

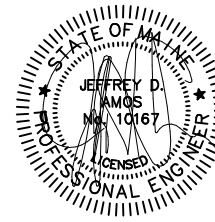


SurveyWorks, Inc.

Land Use Consultants

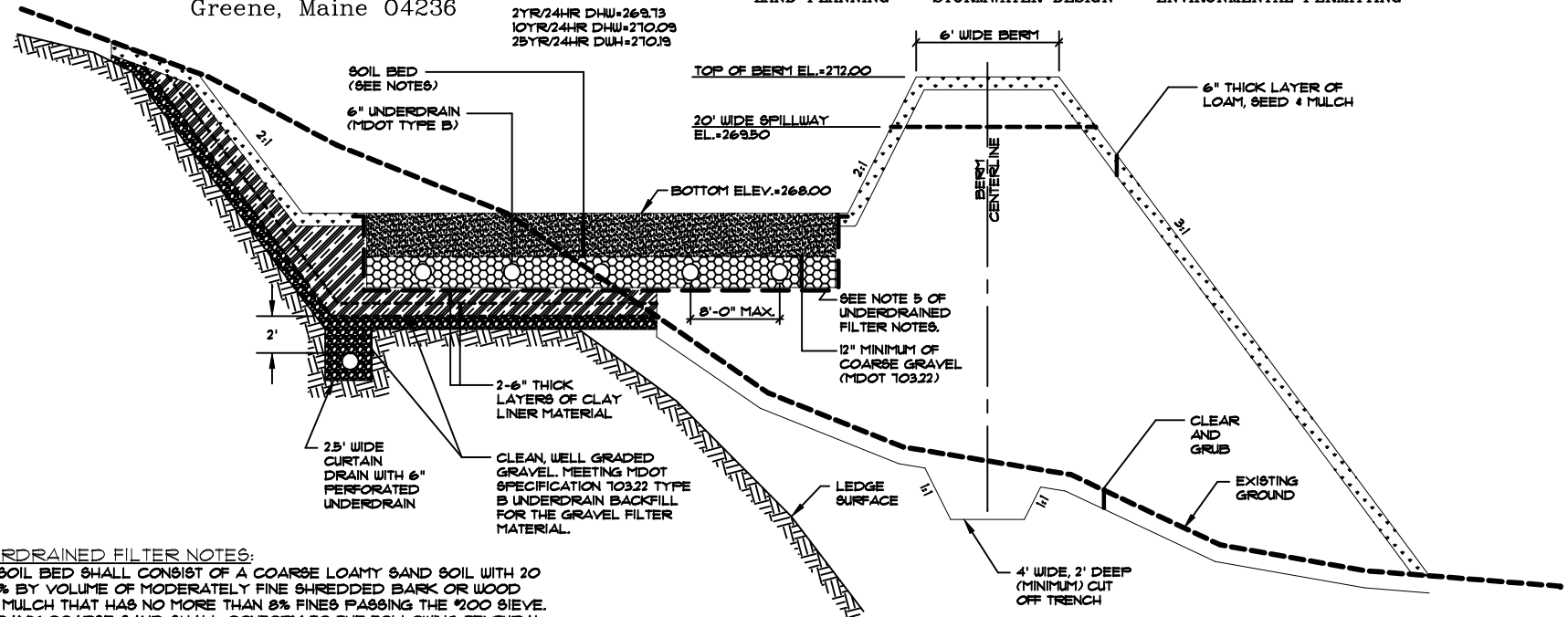
528 River Road
Greene, Maine 04236

2YR/24HR DHW=269.73
10YR/24HR DHW=270.09
25YR/24HR DHW=270.19



TERRADYN CONSULTANTS L.L.C.

LAND PLANNING STORMWATER DESIGN ENVIRONMENTAL PERMITTING



UNDERDRAINED FILTER NOTES:

1. THE SOIL BED SHALL CONSIST OF A COARSE LOAMY SAND SOIL WITH 20 TO 30% BY VOLUME OF MODERATELY FINE SHREDDED BARK OR WOOD FIBER MULCH THAT HAS NO MORE THAN 8% FINES PASSING THE #200 SIEVE. THE LOAMY COARSE SAND SHALL CONFORM TO THE FOLLOWING TEXTURAL SPECIFICATIONS:

- SIEVE #10 - 85-100 PERCENT PASSING
- SIEVE #20 - 70-100 PERCENT PASSING
- SIEVE #60 - 15-40 PERCENT PASSING
- SIEVE #200 - 8-12 PERCENT PASSING

2. THE SOIL BED SHALL BE 18 INCHES IN DEPTH AND UNDERLAIN BY A MINIMUM 12 INCH DEPTH OF COARSE GRAVEL.
3. COMPACTION OF THE SOIL BED MATERIAL SHALL BE AVOIDED. IF COMPACTION OCCURS, ROTOTILL AGAIN PRIOR TO SEEDING.
4. A DENSE COVER OF GRASS SHALL BE ESTABLISHED AND MAINTAINED ON THE SURFACE TO PREVENT CLOGGING.
5. PLACE NON WOVEN GEOTEXTILE FABRIC (MIRIFI 600 X OR APPROVED EQUAL) ON ALL SIDES AND BOTTOM OF SOIL & GRAVEL FILTER AREA.
6. THE FILTER MEDIA SHALL NOT BE PLACED UNTIL ALL UPSTREAM AREAS HAVE BEEN PERMANENTLY STABILIZED.

EMBANKMENT CONSTRUCTION NOTES:

1. CONSTRUCTION OF COMMON BORROW MATERIAL MEETING MDOT SPECIFICATION
2. PLACE COMMON BORROW MATERIAL IN 12" LIFTS COMPACTED TO 95% MAXIMUM DRY DENSITY.
3. INSTALL RIPRAP AND EROSION CONTROL MESH WHERE SPECIFIED ON PLANS.
4. LOAM, SEED AND STABILIZE IN ACCORDANCE WITH SEDIMENTATION AND EROSION CONTROL PLAN.

CLAY LINER SPECIFICATIONS

PROPER	TEST	THOD	UNIT	SPECIFICATION
PERMEABILITY	ASTM D-34		M/SEC X 10 ⁻⁶	
PLASTICITY INDEX OF CLAY	ASTM D-423/4		%	NOT LESS THAN 15
LIQUID LIMIT OF CLAY	ASTM D-2		%	NOT LESS THAN 30
CLAY PARTICLES PASSING	ASTM D-4		%	NOT LESS THAN 30
CLAY COMPACTION	ASTM D-2		%	95% OF STANDARD PROCTOR DENSITY

UNDERDRAINED SOIL FILTER BASIN CROSS SECTION

NOT TO SCALE

SUPPLEMENTAL SUBMISSION

PORTION OF DETAIL SHEET 2 REVISION DATE APRIL 15, 2010.

REVISED UNDERDRAINED SOIL FILTRATION BASIN CROSS SECTION TO ADD CLAY LINER SPECIFICATIONS