

### ATTACHED BY STRAPS BOLTED TO THE TOP OF THE RISER. CONCENTRIC TRASH RACK

\* REFER TO FIGURE 5A.29(2) CONCENTRIC TRASH RACK AND

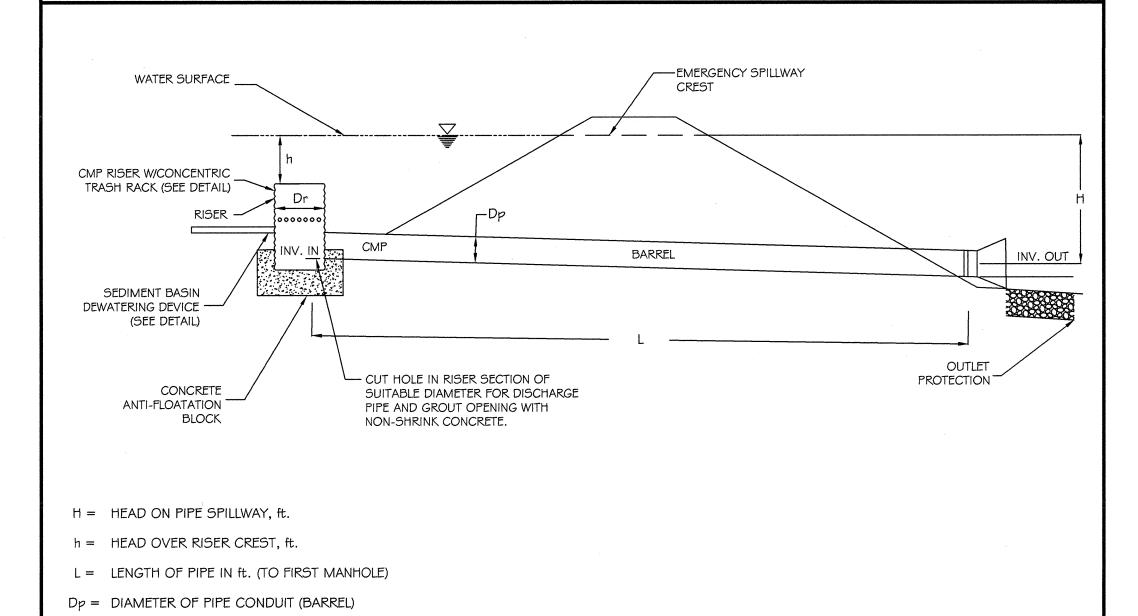
ANTI-VORTEX DEVICE DESIGN TABLE IN NEW YORK STATE STANDARDS

AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL MANUAL

N.T.S

I. THE CYLINDER MUST BE FIRMLY FASTENED TO THE TOP OF THE

2. SUPPORT BARS ARE WELDED TO THE TOP OF THE RISER OR



### W/ MAX. 6" MESH SPACING) 10' MAX. C. TO C. -36" MIN. LENGTH FENCE POSTS DRIVEN MIN. 16" INTO GROUND. HEIGHT OF FILTER = 16" MIN. 36" MIN. FENCE POST WOVEN WIRE FENCE (MIN. 14 1/2 GAUGE W/ -MAX. 6" MESH SPACING) WITH FILTER CLOTH - UNDISTURBED GROUND COMPACTED SOIL -EMBED FILTER CLOTH A MIN. OF 6" IN GROUND. SECTION VIEW

WOVEN WIRE FENCE (MIN. 14 1/2 GAUGE

### CONSTRUCTION SPECIFICATIONS

- I. 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. 2. 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 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.

"BULGES" DEVELOP IN THE SILT FENCE.

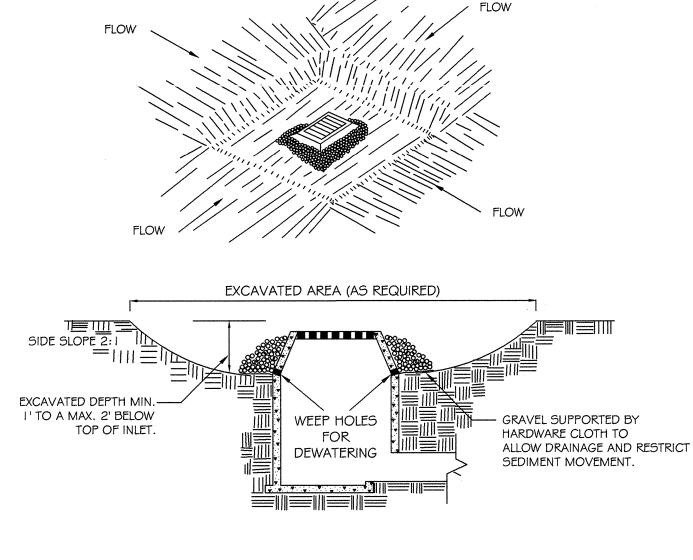
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT 5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN

