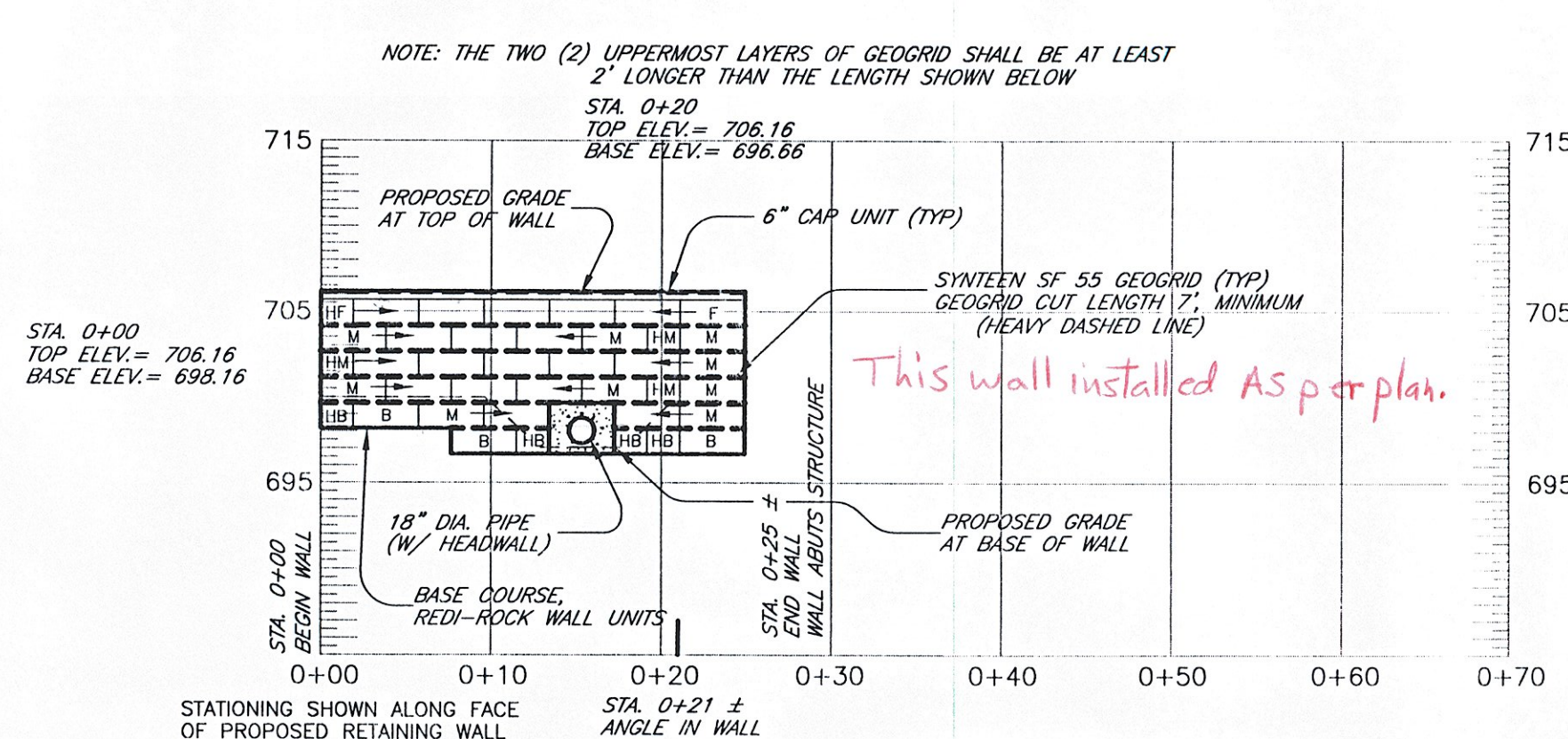


**WALL FACE DRAWING  
WALL #1 - SOUTHEAST WALL**

SCALE: 1" = 10'

