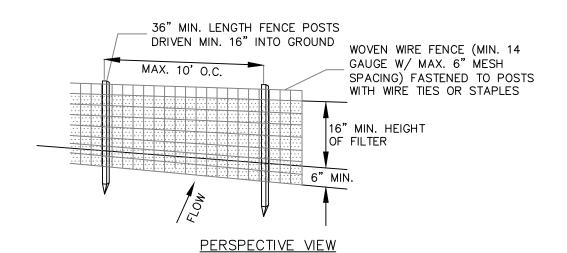
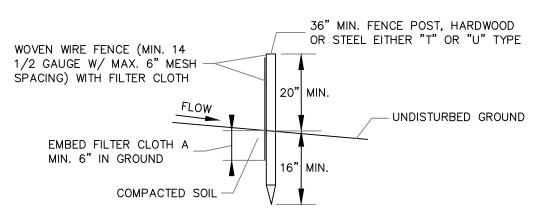
## EROSION AND SEDIMENT CONTROL DETAILS





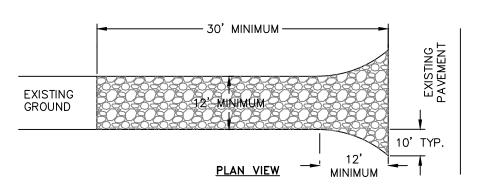
## SECTION VIEW

1. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. 2. 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 EQUAL.

3. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE OR APPROVED EQUAL. 4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

> SILT FENCE DETAIL NOT TO SCALE



1) STONE SIZE - USE 1-4 INCH STONE, OR RECLAIMED OR RECYCLED CONCRETE FOUIVALENT

2) LENGTH - NOT LESS THAN 30 FEET FOR A SINGLE RESIDENCE LOT.

3) THICKNESS - NOT LESS THAN SIX (6) INCHES. 4) WIDTH - 12 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. 24 FOOT MINIMUM IF SINGLE ENTRANCE TO

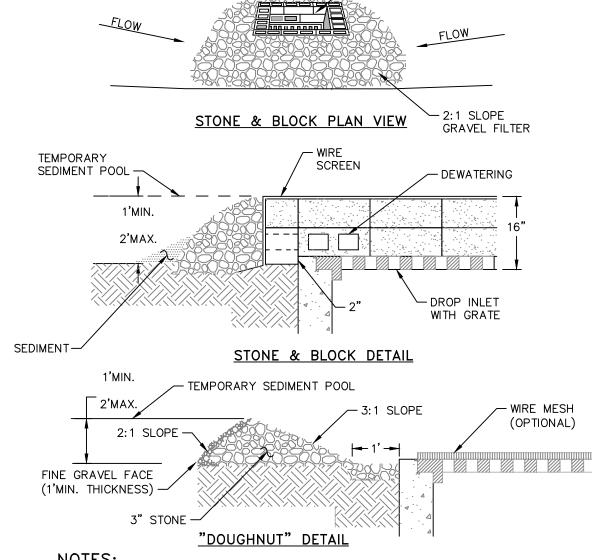
5) GEOTEXTILE - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING

6) SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.

7) MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURE USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACTED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.

8) WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE. 9) PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER

STABILIZED CONSTRUCTION ENTRANCE DETAIL NOT TO SCALE



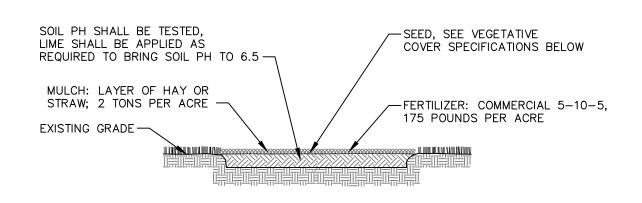
- CONCRETE BLOCK

. LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING. FOUNDATION SHALL BE 2 INCHES MINIMUM BELOW REST OF INLET AND BLOCKS SHALL BE PLACED AGAINST INLET FOR SUPPORT. 2. HARDWARE CLOTH OR 1/2" WIRE MESH SHALL BE PLACED OVER BLOCK OPENINGS

TO SUPPORT STONE.

