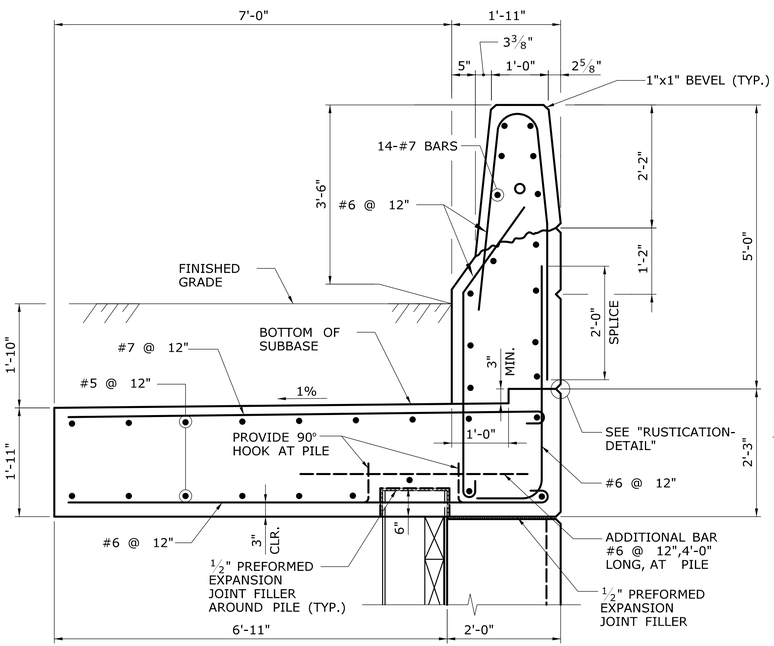
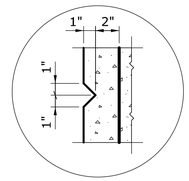


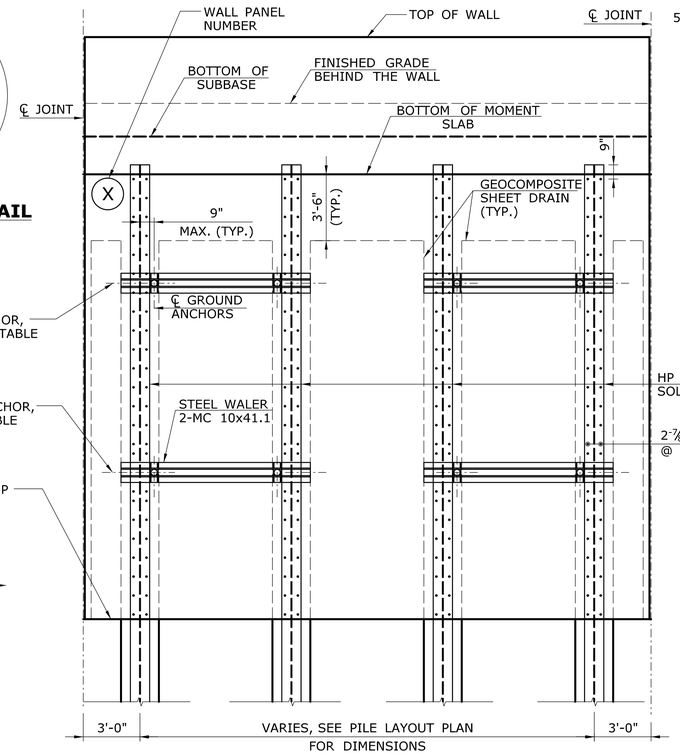
MOMENT SLAB DETAIL

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



RUSTICATION DETAIL

N.T.S



TIMBER LAGGING NOT SHOWN FOR CLARITY.