NOTE: THIS WALL SHALL BE SUPERELEVATED .292 DEGREES

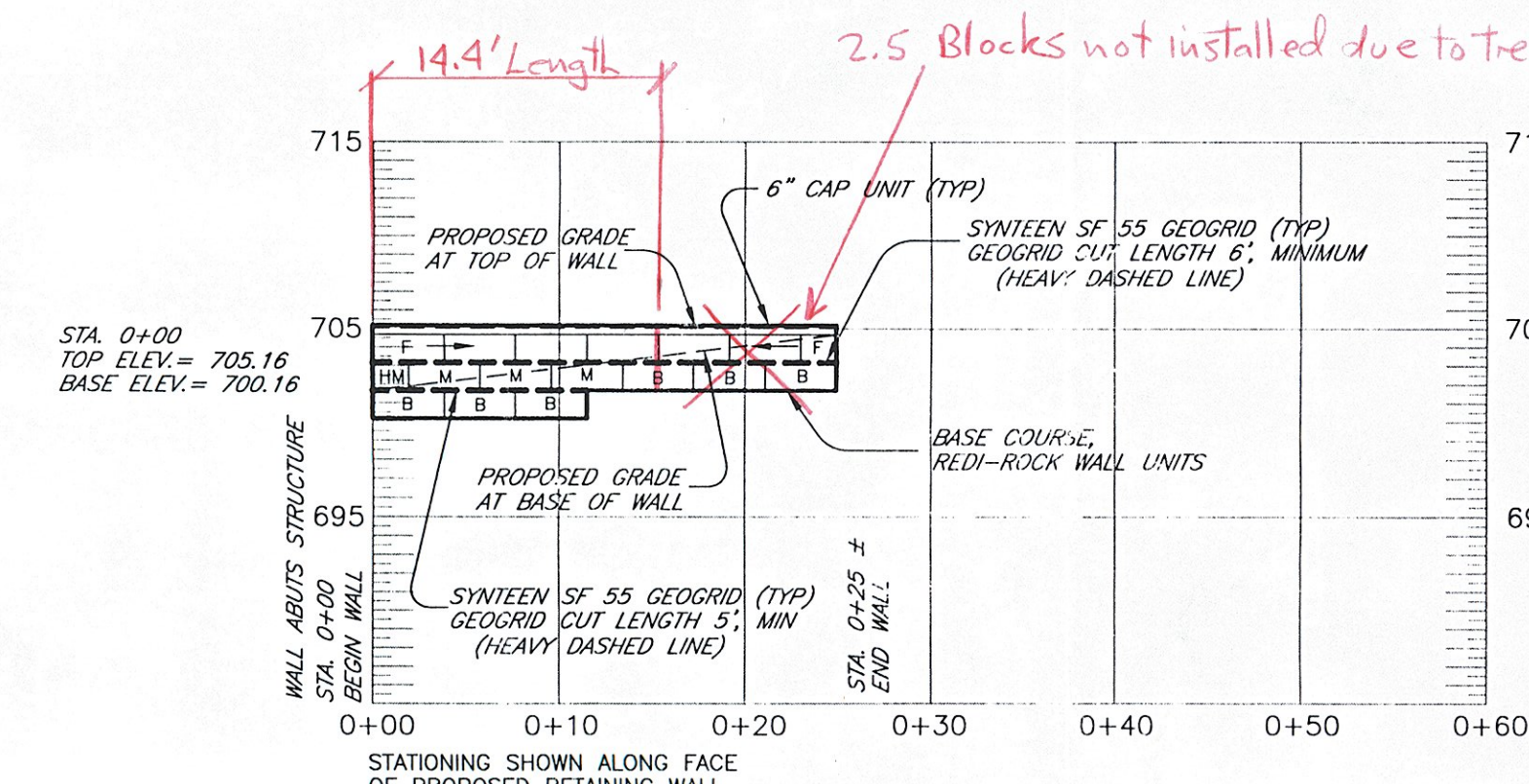


**WALL FACE DRAWING  
WALL #2 - NORTHEAST WALL**

SCALE: 1" = 10'

