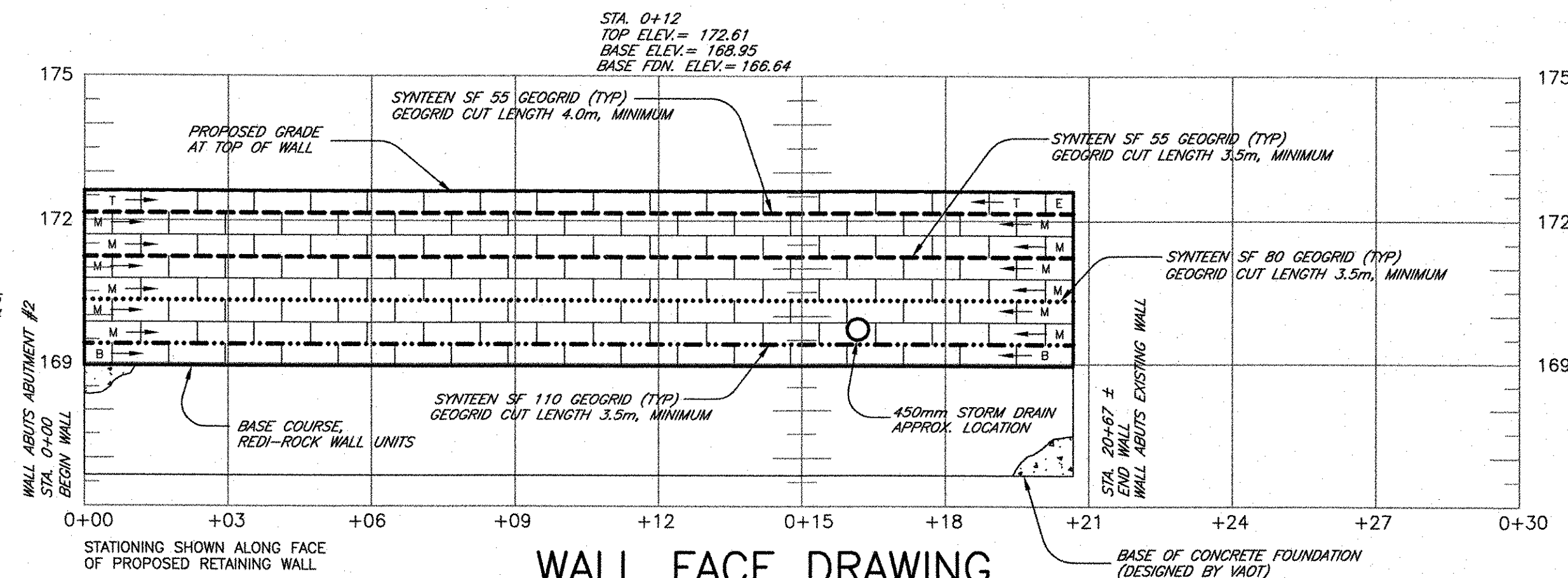


LEGEND

- T TOP BLOCK
- M MIDDLE BLOCK
- B BOTTOM BLOCK
- E END BLOCK
- DENOTES CHANGE IN BLOCK TYPE

STA. 0+00
TOP ELEV.= 172.61
BASE WALL ELEV.= 168.95
BASE FDN. ELEV.= 166.64



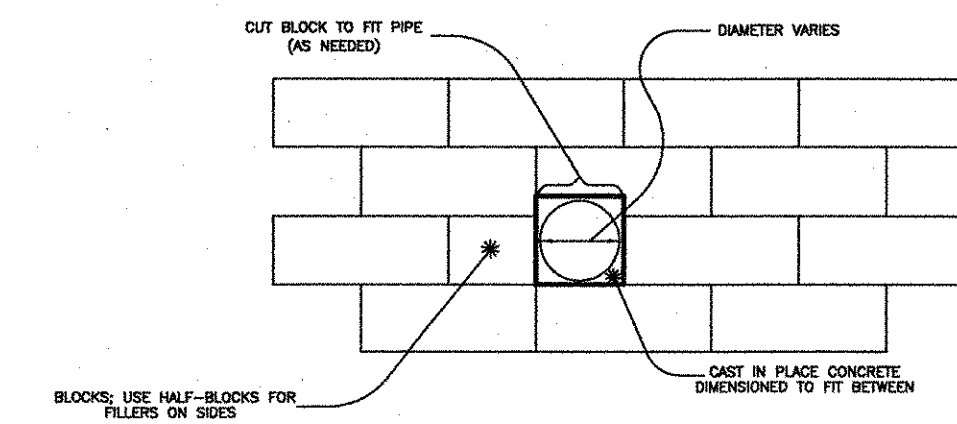
WALL FACE DRAWING

SCALE: 1 : 100
(IN METERS)

NOTE: ALL WALLS WERE DESIGNED USING GRADING INFORMATION PROVIDED BY OTHERS. 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.

