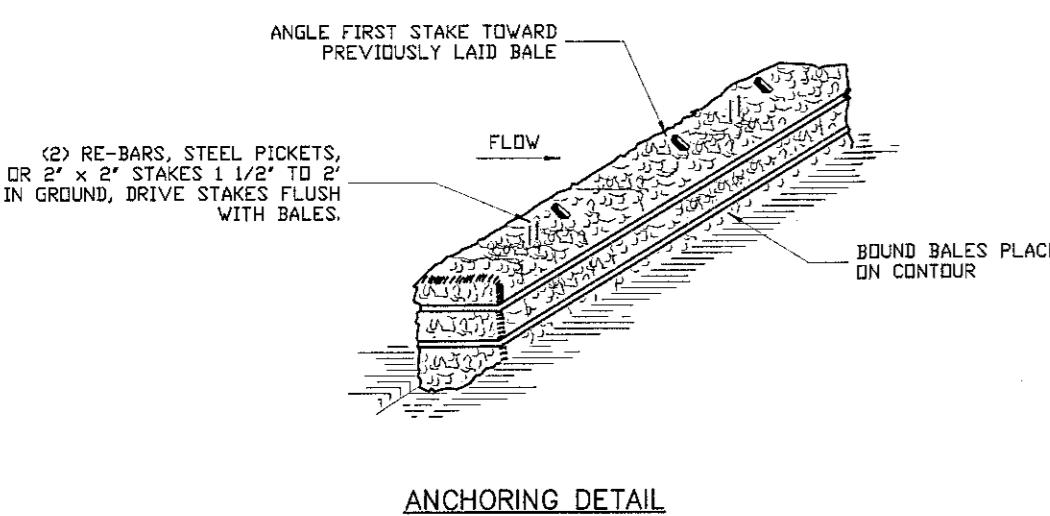
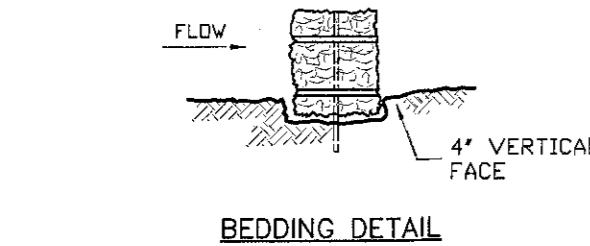


NOTE:
DRAINAGE AREA NO MORE THAN
1/4 AC. PER 100 FEET OF STRAW
BALE DIKE FOR SLOPES LESS THAN 25%.



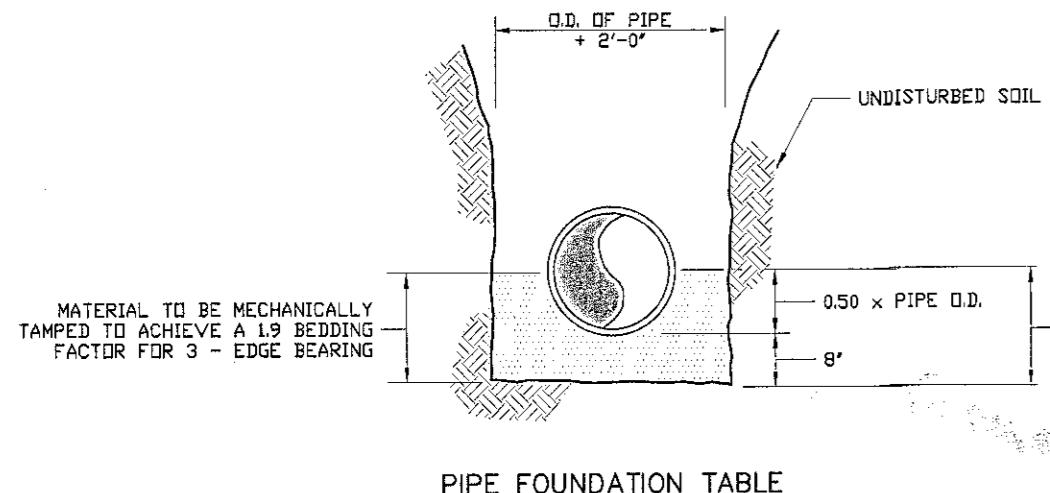
ANCHORING DETAIL

CONSTRUCTION SPECIFICATIONS

- BALES SHALL BE PLACED AT THE TIE OF A SLOPE OR IN THE CONTOUR AND TAMPED WITH A LIGHTLY CRUTCHING THE ADJACENT BALES.
- EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF (4) INCHES, AND PLACED SO THE BINDINGS ARE HORIZONTAL.
- BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR RE-BARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE CHANNEL. THE ANCHORING STAKES SHALL FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
- INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
- BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

