

S.W.P.P. REQUIREMENTS

1. THE CONTRACTOR UNDERTAKING SITE CONSTRUCTION OF THIS PROJECT MUST SIGN THE CERTIFICATION IN THE SWPPP AND BE FAMILIAR WITH ALL REQUIREMENTS OF THE SWPPP AND REQUIREMENTS OF THE NYS DEC 2550 GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITY - PERMIT NO. GP-02-01.
2. THE CONTRACTOR MUST BE RESPONSIBLE TO COMPLY WITH THE TERMS OF THE NYS DEC 2550 GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITY - PERMIT NO. GP-02-01. COPIES OF THE GENERAL PERMIT ARE AVAILABLE BY CALLING DEC (516) 402-8100 AND ON LINE.
3. A NOTICE OF INTENT (NOI) MUST BE SUBMITTED TO DEC PRIOR TO INITIATING WORK.
4. THE SWPPP INCLUDES INFORMATION ON ALL DRAINAGE AND THE STORMWATER POLLUTION PREVENTION PLAN DATED NOVEMBER 2006.
5. PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL HAVE THE ENGINEER CONDUCT AN ASSESSMENT OF THE SITE AND CONDUCT AN INSPECTION REPORT THAT THE APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES BEING ADEQUATELY INSTALLED. FOLLOWING COMMENCEMENT OF CONSTRUCTION, THE ENGINEER SHALL MAKE VISUAL INSPECTIONS AND INSPECTIONS WITHIN 24 HOURS OF A STORM EVENT OF 0.5 INCHES OR GREATER AND SHALL PREPARE A REPORT AS REQUIRED BY THE GP-02-01.
6. THE CONTRACTOR SHALL MAINTAIN A RECORD OF ALL INSPECTION REPORTS IN A SITE LOG BOOK, MAINTAINED ON SITE AND AVAILABLE TO THE PERMITTING AUTHORITY UPON REQUEST.
7. AT COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL PERFORM A FINAL INSPECTION TO CERTIFY THAT THE SITE HAS UNDERGONE FINAL STABILIZATION AND THAT ALL TEMPORARY EROSION AND SEDIMENTATION CONTROLS HAVE BEEN REMOVED. UPON CERTIFICATION OF COMPLETION A NOTICE OF REMEDIATION (NOR) SHALL BE SUBMITTED TO NYS DEC.
8. A RAIN GAUGE SHALL BE PLACED ON SITE AND MONITORED DURING CONSTRUCTION ACTIVITIES. WHEN A RAINFALL GREATER THAN 1/2" IS RECORDED THE INSPECTOR SHALL BE NOTIFIED.

MAINTENANCE

1. ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSPECTED WITHIN 24 HOURS OF A STORM EVENT AND REPAIRED AND/OR MODIFIED AS REQUIRED TO BE IN GOOD WORKABLE CONDITION.
2. THE CONTRACTOR SHALL CONDUCT AN INSPECTION OF THE SITE ON A DAILY BASIS TO COLLECT LITTER AND CONSTRUCTION DEBRIS AND DISPOSE OF LEGALLY.
3. ANY STOCKPILES OF FILL, TOPSOIL, EXCAVATED MATERIAL SHALL BE COVERED OR CONTAINED BY SEDIMENT CONTROL FENCE TO PREVENT EROSION.