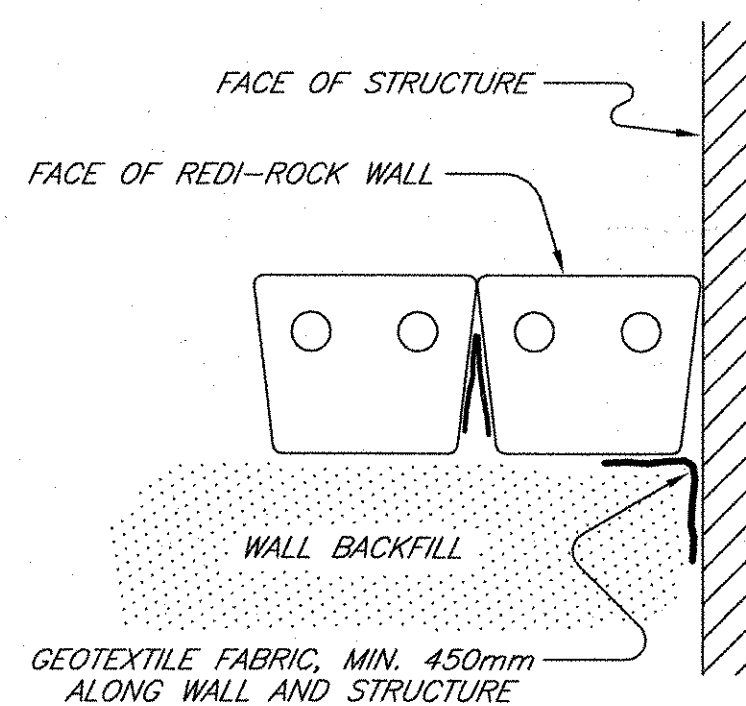
WALL QUANTITIES:

TOP BLOCK - 17	GEOGRID: SYNTEEN SF 55 - 155 SQ. METERS
END BLOCK - 1	SYNTEEN SF 80 - 73 SQ. METERS
MIDDLE BLOCK - 102	SYNTEEN SF 110 - 73 SQ. METERS
1/2 MIDDLE BLOCK - 6	
BASE BLOCK - 17	
1/2 BASE BLOCK - 1	

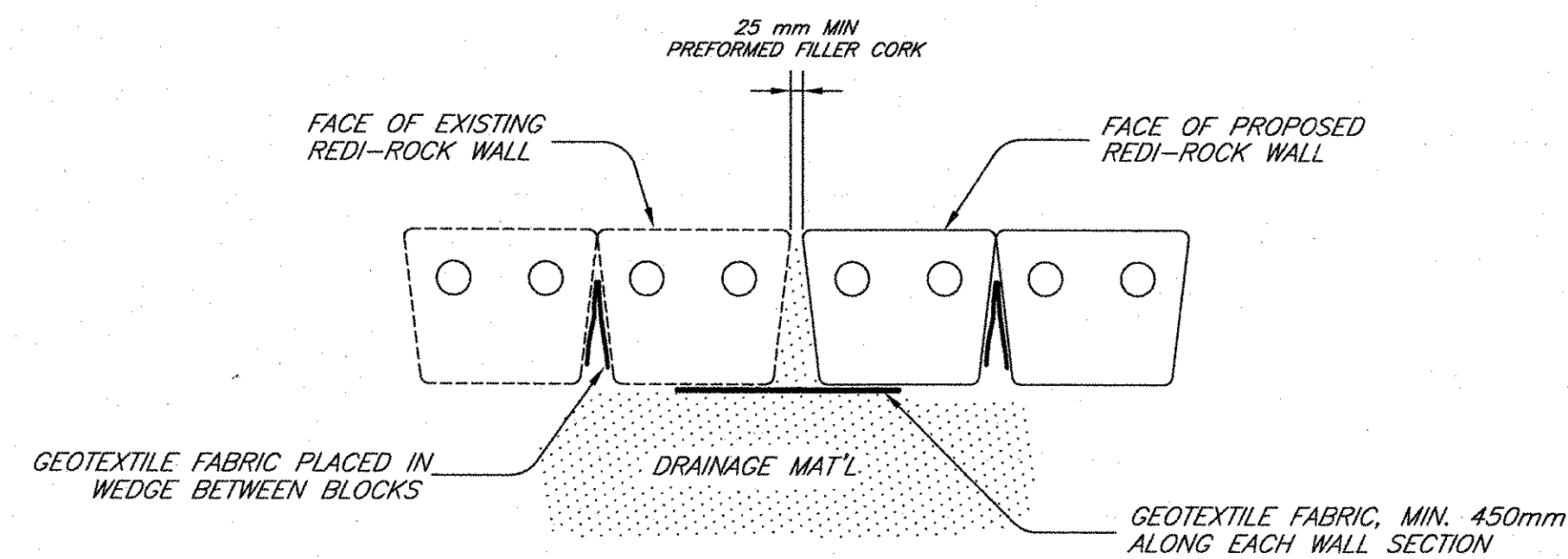


PIPE OUTLET THROUGH WALL FACE TYPICAL DETAIL
(NOT TO SCALE)

