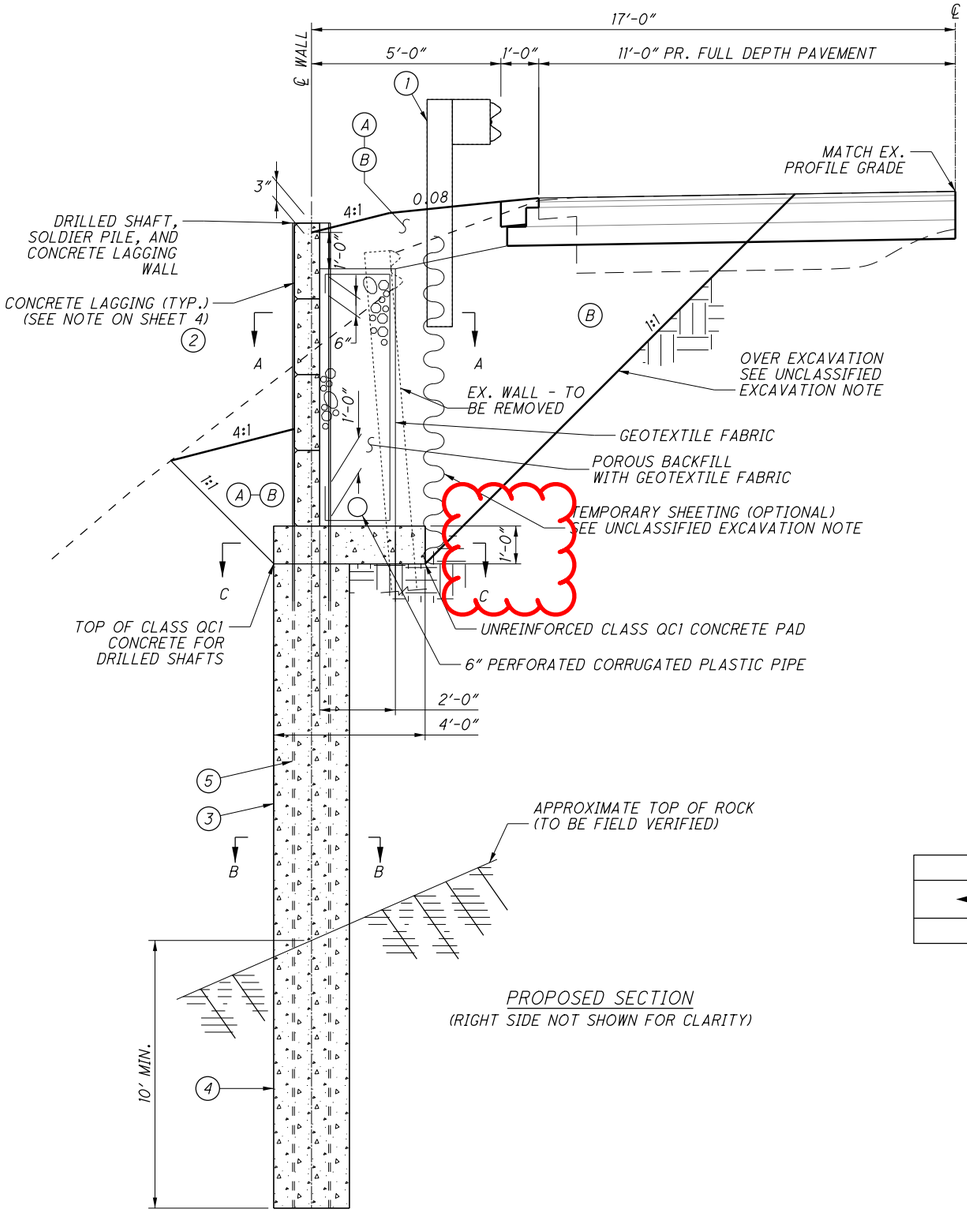
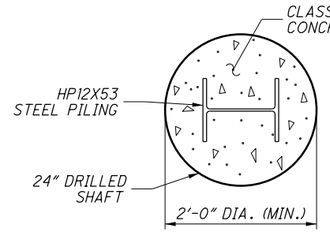
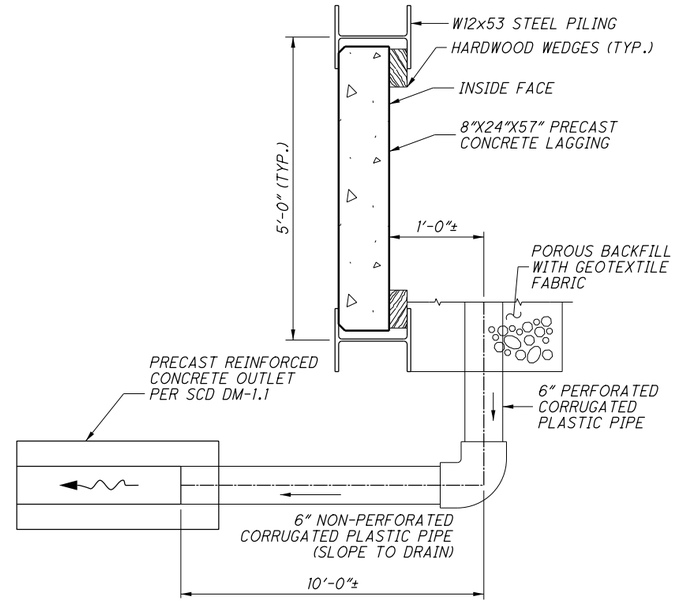


