

SOIL EROSION AND STABILIZATION:

1. PLANS SHOW TEMPORARY SOIL EROSION AND STABILIZATION MEASURES WHICH SHALL BE MAINTAINED UNTIL ALL AREAS ARE STABILIZED.
2. THE CONTRACTOR SHALL BE RESPONSIBLE TO SEED AND MULCH (OR HYDROSEED). THE OWNER SHALL BE RESPONSIBLE TO PROVIDE AN ADEQUATE WATER SOURCE AND HOSES AND GERMINATION OF THE SEED. THE CONTRACTOR SHALL NOT BE RESPONSIBLE FOR WATERING UNLESS THE CONTRACT STATES SUCH.
3. ADDITIONAL EROSION CONTROL METHODS INCLUDING SOIL STABILIZATION MATS, PLACEMENT OF STONE, PLACEMENT OF SOIL MAY BE REQUIRED DUE TO CLIMATIC CONDITIONS (EXCESS RAIN, ETC.) THE ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY COSTS ASSOCIATED WITH THE EXTRA MEASURES AND IT SHALL NOT BE CONSIDERED AN OMISSION OR ERROR ON THE PLAN IF THESE ADDITIONAL MEASURES ARE NOT SPECIFIED INITIALLY.

THE CONTRACTOR SHALL AS A MINIMUM IMPLEMENT THE FOLLOWING EROSION AND SEDIMENT CONTROL MEASURES:

1. CONSTRUCTION AND MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH THE NEW YORK GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL AND PER THE STORM WATER POLLUTION PREVENTION PLAN.
2. INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE WITHIN THE GENERAL COURSE OF WORK.
3. PRIOR TO SITE DISTURBANCE, EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE WITHIN THE GENERAL COURSE OF WORK.
4. TEMPORARY INSTALLATION OF STABILITY CONSTRUCTION PADS AT ALL LOCATIONS WHERE CONSTRUCTION VEHICLES WOULD ENTER ONTO PUBLIC STREETS.
5. EXCAVATION WORK TO BE CARRIED OUT DURING PERIODS OF INCIDENT WEATHER SHALL REQUIRE ADDITIONAL EROSION CONTROL MEASURES AS MAY BE NECESSARY BASED ON CONDITIONS.

EROSION CONTROL PHASING PLAN NOTES:

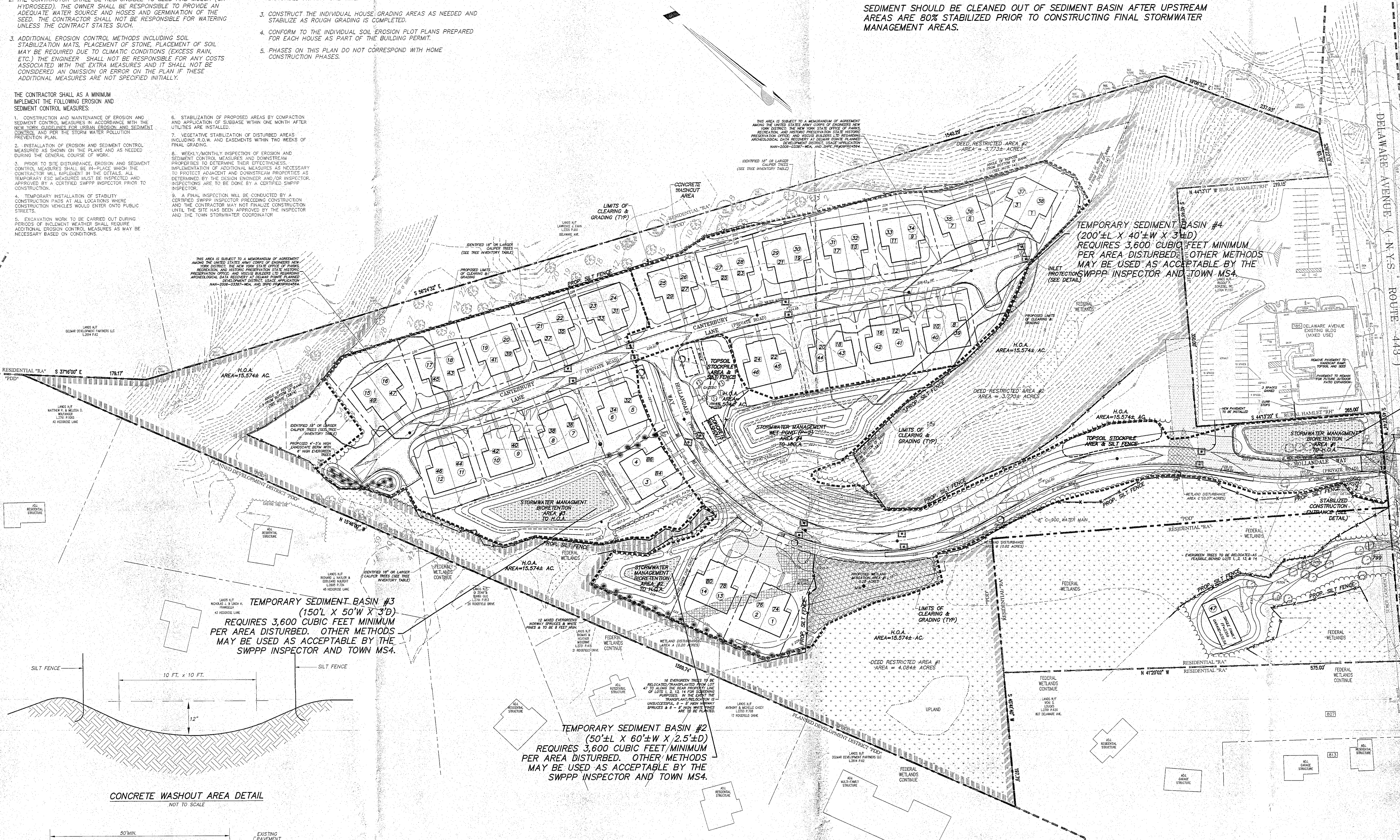
1. PHASING PLAN IS TO MAINTAIN LESS THAN 5 ACRES DISTURBANCE.
2. CONSTRUCT ROADWAY AND STORMWATER AREAS BY PHASES. NOTE THAT PHASES MAY BE CONSTRUCTED IN A DIFFERENT ORDER THAN SHOWN NUMERICALLY. MAINTAIN LESS THAN 5 ACRES OPEN AND DISTURBED AT ANY ONE TIME.
3. CONSTRUCT THE INDIVIDUAL HOUSE GRADING AREAS AS NEEDED AND STABILIZE AS ROUGH GRADING IS COMPLETED.
4. CONFORM TO THE INDIVIDUAL SOIL EROSION PLOT PLANS PREPARED FOR EACH HOUSE AS PART OF THE BUILDING PERMIT.
5. PHASES ON THIS PLAN DO NOT CORRESPOND WITH HOME CONSTRUCTION PHASES.

NOTE: THE EROSION & SEDIMENT CONTROL PLAN AND DETAILS AS SHOWN ON THIS PLAN ARE FOR SCHEMATIC PURPOSES ONLY AND MAY CHANGE AS DIRECTED BY THE ONSITE SWPPP INSPECTOR AND/OR TOWN OF BETHLEHEM STORMWATER COORDINATOR.

SEDIMENT SHOULD BE CLEANED OUT OF SEDIMENT BASIN AFTER UPSTREAM AREAS ARE 80% STABILIZED PRIOR TO CONSTRUCTING FINAL STORMWATER MANAGEMENT AREAS.

NOTES:

