

1. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MUST BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL BEFORE SITE DISTURBANCE BEGINS WITHIN THEIR TRIBUTARY AREAS.
2. CONTRACTOR SHALL COMMENCE SITE CONSTRUCTION ACTIVITIES AS REQUIRED.
3. INSTALL SILT FENCING AS NEEDED AS CLEARING AND GRADING ACTIVITIES PROGRESS. UPON COMPLETION OF INITIAL ROUGH GRADING OF BUILDING AREAS, TEMPORARY SEEDING AND ESTABLISHMENT OF VEGETATIVE COVER SHALL OCCUR.
4. IMMEDIATELY FOLLOWING COMPLETION OR SUSPENSION OF CONSTRUCTION ACTIVITIES OR WITHIN 14 DAYS IN ANY PORTION OF THE SITE, PERMANENT VEGETATION SHALL BE ESTABLISHED ON ALL EXPOSED SOILS.
5. PRIOR TO FINALIZING CONNECTION TO THE STORM SEWER SYSTEM, ALL CATCH BASINS AND DRAINAGE LINES SHALL BE CLEARED OF ALL SILT AND SEDIMENT.
6. ONCE ROAD SURFACE HAS BEEN STABILIZED, SILT FENCING SHALL BE INSTALLED ALONG ROADWAY TO PREVENT SEDIMENT FROM ENTERING THE CLOSED DRAINAGE NETWORK WITHIN THE ROADWAY.
7. CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AND IMMEDIATELY ESTABLISH PERMANENT VEGETATION ON THE AREAS DISTURBED DURING THE REMOVAL.

1. ESTABLISH PERIMETER SILT FENCING, WETLAND BARRIERS, AND STABILIZED CONSTRUCTION ENTRANCES.

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- TOP OF FILTER CLOTH 16" FROM GRADE (MINIMUM)
- DIRECTION OF FLOW (MAX SLOPE LENGTH SHOWN BELOW)
- COMPACTED SOIL
- 6" MIN. EMBED
- GEOTEXTILE BURIED IN PLACE
- 4" (MIN)
- POSTS SPACED AT 10'-0" (MAX). SOME AREAS MAY REQUIRE CLOSER SPACING FOR PROPER STABILIZATION.
- 1'-8" (MIN)
- 1'-4" (MIN)
- 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: SEE SECTION 03100 FOR SLOPE STABILIZATION REQUIREMENTS.

NOT TO SCALE

1. THIS PROJECT IS AUTHORIZED UNDER NYSDEC PERMIT GP-0-15-002

2. ANY CONTRACTOR INVOLVED IN EARTHWORK ACTIVITIES, INCLUDING BUT NOT LIMITED TO: CLEARING, GRADING AND TRENCING, SHALL REVIEW ALL PERMIT CONDITIONS AND CERTIFY UNDERSTANDING OF THESE CONDITIONS, IN WRITING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IMPLEMENT ALL EROSION CONTROLS DESCRIBED IN GP-0-15-002, AND IT IS NOT THE INTENT OF THESE DRAWINGS TO REPLACE OR DISSEMINATE THE PERMIT REQUIREMENTS. THE CONTRACTOR SHALL REMAIN IN COMPLIANCE WITH THE PERMIT AT ALL TIMES.
3. AT NO TIME, SHALL MORE THAN FIVE (5) ACRES REMAIN UNSTABILIZED. THE CONTRACTOR SHALL COORDINATE EARTHWORK ACTIVITIES AND IMPLEMENTATION OF SOIL STABILIZATION MEASURES TO ENSURE COMPLIANCE TO THIS PERMIT REQUIREMENT.
4. THE CONTRACTOR SHALL MAINTAIN A CLEAN CONSTRUCTION AND EQUIPMENT ENTRANCE WHENEVER PRACTICABLE.
5. DISTURBED AREAS MUST BE STABILIZED WITHIN 14 DAYS OF COMPLETION OR SUSPENSION OF GRADING OPERATIONS.
6. A NOTICE OF INTENT (NOI) MUST BE FILED WITH THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION FIVE (5) BUSINESS DAYS PRIOR TO CONSTRUCTION ACTIVITIES WHICH DISTURB MORE THAN ONE ACRE OF LAND APPEARING THAT A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) WITH BEST MANAGEMENT PRACTICES (BMPs) WILL BE REQUIRED BY THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION SPODES GENERAL PERMIT FOR STORMWATER DISCHARGES (GP-0-15-002).

1. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE LATEST EDITION OF NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL." (aka: THE BLUE BOOK) EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITIES.
2. IT IS THE INTENT OF THESE PLANS AND NOTES TO BE USED AS A GUIDE BY THE CONTRACTOR TO ENSURE THAT NO ERODED MATERIAL MIGRATES FROM THE SITE OR ENTERS ANY WATER COURSE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THIS GOAL IS MET, BY IMPLEMENTING THESE PLANS AND ANY ADDITIONAL MEANS THAT MAY BE NECESSARY. FURTHER MEASURES MAY BE REQUIRED BY THE CITY, VILLAGE, OR TOWN ENGINEER. WHILE MANY OF THE EROSION CONTROL DETAILS CONTAINED WITHIN THESE PLANS ARE TAKEN DIRECTLY FROM THE BLUE BOOK, THE CONTRACTOR SHOULD CONSIDER ANY OF THE DETAILS CONTAINED IN SECTION 7A OF THE BLUE BOOK AS ACCEPTABLE PRACTICE IN THE APPROPRIATE APPLICATION.
3. THE DEVELOPER/CONTRACTOR OR HIS BUILDER SHALL INSPECT AND MAINTAIN EROSION CONTROL MEASURES WEEKLY AND AFTER EACH RAINFALL EVENT THROUGHOUT THE LIFE OF THE PROJECT. EROSION CONTROL MEASURES SHALL BE MAINTAINED IN GOOD CONDITION AND REINFORCED, EXTENDED, REPAIRED, RE-SEEDED AND PROTECTED FROM FURTHER EROSION. ALL SEDIMENT ACCUMULATED SHALL BE REMOVED AND CONTAINED IN APPROPRIATE SPILL AREAS. WATER SHALL BE APPLIED TO NEWLY SEEDD AREAS AS NEEDED UNTIL GRASS COVER IS WELL ESTABLISHED. DURING THESE PERIODIC INSPECTIONS, THE FOLLOWING ITEMS SHOULD BE PAID PARTICULAR ATTENTION: A. SILT FENCING SHALL BE INSPECTED FOR UNDERMINING AND DEGRADATION. B. SEED/MULCHED AREAS SHALL BE INSPECTED TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHALL BE REPAIRED AS NECESSARY.
4. EROSION CONTROL DEVICES SHALL NOT BE REMOVED UNTIL THE CITY, VILLAGE OR TOWN ENGINEER HAS APPROVED FINAL STABILIZATION.
5. SILT FENCE AND OTHER EROSION CONTROL DEVICES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THESE DETAIL SHEETS AND SECTION 7A OF THE BLUE BOOK.
6. PRIOR TO ANY CONSTRUCTION ACTIVITY, THE STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED.
