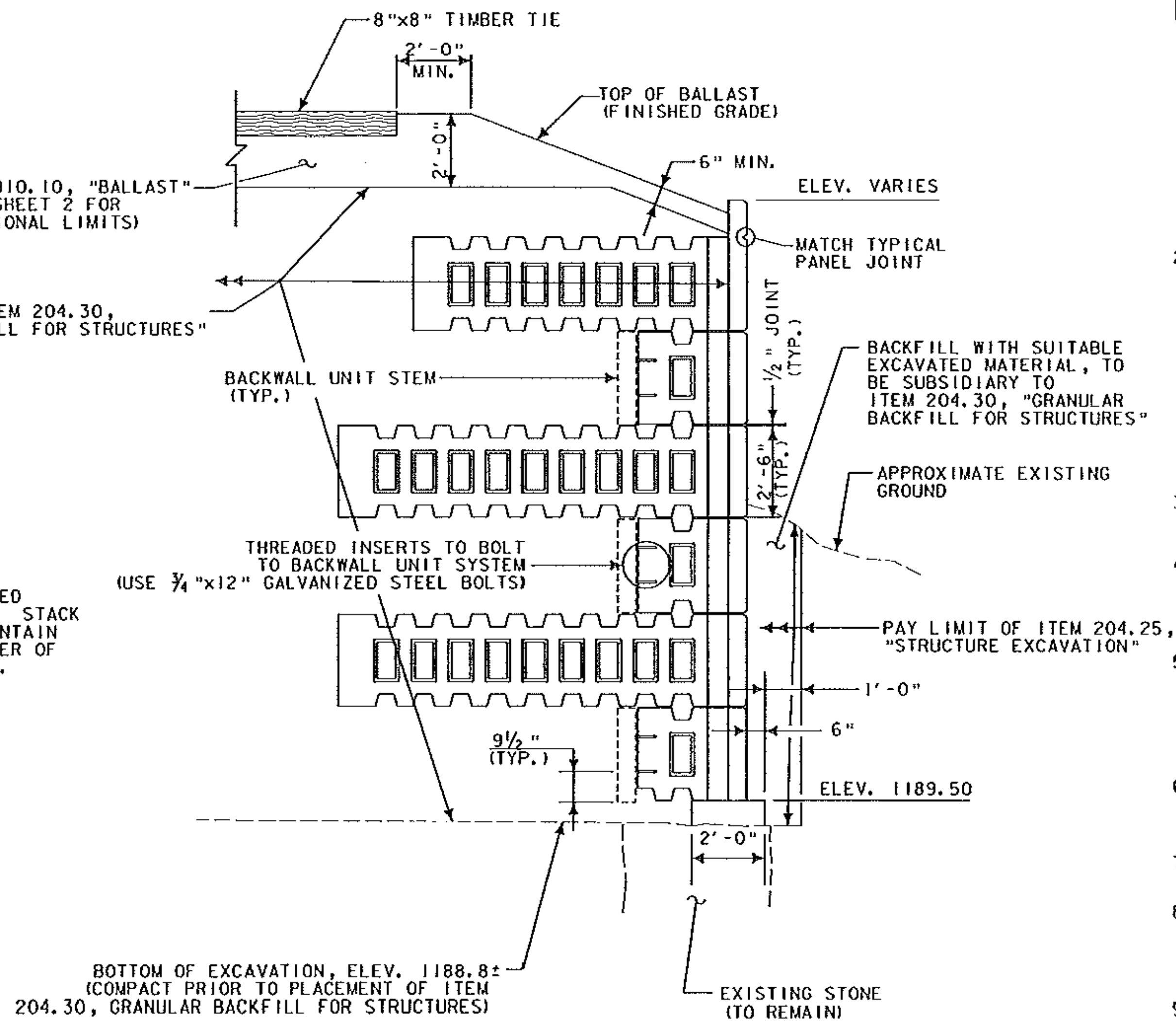


**EXISTING BACKWALL ELEVATION**  
SCALE: 1/4" = 1'-0"



**SECTION A-A**

SCALE: 3/8" = 1'-0"

**SUGGESTED CONSTRUCTION SEQUENCE**  
(FOR INFORMATIONAL PURPOSES ONLY)

**THE TRACK WILL BE IN SERVICE**

1. PARTIALLY MOBILIZE EQUIPMENT AND SUPPLIES, AS PRACTICABLE.
2. INSTALL TEMPORARY EROSION CONTROL MEASURES.

**THE TRACK WILL BE TAKEN OUT OF SERVICE (THURSDAY AT 2:00 P.M.)**

3. COMPLETE MOBILIZATION.
4. REMOVE NECESSARY RAIL AND TIES, STOCKPILE RAIL FOR LATER INSTALLATION.
5. EXCAVATE AND REMOVE STONE BACKWALL AND RETAINING WALLS.
6. CONSTRUCT CONCRETE LEVELING PAD.
7. PREPARE SUBGRADE FOR FIRST COURSE OF T-WALL UNITS.
8. CONSTRUCT FIRST COURSE OF T-WALL UNITS.
9. COMPLETE PLACEMENT OF T-WALL COURSES WHILE COMPACTING BACKFILL FOR EACH COURSE OF T-WALL PRIOR TO PLACING THE NEXT COURSE.
10. PLACE PRECAST CONCRETE BACKWALL TOP.
11. INSTALL REQUIRED BALLAST, TIMBER TIES AND RAIL.
12. DE-MOBILIZE THE SITE ADEQUATELY TO RESUME RAIL TRAFFIC.

