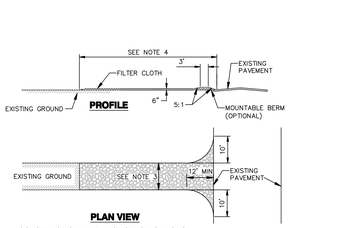
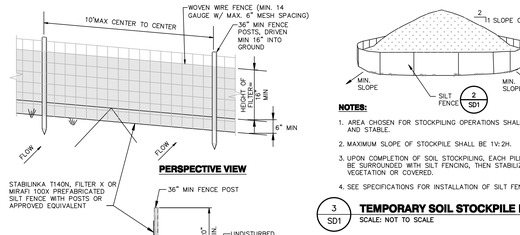



**CONSTRUCTION ENTRANCE SPECIFICATIONS:**

1. STONE SIZE – USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. THICKNESS – NOT LESS THAN SIX (6) INCHES.
3. WIDTH – TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY FOOR (24) FEET IF SINGLE ENTRANCE TO SITE.
4. LENGTH – NOT LESS THAN 50' (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30' MINIMUM LENGTH WOULD APPLY).
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. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS–OF–WAY MUST BE REMOVED IMMEDIATELY.
8. WHEEL WASHING – IF NECESSARY, WHEELS SHALL BE CLEANED 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.

1 SD1 **STABILIZED CONSTRUCTION ENTRANCE DETAIL**
SCALE: NOT TO SCALE

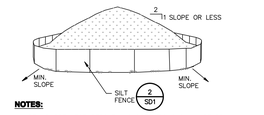



**NOTES:**

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL "T" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAX MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIALS REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
5. MAXIMUM DRAINAGE AREA FOR OVERLAND FLOW TO A SILT FENCE SHALL NOT EXCEED 1/4 ACRE PER 100 FEET OF FENCE.
6. SILT FENCE SHALL BE USED WHERE EROSION COULD OCCUR IN THE FORM OF SHEET EROSION.
7. SILT FENCE SHALL NOT BE USED WHEN A CONCENTRATION OF WATER IS FLOWING TO THE BARRIER.
8. MAXIMUM ALLOWABLE SLOPE LENGTHS CONTRIBUTING RUN–OFF TO A SILT FENCE ARE:

| SLOPE STEEPNESS | MAXIMUM SLOPE LENGTH(FT) |
|---|---|
| 2:1 | 25 |
| 3:1 | 50 |
| 4:1 | 75 |
| 5:1 OR FLATTER | 100 |

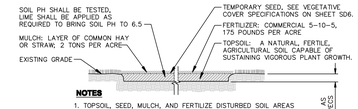
2 SD1 **SILT FENCE INSTALLATION DETAIL**
SCALE: NOT TO SCALE




**NOTES:**

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1V:2H.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH SILT FENCING, THEN STABILIZED WITH VEGETATION OR COVERED.
4. SEE SPECIFICATIONS FOR INSTALLATION OF SILT FENCE.

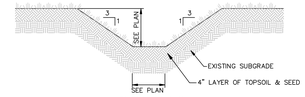
3 SD1 **TEMPORARY SOIL STOCKPILE DETAIL**
SCALE: NOT TO SCALE




**NOTES**

1. TOPSOIL, SEED, MULCH, AND FERTILIZE DISTURBED SOIL AREAS THAT WILL BE LEFT EXPOSED FOR 14 DAYS OR MORE.

4 SD1 **TEMPORARY TOPSOIL, FERTILIZER, SEED & MULCH DETAIL**
SCALE: NOT TO SCALE




**SECTION VIEW**

**NOTE:**

1. SWALES SHALL BE SEEDED AND MULCHED WITH 20LBS PER 1,000 SQ.FT OF A MIXTURE OF REED CANARY GRASS (1/3), TALL FESCUE (1/3), AND KENTUCKY BLUEGRASS (1/3).