7. CONSTRUCTION TRAFFIC SHALL NOT CROSS STREAMS OR DITCHES EXCEPT AT SUITABLE CROSSING FACILITIES. EQUIPMENT SHALL NOT OPERATE, UNNECESSARILY, WITHIN WATERWAYS OR DRAINAGE DITCHES.
8. EXISTING PAVEMENT AREAS SHALL BE CLEANED AT THE DIRECTION OF THE CITY, VILLAGE, OR TOWN ENGINEER.
9. WATER TRUCKS SHALL BE USED TO MINIMIZE DUST POLLUTION ON SITE, AND ON ADJACENT ROADWAY AREAS AS DIRECTED BY THE CITY, VILLAGE, OR TOWN ENGINEER.
10. ANY WATER PUMPED AS A RESULT OF Dewatering ACTIVITIES SHALL BE PUMPED INTO A Dewatering PIT.
11. ALL AREAS DISTURBED IN THE CONSTRUCTION PROCESS SHALL BE STABILIZED WITH SEED AND MULCH NO MORE THAN 14 DAYS AFTER THE COMPLETION OF WORK IN THAT AREA. IF WORK IN AN AREA IS SUSPENDED, IT SHALL NOT REMAIN UNSTABILIZED FOR MORE THAN 21 DAYS. IT MAY BE NECESSARY TO SEED AND MULCH SOME AREAS SEVERAL TIMES TO MEET THIS REQUIREMENT.
12. IT IS RECOMMENDED THAT ALL EROSION CONTROL DEVICES BE PLACED FOR THE ENTIRE PHASE AS SHOWN ON THE EROSION CONTROL PLAN.
13. STOCK PILES SHALL BE PROTECTED BY SILT FENCE PER GP-0-15-002. THESE DEVICES SHALL BE MAINTAINED IN GOOD CONDITION UNTIL SAID STOCK PILES ARE REMOVED AND STOCK PILING AREAS PERMANENTLY STABILIZED.
14. STOCK PILES SHALL BE SEEDDED UPON SUSPENSION OF WORK OR IF MATERIAL IS NOT TO BE USED WITHIN 14 DAYS, IN ACCORDANCE WITH GP-0-15-002.
15. IN NO CASE SHALL ERODIBLE MATERIALS BE STOCKPILED WITHIN 25 FEET OF ANY DITCH, STREAM OR OTHER SURFACE WATER BODY.
16. SILT FENCING SHALL BE INSTALLED AT THE PERIMETER OF ALL SLOPES TO BE GRADED, PRIOR TO GRADING OPERATIONS.
17. CLEARING OPERATIONS SHALL BE LIMITED TO ACTIVE WORK AREAS.
18. CARE SHALL BE TAKEN TO PRESERVE AS MUCH EXISTING VEGETATION AS POSSIBLE AND HEALTHY TREES OF DESIRABLE SPECIES SHALL BE PROTECTED.
19. WHEN RUNOFF IS COLLECTED AND FLOW IS CONCENTRATED IN A SWALE OR DRAINAGE DITCH, THEN CHECK DAMS SHALL BE INSTALLED TO REDUCE VELOCITY AND TO ALLOW THE SWALE AND DITCH CHANNELS TO BE STABILIZED. SEDIMENT SHALL BE REMOVED FROM THE DAM AS NEEDED TO ALLOW THE CHANNEL TO DRAIN THROUGH THE DAM AND PREVENT LARGE FLOWS FROM CARRYING SEDIMENT OVER THE DAM.