3. USE CLEAN STONE OR GRAVEL 1/2-3/4 INCH IN DIAMETER PLACED 2 INCHES BELOW TOP OF THE BLOCK ON A 2:1 SLOPE OR FLATTER. 4. FOR STONE STRUCTURES ONLY, A 1 FOOT THICK LAYER OF THE FILTER STONE WILL BE PLACED AGAINST THE 3 INCH STONE AS SHOWN ON THE DRAWINGS. MAXIMUM DRAINAGE AREA 1 ACRE

CATCH BASIN INLET PROTECTION DETAIL NOT TO SCALE



I. TOPSOIL, SEED, MULCH, AND FERTILIZE DISTURBED SOIL AREAS THAT WILL BE LEFT EXPOSED FOR 14 DAYS OR MORE. 2. SEED MIXTURE FOR USE ON LAWNS IN SUNNY AREAS: 114 POUNDS PER ACRE 65% KENTUCKY BLUE GRASS BLEND 20% PERENNIAL RYEGRASS 35 POUNDS PER ACRE 26 POUNDS PER ACRE 15% FINE FESCUE

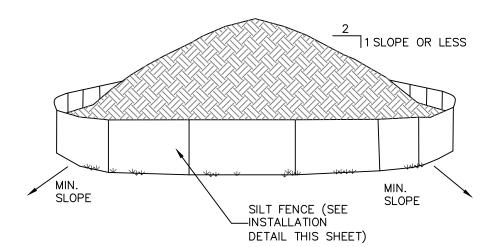
3. SEED MIXTURE FOR USE IN SHADY AREAS: 80% BLEND OF SHADE TOLERANT KENTUCKY BLUEGRASS 20% FINE FESCUE

4. SEED BETWEEN APRIL 1ST AND MAY 15TH OR AUGUST 15TH AND OCTOBER 15TH. SEEDING MAY OCCUR BETWEEN MAY 15TH AND AUGUST 15TH IF ADEQUATE IRRIGATION IS 5. TOPSOIL SHALL HAVE AT LEAST 6% BY WEIGHT OF FINE TEXTURED STABLE ORGANIC MATERIAL, AND NO GREATER THAN 20%. TOPSOIL SHALL HAVE NOT LESS THAN 20% FINE TEXTURED MATERIAL (PASSING THE NO. 200 SIEVE) AND NOT MORE THAN 15% CLAY.