### SILT FENCE RIPRAP OUTLET PROTECTION EXAMPLE

RISER

NOTE: APRON @ ZERO GRADE

SIDE SLOPE 2:1



### CONSTRUCTION SPECIFICATIONS

- I. CLEAR THE AREA OF ALL DEBRIS THAT WILL HINDER EXCAVATION.
- 2. GRADE APPROACH TO THE INLET UNIFORMLY AROUND THE BASIN. 3. WEEP HOLES SHALL BE PROTECTED BY GRAVEL.
- 4. UPON STABILIZATION OF CONTRIBUTING DRAINAGE AREA, SEAL WEEP HOLES, FILL BASIN WITH STABLE SOIL TO FINAL GRADE, COMPACT IT PROPERLY AND STABILIZE WITH PERMANENT SEEDING. MAXIMUM DRAINAGE AREA I ACRE

# BURIED FABRIC "MIN. CONSTRUCTION SPECIFICATIONS

CROSS SECTION A-A

<u>PLANVIEW</u>

GRADED AGGREGATE ----

FILTER OR FILTER CLOTH

FILTER OR FILTER CLOTH

A----

- 1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
- 2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE
- 3. STAKE MATERIALS WILL BE STANDARD 2" x 4" WOOD OR EQUIVALENT METAL WITH A MINIMUM LENGTH OF 3 FEET
- 4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A
- MINIMUM 18 INCHES DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
- 5. FABRIC SHALL BE EMBEDDED I FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
- 6. A 2" x 4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY. MAXIMUN DRAINAGE AREA I ACRE

## - 6" THK. OF 1" - 1 1/2" CRUSHED STONE FILTER FABRIC-TREVIRA #1127 COMPACTED SUBGRADE OR APPROVED EQUAL. <u>PLAN</u>

I. ENTRANCE SHALL BE MAINTAINED AS CONDITIONS DEMAND TO PREVENT TRACKING OF SEDIMENT ONTO PUBLIC RIGHTS OF WAY.

- 2. A CRUSHED STONE, VEHICLE WHEEL-CLEANING BLANKET WILL BE INSTALLED WHENEVER A CONSTRUCTION ACCESS ROAD INTERSECTS ANY PAVED ROADWAY. SAID BLANKET WILL BE COMPOSED OF 6" DEPTH OF 1"-1 1/2" CRUSHED STONE, WILL BE AT LEAST 30' X 100' MINIMUM AND SHOULD BE PLACED ON COMPACTED SUB-GRADE AND SHALL BE MAINTAINED.
- ALL SEDIMENTATION STRUCTURES WILL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS. ALL DRIVEWAYS MUST BE STABILIZED WITH I" I 1/2" CRUSHED STONE OR SUB-BASE PRIOR TO INDIVIDUAL HOME CONSTRUCTION.
- 4. PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.

DISCHARGE TO UNCONFINED

STABILIZED

SEE RIPRAP STANDARDS AND

SPECIFICATIONS

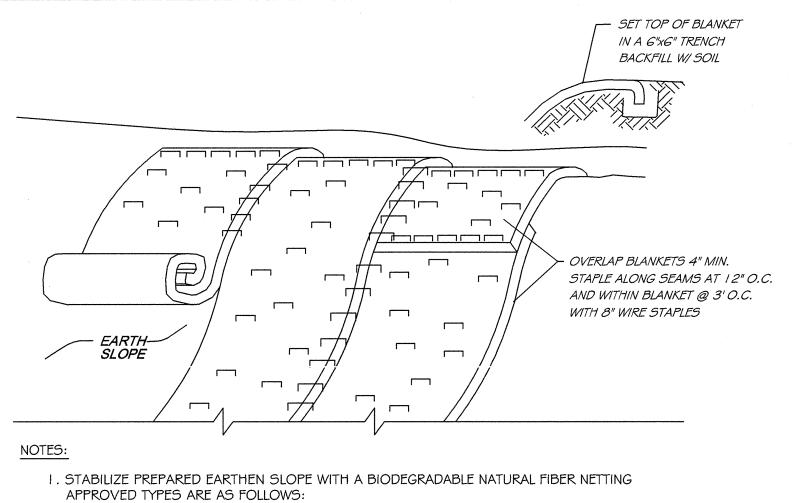
(FLARED OUTLET) (MINIMUM TAILWATER

CONDITION)

