STATE of NEW HAMPSHIRE
DEPARTMENT of ADMINISTRATIVE SERVICES
DIVISION of PUBLIC WORKS - DESIGN & CONSTRUCTION
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CHARLES M. ARLINGHAUS
Commissioner

ADDENDUM NUMBER 02

FOR

ARPA- CAMPGROUND EXPANSION PROJECTS

A FEDERAL AID PROJECT

, PAWTUCKAWAY STATE PARK

TOILET BUILDING RENOVATIONS

PARK OFFICE - 7 PAWTUCKAWAY ROAD,

NOTTINGHAM, NH 03590

DIVISION OF PUBLIC WORKS PROJECT NUMBER 81205R

CONTRACT B

DEPARTMENT OF NATURAL AND CULTURAL RESOURCES

APRIL 29, 2024

DOCUMENT 00912

ADDENDUM NUMBER 02

TO: ALL CONTRACT BIDDERS OF RECORD

This Addendum forms a part of the Contract Documents and modifies the Bidding Documents dated April 4, 2024, addendum number 1 dated April 17 ,2024 with amendments and additions noted below. Acknowledge receipt of this Addendum in the space provided in the Proposal Form. Failure to do so may disqualify the Bidder.

This Addendum consists of 7 pages, plus 8 pages of attachments, and the following 7 drawings listed below.

No.	Drawing Title	Issue Date
C1.03	BATHHOUSE 7 EXISTING CONDITIONS	April 26, 2024
C3.05	BATHHOUSE 9 SITE PLAN	April 26, 2024
C5.01	DETAILS MISCELLANEOUS	April 26, 2024
A3.01	BUILDING & WALL SECTIONS	April 26, 2024
S1.01	FOUNDATION PLAN AND DETAILS	April 26, 2024
SHEET 24	Pawtuckaway Typical Building Construction Drawings 1968-1	
SHEET 25	Pawtuckaway Typical Building Construction Drawings 1968-2	

CHANGES TO THE SPECIFICATIONS

DOCUMENT SECTION 00110 – INVITATION TO BIDDERS
1. Project bid date to be extended from May 1, 2024 to May 8,2024,

DOCUMENT SECTION 015639 – TEMPORARY TREE AND PLANT PROTECTION
2. Add specification section. See attachment (7 pages).

DOCUMENT SECTION 087100 – DOOR HARDWARE
3. Add Door Hardware Schedule. See attachment (1 pages).

CHANGES TO THE DRAWINGS

DRAWING C1.03 – BATHHOUSE 7 EXISTING CONDITIONS, GENERAL LEGEND & NOTES
4. Revised approximate existing tree line.

DRAWING C3.05 – BATHHOUSE 9 SITE PLAN
5. Added approximate daylight location for rockery wall drain.
6. Added note to see campsite reconstruction section on sheet C5.01.

DRAWING C5.01 – DETAILS MISCELLANEOUS
7. Changed detail title to Gravel Drive & Campsite Reconstruction Section.

DRAWING A3.01 – BUILDING & WALL SECTIONS
8. Deleted foundation drain.

DRAWING S1.01 – FOUNDATION PLAN AND DETAILS
9. Deleted foundation drain.

BIDDER QUESTIONS

10. Question: Provide live load capacity of the concrete bridge that links access to Bath House #5 and #6 on Horse Island Road.
    Response: *The Horse Island Bridge has a design load of "H15-44" and "12-kip wheel used in design of deck slab" according to original 1964 plans.*

11. Question: What is the estimated value of this project?
    Response: *The cost estimate falls between $1M and $5M.*

12. Question: Has the Federal Funding been secured for this project?
    Response: *This Statewide Campground project is an ARPA Federally Funded project.*

13. Question: Confirm that the design build insurance requirements stated in section 00204 are not applicable.
    Response: *The insurance requirements for design/build contracts does not apply to this project which is design / bid / build.*

14. Question: Provide limits of work for alternates #1 and #2.
    Response: *See Limit of Disturbance line on sheet C3.02 for the dump station (Add Alt #1). Sheet C3.08 represents all necessary work for the water system upgrade (Add Alt #2).*

15. Question: Will precast piers require steel reinforcement?
    Response: *Yes. Precast piers as manufactured by Michie Corp with #5 hooked vertical bar, or equivalent.*

16. Question: Verify if existing SOG and foundation wall are reinforced. What are their respective thicknesses?
    Response: *The main part of Pawtuckaway Campground was built in 1965. That included the Horse Island toilet buildings which were built on 10" diameter concrete piers, apparently with no reinforcing. The Big Island Campground was built as a separate project in 1968. The Big Island toilet buildings have frost wall foundations and slabs on grade.*

17. Question: Identify scope of work under this contract that will be required to be performed at "campsite #110", and depth of walls.
    Response: *No walls. See notes regarding Campsite 110 referencing the Gravel Drive Section detail on revised sheet C3.05 and C5.01. The Division of Parks and Recreation will supply the fire ring and picnic table.*

18. Question: Indicate existing tree line at and around Bath House #7.
    Response: *See approximate tree line on revised sheet C1.03.*

19. Question: Can the new septic tank be relocated to avoid the existing 2" water line at Bath House #8?
    Response: *No. The septic tank cannot be relocated. The existing 2" water line location at bathhouse #8 is approximate. If it conflicts with the new septic tank location it will have to be removed.*

20. Question: Reference drawing C1.04 ; Will the tree line indicated between the paved drive and the rip rap swale require the tree line to be removed at Bath House #8?
    Response: *Yes, the trees in this area will need to be removed.*

21. Question: Are all boulders indicated to be removed included in the allowance quantity / unit price bid item?
    Response: *Yes. All boulders indicated to be removed are above ground boulders and shall be included in the base bid. Unforseen rock removal for trenching and excavation will use the Rock Removal bid item.*

22. Question: Will the Bid Item for unit price for Rock Removal include off-site disposal and gravel backfill replacement?
    Response: *The Rock Removal bid item shall include off-site disposal and fill material if fill is needed. Suitable backfill material shall be used to fill holes when possible.*

23. Question: Does drawing C3.08 represent work scope for alternate #2?
    Response: *Yes. Sheet C3.08 represents the scope of work for Add Alt #2.*

24. Question: Reference drawing P1.02P ; Confirm invert elevation for thev4" W. line under new SOG.
    Response: *See sheets C4.02 – C4.07. Invert elevations for the 4" wastewater pipes at each bathhouse are noted in the top left corner.*

25. Question: Provide HAZ MAT survey report.
    Response: *A hazardous materials survey will be conducted. If there are hazardous materials to remediate, they will be removed as soon as possible after the toilet buildings are shut down for the season (typically around Labor Day). After remediation is accomplished, demolition can begin.*

26. Question: Can the project super perform trade work?
    Response: *No. Not allowed; See specification section 00708 General Conditions, Part 15.*

27. Question: Can the GC and C.O.W. office trailers be located in the main parking lot?
    Response: *There is space at the beach parking lot for two (2) trailers.*

28. Question: Provide specification for the access covers at septic tanks.
    Response: *See Note 6B on Civil Septic Sheets.*

29. Question: Identify point of connection for the 4" perf. PVC pipe at the" Rockery Walls ".
    Response: *See revised sheet C3.05 for routing of rockery wall drains to daylight.*

30. Question: What is the length of the solid surface shower shelf?
    Response: *Eight (8) inches at each side of triangular shelf. Shelf is ½" solid surface material. See specification section 10 28 19, Tub and Shower Enclosures 2.04.*

31. Question: Will the 1x6T=G ceiling be attached directly to the bottom chord of the wood truss's?
    Response: *Yes. Add 2x4 nailers atop 8x10 beams and 2x4 blocking between trusses to support ends and long edges of T&G planks at perimeters of ceiling areas so that all planks are fully supported.*

32. Question: Provide detail of the connection point of the 8x8 post and the 8x10 beam
Response: *See Detail 4/A3.01.*

33. Question: Reference A2.01; Identify wood members that are to be painted and or stained.
Response: *Exterior wood members are to be stained. Interior wood members are to be painted.*

34. Question: Confirm if exterior of the new bath house buildings will be painted with one uniform paint color.
Response: *New bathhouse exteriors will have two stain colors. The siding will be one color and the trim will be a different color. Colors will be selected by the architect.*

35. Question: Reference drawing A4.01detail 7; Confirm this wall elevation will not receive FRP where "GWB.PTD" is shown.
Response: *This note is incorrect. All gypsum wall boards receive FRP.*

36. Question: Reference section 081613; Confirm if custom colors will be used as there is a significant cost upcharge for that.
Response: *No custom fiberglass door colors will be used. Doors for public use (toilet rooms and showers) will be standard manufacturer's colors. Door to the plumbing chase will be provided primed and ready for field painting to match exterior siding.*

37. Question: Can a temporary fence and vehicle gate be used at the intersections of Pawtuckaway Rd. Horse Island Rd, and Big Island Rd.to satisfy the requirements as specified in section 01500:para.#2.17,A&B?
Response: *A temporary gate to close off Big Island and/or Horse Island instead of fencing each toilet building site is acceptable.*

38. Question: Summary 01100 1.4 Work Sequence notes that all bath houses can start work at the same time. Assuming all existing bath houses will be demolished prior to the 2025 campground opening in early May, is it acceptable to have only the two Horse Island bath houses in operation by 5/22/2025 with the remaining three bath houses on Big Island still in construction? In other words, do we need to keep any of the existing bath houses on Big Island operational during the 2025 campground season from May to October 10, 2025?
Response: *We do not need to keep the Big Island toilet buildings operational during the 2025 campground season. It is acceptable to have only the two Horse Island toilet buildings in service. The completion deadline for the Horse Island toilet buildings (bathhouses 5 and 6) is May 22, 2025.*

39. Question: S.W. Cole's Bearing Capacity Assessment dated 10/16/2023 recommends a perimeter foundation underdrain for the buildings. Other than the foundation section cuts 3-A3.01 and 2-S1.01, the civil design drawings do not indicate a perimeter foundation underdrain. Please confirm this is not required. If required, provide piping and outlet locations and elevations on the civil drawings.
Response: *Foundation underdrains are not required. See revised sheets A3.01 and S1.01.*

40. Question: Specification 310519.16 Geomembrane Liners. Where is this specification applicable? I do not see any areas noted for geomembrane liners.
Response: *This specification should not have been in the set. Disregard.*

41. Question: Plans and specifications do not call out for a specific door hardware set. Please provide Door Hardware sets for each type of door.
Response: *See attached Door Hardware Schedule.*

42. Question: The site utility plans do not indicate a new electrical service feed for each bath house. E1.01P notes to tie into the existing electrical service at the new meter and disconnect. These new meters and

disconnects may not be positioned in the same location as the existing meters and disconnects on Building #7, 8 and 9. If required, how will these feeders and conduits be extended at these buildings?
Response: *Provide in-ground pull boxes as required to extend existing conduits.*

43. Question: The existing electrical service to the (2) buildings on Horse Island (#5 & #6) do not currently have an electrical meter and disconnect on the outside of the building like Buildings #7, 8 and 9 on Big Island. They are fed underground from adjacent utility poles, but the meters are located down stream of these poles. Please clarify how these buildings will have power brought to them and what modifications to the existing electrical service are required.
Response: *Bathhouses 5 & 6 will have power brought to them by the general contractor. Since the meters for these two buildings are remote, please bring the electric service to a disconnect on the side of the building and then to the electrical panel.*

44. Question: Various boulders are noted to be removed on the Civil Demolition Plans. Are these part of the Unit Price Schedule for "Removal of (40) cubic yards of Rock Excavation" or should this be included in the base bid?
Response: *See responses to questions #20 and #21. Boulders noted to be removed shall be included in the base bid.*

45. Question: What is the intent of Unit Price Schedule for "Removal of (40) cubic yards of Rock Excavation"? Is this meant for all and any ledge and/or boulders encountered over 2 CY's during the course of foundation excavation, trenching, clearing and leaching field construction?
Response: *Yes. The intent is to capture cost for removal of unforseen below surface boulders.*

46. Question: There are many boulders that will need to be cleared during the course of foundation excavation, trenching, clearing and leaching field construction. Many of these boulders would need to be removed and reduced in size by using a hydraulic hammer or hoe ram. Should there be a unit price provision for hourly rates for the hydraulic hammer?
Response: *Bid item shall include required equiptment rental, transport, and labor to remove rock.*

47. Question: It is likely the hydraulic hammer will be required for boulders 1 CY or greater for loading and transportation. How should this be addressed in the pricing? It is difficult to determine the size of various boulders as they could be buried.
Response: *See response to question #45.*

48. Question: Specifications 312316 and 312316.26 conflict with the limit of trench rock as 1 CY versus 2 CY limits. Please specify the measurement limit. As noted above, 1 CY may be a common boulder size that will need to be mechanically hammered for loading and transportation.
Response: *Rock removal for ledge and boulders 2 CY or greater will be paid per CY. Removal of rock less than 2 CY shall be included in the base bid.*

49. Question: Please confirm all boulders excavated will need to be removed off-site and properly disposed of.
Response: *Yes. All boulders will be removed off-site.*

50. Question: Civil Demolition Plans show the limit of disturbance for each area of construction. It is likely that most, if not all, of the trees in these areas will need to be removed entirely for construction access and excavations. Please confirm this is acceptable and that selective clearing and tree protection in these areas will not be required.
    Response: *See 'Tree to be Removed (Typ.)' callout on Civil Demolition Plans. Remove all grey trees within Limit of Disturbance. All other trees to remain and be protected. See attached Temporary Tree and Plant Protection specification.*

51. Question: Can you please let us know if a tank of the same sizing manufactured with High Density Polyethylene or other alternatives to the Steel Water Holding Tank will be accepted?
    Response: *No. High Density Polyethylene or other alternatives to the steel water holding tank will <u>not</u> be accepted.*

Michelle L. Juliano

Michelle Juliano, P.E., Assistant Director
Division of Public Works Design and Construction

END OF DOCUMENT

SECTION 015639

TEMPORARY TREE AND PLANT PROTECTION

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

A. General provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.02 SUMMARY

A. This Section includes the protection and pruning of trees that are designated to remain on site and/or interfere with, or are affected by, execution of the Work, whether temporary or new construction.

