





APPENDIX A PLANS

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1A	Existing Site Plan Showing New Pavement Limit
2	General Site Plan
3	Grading Plan 1
4	Grading Plan 2
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6	Summit Site Plan
7	Accessible Route A Profile
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10	Route D Profile
11	Accessible Route A Sections A0+10 to A1+10
12	Accessible Route A Sections A1+20 to A2+34
13	Typical Cross Sections
14	Summit Details 1
15	Summit Details 2
16	General Notes

State of Maine,
Dept of Agriculture, Conservation and Forestry
Bureau of Parks and Lands



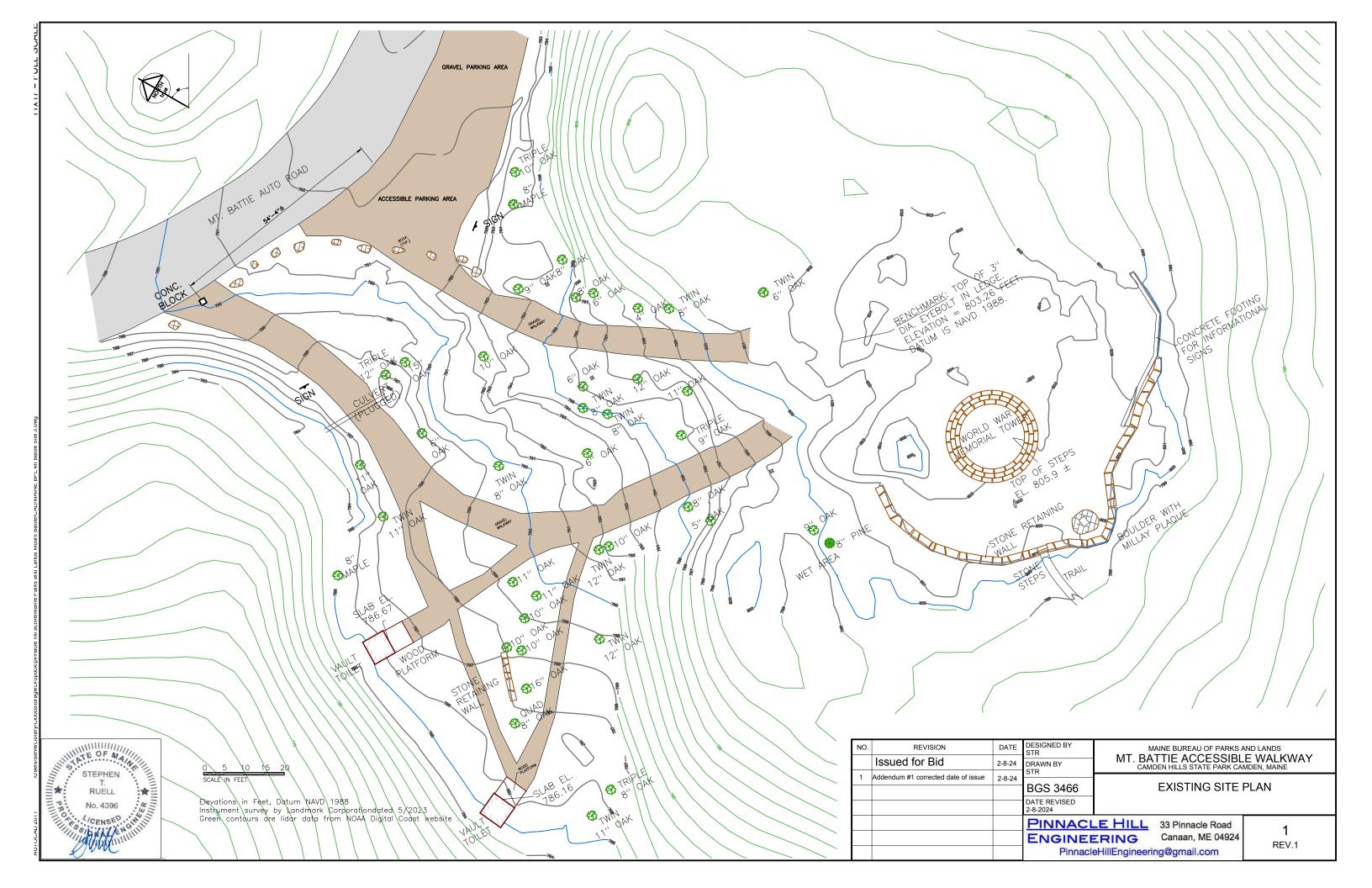
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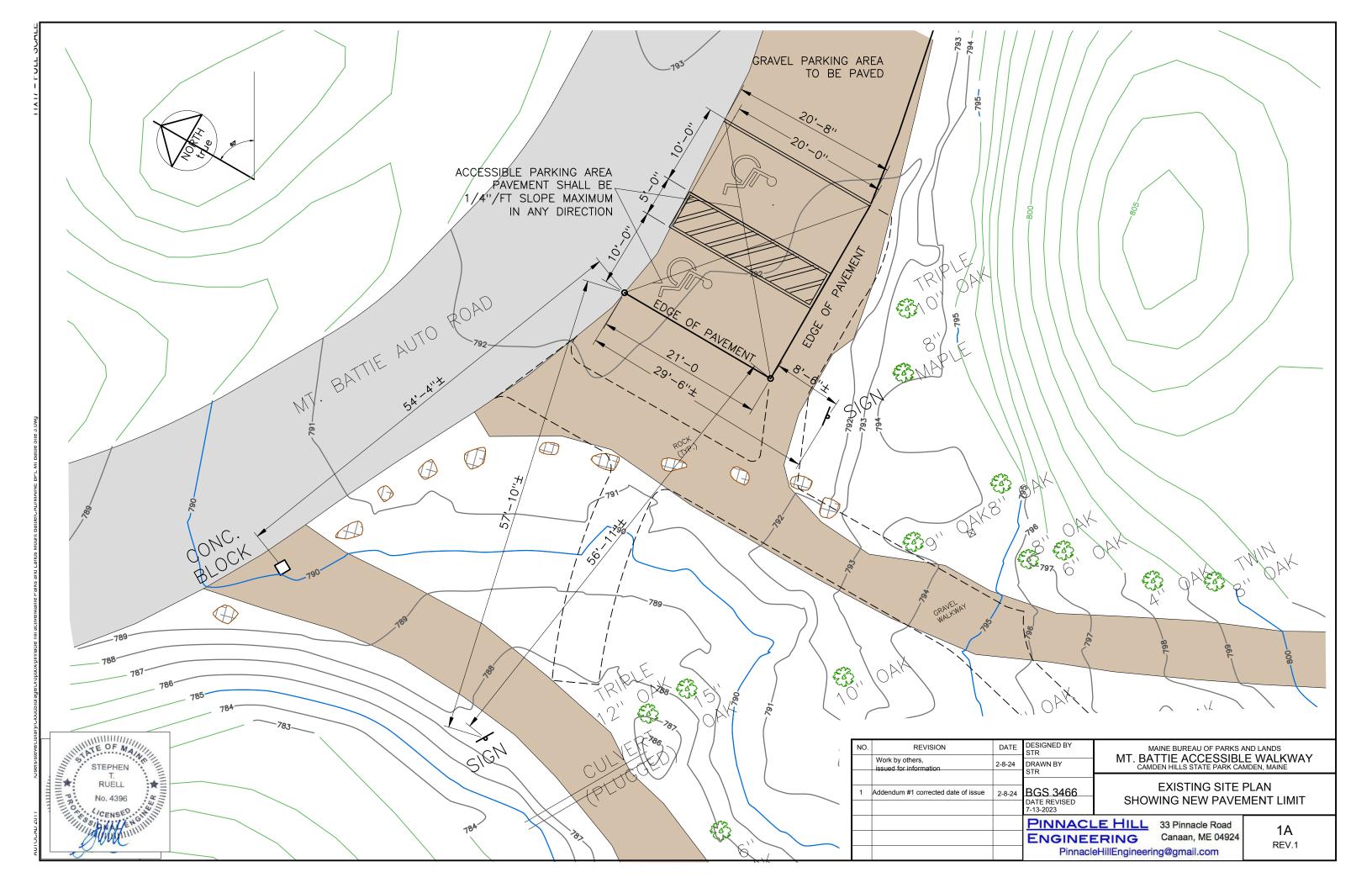
33 Pinnacle Road Canaan, ME 04924