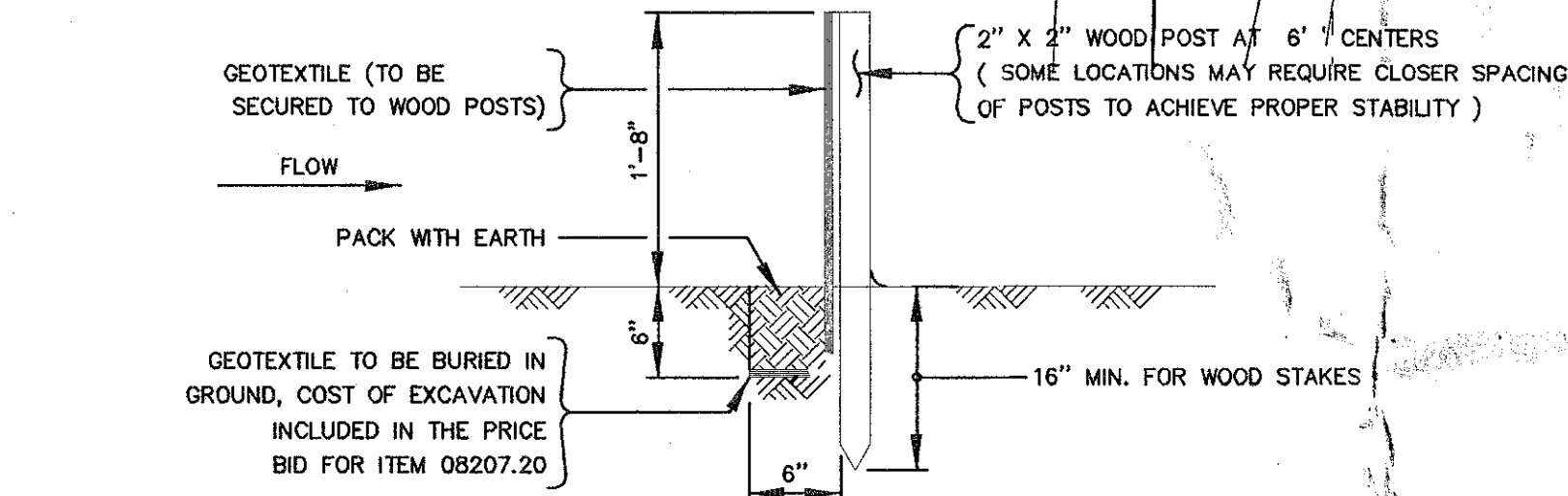
WATERSHED NOTE:

1. THE PROJECT LIES WITHIN THE TOWN OF BETHLEHEM 404 BOUNDARIES

MAP REFERENCES
1) MAP ENTITLED MAP OF SURVEY SHOWING LANDS & CYPRUS SHRINERS, INC. 12730 P065 AS PREPARED BY ADO ENGINEERS AND SURVEYORS AND DATED JULY 2003.
2) MAP ENTITLED MAP OF SURVEY PREPARED FOR HUGH M. LEMMON (CHAPTER 7) TRUSTED AS PREPARED BY GLOVER, HANCOCK & ASSOCIATES AND DATED MARCH 20, 1995 AND LAST REVISED 8-4-97.
3) MAP ENTITLED "BOUNDARY & TOPOGRAPHIC SURVEY OF LANDS OF CYPRUS SHRINERS, INC." PREPARED BY FREDERICK J. NETZER AND DATED JANUARY 12, 2005.

Finished End Section Design Table							
End Section	Pipe	Peak Flow	Peak Velocity	Length of	Width of	D50(in)	Minimum
FES-1	24	4.45 cfs	25 Year Storm	Stone Apron(ft)	Stone Apron(ft)	4	9
Note: Riprap shall be a well graded mixture of stone size so that 50% of the pieces by weight, shall be larger than the D50 size.							

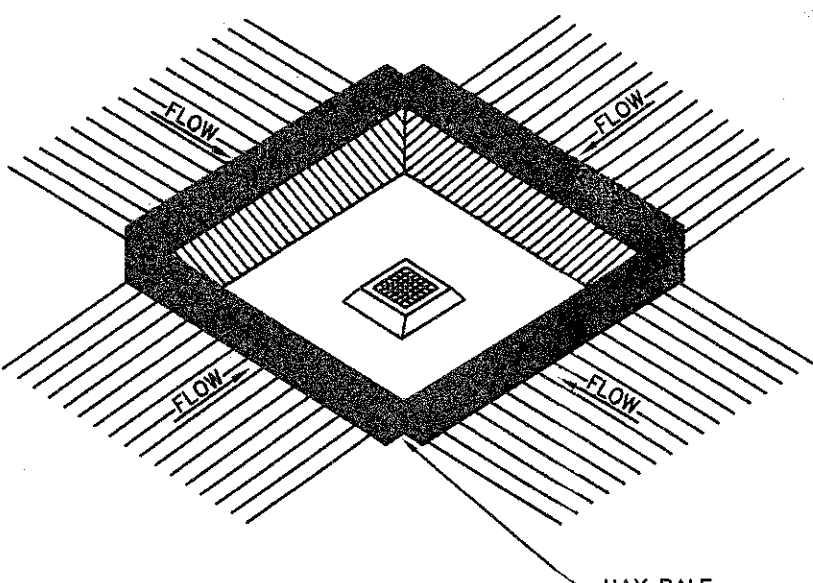
NOTE: 48 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL CONTACT THE U.F.P.O. TO LOCATE ALL UNDERGROUND UTILITIES. 1-800-962-7962



