

MAXIMUM ALLOWABLE SLOPE LENGTH
MAXIMUM ALLOWABLE SLOPE LENGTHS CONTRIBUTING RUNOFF TO A SECTION OF SILT FENCE SHALL BE AS FOLLOWS:

SLOPE STEEPNESS:	MAX. SLOPE LENGTH:
1:2	25 FT
1:3	50 FT
1:4	75 FT
1:5 OR FLATTER	100 FT

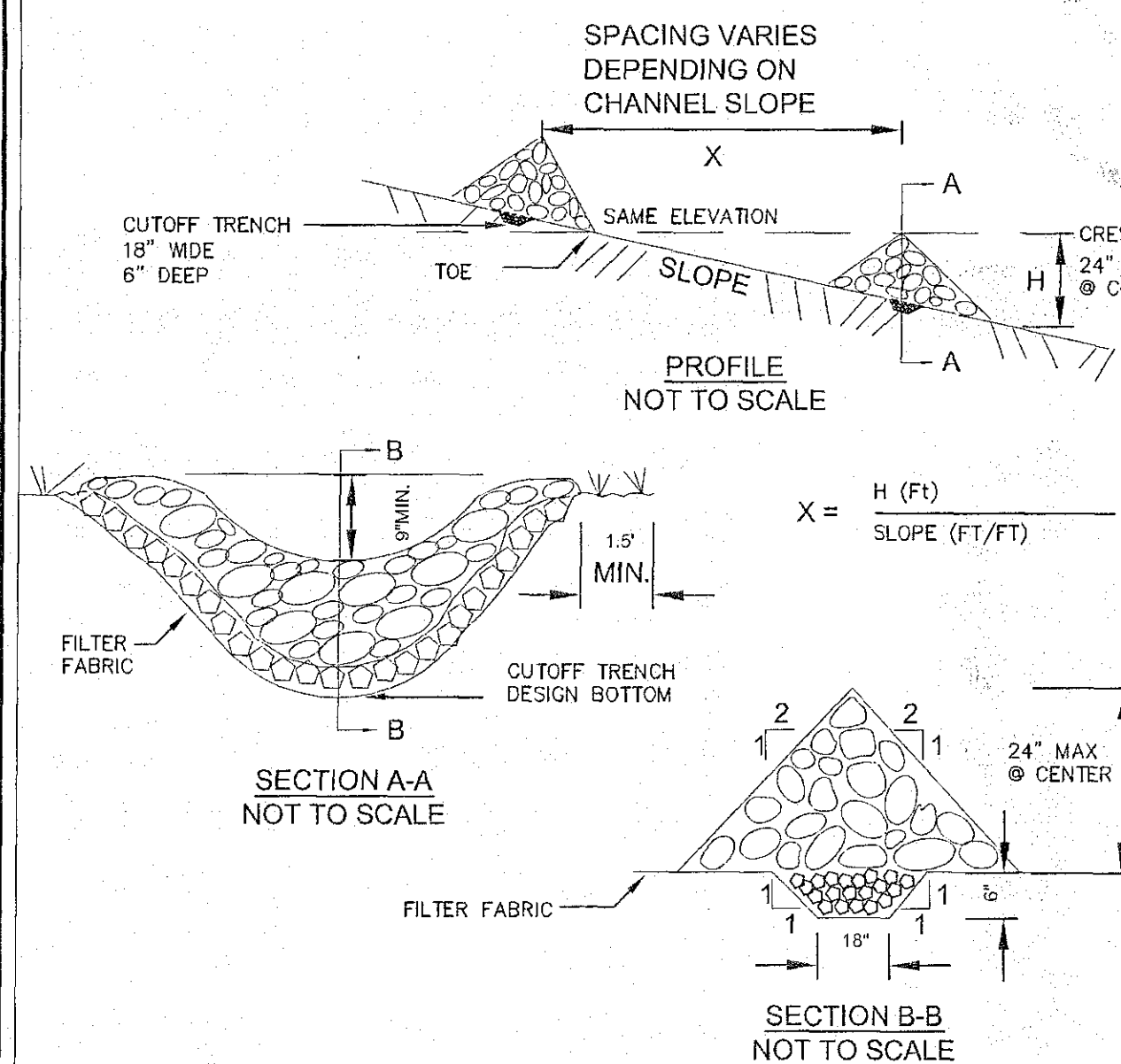
NOTE:
MAXIMUM DRAINAGE AREA FOR OVERLAND FLOW TO SILT FENCE SECTION SHALL NOT EXCEED 1/4 ACRE PER 100 FT OF FENCE. CONCENTRATED DISCHARGE OF SEDIMENT LADEN WATER SHALL NOT BE ALLOWED TO FLOW DIRECTLY TO THE FENCING.

