

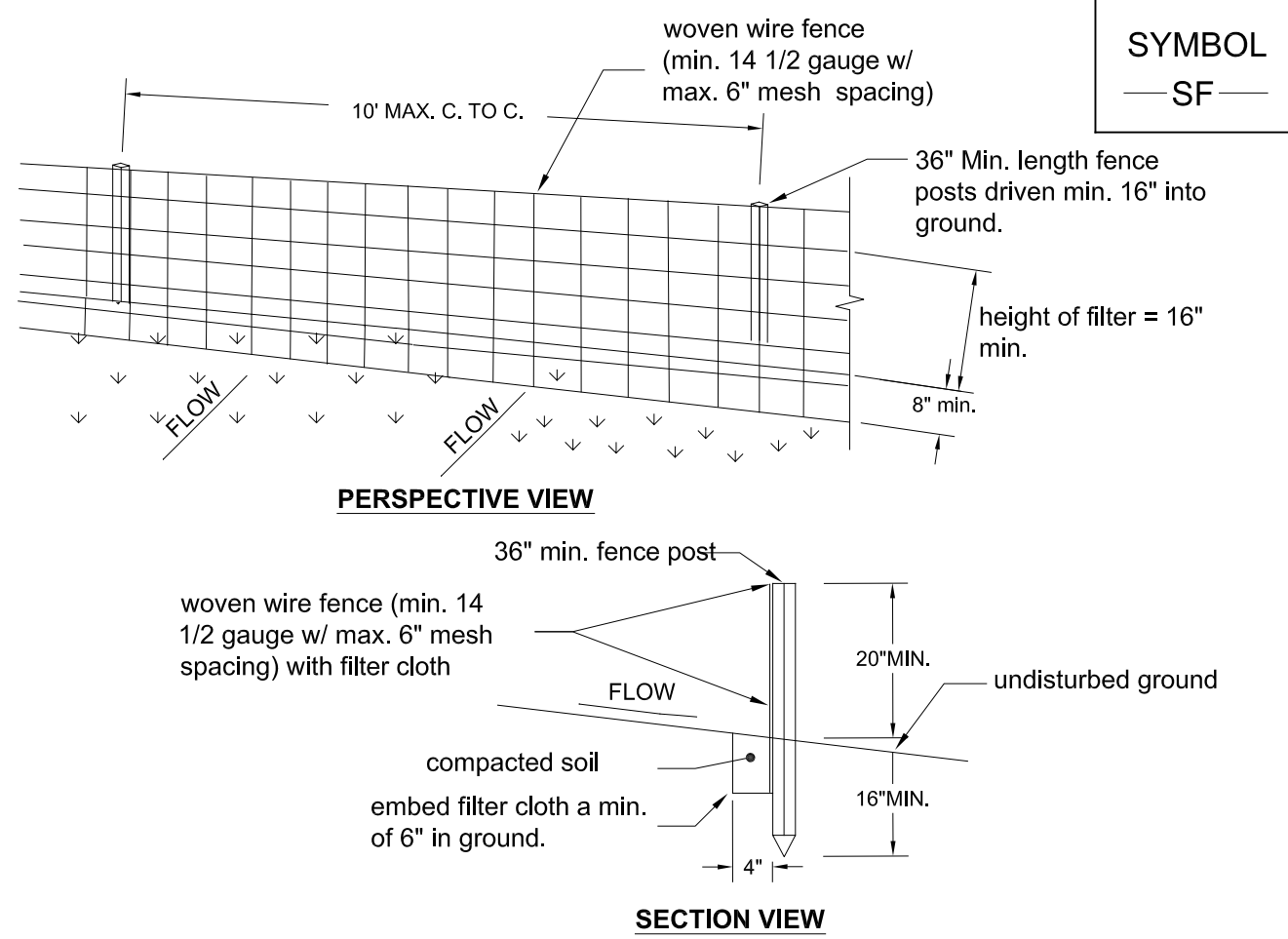
VEGETATION REQUIREMENTS

1. Site Preparation:
- A. Install needed water and erosion control measures and bring area to be seeded to desired grades using a minimum of 4 in. topsoil.
- B. Prepare seedbed by loosening soil to a depth of 4-6 inches.
- C. Lime to a pH of 6.5
- E. Fertilize as per soil test or, if fertilizer must be applied before soil test results are received, apply 850 pounds of 5-10-10 or equivalent per acre (20 lbs/1,000 sq. ft.)
- F. Incorporate lime and fertilizer in top 2-4 inches of topsoil.
- G. Smooth, remove all stones over 1 inch in diameter, sticks, and foreign matter from the surface. firm the seedbed.
2. Planting - Sunny location.
- Use a cultipacker type seeder if possible. seed to a depth of 1/8 to 1/4 inch. if seed is to be broadcast, cultipack or roll after seeding. if Hydroseeded, lime and fertilizer may be applied through the seeder and rolling is not practical. seed using the following mix and rates

