



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0016

Janet T. Mills
GOVERNOR

Bruce A. Van Note
COMMISSIONER

December 19, 2024
Subject: Meadowbrook
Bridge Replacement
State WIN: 026442.00
Location: **Vassalboro**
Amendment No. 1

Dear Sir/Ms.:

Make the following changes to the plan sheet:

Remove sheet thirteen BOX CULVERT DETAILS (2 of 2) dated 11/20/2024 and Replace with the attached BOX CULVERT DETAILS (2 of 2) dated 12/16/2024

The following questions have been received:

Question: This project involves the removal of the existing bridge and the setting of a "Concrete Box Culvert", which McGee Construction has completed in the past for MaineDOT. The Notice to Contractors states that the project is for those prequalified as Bridge Construction, or must complete project specific qualification. McGee Construction is prequalified as Highway Construction, but we have completed numerous Box Culverts. Can the status of the project be changed to either Bridge, or Highway?

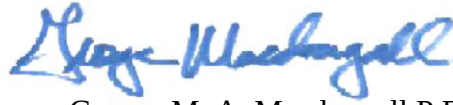
Response: The prequalification status for Bridge or Highway construction is acceptable for this project.

Question: Are there any plan views and section views of the Dry Hydrant that is being installed? It is very difficult to figure an installation price without knowing the length, depth and details for both ends of the Dry Hydrant.

Response: The location will be determined by the Vassalboro Fire Department and the Project Resident after contract award. A price of \$5,000 has been estimated and will be included in the schedule of items. The actual cost will be determined after contract award per Section 109.7 – Equitable Adjustments to Compensation and Time..

Consider these changes and information prior to submitting your bid on **January 8, 2025.**

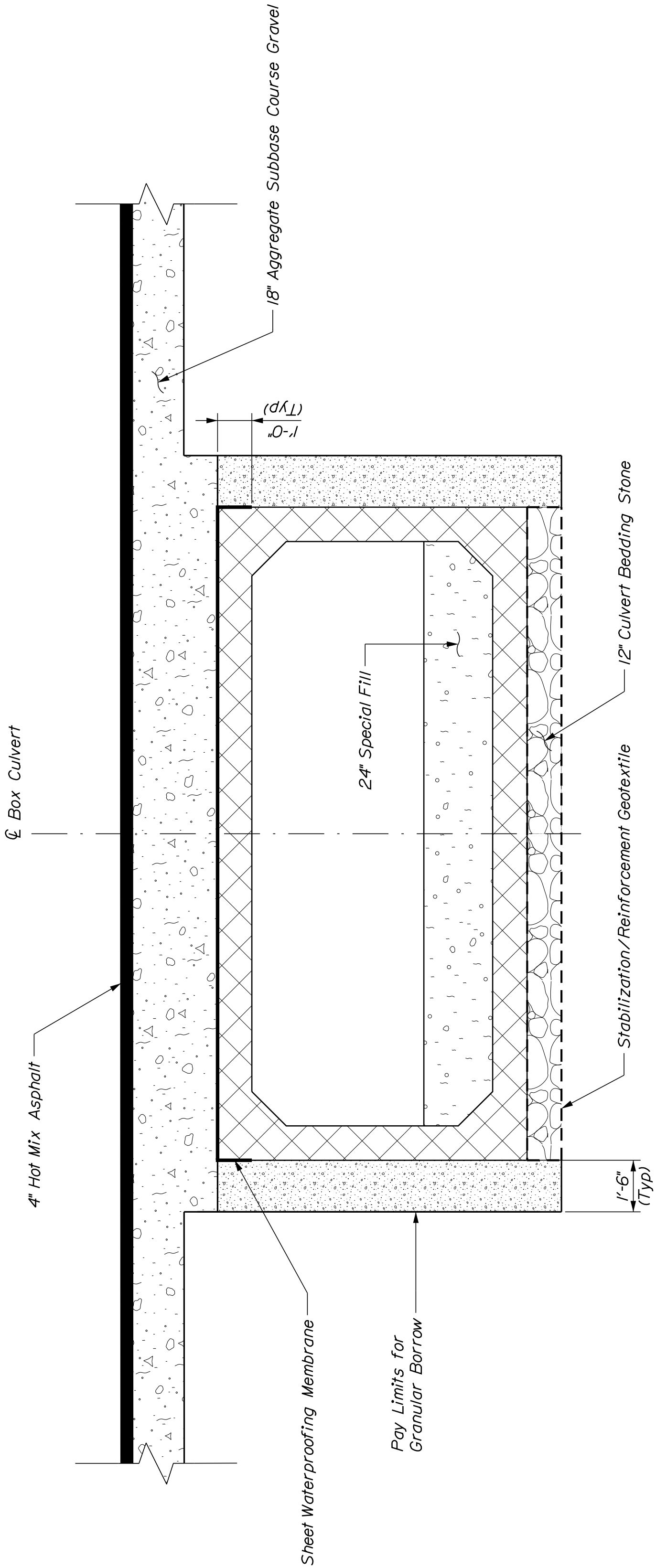
Sincerely,



George M. A. Macdougall P.E.
Contracts & Specifications Engineer

MEADOW BROOK BRIDGE		MEADOW BROOK		VASSALBORO		BOX CULVERT DETAILS (2 OF 2)	
DESIGN-DETAILS R. NAUUS MMP		CHECKED-REVIEWED DESIGN-2-DETAILS DESIGN-3-DETAILS		REVISED-1 REVISED-2 REVISED-3 REVISED-4		FIELD CHANGES	
DATE		SIGNATURE		P.E. NUMBER		DATE	
PROJ. MANAGER/CLERK LIBBY, JR.							
BY							
DATE							
11/2024							
STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		2644200		WIN	
BRIDGE NO. 5856		26442.00		BRIDGE PLANS			