138 POUNDS PER ACRE

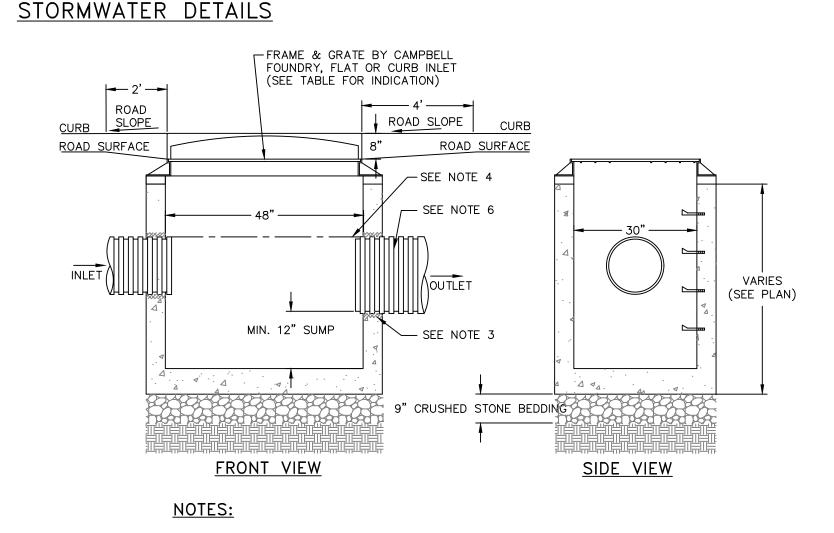
37 POUNDS PER ACRE

TOPSOIL, SEED AND MULCH DETAIL NOT TO SCALE



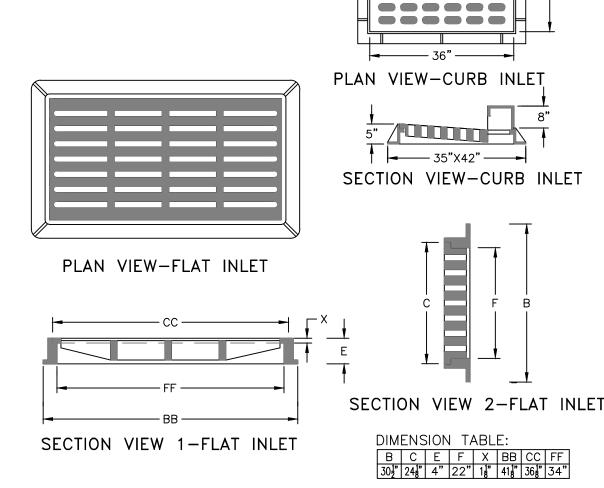
1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND 2. EACH PILE SHALL BE SURROUNDED WITH SILT FENCING, THEN STABILIZED WITH VEGETATION OR COVERED.

TEMPORARY SOIL STOCKPILE DETAIL NOT TO SCALE



PRECAST CONCRETE CATCH BASIN WITH CONCRETE STRENGTH OF 4,000 PSI @ 28 DAYS. THE ENDS OF ALL PIPES SHALL BE CUT OFF FLUSH WITH THE INSIDE SURFACE OF THE CATCH BASIN AND PARGED AROUND. 3. PIPES SHALL BE PARGED AROUND INTERIOR AND EXTERIOR PRIOR TO BACKFILLING OF STRUCTURE. CONNECTIONS MADE WITHIN 10 FEET OF A WATER MAIN (OR SERVICE LINE) OR A SEWER MAIN (OR SERVICE LATERAL) SHALL BE MADE WATERTIGHT. 4. PROVIDE A MINIMUM O.1' DROP BETWEEN INLET AND OUTLET INVERTS (MATCH CROWNS FOR PIPES WITH DIFFERENT SIZE) UNLESS OTHERWISE NOTED ON THE PLAN. 5. CATCH BASINS WITH AN INTERIOR DEPTH OF 4' AND GREATER SHALL BE FURNISHED WITH STEEL REINFORCED POLYPROPYLENE PLASTIC STEPS AT 12" INTERVALS. 6. HDPE PIPE SHALL BE PROVIDED WITH WATERTIGHT CONNECTIONS. ADS MODEL N12 WT IB OR

APPROVED EQUAL.



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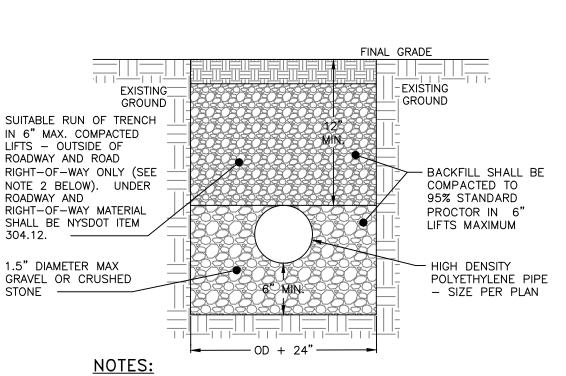
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## NOTES:

HEAVY DUTY RECTANGULAR STORMWATER FLAT INLET GRATE TO BE CAMPBELL FOUNDRY MODEL 3433, OR APPROVED EQUAL. HEAVY DUTY RECTANGULAR STORMWATER CURB INLET GRATE TO BE CAMPBELL FOUNDRY MODEL 2541, OR APPROVED EQUAL.