1. BASE MAPPING PREPARED BY ABD ENGINEERS & SURVEYORS FROM A NOVEMBER 2005 FIELD SURVEY.
2. THE PLANS SHOW SOME KNOWN SUBSURFACE STRUCTURES, ABOVE-GROUND STRUCTURES AND/OR UTILITIES BELIEVED TO EXIST IN THE WORKING AREA. EXACT LOCATION OF WHICH MAY VARY FROM THE LOCATIONS INDICATED. IN PARTICULAR, THE CONTRACTOR IS WARNED THAT THE EXACT OR EVEN APPROXIMATE LOCATION OF SUCH PIPE LINES, SUBSURFACE STRUCTURES AND/OR UTILITIES IN THE AREA MAY BE SHOWN OR MAY NOT BE SHOWN, AND IT SHALL BE HIS RESPONSIBILITY TO PROCEED WITH GREAT CARE IN EXECUTING ANY WORK. 48 HOURS BEFORE YOU DIG, DRILL OR BLAST, CALL NEW YORK ONE CALL 1-800-962-7962.
3. ELEVATIONS BASED ON USGS DATUM.
4. WETLANDS DELINEATED BY NORTH COUNTRY ECOLOGICAL SERVICES SEPTEMBER 2003.
5. UNLESS OTHERWISE NOTED, THE LOCATIONS AND FOOTPRINT CONFIGURATIONS OF PROPOSED DWELLINGS AND ASSOCIATED LOT GRADING AS SHOWN ON THIS PLAN ARE CONCEPTUAL AND ARE INCLUDED FOR MUNICIPAL REVIEW PURPOSES. ACTUAL BUILDING LOCATIONS AND CONFIGURATIONS, AND RELATED SITE GRADING, MAY VARY FROM WHAT IS SHOWN. HOWEVER, ANY SUBSTANTIAL VARIATION FROM WHAT IS SHOWN ON ANY LOT, AS DETERMINED BY THE TOWN BUILDING INSPECTOR, SHALL BE SUBJECT TO FURTHER REVIEW BY THE TOWN DEPARTMENT OF PUBLIC WORKS (AND POSSIBLY OTHER TOWN ENTITIES) PRIOR TO THE ISSUANCE OF A BUILDING PERMIT FOR THAT LOT.
6. SITE LIES ENTIRELY WITHIN THE TOWN OF BETHLEHEM WATER DISTRICT NO. 1 AND SEWER DISTRICT, DELMAR FIRE DISTRICT AND BETHLEHEM CENTRAL SCHOOL DISTRICT.
7. ALL UTILITIES TO BE INSTALLED IN ACCORDANCE WITH TOWN STANDARD DETAILS AND SPECIFICATIONS. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A SET OF THESE MATERIALS FOR USE ON THE JOB.
8. PRIOR TO ANY WORK IN THE DELAWARE AVENUE RIGHT OF WAY, THE CONTRACTOR SHALL OBTAIN A HIGHWAY WORK PERMIT FROM NYSDOT.
9. PRIOR TO ANY WORK ON SANITARY SEWER AND WATER, THE CONTRACTOR SHALL OBTAIN THE NECESSARY PERMITS FROM NYSDOT.
10. FOR ALL LOTS THAT HAVE AREAS DESIGNATED AS FEDERALLY REGULATED WETLANDS AS SHOWN ON THESE PLANS, THE TOWN HAS NO CONTROL OVER AND ACCEPTS NO RESPONSIBILITY FOR FUTURE DRAINAGE PROBLEMS THAT OCCUR IN THESE AREAS. THIS PERTAINS WHETHER SUCH PROBLEMS ARE A RESULT OF LEAVING THE AREAS AS THEY PRESENTLY EXIST OR AS A RESULT OF FUTURE LOT OWNERS FILLING IN AND AROUND THE AREAS WITHOUT REGARD FOR LOCAL DRAINAGE PROBLEMS.
11. 5' MIN HORIZONTAL SEPARATION REQUIRED BETWEEN CATCH BASINS AND WATERMANS.
12. NO FOOTING, FOUNDATION OR ROOF DRAINS WILL BE ALLOWED TO CONNECT TO THE SANITARY SEWER SYSTEM.
13. ANGLE OF REPOSE 1:3 MAXIMUM FROM BOTTOM OF BANK PER GEOTECHNICAL REPORT BY DENTE ENGINEERING.
14. TEST PITS PERFORMED BY DENTE ENGINEERS ON DECEMBER 3, 2010. SEE GEOTECHNICAL REPORT DATED DECEMBER 30, 2010.
15. CONSTRUCTION OF FILL SOILS BENEATH THE BUILDINGS AND ROADWAY RAISING CROSSING. IN ADDITION TO SLOPES AROUND THE BUILDINGS SHALL REFER TO DENTE ENGINEERING, JANUARY 7, 2013 LETTER OF RECOMMENDATION.
16. DATA RECOVERY PLAN IS TO BE UPDATED PRIOR TO CONSTRUCTION.

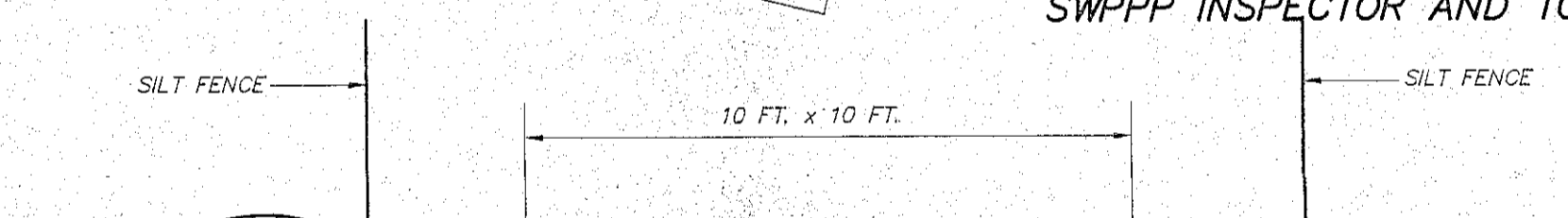


EXISTING EVERGREENS ONSITE TO BE SPAVED AND REPLANTED BEHIND LOTS 1, 2, 13 & 14 IF FEASIBLE.