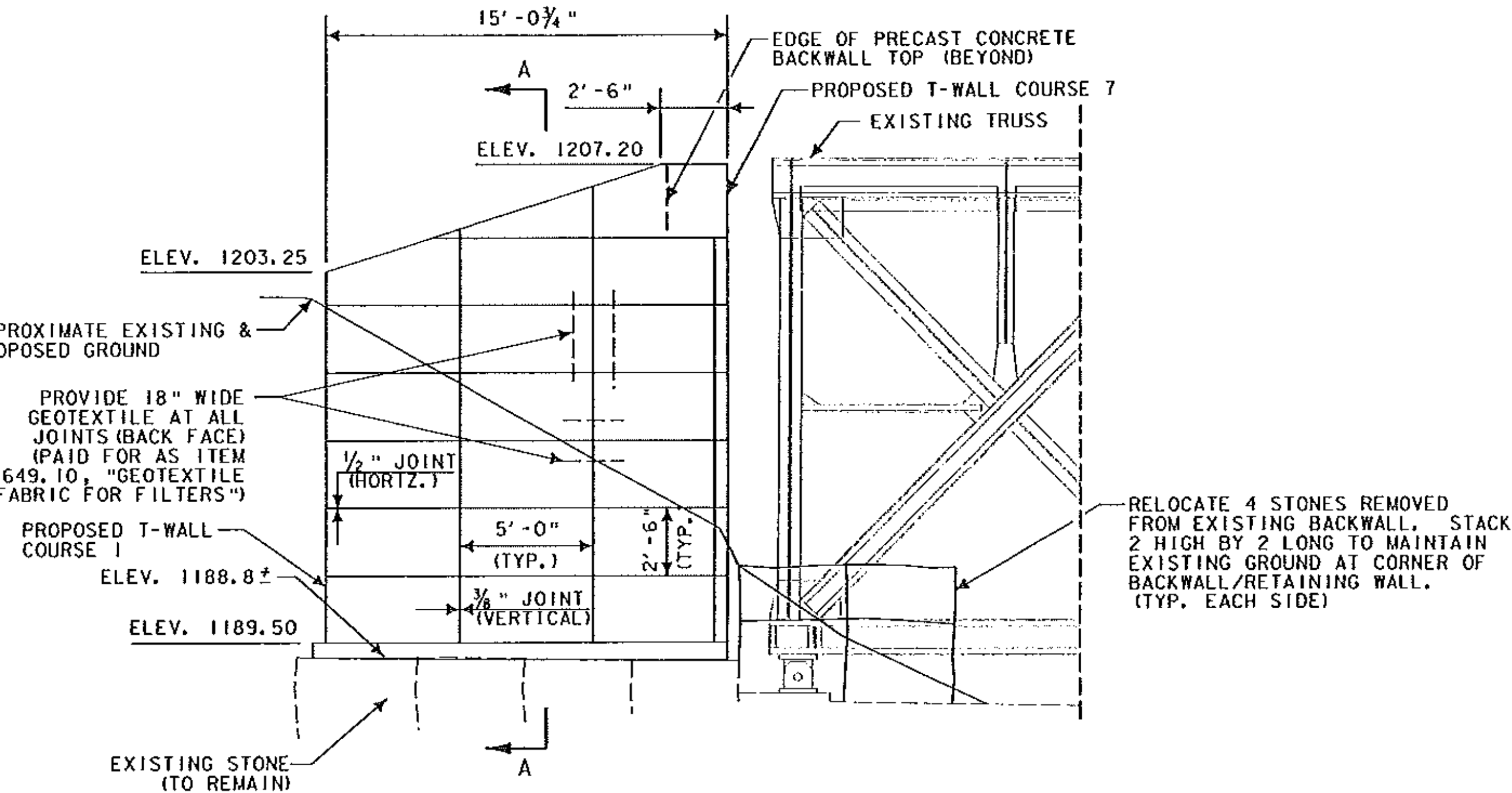
**THE TRACK WILL BE PUT IN SERVICE (MONDAY AT 7:00 A.M.)**

13. APPLY WATER REPELLENT TO CONCRETE SURFACES.
14. PLACE STONES IN CORNERS OF BACKWALL AND BACKFILL FACE OF RETAINING WALLS.
15. REMOVE TEMPORARY EROSION CONTROL MEASURES AND CLEAN SITE OF ALL CONSTRUCTION RELATED DEBRIS.