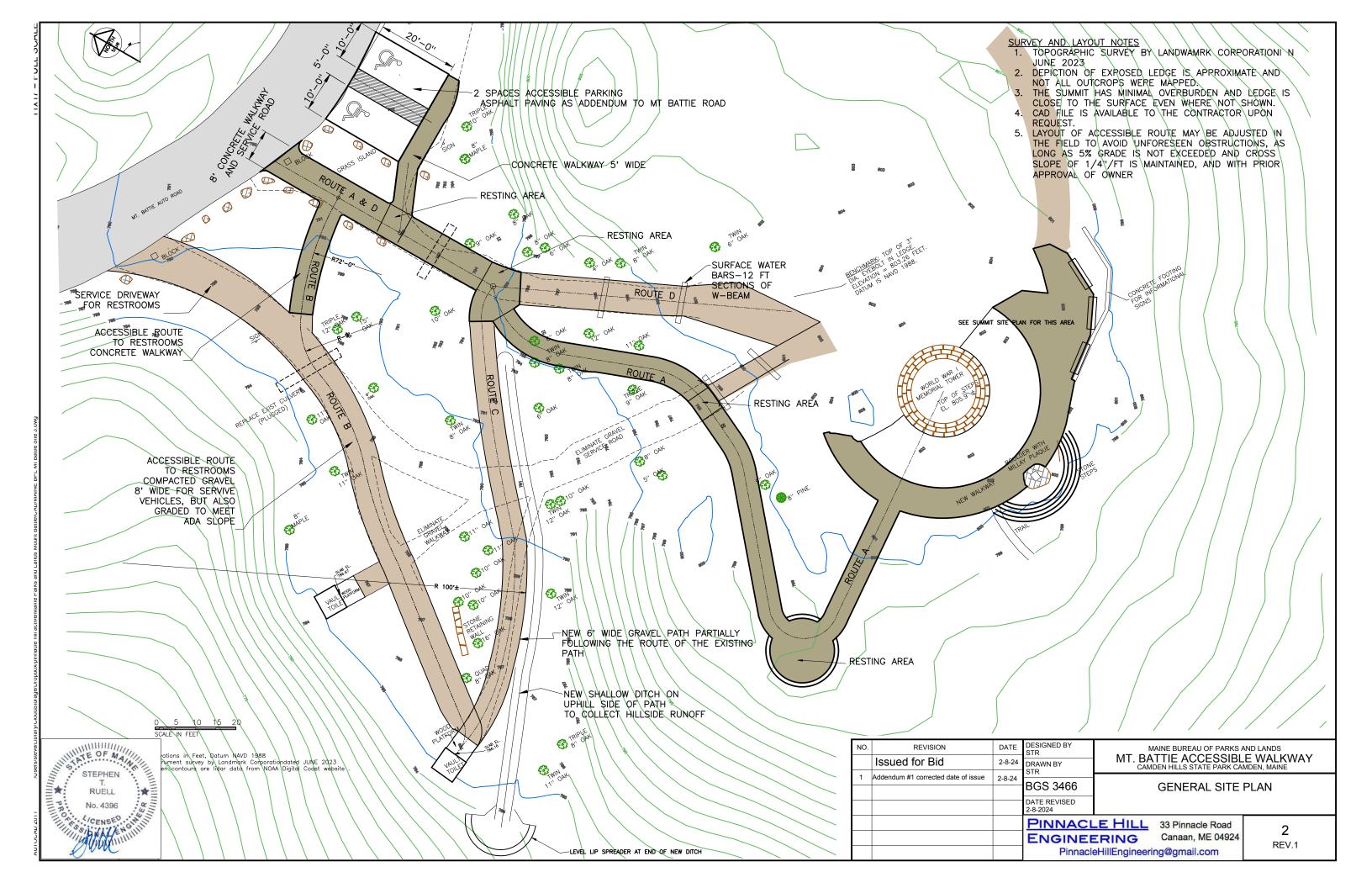
PinnacleHillEngineering@gmail.com

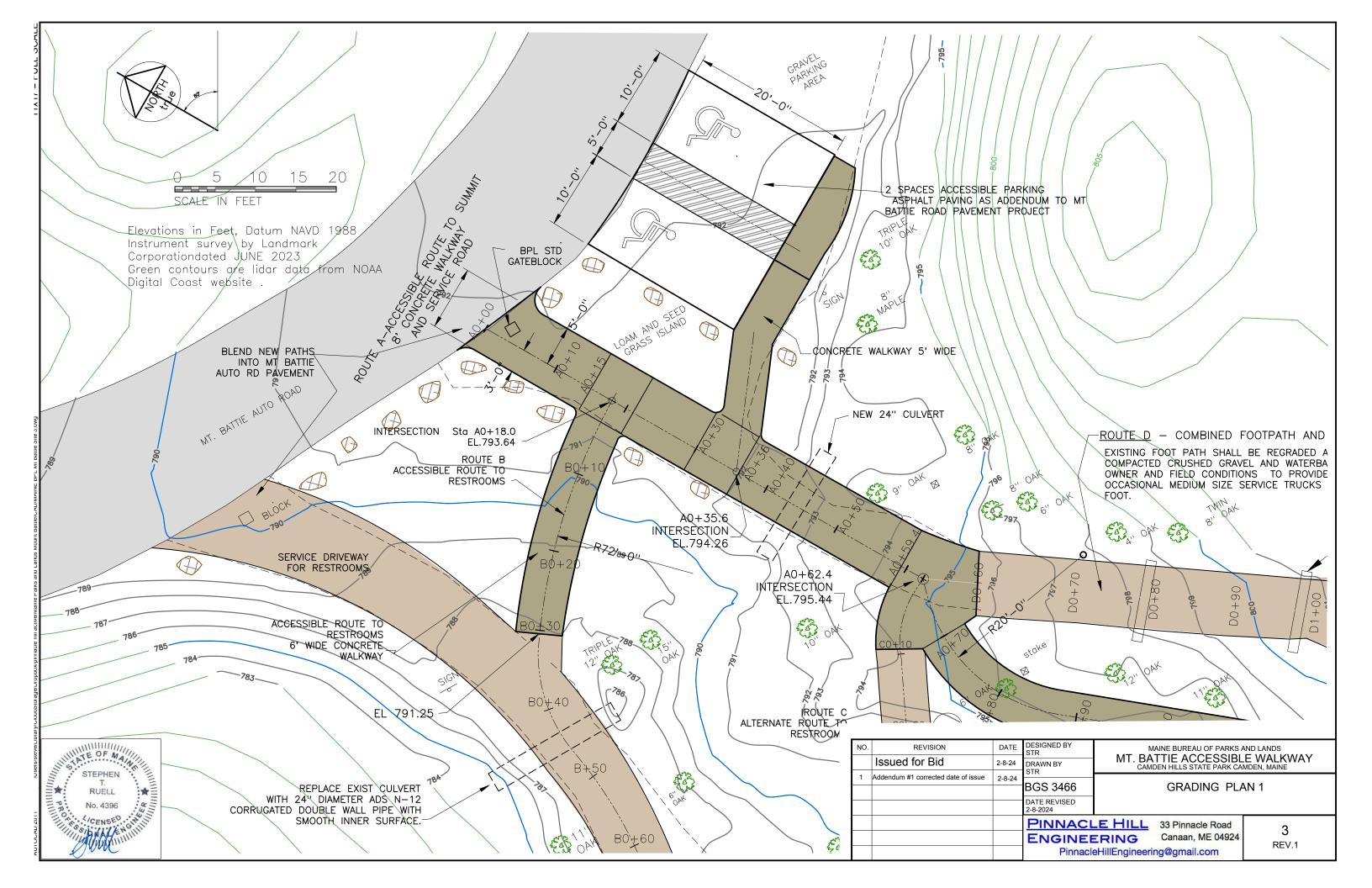
BGS Project 3466

