

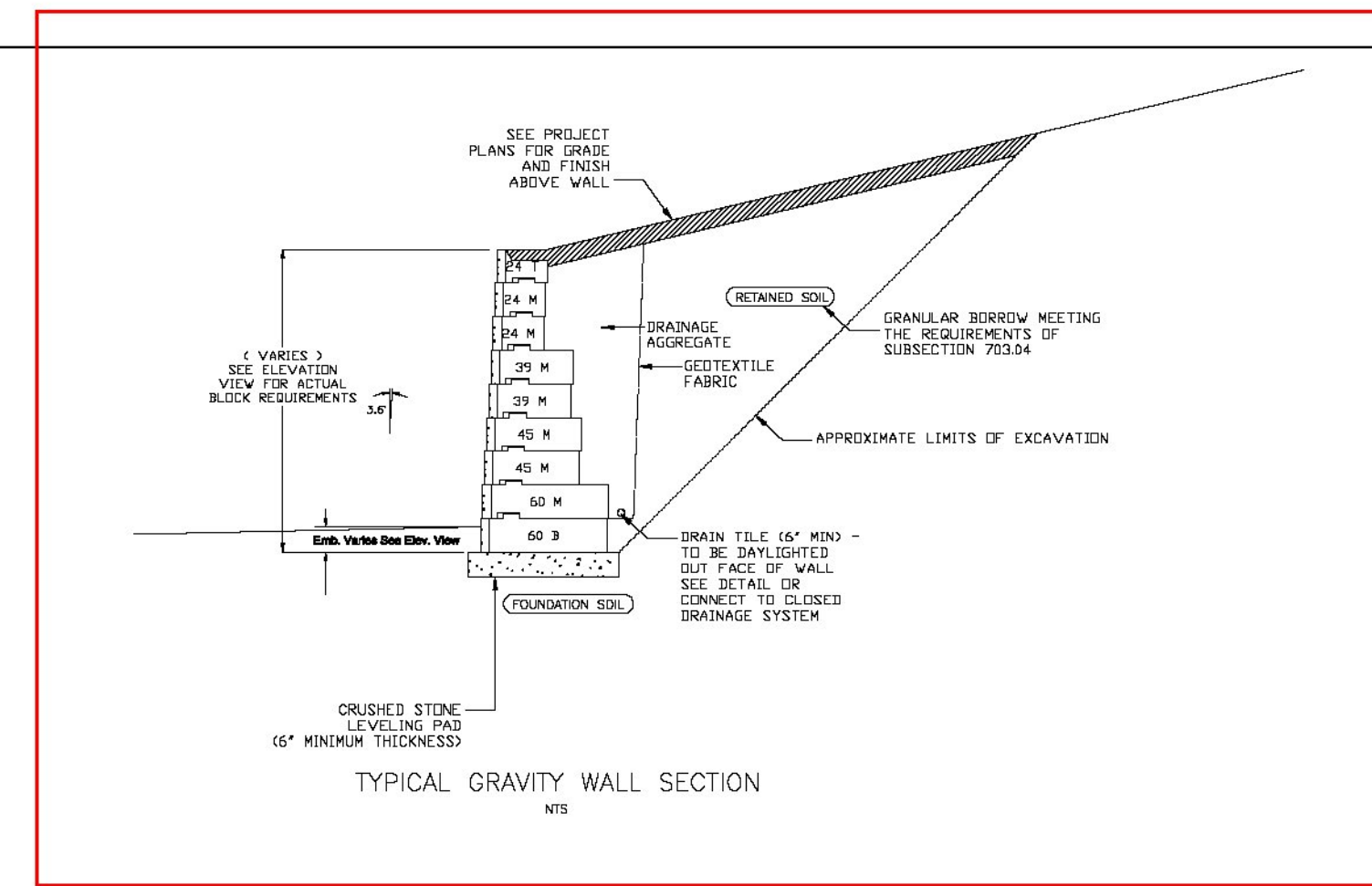
RECON BLOCK RETAINING WALL  
ELEVATION VIEW  
FACING WALL  
Scale: H = 1"=10' V = 1"=5'

