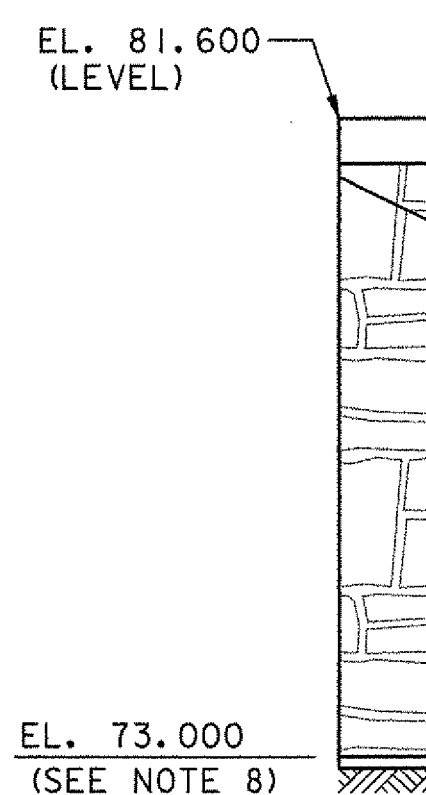


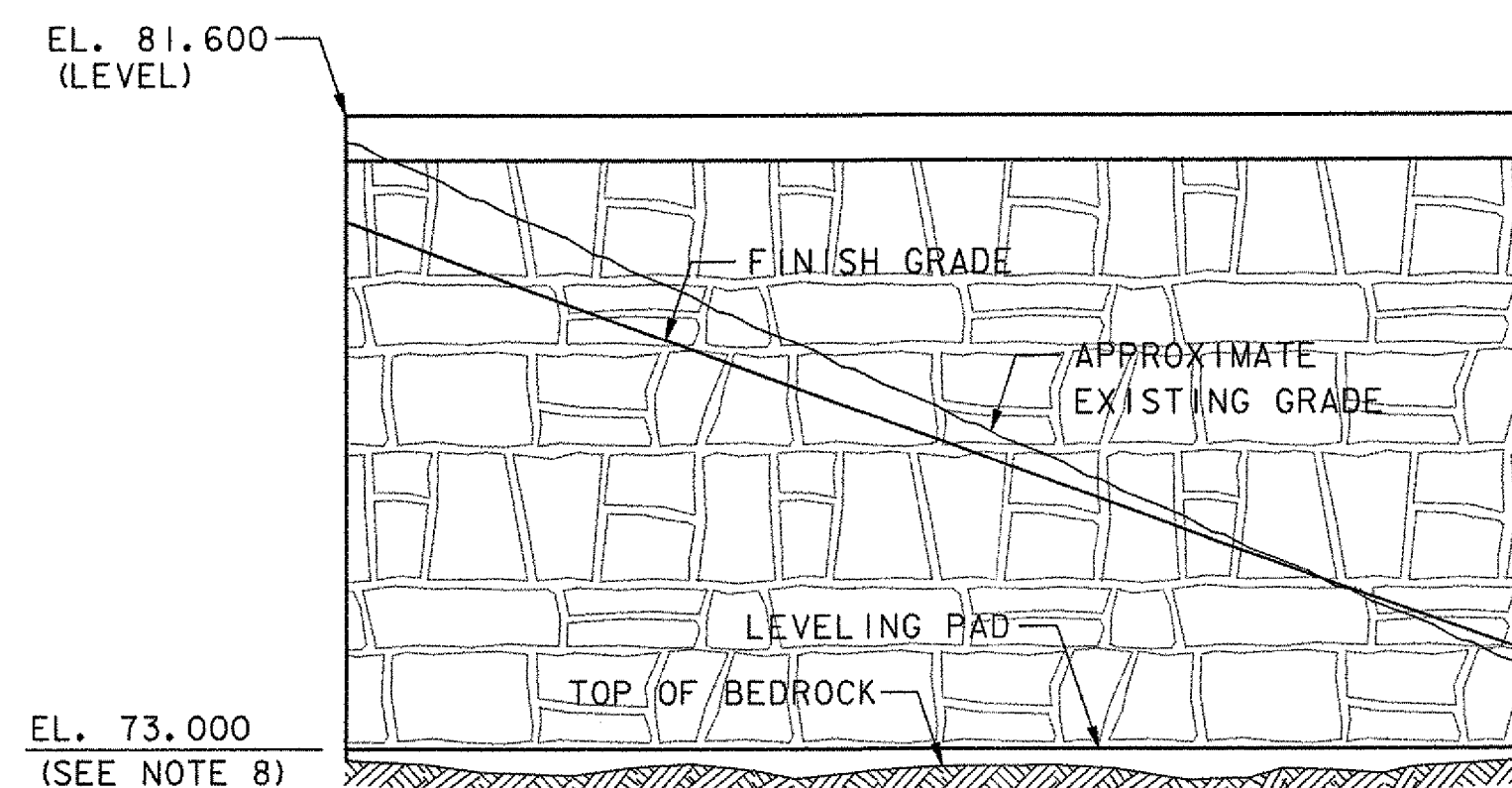
**MSE WALL PLAN**  
SCALE: 1:100

**MSE WALL NOTES:**

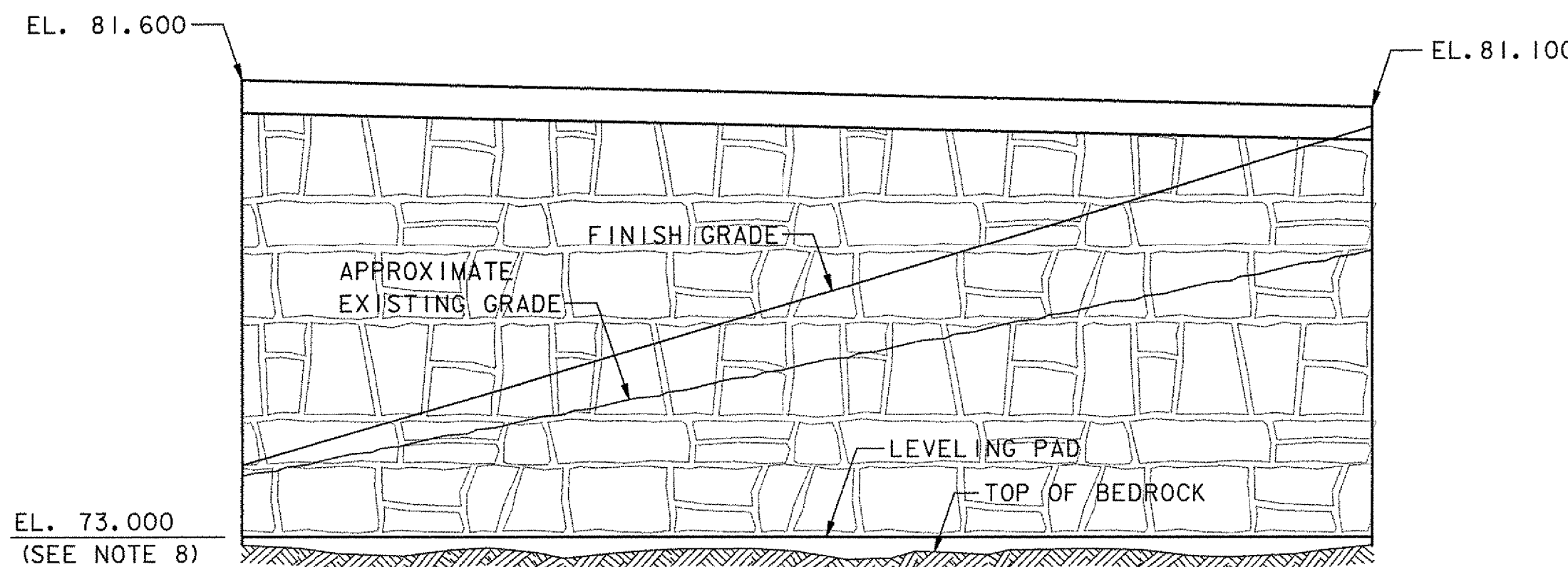
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INTERNAL AND EXTERNAL STABILITY OF THE SELECTED MSE RETAINING WALL SYSTEM. THE CONTRACTOR SHALL SUBMIT MSE RETAINING WALL PLANS AND DESIGN CALCULATIONS FOR APPROVAL IN ACCORDANCE WITH SECTION 105.03. SEE THE SPECIAL PROVISION FOR APPROVED WALL SYSTEMS AND DESIGN REQUIREMENTS. ALL PLANS AND CALCULATIONS SHALL BE PREPARED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF VERMONT AND SHALL BEAR THE ENGINEER'S SEAL.
2. ALL COSTS ASSOCIATED WITH THE DESIGN, FABRICATION AND CONSTRUCTION OF THE MSE RETAINING WALL, INCLUDING LEVELING PAD, CONCRETE COPING, REINFORCING STEEL, DENSE GRADED CRUSHED STONE, SELECT GRANULAR BACKFILL, GEOMEMBRANE, GEOTEXTILE, UNDERDRAIN PIPE, AND UNDERDRAIN BACKFILL SHALL BE INCLUDED IN ITEM 526.30, MECHANICALLY STABILIZED EARTH (MSE) WALL, UNLESS NOTED OTHERWISE.
