING THE SYSTEM'S INLET, TREATMENT CHAMBER(S), AND OUTLET AT LEAST ONCE PER YEAR, OR IN ACCORDANCE WITH THE MAINTENANCE GUIDELINES RECOMMENDED BY THE MANUFACTURER BASED ON THE ESTIMATED RUNOFF AND POLLUTANT LOAD EXPECTED TO THE SYSTEM FROM THE PROJECT. REMOVE AND DISPOSE OF ACCUMULATED SEDIMENTS, DEBRIS, AND CONTAMINATED WATERS FROM THE SYSTEM AND, IF APPLICABLE, REMOVE AND REPLACE ANY CLOGGED OR SPENT FILTER MEDIA.

HOUSEKEEPING NOTES:

1. 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.
2. 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.
3. 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.
4. 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.
5. 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.
6. 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:
  - 6.1. DISCHARGES FROM FIREFIGHTING ACTIVITY
  - 6.2. FIRE HYDRANT FLUSHINGS
  - 6.3. VEHICLE WASHWATER IF DETERGENTS ARE NOT USED AND WASHING IS LIMITED TO THE EXTERIOR OF VEHICLES (ENGINE, UNDERCARRIAGE AND TRANSMISSION WASHING IS PROHIBITED)
  - 6.4. DUST CONTROL RUNOFF IN ACCORDANCE WITH PERMIT CONDITIONS AND NOTE 3
  - 6.5. ROUTINE EXTERNAL BUILDING WASHDOWN, NOT INCLUDING SURFACE PAINT REMOVAL, THAT DOES NOT INVOLVE DETERGENTS
  - 6.6. 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
  - 6.7. UNCONTAMINATED AIR CONDITIONING OR COMPRESSOR CONDENSATE
  - 6.8. UNCONTAMINATED GROUNDWATER OR SPRING WATER
  - 6.9. FOUNDATION OR FOOTER DRAIN-WATER WHERE FLOWS ARE NOT CONTAMINATED
  - 6.10. UNCONTAMINATED EXCAVATION DEWATERING (SEE REQUIREMENTS IN NOTE 5)
  - 6.11. POTABLE WATER SOURCES INCLUDING WATERLINE FLUSHINGS
  - 6.12. LANDSCAPE IRRIGATION
7. UNAUTHORIZED NON-STORMWATER DISCHARGES. MAINEDEP'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 NOTE 6. SPECIFICALLY, THE DEPARTMENT'S APPROVAL DOES NOT AUTHORIZE DISCHARGES OF THE FOLLOWING:
  - 7.1. WASTEWATER FROM THE WASHOUT OR CLEANOUT OF CONCRETE, STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS OR OTHER CONSTRUCTION MATERIALS
  - 7.2. FUELS, OILS OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE
  - 7.3. SOAPS, SOLVENTS, OR DETERGENTS USED IN VEHICLE AND EQUIPMENT WASHING
  - 7.4. TOXIC OR HAZARDOUS SUBSTANCES FROM A SPILL OR OTHER RELEASE.

| REVISIONS | REVISION DESCRIPTION |  | DATE | NUMBER |
|-----------|----------------------|--|------|--------|
|           | BY                   |  |      |        |
|           |                      |  |      |        |

CLIENT NAME:  
**CHARTER OAKS VILLAGE COOPERATIVE**

PROJECT NAME:  
**PHASE 1 DISTRIBUTION SYSTEM IMPROVEMENTS**

PROJECT ADDRESS  
ALLEN AVENUE  
ARUNDEL, MAINE

SHEET TITLE:  
**EROSION CONTROL NOTES**

|                         |                   |
|-------------------------|-------------------|
| D&K PROJECT #<br>230693 | PROJ. ENG.<br>JTA |
| DRAWN BY<br>NDB         | CHECKED BY<br>JTA |

DATE  
MAY 1, 2026

SHEET NUMBER

**C11**

ISSUED FOR BIDDING  
NOT FOR CONSTRUCTION 05/21/26



**Pre-Bid Meeting**

**Charter Oaks Village Cooperative  
Arundel, ME  
Phase 1 Distribution Improvements**

**May 13, 2026**

**ATTENDANCE LOG**

| Name              | Affiliation & Title                  | Phone #:     | Email Address                     |
|-------------------|--------------------------------------|--------------|-----------------------------------|
| 1. Kailey Collins | Staff Engineer, DuBois & King        | 508-332-6863 | kcollins@dubois-king.com          |
| 2. Noah Bussiere  | Staff Engineer, DuBois & King        | 207-415-9825 | nbussiere@dubois-king.com         |
| 3. Jim O'Brien    | Sr. Resident Engineer, DuBois & King | 603-396-4780 | jobrien@dubois-king.com           |
| 4. Kirsten Brewer | WISP Associate, CDI                  | 207-536-8506 | kbrewer@cdi.coop                  |
| 5. Justin Foglio  | Estimator, Foglio Inc                | 207-608-7817 | justinf@foglioinc.com             |
| 6. Mike Hawes     | Hawes Trading + Const.               | 207-944-5971 | mike.hawes.mh@gmail.com           |
| 7. Erika Hundley  | Tres. COVC                           | 603-605-5457 | erahundley18@gmail.com            |
| 8. Mike Harvey    | WQCS - Operator                      | 207-641-1827 | michael.harvey@waterqualityme.com |
| 9.                |                                      |              |                                   |
| 10.               |                                      |              |                                   |