TYPICAL ELEVATION VIEW

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

SOLDIER PILE AND STRUCTURAL STEEL NOTES

1. ALL COSTS ASSOCIATED WITH FURNISHING, ERECTING, PLUMBING, AND BRACING THE SOLDIER PILES SHALL BE PAID FOR UNDER THE ITEM "FURNISHING STEEL PILES".
2. DOUBLE-CHANNEL WALERS, STIFFENERS, ANCHOR BASE PLATES, CHANNELS, AND EXTENSION PLATES FOR WALER SUPPORT BRACKETS SHALL BE PAID FOR UNDER THE ITEM "STRUCTURAL STEEL".
3. SOLDIER PILES AND ALL STRUCTURAL STEEL ASSOCIATED WITH WALL CONSTRUCTION SHALL CONFORM TO AASHTO M270, GRADE 50.
4. SOLDIER PILES AND WALER SUPPORT BRACKETS SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A123. ~~AFTER WELDED STUDS AND WALER SUPPORT BRACKETS ARE INSTALLED.~~ 1
5. REPAIR DAMAGED GALVANIZATION IN FIELD WITH ZINC-RICH PAINT CONFORMING TO TT-P-641, TYPE 1 TO A DRY THICKNESS OF 3 TO 6 MILS. NO PAYMENT SHALL BE MADE FOR REPAIRING DAMAGED GALVANIZATION.

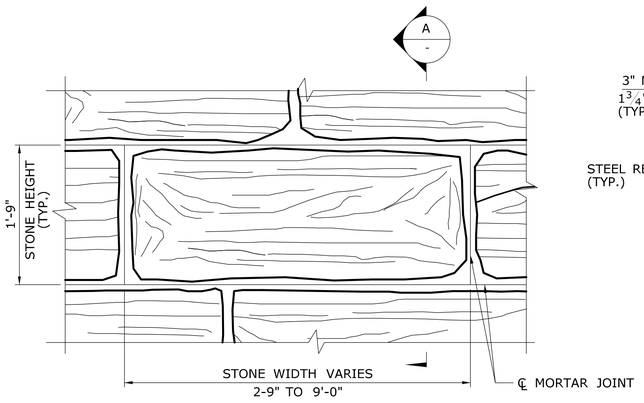
GROUND ANCHOR NOTES:

1. CLASS I CORROSION PROTECTION SHALL BE PROVIDED FOR ALL GROUND ANCHORS. WORKING DRAWINGS OF THE FINAL DETAILS OF THE CLASS I CORROSION PROTECTION SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. SEE "RETAINING WALL 104 / WALL DETAILS - 3" FOR SUGGESTED DETAILS.
2. ANCHOR DETAILS (I.E. BAR DIAMETER, STRESSING LENGTH, BOND LENGTH, HOLE DIAMETER, ETC.) SHALL BE DESIGNED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL. THE MINIMUM BONDED LENGTH SHALL BE 25 FEET. ALL COSTS SHALL BE INCLUDED IN THE ITEM "GROUND ANCHOR". SEE SPECIAL PROVISION.
3. THE GROUND ANCHOR DESIGN LOAD FOR LIMIT STATE STR-I IS 175 KIPS AND FOR LIMIT STATE SER-I IS 122 KIPS.
4. A "PERFORMANCE TEST FOR GROUND ANCHOR" SHALL BE PERFORMED ON THE FIRST THREE PRODUCTION ANCHORS AND ON A MINIMUM OF TEN PERCENT OF THE REMAINING PRODUCTION ANCHORS THEREAFTER, AS DIRECTED BY THE ENGINEER. A "PROOF TEST FOR GROUND ANCHOR" SHALL BE PERFORMED ON ALL ANHCORS THAT ARE NOT PERFORMANCE TESTED.
5. ALL GROUND ANCHORS SHALL BE INSTALLED AND SUCESSFULLY TESTED PRIOR TO CASTING CONCRETE FACE.

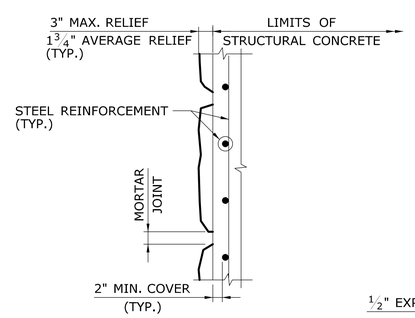
GROUND ANCHOR TABLE

PANEL NO.	℄ TOP GROUND ANCHOR ELEVATION	℄ BOTTOM GROUND ANCHOR ELEVATION
1	27	19
2	25.5	17.5
3	23.5	15.5
4	21.25	13.25
5	19.50	N/A
6	17.25	N/A
7	16.25	N/A
8	15.50	N/A
9	N/A	N/A
10	N/A	N/A
11	N/A	N/A
12	N/A	N/A

NOTE: GROUND ANCHORS SHALL NOT BE TENSIONED UNTIL THE WALL IS BACKFILLED TO 2'-0" ABOVE THE ELEVATION SHOWN IN THE TABLE.



