PHASE I

PHASE II

PHASE III

PHASE IV

PHASE V

NORTHERN PICNIC AREA

SOUTHERN PICNIC AREA

EXISTING TRAIL

PROPOSED TRAIL

LOT #71

LOT #72

LOT #73

LOT #74

SLOPES TO BE STABILIZED WITH NORTH AMERICAN GREEN "C125" DOUBLE NET EROSION CONTROL BLANKET

PROPOSED WET WELL PUMP STATION NORTH

PROPOSED WET WELL PUMP STATION SOUTH

PROPOSED RETAINING WALL

PROPOSED 1V:1H SLOPE

100' Wetland Buffer

Wetlands Delineated By Tony Russo Of Environmental Compliance Services, Inc. In Oct. 2009

Lands Of The City Of New York

TOWN OF YORKTOWN

TOWN OF NEW CASTLE

Community Land

Pump House

STABILIZED CONSTRUCTION ENTRANCE

SOIL STOCKPILE AREA

REMOVE EXISTING PAVEMENT ALONG DELL AVENUE FROM THIS POINT TO PROPOSED NEW ROAD LOCATION NEAR SAW MILL RIVER ROAD

MICROPOOL EXTENDED DETENTION POND AS TEMPORARY SEDIMENT TRAP
DRAINAGE AREA - 7 ACRES
STORAGE REQUIRED - 25,200 CF
STORAGE PROVIDED (FROM EL. 280.5 TO 284.0) - 39,319 CF
TRAP BOTTOM ELEVATION - 280.5
TOP OF EMBANKMENT - 286.0
LENGTH OF WEIR - 16', INV. EL.=284.0

OFF-SITE WETLAND

CON-EDISON HIGH TENSION TRANSMISSION LINES & TOWERS

PRIMARY SDS ABSORPTION AREA
TWENTY (20) ROWS OF TWENTY THREE (23) 4'x4'x4' PRECAST CONCRETE GALLEYS (460 UNITS TOTAL)

100% REPLACEMENT AREA
TWENTY TWO (22) ROWS OF TWENTY FOUR (24) 4'x4'x4' PRECAST CONCRETE GALLEYS (528 UNITS TOTAL)

PIPE OUTLET SEDIMENT TRAP: ST4
DRAINAGE AREA - 4 ACRES
STORAGE REQUIRED - 14,400 CF
STORAGE PROVIDED (FROM EL. 232.5 TO 238.5) - 14,655 CF
TRAP BOTTOM ELEVATION - 232.5
TOP OF EMBANKMENT - 242.0

TEMPORARY DISCHARGE CULVERT FROM SILT TRAP

RIP RAP OUTLET

CDS TREATMENT UNIT

SAW MILL RIVER ROAD

N.Y.S. ROUTE 100

DELL AVENUE

LEGEND:

- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED HOME SITE & DRIVEWAY
- PROPOSED RETAINING WALL
- FEDERAL WETLAND BOUNDARY
- EXISTING TREE LINE
- EXISTING WELL
- EXISTING CATCH BASIN AND CULVERT
- EXISTING UTILITY POLE
- EXISTING CHAIN LINK FENCE
- PROPOSED SILT FENCE
- PROPOSED DROP INLET PROTECTION

LAWRENCE J. PAGGI, PE,PC
CONSULTING ENGINEERING *Civil, Sanitary & Site Engineering*
43 BROAD STREET *Site Planning Environmental Assessment*
FISHKILL, NEW YORK 12524

CROTON OVERLOOK

SAW MILL RIVER ROAD & DELL AVENUE
TOWN OF YORKTOWN, WESTCHESTER COUNTY, NEW YORK

EROSION CONTROL PLAN

Revisions:
MAY 12, 2011 (DEP FLAGS)

JOB NUMBER: 09-1111-15
DATE: OCTOBER 22, 2010
SCALE: 1" = 50'

SHEET # C8
8 OF 9

EROSION AND SEDIMENT CONTROL SEQUENCING SCHEDULE

THERE SHALL NOT BE MORE THAN FIVE (5) ACRES OF DISTURBED SOIL AT ANY TIME WITHOUT PRIOR WRITTEN APPROVAL FROM THE NYSDEC.

CONDUCT PRECONSTRUCTION CONFERENCE AT THE PROJECT LOCATION WITH THE OPERATOR AND THE PROJECT ENGINEER TO REVIEW THE REQUIREMENTS OF GP-0-10-001, INCLUDING POSTING OF THE REQUIRED DOCUMENTATION AND THE LOCATION WHERE THE SWPPP WILL BE MAINTAINED ON SITE.

PHASE I (APPROXIMATE AREA OF DISTURBANCE 4.92 ACRES) -

ANY BUILDING CONSTRUCTION INSIDE PROJECT SITE SHALL COMMENCE ONLY AFTER ROUGH GRADE ELEVATION HAS BEEN ACHIEVED ALONG PROPOSED ROADWAYS. (REFER TO BUILDING CONSTRUCTION EROSION AND SEDIMENT CONTROL SEQUENCING).

TO MAINTAIN STABILIZED ENTRANCE TO THE PROJECT SITE, THE EXISTING PAVEMENT IN DELL AVENUE TO BE REMOVED ONLY AFTER THE MAJORITY OF THE SITE CONSTRUCTION IS COMPLETED AND ALL DISTURBED AREAS ARE STABILIZED.

1. CONSTRUCTION ACCESS –
: STABILIZE ENTRANCE TO SITE BY INSTALLING STONE PER THE CONSTRUCTION ACCESS DETAIL. STABILIZE ADJACENT DISTURBED SOIL AREAS WITH VEGETATION.

2. DUST SUPPRESSION –
: DUST ONSITE SHALL BE MINIMIZED BY SPRAYING WATER ON DRY AREAS OF THE SITE.
: IF THE MAJORITY OF MUD OR DIRT IS NOT REMOVED FROM EXISTING TRAFFIC, HOSE BIBS SHALL BE PROVIDED AT CONSTRUCTION TRAFFIC POINTS AND VEHICLE TIRES SHALL BE WASHED BEFORE EXITING ON PUBLIC ROADS. SILT FROM THIS WASHING OPERATION SHALL BE INTERCEPTED AND TRAPPED BEFORE WASH WATER IS ALLOWED TO BE DISCHARGED OFFSITE.

3. SEDIMENT BARRIERS AND TRAPS FOR PROPOSED SITE GRADING –
: INSTALL SILT FENCE ALONG THE DOWNHILL SLOPES OF ALL AREAS TO BE DISTURBED ON THE SITE.
: USE MICROPOOL EXTENDED DETENTION POND AS A SILT TRAP DURING CONSTRUCTION. THE INSTALLATION OF ANY PLANT MATERIAL BELOW THE WATER LINE SHOULD BE DEFERRED UNTIL ALL CONTRIBUTING AREAS HAVE BEEN STABILIZED TO FACILITATE PERIODIC REMOVAL OF SEDIMENT FROM THIS BASIN.
: INSTALL OUTLET CONTROL STRUCTURE (CB29) AND CONNECT EXISTING CULVERT TO THIS STRUCTURE.
: STABILIZE ALL DISTURBED AREAS NOT TO BE SUBJECT TO TO ADDITIONAL DISTURBANCE WITHIN 7 DAYS.