5 SD1 **GRASS LINED SWALE DETAIL**
SCALE: NOT TO SCALE

## EROSION AND SEDIMENT CONTROL MEASURES:

**GENERAL MEASURES:**

1. DAMAGE TO SURFACE WATERS RESULTING FROM EROSION AND SEDIMENTATION SHALL BE MINIMIZED BY STABILIZING DISTURBED AREAS AND BY REMOVING SEDIMENT FROM CONSTRUCTION SITE DISCHARGES.
2. AS MUCH AS IS PRACTICAL, EXISTING VEGETATION SHALL BE PRESERVED. FOLLOWING THE COMPLETION OF CONSTRUCTION ACTIVITIES IN ANY PORTION OF THE SITE, PERMANENT VEGETATION SHALL BE ESTABLISHED ON ALL EXPOSED SOILS.
3. SITE PREPARATION ACTIVITIES SHALL BE PLANNED TO MINIMIZE THE SCOPE AND DURATION OF SOIL DISRUPTION.
4. PERMANENT TRAFFIC CORRIDORS SHALL BE ESTABLISHED AND "ROUTES OF CONVENIENCE" SHALL BE AVOIDED. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT ALL POINTS OF ENTRY ONTO THE PROJECT SITE.

## GENERAL EROSION AND SEDIMENT CONTROL NOTES:

1. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE IN STRICT COMPLIANCE WITH "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL", AUGUST 2005.
2. EXCESS SOIL TO BE STOCKPILED WITHIN THE LIMITS OF SITE DISTURBANCE IF NOT USED IMMEDIATELY FOR GRADING PURPOSES. INSTALL SILT FENCE AROUND SOIL STOCKPILES.
3. APPLY SURFACE STABILIZATION AND RESTORATION MEASURES. AREAS UNDERGOING CLEARING OR GRADING AND ANY AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WHERE WORK IS DELAYED, SUSPENDED, OR INCOMPLETE AND WILL NOT BE REDISTURBED FOR 21 DAYS OR MORE SHALL BE STABILIZED WITH TEMPORARY VEGETATIVE COVER WITHIN 14 DAYS AFTER CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS CEASED. (SEE SPECIFICATIONS FOR TEMPORARY VEGETATIVE COVER). AREAS UNDERGOING CLEARING OR GRADING AND ANY AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WHERE WORK IS COMPLETE AND WILL NOT BE REDISTURBED SHALL BE STABILIZED AND RESTORED WITH PERMANENT VEGETATIVE COVER AS SOON AS SITE AREAS ARE AVAILABLE AND WITHIN 14 DAYS AFTER WORK IS COMPLETE. (SEE SPECIFICATIONS FOR PERMANENT VEGETATIVE COVER). SEEDING FOR PERMANENT VEGETATIVE COVER SHALL BE WITHIN THE SEASONAL LIMITATIONS. PROVIDE STABILIZATION WITH TEMPORARY VEGETATIVE COVER WITHIN 14 DAYS AFTER WORK IS COMPLETE, FOR SEEDING OUTSIDE PERMITTED SEEDING PERIODS.
4. SEEDED AREAS TO BE MULCHED WITH STRAW OR HAY MULCH IN ACCORDANCE WITH VEGETATIVE COVER SPECIFICATIONS.
5. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES THROUGHOUT THE COURSE OF CONSTRUCTION.
6. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST BY SPRINKLING EXPOSED SOIL AREAS PERIODICALLY WITH WATER AS REQUIRED. THE CONTRACTOR IS TO SUPPLY ALL EQUIPMENT AND WATER.
7. WHEN ALL DISTURBED AREAS ARE STABLE, ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED.

## SPDES GENERAL PERMIT GP-0-10-001 COMPLIANCE NOTES:

THIS PLAN SET AND THE ACCOMPANYING PRELIMINARY SWPPP ENTITLED, "CRICKET VALLEY ENERGY – RASCO PROPERTY OFF–SITE CONSTRUCTION LAYDOWN AND PARKING AREA", HAVE BEEN SUBMITTED AS A SET. THESE ENGINEERING DRAWINGS ARE CONSIDERED AN INTEGRAL PART OF THE SWPPP, THEREFORE THE PLAN SET IS NOT CONSIDERED COMPLETE WITHOUT THE SWPP.