**LEGEND**

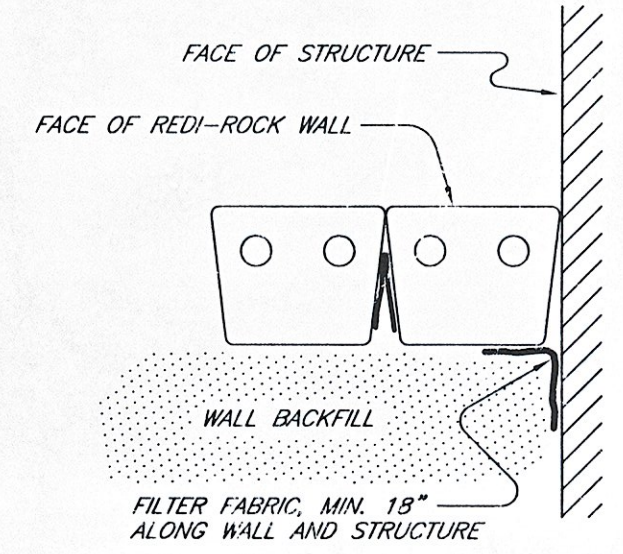
F	FREESTANDING BLOCK
HF	HALF FREESTANDING BLOCK
M	MIDDLE BLOCK
HM	HALF MIDDLE BLOCK
B	BOTTOM BLOCK
HB	HALF BOTTOM BLOCK
○	DENOTES CHANGE IN BLOCK TYPE



**WALL FACE DRAWING  
WALL #3 - NORTHWEST WALL**

SCALE: 1" = 10'

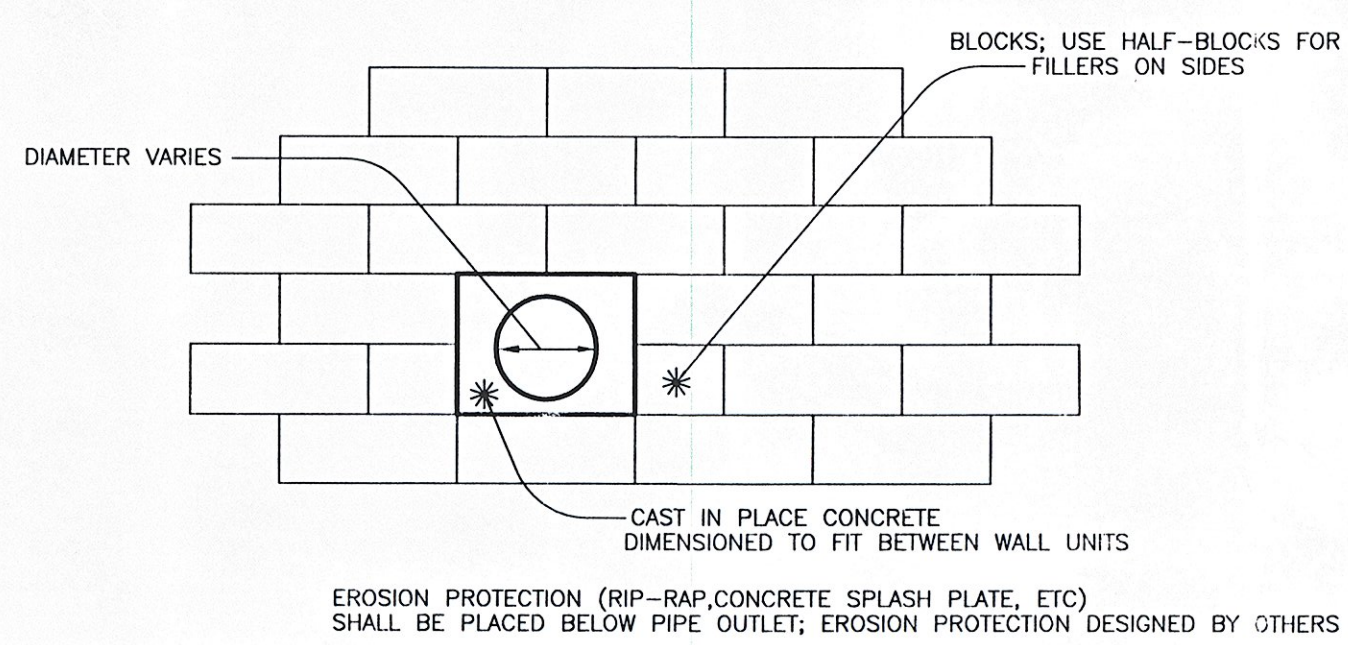
WHERE THE WALL ABUTS A STRUCTURE, A FILTER FABRIC (MIRAFI 140N, OR EQUAL) SHALL BE PLACED VERTICALLY ALONG THE SEAM TO PREVENT MIGRATION OF SOILS BETWEEN THE WALL BLOCK AND THE STRUCTURE. THE FABRIC SHOULD EXTEND AT LEAST 18" ALONG THE STRUCTURE AND 18" ALONG THE REAR OF THE WALL BLOCK.