**Quantities**

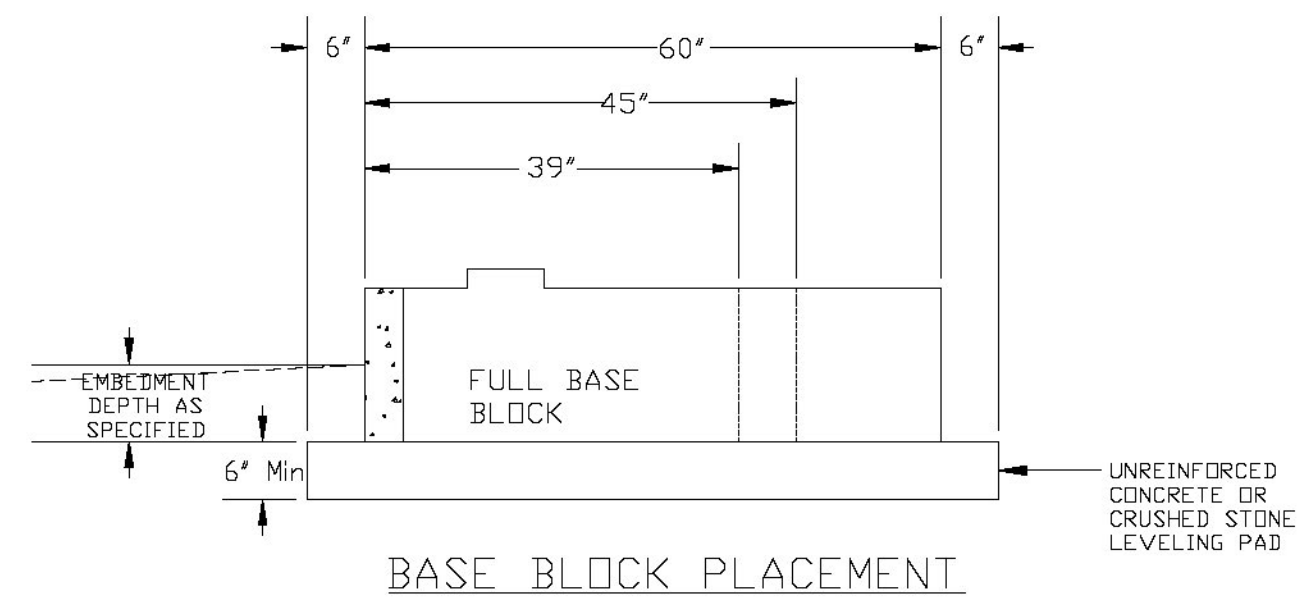
1/2 FH CAP BLOCK	- 1 blks (5.33 sf)
FH CAP BLOCK	- 3 blks (31.98 sf)
FH CAP END BLOCK	- 1 blk (13.33 sf)
39 FULL BLOCK	- 16 blks (85.28 sf)
H39 FULL BLOCK	- 4 blk (10.66 sf)
45 FULL BLOCK	- 7 blks (37.31 sf)
H45 FULL BLOCK	- 1 blk (2.67 sf)
60 BASE BLOCK	- 3 blk (15.99 sf)
<b>TOTAL SF OF WALL FACE</b>	<b>- 202.55 sq ft</b>