1. THIS PROJECT HAS NOT RECEIVED WRITTEN APPROVAL FROM THE NYSDEC ALLOWING THE DISTURBANCE OF MORE THAN FIVE (5) ACRES OF LAND AT ANY ONE TIME. THEREFORE, IF THE CONTRACTOR'S CONSTRUCTION SEQUENCE REQUIRES THE DISTURBANCE OF MORE THAN FIVE ACRES AT ANY ONE TIME, WRITTEN APPROVAL MUST BE OBTAINED FROM NYSDEC PRIOR TO EXCEEDING THE 5 ACRE LIMIT.

## MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES:

PERMANENT AND TEMPORARY VEGETATION:

INSPECT ALL AREAS THAT HAVE RECEIVED VEGETATION EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. ALL AREAS DAMAGED BY EROSION OR WHERE SEED HAS NOT ESTABLISHED SHALL BE REPAIRED AND RESTABILIZED IMMEDIATELY.

STABILIZED CONSTRUCTION ENTRANCE:

INSPECT THE ENTRANCE PAD EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. CHECK FOR MUD, SEDIMENT BUILD–UP AND PAD INTEGRITY. MAKE DAILY INSPECTIONS DURING WET WEATHER. RESHAPE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL. WASH AND REPLACE STONE AS NEEDED. THE STONE IN THE ENTRANCE SHOULD BE WASHED OR REPLACED WHENEVER THE ENTRANCE FAILS TO REDUCE MUD BEING CARRIED OFF–SITE BY VEHICLES. IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS BY BRUSHING OR SWEEPING. REMOVE TEMPORARY CONSTRUCTION ENTRANCE AS SOON AS THEY ARE NO LONGER NEEDED TO PROVIDE ACCESS TO THE SITE.

SILT FENCE:

INSPECT FOR DAMAGE EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. MAKE ALL REPAIRS IMMEDIATELY. REMOVE SEDIMENT FROM THE UP–SLOPE FACE OF THE FENCE BEFORE IT ACCUMULATES TO A HEIGHT EQUAL TO 1/3 THE HEIGHT OF THE FENCE. IF FENCE FABRIC TEARS, BEGINS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED SECTION OF FENCE IMMEDIATELY.

SOIL STOCKPILE:

INSPECT SEDIMENT CONTROL BARRIERS (SILT FENCE OR HAY BALE) AND VEGETATION FOR DAMAGE EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. MAKE ALL REPAIRS IMMEDIATELY. REMOVE SEDIMENT FROM THE UP–SLOPE FACE OF THE SEDIMENT CONTROL BARRIER BEFORE IT ACCUMULATES TO A HEIGHT EQUAL TO 1/3 THE HEIGHT OF THE SEDIMENT CONTROL BARRIER. IF SEDIMENT CONTROL BARRIER TEARS, BEGINS TO DECOMPOSE, OR IN ANYWAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED SECTION OF SEDIMENT CONTROL BARRIER IMMEDIATELY. REVEGETATE DISTURBED AREA TO STABILIZE SOIL STOCK PILE. REMOVE THE SEDIMENT CONTROL BARRIER WHEN THE SOIL STOCKPILE HAS BEEN REMOVED.

DUST CONTROL:

SCHEDULE CONSTRUCTION OPERATIONS TO MINIMIZE THE AMOUNT OF DISTURBED AREAS AT ANY ONE TIME DURING THE COURSE OF WORK. APPLY TEMPORARY SOIL STABILIZATION PRACTICES SUCH AS MULCHING, SEEDING, AND SPRAYING (WATER). STRUCTURAL MEASURES (MULCH, SEEDING) SHALL BE INSTALLED IN DISTURBED AREAS BEFORE SIGNIFICANT BLOWING PROBLEMS DEVELOP. WATER SHALL BE SPRAYED AS NEEDED. REPEAT AS NEEDED, BUT AVOID EXCESSIVE SPRAYING, WHICH COULD CREATE RUNOFF AND EROSION PROBLEMS.