GRASS SEEDING CHART

SPECIES (% BY WEIGHT)	LBS./1,000SQ.FT	LBS./ACRE
65% KENTUCKY BLUEGRASS BLEND	2.0-2.6	85-114
20% PERENNIAL RYEGRASS	0.6-0.8	26-35
15% FINE FENSUCUE	0.4-0.6	19-26
	3.0-4.0	130-175
100% TALL FENSUCUE, TURF-TYPE, FINE LEAF	3.4-4.6	150-200

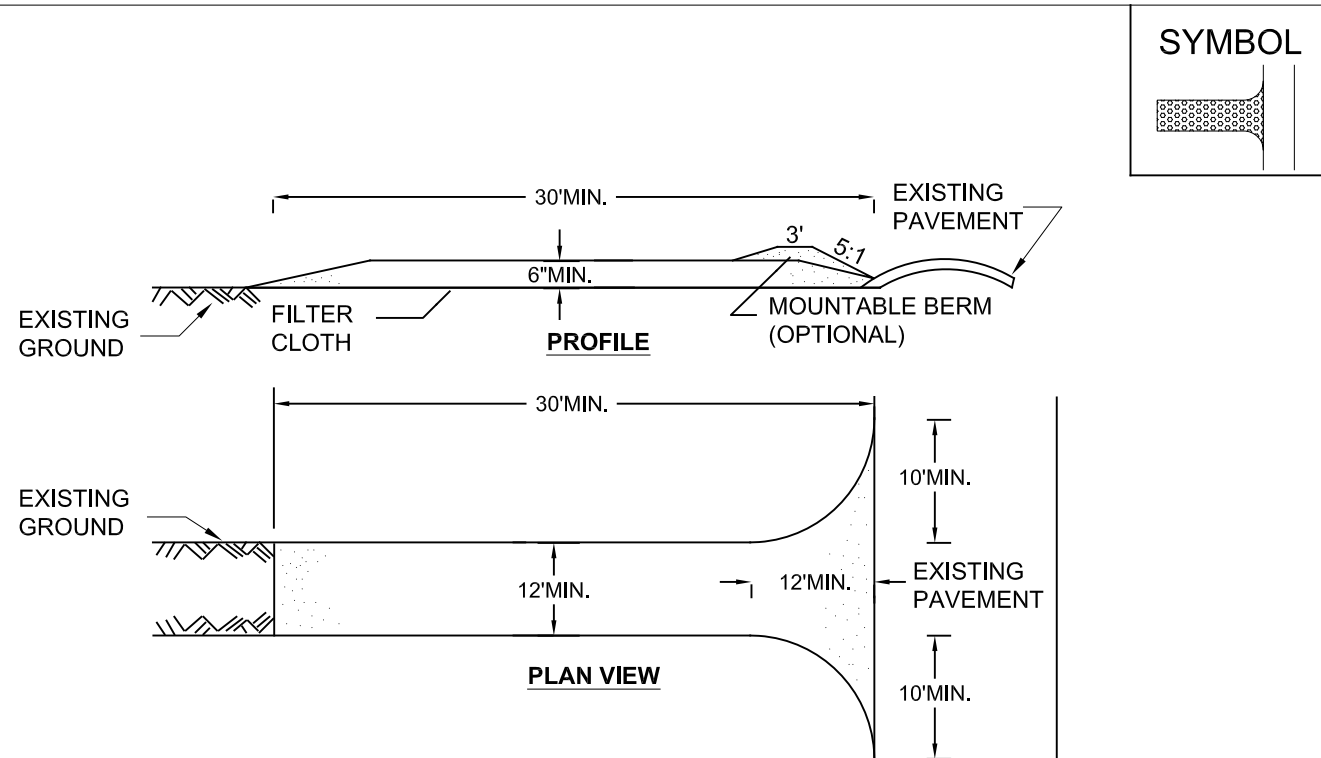
3. When using the cultipacker or broadcast seed method, mulch using small grain straw, applied at a rate of 2 tons per acre; and anchor with a netting or tackifier. Hydroseed applications should include mulch, fertilizer and seed. Common white clover can be added to mixtures at the rate of 1-2 lbs/acre to help maintain green color during the dry summer period; however, they will not withstand heavy traffic. fertilizing—first year, (spring seedlings) three to four weeks after germination apply 1 pound nitrogen/1,000 square feet using a complete fertilizer with a 2-1-1 or 4-1-3 ratio or as recommended by soil test results. For summer and early fall seedings, apply as above unless air temperatures are above 85°F for extended period. Wait until heat wave is over to fertilize. For late fall/winter seedings, fertilize in spring. Restrict use! New seedlings should be protected from use for one full year to allow development of a dense sod with good root structure.



CONSTRUCTION SPECIFICATIONS

- 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.
- Filter cloth to be 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.
- When two sections of filter cloth adjoin each other they shall be overlapped by six inches and folded. Filter cloth shall be either Filter X, Mirafi 100X, Stabilinka T140N, or approved equivalent.
- Prefabricated units shall be geofab, envirofence, or approved equivalent.
- Maintenance shall be performed as needed and material removed when "bulges" develop in the silt fence.