SILT FENCE DETAIL
NOT TO SCALE

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

- INSTALL SILT FENCE IN ACCORDANCE WITH THE "NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL", SECTION 7A.
- FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE WRAPPED TOGETHER PER DETAIL 4 ON THIS PAGE.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SEDIMENT REMOVED WHEN ACCUMULATION REACHES 1/2 OF DESIGN CAPACITY OF FENCE (1/2 HEIGHT OF FILTER FABRIC) OR WHEN "BULGES" DEVELOP IN FENCING.

POSTS: STEEL EITHER "I" OR "U" TYPE OR 2" HARDWOOD
FILTER CLOTH: FILTER X, MIRAFI 100X, STABILINKA T140N OR APPROVED EQUAL
PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL

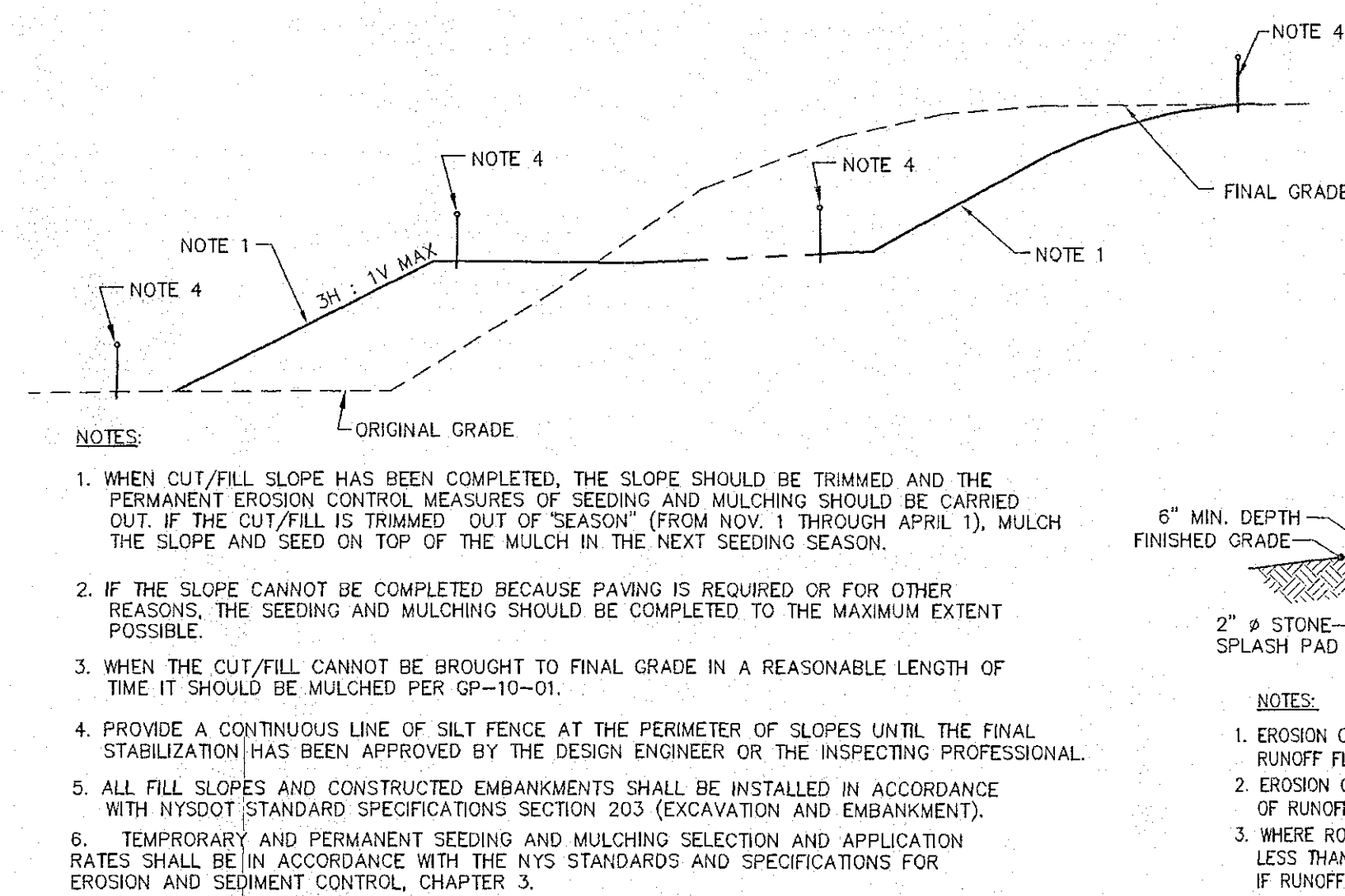


CONSTRUCTION SPECIFICATIONS

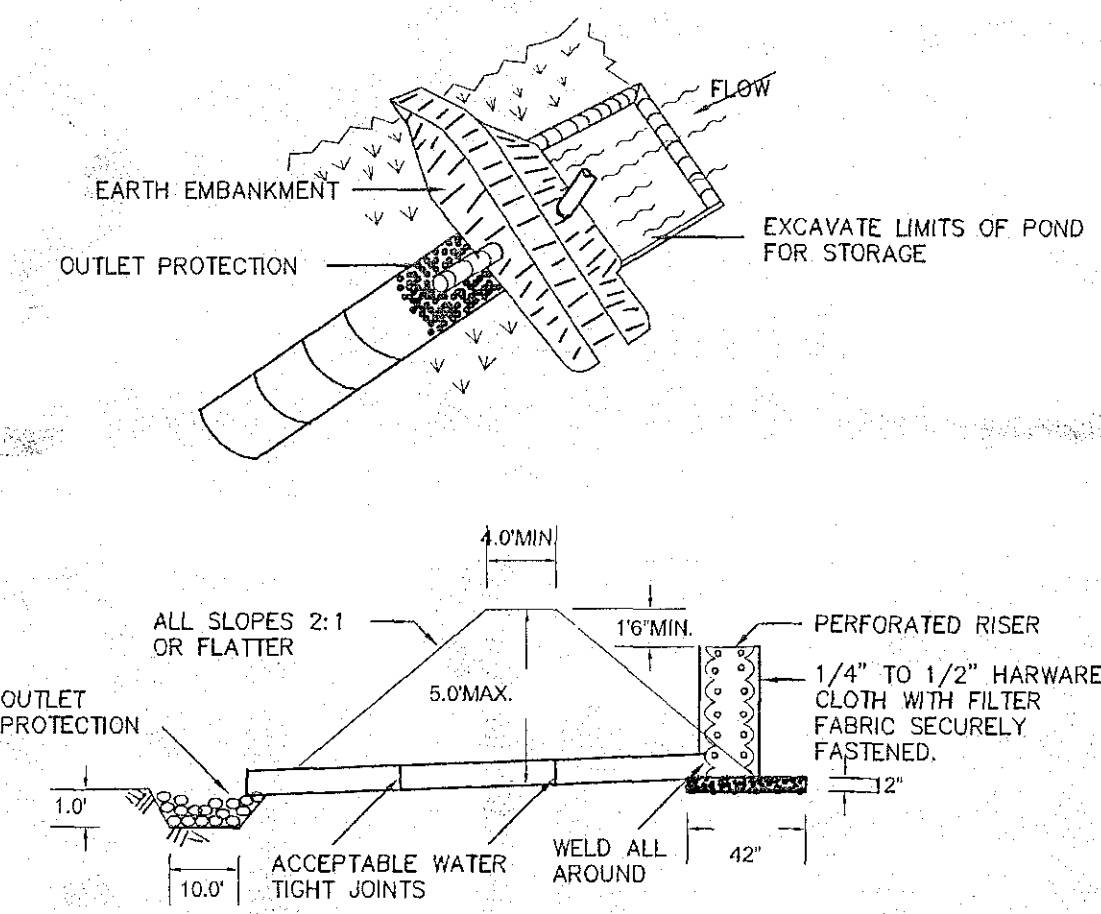
- STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN IN THE PLAN.
- SET SPACING OF CHECK DAMS TO ASSUME THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.
- EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND 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 LINER AS APPROPRIATE.
- ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE.

MAXIMUM DRAINAGE AREA 2 ACRES.

STONE CHECK DAM DETAIL
NOT TO SCALE



SEEDING AND MULCHING GUIDES - CUT/FILL SLOPES
NOT TO SCALE



EMBANKMENT SECTION THRU RISER
NOTE: RISER EMBEDDED 6" INTO CONCRETE OR 1/4" METAL PLATE WELDED ALL AROUND.