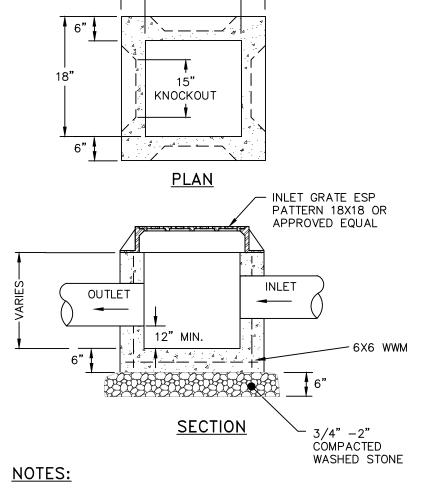
CAST IRON STORMWATER FLAT AND CURB INLET GRATE DETAIL

NOT TO SCALE



1. EXCAVATION AND TRENCHING SHALL MEET ALL OSHA REQUIREMENTS.

STORM LINE TRENCH DETAIL



1. YARD INLET BASINS SHALL BE PRE CAST REINFORCED CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4,000 PSI AND SHALL BE IN CONFORMANCE WITH ASTM 478-68. WALLS AND BASE SHALL BE ONE PIECE CONSTRUCTION. YARD INLET BASIN SHOWN BY EXPANDED SUPPLY PRODUCTS (ESP), 3330 ROUTE 9, COLD SPRING, NY (845) 265-3771. 2. BACKFILL USING SELECT MATERIAL, COMPACTED IN 6" LIFTS.

4. FRAMES AND GRATES SHALL BE SET IN A FULL BED OF MORTAR.

PRE-CAST CONCRETE YARD INLET DETAIL

NOT TO SCALE

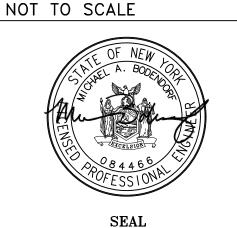
ROOF LEADER DOWNSPOUT ADAPTER INSERTED IN RISER PIPE -6"ø SCH 40 PVC -FINISHED GRADE (PER PLAN) -SCH 40 PVC 90° BEND --6"ø SCH 40 PVC - 6"ø PVC TO HDPE └ 6"ø SCH 40 PVC ADS PIPE ADAPTER - INJECTION MOLDED ADS WATERTIGHT TEE (SIZE BASED ON HEADER PIPE OR CULVERT DIAMETER)

> NOTES:
>
> 1. ROOF LEADER LOCATIONS AND SIZES TO BE DETERMINED BY THE PROJECT ARCHITECT. DOWNSPOUT ADAPTER TO MATCH DOWNSPOUT SIZE. 2. PVC JOINT CONNECTIONS SHALL BE MADE WITH PVC CEMENT. 3. ROOF DRAINAGE HEADER PIPES SHALL BE AS NOTED ON THE UTILITY SHEET. 4. SUBSTITUTIONS OF PIPE MATERIAL SHALL BE BROUGHT TO THE DESIGN ENGINEER'S ATTENTION FOR REVIEW.

ROOF LEADER CONNECTION DETAIL NOT TO SCALE

NOT TO SCALE CHECKED BY: MAB DRAWN BY: CMB **REVISIONS: REVISIONS:** NO. DATE BY NO. DATE DESCRIPTION  $\mathbf{B}\mathbf{Y}$ DESCRIPTION **CMB** 2 | 3/26/19 ADDED SHEET

CATCH BASIN DETAIL



UDSO LAND DESIGN

HUDSON LAND DESIGN

PROFESSIONAL ENGINEERING P.C. 174 MAIN ST., BEACON, NEW YORK 12508 13 CHAMBERS ST., NEWBURGH, NEW YORK 12550 PH: 845-440-6926 F: 845-440-6637

53 ELIZA STREET

53 ELIZA STREET CITY OF BEACON

SCALE: 1"=20'

DUTCHESS COUNTY, NEW YORK TAX ID: 6054-29-031870

STORMWATER & EROSION AND SEDIMENT CONTROL DETAILS

TITLE: CD-2SHEET: 8 OF 10

JOB #: 2018:032

DATE: 8/28/18

UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DRAWING IS A VIOLATION OF SECTION 7209.2 OF THE NEW YORK EDUCATION LAW