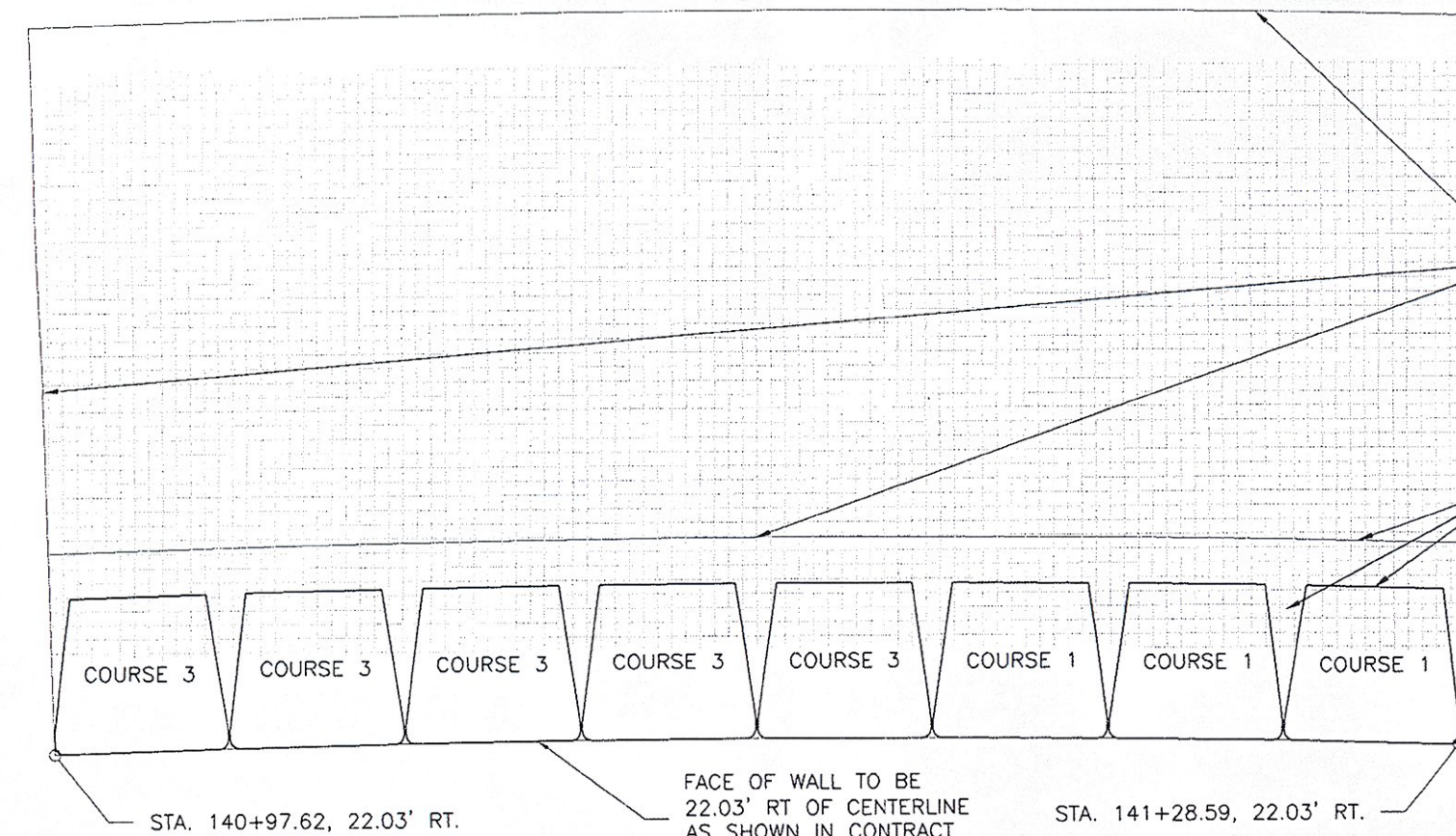


1 WALL ELEVATION
S1.0
1/4" = 1'