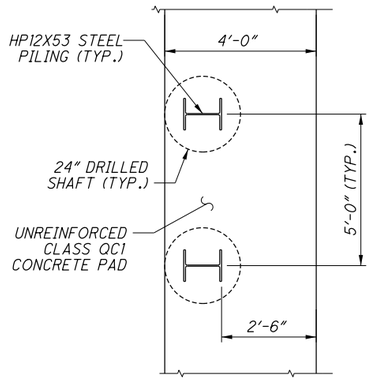
PROPOSED SECTION
(RIGHT SIDE NOT SHOWN FOR CLARITY)



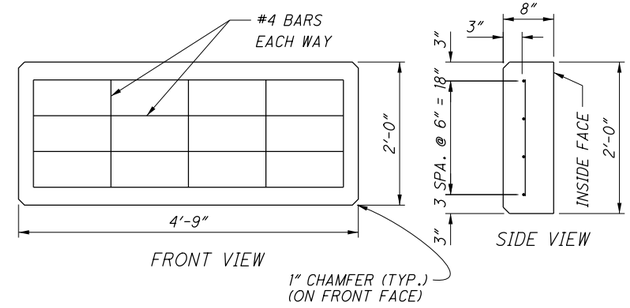
SEC. B-B



SEC. A-A



SEC. C-C



57" PRECAST CONCRETE LAGGING DETAIL

NOTES:

1. CONCRETE LAGGING SHALL BE 4 PANELS HIGH WITH AT LEAST ONE (1) PANEL BURIED BELOW GRADE.
2. DESIGN SPECIFICATIONS:
   THIS STRUCTURE CONFORMS TO THE 9TH EDITION OF THE "LRFD BRIDGE DESIGN SPECIFICATIONS" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2020 AND THE ODOT BRIDGE DESIGN MANUAL, 2020.
3. DESIGN DATA:
   CONCRETE CLASS QC1 - COMPRESSIVE STRENGTH 4000 PSI (DRILLED SHAFT)
   STRUCTURAL STEEL - A572 GRADE 50 - YIELD STRENGTH 50,000 PSI
4. THE TOP OF THE PROPOSED RETAINING WALL SHALL BE 10"± BELOW THE EXISTING PROFILE GRADE.

ASSET INFORMATION

EXISTING RETAINING WALL
TYPE: PIPE PILE WALL
RWFN: 1011454

PROPOSED RETAINING WALL
TYPE: DRILLED SHAFT, SOLDIER PILE AND CONCRETE LAGGING
RWFN: 1014053

LEGEND

(1) ITEM 606, GUARDRAIL, TYPE MGS HALF POST SPACING

(2) ITEM 530 - SPECIAL - RETAINING WALL, PRECAST CONCRETE LAGGING

(3) ITEM 524, DRILLED SHAFTS, 24" DIAMETER, ABOVE BEDROCK, AS PER PLAN

(4) ITEM 524, DRILLED SHAFTS, 24" DIAMETER, INTO BEDROCK, AS PER PLAN

(5) ITEM 507, STEEL PILES HP12X53, FURNISHED

(A) ITEM 203, EMBANKMENT
AVERAGE END AREA = 12.9 SQ. FT.
12.9 SQ. FT. x 325' ÷ 27 = 156 CU. YD.

(B) ITEM 503, UNCLASSIFIED EXCAVATION, AS PER PLAN
AVERAGE END AREA = 67.8 SQ. FT.
67.8 SQ. FT. x 325' ÷ 27 = 817 CU. YD.

GRANULAR EMBANKMENT (FOR INFORMATION ONLY)
QUANTITY CARRIED TO UNCLASSIFIED EXCAVATION, AS PER PLAN NOTE ON SHEET 4.
AVERAGE END AREA = 37.4 SQ. FT.
37.4 SQ. FT. x 325' ÷ 27 = 451 CU. YD.

FOR QUANTITIES, SEE SHEET NO. 8.
FOR TYPICAL SECTION DETAILS, SEE SHEET NO. 2.
QUANTITIES FOR (A) AND (B) CARRIED TO THE GENERAL SUMMARY.

CALCULATED CCN CHECKED JPB

WALL DETAILS

JEF-164-8.80

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