B. Contractor shall make every effort to minimize or prevent tree damage that may result from proposed construction activities.

C. Trees to be removed shall be clearly identified in the drawings. Removal of designated trees shall also include stump grinding/full stump removal.

1.03 SUBMITTALS

A. Product Data: For each type of product indicated.

B. Qualification Data: For firms and persons specified in "Quality Assurance" Article to demonstrate their capabilities and experience. Include lists of completed projects with project names and addresses, names and addresses of architects and owners, and other information specified.

C. Certification: From a qualified arborist that trees indicated to remain have been protected during construction according to recognized standards and that trees were promptly and properly treated and repaired when damaged.

D. Maintenance Recommendations: From a qualified arborist for care and protection of trees affected by construction during and after completing the Work.

E. Provide final log of work performed including any damage that occurred during construction and subsequent repairs.

1.04 QUALITY ASSURANCE

A. Tree Service Qualifications: An experienced tree service firm that has successfully completed tree protection and trimming work similar to that required for this Project and that will assign an experienced, qualified arborist to Project site on a full-time basis during execution of the Work.

B. Arborist Qualifications: An arborist certified by the International Society of Arboriculture or licensed in the jurisdiction where Project is located.

C. Tree Pruning Standards: Comply with ANSI A300, "Trees, Shrubs, and Other Woody Plant Maintenance--Standard Practices," unless more stringent requirements are indicated.

D. Preinstallation Conference: Conduct conference at Project.
   1. Before starting tree protection and pruning meet with representatives of authorities having jurisdiction, Owner, Landscape Architect, and other concerned entities. Review tree protection and pruning procedures and responsibilities. Notify participants at least three working days before convening conference. Record discussions and agreements and furnish a copy to each participant.

PART 2 – PRODUCTS

2.01 MATERIALS

A. Drainage Fill: Selected crushed stone, or crushed or uncrushed gravel, washed, ASTM D 448, Size 24, with 90 to 100 percent passing a 2-1/2-inch sieve and not more than 10 percent passing a 3/4-inch sieve.

B. Topsoil: Fertile, friable, surface soil, containing natural loam and complying with ASTM D 5268. Provide topsoil that is free of stones larger than 1 inch in any dimension and free of other extraneous or toxic matter harmful to plant growth. Obtain topsoil only from well-drained sites where soil occurs in depth of 4 inches or more; do not obtain from bogs or marshes.

C. Filter Fabric: Manufacturer's standard, nonwoven, pervious, geotextile fabric of polypropylene, nylon, or polyester fibers.

D. Mesh Construction Fence: Fencing fixed in position and meeting the following requirements.
   1. Plastic Protection Zone Fence: Plastic construction fencing constructed of high density extruded and stretched polyethylene fabric with 2-inch maximum opening in pattern and supported by tubular or T-shaped galvanized steel posts spaced not more than 6 feet apart. High visibility orange color, nonfading.
   2, Height of Fencing: 4 feet.

E. Chain Link Fence: Metallic-coated steel chain link fence fabric, 0.120-inch- diameter wire size; 72 inches high, minimum; line posts, 1.9 inches in diameter; terminal and corner posts, 2-3/8 inches in diameter; top rail, 1-5/8 inches in diameter; bottom tension wire, 0.177 inch in diameter; with tie wires, hog ring ties, and other accessories for a complete fence system.

F. Reinforced Construction Ribbon: 3” wide orange reinforced plastic flagging tape anchored with 2” square by 4’-0” long hardwood stakes at 10’-0”o.c. maximum.

G. Temporary Signs: White or yellow weatherproof material, 8 inch by 40 inch minimum, with 3-inch black letter text: “Warning: Tree Protection Area – Do Not Enter”

PART 3 – EXECUTION

3.01 PREPARATION

A. Temporary Fencing: Install temporary fencing around the tree protection areas designated on the plans or where directed by the landscape architect to protect existing vegetation from construction damage. Where a post is located on existing paving or concrete to remain, provide appropriate means of post support acceptable to owner's representative or landscape architect. The temporary fencing shall be installed prior to the actual construction start and maintained for the duration of the project.

1. Install chain link fence, mesh construction fence, or reinforced construction ribbon according to ASTM F 567 and manufacturer's written instructions.

B. Temporary Signs: Install temporary signs 60 feet apart, or two per protected tree, whichever is greater, on posts of temporary fencing. Maintain temporary signs and remove when construction is complete.

C. Protect tree root systems from damage due to noxious materials caused by runoff or spillage while mixing, placing, or storing construction materials. Protect root systems from flooding, eroding, or excessive wetting caused by dewatering operations.

D. Do not store construction materials, debris, or excavated material within the drip line of remaining trees. Do not permit vehicles or foot traffic within the drip line; prevent soil compaction over root systems.

E. Repair or replace trees, shrubs, and other vegetation indicated to remain or be relocated that are damaged by construction operations, in a manner approved by the owner's representative.

F. Maintain temporary fencing and signage in good condition and remove when construction operations are complete and equipment has been removed from the site.

G. Do not allow fires under or adjacent to remaining trees or other plants.

3.02 ROOT PRUNING

A. The intent of root pruning is to minimize root damage and promote root regeneration when excavation occurs within the critical root zone of the tree. The equipment used must be able to cut the roots cleanly, without tearing or grabbing.

B. Root pruning shall be completed as close to the time of excavation as possible. All root pruning shall be completed prior to any disturbance within the critical root zone of a tree. The contractor shall coordinate this with the Owner's Rep, landscape architect, or a qualified arborist to ensure minimum site disturbance and tree impact.

C. If construction is to occur within the root zone of existing plant material, root pruning and special plant care and watering may be required, as directed by a Certified Arborist or landscape architect and hereinafter specified. Root pruning using an approved mechanical root pruning saw shall be performed prior to excavation where noted on the plans, or directed by a Certified Arborist. Air Spading excavation consisting of hand and/or pneumatic excavation may be required if indicated

on plans or as directed by Certified Arborist. Whenever roots of plant material to remain are exposed during construction, the damaged roots ends are to be removed by cutting them off cleanly.

D. Where specifying root pruning, Owner's Rep, landscape architect, or qualified arborist shall identify the location, depth, and length of the root pruning in the field. This can be done by staking and/or painting a line on the ground. The field location of the root pruning shall not be completed until proper field control is provided by a qualified engineer or surveyor. When the root pruning is complete, the area will be inspected by the Owner's Rep, landscape architect, or qualified arborist to identify any hand pruning that may be necessary to achieve a clean cut on exposed roots. In areas where it is not practical to use a machine to perform root pruning as determined by a qualified arborist, the roots shall be cut cleanly by hand. All trenches resulting from root pruning operations shall be back-filled or barricaded immediately.

E. For the installation of sewers, water mains, electric lines, telephone lines and cable television lines, the root pruning shall be done at the point where the top of the trench will be closest to the tree and to a depth of 30inches.

F. For the installation of foundations, the root pruning shall be done at the limits of the over-dig for the foundation and to a depth of 30 inches.

G. For the installation of curbs and similar construction, the root pruning shall be at the limit of excavation and to the depth of excavation. For example, if a curb is being constructed with an over-dig of one foot and a depth of the base of eighteen inches, then the root pruning would be done one foot behind the location of the back of curb and to a depth of eighteen inches.

H. Temporary support and protect roots from damage until they are permanently covered with soil.

I. Cover exposed roots with burlap and water regularly.

J. Backfill as soon as possible with proposed material according to requirements.

3.03 SOIL COMPACTION:

A. To prevent soil compaction, designated routes for equipment and foot traffic by work crews shall be predetermined prior to commencing construction activities. These routes shall be marked at the site, before construction commences, with durable fencing material that is a minimum of four feet in height (flagging tape or any other material that may be torn down, moved, or accessed through is not acceptable).

B. It shall be the responsibility of the project supervisor to inform all construction crew members on the site of access route location, and to ensure that only these routes are used.

C. To prevent tree root smothering, soil, supplies, equipment or any other material shall not be piled within the tree protection zone. Material shall not be placed within tree protection zone

D. No heavy objects such as wood pallets, metal railings, etc., shall lean against or come into contact with tree trunk.

3.03 EXCAVATION

A. Prior to excavation work, verify that all preparation and subsequent tree protection measures (root pruning and crown pruning) have been performed as directed by a Certified Arborist.

B. Install shoring or other protective support systems to minimize sloping or benching of excavations when adjacent to or within a tree protection area.

C. Do not excavate within the tree protection area, unless otherwise indicated.

D. During excavation, do not cut main lateral roots; cut only smaller roots that interfere with installation of utilities or construction. Cut roots with sharp pruning instruments; do not break or chop.

E. Where excavation for new construction is required within tree protection area, relocate temporary fencing to limit of excavation, hand clear and excavate to minimize damage to root systems. Use narrow-tine spading forks and comb soil to expose roots. This task must be performed after an experienced tree service firm has successfully completed root pruning, trimming and other work similar to that required for this Project.
   1. Relocate roots in backfill areas where possible. If encountering large, main lateral roots, expose roots beyond excavation limits as required to bend and relocate them without breaking. If encountered immediately adjacent to location of new construction and relocation is not practical, cut roots approximately 3 inches back from new construction.
   2. Do not allow exposed roots to dry out before placing permanent backfill. Provide temporary earth cover or pack with peat moss and wrap with burlap. Water and maintain in a moist condition. Temporarily support and protect roots from damage until they are permanently relocated and covered with soil.
   3. Do not allow heavy equipment in tree protection areas. All excavation work is to be performed by hand.

F. Where utility trenches are required within the protection zone, hand excavate under or around tree roots or tunnel under the roots by drilling, auger boring, or pipe jacking.

G. When excavating, place excavated topsoil on opposite side of trench from tree.

H. Compaction of backfill material should be limited to excavated area. Do not compact areas outside of excavation within Tree Protection Area.

I. Replace Tree Protection Fence to original location when work is complete.

3.04 REGRADING

A. Grade Lowering: Where new finish grade is indicated below existing grade around trees, slope grade beyond drip line of trees. Maintain existing grades within drip line of trees.

B. Raising Grade: Where new finish grade is indicated above existing grade around trees, slope grade beyond the protection zone. Maintain existing grades within drip line of trees.

C. Minor Fill: Where existing grade is 6 inches or less below elevation of finish grade, fill with topsoil. Place topsoil in a single uncompacted layer and hand grade to required finish elevations.

D. Moderate Fill: Where existing grade is more than 6 inches, but less than 12 inches, below elevation of finish grade, place drainage fill, filter fabric, and topsoil on existing grade as follows:

1. Carefully place drainage fill against tree trunk approximately 2 inches above elevation of finish grade and extend not less than 18 inches from tree trunk on all sides. For balance of area within drip-line perimeter, place drainage fill up to 6 inches below elevation of grade.