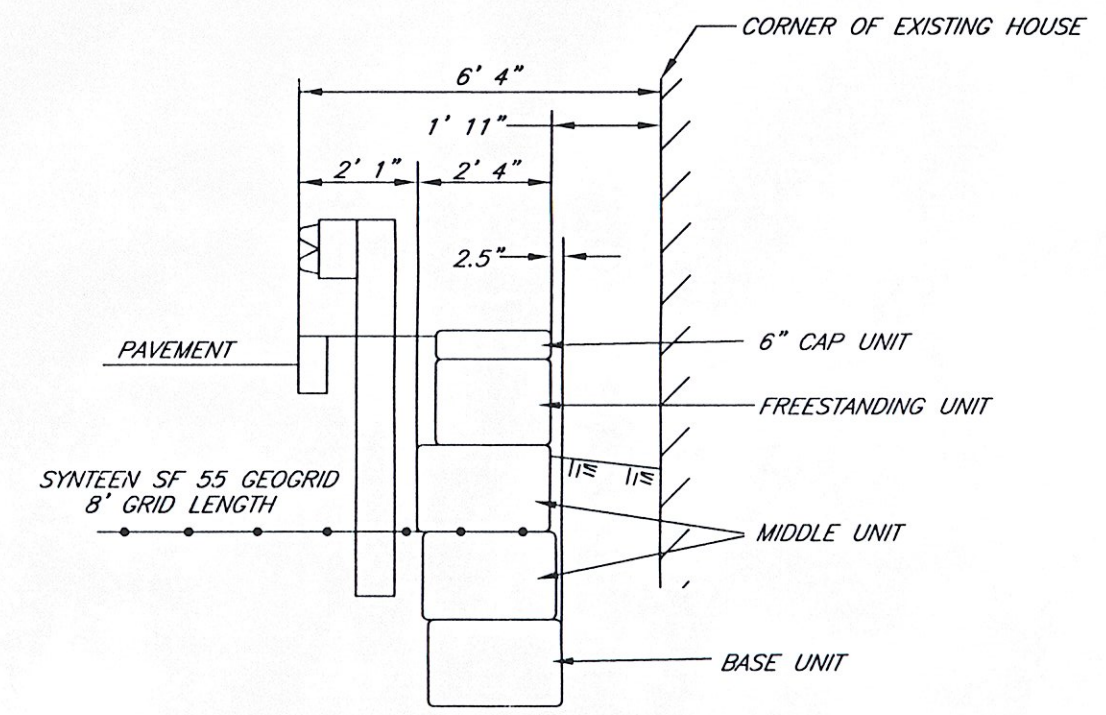
**DETAIL  
WALL ABUTTING STRUCTURE**  
(NOT TO SCALE)

NOTE: WHERE THE REDI-ROCK WALL ABUTS A STRUCTURE AT AN ANGLE, THE REDI-ROCK UNIT SHALL BE FIELD-TRIMMED TO MATCH THIS ANGLE AS NEAR AS PRACTICABLE. IF POSSIBLE, DO NOT TRIM THE FACE OF THE BLOCK.

