PERMANENT SEEDING MIXTURES

MODERATE TO STEEP SLOPES AND LOW MAINTENANCE AREAS EMPIRE BIRDSFOOT TREFOIL TALL FESCUE 20 LBS/ACRE RYEGRASS 5 LBS/ACRE

GENERAL RECREATION AREAS AND LAWNS

APPLICATION RATE <u>SUNNY SITES</u> (WELL, MODERATELY WELL AND SOMEWHAT POORLY DRAINED SOILS) 65% KENTUCKY BLUEGRASS BLEND 85-114 LBS/ACRE 20% PERENNIAL RYEGRASS 26-35 LBS/ACRE

15% FINE FESCUE 19-26 LBS/ACRE SUNNY DROUGHTY SITES (SOMEWHAT TO EXCESSIVELY DRAINED SOILS)

114-143 LBS/ACRE 65% FINE FESCUE 15% PERENNIAL RYEGRASS 26-33 LBS/ACRE 20% KENTUCKY BLUEGRASS BLEND 35-44 LBS/ACRE

SHADY DRY SITES (WELL TO SOMEWHAT POORLY DRAINED SOILS) 80% SHADE TOLERANT KENTUCKY BLUEGRASS BLEND 105-138 LBS/ACRE

20% PERENNIAL RYEGRASS 25-37 LBS/ACRE SHADY WET SITES (SOMEWHAT POOR TO POORLY DRAINED SOILS) 70% ROUGH BLUEGRASS 60-91 LBS/ACRE 80% SHADE TOLERANT KENTUCKY 25-39 LBS/ACRE

SITE PREPARATION

BLUEGRASS BLEND

A. INSTALL NEEDED WATER AND EROSION CONTROL MEASURES AND BRING AREA TO BE SEEDED TO

- DESIRED GRADES USING A MINIMUM OF 4" OF TOPSOIL B. PREPARE SEED BED BY LOOSENING SOIL TO A DEPTH OF 4-6 INCHES
- C. LIME TO A pH OF 6.5
- D. FERTILIZE PER SOIL TESTS, OR, IF FERTILIZER IS TO BE APPLIED BEFORE SOIL TESTS, APPLY 850 POUNDS OF 5-10-10 OR EQUIVALENT PER ACRE (20 LBS. / 1000 SQ. FT.) E. INCORPORATE LIME AND FERTILIZER IN TOP 2-4 INCHES OF SOIL F. SMOOTH. REMOVE ALL STONES OVER 1" IN DIAMETER, STICKS AND FOREIGN MATTER. FIRM SEED BED.

SLOPE STABILIZATION,

SEEDING METHOD & MULCHING

G. APPLY SEED PER PERMANENT SEEDING SCHEDULE.

SLOPES OF 4:1 OR GREATER (HORIZONTAL: VERTICAL)

SLOPES SHALL BE HYDROSEEDED WITH THE MIXTURES AND RATES INDICATED IN THE PERMANENT SEEDING MIXTURE SCHEDULE. STRAW OR HAY MULCH SHALL BE APPLIED AT A RATE OF 2 TONS/ACRE. STRAW OR HAY MULCH SHALL BE ANCHORED WITH BioD-Mesh60 NETTING AS MANUFACTURED BY ROLANKA INTERNATIONAL OR APPROVED EQUIVALENT.

GENTLE SLOPES AND FLAT AREAS AREAS SHALL BE SEEDED BY HYDROSEEDING OR BROADCASTING WITH THE MIXTURES AND RATES INDICATED ON THE PERMANENT SEEDING MIXTURE SCHEDULE. HYDROSEEDED AREAS SHALL BE MULCHED WITH A WOOD FIBER MULCH APPLIED AT A RATE OF 500 LBS/ACRE.