**LEGEND**

24	SIZE & TYPE OF BLOCK - I.E. 24 FULL BLOCK
24B	SIZE & TYPE OF BLOCK - I.E. 24 BASE BLOCK

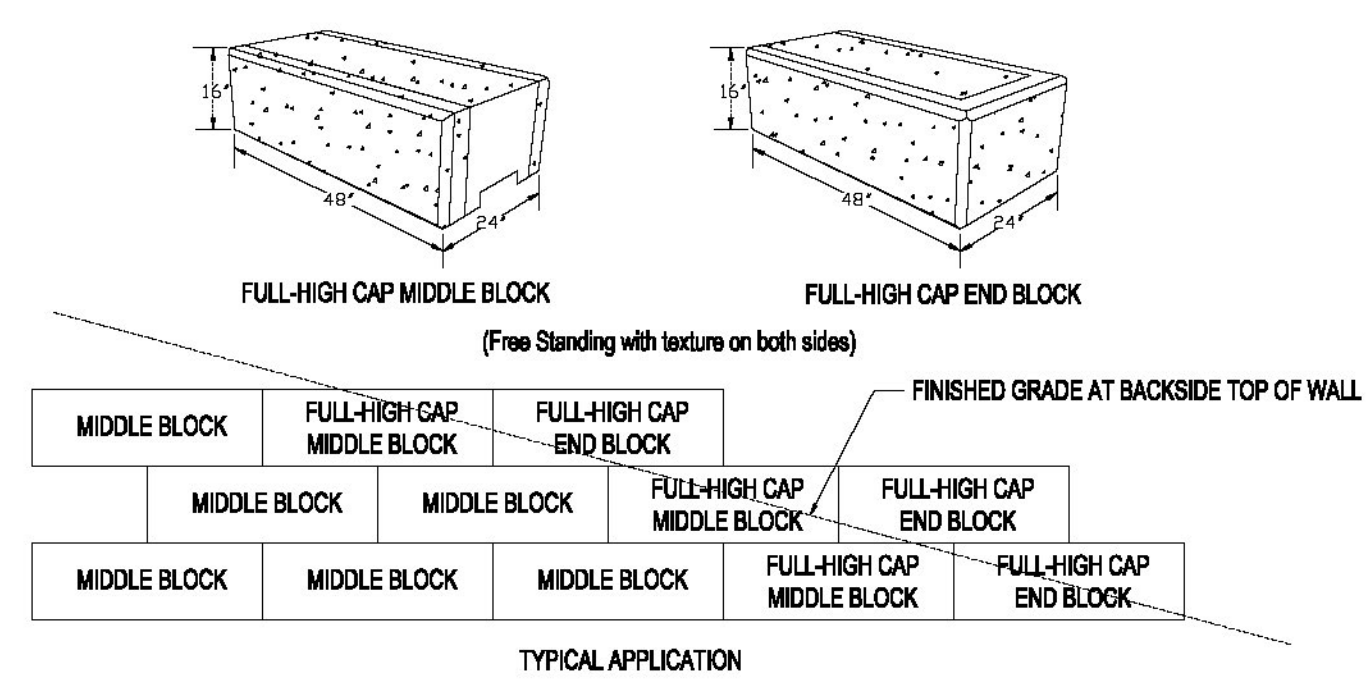


TYPICAL GRAVITY WALL SECTION

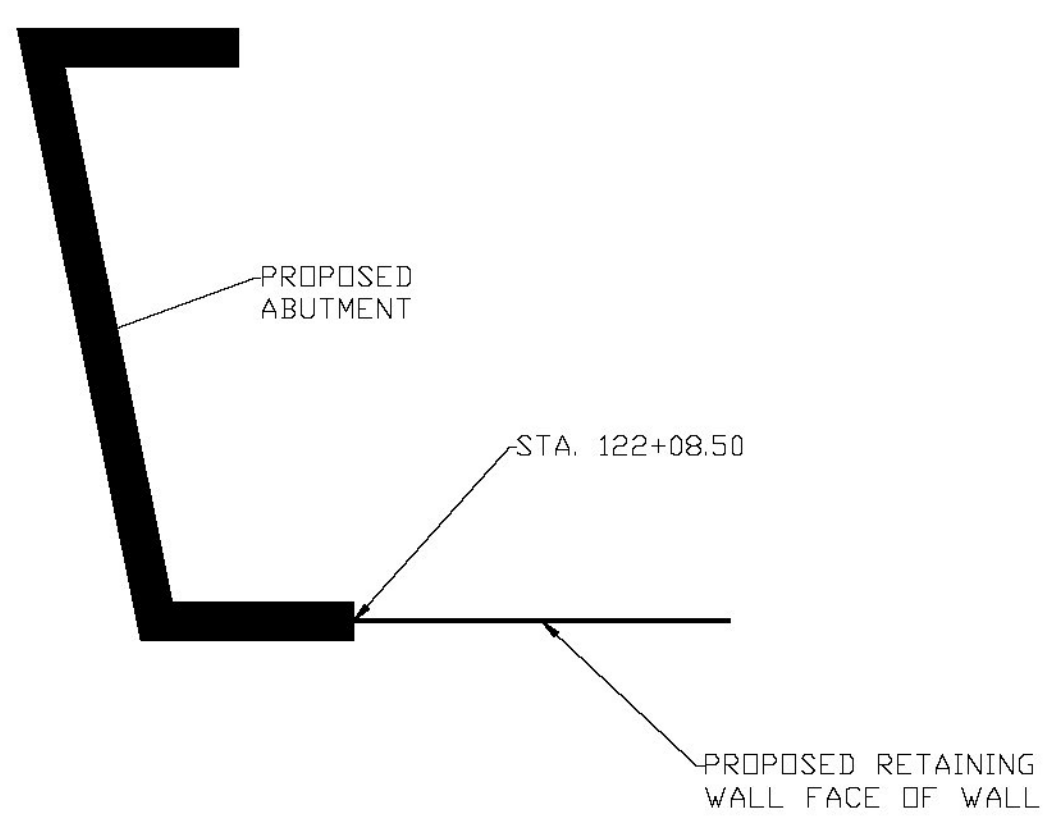


BASE BLOCK PLACEMENT

**NOTES:**  
 1. LEVELING PAD SHOULD BE AS SPECIFIED BY THE DESIGN ENGINEER IN THE PROJECT PLAN SET.  
 2. THE WIDTH OF THE LEVELING PAD MUST EXTEND 6" (MINIMUM) IN FRONT AND 6" (MIN) IN BACK OF THE BASE BLOCK. AS A RESULT, THE TYPICAL WIDTH OF LEVELING PAD WOULD BE:  
 39" DEEP BASE BLOCK-LEVELING PAD WIDTH IS 51"  
 45" DEEP BASE BLOCK-LEVELING PAD WIDTH IS 57"  
 60" DEEP BASE BLOCK-LEVELING PAD WIDTH IS 72"  