4. LAND CLEARING AND ROUGH GRADING OF PROPOSED SITE INSIDE PHASE I –
: GRADE AREAS TO SUBGRADE ELEVATION.
: STABILIZE ALL DISTURBED AREAS NOT TO BE SUBJECT TO CONSTRUCTION WITHIN 7 DAYS.

5. SILT FENCE SHOULD BE INSTALLED AROUND ANY TEMPORARY SOIL STOCKPILES. IF THESE STOCKPILES ARE NOT TO BE USED WITHIN 7 DAYS THEY SHOULD BE TEMPORARILY SEEDED AND MULCHED.

6. RUNOFF CONVEYANCE SYSTEM –
: CONSTRUCT THE STORMWATER COLLECTION COMPONENTS WHICH WILL DIRECT RUNOFF TO THE TEMPORARY SILT TRAP, INCLUDING DROP INLET PROTECTION AND RIP RAP OUTLET PROTECTION.
: INLET PROTECTION, AS INDICATED IN THE DETAIL, IS TO BE INSTALLED AROUND EACH CATCH BASIN.
: TEMPORARY DIVERSION SWALES SHALL BE CONSTRUCTED AS REQUIRED TO DIRECT RUNOFF INTO THE SILT TRAP.
: STABILIZE ALL DISTURBED AREAS NOT TO BE SUBJECT TO CONSTRUCTION WITHIN 7 DAYS.

7. CONSTRUCT SANITARY SEWER MAIN, WATER MAIN AND FORCE MAIN INSIDE PHASE I.
STABILIZE ALL DISTURBED AREAS NOT TO BE SUBJECT TO CONSTRUCTION WITHIN 7 DAYS.

8. SURFACE STABILIZATION FOR PROPOSED ROADWAY INSIDE PHASE I –
: STABILIZE ROAD SURFACE BY INSTALLING ITEM 4 BASE COURSE.
: VEGETATE DISTURBED SOIL AREAS NOT TO BE SUBJECT TO ADDITIONAL DISTURBANCE WITHIN 7 DAYS.

9. ALL DISTURBED AREAS WHICH ARE TO BE LANDSCAPED SHALL BE IMMEDIATELY STABILIZED BY SEEDING AND MULCHING USING PERMANENT SEEDING PROCEDURE. SLOPES EQUAL TO OR STEEPER THAN 3H:1V SHALL BE STABILIZED WITH NORTH AMERICAN GREEN "C125" DOUBLE NET EROSION CONTROL BLANKET (INSTALL PER MANUFACTURER'S RECOMMENDATIONS).

PHASE II (APPROXIMATE AREA OF DISTURBANCE 3.67 ACRES) -

10. LAND CLEARING AND ROUGH GRADING OF PROPOSED SITE INSIDE PHASE II –
: GRADE AREAS TO SUBGRADE ELEVATION.
: STABILIZE ALL DISTURBED AREAS NOT TO BE SUBJECT TO CONSTRUCTION WITHIN 7 DAYS.

11. RUNOFF CONVEYANCE SYSTEM –
: CONSTRUCT THE STORMWATER COLLECTION COMPONENTS WHICH WILL DIRECT RUNOFF TO THE TEMPORARY SILT TRAP, INCLUDING DROP INLET PROTECTION.
: INLET PROTECTION, AS INDICATED IN THE DETAIL, IS TO BE INSTALLED AROUND EACH CATCH BASIN.
: TEMPORARY DIVERSION SWALES SHALL BE CONSTRUCTED AS REQUIRED TO DIRECT RUNOFF INTO THE SILT TRAP.
: STABILIZE ALL DISTURBED AREAS NOT TO BE SUBJECT TO CONSTRUCTION WITHIN 7 DAYS.

12. CONSTRUCT SANITARY SEWER AND WATER LINE INSIDE PHASE II.
STABILIZE ALL DISTURBED AREAS NOT TO BE SUBJECT TO CONSTRUCTION WITHIN 7 DAYS.

13. SURFACE STABILIZATION FOR PROPOSED ROAD INSIDE PHASE II –
: STABILIZE ROAD SURFACE BY INSTALLING ITEM 4 BASE COURSE.
: VEGETATE DISTURBED SOIL AREAS NOT TO BE SUBJECT TO ADDITIONAL DISTURBANCE WITHIN 7 DAYS.

14. ALL DISTURBED AREAS WHICH ARE TO BE LANDSCAPED SHALL BE IMMEDIATELY STABILIZED BY SEEDING AND MULCHING USING PERMANENT SEEDING PROCEDURE. SLOPES EQUAL TO OR STEEPER THAN 3H:1V SHALL BE STABILIZED WITH NORTH AMERICAN GREEN "C125" DOUBLE NET EROSION CONTROL BLANKET (INSTALL PER MANUFACTURER'S RECOMMENDATIONS).

15. UPON COMPLETION OF ALL CONSTRUCTION INSIDE AREAS I AND II, POND USED TEMPORARILY FOR SEDIMENT CONTROL SHOULD BE MADE PERMANENT. STORMWATER POND SHOULD BE CLEANED OF ALL SEDIMENT AND IS TO BE REPAIRED AS NECESSARY TO RESTORE IT TO ITS DESIGN DIMENSIONS. CLEAN INTERIOR OF PIPING OF DIRT AND SUPERFLUOUS MATERIALS.

16. SURFACE SAND FILTER –
: EXCAVATE AREA OF THE SURFACE SAND FILTER IN ACCORDANCE WITH THE GRADING PLAN AND SAND FILTER DETAIL.
: CONSTRUCT STORMWATER COLLECTION COMPONENTS TO DIRECT RUNOFF INTO THE SAND FILTER.
: STABILIZE ALL DISTURBED AREAS NOT TOT BE SUBJECT TO ADDITIONAL DISTURBANCE WITHIN 7 DAYS.

PHASE III (APPROXIMATE AREA OF DISTURBANCE 4.93 ACRES) -

INFILTRATION BASIN MUST BE INSTALLED PRIOR TO BUILDING CONSTRUCTION AND ROAD PAVING IN PHASES III AND IV.

17. SEDIMENT BARRIERS AND TRAPS FOR PROPOSED SITE GRADING –
: INSTALL SILT FENCE ALONG THE DOWNHILL SLOPES OF ALL AREAS TO BE DISTURBED ON THE SITE.
: CONSTRUCT TEMPORARY PIPE OUTLET SILT TRAP.
: STABILIZE ALL DISTURBED AREAS NOT TO BE SUBJECT TO ADDITIONAL DISTURBANCE WITHIN 7 DAYS.

18. LAND CLEARING AND ROUGH GRADING OF PROPOSED SITE INSIDE PHASE III –
: GRADE AREAS TO SUBGRADE ELEVATION.
: WORK SHALL PROGRESS FROM HIGHER ELEVATIONS TOWARD DELL AVENUE TO LIMIT EXPOSURE OF DELL AVENUE TO RUNOFF FROM CONSTRUCTION SITE.
: STABILIZE ALL DISTURBED AREAS NOT TO BE SUBJECT TO CONSTRUCTION WITHIN 7 DAYS.