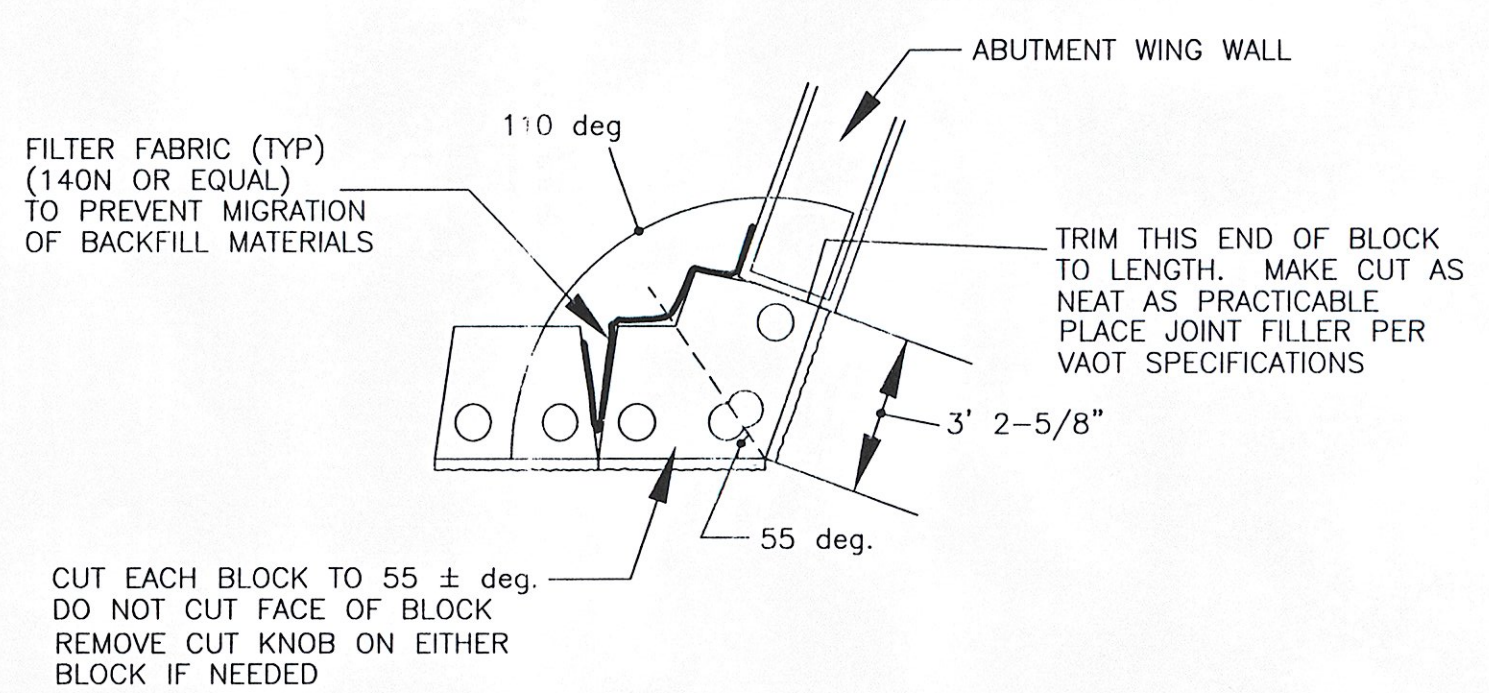
NOTE: IF THE FIELD CONDITIONS INDICATE THE GRADE AT THE BASE AND/OR TOP OF THE WALL TO BE DIFFERENT FROM THAT SHOWN ON THESE PLANS, THE DESIGN ENGINEER SHALL BE CONTACTED TO VERIFY CHANGES TO THE WALL BASE COURSE AND/OR TOP OF WALL ELEVATION.