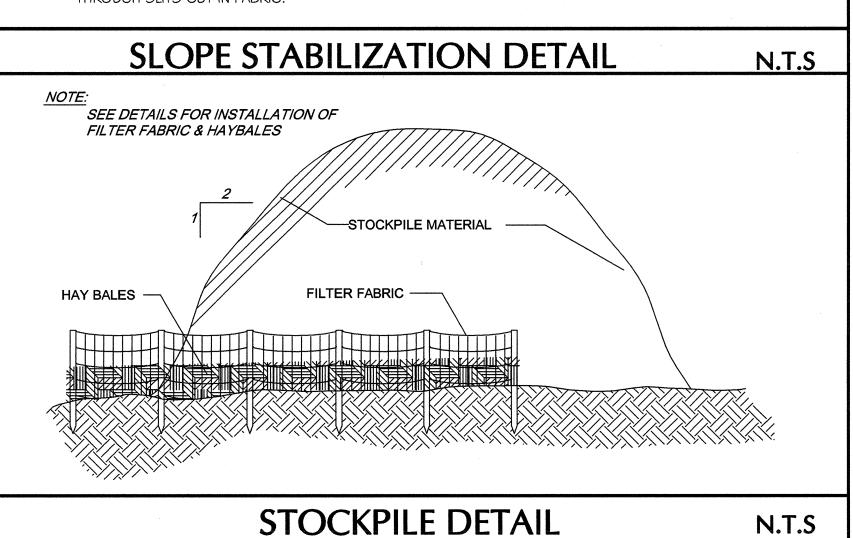
- 5. ALL CATCH BASIN INLETS WILL BE PROTECTED WITH A CRUSHED STONE OR HAYBALE FILTER (FILTER DETAILS APPEAR ON PLAN).
- 6. ALL STORM DRAINAGE OUTLETS WILL BE STABILIZED, AS REQUIRED, BEFORE DISCHARGE POINTS BECOME OPERATIONAL.

### STABILIZED CONSTRUCTION ENTRY

N.T.S



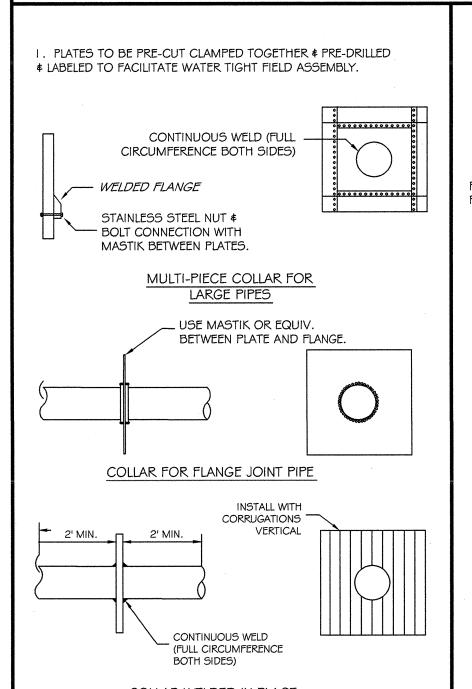
- -C350 -NORTH AMERICAN GREEN #1-800-772-2040 -ECOCOIR 9000- EASTERN PRODUCTS, INC. #1-201-234-5050 -ERO-MAT V | 25C- EROSION CONTROL TECH. #1-800-245-055 | -ALL SLOPE RESTORATION TO GET 4" TOPSOIL
- 2. SEED SLOPE PRIOR TO INSTALLING EROSION CONTROL NETTING. 3. AFTER NETTING IS INSTALLED, PLANT GROUND-COVER, TREES & FORSYTHIA THROUGH SLITS CUT IN FABRIC.