19. RUNOFF CONVEYANCE SYSTEM –
: CONSTRUCT THE STORMWATER COLLECTION COMPONENTS WHICH WILL DIRECT RUNOFF TO THE TEMPORARY SILT TRAP, INCLUDING DROP INLET PROTECTION AND RIP RAP OUTLET PROTECTION.
: CONSTRUCT THE STORMWATER COLLECTION COMPONENTS WHICH WILL DIRECT RUNOFF TO THE OUTLET CONTROL STRUCTURE (CB30) WITH TEMPORARY INLET AND FROM THE OUTLET CONTROL STRUCTURE TO THE EXISTING CATCH BASIN IN SAW MILL RIVER ROAD, INCLUDING CDS TREATMENT UNIT AND DROP INLET PROTECTION.
: INLET PROTECTION, AS INDICATED IN THE DETAIL, IS TO BE INSTALLED AROUND EACH CATCH BASIN.
: TEMPORARY DIVERSION SWALES SHALL BE CONSTRUCTED AS REQUIRED TO DIRECT RUNOFF INTO THE SILT TRAP.
: STABILIZE ALL DISTURBED AREAS NOT TO BE SUBJECT TO CONSTRUCTION WITHIN 7 DAYS.

20. CONSTRUCT SANITARY SEWER AND WATER LINE INSIDE PHASE III.
STABILIZE ALL DISTURBED AREAS NOT TO BE SUBJECT TO CONSTRUCTION WITHIN 7 DAYS.

21. SURFACE STABILIZATION FOR PROPOSED ROAD INSIDE PHASE III –
: STABILIZE ROAD SURFACE BY INSTALLING ITEM 4 BASE COURSE.
: VEGETATE DISTURBED SOIL AREAS NOT TO BE SUBJECT TO ADDITIONAL DISTURBANCE WITHIN 7 DAYS.

22. ALL DISTURBED AREAS WHICH ARE TO BE LANDSCAPED SHALL BE IMMEDIATELY STABILIZED BY SEEDING AND MULCHING USING PERMANENT SEEDING PROCEDURE. SLOPES EQUAL TO OR STEEPER THAN 3H:1V SHALL BE STABILIZED WITH NORTH AMERICAN GREEN "C125" DOUBLE NET EROSION CONTROL BLANKET (INSTALL PER MANUFACTURER'S RECOMMENDATIONS).

PHASE IV (APPROXIMATE AREA OF DISTURBANCE 2.23 ACRES) -

23. LAND CLEARING AND ROUGH GRADING OF PROPOSED SITE INSIDE PHASE IV –
: GRADE AREAS TO SUBGRADE ELEVATION.
: STABILIZE ALL DISTURBED AREAS NOT TO BE SUBJECT TO CONSTRUCTION WITHIN 7 DAYS.

24. RUNOFF CONVEYANCE SYSTEM –
: CONSTRUCT THE STORMWATER COLLECTION COMPONENTS WHICH WILL DIRECT RUNOFF TO THE OUTLET CONTROL STRUCTURE (CB30) WITH TEMPORARY INLET, INCLUDING CDS TREATMENT UNIT AND DROP INLET PROTECTION.
: INLET PROTECTION, AS INDICATED IN THE DETAIL, IS TO BE INSTALLED AROUND EACH CATCH BASIN.
: STABILIZE ALL DISTURBED AREAS NOT TO BE SUBJECT TO CONSTRUCTION WITHIN 7 DAYS.

25. CONSTRUCT SANITARY SEWER MAIN, WATER MAIN AND FORCE MAIN INSIDE PHASE IV.
STABILIZE ALL DISTURBED AREAS NOT TO BE SUBJECT TO CONSTRUCTION WITHIN 7 DAYS.

26. SURFACE STABILIZATION FOR PROPOSED ROAD INSIDE PHASE IV –
: STABILIZE ROAD SURFACE BY INSTALLING ITEM 4 BASE COURSE.
: VEGETATE DISTURBED SOIL AREAS NOT TO BE SUBJECT TO ADDITIONAL DISTURBANCE WITHIN 7 DAYS.

27. ALL DISTURBED AREAS WHICH ARE TO BE LANDSCAPED SHALL BE IMMEDIATELY STABILIZED BY SEEDING AND MULCHING USING PERMANENT SEEDING PROCEDURE. SLOPES EQUAL TO OR STEEPER THAN 3H:1V SHALL BE STABILIZED WITH NORTH AMERICAN GREEN "C125" DOUBLE NET EROSION CONTROL BLANKET (INSTALL PER MANUFACTURER'S RECOMMENDATIONS).

28. INFILTRATION BASIN –
: EXCAVATE AREA FOR THE INFILTRATION BASIN IN ACCORDANCE WITH THE GRADING PLAN AND INFILTRATION BASIN DETAIL.
: STABILIZE ALL DISTURBED AREAS NOT TO BE SUBJECT TO ADDITIONAL DISTURBANCE WITHIN 7 DAYS.

– ITEMS 29 AND 30 BELLOW MUST BE CONSTRUCTED WITHIN A PERIOD OF DRY WEATHER.
– ITEM 29 SHALL NOT BE STARTED IF IT IS NOT CERTAIN THAT ITEM 1 CAN BE COMPLETED PRIOR TO SIGNIFICANT (0.5" WITHIN 24 HOUR PERIOD) PRECIPITATION.
– ALL AREAS, WHICH DRAIN TO THE INFILTRATION BASIN, SHALL BE COMPLETELY STABILIZED BEFORE CONNECTION TO INFILTRATION FACILITY.

29. AFTER INFILTRATION BASIN CONSTRUCTION IS COMPLETED THE PIPE OUTLET SILT TRAP SHALL BE ELIMINATED AND FINAL GRADING IS TO BE PROVIDED IN ACCORDANCE WITH THE GRADING PLAN. TEMPORARY DISCHARGE CULVERT FROM CB26 TO SILT TRAP TO BE ELIMINATED AND PERMANENT CULVERT CONNECTION BETWEEN CB26 AND CB27 TO BE CONSTRUCTED. TEMPORARY DISCHARGE CULVERT FROM THE SILT TRAP TO INFILTRATION BASIN TO BE REMOVED.

30. PERMANENT OUTLET CONTROL STRUCTURE –
: MODIFY OUTLET CONTROL STRUCTURE TO ELIMINATE TEMPORARY INLETS, AND CONSTRUCT PERMANENT ORIFICES.
: ELIMINATE CULVERTS BETWEEN CDS TREATMENT UNITS AND OUTLET CONTROL STRUCTURE.
: CONSTRUCT DISCHARGE CULVERTS FROM CDS TREATMENT UNITS THAT WILL DIRECT RUNOFF TO THE INFILTRATION BASIN.
: INSTALL RIP RAP AT THE OUTLET OF THE DISCHARGE CULVERTS.

PHASE V (APPROXIMATE AREA OF DISTURBANCE 3.96 ACRES) -

31. REMOVE THE EXISTING PAVEMENT IN DELL AVENUE.
STABILIZE ALL DISTURBED AREAS NOT TO BE SUBJECT TO ADDITIONAL DISTURBANCE WITHIN 7 DAYS.