ELEVATION



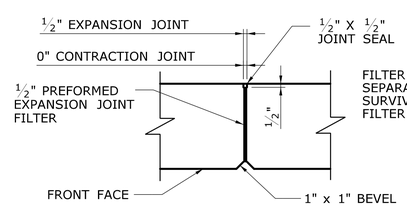
SECTION A-A

SIMULATED STONE MASONRY DETAIL

NTS

NOTES:

1. REFER TO OTHER STRUCTURE DETAILS FOR REINFORCING, DIMENSIONS. ETC.
2. WHERE SHOWN ON THE PLANS, THE CONTRACTOR SHALL UTILIZE CONCRETE FORM LINERS TO SIMULATE STONE MASONRY CONSTRUCTION. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE FOR "SIMULATED STONE MASONRY".
3. CONCRETE FORM LINERS SHALL CONFIRM TO THE REQUIREMENTS OF "SIMULATED STONE MASONRY".
4. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR APPROVAL LAYOUT DRAWINGS OF ALL FORM LINERS SHOWING STONE SIZES, STONE CONFIGURATIONS, JOINT SPACING AND ALL DIMENSIONS REQUIRED.
5. IN ADDITION TO THE DETAILS , ALL EXPOSED EDGES SHALL RECEIVE A 1" X 1" BEVEL UNLESS DIMENSIONED OTHERWISE.
6. THE ARCHITECTURAL LINERS SHOWN ARE BASED ON FORM LINERS MANUFACTURED BY CUSTOM ROCK FORMLINER. THE STONE PATTERN IS BASED ON CUSTOM ROCK FORMLINER PATTERN NO. 1502, "ARCH STREET BRIDGE LIMESTONE."

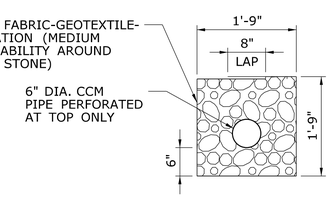


VERTICAL STEM JOINT DETAIL

N.T.S.

NOTES:

1. NO REINFORCEMENT SHALL PASS THROUGH EXPANSION OR CONTRACTION JOINTS. REINFORCEMENTS SHALL PASS THROUGH CONSTRUCTION JOINTS.
2. JOINT SEAL FOR CONCRETE FASCIA WALL JOINT SHALL EXTEND FROM TOP TO BOTTOM OF THE WALL.



STRUCTURE UNDERDRAIN DETAIL

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

NOTES:

THE COST OF THE FILTER FABRIC,FLITER STONE AND 6" DIA. CCM PIPE TO BE PAID UNDER THE ITEM 6" STRUCTURE UNDERDRAIN.

DESIGNED BY:

GM2 ASSOCIATES, INC.
115 GLASTONBURY BLVD.
GLASTONBURY, CT 06033

Madan M Gupta
2015.09.11
14:24:16-04'00'

ADDENDUM NO. 2

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
1	9/11/15	ADDENDUM NO. 2	-

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 9/11/2015

DESIGNER/DRAFTER: SD
CHECKED BY: VLL
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\SB_MSH_135-301_RW104_DET-02_A02.dgn

SIGNATURE/BLOCK:

GM2 ASSOCIATES, INC.
115 GLASTONBURY BLVD.
GLASTONBURY, CT 06033

PROJECT TITLE:
REPLACEMENT OF MNRR BRIDGE OVER ATLANTIC STREET - PHASE 1 I-95 NB EXIT 8 RAMP BRIDGE

TOWN: **STAMFORD**

DRAWING TITLE: **RETAINING WALL 104 WALL DETAILS - 2**

PROJECT NO. **135-326**
DRAWING NO. **RW-06**
SHEET NO. **09.006.A2**

Connecticut Department of Transportation
QA/QC Format Check