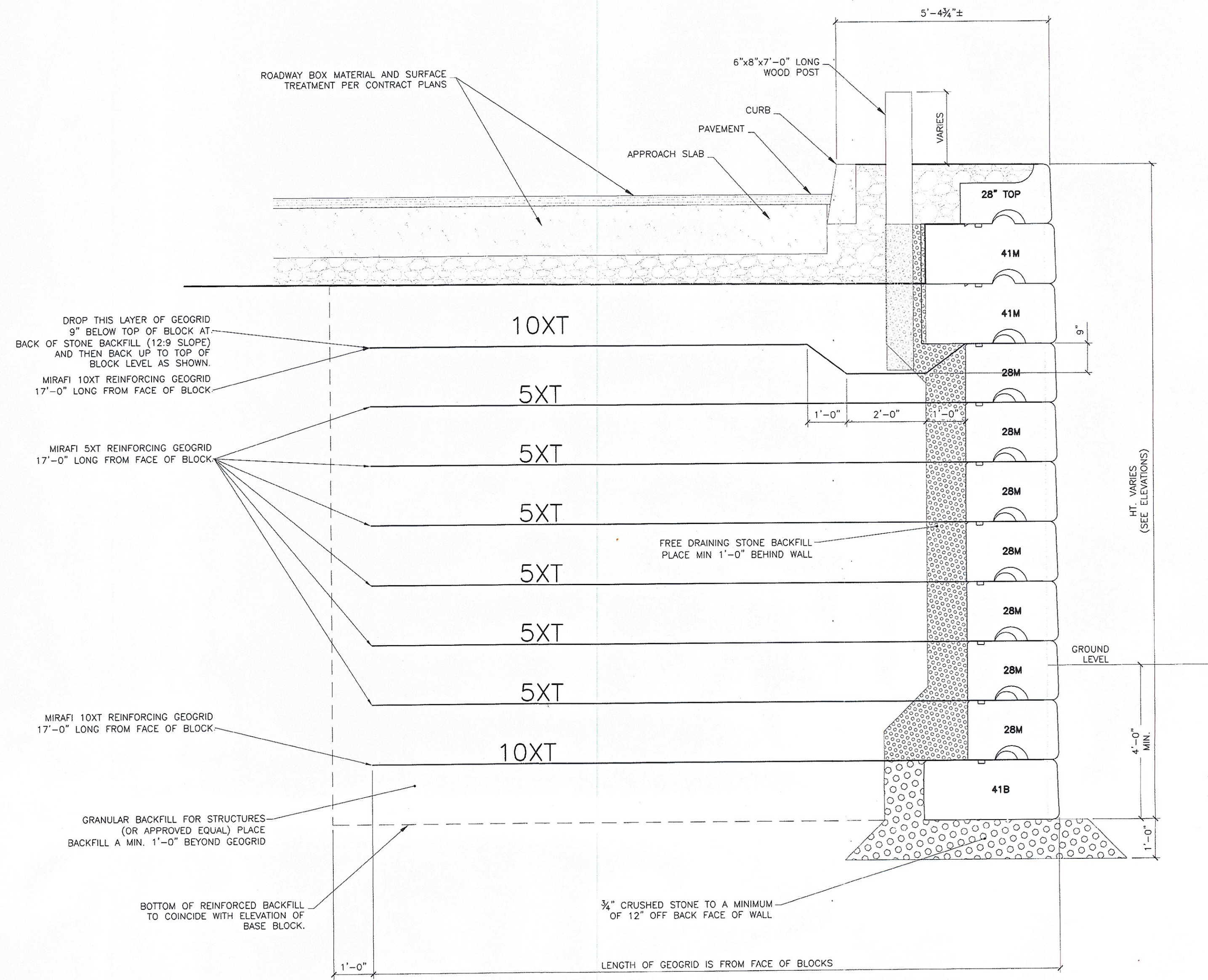
3 WALL ELEVATION
S1.0
1/4" = 1'

REDI-ROCK RETAINING WALL NOTES:

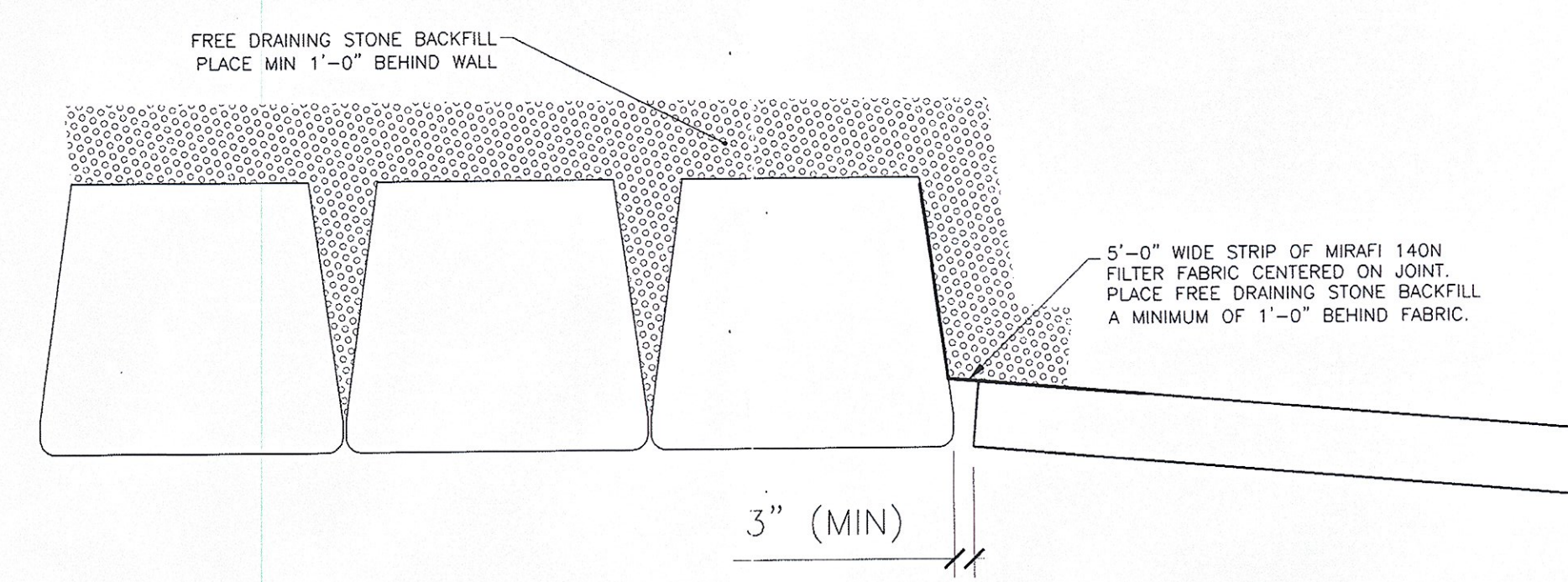
- PRECAST CONCRETE, INCLUDING THE MIX DESIGN AND FABRICATION, SHALL COMPLY WITH VAOT STANDARD SPECIFICATIONS SECTION 540.
 - WALL CONSTRUCTION SHALL FULLY COMPLY WITH REDI-ROCK INTERNATIONALS STANDARD SPECIFICATIONS AND CONTRACT PLANS & SPECIFICATIONS. THE MORE STRINGENT SHALL APPLY.
 - RETAINED SOIL SHALL BE DETERMINED TO MEET OR EXCEED THE REQUIREMENTS BELOW IN THE ABSENCE OF A GEOTECHNICAL ENGINEERING STUDY. SOILS NOT MEETING THESE REQUIREMENTS SHALL BE EXCAVATED AND REPLACED WITH ACCEPTABLE SOILS. IF WEAK SOILS ARE FOUND TO BE PRESENT BELOW THE WALL, THEY SHALL BE EXCAVATED AND REPLACED WITH ACCEPTABLE SOILS.
- LEVELING PAD SHALL BE COMPRISED OF A MINIMUM 1'-0" THICK LAYER OF 3/4" CRUSHED STONE CONSTRUCTED ON UNDISTURBED EXISTING MATERIAL. THE CRUSHED STONE SHALL COMPLY WITH VAOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ITEM 301.26 SUBBASE OF CRUSHED GRAVEL, FINE GRADED. THE EXISTING FOUNDATION MATERIAL SHALL HAVE A MINIMUM ALLOWABLE BEARING CAPACITY OF 4,000 P.S.F.
- FREE DRAINING STONE BACKFILL SHALL BE #89 CRUSHED STONE. PLACED DIRECTLY BEHIND WALL FOR THE DEPTHS SPECIFIED ON PLANS (1'-0" MIN) AND SHALL EXTEND VERTICALLY FROM LEVELING PAD TO THE TOP OF THE 28" TOP BLOCK. EXPOSED DRAINAGE STONE SHALL BE PROTECTED FROM FINE SOIL MIGRATION THROUGHOUT CONSTRUCTION.
- BACKFILL SOIL BEYOND DRAINAGE ZONE SHALL COMPLY WITH CONTRACT MATERIALS SPECIFICATIONS 704.08, GRANULAR BACKFILL FOR STRUCTURES OR AN APPROVED EQUAL. IT SHALL BE INSTALLED PER CONTRACT PLANS AND SPECIFICATIONS. THIS MATERIAL SHALL MEET OR EXCEED THE SOIL PROPERTIES LISTED BELOW. ORGANIC AND FROST SUSCEPTIBLE SOILS ARE NOT PERMITTED WITHIN A 1 TO 1 INFLUENCE AREA.
- ALL DRAINAGE AND FOUNDATION SOIL SHALL BE COMPACTED TO 95% OF ASTM D1557 USING HAND-OPERATED PLATE COMPACTION EQUIPMENT. BACK FILL SOIL BEYOND CONSOLIDATION ZONE SHALL BE COMPACTED TO 95% OF ASTM D1557. CONTRACTOR SHALL ENSURE THAT FOUNDATION SOIL IS CAPABLE OF SUPPORTING 4,000 P.S.F.
 - THE FOLLOWING MINIMUM SOIL PROPERTIES WERE USED IN THE DESIGN:
- | | SOIL WEIGHT [PCF] | FRICTION ANGLE [DEG] |
|------------------------|-------------------|----------------------|
| BACKFILL SOIL | 140 | 34 |
| RETAINED SOIL | 140 | 30 |
| FOUNDATION SOIL | 140 | 30 |
| LEVELING PAD | 140 | 34 |
| FREE DRAINING BACKFILL | 140 | 34 |
- ENSURE THAT THE FIRST COURSE OF WALL UNITS IS IN FULL CONTACT WITH FOUNDATION. INSTALL NEXT COURSE OF UNITS SUCH THAT THE VERTICAL GAPS ARE STAGGERED BETWEEN ADJACENT COURSES. GAPS SHALL BE FILLED WITH #89 CRUSHED STONE PRIOR TO STARTING THE NEXT COURSE.
 - CONTRACTOR SHALL APPROVE/PROVIDE ALL ELEVATIONS AND INVERTS IN THESE PLANS PRIOR TO ORDERING MATERIAL.
 - THIS WALL IS DESIGNED FOR LIVE LOAD SURCHARGE OF 240 PSF AND FOR SEISMIC ACCELERATION COEFFICIENT A=0.10.
 - REDI-ROCK WALL IS DESIGNED IN ACCORDANCE WITH "AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS", 4TH EDITION, 2007 WITH LATEST INTERIMS.