2. Place filter fabric with edges overlapping 6 inches minimum.

3. Place fill layer of topsoil to finish grade. Do not compact drainage fill or topsoil. Hand grade to required finish elevations.

3.05 TREE PRUNING

A. Prune trees that are affected by temporary and permanent construction. Prune trees as follows:

1. Prune trees to remain to compensate for root loss caused by damaging or cutting root system. Provide subsequent maintenance during Contract period and Landscape Maintenance Period as recommended by arborist.

2. Pruning Standards. Prune trees according to ANSI A300 (Part 1) and the following

3. Cut branches with sharp pruning instruments; do not break or chop.

4. Do not apply pruning paint to wounds.

B. Chip branches removed from trees. Dispose off-site or directed by owner's representative or landscape architect.

3.06 TREE REPAIR AND REPLACEMENT

A. Promptly repair trees damaged by construction operations within 24 hours. Treat damaged trunks, limbs, and roots according to written instructions of the qualified arborist.

B. Remove and replace dead and damaged trees that the qualified arborist determines to be incapable of restoring to a normal growth pattern.

1. Provide new trees of the same size and species as those being replaced; plant and maintain as specified in Division 32 Section "Trees, Shrubs, and Groundcover."

2. Provide new trees of 6-inch caliper size and of a species selected by Architect when trees more than 6 inches in caliper size, measured 12 inches above grade, are required to be replaced.

C. Vertical Mulching: If existing soil within the tree protection zone is during construction, Aerate surface soil10 feet beyond drip line and no closer than 36 inches to tree trunk. Drill 2-inch- diameter holes a minimum of 12 inches deep at
24 inches o.c. Backfill holes with an equal mix of augured soil and sand.

3.07 DISPOSAL OF WASTE MATERIALS

A. Burning is not permitted.

B. Disposal: Remove excess excavated material, displaced trees, and excess chips from Owner's property.

3.08 FAILURE TO PROTECT TREES

A. If at any time the owner's representative or landscape architect finds trees in the immediate area of work that are not protected as indicated herein, all work on the project will be halted until tree protection measures are installed.

3.09 TREE DAMAGE PENALTY

A. If any tree, not designated for removal, is damaged or destroyed during the course of, as a result of, construction operations, the Contractor shall repair the damage, if possible, under the guidance of a certified arborist at no additional costs to the project.

B. In addition to any other criminal or civil penalty, if, as the result of the violation, the injury, mutilation, or death of a tree, shrub, or other plant located on the Owner's property is caused, the cost of repair or replacement of such tree, shrub, or other plant shall be borne by the party in violation. Replacement value of trees and shrubs shall be determined in accordance with the latest revision of "Valuation of Landscape Trees, Shrubs, and Other Plants," as published by the International Society of Arboriculture.

END OF SECTION

Door Hardware Schedule
Pawtuckaway Bathhouses
April 29, 2024

Doors 101, 102, 103, 104 & 108:
3 heavy duty hinges
1 service station lockset (Function 92 F)
1 threshold
1 weatherstrip set
1 door sweep
3 door silencers

Doors 105, 106 & 107:
3 heavy duty hinges
1 service station lockset (Function 92 F)
1 threshold
1 weatherstrip set
1 door sweep
3 door silencers

Door 109:
3 heavy duty hinges
1 passage lockset
1 deadbolt with thumb turn inside
1 threshold
1 weatherstrip set
1 door sweep
3 door silencers

Refer to Section 08 71 00 for additional information.

LEGEND

- MAJOR CONTOUR, 10-FOOT INTERVAL
- MINOR CONTOUR, 2-FOOT INTERVAL
- RLE — REFERENCE LINE ELAVATION
- SPB-50 — 50-FOOT SHORELAND PROTECTION BUFFER
- SPB-150 — 150-FOOT SHORELAND PROTECTION BUFFER
- SPB-250 — 250-FOOT SHORELAND PROTECTION BUFFER
- EDGE OF WETLAND
- STREAM
- TREELINE
- OHU — OVERHEAD UTILITY LINES
- UTILITY POLE
- GUY WIRE
- ELECTRIC METER
- PROPANE TANK
- SEWER MANHOLE
- CATCH BASIN
- WATER SPIGOT
- WELL
- BOULDER AND APPROXIMATE SIZE
- WETLAND FLAG AND FLAG ID #
- TEMPORARY BENCHMARK
- BOLLARD
- SIGN
- WOOD POST WITH CAMPSITE #
- 86 — CAMPSITE #
- DECIDUOUS TREE
- CONIFER TREE

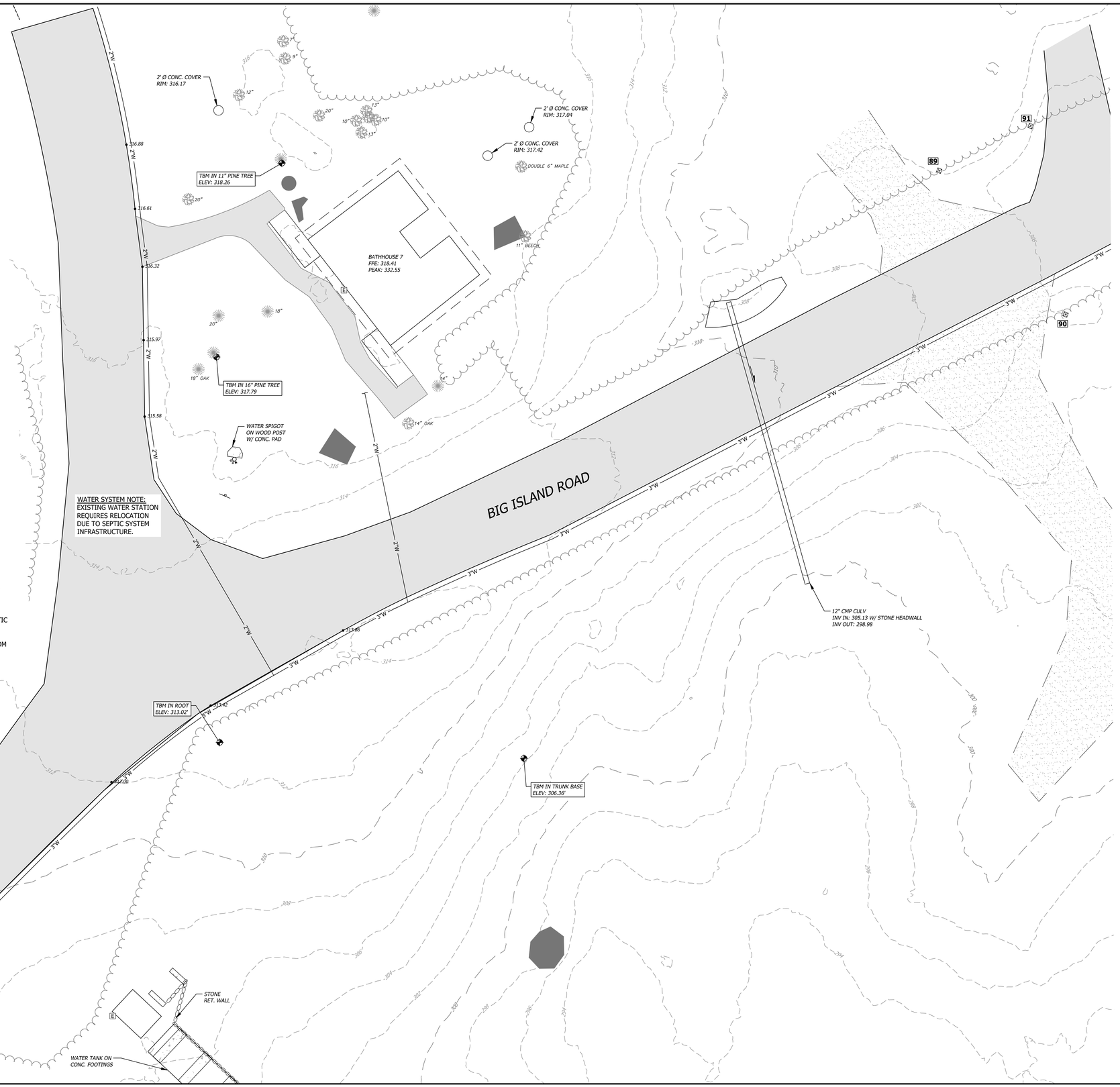
WETLAND NOTES

STATE AND FEDERAL JURISDICTIONAL WETLANDS WERE DELINEATED BY N.H. CERTIFIED WETLAND SCIENTIST, CAITLIN BANASZAK IN MAY 2022. WETLANDS MAPPING WAS DONE BY N.H. LICENSED LAND SURVEYORS, HORIZONS ENGINEERING, INC. IN ACCORDANCE WITH THE FOLLOWING GUIDANCE DOCUMENTS:

1. N.H. CODE OF ADMINISTRATIVE RULES (ENV-WT 301.01) WITH THE TECHNIQUES OUTLINED IN THE 1987 "U.S. ARMY CORPS OF ENGINEERS WETLAND DELINEATION MANUAL, TECHNICAL REPORT Y-87-1."
2. U.S. ARMY CORPS OF ENGINEERS. 2009. "REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION. U.S. ARMY CORPS OF ENGINEERS RESEARCH AND DEVELOPMENT CENTER, ENVIRONMENTAL LABORATORY ERDC/EL TR-09-19."
3. U.S. ARMY CORPS OF ENGINEERS. 2012. "NATIONAL LIST OF PLANT SPECIES THAT OCCUR IN WETLANDS: NORTHEAST REGION, U.S. ARMY CORPS OF ENGINEERS RESEARCH AND DEVELOPMENT CENTER, ENVIRONMENTAL LABORATORY.
4. N.H. CODE OF ADMINISTRATIVE RULES (ENV-WT 301.02) WITH THE U.S. FISH AND WILDLIFE SERVICE MANUAL FWS/OBS-79/31 ENTITLED "CLASSIFICATION OF WETLANDS AND DEEPWATER HABITATS OF THE UNITED STATES, COWARDIN ET AL, 1979."
5. NEW ENGLAND HYDRIC SOILS TECHNICAL COMMITTEE. 2004. 3RD ED., "FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND." NEW ENGLAND INTERSTATE WATER POLLUTION CONTROL COMMISSION, LOWELL, MA.
6. U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCE CONSERVATION SERVICE. 2010. "FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, VERSION 7.0." L.M. VASILAS, G.W. HURT, AND C.V. NOBLE (EDS.). USDA, NRCS, IN COOPERATION WITH THE NATIONAL TECHNICAL COMMITTEE FOR HYDRIC SOILS.

GENERAL NOTES

1. THE HORIZONTAL DATUM IS ON THE NEW HAMPSHIRE STATE PLANE COORDINATE SYSTEM NAD83 (2011). THE VERTICAL DATUM IS THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
2. THIS PLAN IS BASED ON A FIELD SURVEY COMPLETED IN MAY OF 2023 WITH CARLSON BRX7 AND SOKKIA GRX3 DUAL FREQUENCY SURVEY GRADE GPS RECEIVERS AND A LEICA TS AND TS13 ROBOTIC TOTAL STATIONS.
3. TOPOGRAPHY SHOWN HEREON IS BASED ON BARE EARTH DEM LIDAR DATA FILES DATED 2019 FROM THE STATE OF NEW HAMPSHIRE.