STRAW BALE DIKE DETAIL

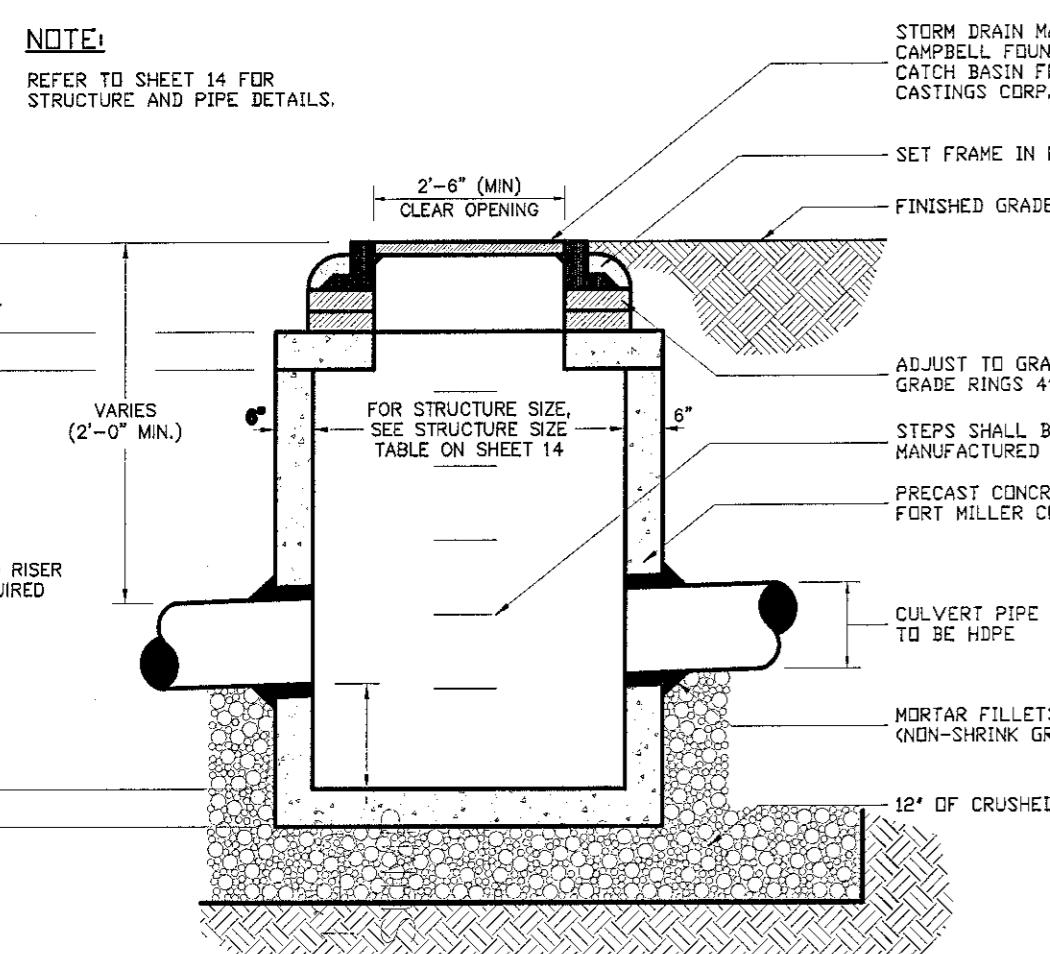
SCALE: NONE



EXIST. SOIL CONDIT.	MATERIAL	NOTES
NORMAL	SAND	
UNSTABLE (GROUNDRATE)	CRUSHED STONE - NYSDOT ITEM NO. 683.03 (AS ORDERED BY THE ENGINEER)	SAND SHALL BE USED ON ALL PVC PIPE LESS THAN 4" IN DIAMETER
ROCK	SAND	