32. SEDIMENT BARRIERS AND TRAPS FOR CONSTRUCTION OF SEWAGE DISPOSAL SYSTEM –
: INSTALL SILT FENCE ALONG THE LOWER SIDE OF PROPOSED SEWAGE DISPOSAL AREA.
: CONSTRUCT THE SEWAGE DISPOSAL SYSTEM INCLUDING REQUIRED GRADING FOR PRIMARY AND EXPANSION AREA AND INSTALLATION OF PRECAST CONCRETE GALLEYS.
: SEED AND MULCH DISTURBED AREA AS REQUIRED.

33. INSTALL SEWAGE TREATMENT PLANT COMPONENTS AND CONSTRUCT WASTEWATER TREATMENT PLANT EQUIPMENT BUILDING. VEGETATE DISTURBED SOIL AREAS NOT TO BE SUBJECT TO ADDITIONAL DISTURBANCE WITHIN 7 DAYS.

34. PAVING OF PROPOSED ROADWAY AREA –
: STABILIZE ROADWAY AREA SURFACE BY INSTALLING ASPHALT PAVEMENT.

35. BUILDING CONSTRUCTION –
: ANY BUILDING CONSTRUCTION INSIDE PROJECT SITE MAY COMMENCE AFTER THE ABOVE OUTLINED WORK IS COMPLETED. THEREFORE, THIS STAGE OF THE CONSTRUCTION SHALL BE TREATED AS AN ISOLATED WORK AREA WITHIN THE NEW DEVELOPMENT. THE CONSTRUCTION AREA SHALL BE SURROUNDED WITH SILT FENCE AND STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED TO PREVENT TRACKING INTO NEW ROADWAY.
: ALL DISTURBED AREAS NOT TO BE SUBJECT TO ADDITIONAL DISTURBANCE WITHIN 7 DAYS SHALL BE STABILIZED BY SEEDING AND MULCHING USING THE PERMANENT SEEDING PROCEDURE.
: SLOPES EQUAL TO OR STEEPER THAN 3H:1V SHALL BE STABILIZED WITH NORTH AMERICAN GREEN "C125" DOUBLE NET EROSION CONTROL BLANKET.
: DISTURBED AREAS THAT WILL NOT BE PERMANENTLY STABILIZED PRIOR TO THE END OF GROWING SEASON SHALL BE TEMPORALLY STABILIZED WITH ITEM 4 IN IMPERVIOUS AREAS AND WITH APPROPRIATE MULCH PRODUCTS IN LANDSCAPE AREAS, INCLUDING NORTH AMERICAN GREEN "C125" DOUBLE NET EROSION CONTROL BLANKET ON SLOPES.

36. UPON COMPLETION OF ALL SITE CONSTRUCTION, ALL SILT FENCES ARE TO BE REMOVED. ANY AREAS DISTURBED BY THESE REMOVAL OPERATIONS SHALL BE IMMEDIATELY SEEDED AND MULCHED IN CONFORMANCE WITH THE PROCEDURES OUTLINED HEREIN.

37. REMOVE TEMPORARY CONSTRUCTION ACCESSES ONLY PRIOR TO PAVEMENT CONSTRUCTION IN THESE AREAS (THESE AREAS ARE TO BE PAVED LAST).

NOTE:
ALL EXPOSED SOIL AREAS ARE TO BE STABILIZED BY MEANS OF PERMANENT SEEDING AND MULCHING WITHIN 7 DAYS.

EROSION CONTROL MAINTENANCE PLAN - DURING CONSTRUCTION

1. THE SITE SHALL BE INSPECTED BY A TRAINED INDIVIDUAL ON A DAILY BASIS, DURING CONSTRUCTION ACTIVITIES, AND ALL LITTER AND CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE STORMWATER MANAGEMENT FACILITIES. NO CONSTRUCTION CHEMICALS SHALL BE STORED OR USED IN A MANNER WHICH WOULD RESULT IN THOSE CHEMICALS ENTERING THE STORMWATER MANAGEMENT FACILITIES.

2. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED BY A QUALIFIED INSPECTOR FOR STABILITY AND OPERATION AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGNED.

3. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO THE ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ½ OF THE DESIGN DEPTH OF THE TRAP.

4. SEDIMENT WILL BE REMOVED FROM BEHIND SILT FENCES WHEN THE SEDIMENT BECOMES APPROXIMATELY 0.5 FEET DEEP AT THE FENCE. THE FENCES WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER.

5. THE SEDIMENT REMOVED FROM THE EROSION AND SEDIMENT CONTROL DEVICES THAT WILL NOT BE IMMEDIATELY USED OR REMOVED FROM THE SITE SHALL BE STOCKPILED AND SEEDED WITH 50 POUNDS PER ACRE OF QUICK GERMINATING RYE.

6. ANY VEGETATED AREA THAT HAS ERODED AS A RESULT OF RUNOFF SHALL BE FERTILIZED, RESEEDED AND MULCHED TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER.

CONFORMANCE TO STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

THE OPERATOR IS REQUIRED TO CONFORM TO ALL ASPECTS OF THE SWPPP PREPARED FOR THIS PROJECT, OF WHICH THESE PLANS ARE AN INTEGRAL PART.

INCLUDED WITHIN THIS SWPPP IS THE REQUIREMENT FOR THE OPERATOR TO PROVIDE THE REQUIRED OBSERVATIONS AND REPORTING BY A CERTIFIED PROFESSIONAL.

POST-CONSTRUCTION MAINTENANCE SCHEDULE

1. CATCH BASINS –

CATCH BASINS SHOULD BE INSPECTED BY THE OPERATOR ANNUALLY AND AFTER MAJOR STORM EVENTS (e.g., AFTER EACH EVENT WHERE 3 INCHES OF RAINFALL IS EXCEEDED IN A 24-HOUR PERIOD). DEBRIS AND LITTER SHOULD BE REMOVED FROM THE BASINS DURING THESE INSPECTIONS. SEDIMENT WILL HAVE TO BE REMOVED FROM THE BASINS EITHER MANUALLY OR BY VACUUM TRUCK WHEN 10% OF THE AVAILABLE CAPACITY HAS BEEN USED (e.g., FOR 12" SUMP, WHEN THE DEPTH OF SEDIMENT EXCEEDS 1.2"). IN ADDITION, THE STRUCTURES SHOULD BE REPAIRED AND/OR REPLACED ON AN AS-NEEDED BASIS.

2. STORMWATER POND –

– MAINTENANCE OF STORMWATER POND SHALL BE IN ACCORDANCE WITH APPENDIX G OF THE NEW YORK STATE STORMWATER MANAGEMENT DESIGN MANUAL.
– SEDIMENT REMOVAL FROM FOREBAY EVERY FIVE TO SIX YEARS OR WHEN 50% FULL. EROSION SHALL BE REPAIRED AS NECESSARY.
– VEGETATION ON STORMWATER POND SIDE SLOPES AND FLOOR SHALL SHALL BE PLANTED IN ACCORDANCE WITH APPENDIX H OF THE NEW YORK STATE STORMWATER MANAGEMENT DESIGN MANUAL AND SHALL BE MAINTAINED IN DENSE AND VIGOROUS CONDITION FOR THE PERIOD OF 1 YEAR AFTER CONSTRUCTION HAS BEEN COMPLETED. IF A MINIMUM COVERAGE OF 50% IS NOT ACHIEVED AFTER A SECOND GROWING SEASON, A REINFORCEMENT PLANTING IS REQUIRED.