**PIPE OUTLET THROUGH WALL FACE  
TYPICAL DETAIL**  
(NOT TO SCALE)



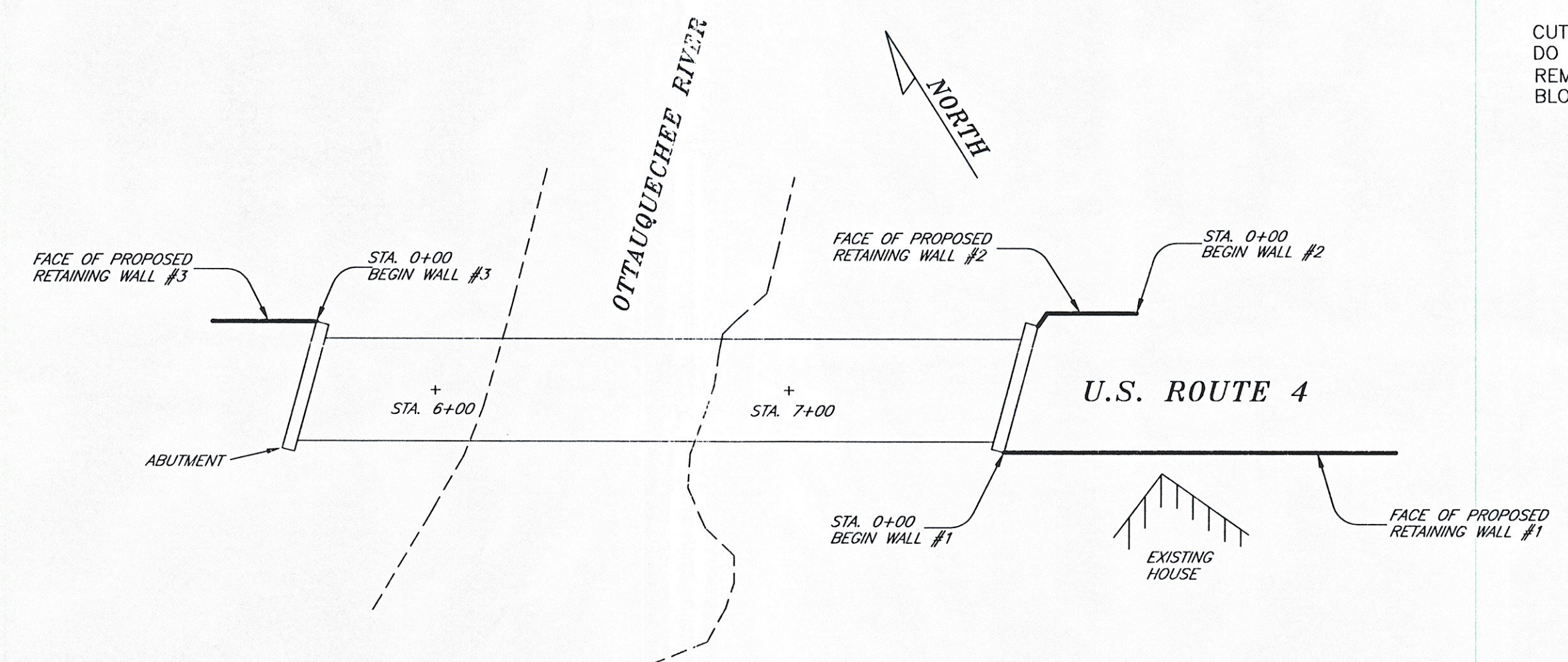
**SOUTHEAST RETAINING WALL SECTION  
STA. 0+26 ±**  
NOT TO SCALE