PIPE FOUNDATION DETAILS

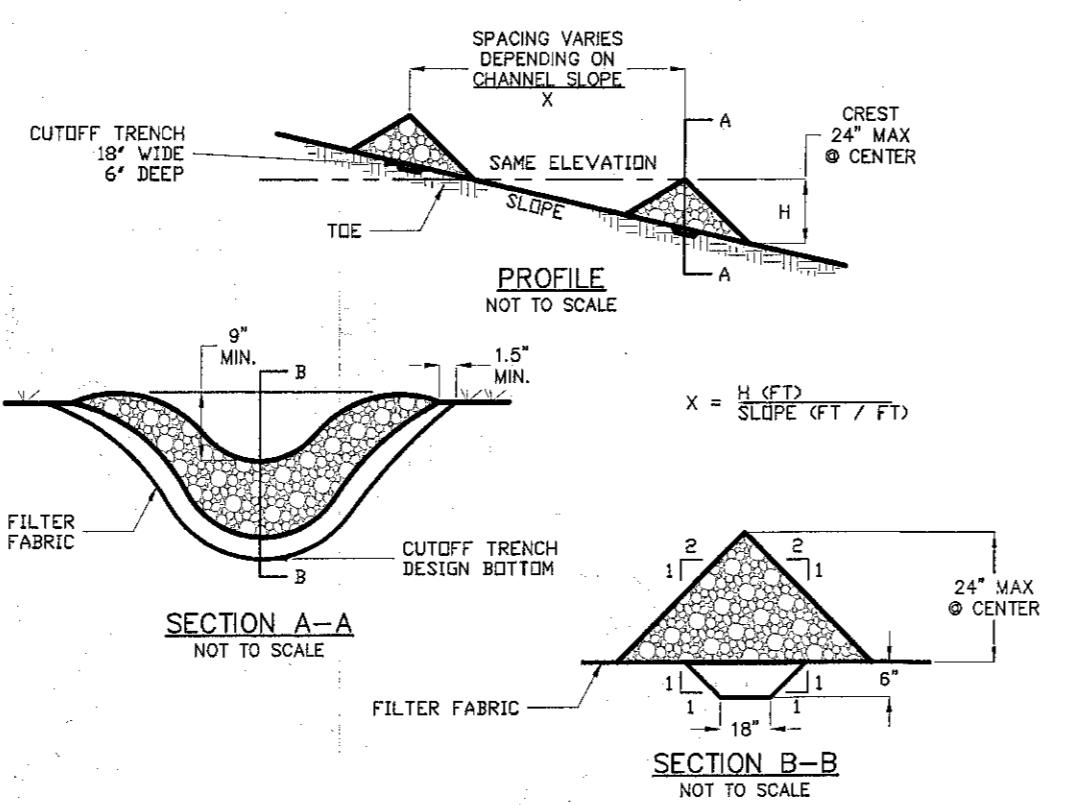
SCALE: NONE



SECTION A-A

TYPICAL CATCH BASIN AND STORM DRAIN MANHOLE DETAIL

SCALE: NONE

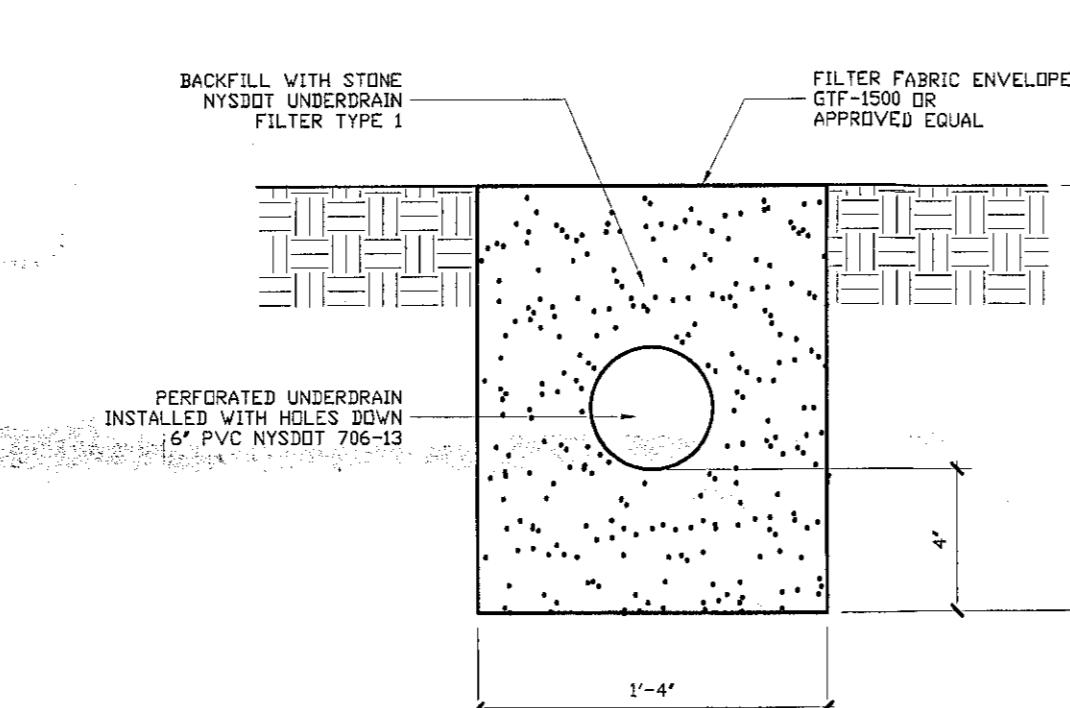


CONSTRUCTION SPECIFICATIONS

- USE GRADED STONE 2 TO 5 INCHES IN SIZE (NYS - DOT LIGHT STONE FILTER MEETS THESE REQUIREMENTS).
- STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES, AND SLOPES AS SHOWN.
- SET SPACING OF CHECK DAMS TO ASSURE THE ELEVATION OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION AS THE TOE OF THE UPSTREAM DAM.
- EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
- PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINERS, AS APPROPRIATE.
- ENSURE THAT CHANNEL APPURTENANCES - SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS - ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE. (MAXIMUM BRAINAGE AREA 2 ACRES).
- SHALLOW SWALES REQUIRE CRESTS TO BE 6' MAX. @ CENTER.