3. INFILTRATION BASIN –

– VEGETATION ON THE BASIN SIDE SLOPES AND FLOOR SHALL BE MAINTAINED IN DENSE AND VIGOROUS GROWING CONDITION FOR THE PERIOD OF 1 YEAR AFTER CONSTRUCTION HAS BEEN COMPLETED. IF A MINIMUM COVERAGE OF 50% IS NOT ACHIEVED AFTER THE SECOND GROWING SEASON, A REINFORCEMENT PLANTING IS REQUIRED.

– VEGETATION SHALL BE MOWED AS REQUIRED DURING THE GROWING SEASON TO MAINTAIN GRASS HEIGHTS IN THE 4 TO 6 INCH RANGE.

– MAINTENANCE OF THE INFILTRATION BASIN SHALL BE IN ACCORDANCE WITH APPENDIX G OF THE NEW YORK STATE STORM WATER MANAGEMENT DESIGN MANUAL (REFER TO SWPPP FOR THE INFILTRATION BASIN OPERATION, MAINTENANCE, AND MANAGEMENT INSPECTION CHECKLIST).

PERMANENT SEEDING PROCEDURE FOR AREAS DISTURBED DURING CONSTRUCTION:

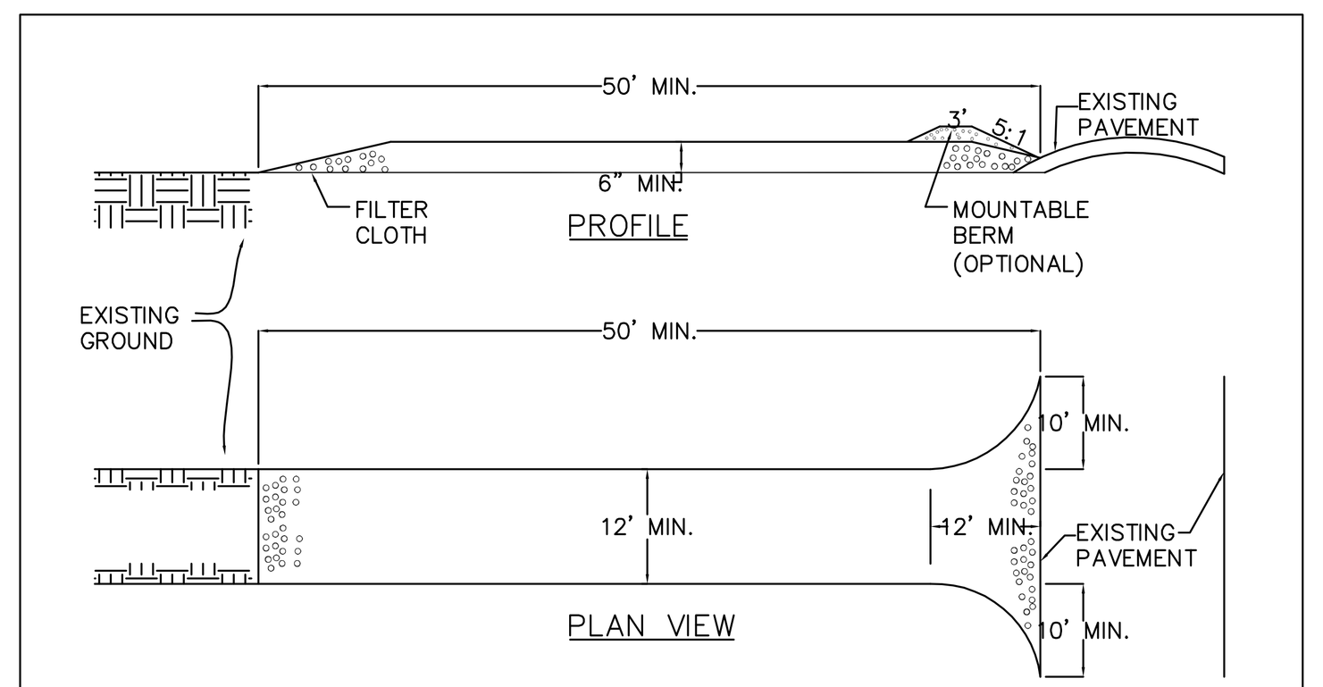
SITE PREPARATION – IF SEEDING DOES NOT OCCUR WITHIN 24 HOURS OF FINAL GRADING, SOIL SHALL BE SCARIFIED.

SOIL AMENDMENTS – LIME TO pH OF 6.0 AND FERTILIZE WITH 600 lbs. OF 5-10-10 OR EQUIVALENT PER ACRE.

SEED MIXTURE – EMPIRE BERDSFOOT TREFOIL OR COMMON WHITE CLOVER 8 lbs. PER ACRE (ADD INOCULANT IMMEDIATELY PRIOR TO SEEDING)
– TALL FESCUE 20 lbs. PER ACRE
– REDTOP OR PERENNIAL RYE GRASS 5 lbs. PER ACRE.

METHOD OF SEEDING – ANY METHOD WHICH ACHIEVES COMPLETE AND UNIFORM DISTRIBUTION AND GOOD SOIL TO SEED CONTACT WILL BE ALLOWED.

MULCH – HAY OR STRAW APPLIED AT 2 TONS PER ACRE AND COVERING APPROXIMATELY 90% OF SEEDED AREA.



CONSTRUCTION SPECIFICATION

1. STONE SIZE – USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.

2. LENGTH – NOT LESS THAN 50 FEET

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-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.