BROADCAST AREAS SHALL MULCHED WITH HAY OR STRAW AT A RATE OF TONS/ACRE. AREAS SEEDED BY BROADCASTING SHALL BE LIGHTLY

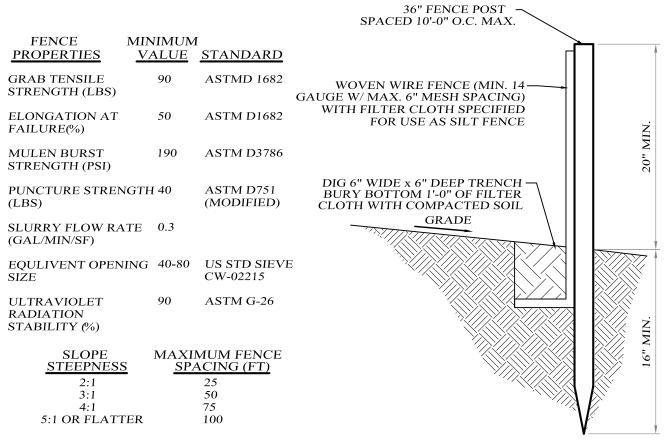
NETTING TO BE INSTALLED PER MANUFACTURER SPECIFICATIONS.

TEMPORARY SEEDING SPECIFICATIONS

AREAS REMAINING DISTURBED FOR 14 DAYS OR MORE SHALL BE STABILIZED AS FOLLOWS: SCARIFY SOILS IF COMPACTED, LIME TO pH OF 6.0 IF REQUIRED, FERTILIZE WITH 600 LBS/ACRE 5-10-10 FERTILIZÉR IF REQ., SEED WITH SPÈCIES AND RATE SHOWN BELOW, MULCH WITH HAY OR STRAW AT A RATE OF 2 TONS/ACRE, ANCHOR MULCH WITH NETTING OF WOOD FIBER OR JUTE IF STEEP SLOPE OR HIGH POTENTIAL FOR EROSION.

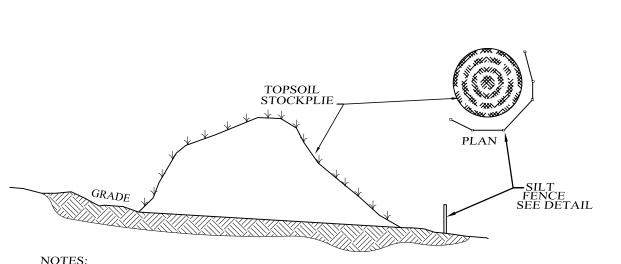
RYEGRASS (ANNUAL OR PERENNIAL) RYEGRASS (ANNUAL OR PERENNIAL)
(USE WINTER RYE IF SEEDING IN OCT./NOV.)
(0.7 LBS/1000 SF)

WELL SEAL - MARTINSON LP-6



- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
 WOOD POSTS SHALL BE OF SOUND QUALITY HARDWOOD WITH A MINIMUM CROSS SECTIONAL AREA OF 3.0 SQUARE INCHES.
- 3. STEEL POSTS WILL BE STANDARD "T" AND "U" SECTION WEIGHING NOT LESS
- THAN 1.00 POUND PER LINEAR FOOT. 4. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6"
- MAXIMUM MESH OPENING.
- 5. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUAL.
- 6. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUAL 7. ALL SILT FENCES SHALL RUN PARALLEL TO THE CONTOUR OF THE LAND.
- 8. ALL SILT FENCEING SHALL MEET THE MINIMUM REQUIREMENTS AS STATED UNLESS OTHERWISE NOTED AND APPROVED BY THE BUILDING INSPECTOR AND ENGINEER.
- 9. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL SHALL BE REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE

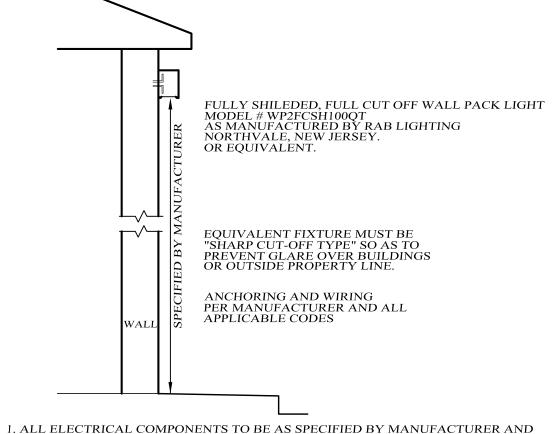
FILTER FABRIC SILT FENCE DETAIL



1. TOPSOIL STOCKPILE TO BE BE SEEDED AS PER THE TEMPORARY SEEDING SPECIFICATIONS.

TOPSOIL STOCKPILE DETAIL

2. SILT FENCE TO BE INSTALLED DOWN GRADIENT OF STOCKPILE



– 30' MIN. FOR INDIVIDUAL DRIVEWAY —

COMPACTED SUBGRADE

- 30' MIN. FOR INDIVIDUAL DRIVEWAY

(50' MIN. FOR ROAD)