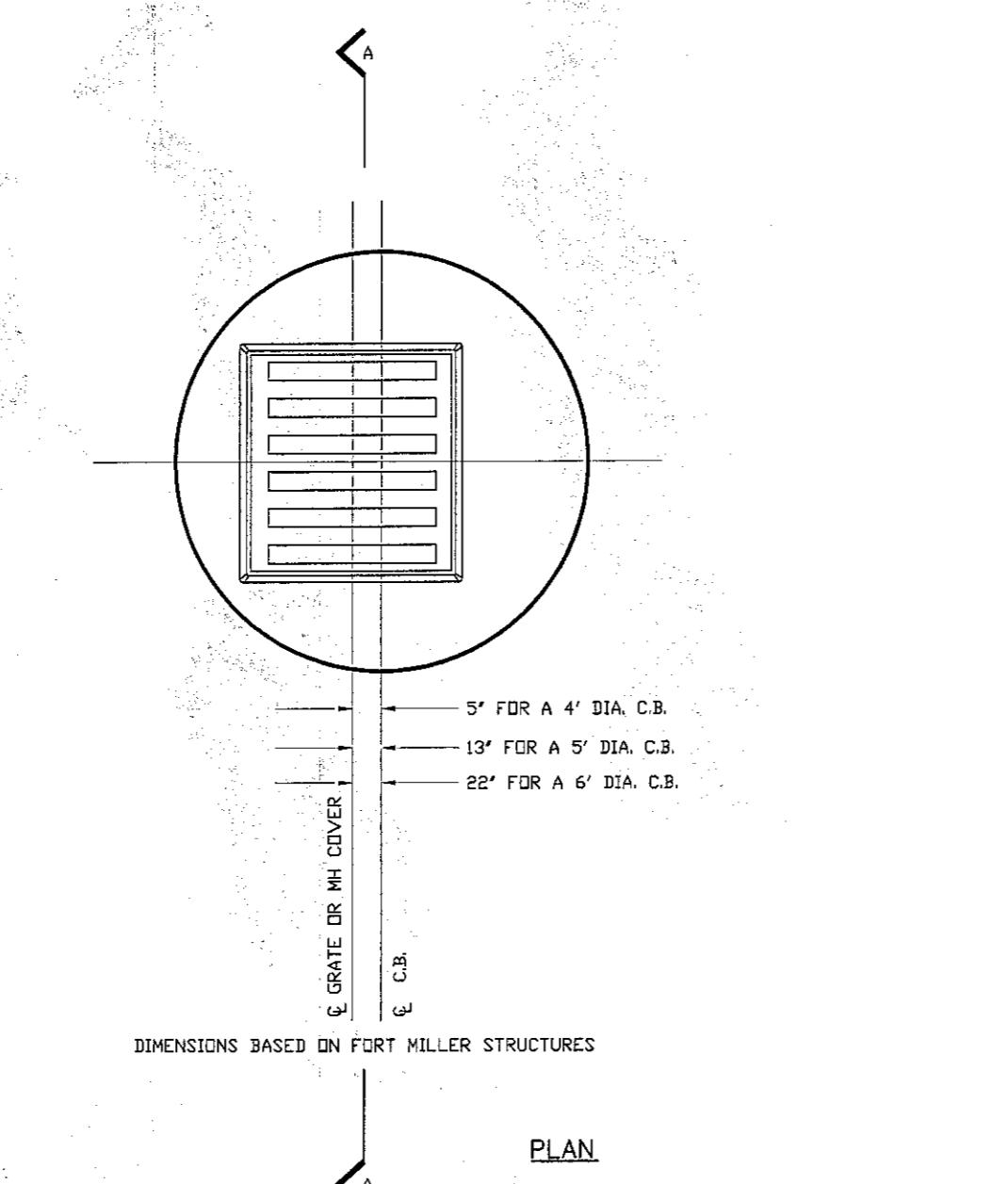
CHECK DAM

SCALE: NONE

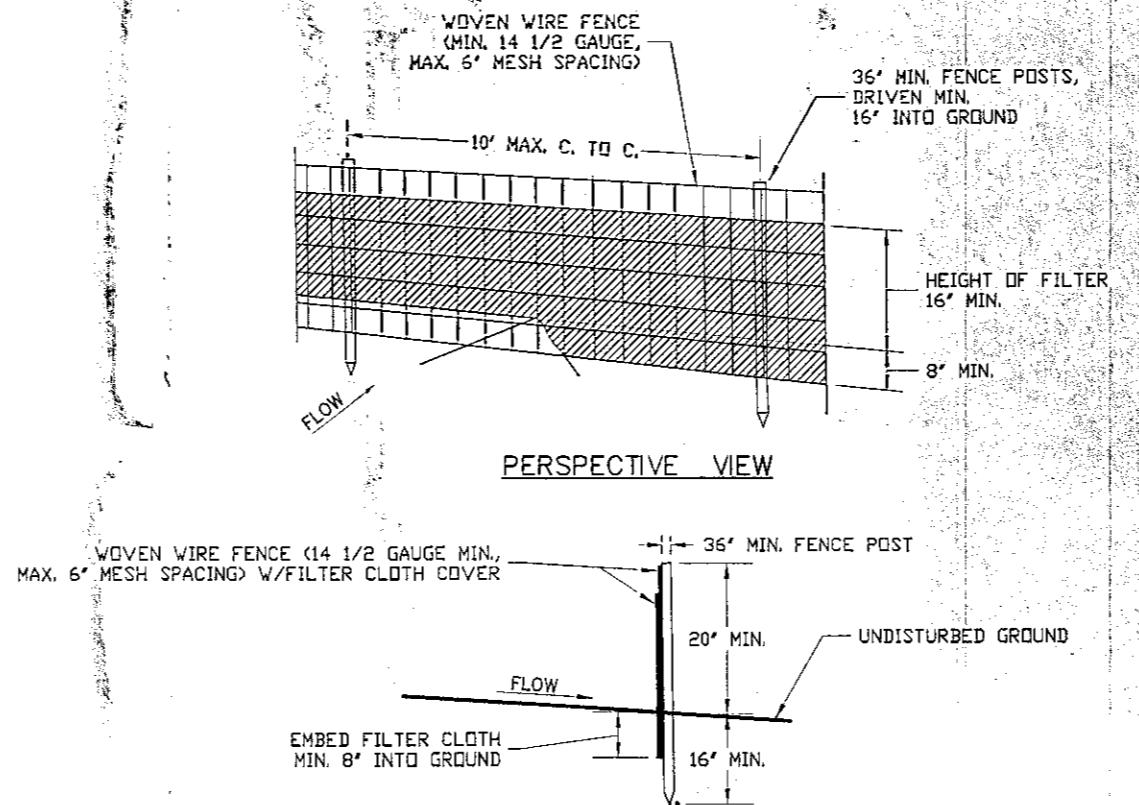


UNDERDRAIN DETAIL

SCALE: NONE (AS REQUIRED BY ENGINEER)



PLAN



PERSPECTIVE VIEW

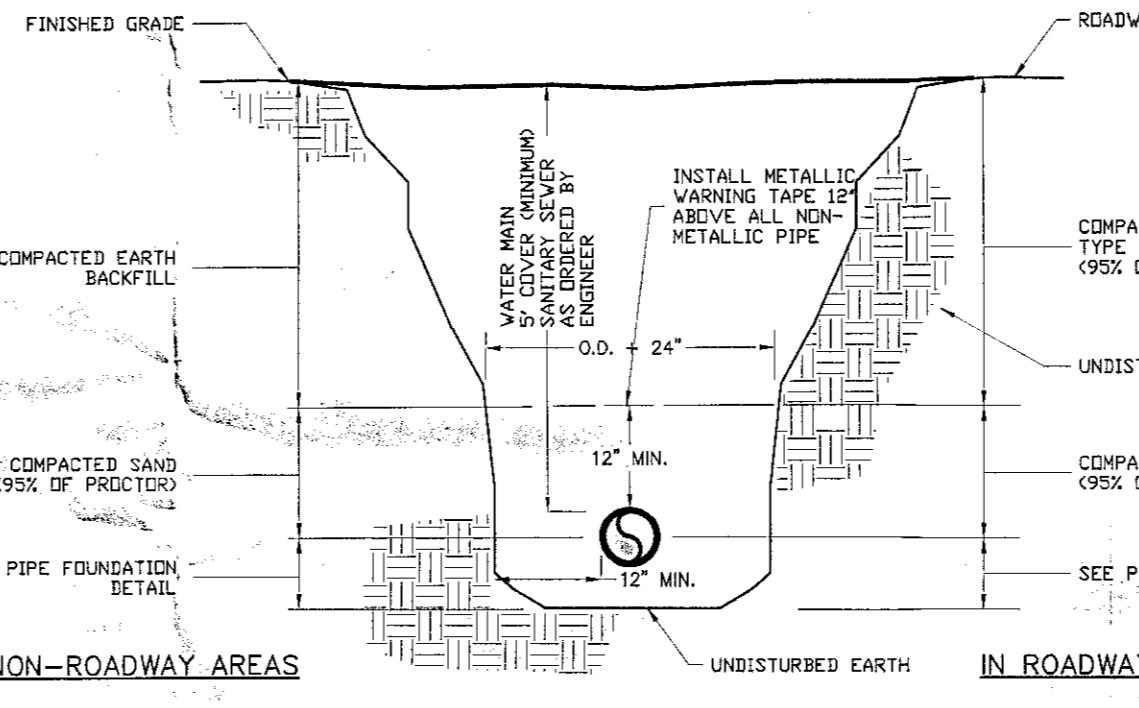
SECTION

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH TIES OR STAPLES. POSTS: STEEL, EITHER T-DR U TYPE OR 2" HARDWOOD.
- FILTER CLOTH TO BE FASTENED SECURELY TO FENCE: WOVEN WIRE, 14 1/2 GA. 6" MAX. MESH OPENING.
- WHEN TWO SECTIONS OF FILTER CLOTH FILTER CLOTH: FILTER X, FILTER 100X, STABILINKA ARE JOINED, THE FILTER CLOTH MUST BE OVERLAPPED BY SIX INCHES AND FOLDED.
- Maintenance shall be performed as PREFABRICATED UNIT: GEOPAB, required and material removed when ENVIRONFENCE, OR APPROVED equal to the above method provided that the unit is installed per DETAILS SHOWN ABOVE.