**PRECAST CONCRETE NOTES:**

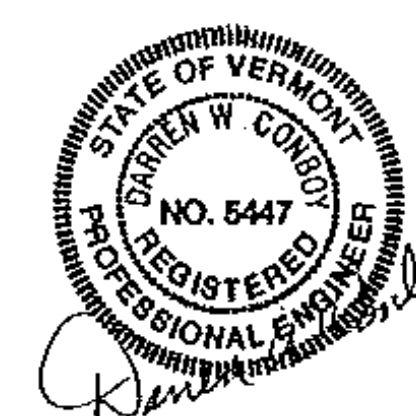
1. PRECAST ELEMENTS SHALL BE DESIGNED BY THE MANUFACTURER AND WILL BE SUBJECT TO THE APPROVAL OF THE ENGINEER. DRAWINGS AND CALCULATIONS SHALL BE STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF VERMONT. THE PRECAST ELEMENTS SHALL BE FABRICATED AND DESIGNED IN ACCORDANCE WITH THE LATEST REVISIONS OF BOTH AASHTO AND AREMA SPECIFICATIONS. DESIGN LIVE LOAD SHALL BE COOPER E-80.
2. THE CONTRACTOR SHALL PREPARE THE DESIGN, SHOP DETAILS, ERECTION AND ANY OTHER WORKING DRAWINGS IN ACCORDANCE WITH REQUIREMENTS OF THE STATE OF VERMONT AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS. SUBSTITUTIONS OF SECTIONS, MATERIALS OR DETAILS DIFFERING FROM THOSE SHOWN ON THE CONTRACT PLANS SHALL BE MADE ONLY WHEN APPROVED BY THE ENGINEER. ALL CHANGES AND REVISIONS TO THE WORKING DRAWINGS SHALL BE SUBJECT TO FURTHER APPROVAL BY THE ENGINEER.
3. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 1/2", UNLESS OTHERWISE NOTED.
4. PRECAST CONCRETE T-WALL UNITS SHALL BE PAID FOR AS ITEM 526.30, "MECHANICALLY STABILIZED EARTH (MSE) WALL (MOD I) PRECAST CONCRETE MODULAR WALL (T-WALL)".
5. PRECAST CONCRETE BACKWALL TOP SHALL BE PAID FOR AS ITEM 526.30, "MECHANICALLY STABILIZED EARTH (MSE) WALL (MOD II) PRECAST CONCRETE BACKWALL TOP". SHOP DRAWINGS SHALL INCLUDE THE PRECAST CONCRETE BACKWALL TOP, COMPLETE WITH ALL REINFORCEMENT INCLUDING LIFTING MECHANISMS.
6. PRECAST CONCRETE MODULAR WALL (T-WALL) AND BACKWALL TOP SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI.
7. WATER/CEMENT RATIO IS TO BE A MAXIMUM OF 0.40.
8. CONCRETE SHALL HAVE A MAXIMUM SLUMP OF 2 INCHES BEFORE THE SUPERPLASTICIZER IS ADDED, AND 6 INCHES AFTER THE SUPERPLASTICIZER IS ADDED.
9. AIR CONTENT IS TO BE 6% +/- 1%.
10. COARSE AGGREGATE SHALL HAVE A MAXIMUM NOMINAL SIZE OF 1 INCH.
11. BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF AASHTO M 31 (ASTM A 615-S1). ALL BARS SHALL BE GRADE 60, UNLESS OTHERWISE DESIGNATED.
12. FOR TYPICAL BENDING DETAILS, RECOMMENDED PIN DIAMETER "D" OF BENDS AND HOOKS AND OTHER STANDARD PRACTICE, SEE CURRENT CONCRETE REINFORCING STEEL INSTITUTE "MANUAL OF STANDARD PRACTICE".
13. THE CONTRACTOR SHALL SUBMIT THE CONCRETE MIX DESIGN TO THE ENGINEER FOR APPROVAL.

NOTE: NORTHWEST RETAINING WALL SHOWN, NORTHEAST RETAINING WALL SIMILAR.



**RETAINING WALL ELEVATION**  
SCALE: 1/4" = 1'-0"

NOTE:  
SEE SHEET 9 FOR BACKWALL LAYOUT PLAN.



EDWARDS & KELCEY, INC.

<b>STATE OF VERMONT AGENCY OF TRANSPORTATION</b>	
Town Of <b>ROCKINGHAM</b>	Bridge No. <b>107</b>
Highway No. <b>Green Mountain Railroad</b>	Log Sta. Surv. Sta.
<b>BRIDGE OVER WILLIAMS RIVER</b>	
<b>NORTH ABUTMENT RETAINING WALLS</b>	
Designed By <b>J. Wilson</b>	Drawn By <b>S. Gunn</b>
Checked By <b>S. Halloran</b>	Bridge Design Supervisor Date <b>6/02</b>
PROJECT <b>ROCKINGHAM</b>	PROJECT NO. <b>RAIL-04-9044 C/7 PHASE II</b>
I.G.C. Info.	Bridge Sheet No. <b>8</b> of <b>11</b>