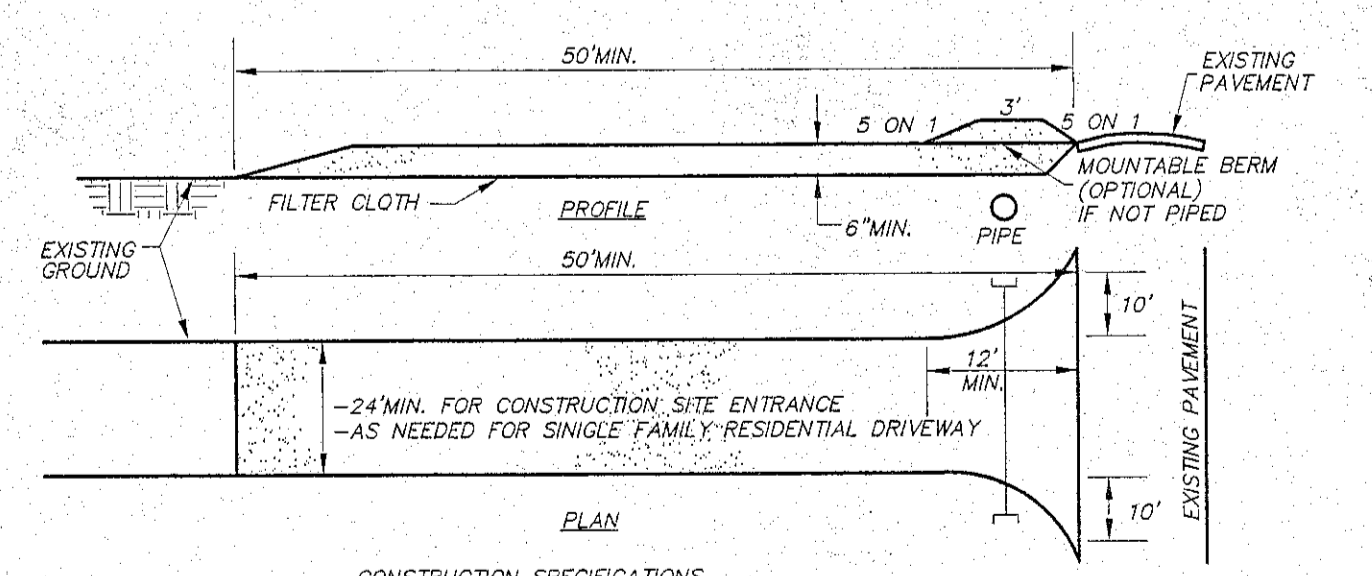
TEMPORARY SEDIMENT BASIN #1 (150'±L X 50'±W X 1.5'±D) REQUIRES 3,600 CUBIC FEET MINIMUM PER AREA DISTURBED. OTHER METHODS MAY BE USED AS ACCEPTABLE BY THE SWPPP INSPECTOR AND TOWN MS4.

TEMPORARY SEDIMENT BASIN #3 (150' L X 50' W X 3' D) REQUIRES 3,600 CUBIC FEET MINIMUM PER AREA DISTURBED. OTHER METHODS MAY BE USED AS ACCEPTABLE BY THE SWPPP INSPECTOR AND TOWN MS4.

TEMPORARY SEDIMENT BASIN #2 (50'±L X 60'±W X 2.5'±D) REQUIRES 3,600 CUBIC FEET MINIMUM PER AREA DISTURBED. OTHER METHODS MAY BE USED AS ACCEPTABLE BY THE SWPPP INSPECTOR AND TOWN MS4.