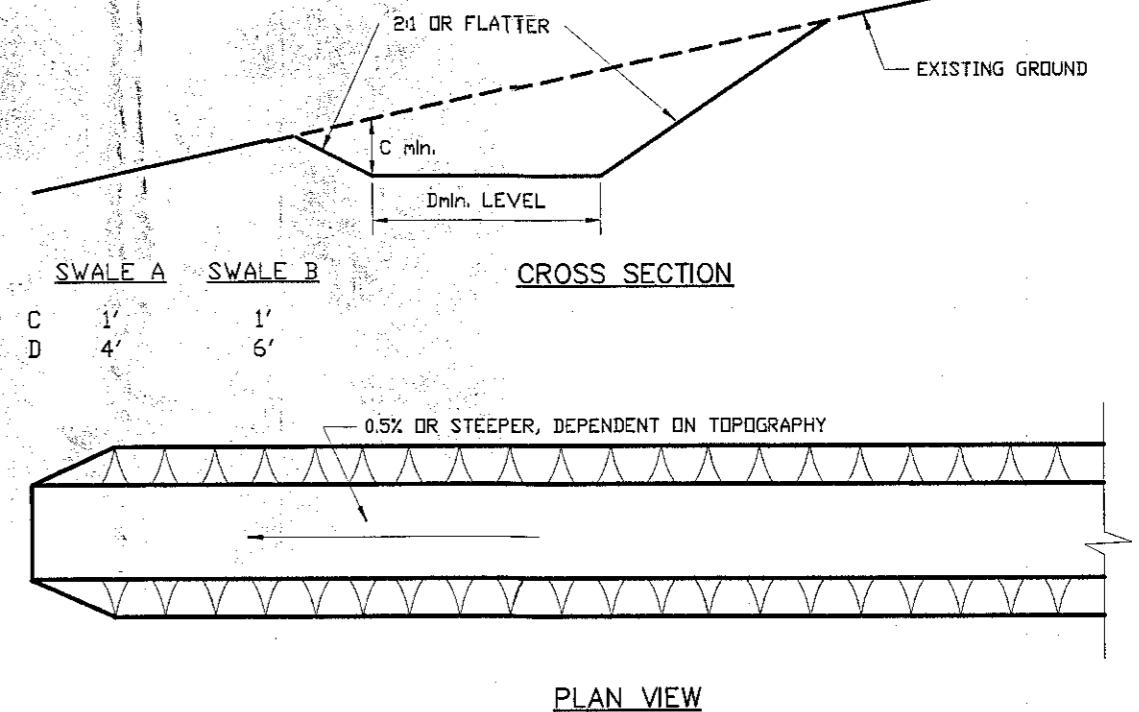
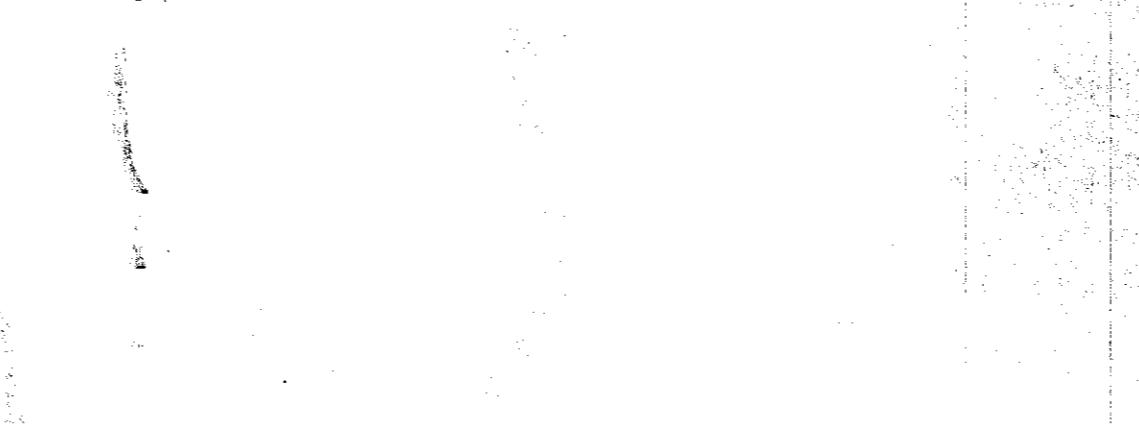
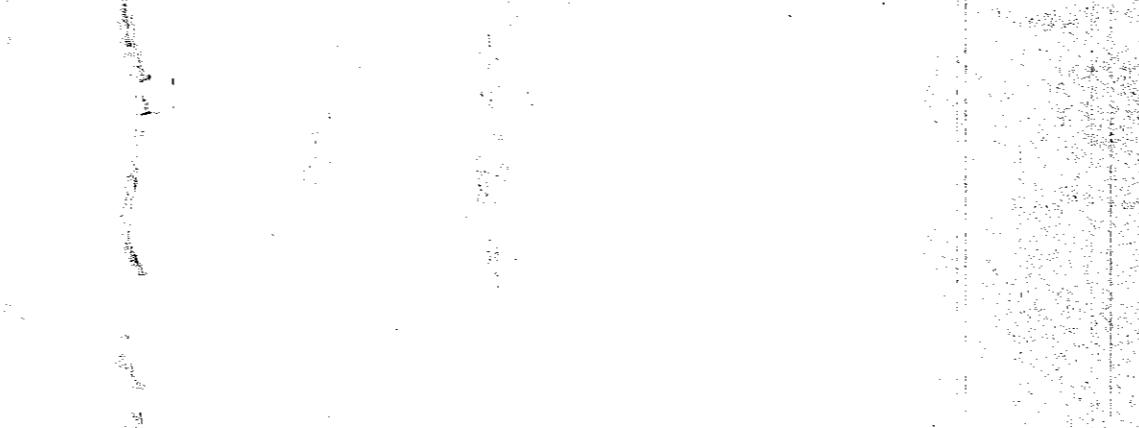
SILT FENCE