SIZES OF PIPE:
BARREL DIAMETER: 12"
RISER DIAMETER: 12"
SEDIMENT TRAP STATISTICS:
TOP EL.=152.00
BOTTOM EL.=148.00
MAX. DRAINAGE AREA TO TRAP=2.50 ACRES
REQUIRED SEDIMENT STORAGE VOL.: 9360CF
SEDIMENT CLEANOUT VOL.: 4150CF (APPROX. EL. 149.00)

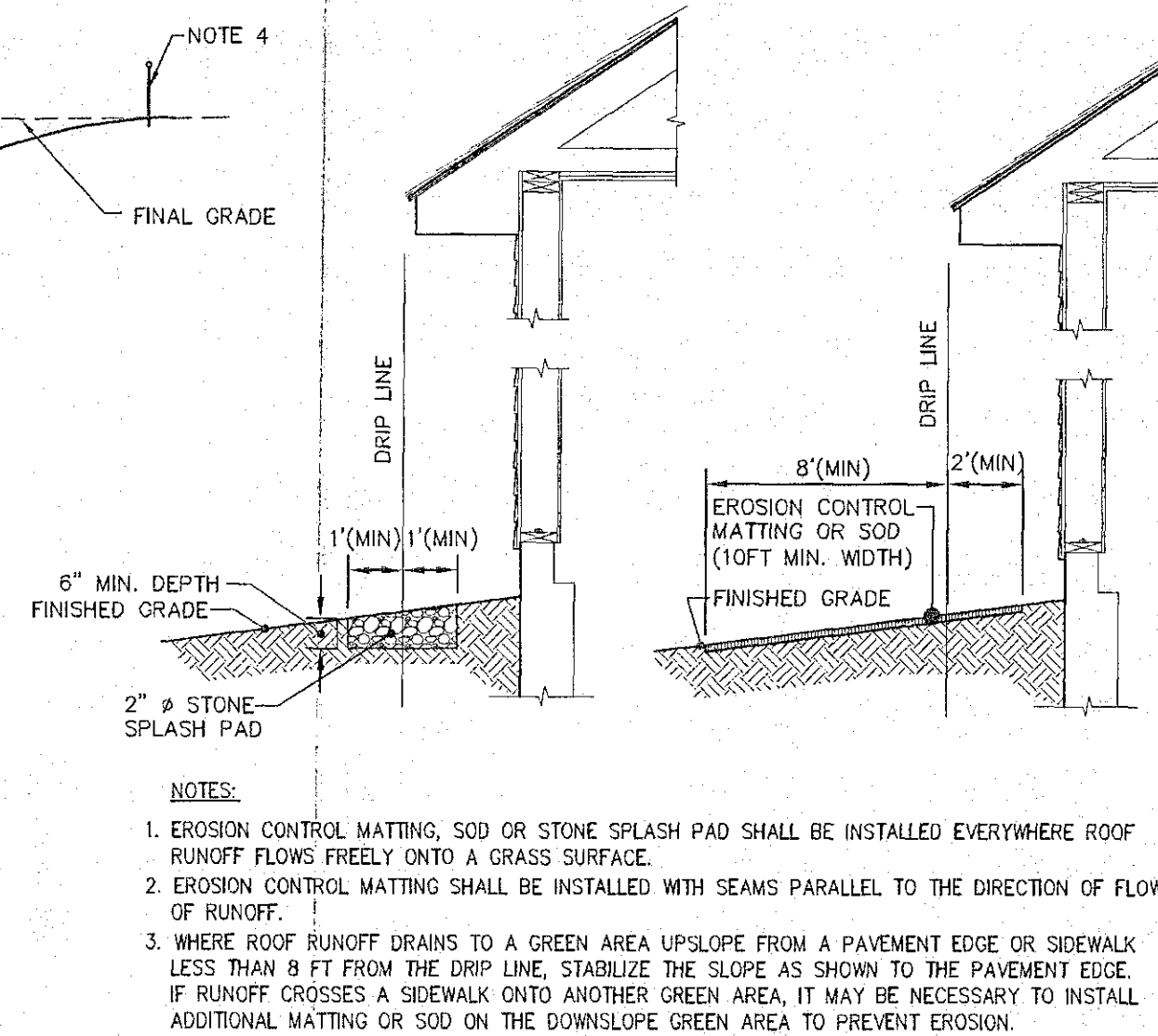
TEMPORARY SEDIMENT TRAP DETAIL
NOT TO SCALE

- NOTES:
- TRAP SHALL BE ROUTINELY CLEARED OF SEDIMENT ONCE LEVELS REACH ELEVATION NOTED.
 - PRIOR TO COMPLETION OF CONSTRUCTION TRAP SHALL BE CLEARED OF SEDIMENT AND GRADED TO ELEVATIONS SHOWN ON PLAN.
 - UPON STABILIZATION OF CONSTRUCTION AREA RISER SHALL BE REMOVED AND REPLACED BY THE PERMANENT OUTLET CONTROL STRUCTURE.