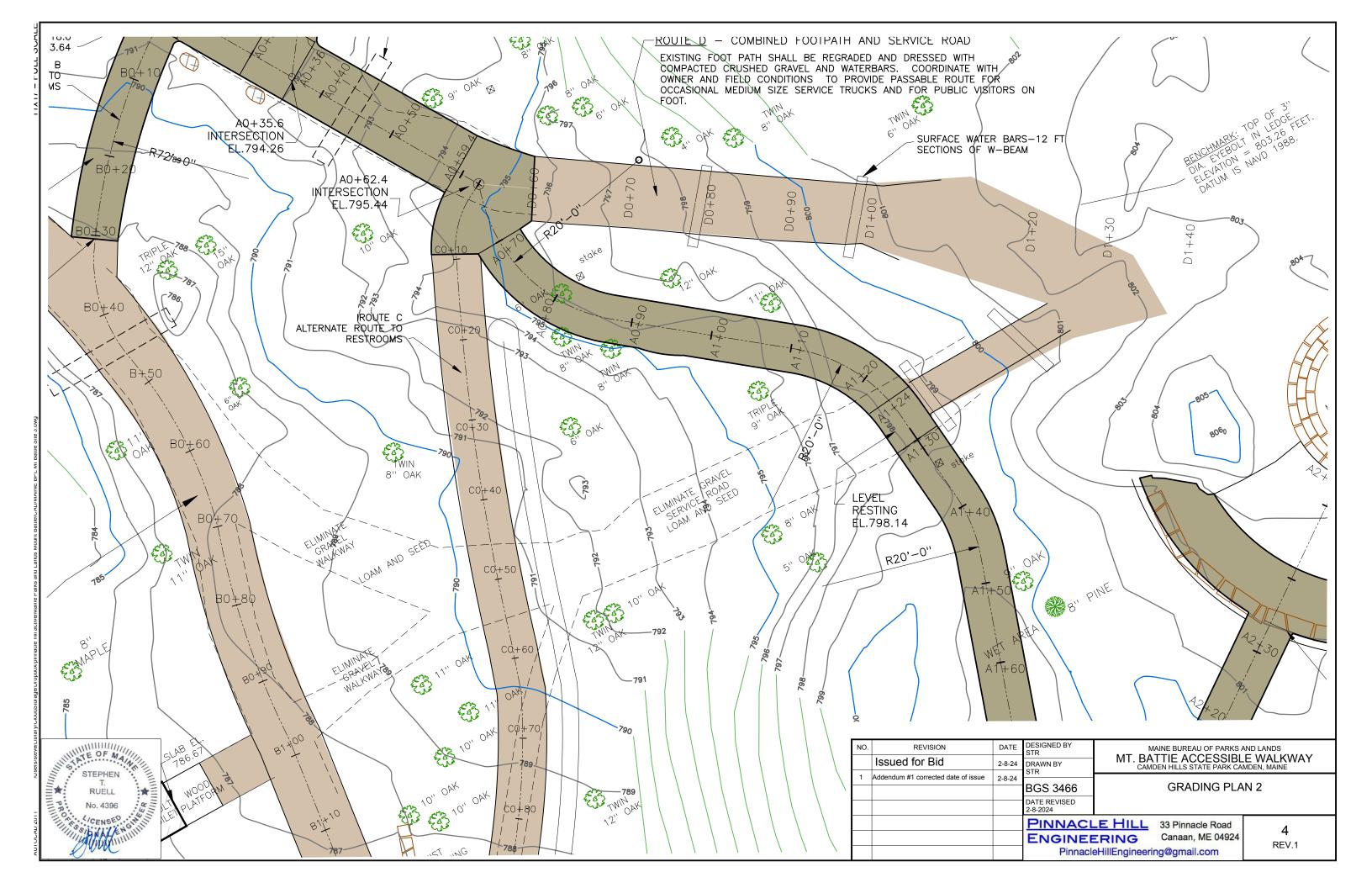
Issued for Bid February 8, 2024 Mount Battie Accessible Walkway
Camden Hills State Park,
Camden, Maine