SCALE: NONE



TYPICAL TRENCH DETAIL

SCALE: NONE



PLAN VIEW

CONSTRUCTION SPECIFICATIONS

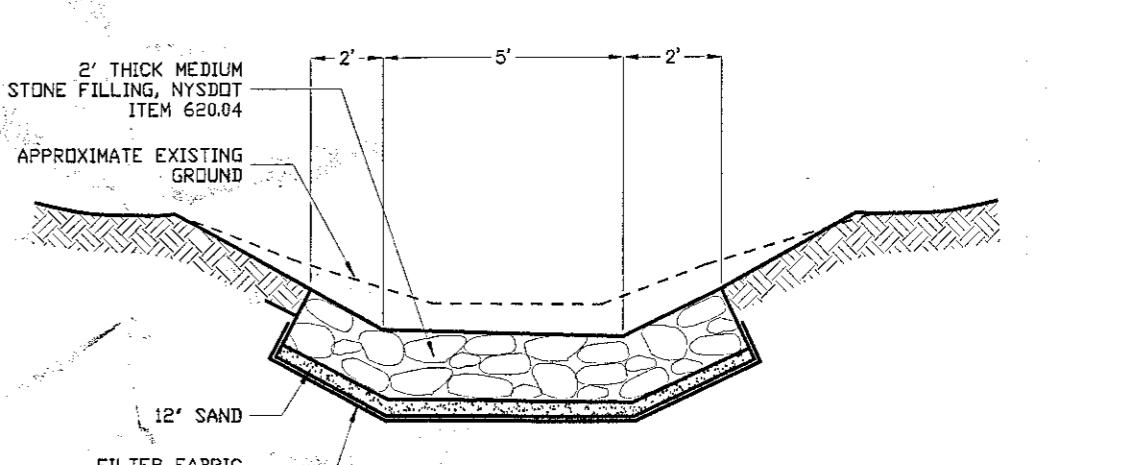
- ALL TEMPORARY SWALES SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET.
- DIVERTED RUNOFF FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE.
- DIVERTED RUNOFF FROM AN UNDISTURBED AREA SHALL OUTLET INTO AN UNDISTURBED STABILIZED AREA AT NON-EROSION VELOCITY.
- ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE SHEDDED, REMOVED, AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE SWALE.
- THE SWALE SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION, AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN, AND BE FREE OF BANK PROJECTIONS OR OTHER IRREGULARITIES WHICH WILL IMPEDIE NORMAL FLOW.
- FILLS SHALL BE COMPACTED BY EARTH MOVING EQUIPMENT.
- ALL EARTH REMOVED, AND IF NEEDED ON CONSTRUCTION, SHALL BE PLACED SUCH THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE SWALE.
- STABILIZATION SHALL BE AS PER THE CHART BELOW.

TYPE OF TREATMENT	CHANNEL GRADE	A (SAC OR LESS)	B (S AC - 10 AC)
1	0.5-3.0%	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3.1-5.0%	SEED AND STRAW MULCH	SEED AND STRAW MULCH EXCL. SOD
3	5.1-6.0%	SEED WITH JUTE OR EXCLOSING SOD	LINED WITH 4-8" RIP-RAP RECYCLED CONCRETE EQUIVALENT
4	6.1-20%	LINED WITH 4-8" RIP-RAP	ENGINEERED DESIGN

9. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.