<u>PLAN</u>

CONSTRUCTION SPECIFICATIONS:

1. ENTRANCE SHALL BE MAINTAINED AS CONDITIONS DEMAND TO PREVENT TRACKING OF SEDIMENT ONTO PUBLIC R.O.W. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACTED

SHALL BE AT LEAST 24' x 50' FOR THE ROAD ENTRANCE AND 12' x 30' FOR DRIVEWAYS, AND SHALL BE PLACED ON

3. A FILTER CLOTH WILL BE PLACED OVER THE ENTIRE AREA PRIOR

4. ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED BENEATH THE ENTRANCE

5. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES

STABILIZED CONSTRUCTION ENTRANCE DETAIL

COMPACTED SUB-GRADÉ

TO PLACING OF STONE

WILL BE PERMITTED.

ONTO PUBLIC R.O.W. MUST BE REMOVED IMMEDIATELY. 2. A CRUSHED STONE, VEHICLE WHEEL-CLEANING BLANKET WILL BE INSTALLED WHERE A CONSTRUCTION ACCESS ROAD INTERSECTS ANY PAVED ROADWAY. THE BLANKET SHALL BE

PROFILE

FILTER CLOTH -

12' MIN. FOR DRIVEWA

(24' MIN. FOR ROAD)

6" THICKNESS OF 1" - 4" CRUSHED STONE

(50' MIN. FOR ROAD)

EXISTING

PAVEMENT

10.0' MIN.

10.0' MIN.

PAVEMENT

1. ALL ELECTRICAL COMPONENTS TO BE AS SPECIFIED BY MANUFACTURER AND INSTALLED IN CONFORMANCE WITH ALL APPLICABLE BUILDING CODES.

2. REFER TO LIGHTING PLAN PROVIDED BY RAB LIGHTING FOR FIXTURE LOCATIONS, MOUNTING HEIGHTS AND PHOTOMETRICS.

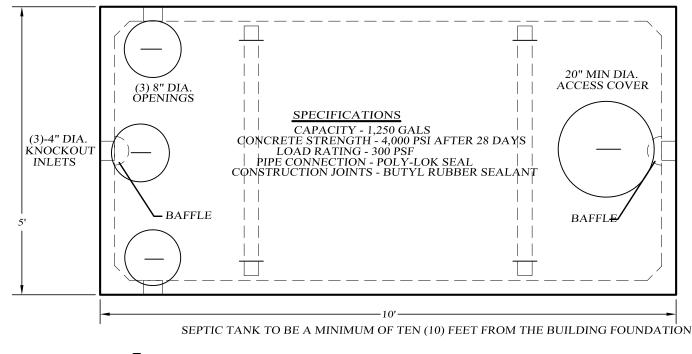
WALL MOUNTED LIGHT DETAIL

24" MIN. ABOVE 100 YEAR FLOOD LEVEL SLOPE TO DRAIN AWAY FROM WELL — ELECTRICAL SERVICE CAMPBELL MANUFACTURING B-10 XLF PITLESS ADAPTER - GROUT SEAL 1-1/2" THICK PORTLAND CEMENT TO 40' MIN. - 6" STEEL WELL CASING TO A 10" FOR WELDED PIPE 12" FOR COUPLED PIPE END OF CASING FIRMLY SEATED MINIMUM 20' INTO – ROCK. LIMIT OF GROUT. SUBMERSIBLE PUMP I. WELL CONSTRUCTION TO CONFORM TO NYS HEALTH DEPARTMENT RURAL WATER LATEST EDITIONS. MINIMUM YIELD 5 GPM 2. INSTALL TOP OF CASING MINIMUM 24" ABOVE ANY FLOOD LEVEL.