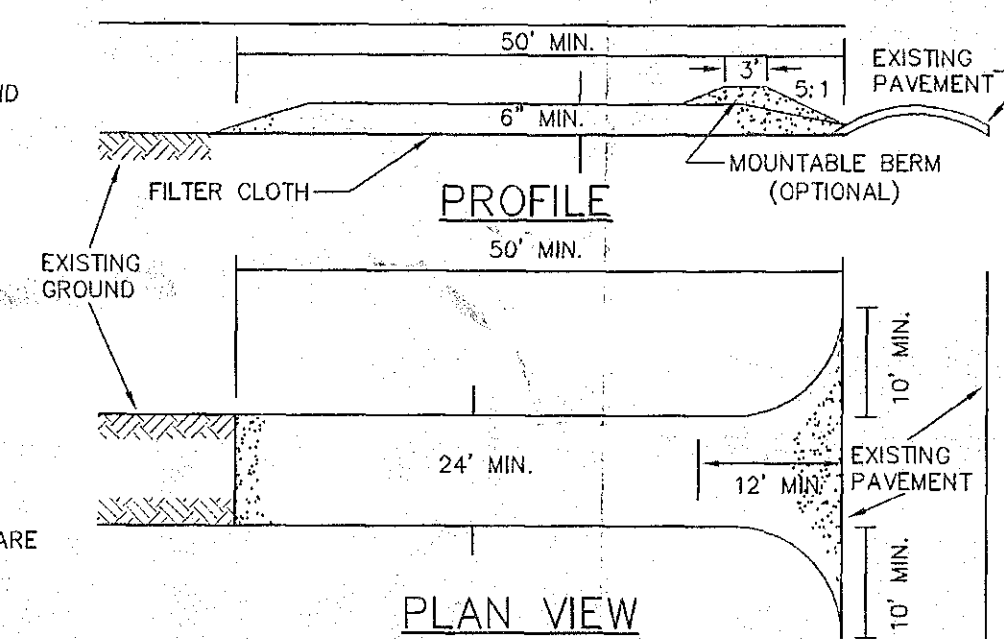
Town of Bethlehem Planning Board
By direction of the Chairman
these plans are hereby Approved.
See first sheet for date & signature.

PLANNING BOARD APPROVAL

NOTE: 48 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL CONTACT DIG SAFELY NEW YORK TO LOCATE ALL UNDERGROUND UTILITIES. 1-800-962-7962



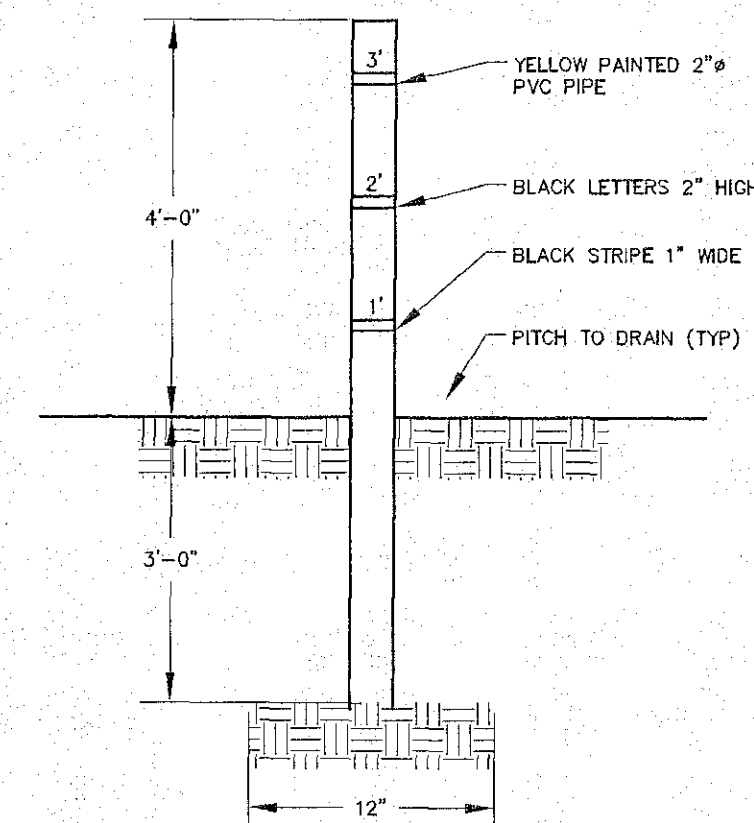
TYPICAL SLOPE PROTECTION FROM ROOF RUNOFF
NOT TO SCALE