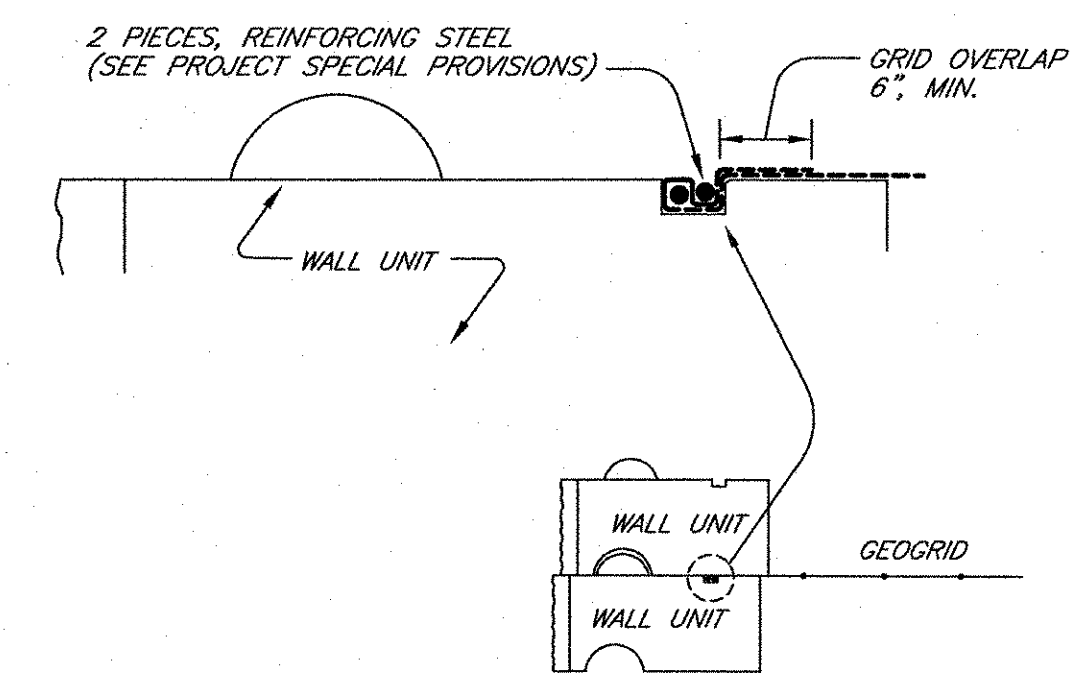
WHERE THE WALL ABUTS A STRUCTURE OR EXISTING WALL, A GEOTEXTILE FABRIC SHALL BE PLACED VERTICALLY ALONG THE SEAM TO PREVENT MIGRATION OF SOILS BETWEEN THE WALL BLOCK AND THE STRUCTURE. THE FABRIC SHOULD EXTEND AT LEAST 450mm ALONG THE STRUCTURE OR EXISTING WALL AND 450mm ALONG THE REAR OF THE PROPOSED WALL BLOCK.



DETAIL WALL ABUTTING STRUCTURE
(NOT TO SCALE)



DETAIL WALL ABUTTING EXISTING WALL
(NOT TO SCALE)



GRID-TO-UNIT CONNECTION DETAIL
(NOT TO SCALE)

NOTES:

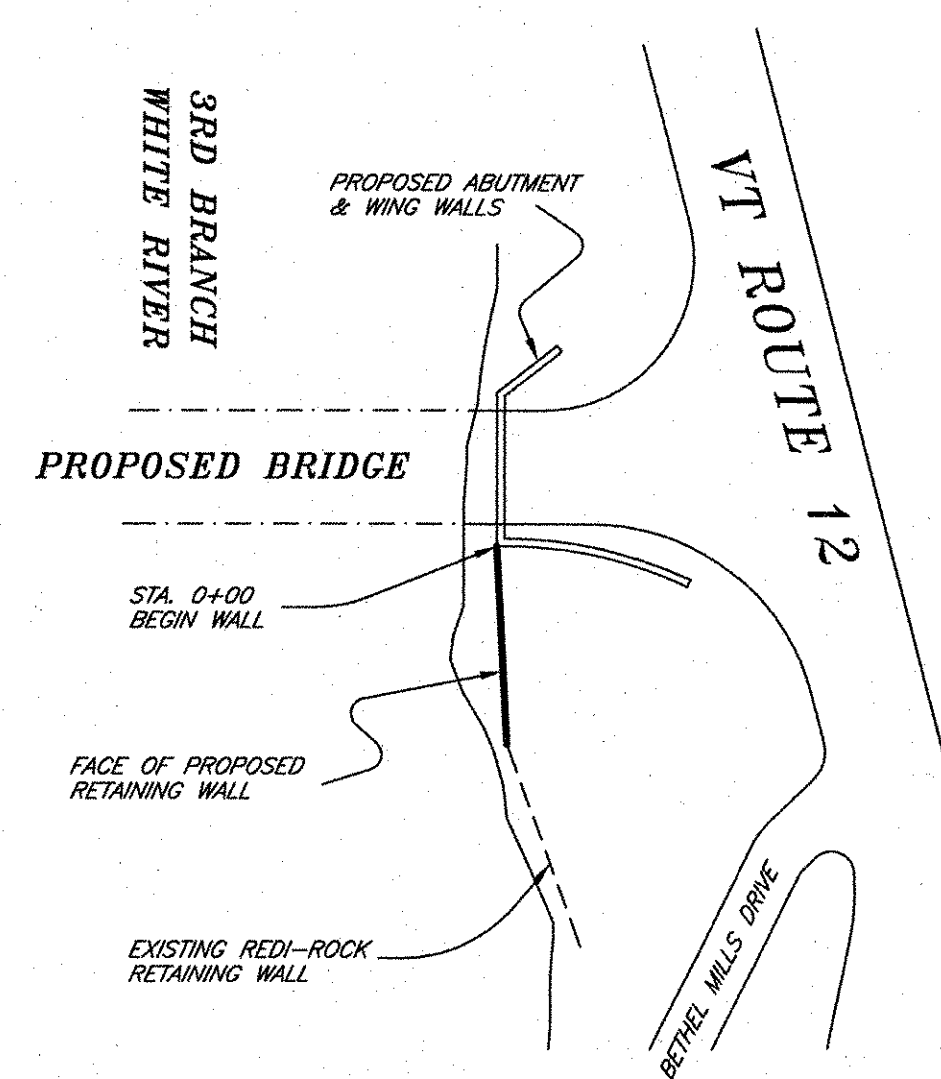
- CARE SHOULD BE TAKEN TO REMOVE ALL ORGANIC MATERIAL FROM THE BASE EXCAVATION FOR THE RETAINING WALL.
- IF THE PERFORATED WALL DRAIN IS TO BE CARRIED UNDER THE WALL TO OUTLET, IT SHALL BE CARRIED DOWNSLOPE ENOUGH DISTANCE TO ALLOW FOR A PROPER DRAINING SLOPE (MIN. 1% SLOPE FROM WALL TO DAYLIGHT) OR TIED TO A CLOSED DRAINAGE SYSTEM.
- DRAIN LINES (102mm 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.
- GEOGRID CUT LENGTHS ARE MEASURED FROM THE FRONT FACE OF THE RETAINING WALL. ALL GEOGRID 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.

CONTRACTOR'S NOTE: THERE ARE THREE (3) DIFFERENT STRUCTURAL TYPES OF SYNTEEN GEOGRID USED IN THESE DESIGNS.

THEY ARE DESIGNATED BY THE SYMBOLS SHOWN BELOW:

- SYNTEEN SF 55 GEOGRID
- SYNTEEN SF 80 GEOGRID
- SYNTEEN SF 110 GEOGRID

NOTE: GEOGRID SUBSTITUTIONS WILL NOT BE ALLOWED WITHOUT WRITTEN APPROVAL OF THE OWNER AND DESIGN ENGINEER



VICINITY SKETCH
(NOT TO SCALE)

SEE CONSTRUCTION DRAWINGS BY OTHERS

RECEIVED
CK'D BY: [Signature] OK'D BY: [Signature]
FEB 08 2007
RESUBMIT: [] APPROVED: []
BY: [Signature] DATE: 12/07



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.
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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: **PROPOSED BRIDGE IMPROVEMENT PROJECT**
BETHEL, VT

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

REVISION #2	1/5/07	REVISE WALL DESIGN TO REFLECT CONCRETE FOUNDATION DESIGNED BY VAOT	ETM
REVISION #1	3/28/05	REVISED WALL DESIGN; MINOR TEXT CHANGES PER VAOT REVIEW	RHB

REVISION SET NUMBER	DATE	SCALE	PROJECT No.:
2	MARCH 7, 2005	AS SHOWN	05-169

SHEET 2 OF 2