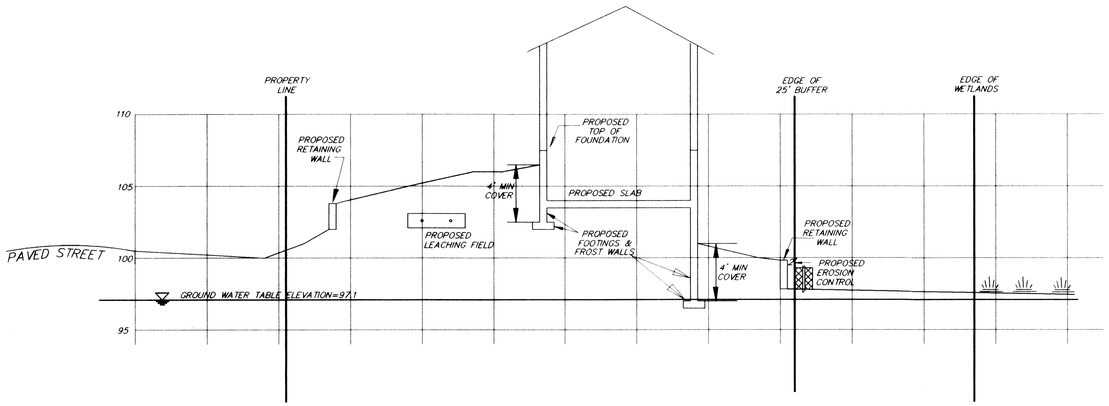
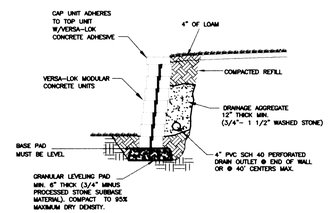


CROSS SECTION THROUGH PROPERTY (A-A)

SCALE:
HORIZONTAL 1"=10'
VERTICAL 1"=5'