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STATE OF NEW HAMPSHIRE
CHRISTOPHER J. HERNICK
No. 15390
LICENSED
PROFESSIONAL ENGINEER

NH STATE PARKS

Campground Expansion Project PII
Pawtuckaway State Park
7 Pawtuckaway Road
Nottingham, NH
03290

Issue
Project No. 81205R
Contract B

Graphic Scale
0 5 10 20

North

Scale: 1" = 10'

Date: April 4, 2024

Drawn By: SJB

Checked By: WTD

Issues:

No.	Description	Date
1	BID ADDENDUM #1	04/25/24

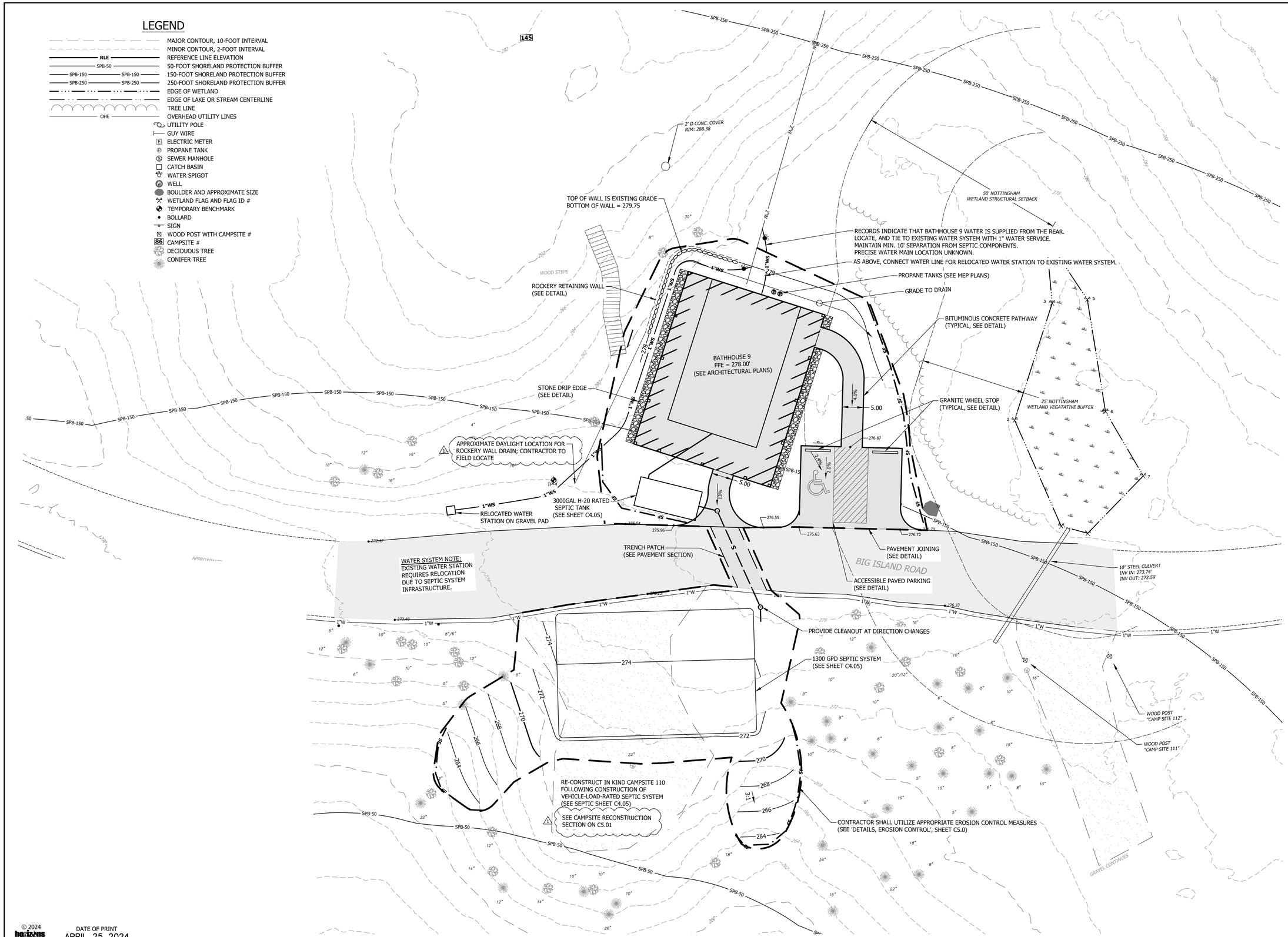
Title
BATHHOUSE 7
EXISTING CONDITION
GENERAL LEGEND & NOTES

Sheet Number:
C1.03

Project Number: 23045001
File: 220838_base-01_pawtuckaway.dwg

LEGEND

- MAJOR CONTOUR, 10-FOOT INTERVAL
- MINOR CONTOUR, 2-FOOT INTERVAL
- RLE — REFERENCE LINE ELEVATION
- SPB-50 — 50-FOOT SHORELAND PROTECTION BUFFER
- SPB-150 — 150-FOOT SHORELAND PROTECTION BUFFER
- SPB-250 — 250-FOOT SHORELAND PROTECTION BUFFER
- EDGE OF WETLAND
- EDGE OF LAKE OR STREAM CENTERLINE
- TREE LINE
- OHE — OVERHEAD UTILITY LINES
- UTILITY POLE
- GUY WIRE
- ELECTRIC METER
- PROPANE TANK
- SEWER MANHOLE
- CATCH BASIN
- WATER SPIGOT
- WELL
- BOULDER AND APPROXIMATE SIZE
- WETLAND FLAG AND FLAG ID #
- TEMPORARY BENCHMARK
- BOLLARD
- SIGN
- WOOD POST WITH CAMPSITE #
- 86 — CAMPSITE #
- DECIDUOUS TREE
- CONIFER TREE



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0 5 10 20

North

Scale: 1" = 10'

Date: April 4, 2024

Drawn By: CJH

Checked By: WTD

Issues:

No.	Description	Date
1	BID ADDENDUM #1	04/25/24

Title
BATHHOUSE 9
SITE PLAN

Sheet Number:
C3.05

Project Number: 23045001
File: 220838_pawtuckaway_final-02c.dwg

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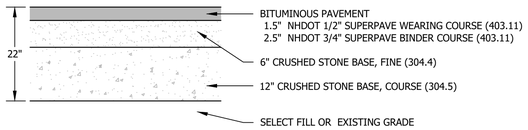
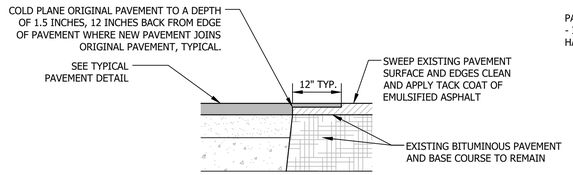


TYPICAL PAVEMENT SECTION

NOT TO SCALE



PAVEMENT JOINING DETAIL

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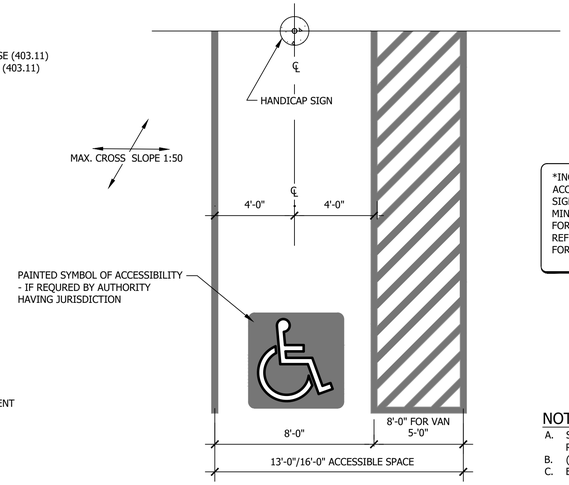
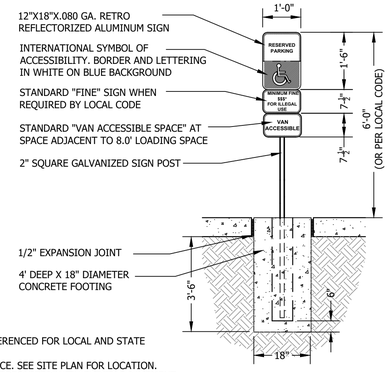


ACCESSIBLE PARKING DETAIL

NOT TO SCALE

*INCLUDE ON ALL ACCESSIBLE SIGN POLES A SIGN INDICATING MINIMUM FINE OF $(FINE) FOR ILLEGAL PARKING. REFER TO LOCAL CODES FOR FINE AMOUNT.



NOTES:

A. SPECIFIC CODE SHOULD BE REFERENCED FOR LOCAL AND STATE REQUIREMENTS.
B. (1) SIGN AT EACH HANDICAP SPACE. SEE SITE PLAN FOR LOCATION.
C. EXPANSION JOINT MATERIAL NOT REQUIRED WITH FLEXIBLE PAVEMENT.

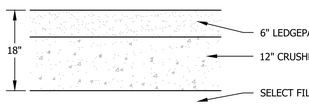
ACCESSIBLE PARKING SIGN

NOT TO SCALE

CONSTRUCTION SEQUENCE

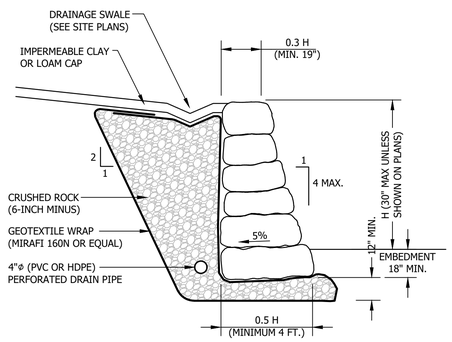
1. PREPARE AN EROSION CONTROL PLAN OR A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS.
2. INSTALL CONSTRUCTION ENTRANCE, SEE DETAIL.
3. CUT AND CLEAR TREES WITHIN THE CLEARING LIMITS.
4. INSTALL SEDIMENT FENCES, ROCK CHECK DAMS, AND OTHER APPROPRIATE EROSION CONTROL MEASURES AT LOCATIONS SHOWN ON THE PLANS AND AS NEEDED.
5. GRUB SITE WITHIN GRADING LIMITS.
6. STRIP AND STOCKPILE TOPSOIL AND INSTALL EROSION CONTROL MEASURES.
7. INSTALL/ADJUST SEDIMENT FENCE, CHECK DAMS, AND HAYBALES, AS REQUIRED.
8. CONSTRUCT PERMANENT STORMWATER CONTROLS AS SOON AS PRACTICAL. DO NOT DIRECT STORMWATER TOWARD TREATMENT BASINS, PONDS, SWALES, DITCHES AND LEVEL SPREADERS UNTIL THEY HAVE BEEN STABILIZED.
9. PROCEED WITH WORK, LIMITING THE DURATION 0F DISTURBANCE. THE MAXIMUM OF UNCOVERED DISTURBED EARTH AT ANY ONE TIME IS FIVE ACRES. THE MAXIMUM LENGTH OF TIME THAT DISTURBED EARTH MAY BE LEFT UNSTABILIZED IS 45 DAYS.
10. BEGIN SEEDING AND MULCHING IMMEDIATELY AFTER GRADING. ALL DISTURBED AREAS SHALL BE STABILIZED WITH APPROVED METHODS WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.

    AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:
    A) BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED;
    B) A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED;
    C) A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIPRAP HAS BEEN INSTALLED; OR
    D) EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
11. INSPECT ALL EROSION CONTROL MEASURES ON A DAILY BASIS AND AFTER EVERY 0.5 INCHES OF PRECIPITATION. MAINTAIN SEDIMENT FENCE, SEDIMENT TRAPS, HAY BALES, ETC., AS NECESSARY.
12. PAVE ROADWAYS AND/OR PARKING AREAS.
13. PLACE TOPSOIL, SEED AND MULCH.
14. COMPLETE ALL REMAINING PERMANENT EROSION CONTROL STRUCTURES.
15. MONITOR THE SITE AND MAINTAIN STRUCTURES AS NEEDED UNTIL FULL VEGETATION IS ESTABLISHED.