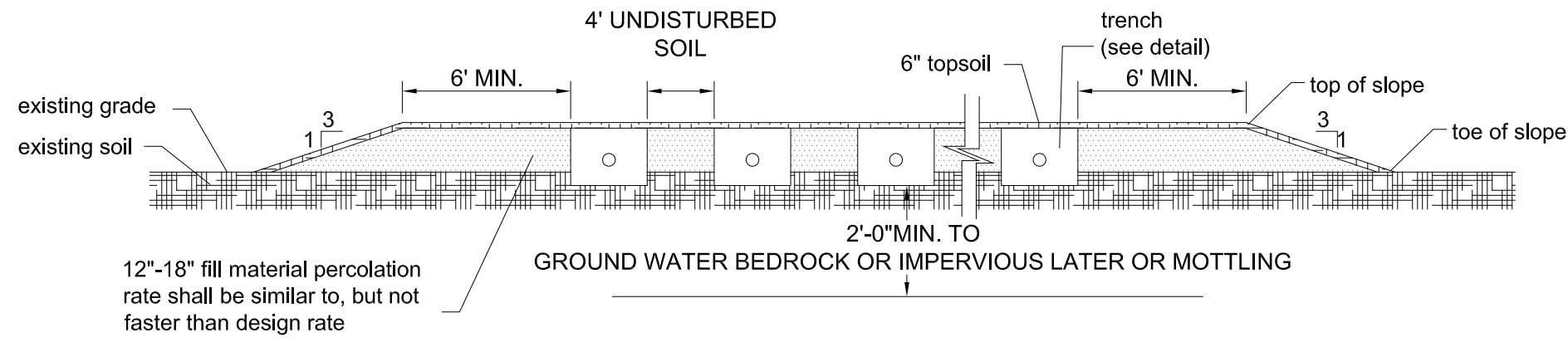
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE	SILT FENCE
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CONSTRUCTION SPECIFICATIONS

- STONE SIZE - Use 2" stone, or reclaimed or recycled concrete equivalent.
- ENTRANCE LENGTH - Not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
- DEPTH - Not less than six (6) inches.
- WIDTH - Twelve (12) foot minimum, but not less than the full width at points where ingress or egress occurs, twenty-four (24) foot if single entrance to site.
- FILTER CLOTH - Will be placed over the entire area prior to placing of stone.
- SURFACE WATER - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. if piping is impractical, a mountable berm with 5:1 slopes will be permitted.
- MAINTENANCE - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way, all sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.
- WASHING - when required, it shall be done on a area stabilized with stone and which drains into an approved sediment trapping device.
- INSPECTION - Periodic inspection and needed maintenance shall be provided after each rain.

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE	STABILIZED CONSTRUCTION ENTRANCE
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SHALLOW SYSTEM DETAIL
N.T.S.

- Notes:
- bottom of all trenches shall not be above original usable soil.
 - maximum depth of usable fill plus 6" of topsoil shall not exceed 30".
 - maximum cover over trench aggregate shall not exceed 12".

SEPTIC SYSTEM GENERAL NOTES:

- All portions of the septic field will be a minimum distance of 200 feet up slope and 100 feet down slope from any well.
- Septic tank to be located a minimum distance of 10 feet from any building or property line and 50' from well.
- Cellar drains, roof drains or footing drains shall not be discharged in or into the vicinity of absorption field.
- No swimming pools, driveways, or structures that may compact the soil shall be constructed over any portion of the absorption field.
- No trenches to be installed in wet soil.
- Rake sides and bottom of trench prior to placing gravel in absorption trench.
- Grout all pipe penetrations to conc. septic tank & distribution box.
- Distribution lines are to be capped.
- The perimeter of the absorption field should be graded to divert surface water.
- All newly disturbed areas shall be immediately stabilized upon construction completion using grass seed & mulch.
- No sewage system shall be placed within 100' of any water course or 35' drainage ditch.
- All laundry and kitchen wastes shall be discharged into sewage system.
- Bends shall be used when entrance or exit from septic tank is not approximately straight. If bends are used at points other than entrance or exit points, then a cleanout is required.
- The design and location of the sanitary facilities shall not be changed without resubmission for approval.
- Heavy equipment shall be kept off the area of the absorption fields except during the actual construction. There shall be no unnecessary movement of construction equipment in the absorption field area before, during, or after construction.
- This system was not designed to accommodate garbage grinders, jacuzzi type spa tubs over 100 gallons, or water conditioners. as such, these items shall not be installed unless the system is redesigned to account for these.
- There must be an uninterrupted positive slope from the septic tank (or any pumping or dosing chamber) to the house, allowing septic gases to discharge through the stack vent.
- The purchaser of this lot shall be provided with a copy of the approved plans and an accurate as-built drawing of any existing sanitary facilities.
- The design engineer will be required to certify the completed disposal facility.
- An asbuilt survey and certification shall be provided to the associated Town's Code Enforcement Department prior to issuance of a certification of occupancy.

CONSTRUCTION SCHEDULE FOR EACH LOT

- Obtain plan approval and other applicable permits.
- Flag the work limits.
- Hold pre-construction conference at least one week prior to starting construction.
- Install temporary gravel construction entrance/exit.
- Install silt fence.
- Complete site clearing.
- Rough grade site, stockpile topsoil, install driveway culvert.
- Excavate for foundation.
- Build foundation.
- Frame house.
- Backfill foundation.
- Finish the slopes around buildings as soon as rough grading is complete. leave the surface slightly roughened and vegetate and mulch immediately.
- Complete final grading for driveway and building.
- After the site is stabilized, remove all temporary measures and install permanent vegetation on the disturbed areas.
- Estimated time before final stabilization—3 months.