1. INSTALL SILT FENCE IN ACCORDANCE WITH THE "NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL", SECTION 7A.
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 FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE WRAPPED TOGETHER PER DETAIL 4 ON THIS PAGE.
4. 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

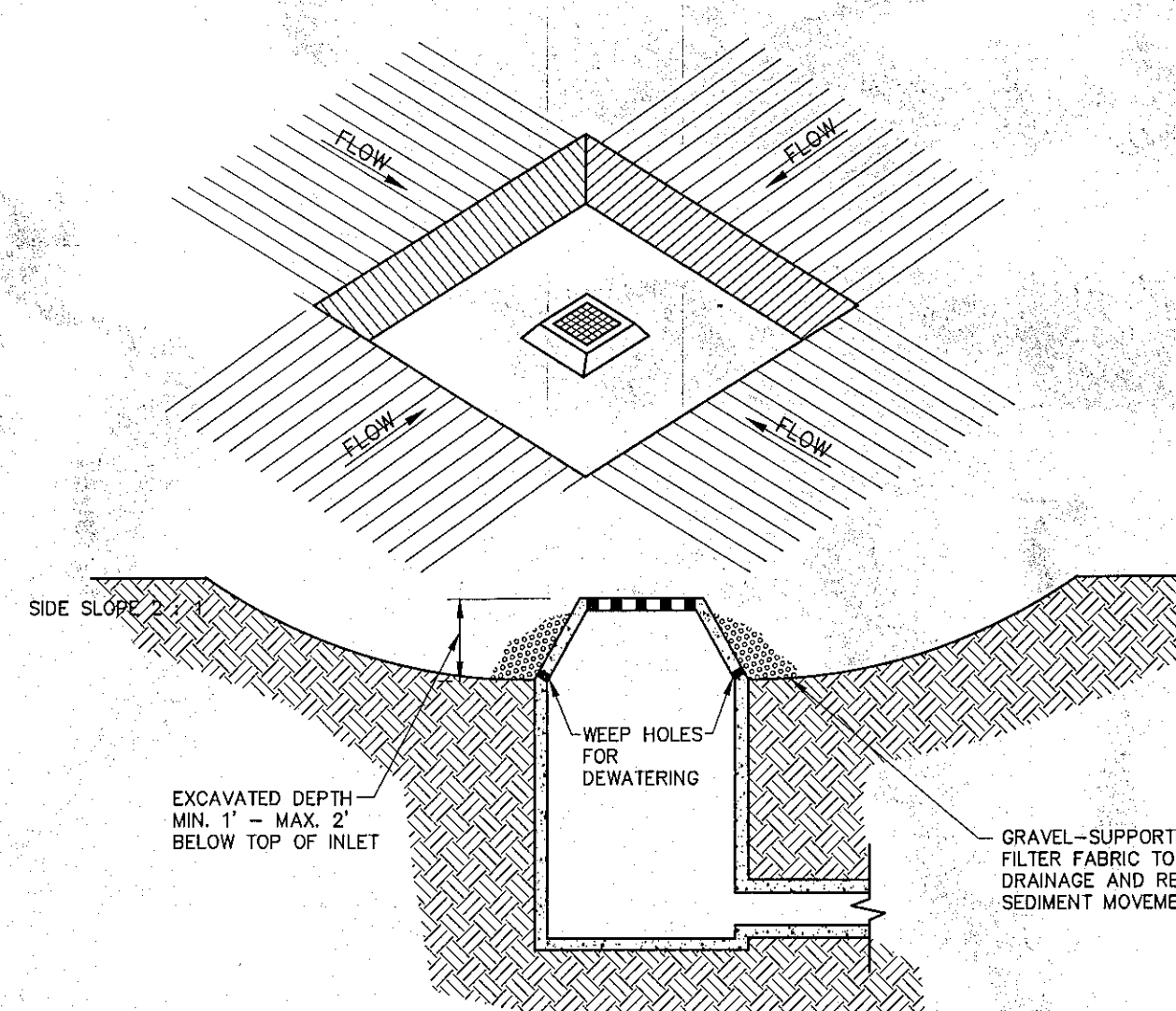
FILTER CLOTH: FILTER X,  
MIRAFI 100X, STABILINKA  
T140N OR APPROVED EQUIVALENT