CHECK DAM:

INSPECT CHECK DAMS EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. IF SIGNIFICANT EROSION HAS OCCURRED BETWEEN STRUCTURES & LINER OR STONE OR OTHER SUITABLE MATERIAL SHOULD BE INSTALLED IN THAT PORTION OF THE CHANNEL. REMOVE SEDIMENT ACCUMULATED BEHIND THE DAM AS NEEDED TO ALLOW CHANNEL TO DRAIN THROUGH THE STONE CHECK DAM AND PREVENT LARGE FLOWS FROM CARRYING SEDIMENT OVER THE DAM. REPLACE STONES AS NEEDED TO MAINTAIN THE DESIGN CROSS SECTION OF THE STRUCTURES. REMOVE CHECK DAMS AS PER APPROVAL OF ENGINEER.

EROSION CONTROL BLANKET:

INSPECT THE BLANKET EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. REPLACE WIRE STAPLES AS REQUIRED. REPAIR AND RESEED WHERE CRACKS AND DAMAGED VEGETATION IS EVIDENT. WHEN DAMAGED BEYOND REPAIR OR NO LONGER FUNCTIONING, THE BLANKET SHALL BE REPLACED.

EARTH DIKE:

INSPECT ALL EARTH DIKES EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. ALL AREAS DAMAGED BY EROSION SHALL BE REPAIRED IMMEDIATELY.

TEMPORARY SWALE:

INSPECT ALL EARTH DIKES EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. ALL AREAS DAMAGED BY EROSION SHALL BE REPAIRED IMMEDIATELY.

SEDIMENT TRAP:

INSPECT ALL SEDIMENT TRAPS EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. REPAIRS SHALL BE MADE AS NEEDED. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO THE ORIGINAL DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO 1/2 OF THE DESIGN DEPTH OF THE TRAP.

STORM DRAIN INLET PROTECTION:

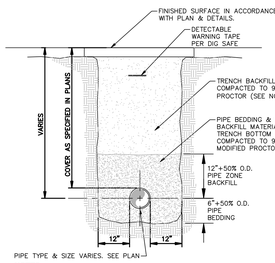
INSPECT ALL STORM DRAIN INLET PROTECTION DEVICES EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. MAKE REPAIRS AS NEEDED, REMOVE SEDIMENT FROM THE POOL AREA AS NECESSARY.

DEWATERING PITS:

(IF REQUIRED) – INSPECT DAILY DURING OPERATION FOR CLOGGING OR OVERFLOW. CLEAR INLET AND DISCHARGE PIPES OF OBSTRUCTIONS. IF A FILTER MATERIAL BECOMES CLOGGED WITH SEDIMENT, PIT SHALL BE DISMANTLED AND CONSTRUCT NEW PITS AS NEEDED.

SNOW AND ICE CONTROL:

ALL PARKING LOTS, ROADWAYS, AND DRIVEWAYS SHALL BE MAINTAINED DURING SNOW/ICE CONDITIONS THROUGH THE USE OF SAND ONLY. THE USE OF SALT IS PROHIBITED.




**NOTES:**

1. PIPE BEDDING & PIPE ZONE BACKFILL SHALL BE A NATURAL RUN–OF–BANK (R.O.B.) SAND OR A MIXTURE OF CRUSHED STONE AND GRAVEL, FREE OF SOFT, NONDURABLE PARTICLES, ORGANIC MATERIALS AND ELONGATED PARTICLES, AND SHALL BE WELL GRADED FROM FINE TO COARSE PARTICLES. BEDDING GRADATIONS SHALL BE APPROVED BY THE ENGINEER AND SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:

| SIEVE DESIGNATION | % PASSING |
|---|---|
| 3/4" | 100% |
| NO. 40 | 0–70% |
| NO. 200 | 0–10% |

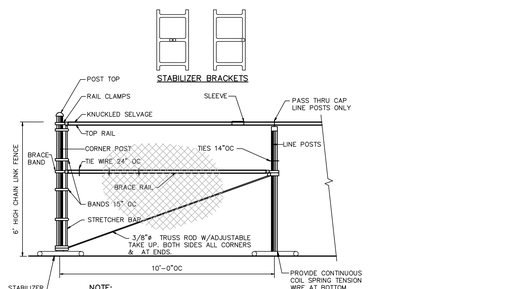
2. TRENCH BACKFILL SHALL BE A NATURAL RUN–OF–BANK (R.O.B.) OR PROCESSED GRAVEL, OR EXCAVATED MATERIAL FREE OF SOFT, NONDURABLE PARTICLES, ORGANIC MATERIALS AND ELONGATED PARTICLES, AND SHALL BE WELL GRADED FROM FINE TO COARSE PARTICLES. TRENCH BACKFILL GRADATIONS SHALL BE APPROVED BY THE ENGINEER AND SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:

| SIEVE DESIGNATION | % PASSING |
|---|---|
| 4" | 100% |
| NO. 40 | 0–70% |
| NO. 200 | 0–10% |

IN NON–TRAFFIC UNPAVED AREAS TRENCH BACKFILL CAN BE MATERIALS EXCAVATED FROM THE TRENCH AS APPROVED BY THE ENGINEER AND COMPACTED TO 90% MODIFIED PROCTOR.

3. INSTALL CONTINUOUS DETECTABLE MARKING TAPE DURING BACKFILLING OF TRENCH FOR UNDERGROUND PIPING. LOCATE TAPE 12" BELOW FINISH GRADE, DIRECTLY OVER PIPING, EXCEPT 6" BELOW SUBGRADE UNDER PAVEMENTS & SLAB.
4. TRENCHING SHALL BE IMPLEMENTED IN ACCORDANCE WITH O.S.H.A. STANDARDS.

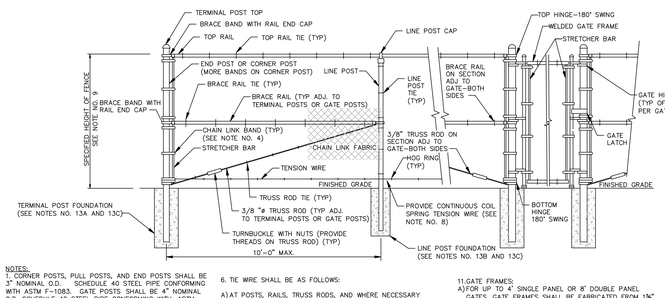
9 SD1 **PIPE TRENCH DETAIL (TYPICAL)**
SCALE: NOT TO SCALE




**NOTE:**

STABILIZER BRACKETS TO BE FROM ACADEMY FENCE COMPANY OR APPROVED EQUAL.

10 SD1 **6' HIGH TEMPORARY CHAIN LINK FENCE**
SCALE: NTS




NOTES:

1. CORNER POSTS, PULL POSTS, AND END POSTS SHALL BE 3" NOMINAL O.D. SCHEDULE 40 STEEL PIPE CONFORMING WITH ASTM F–1083. LINE POSTS SHALL BE 4" NOMINAL O.D. SCHEDULE 40 STEEL PIPE CONFORMING WITH ASTM F–1083. SAID 4" NOMINAL O.D. GATE POSTS MAY BE UTILIZED FOR SINGLE GATE OPENING WIDTHS OF 6' OR LESS AND FOR DOUBLE GATE OPENING WIDTHS OF 12' OR LESS.

