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 SUNNY SITES (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) 65% FINE FESCUE 114-143 LBS/ACRE 15% PERENNIAL RYEGRASS 26-33 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 BLUEGRASS BLEND

SITE PREPARATION

20% KENTUCKY 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.

35-44 LBS/ACRE

F. SMOOTH. REMOVE ALL STONES OVER 1" IN DIAMETER, STICKS AND FOREIGN MATTER. FIRM SEED BED. G. APPLY SEED PER PERMANENT SEEDING SCHEDULE.

SLOPE STABILIZATION,

SEEDING METHOD & MULCHING

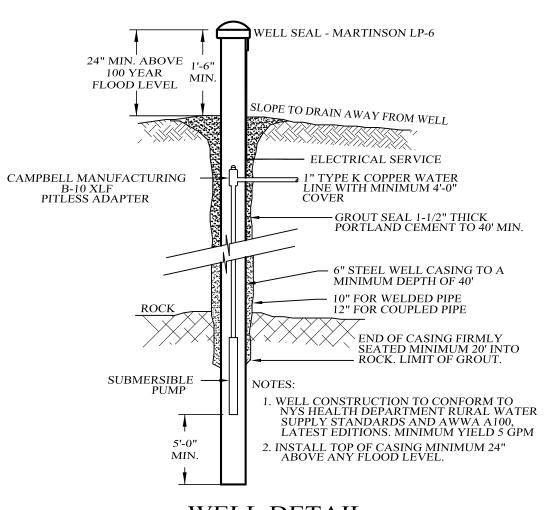
SLOPES OF 4:1 OR GREATER (HORIZONTAL:VERTICAL) SLOPES SHALL BE HYDROSEEDED WITH THE MIXTURES AND RATES INDICATED IN THE PERMANENT SEEDING MIXTURE SCHEDULE. STRAW OR HAY MULCH SHALL BE APPLIED AT A RATE OF 2 TONS/ACRE.
STRAW OR HAY MULCH SHALL BE ANCHORED WITH BioD-Mesh60 NETTING AS MANUFACTURED BY ROLANKA INTERNATIONAL OR APPROVED EQUIVALENT NETTING TO BE INSTALLED PER MANUFACTURER SPECIFICATIONS.

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 2 TONS/ACRE. AREAS SEEDED BY BROADCASTING SHALL BE LIGHTLY

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 FERTILIZER IF REQ., SEED WITH SPECIES 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.)

30 LBS/ACRE
(0.7 LBS/1000 SF)



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).

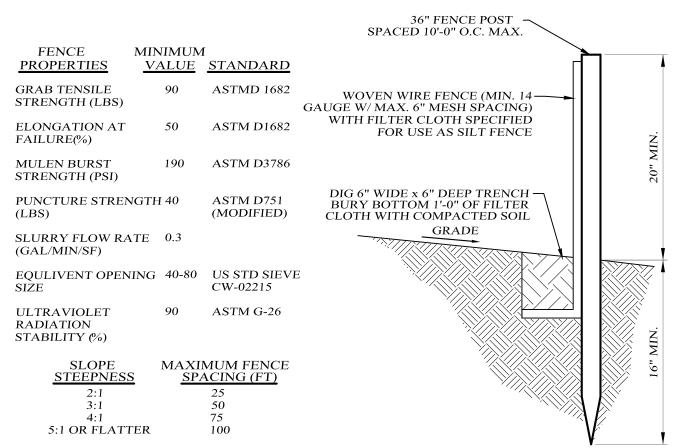
3. THE LOCATION OF WELLS AND SEPTIC FIELDS SHALL NOT BE CHANGED.

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

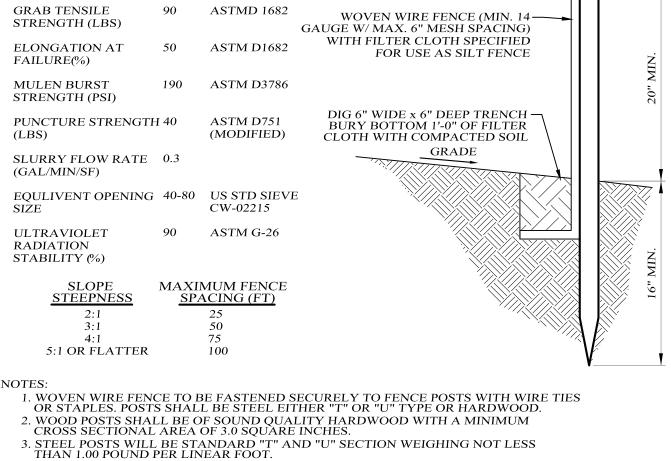
6. WELL CASING IS TO BE INSTALLED 20 FEET INTO IMPERVIOUS BEDROCK.

