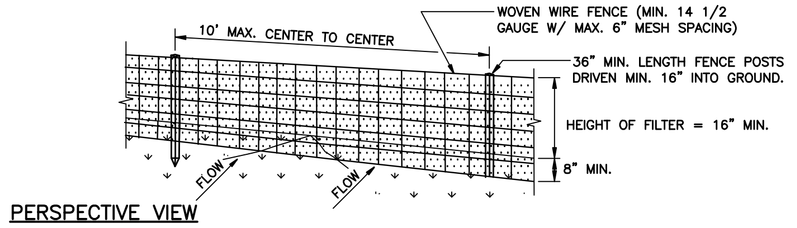
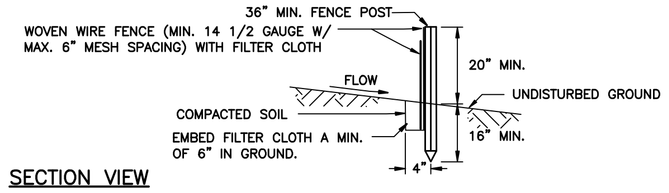


PERSPECTIVE VIEW



SECTION VIEW

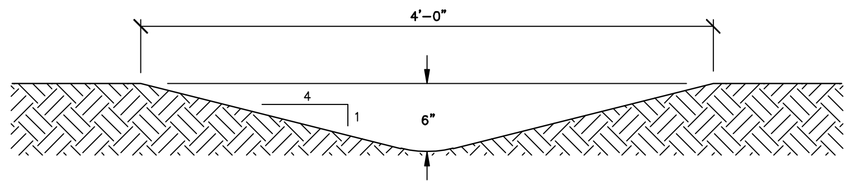
CONSTRUCTION SPECIFICATIONS

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "I" OR "U" TYPE OR HARDWOOD.
2. 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, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

SILT FENCE

SCALE: NTS

1 C-2



GRASS LINED SWALE

SCALE: NTS

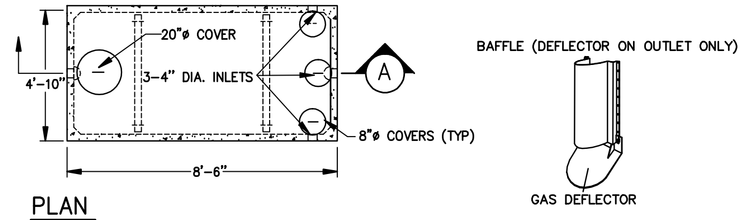
2 C-2

REQUIRED SEPARATION DISTANCES FROM WASTEWATER SYSTEM COMPONENTS:

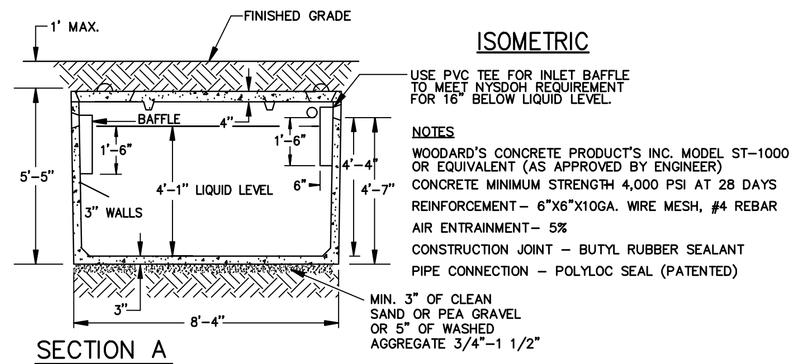
SYSTEM COMPONENTS (WATERTIGHT JOINTS)	WELL (f) OR SUCTION LINE 25' IF CAST IRON OR PVC WITH O-RING JOINTS, 50' OTHERWISE	TO STREAM, LAKE WATER COURSE (b), OR WETLAND 25'	DWELLING 3'	PROPERTY LINE 10'	DRAINAGE DITCH (b), (g) ---
SEPTIC TANK	50'	50'	10'	10'	10'
EFFLUENT LINE TO DISTRIBUTION BOX	50'	50'	10'	10'	10'
DISTRIBUTION BOX	100'	100'	20'	10'	20'
ABSORPTION FIELD	100' (a)	100'	20'	10'	50'
SEEPAGE PIT	150' (a)	100'	20'	10'	50'
DRY WELL(ROOF AND FOOTING)	50'	25'	20'	10'	10'
RAISED OR MOUND SYSTEM (c)	100' (a)	100'	20'	10'	50'
INTERMITTENT SAND FILTER (c)	100' (a)	100'	20'	10'	50'
EVAPOTRANSPIRATION-ABSORPTION SYSTEM (c)	100' (a)	50'	20'	10'	50'
COMPOSTER	50'	50'	20'	10'	10'
SANITARY PRIVY PIT	100'	50'	20'	10'	20'
PRIVY, WATERTIGHT VAULT	50'	50'	20'	10'	10'