PREFABRICATED UNIT: GEOFAB,  
ENVROFFENCE, OR APPROVED  
EQUIVALENT

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

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

NOT TO SCALE

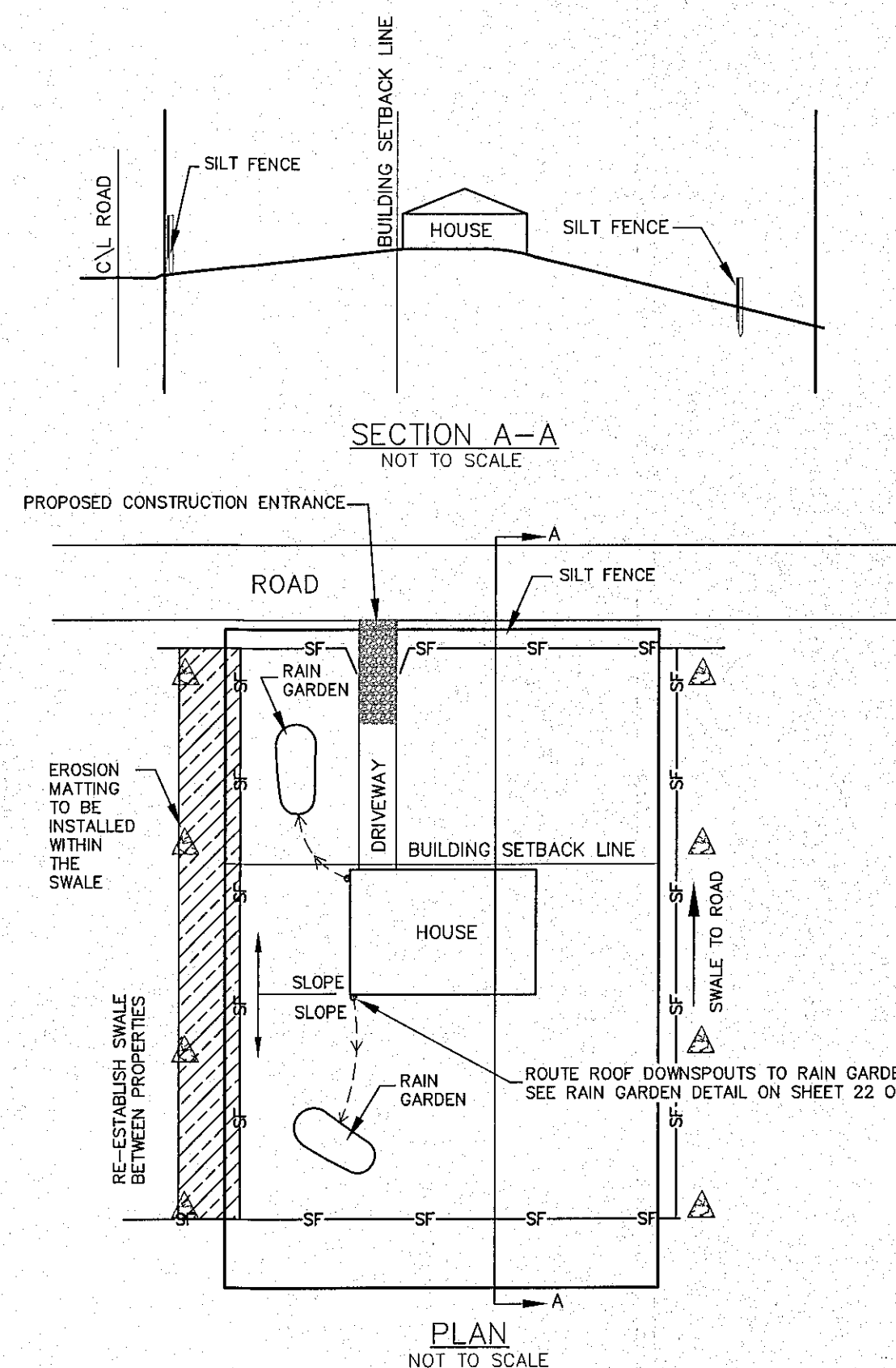


NOT TO SCALE

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.

NOT TO SCALE

PLANNING BOARD  
TOWN OF BETHLEHEM  
ALBANY COUNTY, NEW YORK.  
By direction of the Chairman.  
These drawings are hereby approved  
See sheet(s) 5161-7