LIMITS OF DISTURBANCE

The proposed single family residential development will disturb a total of **1.95 acres** based on New York State Department of Environmental Conservation SPDES general permit for stormwater discharges from construction activity Permit No. GP-0-20-001. The proposed development does not require a SWPPP since disturbance is less than 5 acres. Therefore the proposed development does not require any permanent stormwater management facilities for water quality or peak discharges.

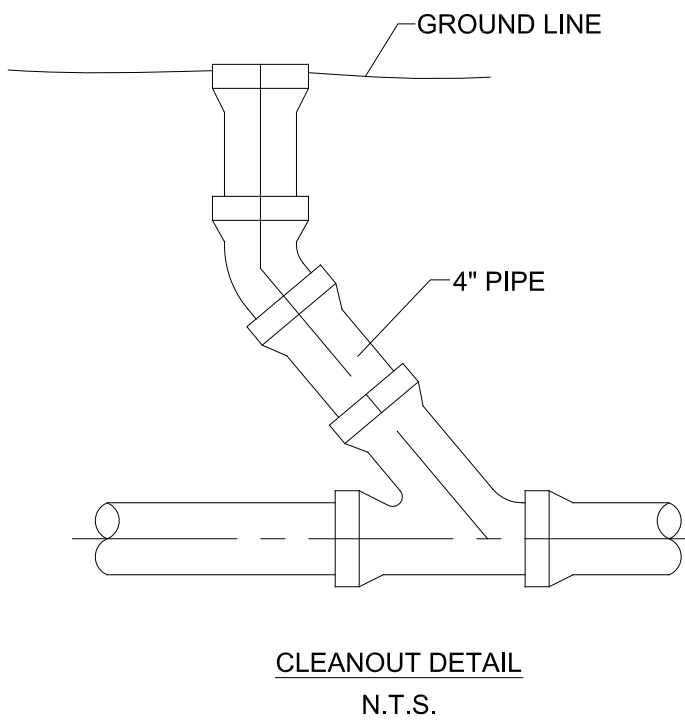
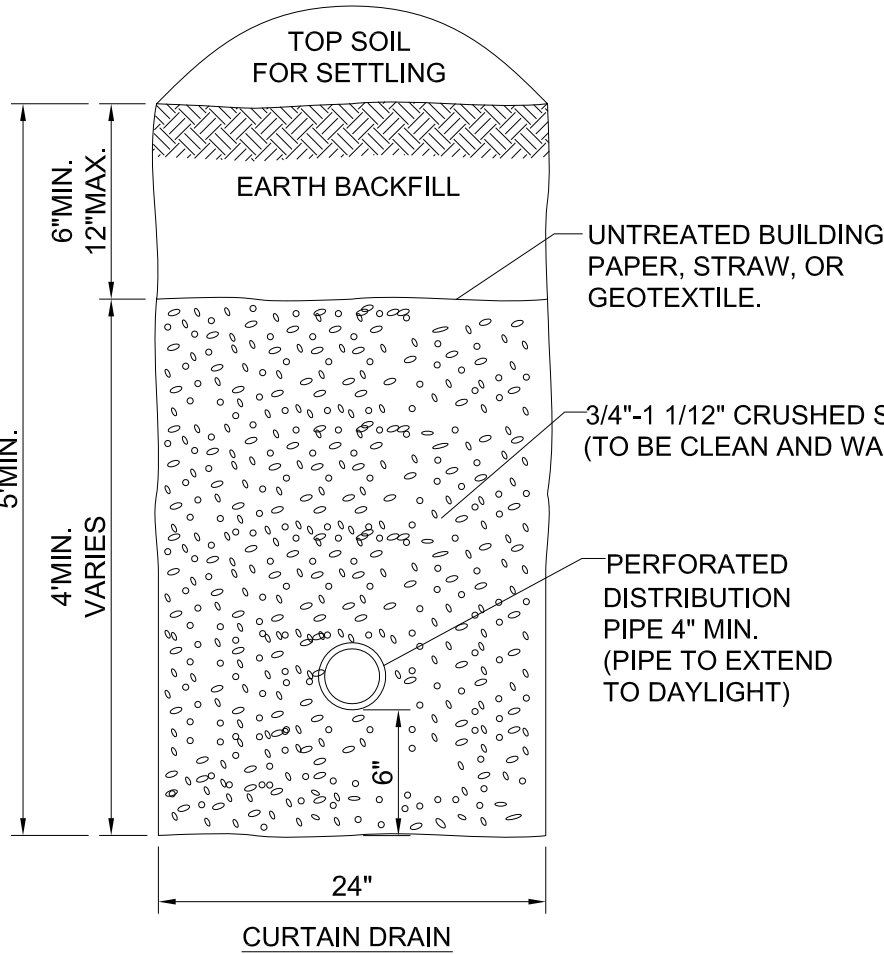
TEMPORARY VEGETATION NOTES:

- Temporary vegetation shall be used to protect areas in excess of 1/2 acre exposed for a period of two (2) weeks before or during development.
- A. Fifty (50) lbs of nitrogen, 50 lbs of approved grain seed and 2 tons of hay mulch per acre or...
- B. On areas that will be exposed for short periods of time and where weather conditions are conducive to airborne sand, traps to control such sand shall be installed as directed.
- C. On areas such as temporary roadways, when dry conditions prevail, the contractor shall be required to apply water or calcium chloride as required to prevent dust during construction activities.