5. FILTER CLOTH – WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.

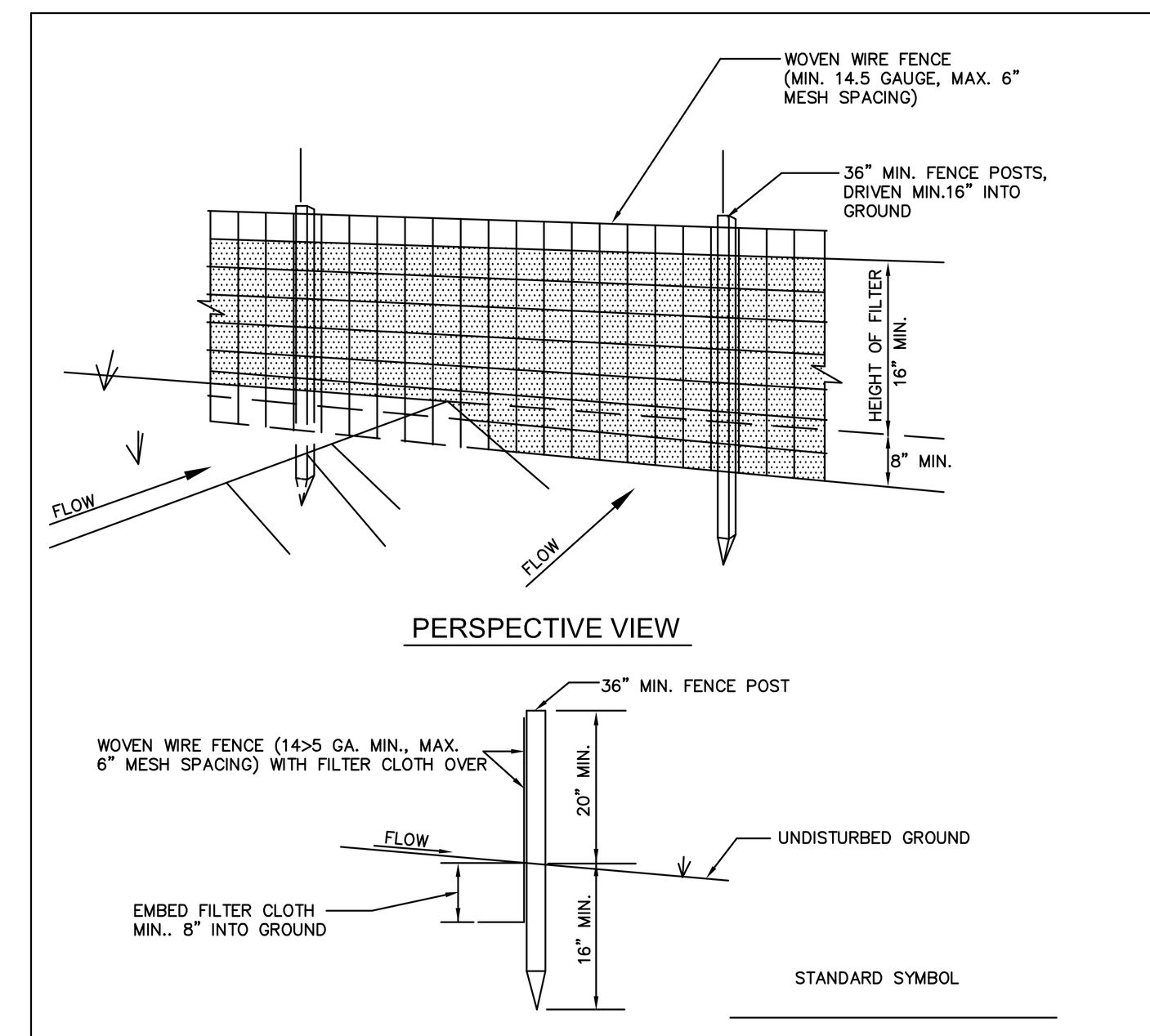
6. SURFACE WATER – ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.

7. 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 TRACTED ONTO 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 TRAPPING DEVICE.

9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE

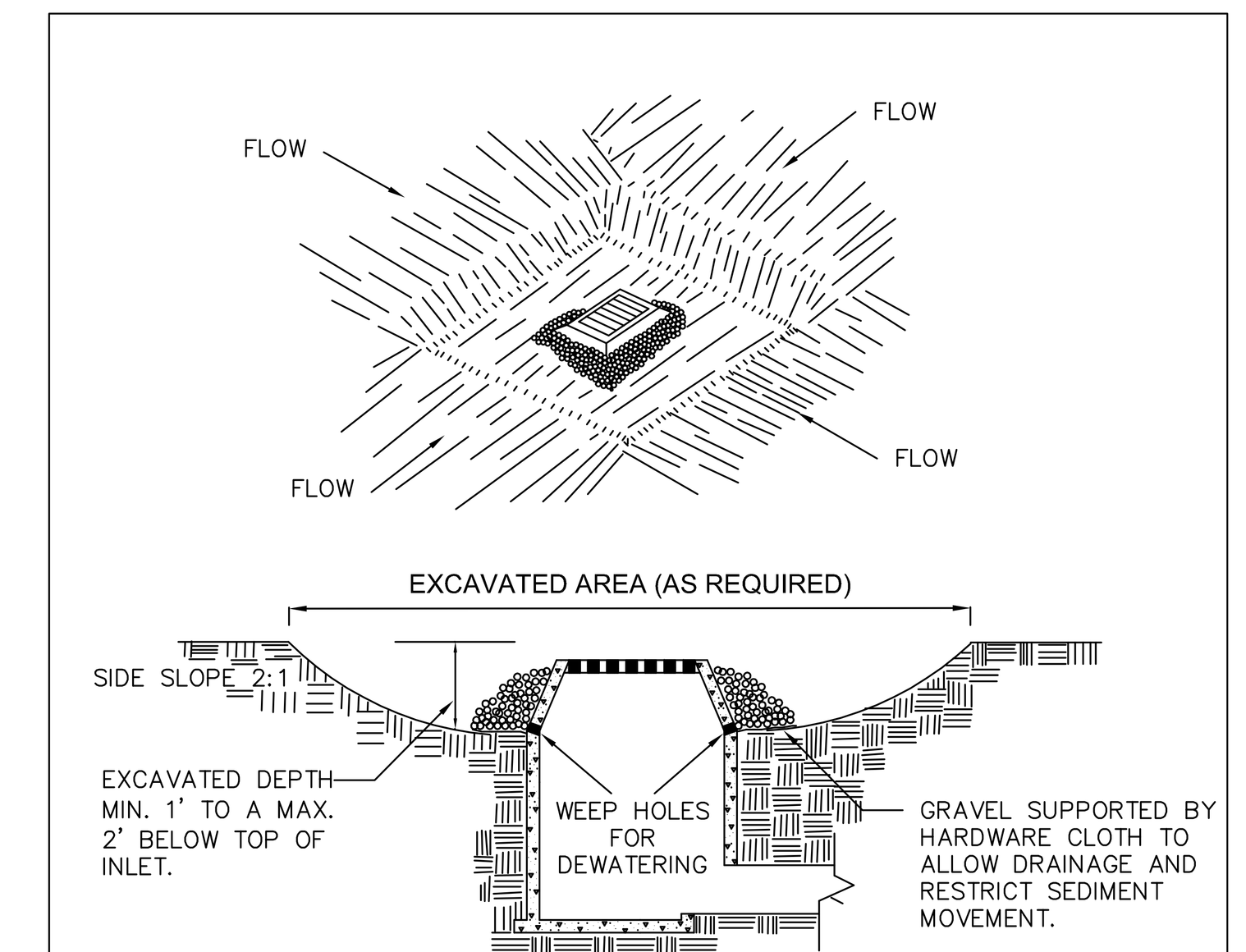


CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES
2. FILTER CLOTH TO BE 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 OVERLAPPED BY SIX INCHES AND FOLDED
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOPE IN THE SILT FENCE

POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD
FENCE: WOVEN WIRE, 14.5 GA. 6" MAX. MESH OPENING
FILTER CLOTH: FILTER X, MIRAFI 100X, STABLINKA 1140N OR APPROVED EQUAL
PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL

SILT FENCE
NO SCALE

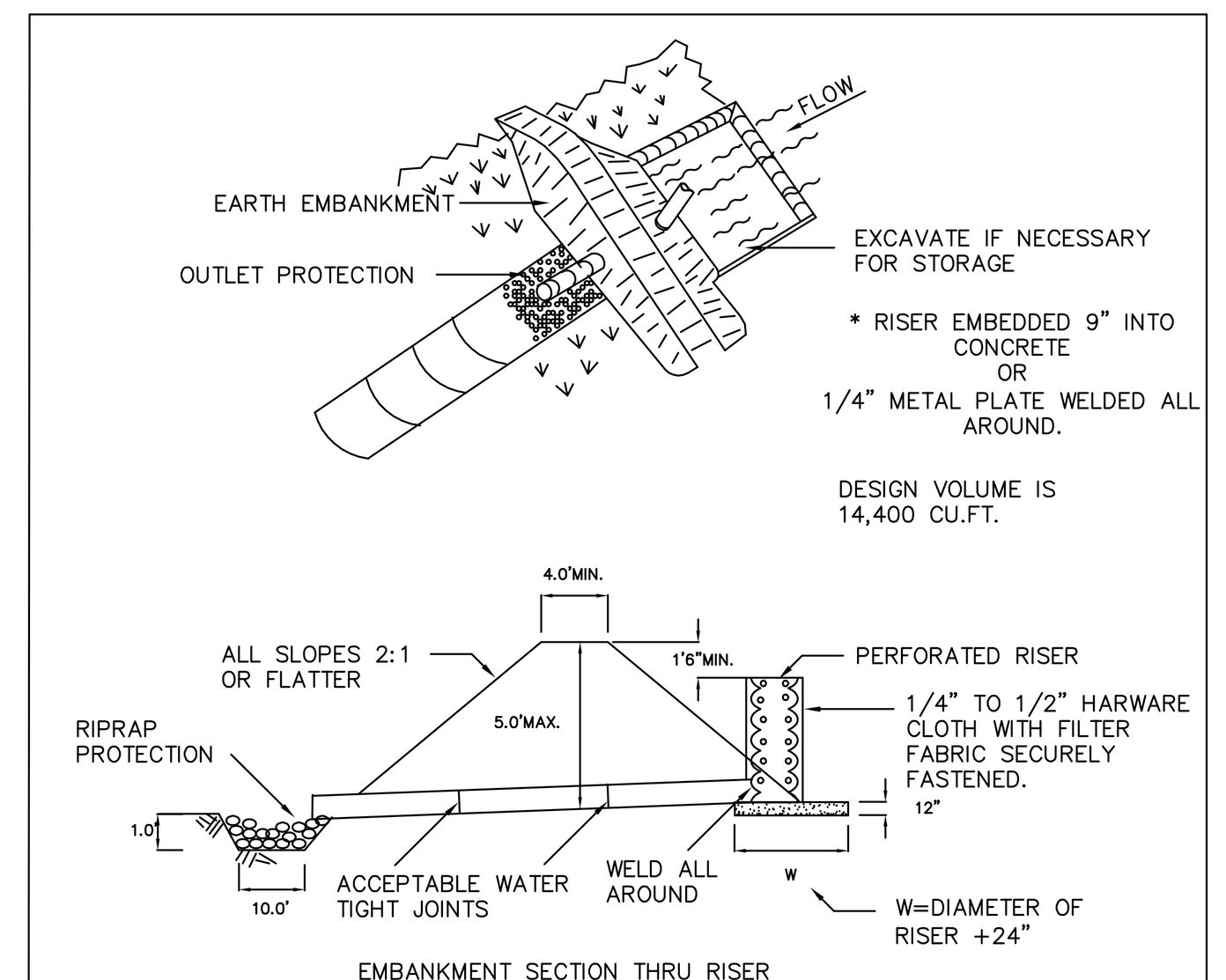


CONSTRUCTION SPECIFICATIONS

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. 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 DETAIL
NOT TO SCALE



SIZES OF PIPE NEEDED:

BARREL DIAMETER: 24"
RISER DIAMETER: 24"

NOTE:
CONSTRUCTION SPECIFICATION SHOULD BE ATTACHED TO THIS DETAIL TO COMPLETE DESIGN.