ASTM C33 #89 STONE GRADATION

SIEVE	%PASSING
3/8"	100
3/4"	90-100
NO. 4	20-55
NO. 8	5-30
NO. 16	0-5
NO. 50	0-5

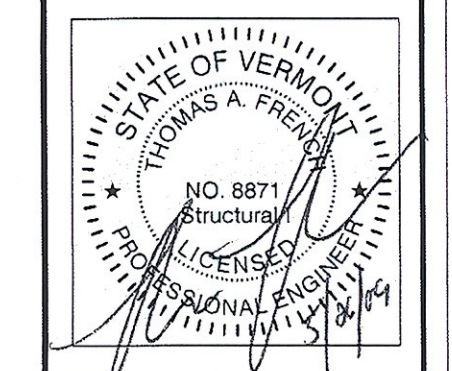


2 TYPICAL SECTION
S1.0
1/2" = 1'



5 REDI-ROCK / CIP CONCRETE JOINT
S1.0
1/2" = 1'

Revised	By	Date	Comments
5/21/09	TAF		Revised per Virons comments
5/19/09	TAF		Revised per Virons comments
3/03/09	TAF		Revised per Virons comments
12/4/08	CFP		Revised per Virons comments



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Scale: As Shown
Checked By: TAF/JMB

STOCKBRIDGE, VT
BRF 013-4(21)

REDI-ROCK WALLS
Designed By: JMB
Drawn By: TAF/CFP
Project No. 5002
Date: 10/20/08

Prepared for:
Winter Construction
PO Box 968
Lyndonville, VT 05851

DWG NO.
S1.0

RECEIVED
OK'D BY: [Signature] OK'D BY: [Signature]
MAY 28 2009
BY: KMH DATE: 5/21/09