GRAVEL DRIVE & CAMPSITE RECONSTRUCTION SECTION

NOT TO SCALE



ROCKERY WALL DETAIL

NOT TO SCALE

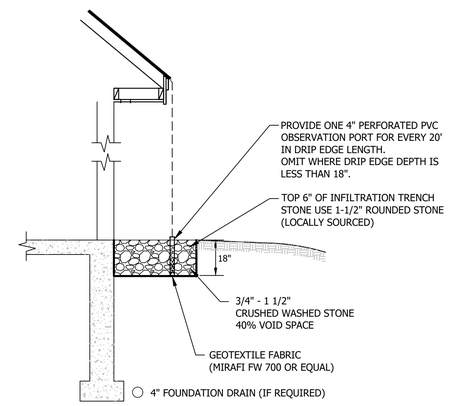
ROCKERY WALL NOTES

1. THE WALL DETAIL(S) DEPICTED ON THESE PLANS ARE CONCEPTUAL. SITE SPECIFIC DESIGN SHOULD BE COMPLETED BY A GEOTECHNICAL ENGINEER BASED ON SITE SPECIFIC SOIL AND GROUNDWATER CONDITIONS AT THE WALL LOCATIONS.
2. WALL CONSTRUCTION AND INSPECTION SHOULD BE COMPLETED IN ACCORDANCE WITH ROCKERY DESIGN AND CONSTRUCTION GUIDELINES, FHWA-CFL/TD-06-006, NOVEMBER 2006.
3. EXCAVATIONS SHALL BE EXTENDED TO AT LEAST 2.5 FEET BELOW FINISH GRADE TO ALLOW FOR WALL EMBEDMENT AND LEVELING COURSE. THE BASE OF THE EXCAVATION SHALL BE INCLINED BACK AWAY FROM THE FACE OF THE ROCKERY, AT 5 PERCENT.
4. ROCKS SHOULD BE PLACED IN ROWS SUCH THAT BASE ROCKS CONSIST OF LARGEST DIAMETER AND WEIGHT ROCKS AND EACH SUCCEEDING ROW CONSISTS OF SMALLER DIAMETER ROCKS. BASE ROCKS SHALL BE EQUAL TO ABOUT ½ THE WALL HEIGHT AND NOT LESS THAN 4 FEET IN DIAMETER. CAP ROCKS SHALL BE EQUAL TO ABOUT 1/3 THE WALL HEIGHT AND NOT LESS THAN 19 INCHES IN DIAMETER.
5. ROCKS SHALL BE HARD, ANGULAR AND DURABLE. ROCKS TO BE LOCALLY/REGIONALLY SOURCED AND SIMILAR IN COLOR TO ROCK ON SITE. THEY MUST BE ABLE TO RESIST PHYSICAL, CLIMATIC, AND CHEMICAL DECOMPOSITION. ROCKS SHOULD BE ROUGHLY RECTANGULAR, TABULAR OR CUBIC IN SHAPE. ROUNDED COBBLES OR BOULDERS MUST NOT BE USED.
6. ROCKS SHOULD BE PLACED WITH LONGEST DIMENSION PERPENDICULAR TO ROCKERY FACE. THE ROCKS SHOULD BE PLACED SUCH THAT THEY SLOPE DOWNWARD AT LEAST 5 PERCENT TOWARDS THE BACK OF THE ROCKERY.
7. THE ROCKERY FACE BATTER SHOULD BE 4V:1H OR FLATTER.
   - o EACH ROCK SHOULD BEAR ON AT LEAST TWO OTHER ROCKS.
   - o EACH ROCK SHOULD HAVE AT LEAST THREE BEARING POINTS – TWO IN FRONT AND ONE IN BACK.
   - o THE FRONT-MOST BEARING POINTS FOR EACH ROCK SHOULD BEWITHIN 150MM (6IN) OF THE AVERAGE FACE OF THE ROCKERY.
   - o THE REAR OF THE ROCKS SHOULD BE ALIGNED ALONG AN IMAGINARY VERTICAL PLANE. IF ROCKS LARGER THAN THE MINIMUM SPECIFIED BASE WIDTH (B) ARE USED, THEY CAN EXTEND BEYOND THIS IMAGINARY PLANE PROVIDED THEY DO NOT INTERFERE WITH ROCKERY DRAINAGE OR REINFORCED ZONE.
8. THERE SHOULD BE NO VERTICAL COLUMNS OF ROCK OR CONTINUOUS VERTICAL JOINTS BETWEEN MULTIPLE ROWS OF ROCKS.
9. ROCK WIDTH SHALL BE LARGE ENOUGH TO EXTEND FROM THE FRONT FACE TO THE BACK OF THE ROCKERY AT EACH LEVEL.
10. PLACE BASE, FACING AND CAP ROCKS SO THAT THEIR HEIGHT DIMENSION IS NOT GREATER THAN THEIR WIDTH. THE LONGEST DIMENSION OF THE BASE, FACING, AND CAP ROCKS IS PERPENDICULAR TO FACE OF ROCKERY.
11. VOIDS BETWEEN ROCKS SHOULD BE AVOIDED AS MUCH AS POSSIBLE. HOWEVER, IN AREAS WHERE VOIDS EXIST, THE VOIDS SHALL BE CHINKED. CHINK ROCKS SHOULD CONSIST OF SPALLS FROM THE PARENT (FACING) ROCK. CHINK ROCKS SHOULD NOT BE MOVABLE BY HAND AND SHOULD BE GROUTED IN PLACE WHERE APPROPRIATE. CHINKING ROCKS SHOULD NOT BE USED AS A MEANS OF SUPPORT FOR OVERLYING FACING ROCKS.
12. CAP ROCKS ARE THE TOP ROW OF FACING ROCKS FOR ROCKERIES. CAP ROCKS ARE TYPICALLY SMALLER AND FLATTER THAN THE OTHER FACING ROCKS USED IN THE ROCKERY. CAP ROCKS SHALL HAVE A WEIGHT OF AT LEAST 200 POUNDS. CAP ROCKS SHOULD NOT BE MOVABLE BY HAND. REGARDLESS OF SIZE, CAP ROCKS SHALL BE GROUTED IN PLACE TO REDUCE THE POTENTIAL FOR DISLODGING.
13. CRUSHED ROCK SHOULD CONSIST OF CRUSHED, WASHED, HARD, DURABLE ROCK MEETING THE FOLLOWING GRADATION REQUIREMENTS:

CRUSHED ROCK

SIEVE SIZE	PERCENT FINER BY WEIGHT
150MM (6IN)	100
100MM (4 IN)	0.0 - 25
19.0MM (3/4 IN)	0.0 – 15
4.75MM (NO. 4)	0.0 – 5.0
75MM (NO. 200)	0.0 – 2.0

14. WHERE LOOSE, SOFT, OR OTHERWISE UNSUITABLE FOUNDATION SOIL CONDITIONS ARE ENCOUNTERED, CONTACT THE ENGINEER FOR SUPPLEMENTAL RECOMMENDATIONS.
15. DISCHARGE OUTLET PIPES TO A PROTECTED OUTLET OR OTHER PERMANENET DRAINAGE STRUCTURE AT LOW POINTS IN THE ROCKERY. DRAIN OUTLETS SHOULD NOT EMPTY INTO STORM DRAINS THAT ARE DESIGNED TO BACK-UP DURING HEAVY FLOWS.
16. STABILITY OF TEMPORARY CUT SLOPES IS THE RESPONSIBILITY OF THE CONTRACTOR.
17. DO NOT CONSTRUCT ROCKERIES OR SLOPES EXCEEDING THE HEIGHTS SHOWN ON THE PLAN.

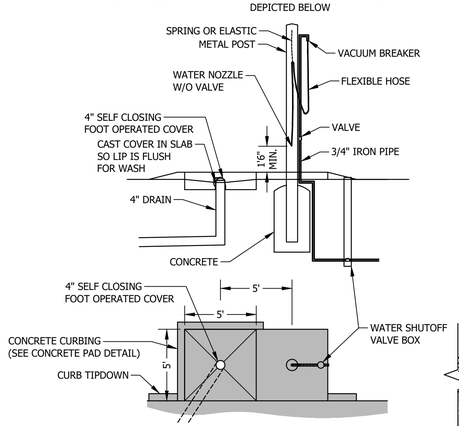


INFILTRATION STONE DRIP EDGE DETAIL

NOT TO SCALE

NOTE: SIGNS NOT DEPICTED IN THIS DETAIL SEE SITE PLAN AND POLE MOUNTED SIGN DETAIL

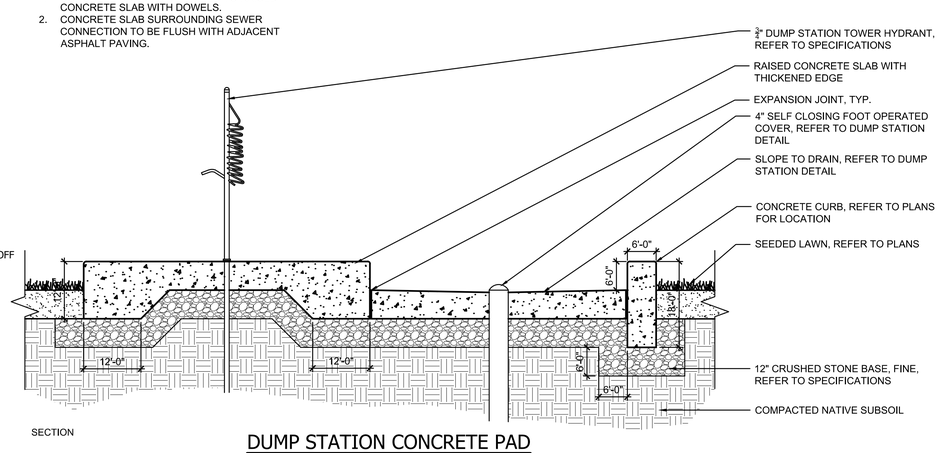
NOTE: MANUFACTURED TOWER HYDRANT, SUCH AS MURDOCK M-225-RV OR APPROVED EQUIVALENT, MAY BE SUBSTITUTED FOR SITE-CONSTRUCTED WASHOUT STATION DEPICTED BELOW



DUMP STATION DETAILS

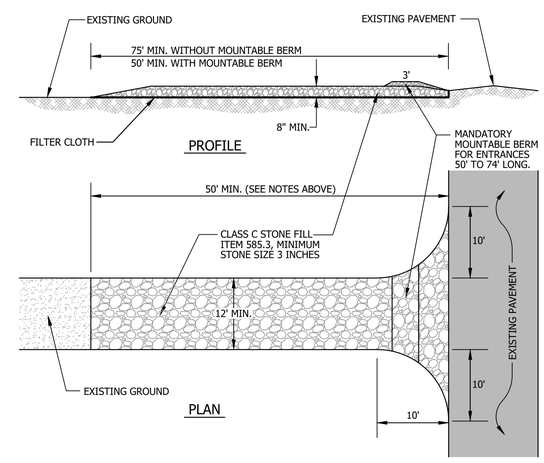
NOT TO SCALE

NOTES:
1. CONCRETE CURB TO BE PINNED TO RAISED CONCRETE SLAB WITH DOWELS.
2. CONCRETE SLAB SURROUNDING SEWER CONNECTION TO BE FLUSH WITH ADJACENT ASPHALT PAVING.



DUMP STATION CONCRETE PAD

NOT TO SCALE



STABILIZED CONSTRUCTION EXIT

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APRIL 25 2024
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Issue
Project No. 81205R
Contract B

Graphic Scale

North

Scale: Varies

Date: April 4, 2024

Drawn By: SJB

Checked By: WTD

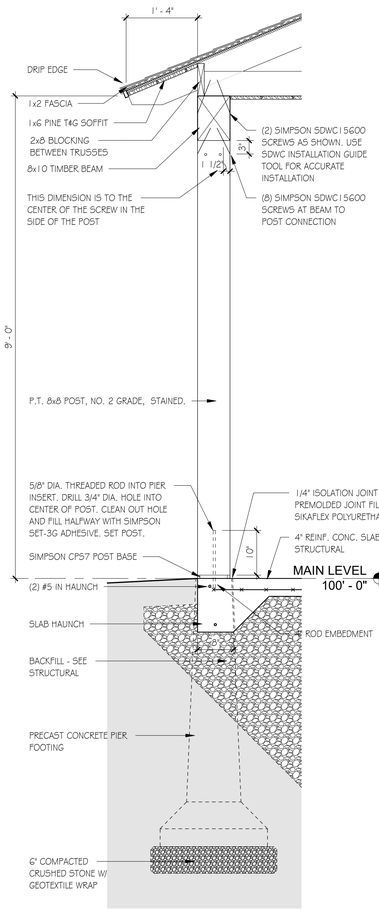
Issues:

No.	Description	Date
1	BID ADDENDUM #1	04/25/24

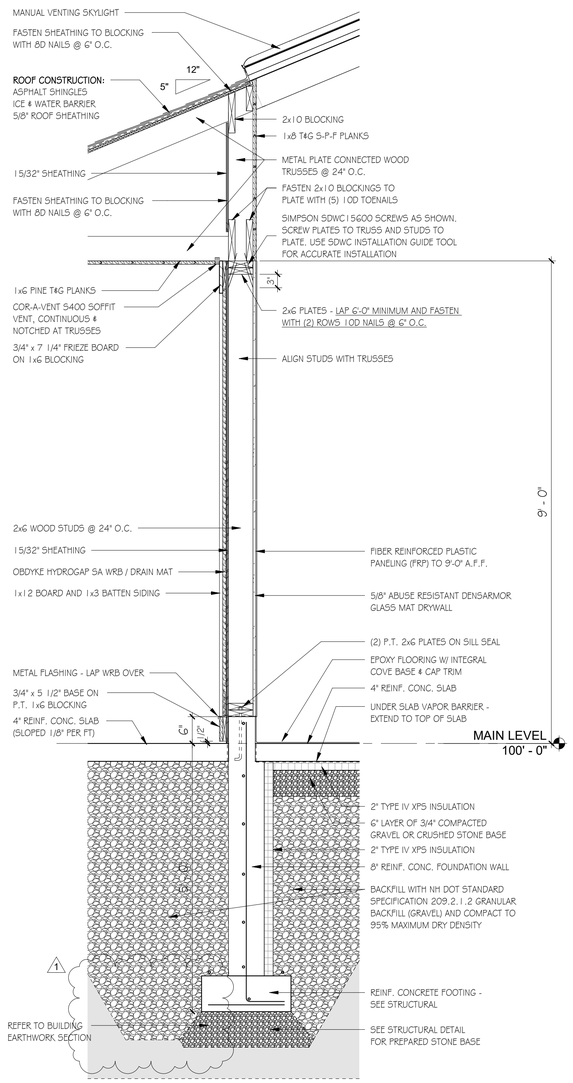
Title
DETAILS
MISCELLANEOUS

Sheet Number:
C5.01

Project Number: 23045001
File: 220838_base-01_pawtuckaway.dwg



4 WALL SECTION 2
Scale: 3/4" = 1'-0"



3 WALL SECTION 1
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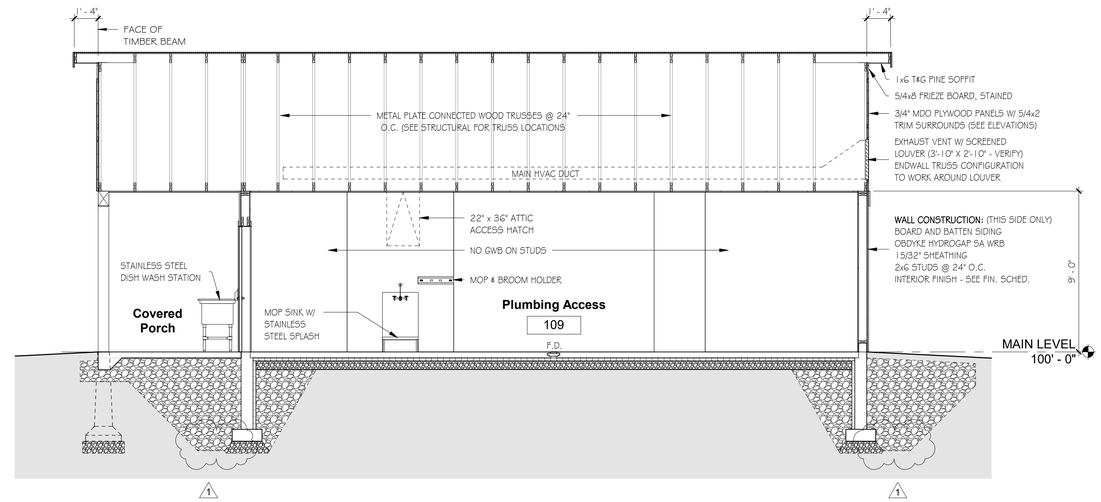

2 BUILDING SECTION B
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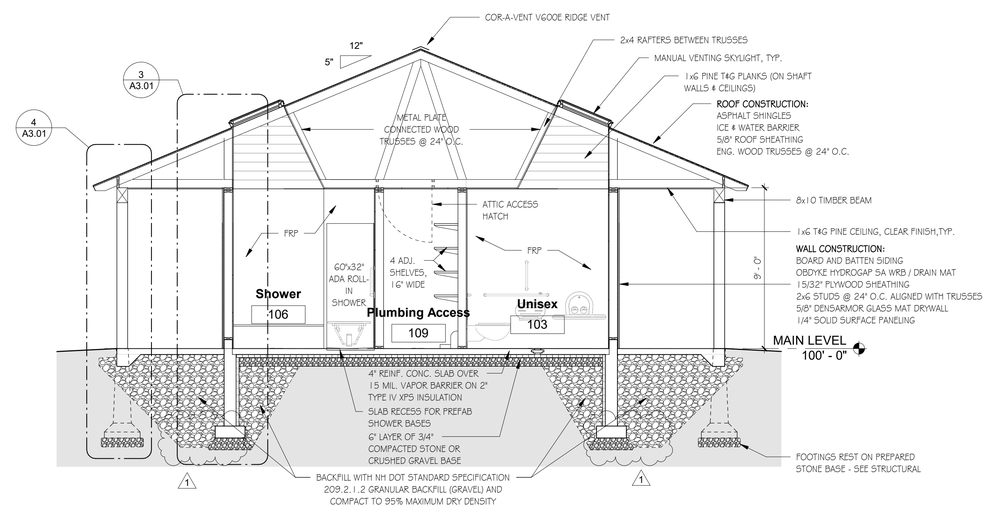

1 BUILDING SECTION
Scale: 1/4" = 1'-0"

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Structural Engineer:
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NH STATE PARKS

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7 Pawtuckaway Road
Nottingham, NH
03290

Issue
Project No. 81205R
Contract B

Graphic Scale

North

Scale: As indicated

Date: April 4, 2024

Drawn By: MR

Checked By: WD

Issues:

No.	Description	Date
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Title

BUILDING & WALL SECTIONS

Sheet Number:

A3.01
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Project Number: 2136A

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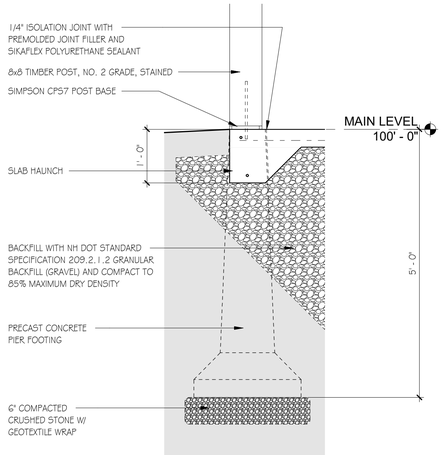

3 SLAB EDGE DETAIL
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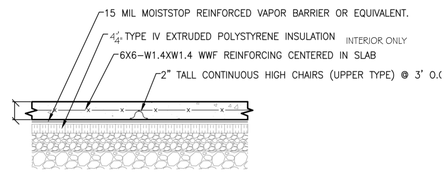

4 CONCRETE SLAB-ON-GRADE DETAIL
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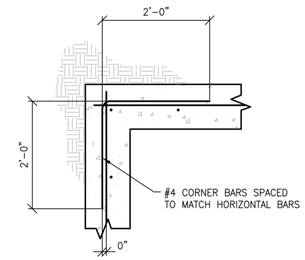

5 CORNER REINFORCING DETAIL
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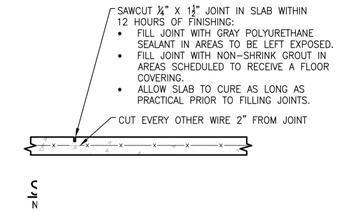
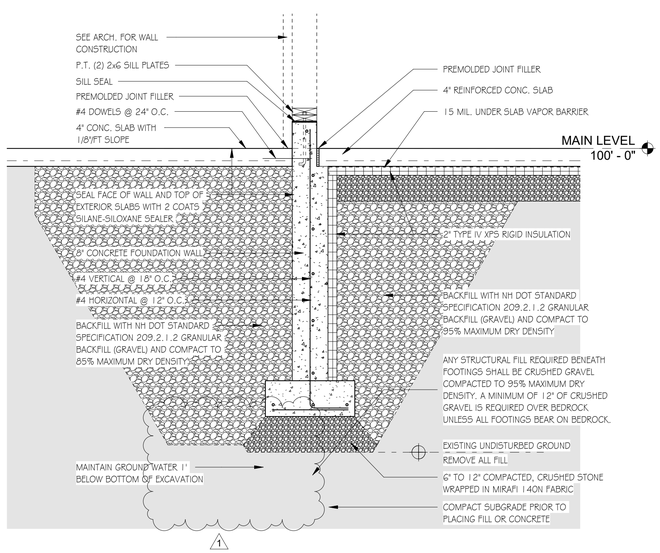
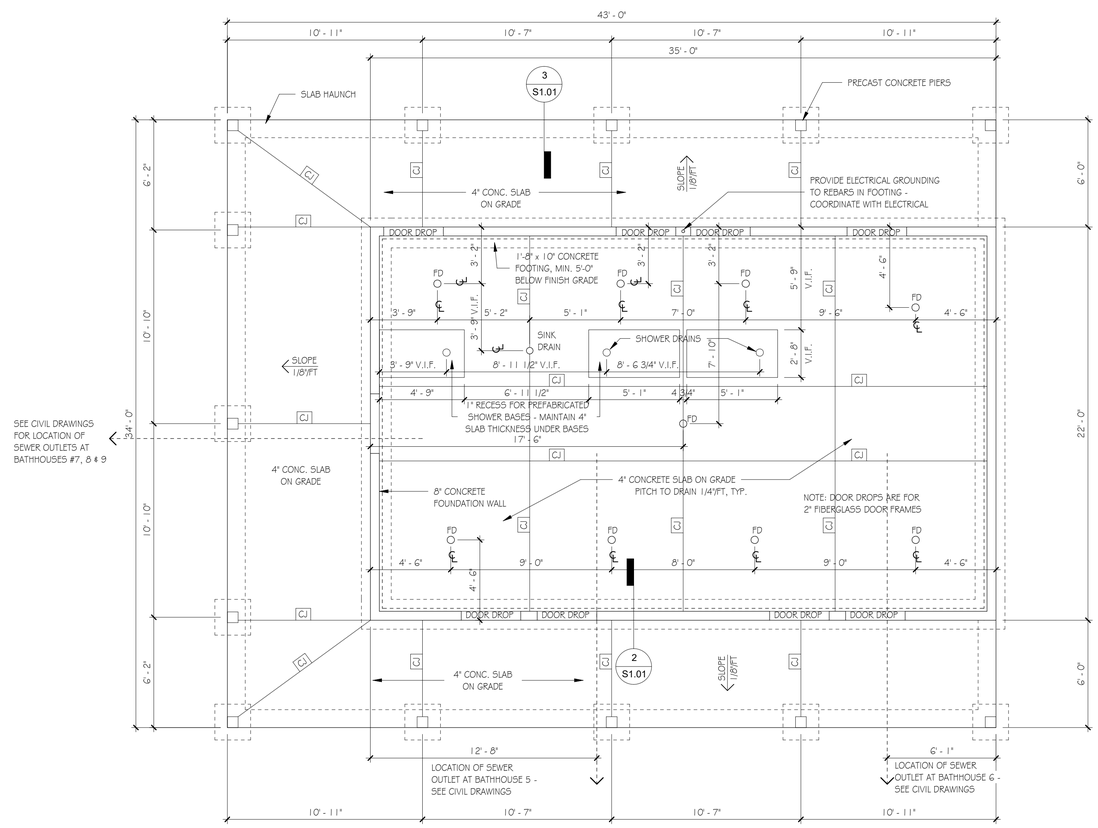


6 SLAB CONTROL JOINT DETAIL
Scale: N.T.S.

DENOTED ON PLAN AS CJ SCALE DRAWINGS FOR LOCATIONS



2 TYPICAL FOUNDATION DETAIL
Scale: 3/4" = 1'-0"



1 FOUNDATION PLAN
Scale: 1/4" = 1'-0"

NOTE: VERIFY DRAIN LOCATIONS WITH PLUMBING MANUFACTURER SPECIFICATIONS

SAMYN – D'ELIA ARCHITECTS, P.A.
P.O. Box 229
Holderness, NH 03245
tel: (603) 968-7133

HVAC, Elec. & Plumb. Engineer:
Charles P. Buckley, P.E.
500 Depot Street
Rumney, NH 03266
tel: (603) 786-9992

Structural Engineer:
Fisher Engineering, P.C.
686 Belknap Mountain Road
Gilford, NH 03249
tel: (603) 528-7641

NH STATE PARKS

Campground Expansion Project PII
Pawtuckaway State Park
7 Pawtuckaway Road
Nottingham, NH
03290

Issue
Project No. 81205R
Contract B

Graphic Scale

North

Scale: As indicated

Date: April 4, 2024

Drawn By: MR

Checked By: JF

Issues:

No.	Description	Date
1	DELETE FOUNDATION DRAIN	4/26/2024

Title

FOUNDATION PLAN AND DETAILS

Sheet Number:

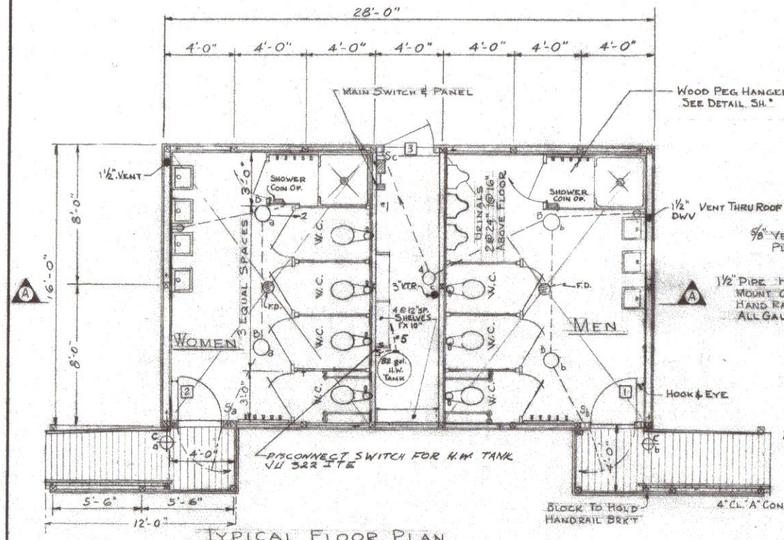
S1.01
REVISED

Project Number: 2136A

File:

C:\Users\Mike\Documents\Pawtuckaway Bathhouse_Architrave34.rvt

4/26/2024 11:32:21 AM



TYPICAL FLOOR PLAN

SCALE: ¼"=1'-0"

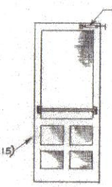
NOTE: PROVIDE 4" RUBBER BASE COVE

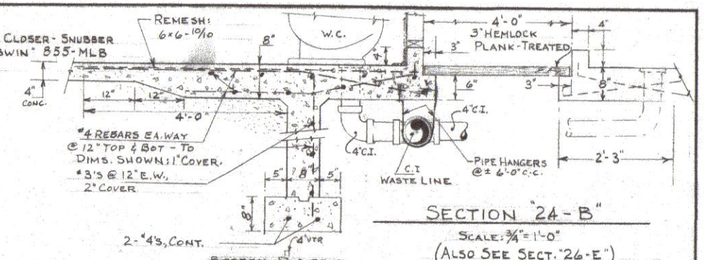
DOOR SCHEDULE

DOORS — TO HAVE ONE-WAY LOCKS.

NUMBER	SIZE	TYPE	REMARKS
1	3'-0" x 6'-8"	BATTEN	OAK THRESHOLD
2	3'-0" x 6'-8"	BATTEN	OAK THRESHOLD
3	3'-0" x 6'-8"	BATTEN	

NOTE: PROVIDE WOOD SCREEN DOORS W/ HARDWARE ("DROSCO" CP-15) FOR DOORS NO. 1 & 2. PROVIDE SCREEN PANELS W/ ¼" GALV. HARWARE CLOTH. PROVIDE STL. "PUSH-BARS"

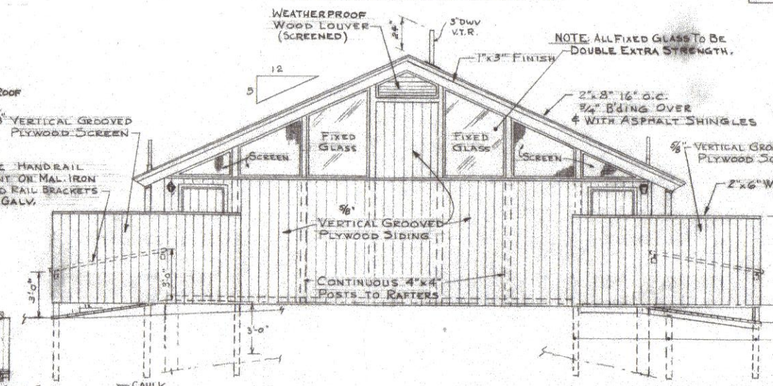




SECTION "24-B"

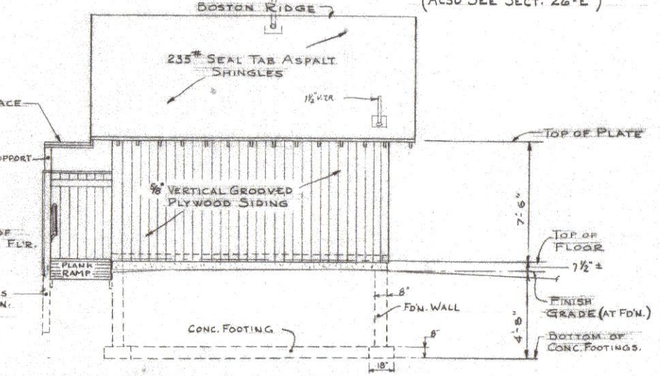
SCALE: ¾"=1'-0"

(ALSO SEE SECT. "26-E")



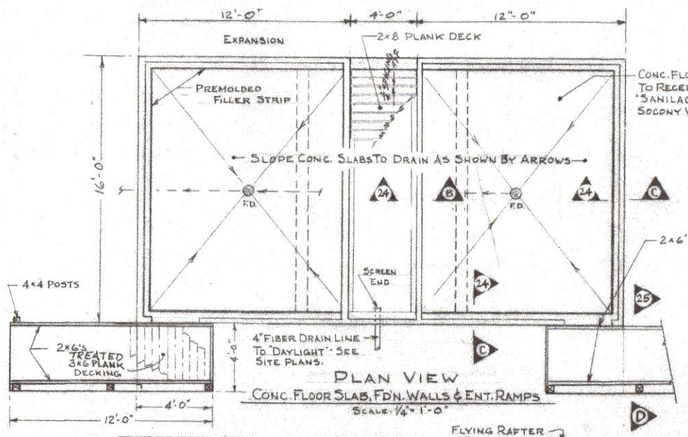
TYPICAL FRONT ELEVATION

SCALE: ¼"=1'-0"



TYPICAL SIDE ELEVATION

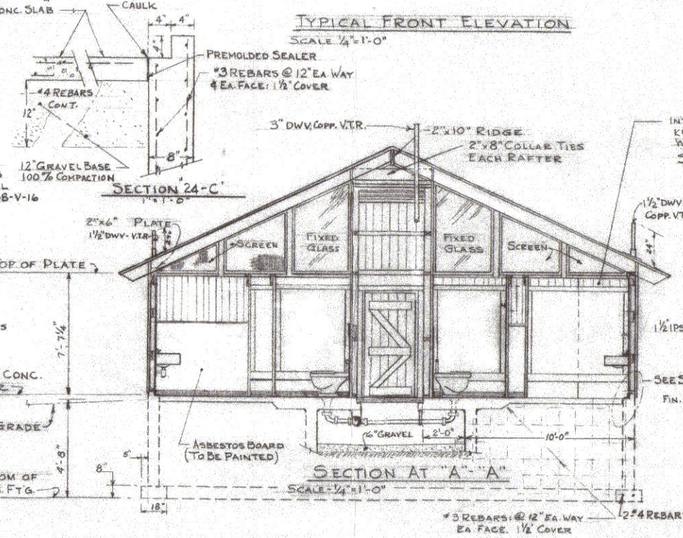
SCALE: ¼"=1'-0"



PLAN VIEW

CONC. FLOOR SLAB, FDN. WALLS & ENT. RAMPS

SCALE: ¼"=1'-0"

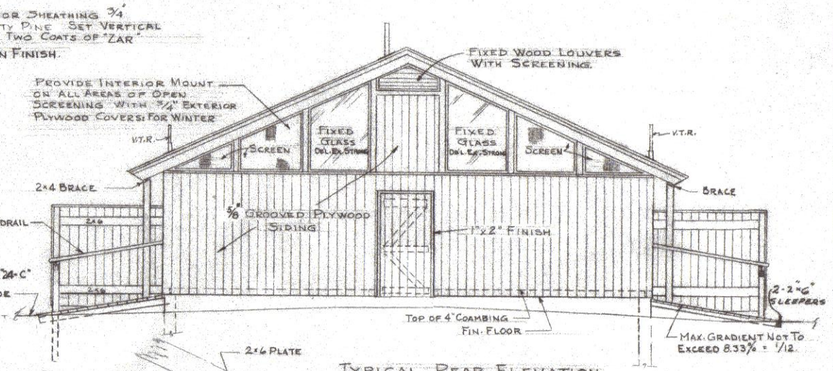


SECTION 24-C

1"=1'-0"

SECTION AT "A"-"A"

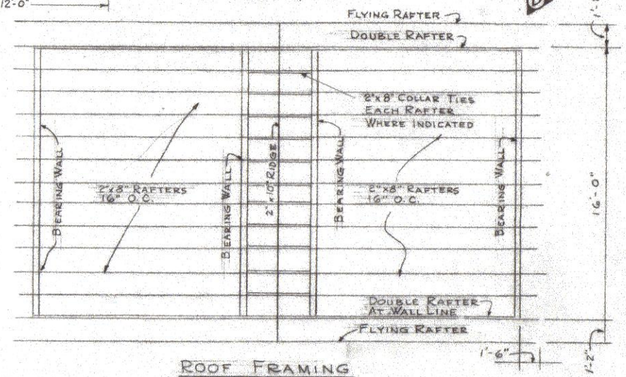
SCALE: ¼"=1'-0"



TYPICAL REAR ELEVATION

SCALE: ¼"=1'-0"

FINISH SHEATHING SHALL CONSIST OF ⅜" CEMENT ASBESTOS BOARD 4'-0" HIGH & ¾" KNOTTY PINE BRDS T.&G. TO EXTEND TO PLATE. FURRING STRIPS SHALL BE USED TO BRING OUTSIDE FACE OF ASBESTOS BOARD FLUSH WITH KNOTTY PINE BRDS. THE JOINT SHALL BE CONCEALED WITH #8208 - ¾"x2⅜" PINE WOOD MOULDING. ALL PIPING SHALL BE CONCEALED IN WALLS. 4"x4" POSTS SHALL NOT BE CUT MORE THAN ½" WHEN MORE CLEARANCE INSIDE WALL IS NEEDED FURRING STRIPS AS MENTIONED ABOVE SHALL BE PROVIDED IN ORDER TO OBTAIN NECESSARY CLEARANCE FOR PIPING.



ROOF FRAMING

SCALE: ¼"=1'-0"

ELECTRICAL LEGEND

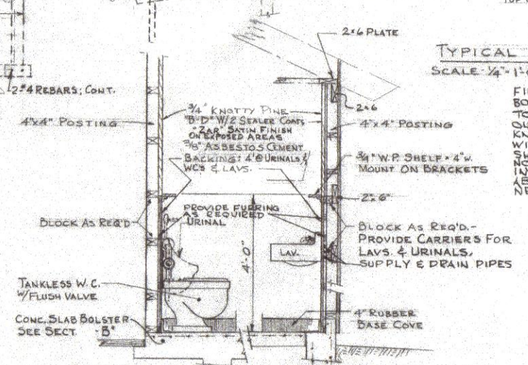
- A/b — INCANDESCENT LIGHTING FIXTURE, "A" INDICATES TYPE IN FIXTURE SCHEDULE "b" INDICATES CONTROL BY WALL SWITCH "Sb"
- WALL RECEPTACLE: BRYANT #5352 OR EQUAL, 15 A, 125 V., GROUNDING TYPE.
- Sb — WALL SWITCH: LEVITON #5511 OR EQUAL, 15 A, 125 V., QUIET TYPE, KEY OPER.
- EMT EXPOSED TICKS INDICATE NO. OF WIRES IF MORE THAN TWO.
- #1 — HOME RUN TO PANEL. NUMBERS INDICATE CIRCUIT NO. IN PANEL

NOTE: WALL PLATES TO BE STAINLESS STEEL: SEARS ROEBUCK #34G-6 SERIES OR APPROVED EQUAL.

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	LAMPS	MOUNTING	REMARKS
A		1-100 W. INCAN.	WALL	PORC. RECEP. W/ OUTLET
B	McPHILBEN 44-44VTP	1-15 W INCAN.	PENDANT	MOUNT 8' OR ABOVE FLR.
C	McPHILBEN 9-30VT	1-100 W. INCAN.	WALL	MOUNT 7'-6" ± ABV. FLR.

NOTE: WIRING FOR PENDANT MOUNTED FIXTURES SHALL BE CONCEALED IN CONDUIT "WIRE MOLD" ATTACHED TO UNDERSIDE OF ROOF.