EROSION CONTROL STANDARD NOTES:

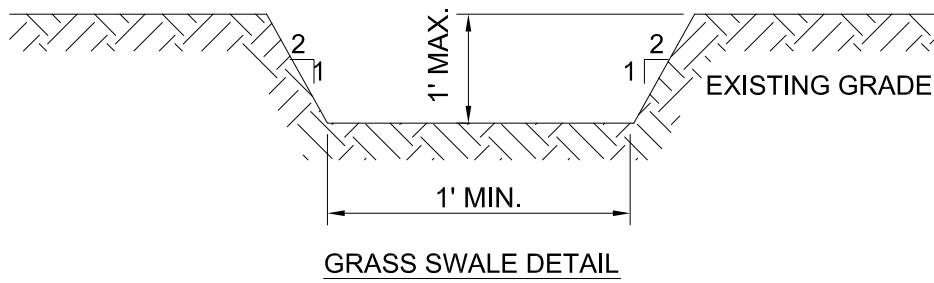
- Excavation, filling, grading, and stripping activities shall be undertaken in such a matter as to minimize the potential of erosion and sediment and the threat to the health, safety and welfare of neighboring property owners and the general public.
- Site preparation and construction shall be fitted to the vegetation, topography, and other natural features of the site and shall preserve as many of these features as possible.
- The control of erosion and sediment shall be a continuous process undertaken as necessary prior to, during and after site preparation and construction.
- The smallest practical area of land shall be exposed by site preparation at any given time.
- The exposure of areas by site preparation shall be kept to the shortest practical period of time prior to the construction of structures or improvements or the restoration of the exposed areas to an attractive natural condition.
- Mulching or temporary vegetation suitable to the site shall be used where necessary to protect areas exposed by site preparation, and permanent vegetation which is well adapted to the site shall be installed as soon as practical.
- Where slopes are to be revegetated in areas exposed by site preparation, the slopes shall not be of such steepness that vegetation cannot be readily established or that problems of erosion or sediment may result.
- Site preparation and construction shall not adversely affect the free flow of water by encroaching on, blocking or restricting watercourses.
- All fill material shall be of composition suitable for the ultimate use of the fill, free of rubbish, and carefully restricted in its content of brush, stumps, tree debris, rocks, frozen material, and soft or easily compressible material.
- Fill materi shall be compacted sufficiently to prevent problems of erosion, and where the material is to support structures, it shall be compacted to a minimum of ninety percent (90%) of standard proctor with proper moisture control.
- All topsoil which is excavated from a site shall be stockpiled and used for the restoration of the site, and such stockpiles, where necessary, shall be seeded or otherwise treated to minimize the effects of erosion.
- Prior to, during and after site preparation and construction, an integrated drainage system shall be provided which at all times minimizes erosion, sediment, hazards of slope instability, and adverse effects on neighboring property owners.
- The natural drainage system shall generally be preserved in preference to modifications of this system, excepting where such modifications are necessary to reduce levels of erosion and sediment and adverse effects on neighboring property owners.
- All drainage systems shall be designed to handle adequately anticipated flows, both within the site and from upstream drainage basin.
- Sufficient grades and drainage facilities shall be provided to prevent the ponding of water, unless such ponding is proposed within site plans, in which event there shall be sufficient water flow to maintain proposed water levels and to avoid stagnation.
- There shall be provided where necessary to minimize erosion and sediment such measures as measures as benches, berms, terraces, diversions and sediment, debris and retention basins.

As frequently as necessary to provide adequate protection against erosion and sediment and to ensure that the free flow of water is not obstructed by the accumulation of silt, debris or other material or by structural damage.