2. LINE POSTS SHALL BE 2½" NOMINAL O.D. SCHEDULE 40 STEEL PIPE CONFORMING WITH ASTM F–1083.

3. TOP RAIL AND BRACE RAIL SHALL BE 1⅝" NOMINAL O.D. SCHEDULE 40 STEEL PIPE CONFORMING WITH ASTM F–1083.

4. FENCE FABRIC SHALL BE SECURED TO CORNER POSTS, PULL POSTS, AND GATE OR END POSTS WITH STRETCHER BARS (TENSION RODS) FABRICATED FROM GALVANIZED STEEL AND SECURED TO THE SAID POSTS BY THE FOLLOWING NUMBER OF EQUALLY SPACED CHAIN LINK BANDS WITH AN INSIDE DIAMETER APPROPRIATE TO THE OUTSIDE DIAMETER OF THE POST TO WHICH THEY ATTACH:
*FOR 6' HIGH FENCE: 6 EACH BANDS PER FENCE DIRECTION.

5. FENCE FABRIC SHALL BE 9 GAUGE WIRE SIZE, 2" MESH, CHAIN LINK FENCE CONFORMING WITH ASTM A–392; KNUCKLED AT TOP OF FENCE AND TWISTED AND BARBED AT BOTTOM.

6. TIE WIRE SHALL BE AS FOLLOWS:
A) AT POSTS, RAILS, TRUSS RODS, AND WHERE NECESSARY ON GATE FRAMES, MINIMUM 11 GAUGE GALVANIZED STEEL SPACED AT NOT LESS THAN 14" ON CENTER. (ALUMINUM LINE POST TIES MAY BE UTILIZED AS APPROVED BY THE ENGINEER).
B) AT TENSION WIRE: BY HOG RINGS SPACED AT NOT LESS THAN 18" ON CENTER.

7. TRUSS ROD SHALL BE ⅜" DIA. GALVANIZED STEEL ROD TIED TO FENCE FABRIC AS PROVIDED FOR IN 6. A) ABOVE. PROVIDE THREADS AS NECESSARY ON TRUSS ROD AND COMPATIBLE NUTS IN TURNBUCKLE TO FACILITATE TIGHTENING TO PUT TRUSS ROD IN TENSION.

8. TENSION WIRE SHALL BE 7 GAUGE GALVANIZED STEEL COILED SPRING WIRE. LOCATE TENSION WIRE 6" (NOMINALLY) FROM BOTTOM OF FENCE FABRIC.

9. FENCE HEIGHT SHALL BE 6'.

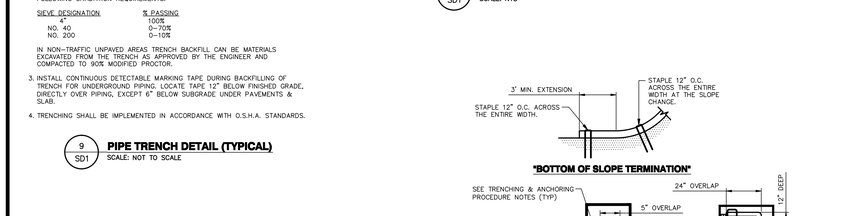
10. FENCE SHALL BE INSTALLED IN ACCORDANCE WITH ASTM F–567 AND GATES SHALL BE INSTALLED IN ACCORDANCE WITH ASTM F–900.

11. GATE FRAMES:
A) FOR UP TO 4' SINGLE PANEL OR 8' DOUBLE PANEL GATES, GATE FRAMES SHALL BE FABRICATED FROM 1⅝" O.D. SCHEDULE 40STEEL PIPE CONFORMING WITH ASTM F–1083. FOR SINGLE PANEL GATES IN EXCESS OF 4', BUT NOT OVER 6' OR DOUBLE PANEL GATES IN EXCESS 8', BUT NOT OVER 12': GATE FRAMES SHALL BE FABRICATED FROM 2" O.D. SCHEDULE 40 STEEL PIPE CONFORMING WITH ASTM F–1083.
B) EACH SIDE OF A GATE FRAME SHALL HAVE THE FOLLOWING NUMBER OF EQUALLY SPACED CHAIN LINK BANDS OF AN INSIDE DIAMETER APPROPRIATE TO THE OUTSIDE DIAMETER OF THE SCHEDULE 40 STEEL PIPE FROM WHICH THE SAID FRAME ISMANUFACTURED:*GATES IN 6' HIGH CHAIN LINK FENCE: 6 EACH BANDS PER SIDE.

