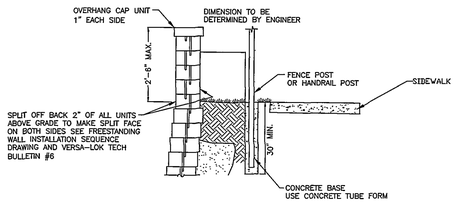
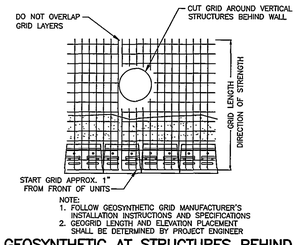


FREESTANDING WALL DETAIL (STRAIGHT WALLS ONLY)

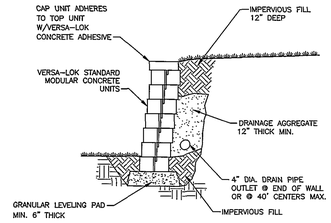
TYPICAL HANDRAIL AND/OR FENCE POST
SCALE: NONE



NOTE:
1. FOLLOW GEOSYNTHETIC GRID MANUFACTURER'S INSTALLATION INSTRUCTIONS AND SPECIFICATIONS
2. GEOGRID LENGTH AND ELEVATION PLACEMENT SHALL BE DETERMINED BY PROJECT ENGINEER

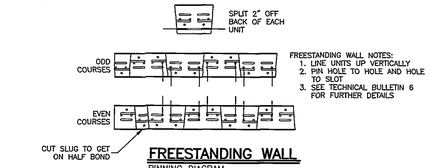
GEOSYNTHETIC AT STRUCTURES BEHIND WALL

SCALE: NONE



TYPICAL SECTION-UNREINFORCED RETAINING WALL

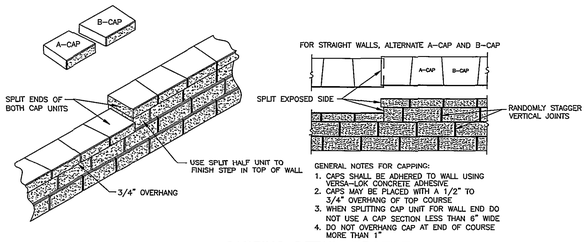
SCALE: NONE



FREESTANDING WALL NOTES:
1. LINE UNITS UP VERTICALLY
2. PIN HOLE TO HOLE AND HOLE TO SLOT
3. SEE TECHNICAL BULLETIN 6 FOR FURTHER DETAILS

FREESTANDING WALL

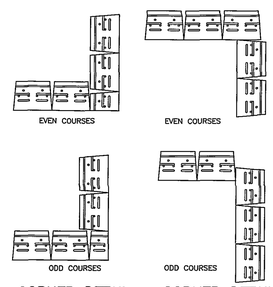
PINNING DIAGRAM
SCALE: NONE



GENERAL NOTES FOR CAPPING:
1. CAPS SHALL BE ADHERED TO WALL USING VERSA-LOK CONCRETE ADHESIVE
2. CAPS MAY BE PLACED WITH A 1/2" TO 3/4" OVERHANG OF TOP COURSE
3. WHEN SPLITTING CAP UNIT FOR WALL END DO NOT USE A CAP SECTION LESS THAN 6" WIDE
4. DO NOT OVERHANG CAP AT END OF COURSE MORE THAN 1"

CAPPING DETAIL-PROFILE

STEP AT TOP OF WALL
SCALE: NONE



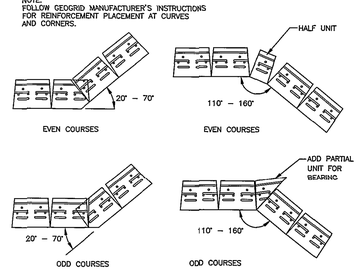
CORNER DETAIL

90° -OUTSIDE
SCALE: NONE

CORNER DETAIL

90° -INSIDE
SCALE: NONE

NOTE:
FOLLOW GEOGRID MANUFACTURER'S INSTRUCTIONS FOR REINFORCEMENT PLACEMENT AT CURVES AND CORNERS.

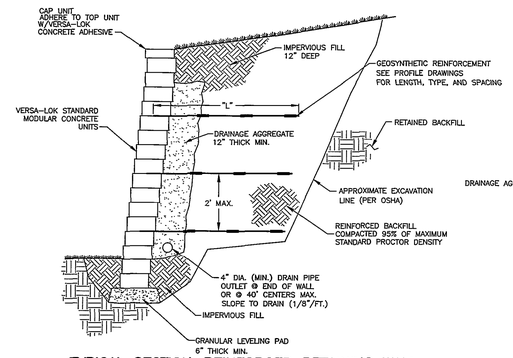


CORNER DETAIL

OBLIQUE ANGLE-OUTSIDE
SCALE: NONE

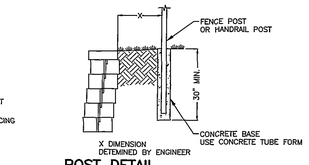
CORNER DETAIL

OBLIQUE ANGLE-INSIDE
SCALE: NONE



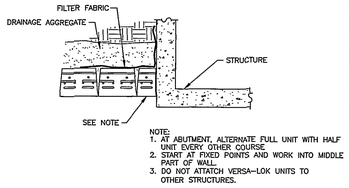
TYPICAL SECTION-REINFORCED RETAINING WALL