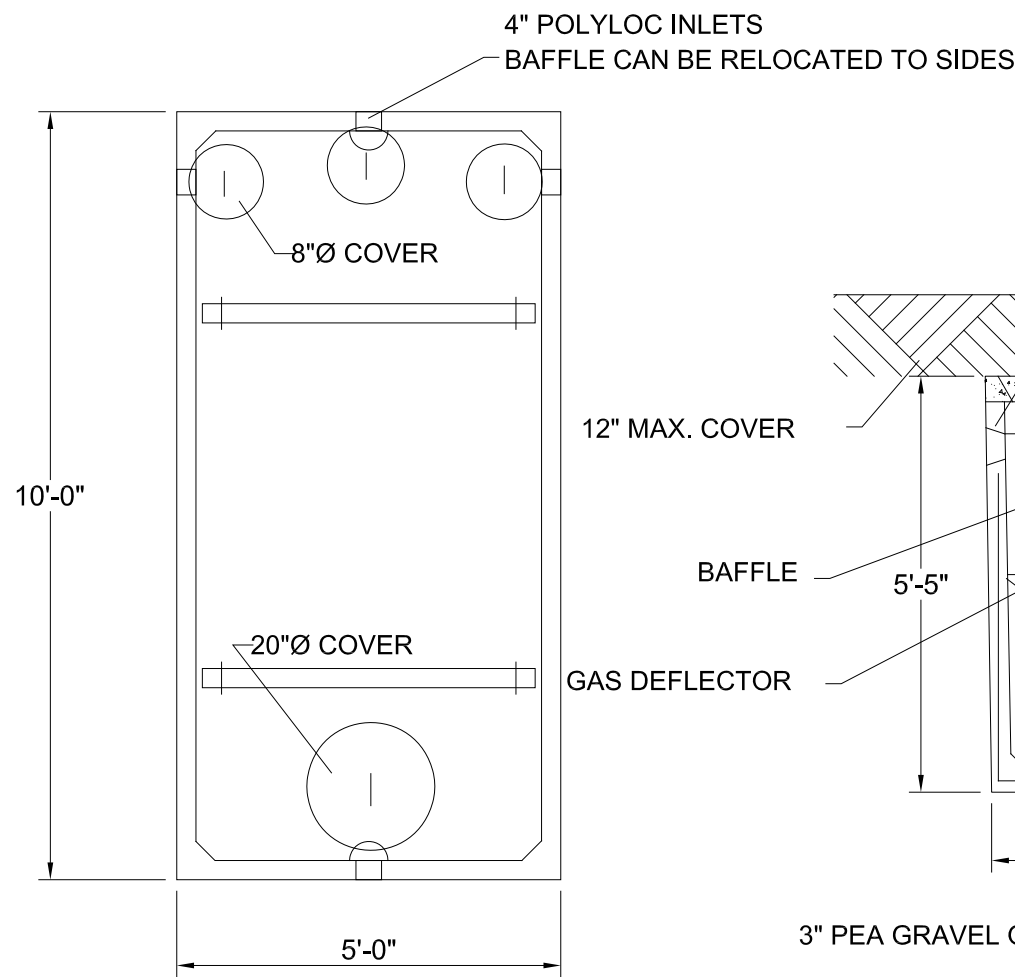


CLEANOUT DETAIL
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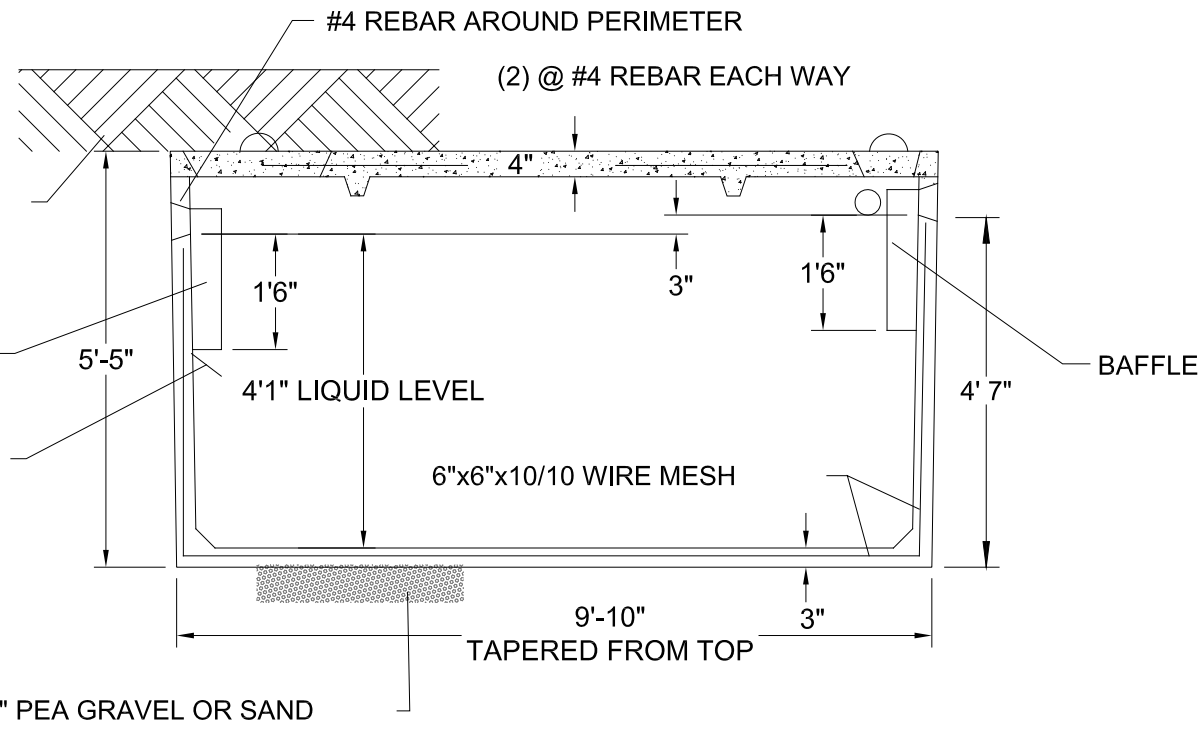
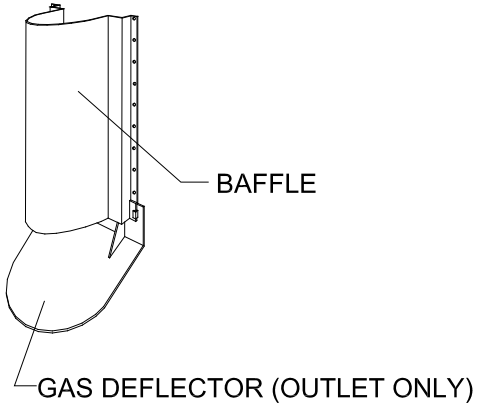
TO BE INSTALLED BEFORE BEND AT ALL
BEND LOCATIONS AND AT EVERY 75' OF
STRAIGHT PIPE. (DO NOT USED WITH PUMP CHAMBER)