NOTES:
(a) WHEN SEWAGE TREATMENT SYSTEMS ARE LOCATED IN COARSE GRAVEL OR UPGRADE IN THE GENERAL PATH OF DRAINAGE TO A WELL, THE CLOSEST PART OF THE TREATMENT SYSTEM WILL BE AT LEAST 200 FEET AWAY FROM THE WELL.
(b) MEAN HIGH WATER MARK.
(c) FOR ALL SYSTEMS INVOLVING THE PLACEMENT OF FILL MATERIAL, SEPARATION DISTANCES ARE MEASURED FROM THE TOE OF SLOPE OF THE FILL.
(d) ANY WATER SERVICE LINE UNDER PRESSURE (I.E., PUBLIC WATER SUPPLY MAIN, HOUSEHOLD SERVICE LINE, WELL TO HOUSEHOLD SERVICE LINE) LOCATED WITHIN 10 FEET OF ANY ABSORPTION FIELD, SEEPAGE PIT OR SANITARY PRIVY SHALL BE INSTALLED INSIDE A LARGER DIAMETER WATER MAIN TO PROTECT THE POTABLE WATER SUPPLY.
(e) ANY WATER SERVICE LINE UNDER PRESSURE (I.E., PUBLIC WATER SUPPLY MAIN, HOUSEHOLD SERVICE LINE WELL TO HOUSEHOLD SERVICE LINE) CROSSING A SEWER SHALL BE INSTALLED WITH ONE FULL LENGTH OF WATER MAIN CENTERED ABOVE THE SEWER SO BOTH WATER-CONNECTING JOINTS ARE AS FAR AS POSSIBLE FROM THE SEWER. SECTION 8.6 OF THE GLUMRB, RECOMMENDED STANDARDS FOR WATER WORKS, SHALL BE FOLLOWED FOR SEPARATION OF WATER MAINS, SANITARY SEWERS AND STORM SEWERS.
(f) THE MINIMUM SEPARATION DISTANCE BETWEEN A SEPTIC TANK AND A COMMUNITY-TYPE PUBLIC WATER SUPPLY WELL SHOULD BE 100 FEET. DISTRIBUTION BOXES AND ABSORPTION FACILITIES (E.G., ABSORPTION TRENCHES/BEDS, SEEPAGE PITS, RAISED SYSTEMS, MOUND SYSTEMS, ETC.) SHOULD BE AT LEAST 200 FEET FROM COMMUNITY-TYPE PUBLIC WATER SUPPLY WELLS.
(g) RECOMMENDED SEPARATION DISTANCES.

SECTION 75.4 (A-5) ACCEPTED AS ORANGE COUNTY HEALTH DEPARTMENT POLICY AND STANDARD WITH THE FOLLOWING ADDITIONS:
1. SEPARATION WELL TO SWALE, STREAM, OR WATER COURSE - 25 FEET.
2. SEPARATION ABSORPTION FIELD TO THE HIGH HIGH WATER LINE OF A WET POND- 100'
3. SEPARATION ABSORPTION FIELD TO INTERMITTENT STREAM, DRY WELL, CULVERT OR STORM SEWER (NON-GASKETED PIPE), OR CATCH BASIN - 50'.
4. SEPARATION ABSORPTION FIELD TO CULVERT OR STORM SEWER (GASKETED, TIGHT PIPE) - 35'.
5. SEPARATION ABSORPTION FIELD TO CURTAIN DRAIN - 15'.
6. SEPARATION ABSORPTION FIELD, PITS, EXPANSION AREA, TO TOP OF EMBANKMENT OR STEEP (1 ON 3) SLOPE - 25'.
7. SEPARATION: ABSORPTION FIELD TO SOLID CURTAIN DRAIN, ROOF OR FOOTING PIPES, SNOW STORAGE ESM'T - 10'
8. DRAINAGE PIPES WITHIN 25' OF ANY WELL MUST BE WATERTIGHT.
9. SEPARATION: WELL TO CEMETERY PROPERTY LINE - 100'.
10. SEPARATION: WELL TO SUBDIVISION BOUNDARY - 50'.