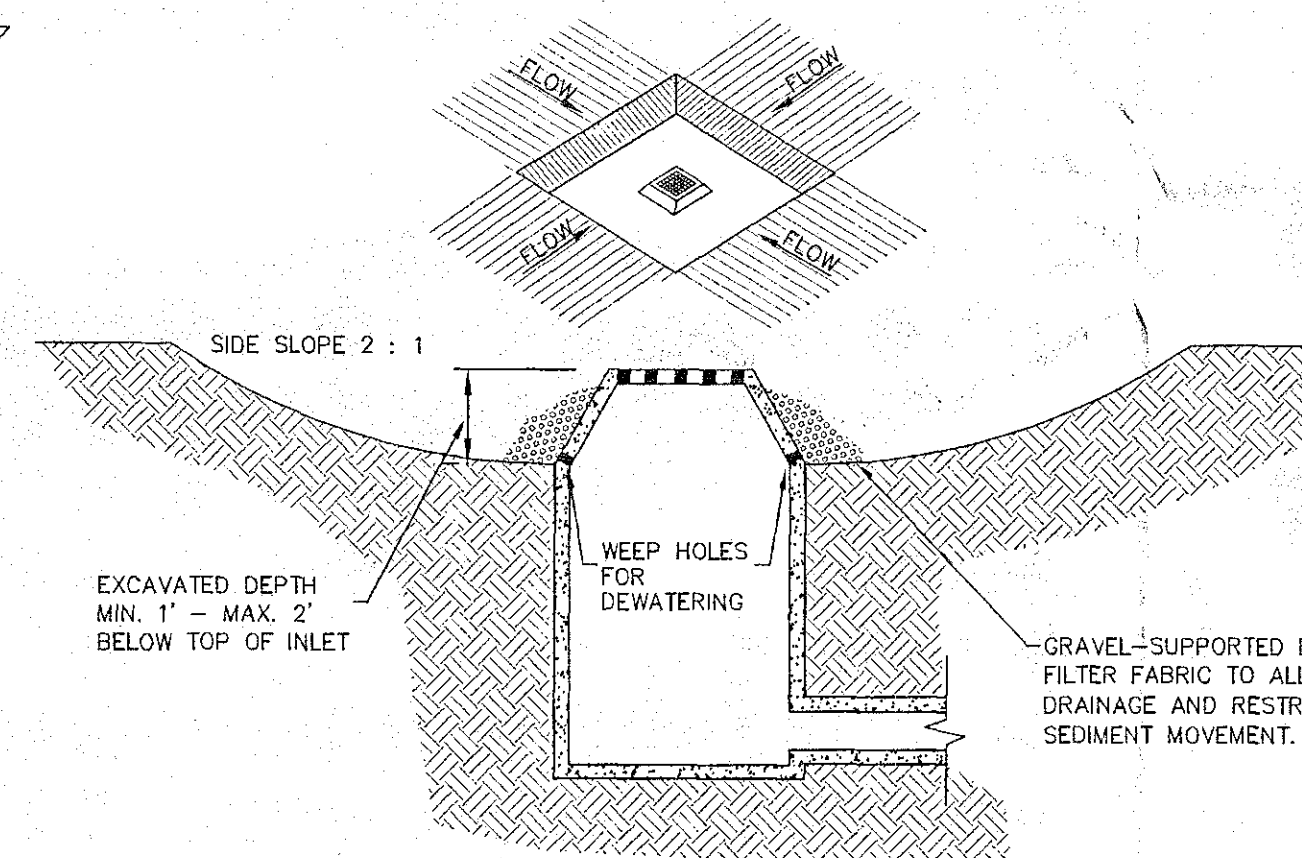
CONSTRUCTION SPECIFICATIONS

- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FEET MINIMUM LENGTH WOULD APPLY).
- THICKNESS - 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.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

STABILIZED CONSTRUCTION
ENTRANCE DETAILS
NOT TO SCALE



SEDIMENT DEPTH
MARKER DETAIL (TYP)
NOT TO SCALE



EXCAVATED DROP INLET
PROTECTION DETAILS FOR
UNPAVED AREAS
NOT TO SCALE

CONSTRUCTION SPECIFICATIONS:

- CLEAR THE AREA OF ALL DEBRIS THAT WILL HINDER EXCAVATION.
- GRADE APPROACH TO THE INLET UNIFORMLY AROUND THE BASIN.
- WEEP HOLES SHALL BE PROTECTED BY GRAVEL.
- THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
- CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION SHALL BE MINIMIZED.
- 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 1 ACRE.