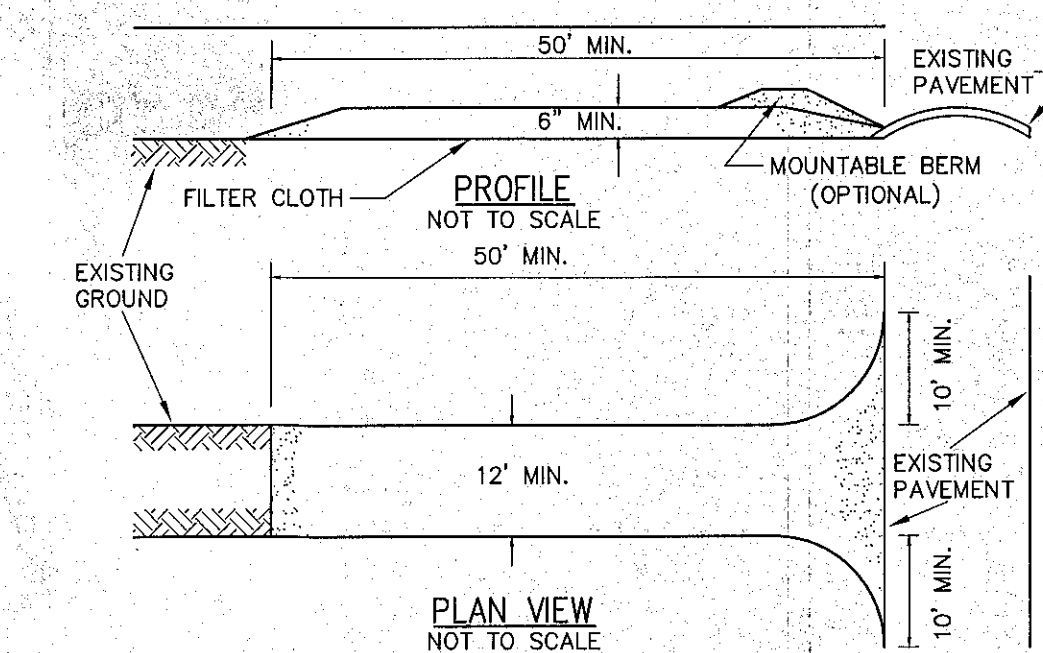


TYPICAL EROSION & SEDIMENT CONTROL PLAN FOR  
AN INDIVIDUAL LOT UNDER CONSTRUCTION

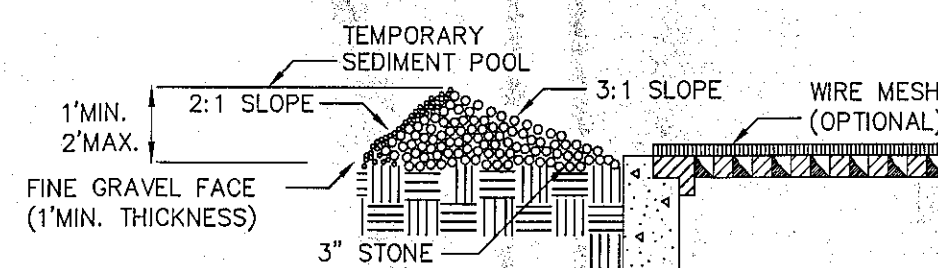
NOTES:  
GRADE, SEED & MULCH ANY  
EXPOSED SOIL AREAS IMMEDIATELY.

NOTE:  
ALL SWALES SHALL BE GRASS SODDED OR  
USE TURF REINFORCED MAT.

SEED MIX: TRIPLE RYE  
34% MAJESTY PERENNIAL RYE GRASS  
34% ASCEND PERENNIAL RYE GRASS  
34% DIVINE PERENNIAL RYE GRASS  
MULCH: 2 TONS/ACRE



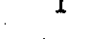
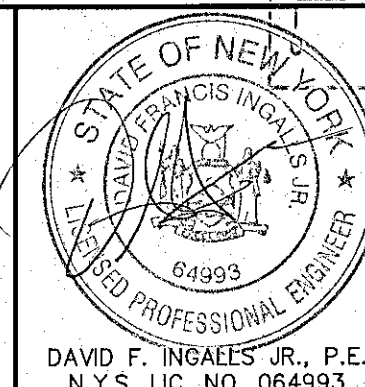
1. STONE SIZE – USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. SURFACE AREA – NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FEET MINIMUM LENGTH WOULD APPLY.)
3. THICKNESS – NOT LESS THAN SIX (6) INCHES.
4. WIDTH – TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS; TWENTY (20) (24) FOOT IF SINGLE ENTRANCE TO SITE.
5. FILTER CLOTH – WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. WATER FLOW – ALL SURFACE WATER FLOWING OR INVERTED TOWARD CON – STRUCTURE ENTRANCES SHALL BE PIPED ACROSS 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 ON PUBLIC RIGHTS OF WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ON 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 TRAP. SURFACE, PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED
9. AFTER EACH RAIN.



NOT TO SCALE

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

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				A VIOLATION OF SECTION 720 SUBDIVISION 2, OF THE NEW YORK STATE EDUCATION LAW
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6	11/16/15	REVISED PER TOWN COMMENTS	PJY	
5	10/6/15	REVISED PER TOWN COMMENTS	PJY	
4	8/13/15	REVISED PER TOWN & TDE COMMENTS	PJY	
3	6/19/15	REVISED PER TOWN & TDE COMMENTS	PJY	
2	5/5/15	REVISED PER TOWN & TDE COMMENTS	PJY	
1	9/23/14	REVISED PER TOWN & TDE COMMENTS	PJY	
NP		REVISED PER TOWN & TDE COMMENTS	PJY	
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ESC DETAILS		NEWELL PLACE	
WEMPLER ROAD		TOWN OF BETHLEHEM	
COUNTY		STATE OF NEW YORK	
CHECKED BY: DFI JOB NO. 11-038	SCALE: AS SHOWN		
F	SHEET 21 OF 27		