GRASS SWALE DETAIL



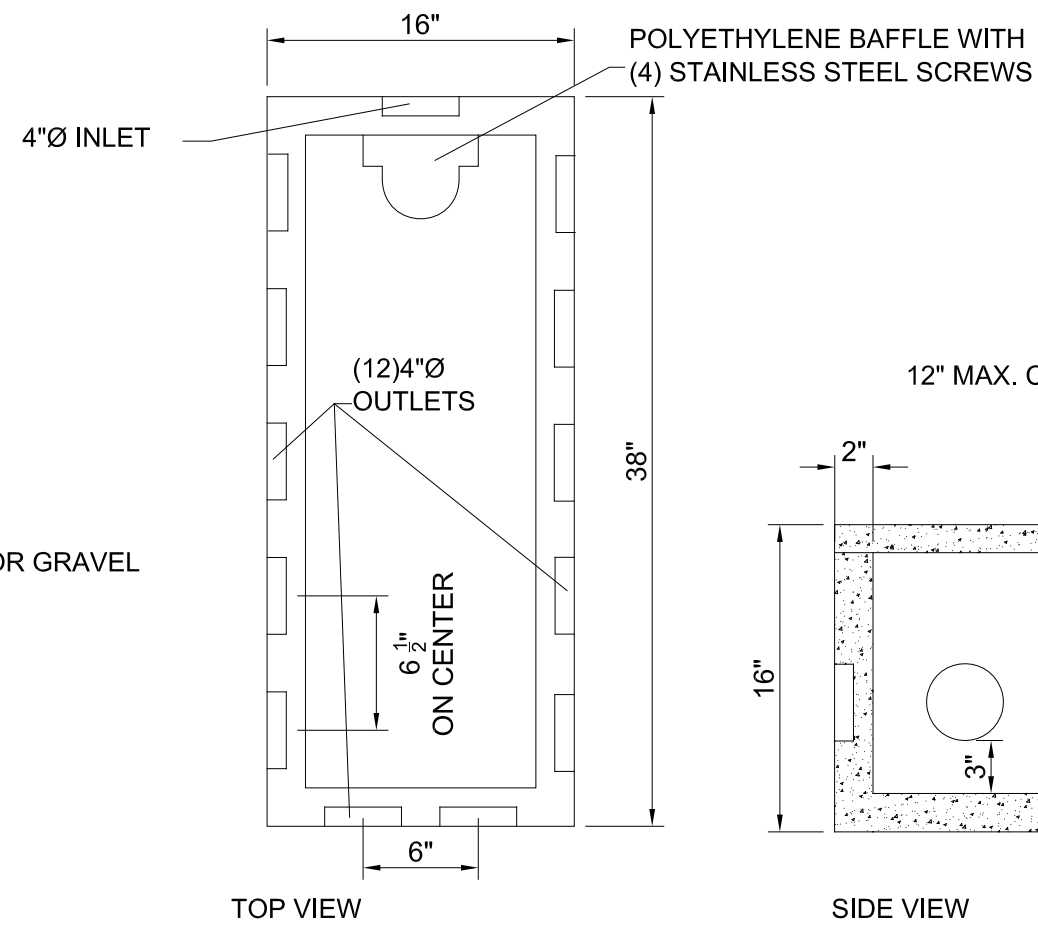
BAFFLE (DEFLECTOR ON OUTLET ONLY)