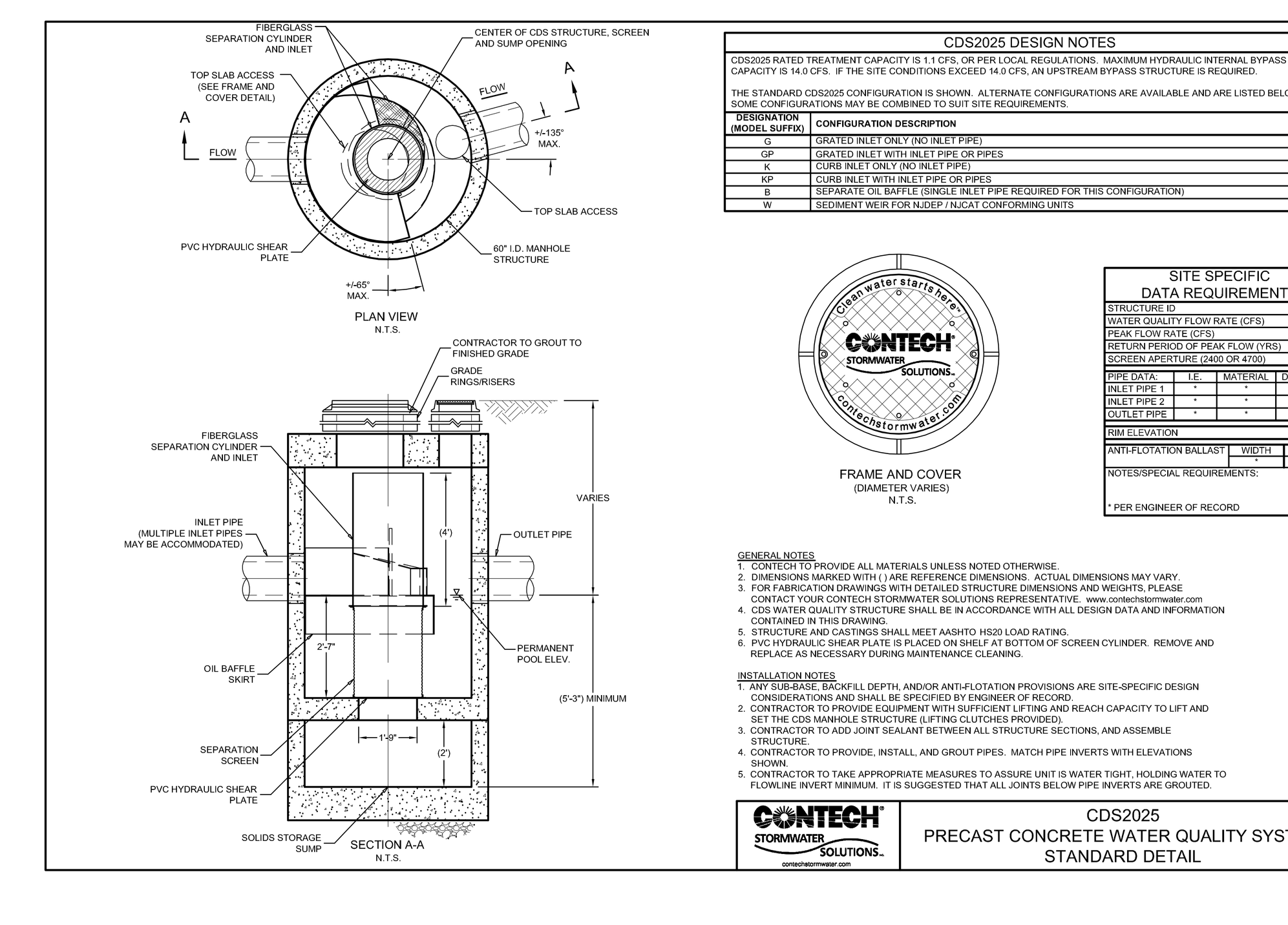
MAXIMUM DRAINAGE AREA: 5 ACRES

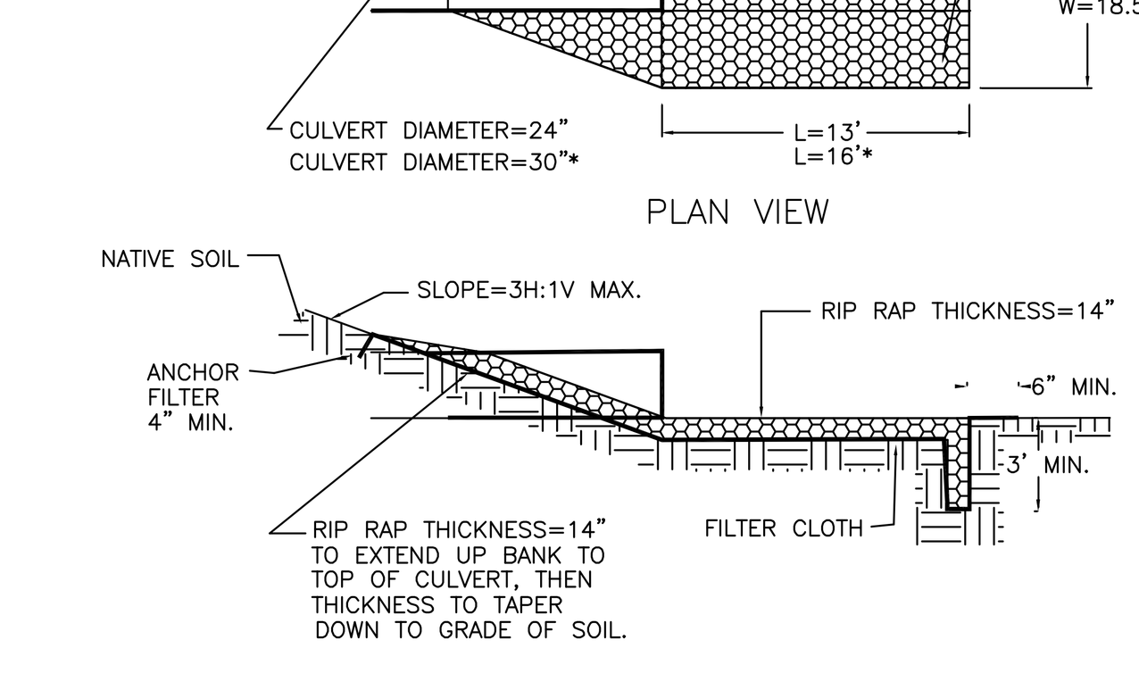
PIPE OUTLET SEDIMENT TRAP: ST-I
NO SCALE

CONSTRUCTION SPECIFICATIONS

1. AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE CLEARED.
2. THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS OR OTHER WOODY VEGETATION AS WELL AS OVER-SIZED STONES, ROCKS, ORGANIC MATERIAL, OR OTHER OBJECTIONABLE MATERIAL. THE EMBANKMENT SHALL BE COMPACTED BY TRAVERSING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED.
3. VOLUME OF SEDIMENT STORAGE SHALL BE 3600 CUBIC FEET PER ACRE OF CONTRIBUTORY DRAINAGE.
4. SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
5. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
6. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION ARE MINIMIZED.
7. THE STRUCTURE SHALL BE REMOVED AND AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
8. ALL FILL SLOPES SHALL BE 2:1 OR FLATTER; CUT SLOPES 1:1 OR FLATTER.
9. ALL PIPE CONNECTIONS SHALL BE WATERTIGHT.
10. THE TOP 2/3 OF THE RISER SHALL BE PERFORATED WITH ONE (1) INCH DIAMETER HOLES OR SLITS SPACED SIX (6) INCHES VERTICALLY AND HORIZONTALLY AND PLACED IN THE CONCAVE PORTION OF PIPE. NO HOLES WILL BE ALLOWED WITHIN SIX (6) INCHES OF THE HORIZONTAL BARREL.
11. THE RISER SHALL BE WRAPPED WITH 1/4 TO 1/2 INCH HARDWARE CLOTH WIRE THEN WRAPPED WITH FILTER CLOTH (HAVING AN EQUIVALENT SIEVE SIZE OF 40-80). THE FILTER CLOTH SHALL EXTEND SIX (6) INCHES ABOVE THE HIGHEST HOLE AND SIX (6) INCHES BELOW THE LOWEST HOLE. WHERE ENDS OF THE FILTER CLOTH COME TOGETHER, THEY SHALL BE OVER-LAPPED, FOLDED AND STAPLED TO PREVENT BYPASS.
12. STRAPS OR CONNECTING BANDS SHALL BE USED TO HOLD THE FILTER CLOTH AND WIRE FABRIC IN PLACE. THEY SHALL BE PLACED AT THE TOP AND BOTTOM OF THE CLOTH.
13. FILL MATERIAL AROUND THE PIPE SPILLWAY SHALL BE HAND COMPACTED IN FOUR (4) INCH LAYERS. A MINIMUM OF TWO (2) FEET OF HAND COMPACTED BACKFILL SHALL BE PLACED OVER THE PIPE SPILLWAY BEFORE CROSSING IT WITH CONSTRUCTION EQUIPMENT.
14. THE RISER SHALL BE ANCHORED WITH EITHER A CONCRETE BASE OR STEEL PLATE BASE TO PREVENT FLOTATION. FOR CONCRETE BASED THE DEPTH SHALL BE TWELVE (12) INCHES WITH THE RISER EMBEDDED NINE (9) INCHES. A 1/4 INCH MINIMUM THICKNESS STEEL PLATE SHALL BE ATTACHED TO THE RISER BY A CONTINUOUS WELD AROUND THE BOTTOM TO FORM A WATERTIGHT CONNECTION AND THEN PLACE TWO (2) FEET OF STONE, GRAVEL, OR TAMPED EARTH ON THE PLATE.

PIPE OUTLET SEDIMENT TRAP: ST-I - CONSTRUCTION SPECIFICATIONS





PROPOSED RIP RAP END SECTION DETAIL
NOT TO SCALE

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CROTON OVERLOOK
SAW MILL RIVER ROAD & DELL AVENUE
TOWN OF YORKTOWN, WESTCHESTER COUNTY, NEW YORK
EROSION CONTROL NOTES AND DETAILS

Revisions:

JOB NUMBER:	09-1111-15
DATE:	OCTOBER 22, 2010
SCALE:	NOTED

SHEET #
C9
9 OF 9