SILT FENCE DETAIL

(NOT TO SCALE)

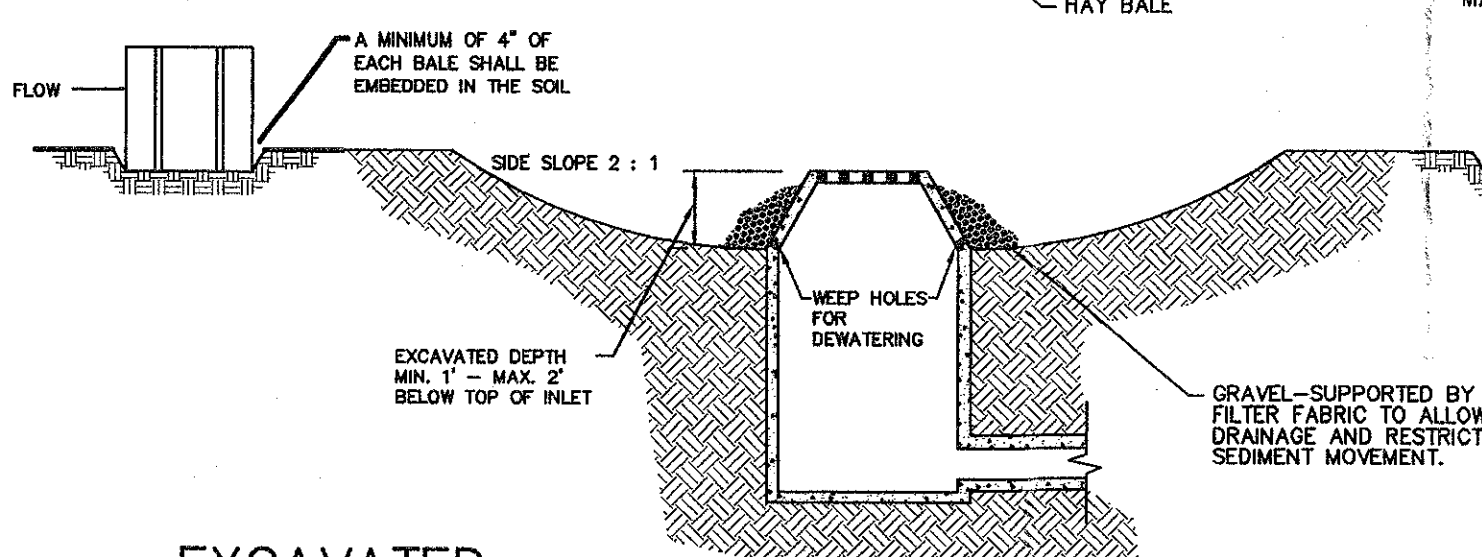
- CONSTRUCTION NOTES FOR FABRICATED SILT FENCE
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
 2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
 3. WHEN TWO SECTIONS OF SILT FENCE ADJOIN EACH OTHER THE POSTS SHALL BE TWISTED TOGETHER 3 FULL REVOLUTIONS.
 4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
- POSTS: STEEL EITHER "I" OR "U" TYPE OR 2" HARDWOOD
FENCE: WOVEN WIRE, 14" 6" MAX. MESH OPENING
FILTER CLOTH: FILTER X, MIRAFI 100X, STABILINKA T140N OR APPROVED EQUAL.
PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL.



CONSTRUCTION SPECIFICATIONS:

1. 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. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
5. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION SHALL BE MINIMIZED.
6. 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.