ESM - ENVIRONMENTAL SEED MIX (ENVIRONMENTAL SEED MIX IS NOT TO BE USED IN ANY WETLAND AREAS)

GRASS NAMES	PERCENT BY WEIGHT
KENTUCKY BLUE GRASS	15%
PERENNIAL RYE GRASS	20%
TIMOTHY	15%
ORCHARD GRASS	10%
BIRDSFOOT TREFOIL	15%
RED CLOVER	10%
TALL FESCUE	10%
REED CANARY GRASS	05%

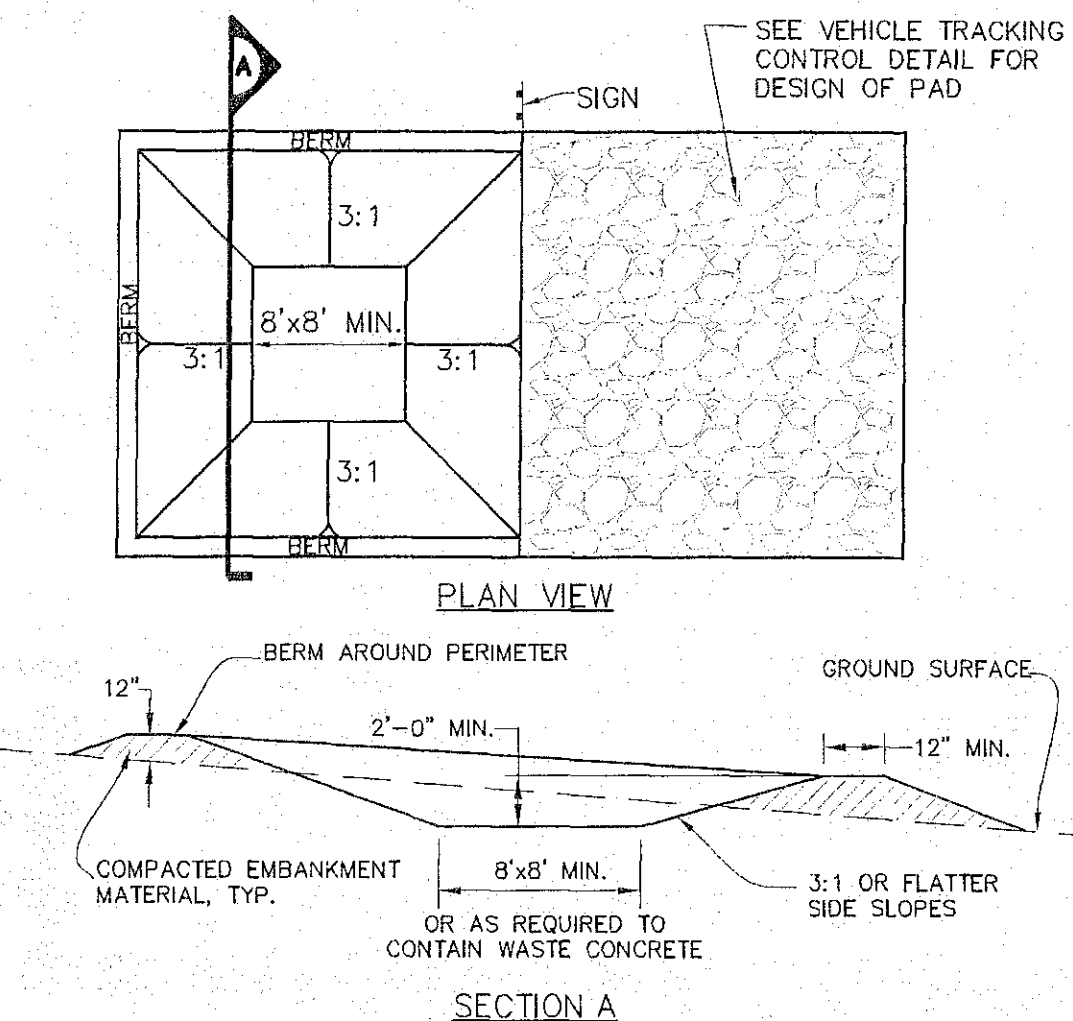
SEED AT 20 LBS./ACRE ABOVE 100 YR. STORM EL.