3. THE CONTRACTOR MAY SUBSTITUTE A PRECAST WALL CAP FOR THE CAST-IN-PLACE CAP SHOWN ON THE PLANS. TOP OF WALL CAP SHALL FOLLOW A SMOOTH PROFILE. NO STEPS SHALL BE ALLOWED. EXPANSION JOINTS IN THE WALL CAP SHALL BE PROVIDED EVERY TWO MSE PANEL UNITS. NO ADDITIONAL PAYMENT WILL BE MADE FOR OPTIONAL WALL CAP AND ALL CONNECTION DETAILS SHALL BE PROVIDED BY THE CONTRACTOR.
4. UNDERDRAIN BACKFILL AND GEOTEXTILE SHALL BE PLACED ON TOP OF THE GEOMEMBRANE. PRIOR TO PLACING THE GEOMEMBRANE THE SUBGRADE SHALL BE GRADED SMOOTH WITH NO IRREGULARITIES OR STONE PROTRUSIONS. LIMITS OF GEOMEMBRANE AND GEOTEXTILE SHALL EXTEND A MINIMUM OF 1500 mm BEYOND THE END OF THE MSE RETAINING WALL.
5. REINFORCEMENT IN THE MSE WALL CAP SHALL HAVE 65 MINIMUM CLEAR COVER.
6. CONCRETE ARCHITECTURAL TREATMENT ON THE MSE WALL SHALL BE FINISHED WITH AN ASHLAR PATTERN AS SHOWN ON THE PLANS. THE ASHLAR PATTERN SHALL BE ACHIEVED BY THE USE OF FORM LINERS. CONCRETE COLOR SHALL BE LIGHT GRAY. COLOR SAMPLE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN ITEM 526.30.
7. THE CEMENT USED FOR ALL EXPOSED MSE WALL SURFACES SHALL BE FROM THE SAME SOURCE.
8. BOTTOM OF LEVELING PAD SHALL BE PLACED ON A SOUND BEDROCK SURFACE. SEE BORING INFORMATION SHEETS FOR APPROXIMATE BEDROCK LOCATIONS.