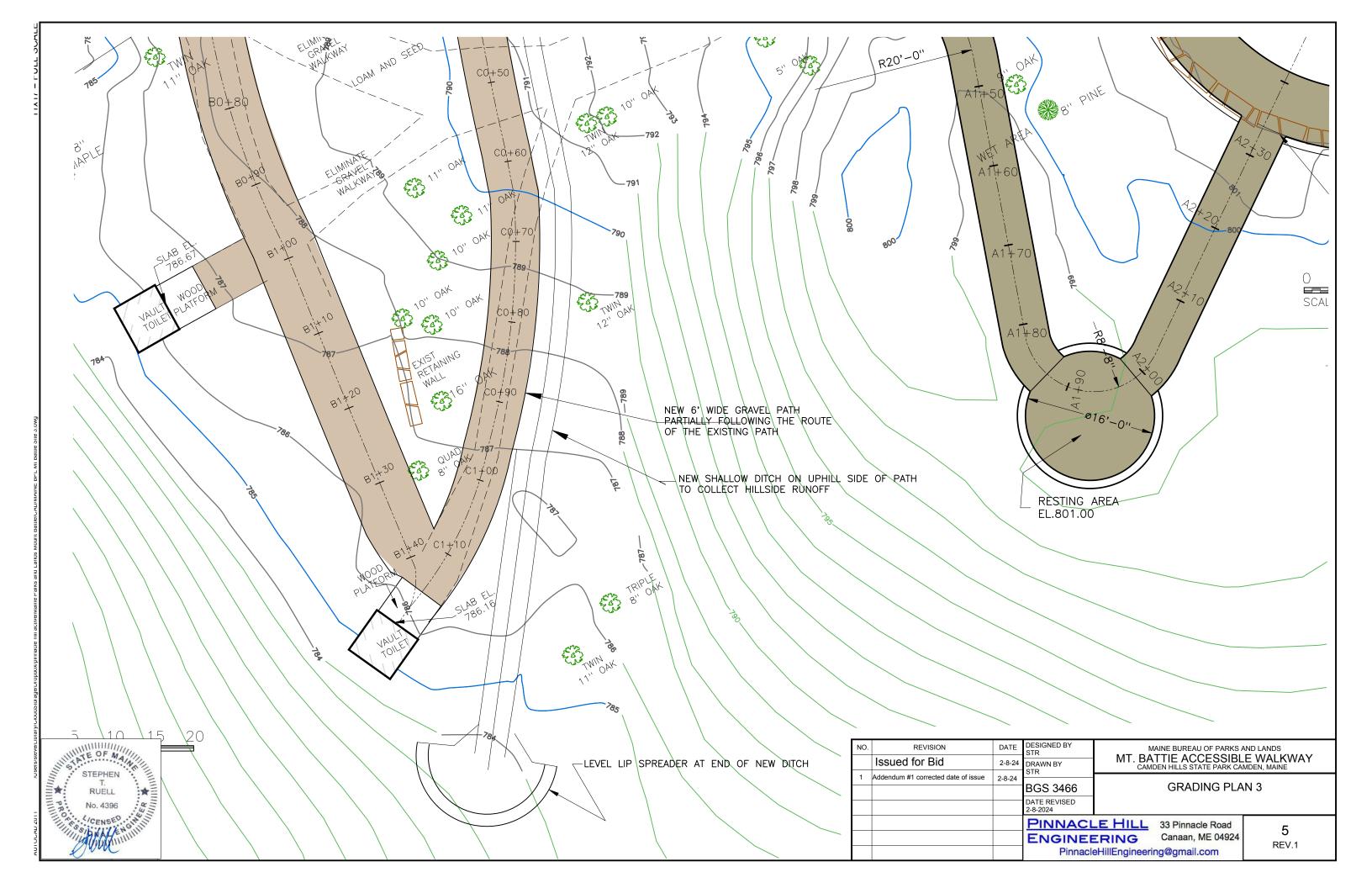


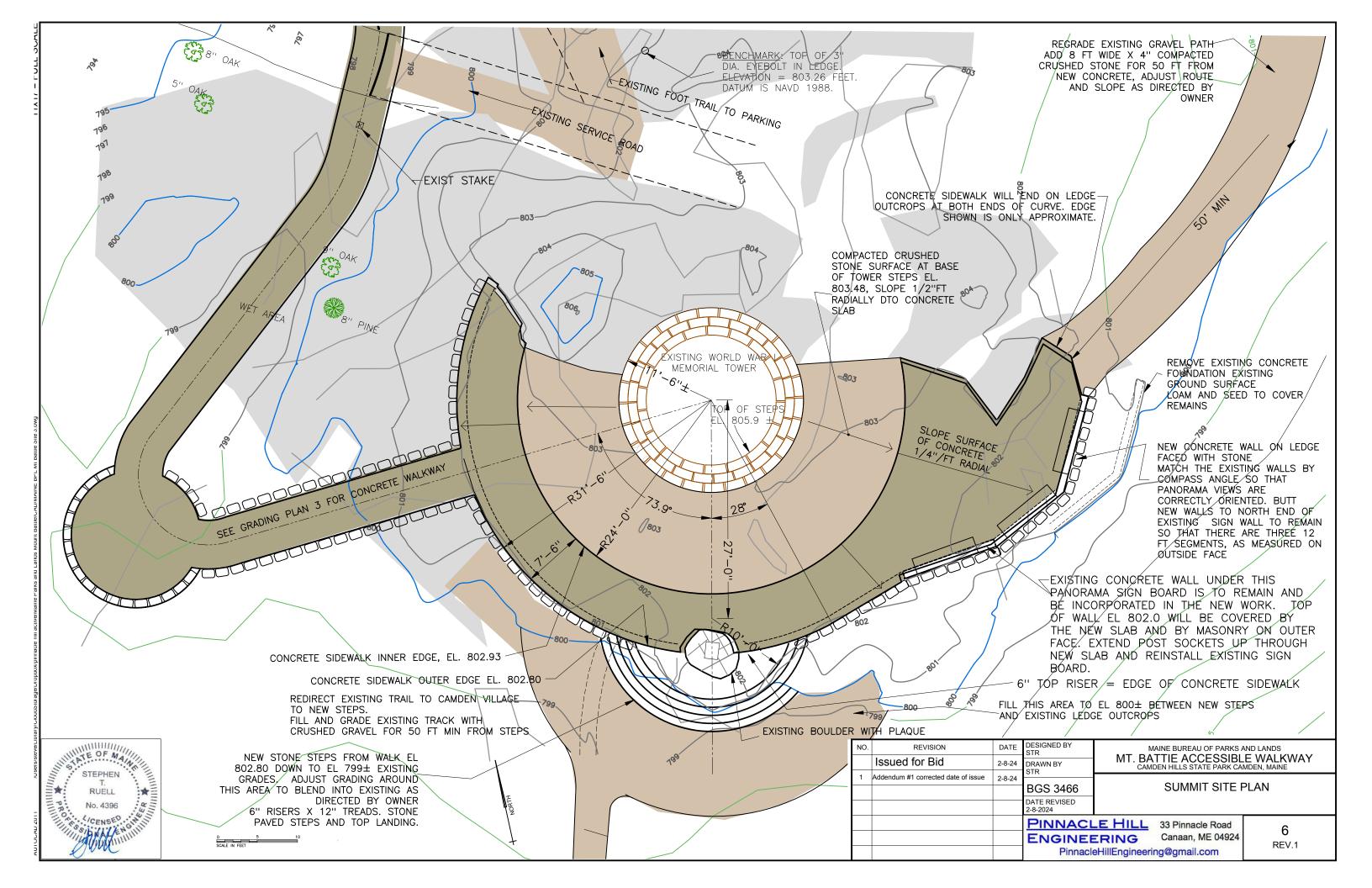


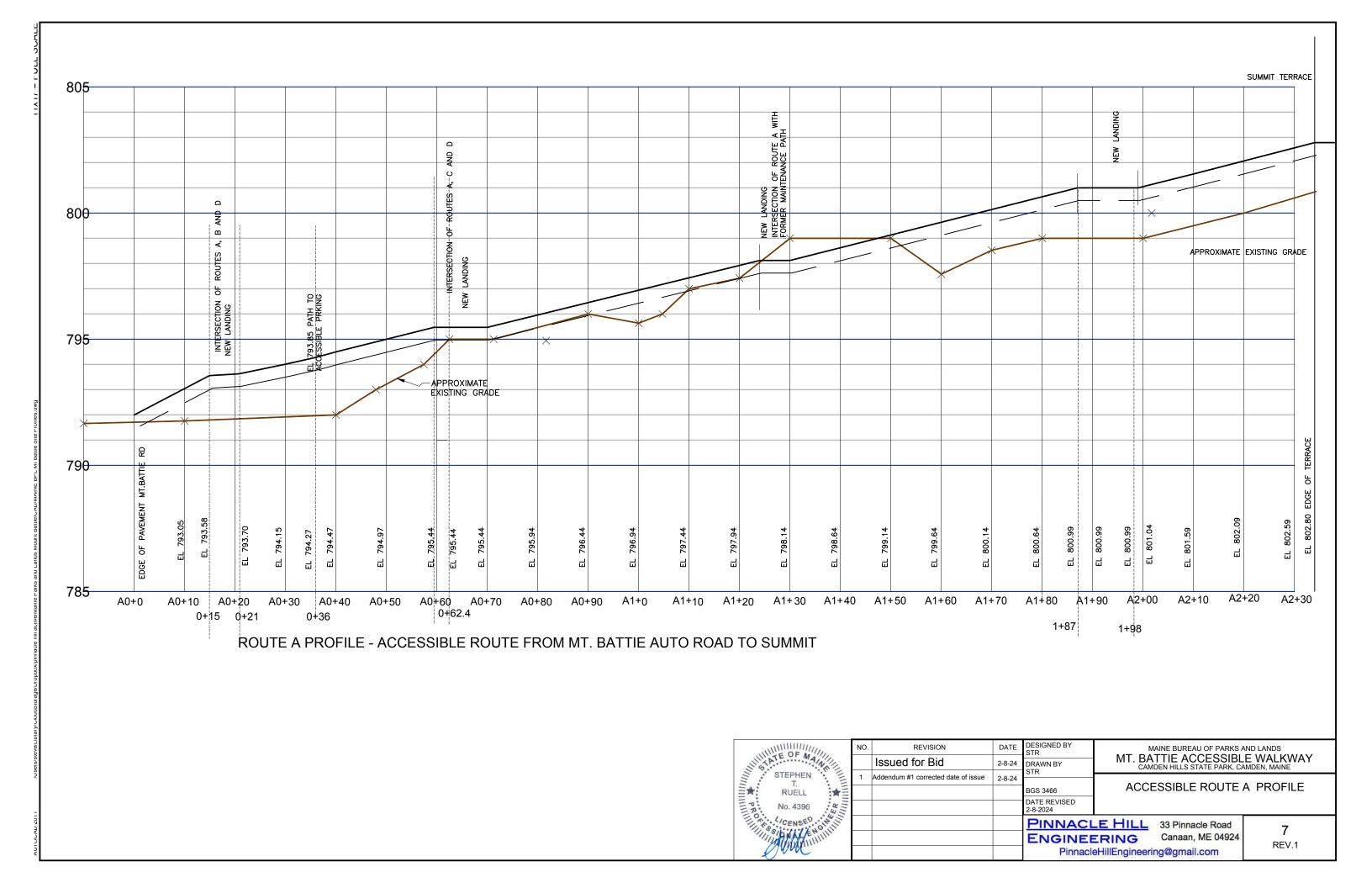