WHM - WETLAND HUMMOCK SEED MIX (SOUTHERN TIER CONSULTING, INC.)

CAREX VULPINOIDEA	FOX SEDGE	20%
LEERSIA ORYZOIDES	RICE CUT GRASS	15%
CAREX LURIDA/CRINITA	SEDGE	15%
JUNCUS EFFUSUS	SOFT RUSH	20%
SCIRPUS ATROVIRENS/CYPERINUS	BULRUSH	15%
CAREX COMOSA/INTUMESCENS	SEDGE	15%

SEED AT 4 LBS./ACRE ON SATURATED GROUND BETWEEN THE PERM. POOL EL. AND THE 100 YR. STORM EL.

**REFER TO TABLES 3.7 & 3.8 OF NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION CONTROL FOR MULCHING REQUIREMENTS.



CONCRETE WASHOUT AREA INSTALLATION NOTES

- SEE PLAN VIEW FOR LOCATIONS OF CONCRETE WASHOUT AREA
- THE CONCRETE WASHOUT AREA SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ON SITE.
- VEHICLE TRACKING CONTROL IS REQUIRED AT THE ACCESS POINT.
- SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE WASHOUT AREA, ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT AREA TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.
- EXCAVATED MATERIAL SHALL BE UTILIZED IN PERIMETER BERM CONSTRUCTION

CONCRETE WASHOUT AREA MAINTENANCE NOTES

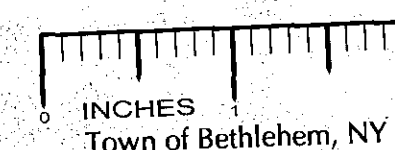
- THE CONCRETE WASHOUT AREA SHALL BE REPAIRED AND ENLARGED OR CLEANED NECESSARY TO MAINTAIN CAPACITY FOR WASTED CONCRETE.
- AT THE END OF CONSTRUCTION, ALL CONCRETE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN APPROVED WASTE SITE.
- WHEN THE CONCRETE WASHOUT AREA IS REMOVED, COVER THE DISTURBED SOIL WITH DRILL SEED AND CRIMP MULCH OR OTHERWISE STABILIZE IN A MANNER APPROPRIATE TO THE JURISDICTION.
- INSPECT WEEKLY, DURING AND AFTER ANY STORM EVENT.

CONCRETE WASHOUT AREA DETAIL
NOT TO SCALE

ALBANY COUNTY DEPARTMENT OF HEALTH DIVISION OF ENVIRONMENTAL HEALTH SERVICES

By direction of the Commissioner of Health, these plans are hereby approved. See first sheet for date and signature.

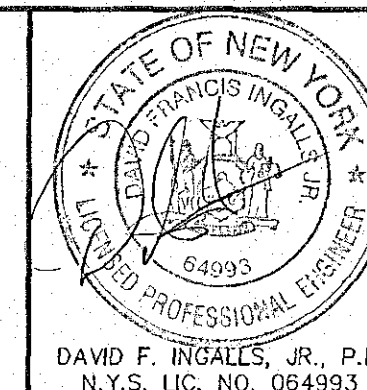
FOR INFORMATION ONLY
NOT FOR CONSTRUCTION



Town of Bethlehem, NY

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2 12/22/11 REVISIONS PER T&E COMMENTS	CDL
1 11/28/11 REVISIONS PER TOWN & T&E COMMENTS	CDL
NO. DATE: REVISIONS	BY:

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ingalls

ingalls & associates, LLP
engineers / surveyors
2003 GULDENLAND AVENUE
SCHENECTADY, N.Y. 12309
PHONE: (518) 393-7725
FAX: (518) 393-9024

EROSION & SEDIMENT CONTROL DETAILS		
1035 ROUTE 9W LOCUST VIEW APARTMENTS		
TOWN OF BETHLEHEM		
COUNTY OF ALBANY		STATE OF NEW YORK
DATE: JANUARY 11, 2011	CHECKED BY: D.F.I. JOB NO. 10-084	SCALE: 1" = 40'
DRAWN BY: C.D.L. CADD FILE: ESC PLAN.DWG		SHEET 7 OF 10