12. THE GATE LATCH SHALL BE THE MALLEABLE IRON FORK TYPE AS MANUFACTURED BY PAGE WILSON AS THEIR TYPE 75 GATE LATCH ASSEMBLY. PAD LOCKS WILL BE PROVIDED BY THE OWNER.

13. POST FOUNDATIONS:
A) TERMINAL POSTS (CORNER POSTS, PULL POSTS, END POSTS, AND GATE POSTS) SHALL EACH BE SET IN A CONCRETE FOUNDATION A MINIMUM OF 12" IN DIAMETER AND 3'–4" DEEP.
B) LINE POSTS SHALL EACH BE SET IN A CONCRETE FOUNDATION A MINIMUM OF 10" IN DIAMETER AND 3'–0" DEEP.
C) ALL CONCRETE FOR POST FOUNDATIONS SHALL HAVE AN ULTIMATE COMPRESSIVE STRENGTH (f'c) AFTER 28 DAYS OF 3,000 PSI.

11 SD1 **TYPICAL GATE DETAIL**
SCALE: NOT TO SCALE

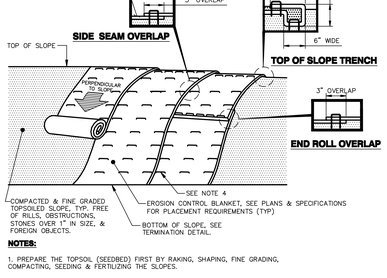



**CONSTRUCTION SPECIFICATIONS FOR PIPE OUTLET SEDIMENT TRAP**

1. THE TOP OF EMBANKMENT SHALL BE AT LEAST 1.5 FEET ABOVE THE CREST OF THE RISER.
2. THE RISER SHALL BE WRAPPED WITH 1/4 TO 1/2 INCH HARDWARE CLOTH WIRE THEN WRAPPED WITH FILTER CLOTH (HAVING EQUIVALENT SIEVE SIZE OF 40–80). THE FILTER CLOTH SHALL EXTEND ABOVE THE HIGHEST HOLE. WHERE ENDS OF THE FILTER CLOTH COME TOGETHER, THEY SHALL BE OVERLAPPED, FOLDED, AND STAPLED.
3. STRAPS OR CONNECTING HANDS SHALL BE USED TO HOLD THE FILTER CLOTH AND WIRE FABRIC IN PLACE. THEY SHALL BE PLACED AT THE TOP AND BOTTOM OF THE RISER.
4. 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 SHALL BE ALLOWED WITHIN SIX (6) INCHES OF THE HORIZONTAL BARREL.
5. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRED AS NEEDED.
6. CONSTRUCTION SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION ARE MINIMIZED.
7. STAKES SHALL BE PLACED IN THE GROUND (2 MIN.) INDICATING CLEANOUT ELEVATION.
8. ALL PIPE CONNECTIONS SHALL BE WATER TIGHT.
9. 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.
10. SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO THE DESIGN DEPTH OF CLEANOUT ELEVATION. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.

| PIPE OUTLET SEDIMENT TRAP DATA | | | | |
|---|---|---|---|---|
| | DRAINAGE AREA (AC) | REQUIRED STORAGE (CF) | STORAGE PROVIDED AT STORAGE LIMIT (CF) | CLEANOUT ELEV. |
| SD–3 | 0.27 | 988 | 1,110 | 432.94 |

14 SD1 **SEDIMENT & DETENTION FACILITY #3 PIPE OUTLET SEDIMENT TRAP**
SCALE: NOT TO SCALE




8 SD1 **END SECTION WITH STONE LINED APRON DETAIL**
SCALE: NOT TO SCALE

**STONE APRON SIZING REQUIREMENT TABLE "A"**

| CULVERT DIA. (D) | CULVERT SLOPE, % | NYSDOT STANDARD STONE FILLING APRON MATERIAL | d50 | dMAX | MINIMUM APRON THICKNESS (