MODULAR CONCRETE UNIT
SCALE: NONE



POST DETAIL

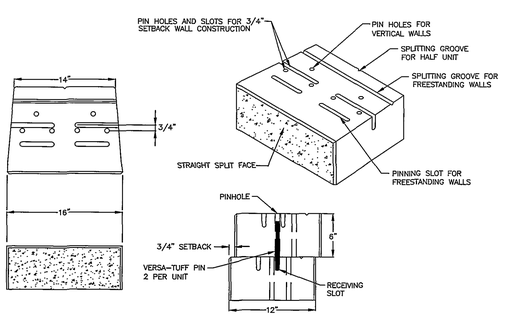
TYPICAL HANDRAIL AND/OR FENCE POST
SCALE: NONE



NOTE:
1. AT ABUTMENT, ALTERNATE FULL UNIT WITH HALF UNIT EVERY OTHER COURSE.
2. START AT FIXED POINTS AND WORK INTO MIDDLE PART OF WALL.
3. DO NOT ATTATCH VERSA-LOK UNITS TO OTHER STRUCTURES.

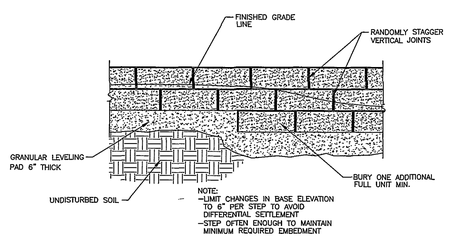
WALL ABUTMENT DETAIL

SCALE: NONE



VERSA-LOK STANDARD UNIT/PINNING

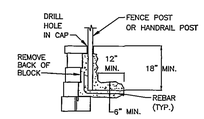
UNIT DIMENSIONS
SCALE: NONE



NOTE:
-UNIT CHANGES IN BASE ELEVATION TO 6" PER STEP TO AVOID DIFFERENTIAL SETTLEMENT
-STEP OFTEN ENOUGH TO MAINTAIN MINIMUM REQUIRED EMBEDMENT

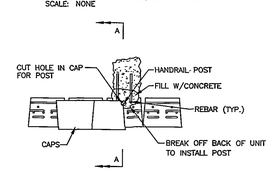
STEPPING BASE DETAIL

SCALE: NONE



POST DETAIL- SECTION A-A

TYPICAL HANDRAIL AND/OR FENCE POST
SCALE: NONE



POST DETAIL- PLAN VIEW

TYPICAL HANDRAIL AND/OR FENCE POST
SCALE: NONE

CWA
CALDWELL WHITE ASSOCIATES
ENGINEERS / SURVEYORS / PLANNERS
4203 MELROSE AVENUE
P.O. BOX 6260
ROANOKE, VIRGINIA 24017-0260
(540) 366-3400
FAX: (540) 366-8702
CWA W.O.: 02-0006
NB: Roanoke City Schools

PERKINS & WILL
Architecture . Interiors . Planning
404.873-2300 fax:404.892.5823
1382 Peachtree Street Atlanta Georgia 30309
Boston . Charlotte/RTP . Chicago . Dallas
Los Angeles . Miami . Minneapolis . New York

Rife + Wood ARCHITECTS
1326 Grandin Road Roanoke, Virginia 24015
(540) 344-6015 fax: (540) 344-5982

In association with:

Caldwell White - Civil Engineers
4203 Melrose Avenue
Roanoke, Virginia 24017
540-366-3400 (p) 540-366-8702 (f)

The Fitch Studio
1740 20th Street, NW
Washinton, DC 20009
202-588-0148 (p) 202-588-0149 (f)

Kinsey Shane & Associates - Architects and Structural Engineers
201 West Main Street
Salem, Virginia 24153
540-389-8655 (p) 540-389-9130 (f)

Lawrence Perry & Associates, Inc Mechanical & Electrical Engineers
30A West Church Avenue
Roanoke, Virginia 24011
540-342-1816 (p) 540-344-3410 (f)

Faassen & Associates - Food Service
8526 Sunflower Drive
Charlotte, North Carolina
204-536-9234 (f)

vanBlaricom & Frantz - Interior Designers
112 West Kirk Avenue
Roanoke, Virginia 24015
540-344-4098 (p) 540-344-4295 (f)

PATRICK HENRY HIGH SCHOOL

PHASE I
School Site Project No. 124-39A
Literary Loan No. 11187

NUMBER	ISSUE	DATE
	ISSUED FOR CONSTRUCTION	04/02/04

Revisions

Copyright © 2004 PERKINS & WILL

COMMONWEALTH OF VIRGINIA
CORBIN L. WHITE
No. 23843
04/02/04
PROFESSIONAL ENGINEER

Sheet Information

Date	04/02/04
Job Number	800200.000
Scale	As Shown
Drawn	C.L. White
Checked	
Approved	

Title

DETAILS - SEGMENTAL RETAINING WALLS

Sheet

C1-404

WWW ID# 78HGUA