TYPICAL WALL SECTION AT LAVATORIES WATER CLOSETS & URINALS

SCALE: NONE

THE STATE OF NEW HAMPSHIRE — FRANK V. WRIGHT, JR. 679 — REGISTERED PROFESSIONAL ENGINEER

NO.	REVISIONS	DATE	APP'D

PAWTUCKAWAY STATE PARK

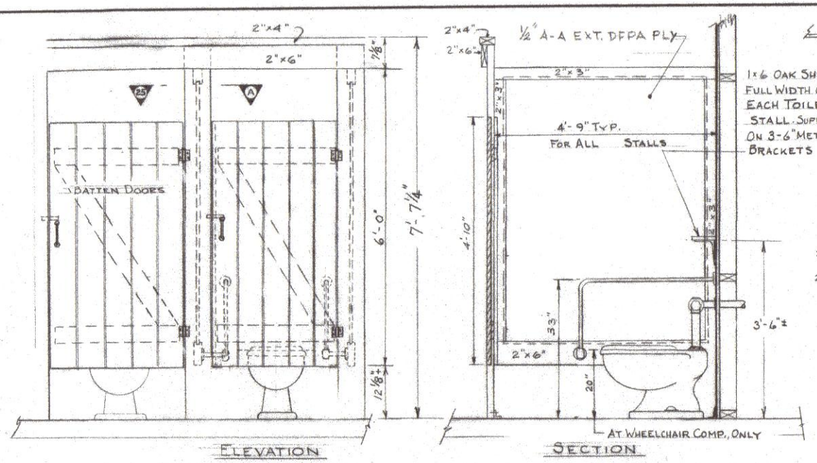
TOILET BLDG.

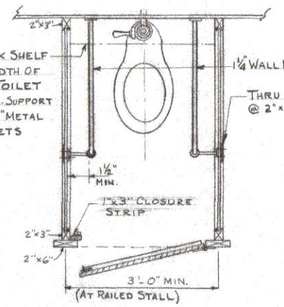
STATE OF NEW HAMPSHIRE
DEPARTMENT OF PUBLIC WORKS & HIGHWAYS

WRIGHT, PIERCE, BARNES & WYMAN
ENGINEERS
PORTSMOUTH, NEW HAMPSHIRE

DRAWN BY: W.A.S.	SCALE: AS SHOWN	SHEET NO.	
CHECKED BY: W.S.R.	DATE: JULY, 1968	24	
APPROVED BY: F.V.W. JR.	DATE: 1968		
BOOK NO. —	PROJECT NO. 8167-B	OF 27	

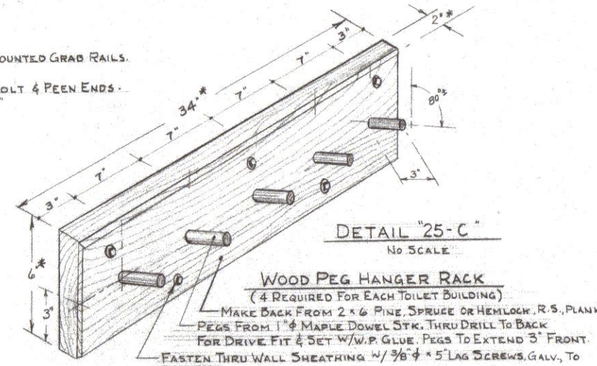
K+E PHOENIX B.L.M. 8604





TYPICAL TOILET STALL DETAILS

WIDTH OF STALLS & DOORS VARIES



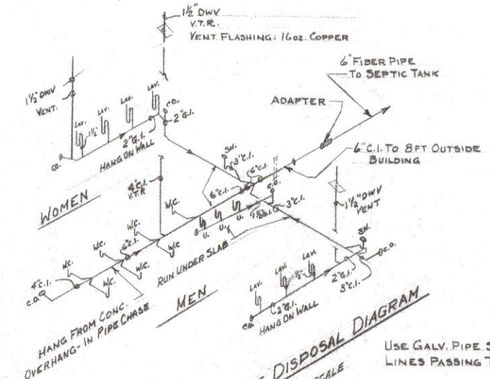
DETAIL "25-C"

NO SCALE

WOOD PEG HANGER RACK

(4 REQUIRED FOR EACH TOILET BUILDING)

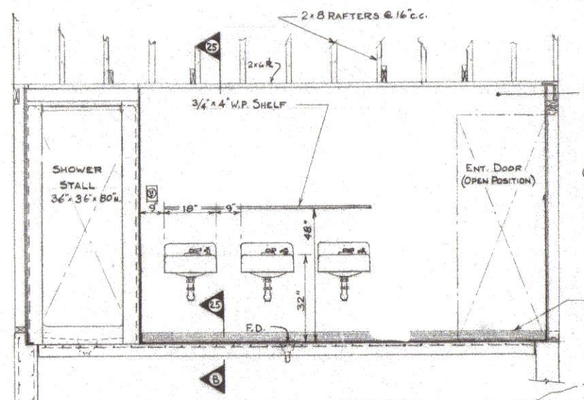
* HANGER MAY BE MADE FROM 2" R.S., "SLABED" PLANK. "STUMPED" OR "AXED" FINISH ENDS & RD. EDGES. EXPOSED PEGS MAY BE "WHITTLED" FINISH. DIMENSIONS MAY VARY TO SUIT.



WASTE DISPOSAL DIAGRAM

NO SCALE

USE GALV. PIPE SLEEVES ON ALL LINES PASSING THRU CONC.

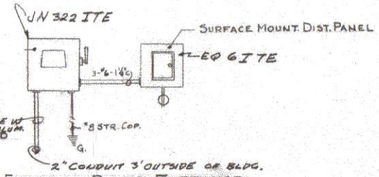


INTERIOR WALLS TO BE SHEATHED W/ 3/4" KNOTTY PINE 4'-0" ABOVE FLOOR TO RAFTERS AT PIPE CHASE, TO PLATE AT OTHER WALLS PROVIDE 3/8" ASBESTOS B'd. TO 4'-0" ABOVE FL. AT LAVS., URINALS & W.C. ALL OTHER AREAS USE KNOTTY PINE. EXPOSED INT. SHEATHING (PINE) TO RECEIVE 2 COATS OF "ZAR" SATIN FINISH. ASBESTOS BOARD TO BE PAINTED: 1 PRIME & 2 FIN. COATS.

ELEVATION AT LAVATORY WALL

MEN'S SECTION SHOWN

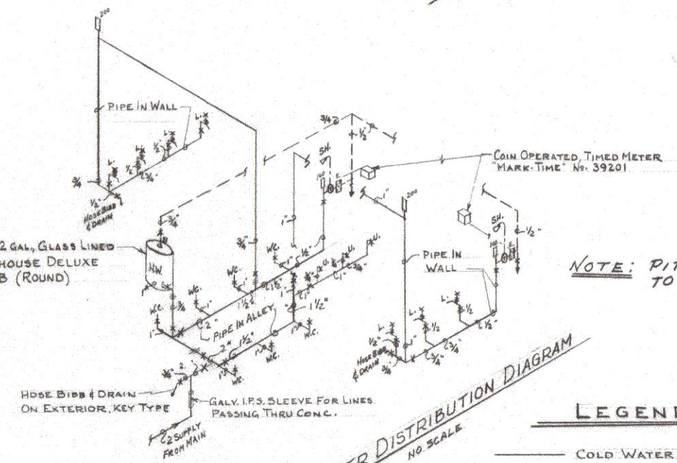
SCALE: ½" = 1'-0"



ELECTRIC POWER ENTRANCE

DISTRIBUTION PANEL SCHEDULE 120/240 V., 60~ 1 SN., 3 WIRE.			
CIR. NO.	VOLTS	BRKR.	DESCRIPTION - USE
1	110	15 A.	LIGHTS, RECEP & SHOWER METER
2	110	15 A.	" " " " "
3			SPARE
4			SPARE
5	240	40	H.W. HEATER
6			SPARE

EXPOSED CIRCUITS TO RUN IN EMT CONDUIT. WIRING HIDDEN MAY RUN "ROMEX", OR APP'D. EQUAL.



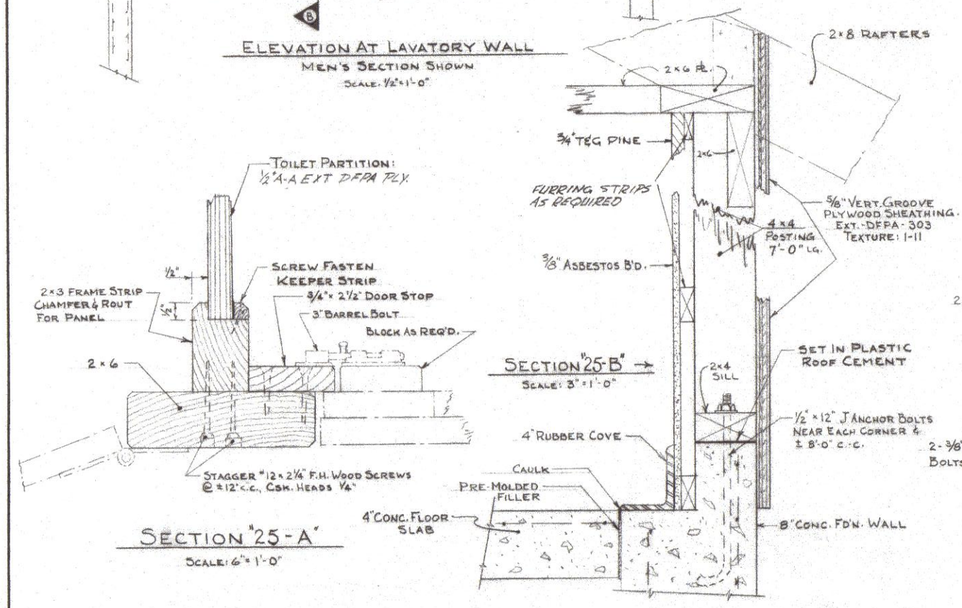
NOTE: PITCH ALL PIPING TO DRAIN SYSTEM

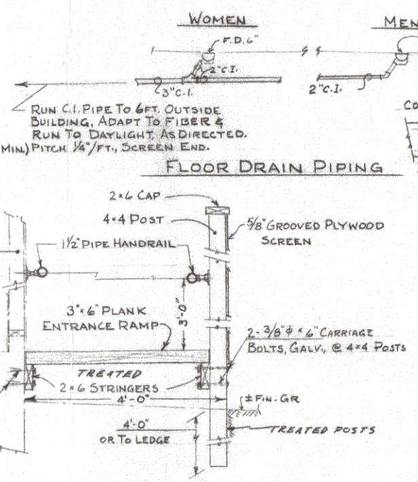
WATER DISTRIBUTION DIAGRAM

NO SCALE

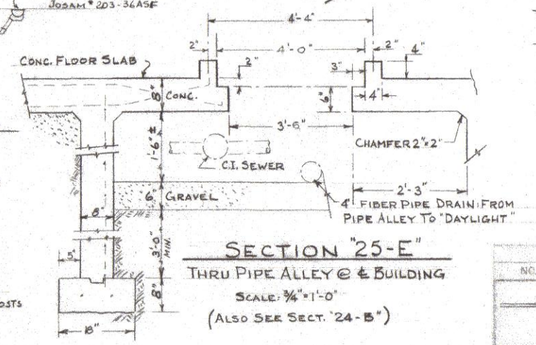
LEGEND

- COLD WATER LINES
- HOT WATER
- VALVE OR FAUCET
- SPRING FAUCET
- COIN OP. VALVE (VIA ELECT.) (SOLENOID)
- "THERMOGUARD" UNIT
- SHOCK ABSORBER





FLOOR DRAIN PIPING



SECTION "25-E"

THRU PIPE ALLEY @ ℄ BUILDING

SCALE: 3/4" = 1'-0"

(ALSO SEE SECT. '24-B")

THE STATE OF NEW HAMPSHIRE — FRANK V. WRIGHT, JR. 679 — REGISTERED PROFESSIONAL ENGINEER

NO.	REVISIONS	DATE	APP'D

PAWTUCKAWAY STATE PARK

TOILET BLDG. DETAILS

STATE OF NEW HAMPSHIRE
DEPARTMENT OF PUBLIC WORKS & HIGHWAYS

WRIGHT, PIERCE, BARNES & WYMAN
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PORTSMOUTH, NEW HAMPSHIRE

DRAWN BY: W.A.S.	SCALE: AS SHOWN	SHEET NO.	
CHECKED BY: W.S.R.	DATE: JULY, 1968	25	
APPROVED BY: F.V.W. Jr.	DATE: 7, AUG. 1968		
BOOK NO. —	PROJECT NO. 8167-3	OF 27	

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