PLAN



ISOMETRIC

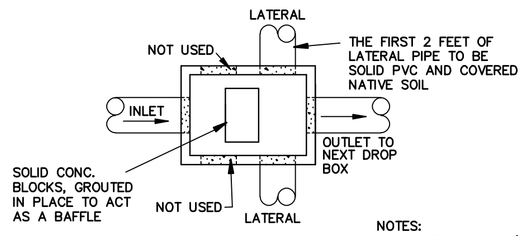
NOTES
WOODARD'S CONCRETE PRODUCT'S INC. MODEL ST-1000 OR EQUIVALENT (AS APPROVED BY ENGINEER)
CONCRETE MINIMUM STRENGTH 4,000 PSI AT 28 DAYS
REINFORCEMENT- 6"X6"X10GA. WIRE MESH, #4 REBAR
AIR ENTRAINMENT- 5%
CONSTRUCTION JOINT - BUTYL RUBBER SEALANT
PIPE CONNECTION - POLYLOC SEAL (PATENTED)

SECTION A

PRECAST SEPTIC TANK-1,000 GALLONS

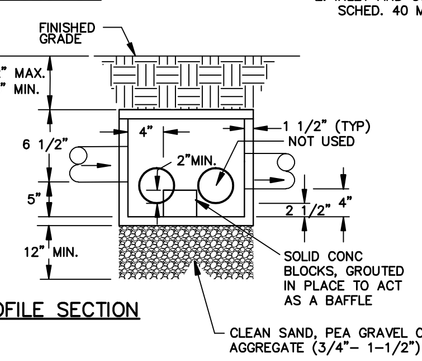
SCALE: NTS

3 C-2



NOTES:
1. AS PER WOODARD'S CONCRETE RODUCTS; BULLVILLE, NY.; NO. DB-6DB.
2. INLET AND OUTLET TO BE 4"ø SOLID PVC, SCHED. 40 MIN. SLOPE 1%.

PLAN SECTION

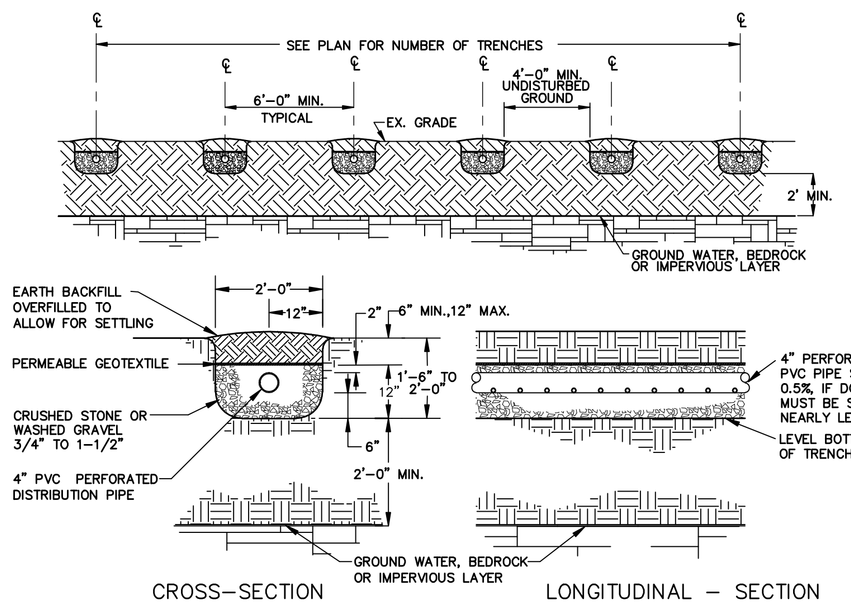


PROFILE SECTION

DROP MANHOLE (PRECAST)

SCALE: 1" = 1'-0"

4 C-2



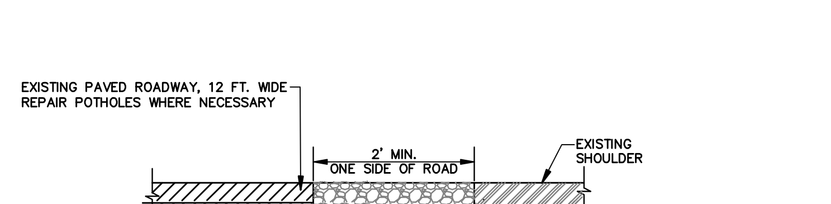
CROSS-SECTION LONGITUDINAL - SECTION

NOTES:
DO NOT INSTALL TRENCHES IN WET SOIL. INSTALL TRENCH PARALLEL TO CONTOURS. INSTALL TRENCHES AS SHALLOW AS POSSIBLE WHICH MEET ABOVE NOTED DEPTHS. RAKE SIDES AND BOTTOM OF TRENCH PRIOR TO PLACING GRAVEL. ENDS OF ALL DISTRIBUTION PIPES MUST BE CAPPED. PERFORATIONS IN PIPE MUST FACE DOWN

ABSORPTION TRENCH SYSTEM DETAIL

SCALE: 1/2" = 1'-0"