WELL DETAIL

WATER SYSTEM NOTES

- 1. WELL CONSTRUCTION SHALL CONFORM TO THE MINIMUM STANDARDS SET FORTH BY THE N.Y.S. DEPARTMENT OF HEALTH FOR RURAL WATER SUPPLY.
- 2. SOFTENING OF HARD WATER WELL IS AT THE DISCERTION OF THE HOMEOWNER AND SHOULD BE CONSIDERED ONLY IF EXCESSIVE HARDNESS IS FOUND.
- (GREATER THAN 150 MG/L). 3. THE LOCATION OF WELLS AND SEPTIC FIELDS SHALL NOT BE CHANGED.
- 4. FOOTING DRAINS WITHIN 25 FEET OF A WELL SHALL BE WATERTIGHT.
- 5. WELLS MUST BE INSTALLED AT LEAST 100 FEET FROM ALL SEPTIC SYSTEMS AND 200 FEET FROM ANY SEPTIC SYSTEM WHICH IS UPHILL FROM THE WELL. 6. WELL CASING IS TO BE INSTALLED 20 FEET INTO IMPERVIOUS BEDROCK.
- 7. WELL CASING ABOVE GRADE SHALL BE A MINIMUM OF 24" ABOVE THE 100 YEAR FLOOD LEVEL.



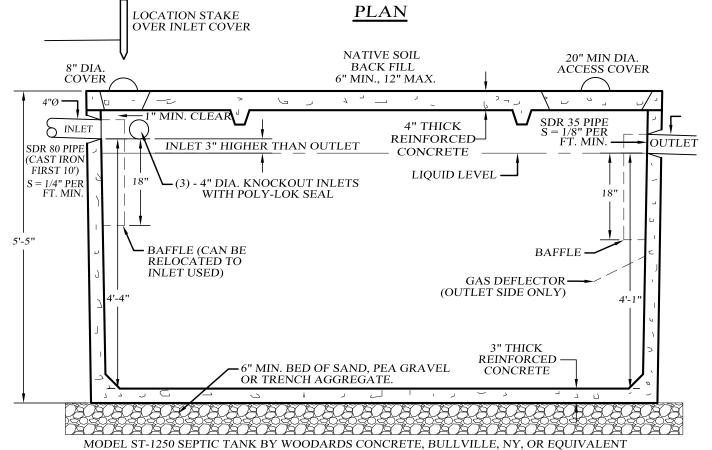
2" THICK MIN. PAVED DRIVE TO 25' FROM EDGE OF EXISTING PAVEMENT LINE OR BEYOND.

2" MIN. BASE OF R.O.B. GRAVEL SHALE, ITEM 4, OR EQUIVALENT

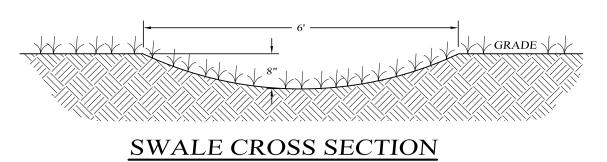
RESIDENTIAL DRIVEWAY DETAIL

CROSS SECTION

SECTION STABILIZED SLOPE—



SECTION SEPTIC TANK DETAIL



NOT TO SCALE THE SWALES SHALL UTLIZE THE PERMANENT SEEDING MIXTURES SLOPE STABILIZATION AND SEEDING METHODS AS NOTED

THIS SHEET SHALL BE CONSIDERED INCOMPLETE AND INVALID UNLESS ACCOMPANIED BY SHEETS NUMBER 1 THRU 2 IN THE SET OF 2. Lands of SAPANARO TOWN OF CHESTER, ORANGE COUNTY, NEW YORK PROJECT TITLE SITE **DETAILS** DRAWING TITLE KIRK ROTHER, P.E. CONSULTING ENGINEER, PLLC 5 Saint Stephens Lane, Warwick, NY 10990 (845) 988-0620 09-29-20 REV. PLANNING BOARD SUBMITTIAL 03-03-20 INITIAL PREPARATION

NOTE CONTACT UNDERGROUND FACILITIES PROTECTION ORGANIZATION 3 DAYS PRIOR TO CONSTRUCTION @"DIG SAFELY N.Y. 800-962-7962".

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