**CORNER DETAIL  
NORTHEAST WALL, STA. 0+21**  
(NOT TO SCALE)

**NOTES:**

- CARE SHOULD BE TAKEN TO REMOVE ALL ORGANIC MATERIAL FROM THE BASE EXCAVATION FOR THE RETAINING WALL.
  - ENDS OF THE RETAINING WALLS SHALL BE BLENDED INTO THE PROPOSED/EXISTING GRADE IN A MANNER SATISFACTORY TO THE OWNER'S SITE REPRESENTATIVE. AT THE ENDS OF A WALL WHERE BLENDING TAKES PLACE, THE ISSUE IS NOT A STRUCTURAL FACTOR BUT AN AESTHETIC FACTOR AND THE OWNER'S SITE REPRESENTATIVE IS QUALIFIED TO MAKE THIS JUDGEMENT.
  - IF THE PERFORATED WALL DRAIN IS TO BE CARRIED UNDER THE WALL TO OUTLET, IT SHALL BE CARRIED DOWNSLOPE ENOUGH DISTANCE TO ALLOW FOR A PROPER DRAINING SLOPE (MIN. 1/4" PER FOOT FROM WALL TO DAYLIGHT) OR TIED TO A CLOSED DRAINAGE SYSTEM.  
DRAIN LINES (4" HDPE) WHICH PASS UNDER THE WALL BASE SHOULD BE CENTERED UNDER THE BASE BLOCK. THE PIPE TRENCH SHALL BE MINIMIZED SO THAT THE BASE BLOCK ACTS AS A LINTEL OVER THE PIPE AND TRENCH.
  - GEGRID CUT LENGTHS ARE MEASURED FROM THE FRONT FACE OF THE RETAINING WALL. ALL GEGRID IS TO BE PLACED PERPENDICULAR TO THE WALL FACE, I.E. THE GRID ROLL IS PLACED ON THE WALL, ROLLED OUT BEHIND THE WALL, AND CUT TO LENGTH.
  - GUARDRAIL POST INSTALLATION:
    - FOR GUARDRAILS/FENCES INSTALLED WHERE GEGRID IS LESS THAN 19" FROM THE SURFACE, THE SOIL ABOVE THE GEGRID IS TO BE EXCAVATED AND THE GEGRID HAND-CUT. THE HOLE CUT IN THE GRID IS TO BE JUST LARGE ENOUGH FOR THE POST INSTALLATION. IF AUGERING POST HOLES THROUGH GRID LAYERS, THE LAYERS LESS THAN 19" FROM THE SURFACE SHALL BE HAND CUT AS NOTED ABOVE. AUGERING THROUGH GEGRID LAYERS GREATER THAN 19" FROM THE GROUND SURFACE IS ACCEPTABLE.
    - IF THE POSTS ARE TO BE SLEEVED AND SET IN CONCRETE, ALL GRID LAYERS MUST BE HAND CUT, WITH THE CUT HOLES JUST LARGE ENOUGH TO PROVIDE ROOM FOR THE SLEEVE. USE OF A HAND-OPERATED POST-HOLE SHOVEL TO CUT THROUGH GEGRID IS ACCEPTABLE FOR GRID LAYERS DEEPER THAN 15" FROM THE SURFACE.
- EVALUATION OF THE STRUCTURAL CAPABILITIES OF ANY GUARDRAIL OR FENCE SYSTEM INSTALLED AT THIS SITE WAS NOT PART OF THIS DESIGN.



**VICINITY SKETCH**  
(NOT TO SCALE)  
SEE CONSTRUCTION DRAWINGS BY OTHERS

STATE OF VERMONT  
RANDALL H. BRAGDON  
#6788  
CIVIL LICENSED PROFESSIONAL ENGINEER

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New England's  
**SVE**  
Retaining Wall Designers

NOTE: THIS DRAWING WAS PREPARED FOR USE WITH REDI-ROCK (TM) RETAINING WALL SYSTEMS. CONTACT REDI-ROCK WALLS OF NEW ENGLAND AT (603) 863-1000.

**SOUHEGAN VALLEY ENGINEERING, INC.**  
CIVIL ENGINEERING CONSULTANTS SITE DESIGN SPECIALISTS  
434 LEAR HILL ROAD NEWPORT (UNITY), NEW HAMPSHIRE 03773  
TEL: (603) 863-5454 FAX: (603) 863-3629  
Est. 1990 Available On The Web At www.SVEngineering.com

CLIENT: **REDI-ROCK WALLS OF NEW ENGLAND**  
8 REEDS MILL ROAD, NEWPORT, NH 03773

PROJECT: **RT. 4 BRIDGE OVER THE OTTAQUECHEE RIVER**  
WOODSTOCK, VT

SHEET TITLE: **RETAINING WALL DESIGN SHEET 2**

DATE: **MAY 9, 2007** SCALE: **AS SHOWN** PROJECT No.: **07-277**

REVISION #3	6/4/07	REVISED PER 5/31/07 VDOT COMMENTS	EM
REVISION #2	5/24/07	REVISED PER VDOT COMMENTS	EM
REVISION #1	5/15/07	ADD SECTION AT EXISTING HOUSE AND HEADWALL PER CONTRACTOR'S REQUEST	EM

REVISION SET NUMBER: **3**

SHEET 2 OF 2