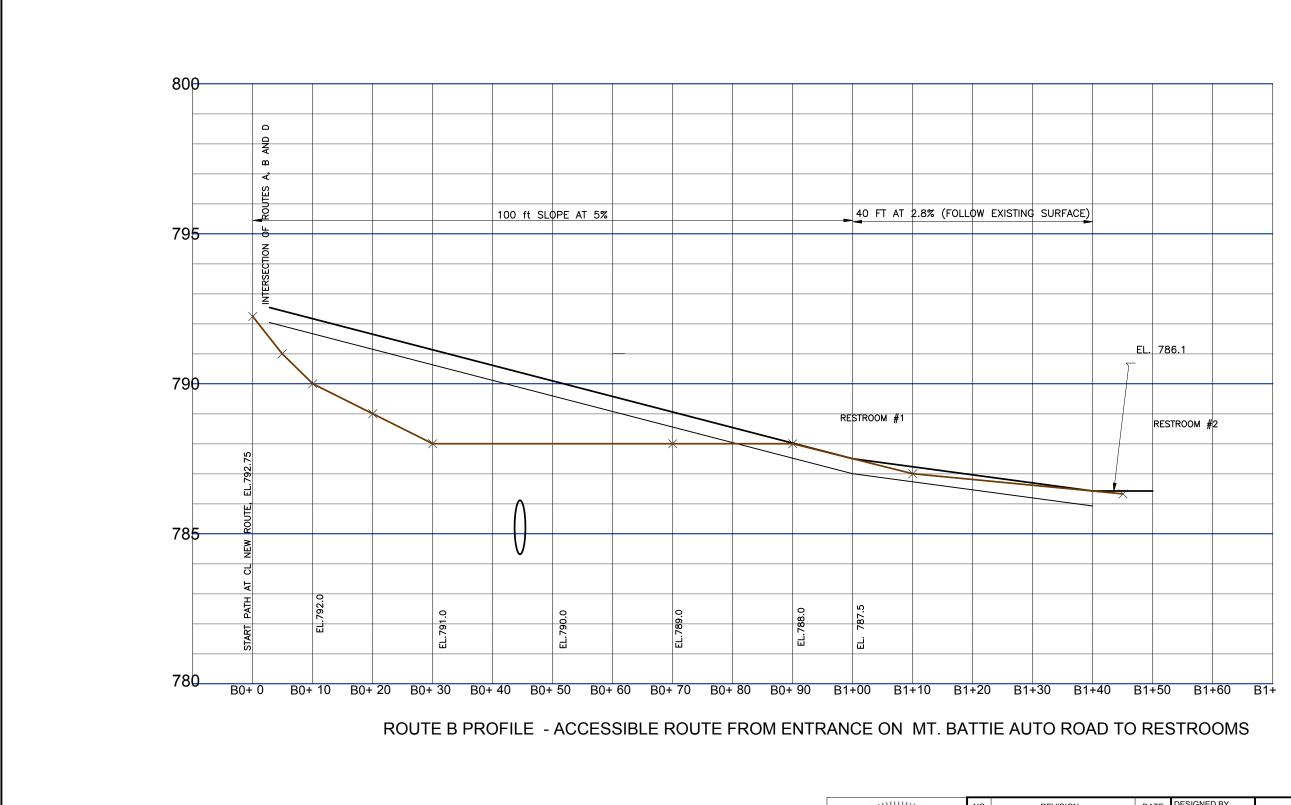




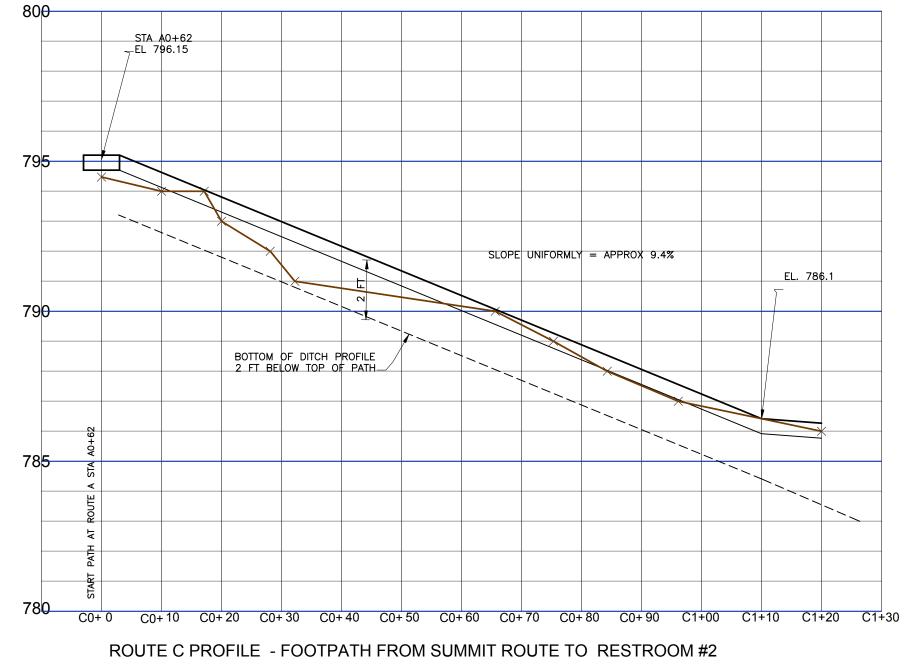






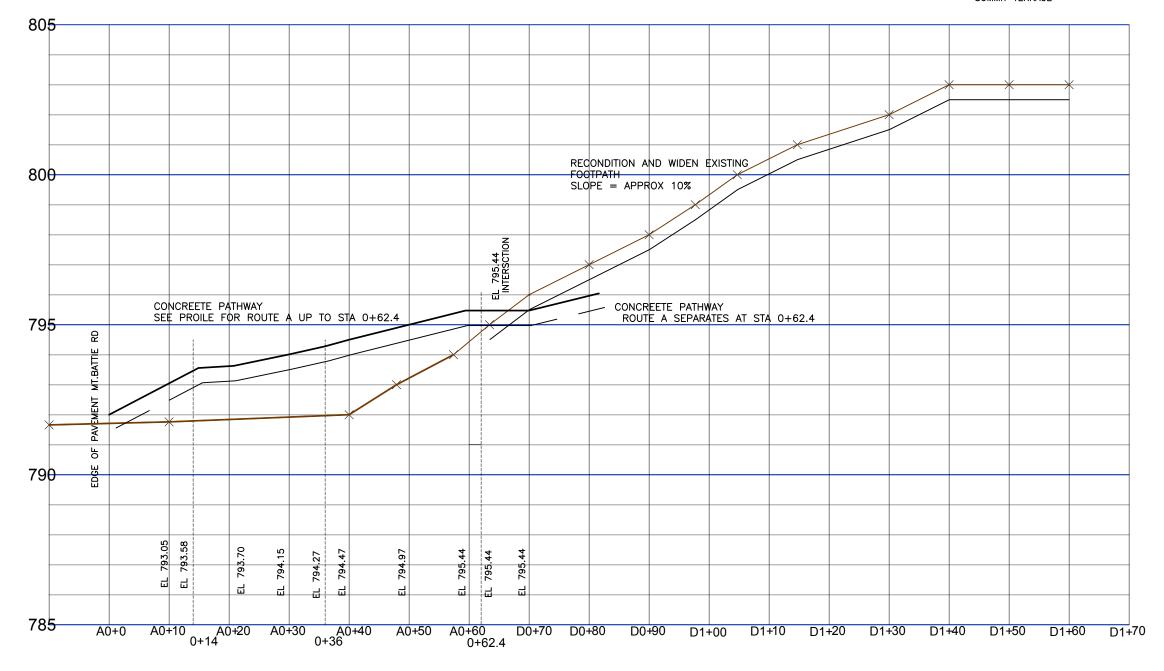


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