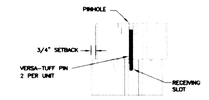


TYPICAL SECTION-UNREINFORCED RETAINING WALL

SCALE: NONE

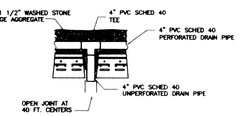
VERSA-TUFF PIN

PIN DIMENSIONS
SCALE: NONE



PINNING DETAIL

CROSS SECTION
SCALE: NONE



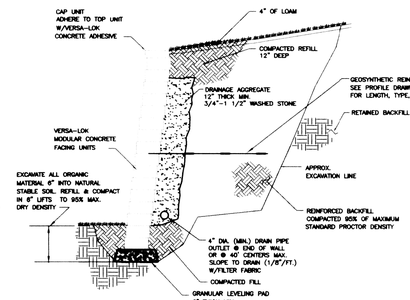
DRAIN DETAIL

WALLS OVER 4'
SCALE: NONE

GENERAL NOTES

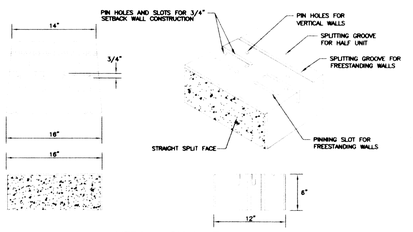
1. STRIP VEGETATION AND ORGANIC SOIL FROM WALL AND GEOSYNTHETIC ALIGNMENT.
2. BENCH CUT ALL EXCAVATED SLOPES.
3. DO NOT OVER EXCAVATE UNLESS DIRECTED BY SITE SOIL ENGINEER TO REMOVE UNSUITABLE SOIL.
4. SITE SOILS ENGINEER SHALL VERIFY FOUNDATION SOILS AS BEING COMPETENT PER THE DESIGN STANDARDS AND PARAMETERS.
5. LEVELING PAD SHALL CONSIST OF COMPACTED 3/4" MINUS PROCESSED STONE SUBBASE MATERIAL.
6. THE CONTRACTOR WILL ENSURE THE LEVELING PAD IS COMPACTED LEVEL PRIOR TO INSTALLING WALL.
7. MINIMUM EMBEDMENT OF WALL BELOW FINISH GRADE SHALL BE 6" FOR WALL HEIGHTS UNDER 4 FT. AND 12" FOR WALLS OVER 4 FT. UNLESS SHOWN DIFFERENTLY. IN ALL CASES THE BOTTOM OF THE EMBEDMENT WILL EXTEND 6" INTO THE NATURAL STABLE SOIL. EXCAVATE ALL ORGANIC MATERIAL AND REFILL TO THE TOP OF THE LEVEL PAD WITH COMPACTED STRUCTURAL REFILL.
8. FOR UNITS TO BE EMBEDDED, COMPACT FILL IN FRONT OF UNITS AT THE SAME TIME FILL BEHIND UNITS IS COMPACTED.
9. DRAINAGE AGGREGATE SHALL BE INSTALLED DIRECTLY BEHIND THE WALL WITHIN 12" OF THE TOP OF THE WALL. DRAINAGE AGGREGATE SHALL NOT EXTEND BELOW FINAL GRADE IN FRONT OF WALL.
10. COMPACTION SHALL BE TO 95% OF MAXIMUM STANDARD PROCTOR DENSITY.(ASTM D-698)
11. COMPACTION TESTS SHOULD BE TAKEN AS THE WALL IS INSTALLED. THE MINIMUM NUMBER OF TESTS SHALL BE DETERMINED BY THE SITE SOILS ENGINEER.
12. COMPACTION WITHIN 3 FT OF WALL SHALL BE LIMITED TO HAND OPERATED EQUIPMENT.
13. SEE ELEVATION DRAWINGS FOR GEOSYNTHETIC TYPE, LENGTH AND LOCATION REQUIRED
14. GEOSYNTHETIC SHALL BE PLACED WITH STRONGEST DIRECTION PERPENDICULAR TO WALL. FOLLOW GEOSYNTHETIC MANUFACTURER'S INSTALLATION INSTRUCTIONS AND WRITTEN SPECIFICATIONS.
15. CONTRACTOR SHALL DIRECT SURFACE RUNOFF TO AVOID DAMAGING WALL WHILE UNDER CONSTRUCTION.
16. ANY SURFACE DRAINAGE FEATURES, FINISH GRADING, PAVEMENT, OR TURF SHALL BE INSTALLED IMMEDIATELY AFTER WALL IS COMPLETED.
17. FOLLOW APPLICABLE PROVISIONS OF THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND WRITTEN SPECIFICATIONS.

IF CONDITIONS ARE DIFFERENT THAN THOSE STATED IN THESE DRAWINGS AND SPECIFICATIONS, THE CONTRACTOR MUST CONTACT ENGINEER PRIOR TO PROCEEDING WITH THE CONSTRUCTION OF THE WALL.



TYPICAL SECTION-REINFORCED RETAINING WALL

MODULAR CONCRETE UNIT
SCALE: NONE



VERSA-LOK UNIT

UNIT DIMENSIONS
SCALE: NONE

NOTE: PRIOR TO CONSTRUCTION, CONTACT RETAINING WALL MANUFACTURER/SUPPLIER (VERSA-LOK OR APPROVED EQUAL) FOR FINAL WALL DESIGN AND SPECIFICATIONS

VERSA-LOK
Retaining Wall Systems
6348 Hwy.36 Suite 1, Oakdale,MN 55128
(612)770-3188 (800)770-4525 fax(612)770-4529

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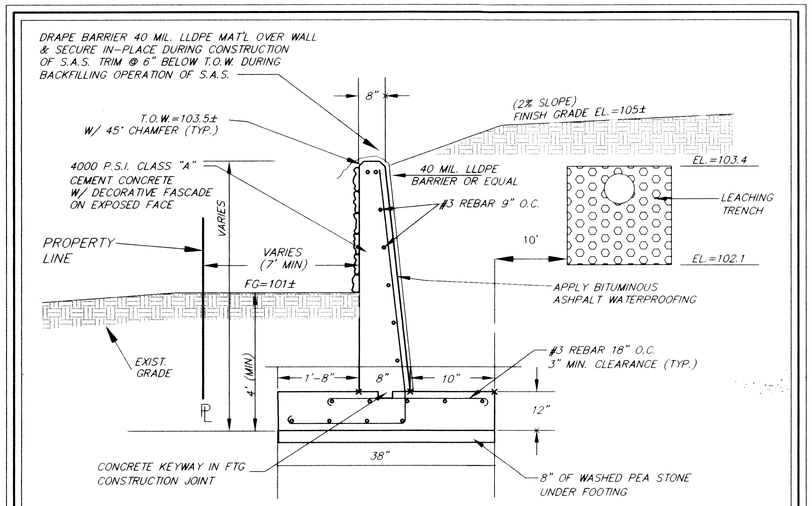
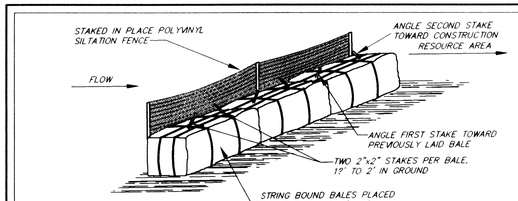