7. WELL CASING ABOVE GRADE SHALL BE A MINIMUM OF 24" ABOVE THE 100 YEAR FLOOD LEVEL.



- 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

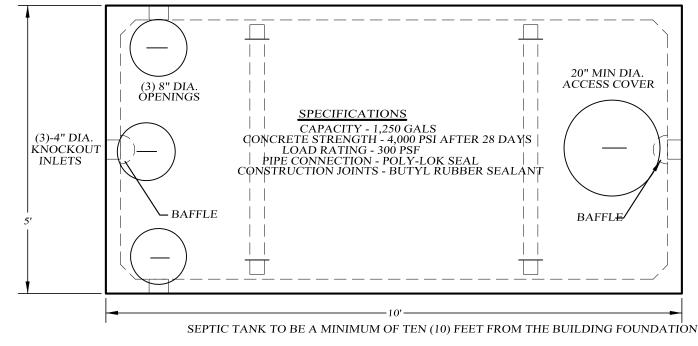
FILTER FABRIC SILT FENCE DETAIL

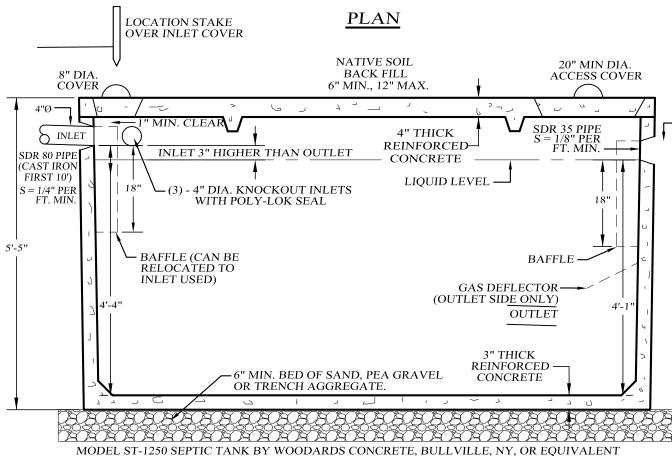


TOPSOIL STOCKPLIE

1. TOPSOIL STOCKPILE TO BE BE SEEDED AS PER THE TEMPORARY SEEDING SPECIFICATIONS. 2. SILT FENCE TO BE INSTALLED DOWN GRADIENT OF STOCKPILE

TOPSOIL STOCKPILE DETAIL





SECTION SEPTIC TANK DETAIL

> *NOTE* CONTACT UNDERGROUND FACILITIES PROTECTION ORGANIZATION 3 DAYS PRIOR TO CONSTRUCTION (

"DIG SAFELY N.Y. 800-962-7962".

ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS NOTES:

- 1. NO SITE PREPARATION OR CONSTRUCTION, INCLUDING UTILITY CONNECTIONS, SHALL COMMENCE UNTIL A VALID HIGHWAY WORK PERMIT HAS BEEN SECURED FROM THE ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS UNDER SECTION 136
- OF THE HIGHWAY LAW. 2. THE VEGETATIVE DRIP EDGE, AT MATURITY, SHALL NOT PROJECT INTO THE

FULLY SHILEDED, FULL CUT OFF WALL PACK LIGHT

MODEL # WP2FCSH100QT AS MANUFACTURED BY RAB LIGHTING NORTHVALE, NEW JERSEY. OR EQUIVALENT.

EQUIVALENT FIXTURE MUST BE

ANCHORING AND WIRING PER MANUFACTURER AND ALL APPLICABLE CODES

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

WALL MOUNTED LIGHT DETAIL

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

"SHARP CUT-OFF TYPE" SO AS TO PREVENT GLARE OVER BUILDINGS OR OUTSIDE PROPERTY LINE.

COUNTY R.O.W.. 3. NO SIGNS SHALL BE PLACED WITHIN, OR PROJECT INTO, THE COUNTY R.O.W.

√ GRADE √ \

SWALE CROSS SECTION

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 3 IN THE SET OF 3.

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

10-08-20 REV. ADD COUNTY ENTRANCE DETAILS 09-29-20 REV. PLANNING BOARD SUBMITTIA 03-03-20 INITIAL PREPARATION KIRK ROTHER, P.E. NO.S LICO NO. 07905 DATE REVISIONS

UNAUTHORIZED ALTERATIONS OR ADDITIONS TO A DOCUMENT BEARING THE SEAL OF A LICENSED PROFESSIONAL ENGINEER IS A VIOLATION OF SECTION 7203, SOSSINGER 137...

2 OF THE NEW YORK STATE EDUCATION LAW. REPRODUCTIONS OF THIS PLAN WHICH CAD # 20104 A LICENSED PROFESSIONAL ENGINEER IS A VIOLATION OF SECTION 7209, SUBDIVISION N.A. DO NOT BEAR THE ORIGINAL SEAL OF A LICENSED PROFESSIONAL ENGINEER SHALL BE CONSIDERED INVALID. AS SHOWN