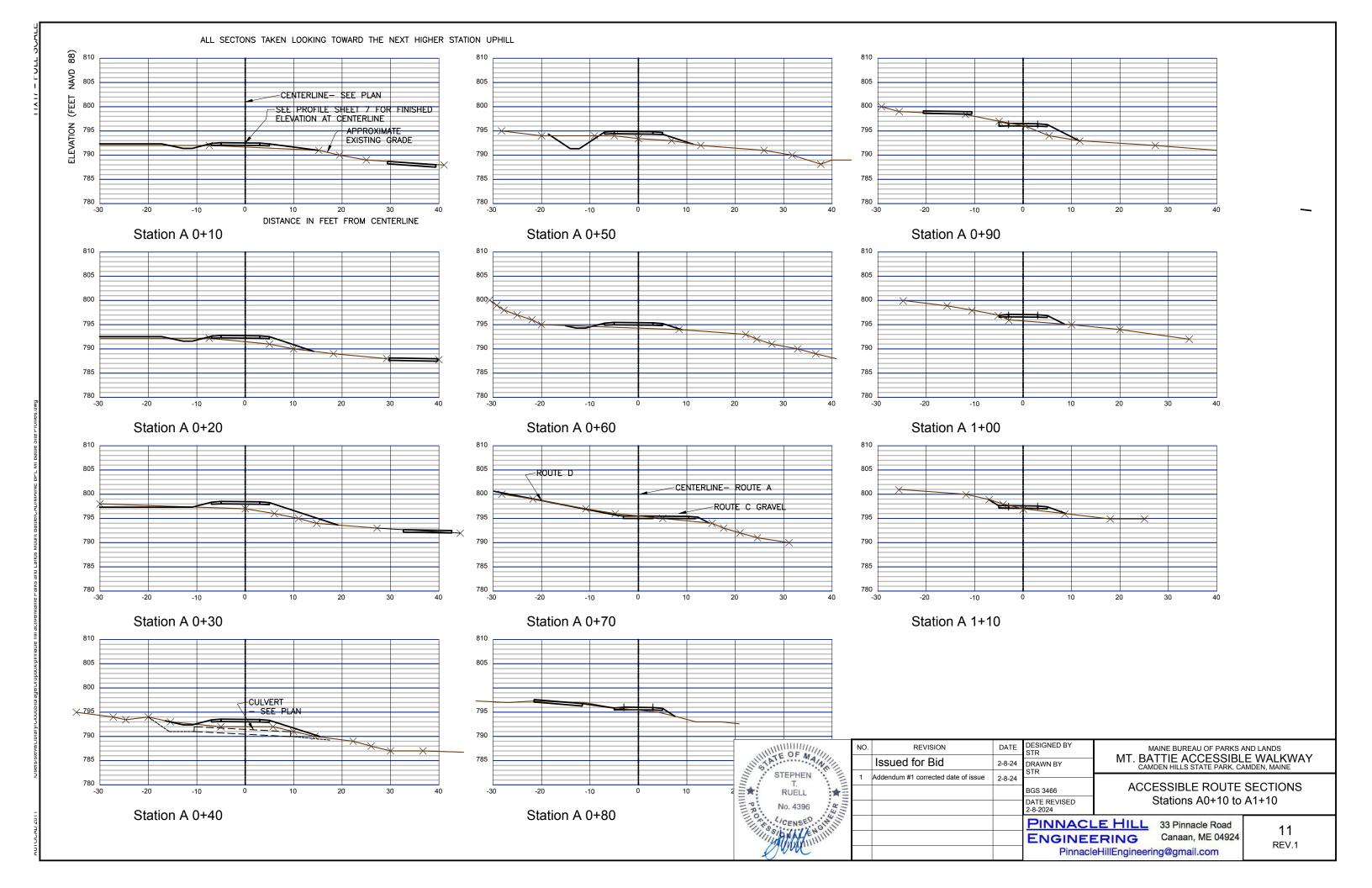
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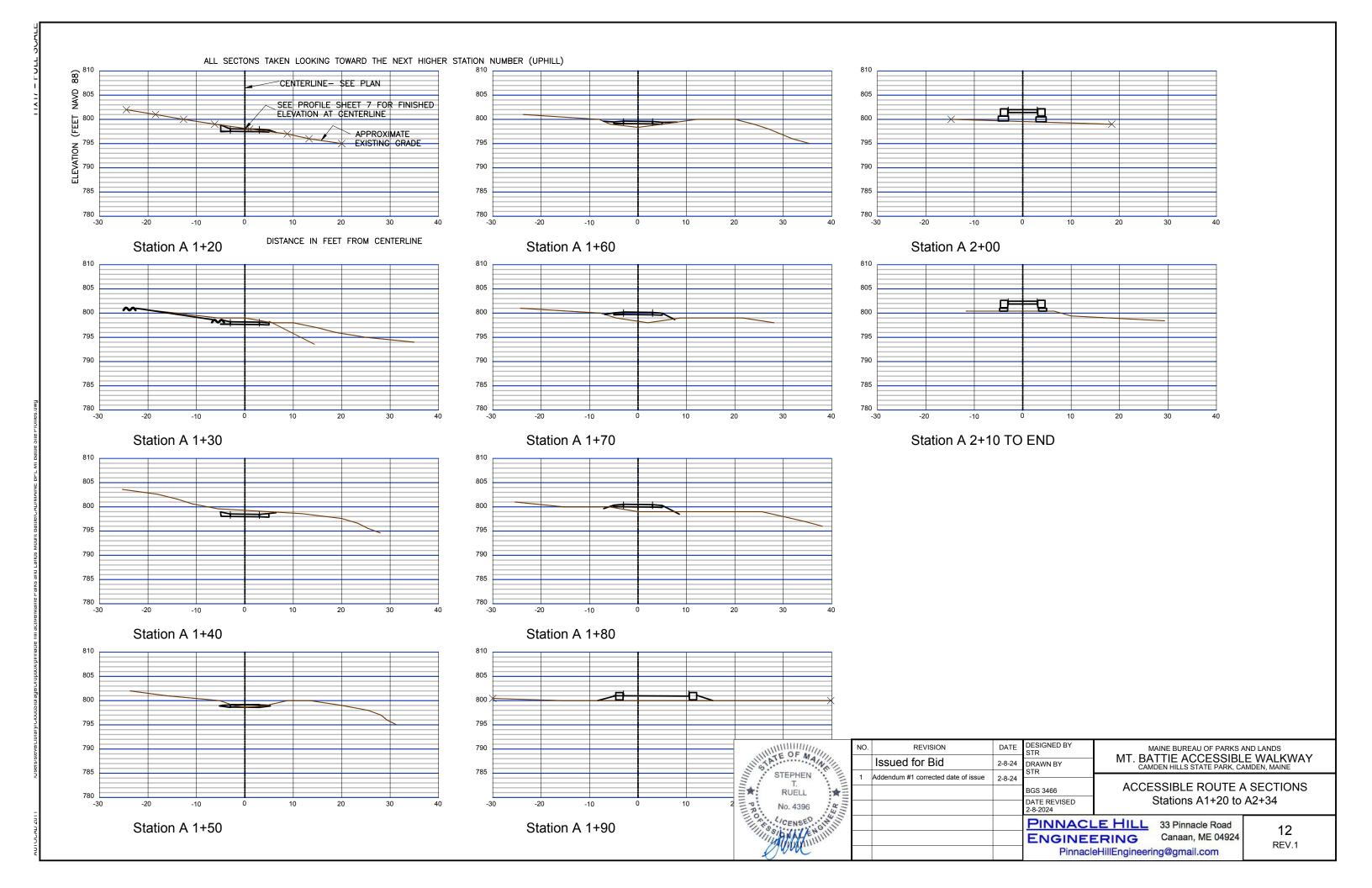