5 C-2



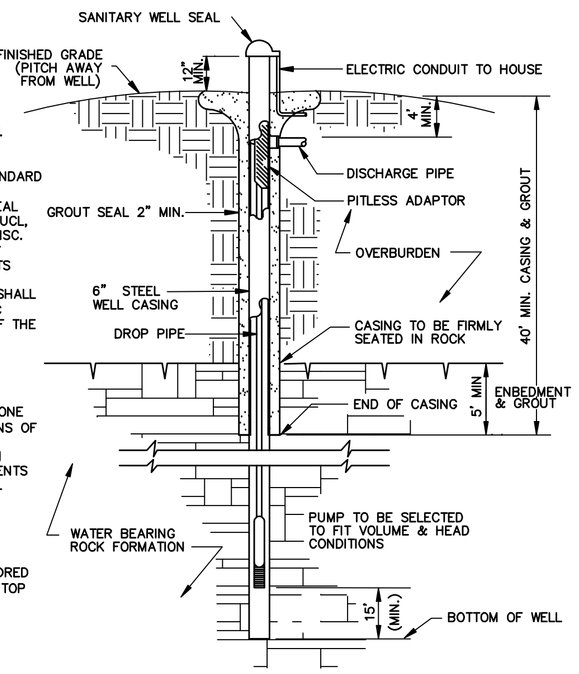
NATURES TRAIL ROAD SECTION

SCALE: NTS

6 C-2

AT THE OPTION OF THE CONTRACTOR ONE FOOT OF STABILIZED AGGREGATE CAN BE ADDED TO EACH SIDE OF EXISTING PAVEMENT AS OPPOSED TO TWO FEET ON ONE SIDE IF CONDITIONS WARRANT.

NOTES
1 WELL IS TO BE CASED AND GROUTED FOR A MIN. OF 50'.
2 OVERSIZED DRILL HOLE (FOR GROUTING) TO BE 10" IN DIAMETER & A MIN. OF 40' IN LENGTH.
3 EXPECTED DEPTH OF OVERBURDEN = 110'.
4 EXPECTED DEPTH OF WATER BEARING FORMATION = 140'.
5 WELL CASING TO CONFORM TO AWWA STANDARD A-100 (CURRENT REQUIREMENTS).
6 PITLESS ADAPTER AND SANITARY WELL SEAL SHALL BE MONITOR MODEL NO. 5PL-6-I-UCL, MFG. BY BAKER MFG. CO.; EVANSVILLE, WISC.
7 DISCHARGE PIPE: 1" MIN. OF HEAVY DUTY POLYETHYLENE MEETING THE REQUIREMENTS OF NSF.
8 WATER SERVICE LINES UNDER PRESSURE SHALL NOT PASS CLOSER THAN 10' OF A SEPTIC TANK, TILE FIELD OR ANY OTHER PART OF THE SEWAGE DISPOSAL SYSTEM.
9 CAST IRON PIPES WITH ELASTOMETRIC COMPRESSION JOINTS ARE REQUIRED FOR SEWAGE LINES WITHIN 50' OF ANY WELL.
10 MIN. WELL CAPACITY TO BE 5 GPM.
11 CEMENT GROUT SHALL BE A MIXTURE OF ONE BAG OF CEMENT AND 5 TO 5 1/2 GALLONS OF CLEAN WATER.
12 ELECTRICAL WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE.
13 CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS AS SET FORTH IN THE PUBLICATION "RURAL WATER SUPPLY", N.Y.S. DEPT. OF HEALTH, LATEST EDITION.
14 LOTS TO BE LOCATED WITHIN A ONE HUNDRED (100) YEAR FLOOD LEVEL SHALL HAVE A TOP OF A WELL CASING 2' ABOVE THE LEVEL.



DRILLED ROCK WELL SECTION

SCALE: NTS

7 C-2

NO.	DATE	REVISION	BY	CK.
B	8/24/2015	SUBMITTED FOR PLG BRD FOR REVIEW	JCC	M.S.
A	7/24/2015	SUBMITTED FOR PLG BRD FOR REVIEW	JCC	M.S.

MICHAEL J. SANDOR PE
NY PROFESSIONAL ENGINEER NO. 60445

DRAWN BY: P HUTTON
DEPT. CK. M. SANDOR
DEP. APPR.
COORD. CK.
P.M. APPR.
CLIENT APPR.

MJS ENGINEERING & LAND SURVEYING, PC
261 Greenwich Ave
Goshen, NY 10924
845-291-8650
Fax 845-291-8657

SHEET TITLE: DETAILS

JOB NAME: PAUL & LINDA GUANERI
SECTION 18 BLOCK 1, LOT 25
TOWN OF CHESTER, ORANGE COUNTY, NEW YORK

DATE: 7/24/2015
JOB NO. 140162
SCALE: AS NOTED
REV. NO. B
DWG. NO. C-2
SHEET 2 OF 2

P:\140162\dwg\140162PM.dwg Details