 3. **SET THE BASE BLOCK AND CHECK FOR LEVEL FROM FRONT TO BACK.**  
 4. COMPACTION TO THE SPECIFIED EMBEDMENT DEPTH SHALL BE DONE IN FRONT OF THE BASE BLOCK. **BEFORE** COMPACTION IS DONE BEHIND THE BASE BLOCK, THIS REDUCES THE CHANCE THAT COMPACTION BEHIND THE BASE BLOCK WILL BOLL THE BASE BLOCK FORWARD.  
 5. SEE BLOCK SPECIFICATION & INSTALLATION INSTRUCTIONS FOR MORE DETAILS.

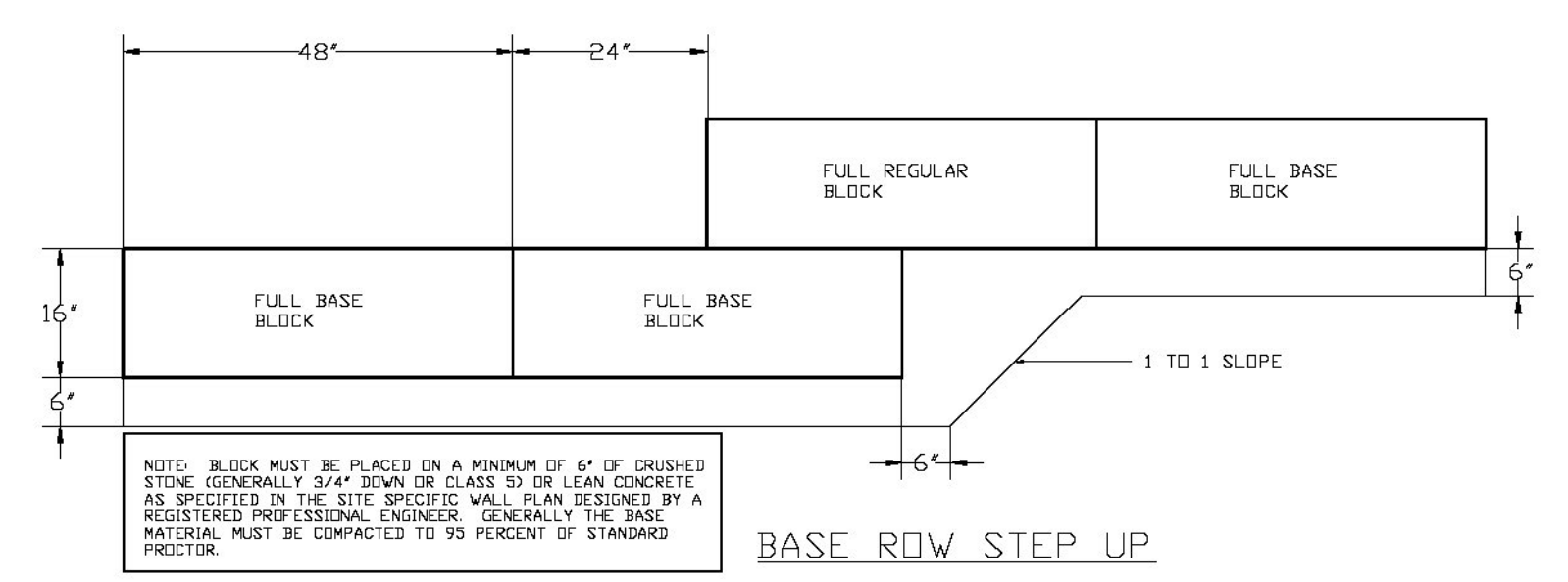


TYPICAL APPLICATION



VICINITY SKETCH  
(REFER TO PROJECT PLANS FOR SCALED LOCATIONS)  
NOT TO SCALE

Vermont Agency of Transportation  
**RECEIVED**  
 CK'D BY CB/JG/GL OK'D BY JTS  
 May 4, 2013  
 RESUBMIT NO Approved  
 BY KH DATE 05/15/13