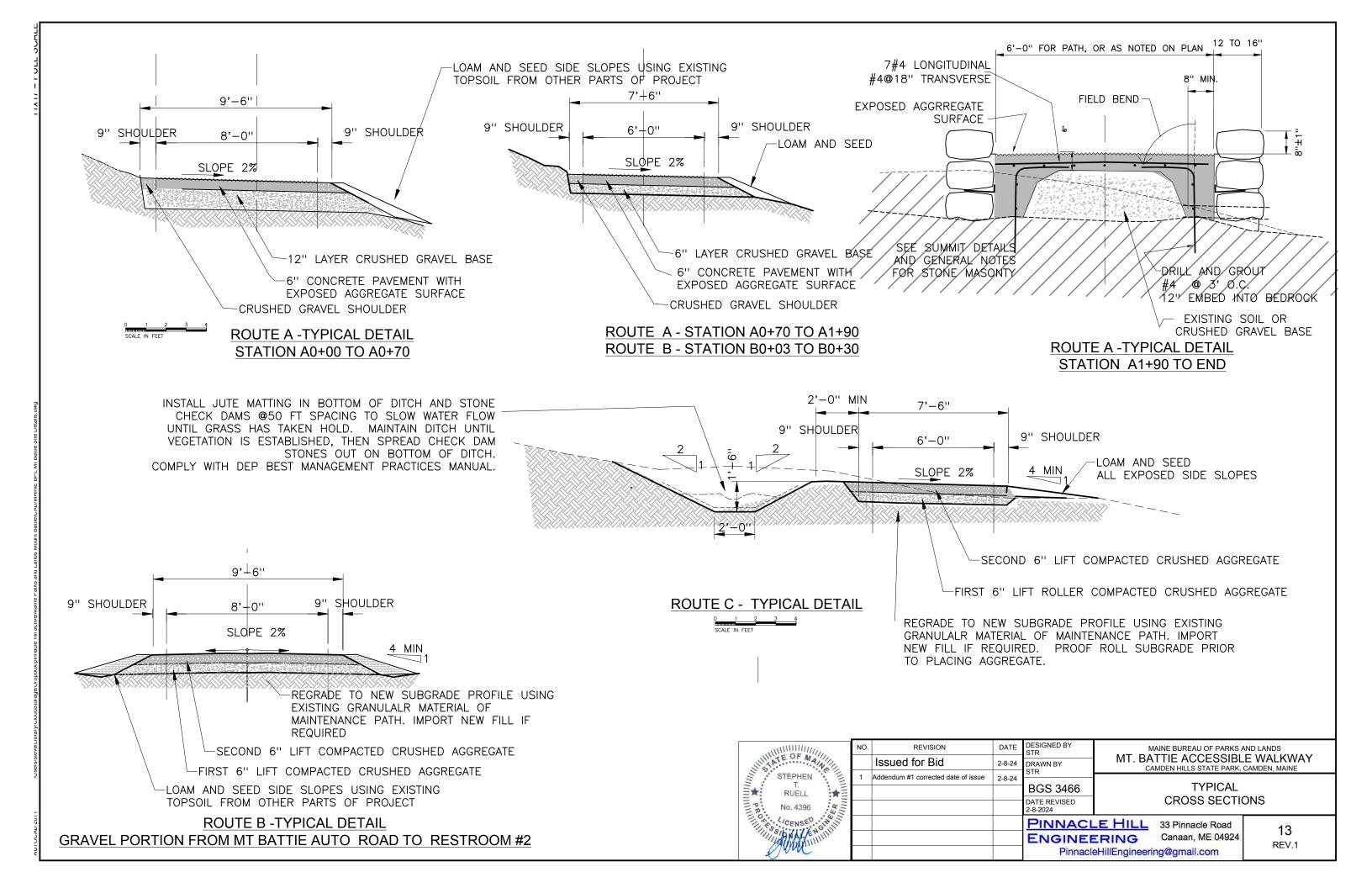


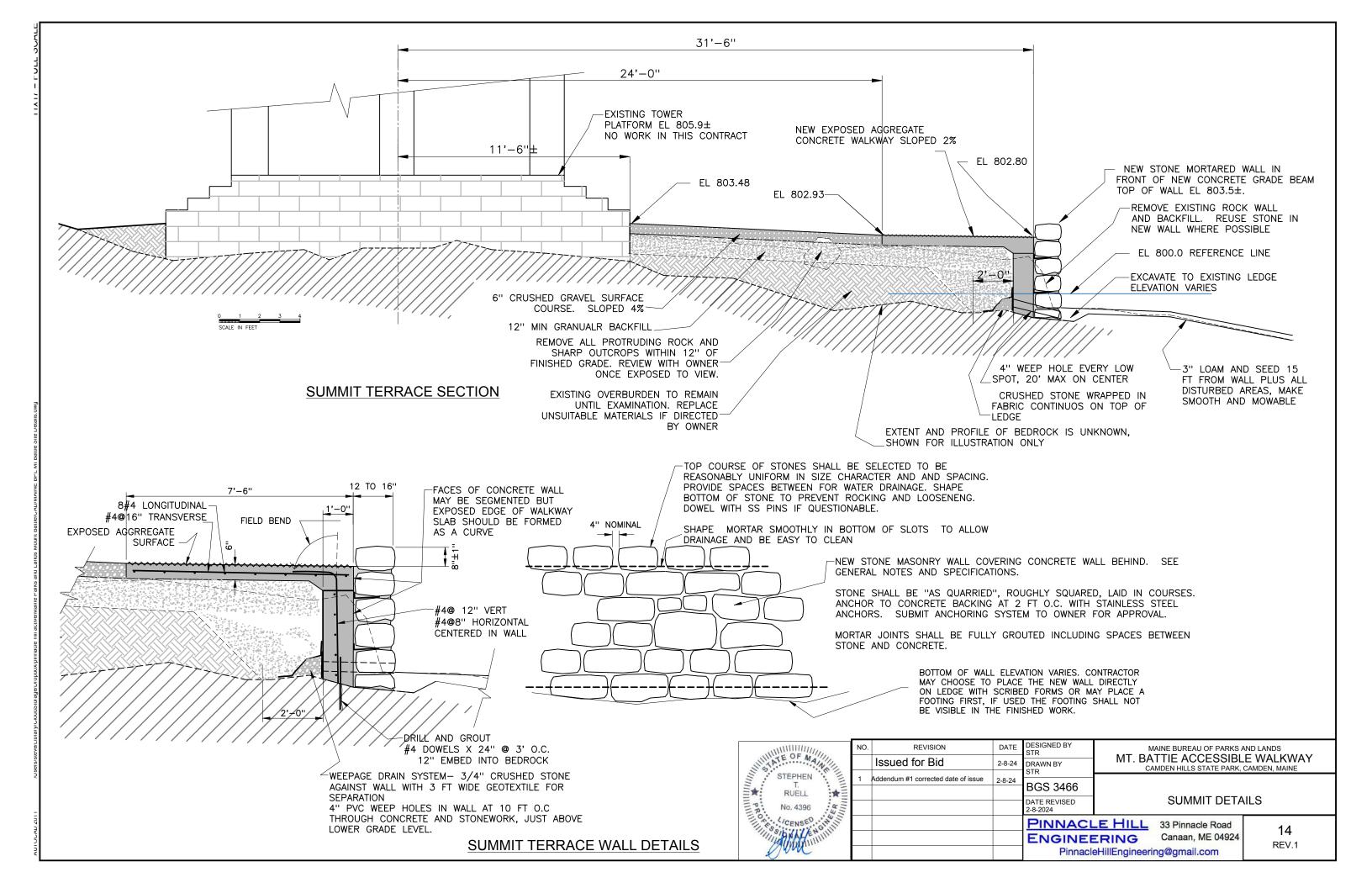
ROUTE D PROFILE - RELOCATED MAINTENANCE PATH ROUTE FROM MT. BATTIE AUTO ROAD TO SUMMIT