SHEET NUMBER
13
OF 16

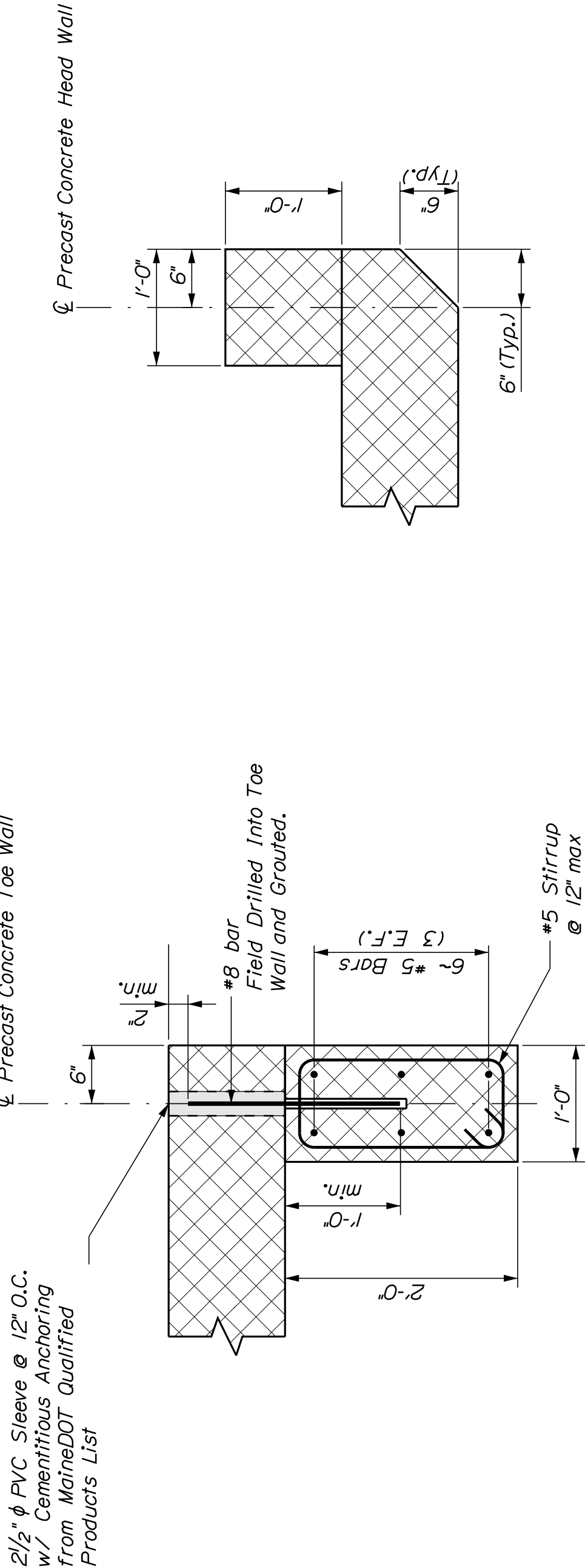


PROPOSED BOX SECTION

17'-0" Span x 7'-0" Rise

PRECAST CONCRETE BOX NOTES

1. The precast units shall be designed to carry construction loadings with a minimum fill cover of 18 inches over the top of the units.
2. The construction, handling, and assembly of the precast units shall be in accordance with Standard Specification Section 534, Precast Structural Concrete, and with the manufacturer's specifications as applicable.
3. Install standard membrane waterproofing over the top and to 12 inches down the exterior sides of the precast units.
4. In accordance with Standard Specification Subsection 534.04, Precast Structural Concrete, the Contractor shall submit design calculations for the precast structure to the Department for Review. The calculations shall demonstrate that the factored bearing pressures at the Strength Limit and Service Limit States do not exceed the factored geotechnical bearing resistances provided in the project geotechnical design report.
5. The Contractor shall maintain the excavation so that the box culvert and crushed stone bedding layer are installed in-the-dry. Groundwater should be controlled by pumping from sumps or other dewatering systems selected by the Contractor. Cofferdams may be required to divert flow away from the excavation during construction. Where excavation sides are cut back, excavation slope geometries shall be in accordance with OSHA regulations, or flatter.
6. The native soil subgrade shall be excavated using a smooth-edged bucket to avoid disturbance of the subgrade. The Contractor shall not operate heavy equipment over the excavated subgrade to minimize subgrade disturbance. Limit vibration-induced disturbance to the saturated, sandy subgrade if the subgrade is disturbed or weakened. The Contractor shall excavate the disturbed material and replace with compacted Granular Borrow - Material for Underwater Backfill, to the subgrade level at the Contractor's expense.
7. The Stabilization/reinforcement Geotextile shall be hand-deployed onto the prepared native soil subgrade prior to installing the crushed stone marl. Adjoining sections of the geotextile shall be overlapped by a minimum of 2 feet. The crushed stone shall be placed in maximum 6-inch-thick lifts and each lift compacted with several passes of a walk-behind roller or large plate compactor.



PRECAST CONCRETE TOE WALL DETAIL

PRECAST CONCRETE HEADWALL DETAIL