**WALL "A" ELEVATION**  
SCALE: 1:100



**WALL "B" ELEVATION**  
SCALE: 1:100



**WALL "C" ELEVATION**  
SCALE: 1:100

74.505 74.13 73.76 73.38 73.005  
SEE MSE WALL SHOP DRAWINGS  
FINAL STEP GRADES 4-6-06



DATUM  
VERTICAL NAVD 88  
HORIZONTAL NAD 83 (92)

**VHB Vanasse Hangen Brustlin, Inc.**

**STATE OF VERMONT  
AGENCY OF TRANSPORTATION**

Town Of COLCHESTER-SOUTH BURLINGTON	Bridge No. 6
Highway No. TH 4/3	Log Sta. Surv. Sta.
TH 4/3 OVER WINOOSKI RIVER & N.E.C.R.	
<b>MSE WALL DETAILS (1 OF 2)</b>	
Designed By M. A. COLGAN	Drawn By B. J. MASSE
Checked By S. M. GUNN	Date 4/05
Bridge Design Supervisor S. M. GUNN Date 4/05	
PROJECT COLCHESTER-SOUTH BURLINGTON	PROJECT NO. BRM 5600 (6) S C/2
I.G.C. Info.	
Bridge Sheet No. ZDI39RETI	Sheet 77 of 124