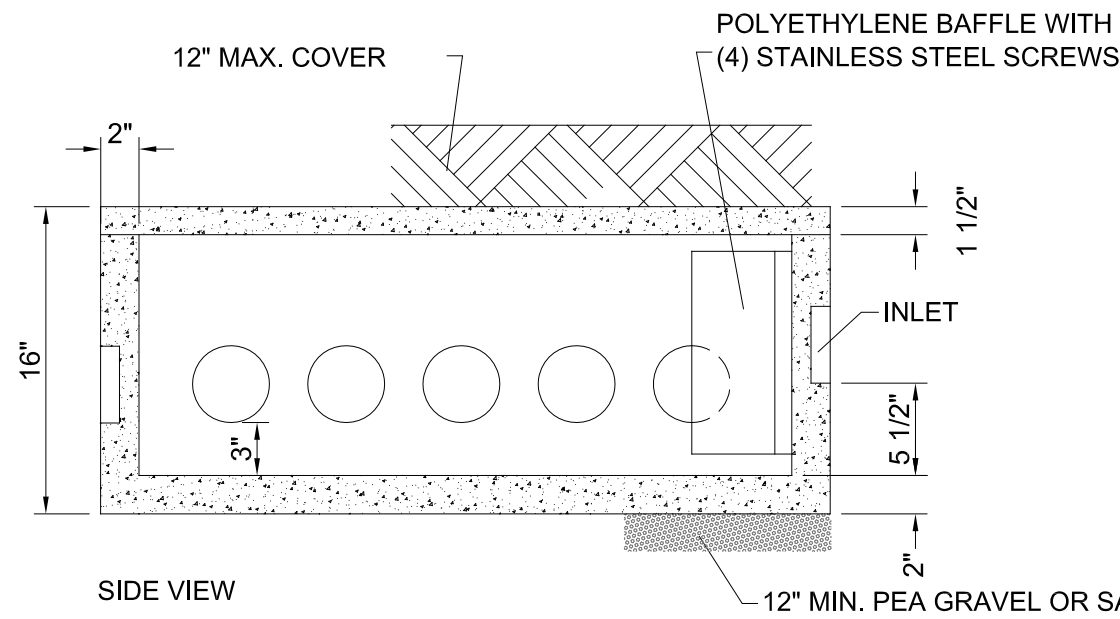
WOODARD'S 1250gal. SEPTIC TANK OR EQUAL
N.T.S.

SPECIFICATIONS

CONCRETE MINIMUM STRENGTH- 4,000 PSI AT 28 DAYS
REINFORCEMENT- 6"x6"10GA. WWF, #4 REBAR AIR
ENTRAPMENT- 5% CONSTRUCTION JOINT- BUTYL
RUBBER - BASE CEMENT PIPE CONNECTION- POLYLOC
SEAL (PATENTED) LOAD RATING- 300PSF WEIGHT =
9,500LBS



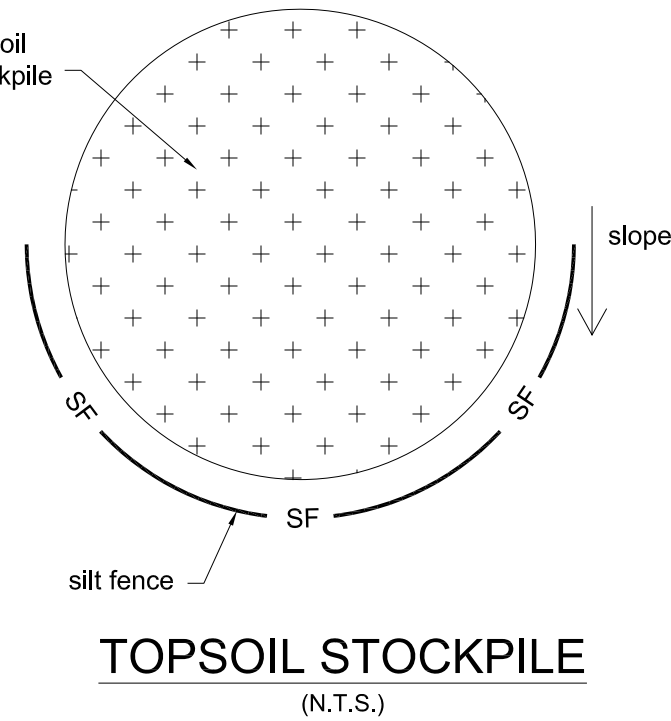
WOODARD'S 12 OUTLET DISTRIBUTION BOX OR EQUAL
N.T.S.



SPECIFICATIONS

CONCRETE MINIMUM STRENGTH- 4,000 PSI AT 28 DAYS
REINFORCEMENT- 6"x6"10GA. WIRE MESH

PIPE CONNECTION- POLYLOK SEAL (PATENTED)
LOAD RATING- 300PSF WEIGHT= 325 LBS.
AIR ENTRAPMENT- 5%



TOPSOIL STOCKPILE
(N.T.S.)

Sheet
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of
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Jonathan N. Milfen, L.L.S.
PROFESSIONAL LAND SURVEYOR
CERTIFIED TO BE CORRECT AND ACCURATE
N.Y. LIC. No. 050746

Jonathan N. Milfen

STATE OF NEW YORK
JONATHAN N. MILFEN
LICENSED LAND SURVEYOR
050746

JONATHAN N. MILFEN, L.L.S.

Minor Subdivision
of the lands of
Martin Nason & Katrina Nason

Automated Construction Enhanced Solutions, Inc.
Professional Land Surveying
1229 Route 300 - Suite 3 - Newburgh, NY 12550
Office: 845-943-7198 Field: 914-906-8830 Web: accessurveying.com

Prepared For Tax Map Parcel
95.4-3-13.2
aka 89 Peach Lane
situated in the
Town of Marlborough
County of Ulster, New York 12542

DATE: 12/22/2020 SCALE: none JOB No. 19054NAS DRAWN BY: jnm