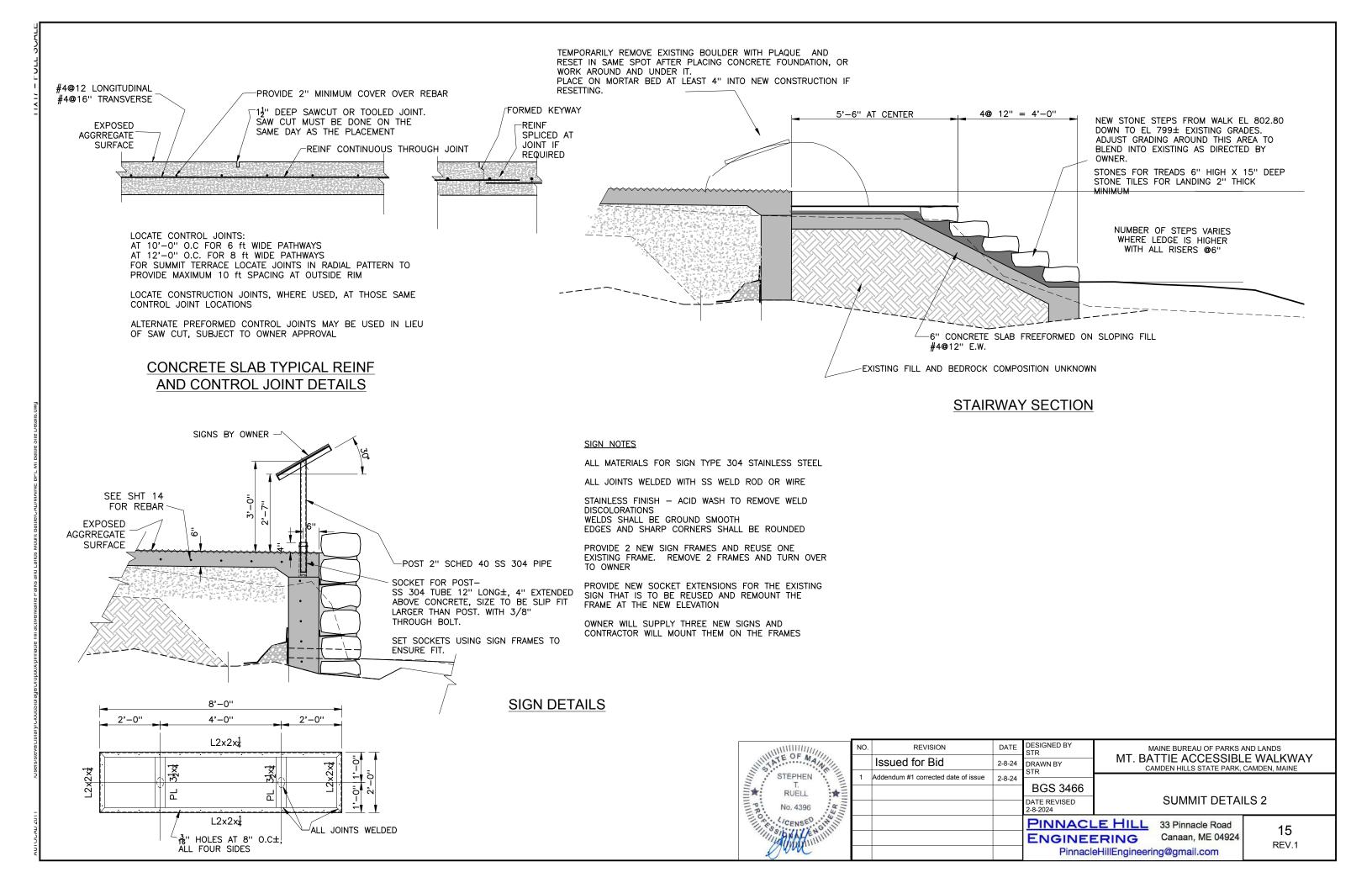
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SITEWORK NOTES

See Project Manual for specifications and project requirements.

I. EROSION CONTROL

Provide all required soil erosion provisions required to prevent sediment runoff. Install silt fence around project perimeter where sedimentation is likely, Comply with the requirements of the State of Maine Erosion Control Handbook, Best Management Practices (referred to as BMP)

II.EARTHWORK MATERIALS

- 1. Granular Borrow: naturally or artificially graded mixture of natural or crushed gravel, crushed stone, natural or crushed sand meeting Maine Department of Transportation (MDOT) standards Section 703.06, Type A.
- 2. Crushed Aggregate Surfacing Material for pathways:

Rock from a quarry shall be crushed and sieved to produce a graded material meeting the specification section 31 00 00, Table 1. Run of bank or natural gravel shall not be acceptable for this material.

Trial batches of the proposed material shall be made and installed on a test area, witnessed and approved by the Owner/Engineer. The trials shall be used to establish acceptability of the material, moisture needs, installation and compaction methods and equipment.

- 3.Crushed Stone for Drainage Clean crushed stone meeting MDOT Underdrain Type C
- 4. Common Borrow for fill Satisfactory soil materials free of clay, rock or gravel larger than 6" in any dimension, debris, waste, frozen materials, vegetable and other deleterious matter. Fill and moisture content must be suitable for compaction
- 5. After filling and excavating activities and when the subgrade is at the proper grade. Proof Roll subgrade surfaces in the presence of the Owner or Engineer. Any visual deflection in the surface shall be corrected by additional compaction or by removal of the unsatisfactory subgrade.

III. ASPHALT PAVEMENT

1. Paving and striping is in a separate contract by others.

IV. CONCRETE PAVEMENT

1. All Concrete pavement is to meet ADA traction and smoothness standards, provide a uniform non-slip surface and be placed in accordance with ADAAG requirements for an Accessible walking surface with a maximum slope of 5% (9/16" per ft.) in the direction of travel and a maximum transverse slope of 2% (1/4" per ft) measured perpendicular to the direction of travel. Surface shall have a minimum slope of approximately 1/4" per ft to provide drainage except where otherwise noted or directed.

All exterior concrete paved surfaces shall have the same exposed aggregate stone surface.

Concrete shall be 3500 psi concrete standard ready mix, air entrained, slump controlled and reinfprced, with sawn control joints See specifications.

The stone for exposed aggregates shall be washed crushed stone and screened to between 3/8" and 1/2" screen size, obtained from local sources and crushed and screened from a single quarry source to provide a uniform and attractive surface. Mixed source and run of bank material shall not be mixed with the chips. The stone is desired to be a mixture of gray and iron oxide colors that will blend into the top of Mt Battie ledge outcrops and with the existing stone tower. Stone from the D.L Overlock quarry, Rte. 90, Rockport ME is pre-approved. Any other source must be approved by the Owner or the bidder risks being denied use of that source, Samples must be provided and the process for product substitutions must be followed.

A sample slab(s) must be prepared prior to the project work to test the methods and results in the presence of the Owner and at least 2 weeks prior to beginning the actual summit placements. This test pavement shall be a minimum of 100 sq.ft placed at the Camden Hills State Park in a location selected by the Owner. The cost of the test pavement shall be included in the bid price. If not satisfactory per the Owner, additional test placements may be required.

Immediately after placing and screeding the slab and before the surface has dried or hardened the stone chips shall be spread over the surface and worked in to the concrete by hand, using a manner and method that produces a uniform surface. Once set up the surface shall be washed with flowing water and brushes to expose the aggregates.

Moist cure the slabs with an approved method for seven days. Traffic shall be prohibited after the chips are spread and have hardened and been cured at least 4 days.

V. STONE MASONRY

- 1. The sections and plans show the extent of stone masonry.
- 2. Masonry Contractor may reuse suitable existing stone from the existing masonry retaining wall of the summit terrace, but must be augmented with additional quarried stone. All added stone shall be obtained from a single local quarry source to provide a uniform and attractive surface. Mixed sources and run of bank or river stone material shall not be used.
- 3. The stone is desired to be a mixture of gray and iron oxide colors that will blend with the Mt Battie ledge outcrops and with the existing stone tower. The stone available from Rockport Granite's Swanville quarry, called "Oak Mountain Split Wallstone" has been pre-approved subject to submittal of samples. Other sources and suppliers shall be submitted for the approval of the Owner for color and texture.

- 3. The new quarry stone and the existing stone shall be mixed if both are to be used.
- 4. Stone surface finish shall be rough split with chipped rounded corners. Sawn stone faces shall not be used for the exposed faces. The desired appearance is to be compatible with the existing texture and surfaces of the Mt Battie stone tower. Mortar joints and mortar color should be consistent with the existing Mt Battie tower.

Stone shape is desired to be rough recatngular prismatic shapes of varying sizes laid in courses. Rounded and ellipsoid shapes may be used as accents.

5.A mockup sample of the wall stone and mortar proposed by the Contractor shall be prepared for the Owner's approval. The Owner is the final judge on acceptability.

VI. LOAM AND SEEDING

- 1. Comply with the requirements of the State of Maine Erosion Control Handbook, Best Management Practices.
- 2.Topsoil: Provide loam at a minimum depth of 3" in all areas shown or disturbed by the earthwork activities. Perform a soils test to determine pH, lime, and fertilizer requirements prior to adding lime or fertilizers.
- 3.Fertilizer: Apply per soils test or in lieu of soils test, or at the rate of 800 lbs/acre.
- 4.Lime: Apply pery soils test or in lieu of soils test, or at the rate of 3 tons/acre.
- 5. Seeding: Apply lawn quality seed at the rate of 3 lbs/ 1000 sq.ft or as appropriate for seed mixtures.
- 6.Mulch: Hay or Straw: two 90 lb bales per 1,000 sq ft.
- 7.Keep all areas watered and in good condition, reseeding if and when necessary until a good, healthy, uniform growth is established over the entire area. Maintain the seeded area in an approved condition until final acceptance of the Contract.
- 8.On slopes, provide against washouts by an approved Best Management Practice. Regrade and reseed any washout which occurs, until a stable sod is established.

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