CONCRETE BREAKOUT WALL DETAIL

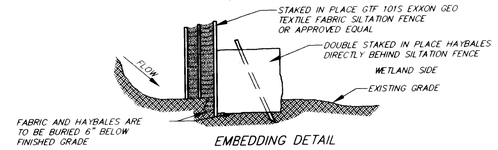
NOT TO SCALE



NOTES:

1. EROSION CONTROL DEVICES ARE TO BE PLACED PRIOR TO CONSTRUCTION AND ARE TO REMAIN IN PLACE UNTIL ALL CONSTRUCTION IS COMPLETED AND NEW SLOPES HAVE BEEN STABILIZED.
2. EROSION CONTROL DEVICES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
3. THE EROSION CONTROL DEVICES SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 6".
4. BALES SHALL BE SECURELY ANCHORED IN PLACE BY WOOD STAKES DRIVEN THROUGH THE BALES. THE FIRST STAKE IN EACH BALE SHALL BE ANGLED TOWARD PREVIOUSLY PLACED BALE. THE SECOND STAKE IN EACH BALE SHALL BE ANGLED TOWARD CONSTRUCTION.
5. INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY. IF BALES DISLODGE, REPLACE AS SPECIFIED ABOVE.
6. PLACEMENT AND APPROVAL OF EROSION CONTROL DEVICES IS TO BE DONE BY THE CONSERVATION COMMISSION PRIOR TO CONSTRUCTION.

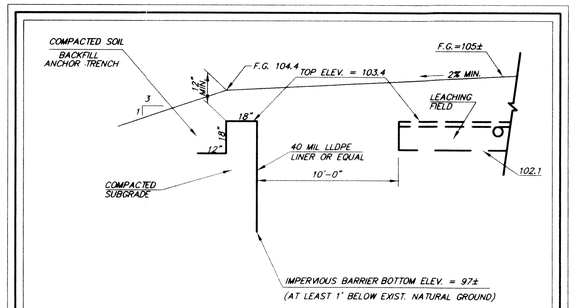
STRAW BALE, SILT FENCE DIKE DETAIL



EMBEDDING DETAIL

EROSION CONTROL MEASURES

NOT TO SCALE



IMPERVIOUS BARRIER DETAIL

NOT TO SCALE

MONARCH BUILDERS
462 WINTHROP ST., REHOBOTH, MA 02769

ON-SITE SANITARY DISPOSAL SYSTEM
LOT 50
GREENWOOD AVE., SEEKONK, MA 02771

Date	Checked	Revision
6/8/04	P.A.M.	PER CONSERVATION COMMISSION
5/28/04	P.A.M.	PER CONSERVATION COMMISSION
3/29/04	P.A.M.	PER CONSERVATION COMMISSION
2/20/04	P.A.M.	PER CONSERVATION COMMISSION

Designed By: SDR
Drawn By: SDR
Checked By: PAM/BJM
Approved By: PAM/BJM

DECEMBER 31, 2003
(REV. THRU 6/8/04)

COMMONWEALTH OF MASSACHUSETTS
PHILIP A. McNULTY
CIVIL
No. 38100
REGISTERED PROFESSIONAL ENGINEER

6-14-04

HAYWARD-BOYNTON & WILLIAMS, INC.
LAND SURVEYORS CIVIL ENGINEERS
178 NORTH MAIN ST., ATTLEBORO, MA
TEL.(508)226-1302 FAX.(508)222-8892

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