- NOTES:**
- WALL TO BE CONSTRUCTED TO LINE AND GRADE ON THE CIVIL ENGINEERING SITE PLAN PREPARED BY VHB, INC. DATED 12 OCTOBER 2012.
  - EXCAVATION LIMITS FOR INSTALLATION OF THE RETAINING WALL SHALL CONFORM TO OSHA STANDARDS. CONTRACTOR IS RESPONSIBLE FOR CLASSIFICATION OF SOIL IN ACCORDANCE WITH OSHA STANDARDS AND MAINTAINING APPROPRIATE SLOPE LAYBACK REQUIREMENTS. ADDITIONALLY, CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF PROPERTY LINE BOUNDARIES AND OBTAINING APPROPRIATE PERMITS OR EASEMENTS AS NECESSARY TO COMPLETE INSTALLATION OF THE RETAINING WALL. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE BEARING AREA FOR THE EXISTING STRUCTURE AND PROVIDING ANY SUPPORT REQUIRED. CONTRACTOR IS ALSO RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF THE EXISTING CMU WALL. CONTRACTOR TO TAKE CARE IN NOT DISTURBING WALL DURING INSTALLATION.
  - BACKFILL BEHIND WALL TO BE FREE-DRAINING BACKFILL SHALL BE WELL-GRADED, COMPACTIBLE AGGREGATE MEETING AND PLACED IN ACCORDANCE WITH VAOT SPECIFICATIONS.
  - UNIT DRAINAGE FILL TO CONSIST OF DRAINAGE AGGREGATE MEETING THE REQUIREMENTS OF SUBSECTION 704.16, PLACE GEOTEXTILE FABRIC, MEETING THE REQUIREMENTS OF SUBSECTION 720 BETWEEN THE DRAINAGE AGGREGATE AND GRANULAR BACKFILL.
  - SUBGRADE UNDERLYING LEVELING PAD SHALL CONSIST OF FIRM, DRY, UNDISTURBED NATURAL GLACIAL TILL SOILS OR FREE-DRAINING FILL COMPACTED TO 95% OF MAXIMUM DRY DENSITY DETERMINED IN ACCORDANCE WITH STANDARD PROCTOR TEST (ASTM D-698). SUBGRADE TO BE CAPABLE OF 3,000 PSF BEARING CAPACITY TO BE VERIFIED BY QUALIFIED ENGINEER IN FIELD.
  - RETAINING WALL SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
  - FOUNDATION DRAIN TO DAYLIGHT AT LOW-POINT OF WALL OR CONNECT TO A CLOSED DRAINAGE SYSTEM. WALL BLOCK TO BE CUT OR CORED IN FIELD TO ALLOW FOR DRAIN PIPE TO EXTEND THROUGH FACE OF WALL. SEE DETAIL PROVIDED HEREON.
  - FENCE OR GUARDRAIL, IS TO BE INSTALLED WHERE REQUIRED BY CODE OR PROJECT PLANS. REFER TO RECON STANDARD DETAIL FOR INSTALLATION OF APPROPRIATE ITEM AND IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. ACTUAL DESIGN OF FENCE/GUARDRAIL BY OTHERS.
  - IF SITE CONDITIONS ARE DIFFERENT THAN THOSE ASSUMED FOR DESIGN, R&M ENGINEERING CONSULTANTS SHOULD BE NOTIFIED AND THE VALIDITY OF THE DESIGN VERIFIED.
  - CONTRACTOR IS RESPONSIBLE TO MAINTAIN ALL EROSION CONTROL MEASURES REQUIRED BY CODE - R&M IS NOT RESPONSIBLE FOR EROSION CONTROL MEASURES OR APPLICATION OF FINISH SLOPE TREATMENT.



RETAINING WALL CONSTRUCTION PLAN			
RECON BLOCK WALL			
JAMAICA ER-BRF 013-1(16) SPECIAL			
PROVISION RETAINING WALL JAMAICA, VT			
DATE:	REVISIONS	DATE:	DRAWN BY
5/2/13	PER COMMENTS	3/15/13	R. BUSHNELL, P.E.
		PROJ. NUMBER	CHECKED BY
		13-118	R. BUSHNELL, P.E.
PREPARED FOR:		PREPARED BY:	
SD IRELAND COMPANIES WILLISTON, VERMONT		R & M ENGINEERING CONSULTANTS 38 EDWARDS DRIVE, GILMANTON NH 03637 TEL: (603) 393-9842 FAX: (603) 556-7369	

SHEET  
1 OF 1