CONCRETE WASHOUT AREA DETAIL
NOT TO SCALE

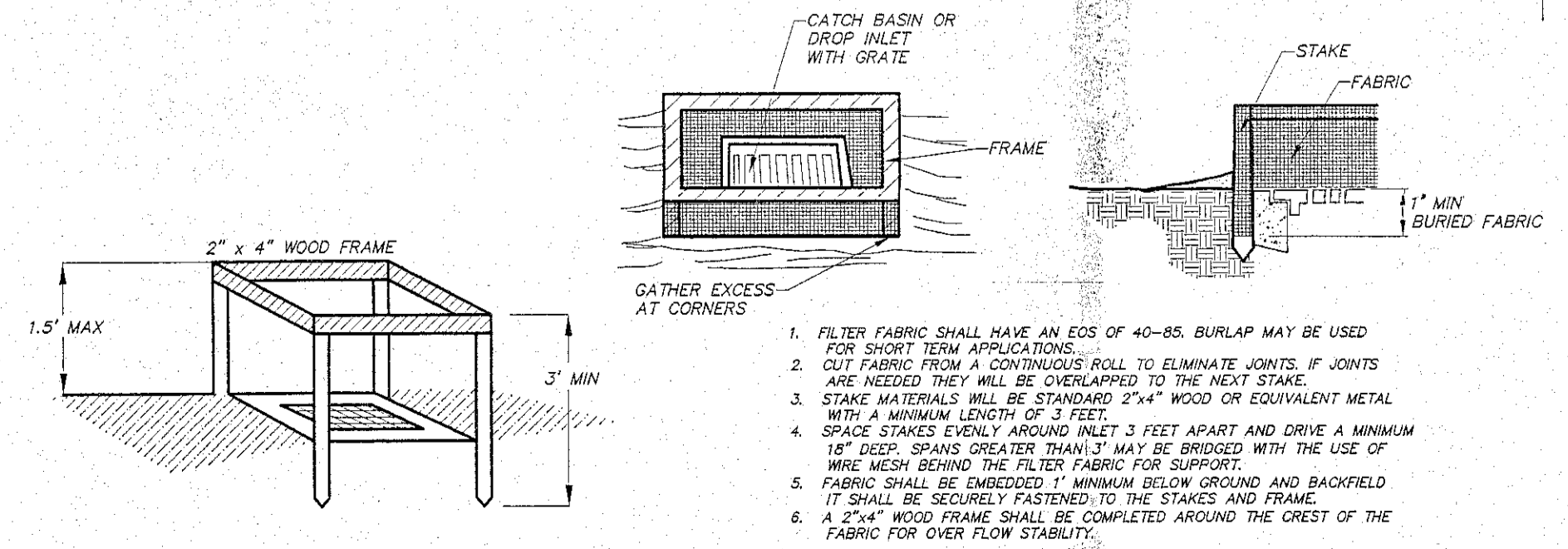


- CONSTRUCTION SPECIFICATIONS**
1. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
 2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 30 FEET.
 3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
 4. WIDTH - NOT LESS THAN THE FULL DRIVEWAY WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. 24" MINIMUM IF SINGLE ENTRANCE TO SITE.
 5. FILTER CLOTH - WILL BE PLACED OVER THE ENTRANCE AREA PRIOR TO PLACING OF STONE.
 6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE FIRED ACROSS THE ENTRANCE. IF PAVING IS IMPRACTICAL, A MOUNTABLE BERM WITH 6" SLOPES WILL BE PERMITTED.
 7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERSONNEL TO DRESSING WITH ADDITIONAL STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANING OF ANY MEASURES USED TO TRAP SEDIMENT.
 8. WHEELS SHALL BE CLEANED WHEN NECESSARY TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
 9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

SILT FENCE
NOT TO SCALE

- CONSTRUCTION SPECIFICATIONS**
1. SILT FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL, EITHER "1" OR "1 1/2" TYPE OR HARDWOOD.
 2. FILTER CLOTH TO BE FASTENED SECURELY TO SILT FENCE. FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE APPROVED MATERIAL, 6" MAXIMUM MESH OPENING.
 3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER A, MIRAFIT 100K, STABILINKA 1140M, OR APPROVED EQUIVALENT.
 4. PREFABRICATED UNITS SHALL BE GEOTAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
 5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