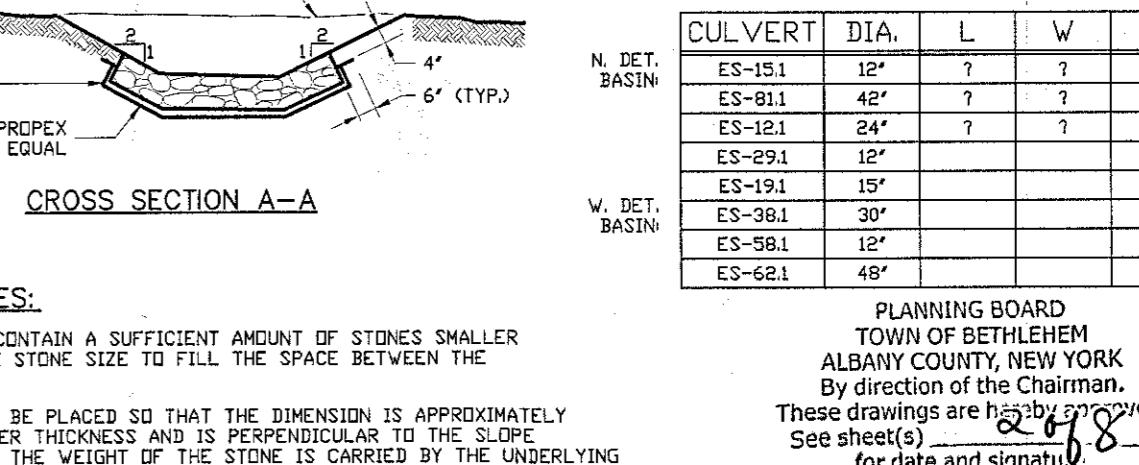
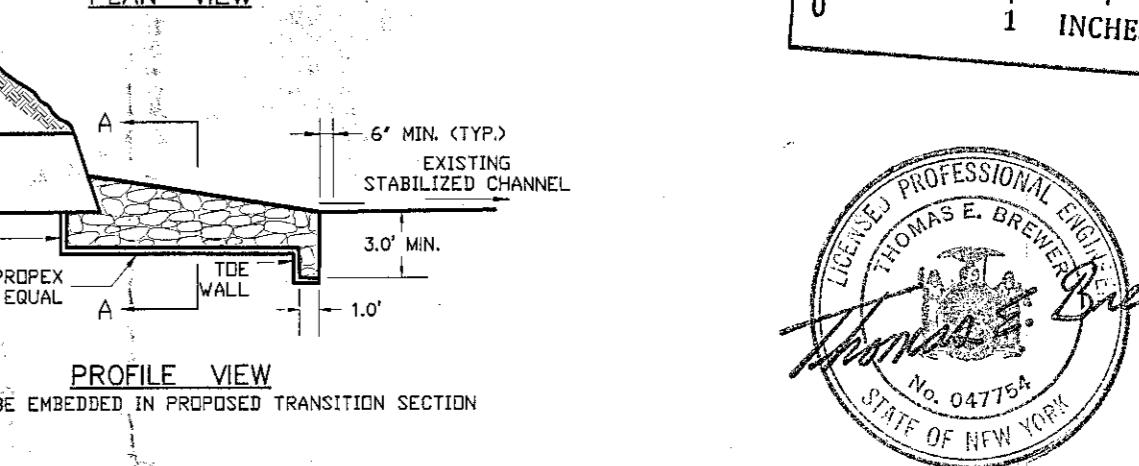
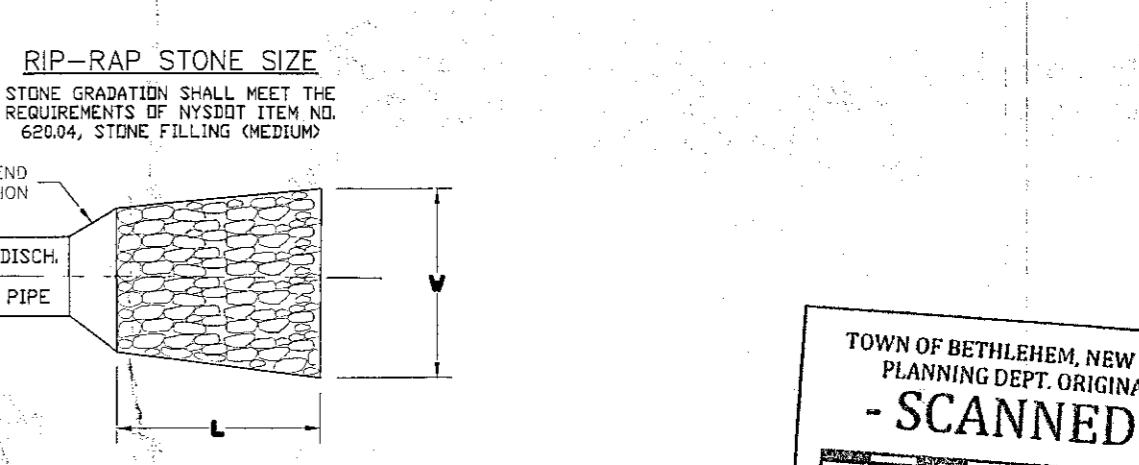
TEMPORARY DIVERSION SWALE DETAIL

SCALE: NONE



RIP-RAP DITCH SECTION

SCALE: NONE



DRAWN BY:	JDF	DATE:	04/01/2015	CHEKED BY:	TB	SCALE:	AS SHOWN
REVISION:		DATE:		REVISION:		DATE:	
TOWN OF BETHLEHEM, NEW YORK PLANNING DEPT. ORIGINAL - SCANNED -							
0 1 INCHES 2							