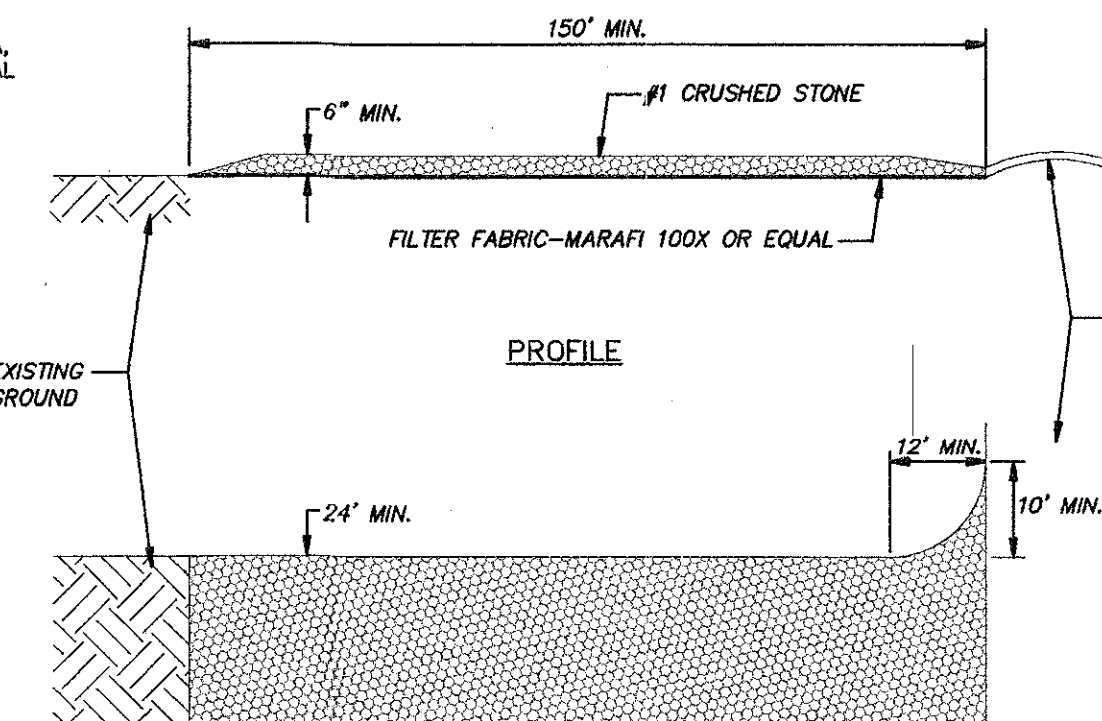
MAXIMUM DRAINAGE AREA 1 ACRE



EXCAVATED DROP INLET PROTECTION DETAILS

SCALE: 1"=4'

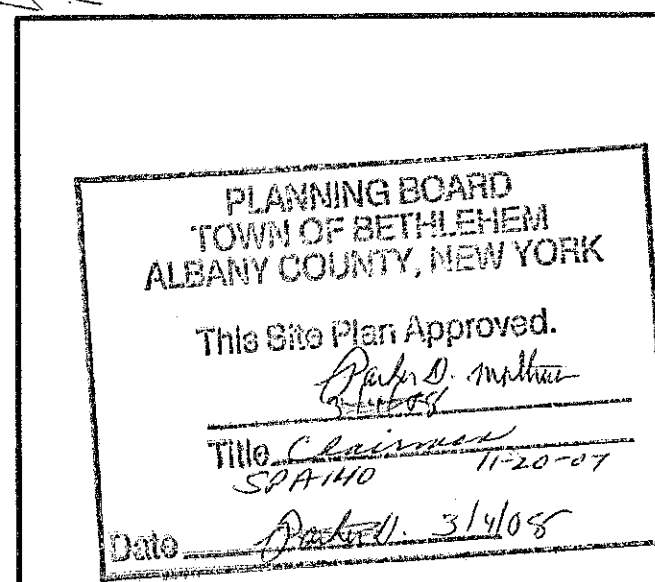
C108



STABILIZED CONSTRUCTION ENTRANCE DETAIL TO BE CONSTRUCTED AT ALL ACCESS POINTS

NOT TO SCALE

- LEGEND
- PROPERTY LINE
 - UTILITY POLE
 - PROPOSED HYDRANT
 - PROPOSED SANITARY SEWER MANHOLE
 - PROPOSED STORMWATER CATCH BASIN
 - PROPOSED CONTOUR
 - EXISTING CONTOUR
 - USACOE JURISDICTIONAL WETLANDS
 - SILT FENCE



PLANNING BOARD
TOWN OF BETHLEHEM
ALBANY COUNTY, NEW YORK
This Site Plan Approved.
Date: 3/1/08

BRETT L. STEENBURGH, P.E. PLLC

2832 ROSENDALE ROAD
NISKAYUNA, NY 12309
PHONE - (518) 365-0675
FAX - (518) 881-9451
bsteenberg@bsteenberg.com
CIVIL ENVIRONMENTAL STRUCTURAL
ENGINEERING

EROSION AND SEDIMENT CONTROL PLAN

CYPRUS SHRINERS
HANNAY LANE
TOWN OF BETHLEHEM
STATE OF NEW YORK
COUNTY OF ALBANY
DRAWN BY: BLS
JOB FILE: D2
DATE: MARCH 8, 2007
CHECKED BY: BLS
JOB NO.
SCALE: 1"=40'
SHEET 5 OF 8