GENERAL NOTES
1. All values with angle superscript shall remain unchanged. When required, reducers shall be provided where necessary.

2. In accordance with Section 15, all items shall be furnished to suit the structure.

3. The designer shall provide the drawings of the post and wall panel to suit the structure. The connections shall be designed to meet the requirements of the loading and the construction details of the structure.

4. The designer shall ensure that all drawings and specifications are complete and in accordance with the requirements of the contract documents.

5. All drawings shall be prepared in accordance with the standards of the American Society for Testing and Materials (ASTM) and the American Standards for Testing and Materials (AASHTO).

6. The designer shall ensure that all materials are supplied in accordance with the specifications and the contract documents.

7. All calculations shall be performed in accordance with the procedures outlined in the contract documents.

8. The designer shall ensure that all work is performed in accordance with the safety regulations and the rules and regulations of the local authorities.

9. All work shall be performed in accordance with the provisions of the contract documents.

10. Clear cover for reinforcement shall be a minimum of 2".

DESIGN CRITERIA
1. The sound abatement wall detailed on these plans has been designed in accordance with Section 534. All costs subsidiary to item 594.2.

2. See Section 594 Special Provision for additional soundwall information.

3. The angle between the precast concrete post and wall panel shall not exceed 10 degrees.

4. Vertical reinforcement for the posts shall have the last 4 inches of the vertical post reinforcement threaded.

5. Vertical reinforcement shall be designed to suit the structure.

6. For summary of soundwall quantities see soundwall sheet 3 of 3.

7. For layout of soundwall, including post/ shaft numbers, coordinates and wall layout details such as elevation, section, and plan views, see plan sheets included elsewhere in this contract.

8. The top of wall elevations noted in the soundwall noise study may require adjustment to maintain the 8" max. elevation change from the post to the next wall. The top of wall elevations), see plan sheets included elsewhere in this contract.

9. Coat all surfaces of the precast concrete posts and leveling panels and install any required materials in accordance with Section 550.

10. Concrete or steel posts, leveling panels, steel base plates, anchor rods, welded wire fabric for the leveling panels shall be black steel and conform to ASTM A525.

11. Epoxy coated in accordance with Section 544.

12. All reinforcing steel shall conform to AASHTO M 31, Grade 60. Vertical reinforcement for the posts shall have the last 4 inches of the vertical post reinforcement threaded.

13. Class AA concrete unless noted otherwise.

14. Concrete for the posts and leveling panels shall have a minimum 28 day compressive strength of 3000 psi.

15. Maximum post spacing = 12' 9".

16. Maximum post height = 25' 0".


18. Maximum allowable distance from the top of wall to top of post shall be 8".

19. In the case where the top of wall elevation varies on both sides of a post the maximum allowable distance from the top of wall to top of post shall be 4".

20. Maximum allowable distance from the top of wall to top of post shall be 8".

21. Clear cover for reinforcement shall be a minimum of 2".

MATERIALS:
- Anchor rods shall be galvanized and conform to AASHTO M 31, Grade 60.
- Washers shall be hardened steel and conform to AASHTO M 291.
- Nails shall be stainless steel common nails conforming to ASTM F1667.
- Screws shall be stainless steel and conform to AASHTO M 293.
- Epoxy coated in accordance with Section 544.
- All reinforcing steel shall conform to AASHTO M 31, Grade 60.
- Vertical reinforcement for the posts shall have the last 4 inches of the vertical post reinforcement threaded.
- Class AA concrete unless noted otherwise.

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION / BRIDGE DESIGN

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WIND LOAD FACTOR:
- V = 123 MPH (AASHTO FIG. 3.8.1.1.2-1)
- W = 1.0 (FACTORED)
- C = 1.2
- G = 0.85

GROUND SURFACE ROUGHNESS CATEGORY:
- R = 0.5

SOUND ABATEMENT WALL DETAILED ON THESE PLANS HAS BEEN DESIGNED IN ACCORDANCE WITH SECTION 534.

APPLICATION:
- Item 594.2, wood panel soundwall shall include all lumber, precast concrete elements, anchor rods, welded wire fabric for the leveling panels, and all necessary hardware for construction.

QUALITY:
- All materials shall be furnished in accordance with the contract documents.

SPECIFICATIONS:
- Special provisions shall be made for additional soundwall information.

CHECKED:
- DGN Locator: Sound2
- Sheet Scale: 1" = 1'-0"