### SEDIMENT BASIN OUTLET CONTROL STRUCTURE

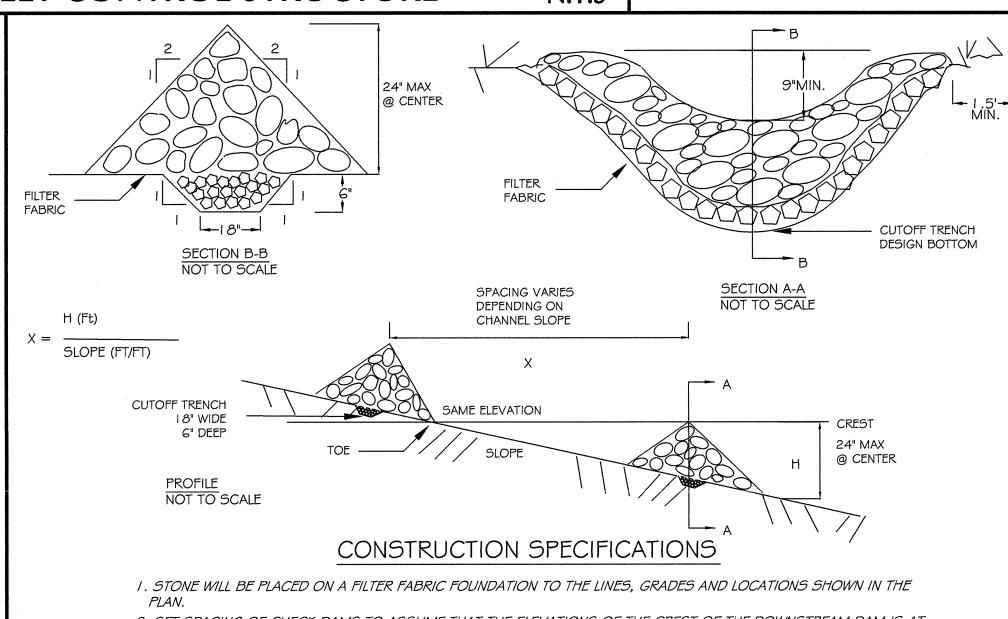
**EXCAVATED DROP INLET PROTECTION** 

FILTER FABRIC DROP INLET PROTECTION



**ANTI-SEEP COLLARS** 

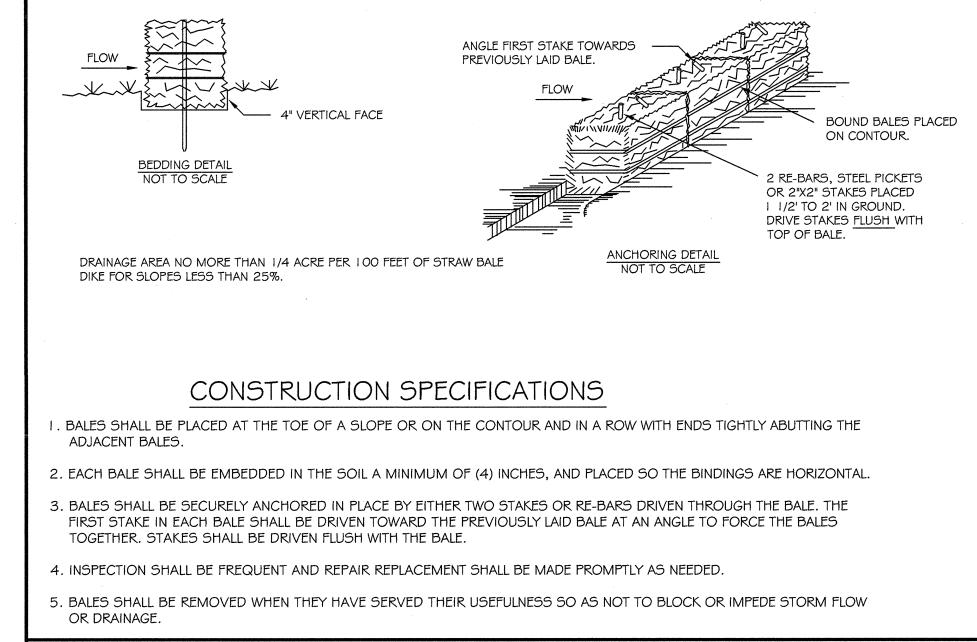
Dr = DIAMETER OF RISER



TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE. MAXIMUM DRAINAGE AREA 2 ACRES.

STONE CHECK DAM

2. SET SPACING OF CHECK DAMS TO ASSUME THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM. 3. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM. 4. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE. 5. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT



STRAW BALE SEDIMENT BARRIER UNAUTHORIZED ALTERATION OR ADDITION TO PLANS BEARING A LICENSED PROFESSIONAL ENGINEERS SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF N.Y. STATE EDUCATIONAL LAW.

ELANGAN **CHESTER** River Drive Center 1 619 River Drive **DEVELOPMENT** Elmwood Park, NJ 07407 P: 201.794.6900 F: 201.794.0366 www.langan.com VILLAGE OF CHESTER

Drawing Title SOIL EROSION & SEDIMENT CONTROL **DETAILS** 

N.T.S

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ORANGE COUNTY **NEW YORK** 

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BRYAN M. WAISNOR PROFESSIONAL ENGINEER N.Y. LIC. No.080661-1

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