FILTER FABRIC DROP INLET PROTECTION DETAIL
NOT TO SCALE

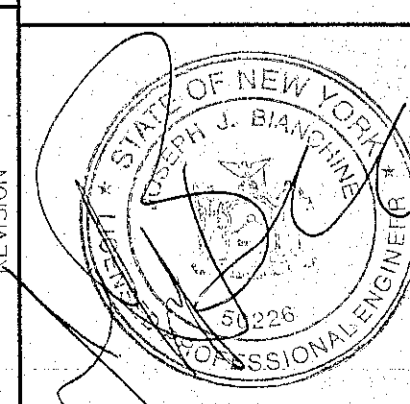


1. FILTER FABRIC SHALL HAVE AN EDGE OF 40-85. BURLAP MAY BE USED FOR SHORT RUN APPLICATIONS.
2. CUT FABRIC FROM A CONTOURED ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY SHALL BE TIED TO THE NEXT STAKE.
3. STAKE MATERIALS SHALL BE STANDARD 2" X 4" WOOD OR EQUIVALENT METAL WITH A MINIMUM LENGTH OF 3 FEET.
4. STAKE STAKES SHALL BE SPACED 3 FEET APART AND DRIVE A MINIMUM 1/2" INTO GRADE OR DEEPER THAN 1" INTO GRADE WITH THE USE OF A WIRE NAIL BEHIND THE FILTER FABRIC FOR SUPPORT.
5. FABRIC SHALL BE UNLAPPED 1" MINIMUM BELOW GROUND AND BACKHOLD. 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.

OWNER/APPLICANT:

VISCUSI BUILDERS, LTD.
14 AVAALON WAY
ALBANY, NY 12009

NO.	DATE	BY	DATE
1.	5/25/13	JAB	5/25/13
2.	5/25/13	JAB	5/25/13
3.	5/25/13	JAB	5/25/13
4.	5/25/13	JAB	5/25/13
5.	5/25/13	JAB	5/25/13
6.	5/25/13	JAB	5/25/13
7.	5/25/13	JAB	5/25/13
8.	5/25/13	JAB	5/25/13
9.	5/25/13	JAB	5/25/13
10.	5/25/13	JAB	5/25/13
11.	5/25/13	JAB	5/25/13
12.	5/25/13	JAB	5/25/13
13.	5/25/13	JAB	5/25/13
14.	5/25/13	JAB	5/25/13
15.	5/25/13	JAB	5/25/13
16.	5/25/13	JAB	5/25/13
17.	5/25/13	JAB	5/25/13
18.	5/25/13	JAB	5/25/13
19.	5/25/13	JAB	5/25/13
20.	5/25/13	JAB	5/25/13
21.	5/25/13	JAB	5/25/13
22.	5/25/13	JAB	5/25/13
23.	5/25/13	JAB	5/25/13
24.	5/25/13	JAB	5/25/13
25.	5/25/13	JAB	5/25/13
26.	5/25/13	JAB	5/25/13
27.	5/25/13	JAB	5/25/13
28.	5/25/13	JAB	5/25/13
29.	5/25/13	JAB	5/25/13
30.	5/25/13	JAB	5/25/13
31.	5/25/13	JAB	5/25/13
32.	5/25/13	JAB	5/25/13
33.	5/25/13	JAB	5/25/13
34.	5/25/13	JAB	5/25/13
35.	5/25/13	JAB	5/25/13
36.	5/25/13	JAB	5/25/13
37.	5/25/13	JAB	5/25/13
38.	5/25/13	JAB	5/25/13
39.	5/25/13	JAB	5/25/13
40.	5/25/13	JAB	5/25/13
41.	5/25/13	JAB	5/25/13
42.	5/25/13	JAB	5/25/13
43.	5/25/13	JAB	5/25/13
44.	5/25/13	JAB	5/25/13
45.	5/25/13	JAB	5/25/13
46.	5/25/13	JAB	5/25/13



PHASING, EROSION & SEDIMENT CONTROL PLAN
DELMAR POINTE SUBDIVISION
DELAWARE AVENUE

TOWN OF BETHLEHEM COUNTY OF ALBANY
STATE OF NEW YORK
ABD ENGINEERS, LLP
411 Union Street
Schenectady, NY 12305
518-377-0315 FAX 518-377-0379
www.abdeng.com
DATE: OCTOBER, 2013 SCALE: 1" = 60' DWG. NO: 3127-PDD-1rev SHEET OF 8 12

ALBANY COUNTY DEPT. OF HEALTH
PHASING, EROSION & SEDIMENT CONTROL PLAN
DELMAR POINTE SUBDIVISION
DELAWARE AVENUE
TOWN OF BETHLEHEM COUNTY OF ALBANY
STATE OF NEW YORK
By direction of the Commissioner of Health, these plans are hereby approved. See first sheet for date and signature.
CHAIRMAN, PLANNING BOARD

TOWN OF BETHLEHEM, NEW YORK
PLANNING DEPT. ORIGINAL
- SCANNED -
0 1 2 INCHES