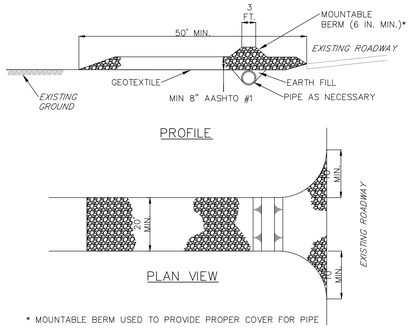


* MOUNTABLE BERM USED TO PROVIDE PROPER COVER FOR PIPE

NOTES:

REMOVE TOPSOIL PRIOR TO INSTALLATION OF ROCK CONSTRUCTION ENTRANCE. EXTEND ROCK OVER FULL WIDTH OF ENTRANCE.

RUNOFF SHALL BE DIVERTED FROM ROADWAY TO A SUITABLE SEDIMENT REMOVAL BMP PRIOR TO ENTERING ROCK CONSTRUCTION ENTRANCE.

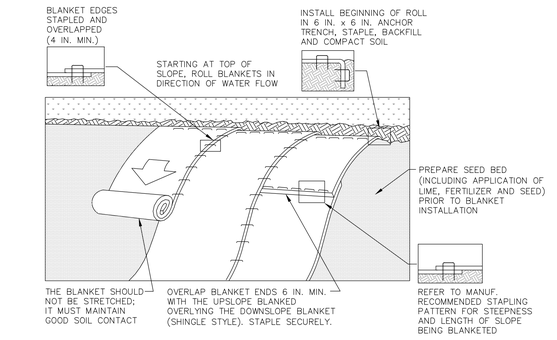
MOUNTABLE BERM SHALL BE INSTALLED WHEREVER OPTIONAL CULVERT PIPE IS USED AND PROPER PIPE COVER AS SPECIFIED BY MANUFACTURER IS NOT OTHERWISE PROVIDED. PIPE SHALL BE SIZED APPROPRIATELY FOR SIZE OF DITCH BEING CROSSED.

MAINTENANCE: ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE IMMEDIATELY. IF EXCESSIVE AMOUNTS OF SEDIMENT ARE BEING DEPOSITED ON ROADWAY, EXTEND LENGTH OF ROCK CONSTRUCTION ENTRANCE BY 50 FOOT INCREMENTS UNTIL CONDITION IS ALLEVIATED OR INSTALL WASH RACK. WASHING THE ROADWAY OR SWEEPING THE DEPOSITS INTO ROADWAY DITCHES, SEWERS, CULVERTS, OR OTHER DRAINAGE COURSES IS NOT ACCEPTABLE.

CONTRACTOR SHALL UTILIZE PUBLIC STREET SWEEPING WITH A VACUUM SWEEPER AND ROLLING OF DIRT AND GRAVEL ROADS AT THE END OF EACH WORKDAY (OR MORE FREQUENTLY AS NEEDED); MANUAL CLEANING OF TIRES PRIOR TO SITE EGRESS.

MODIFIED STANDARD CONSTRUCTION DETAIL #3-1
ROCK CONSTRUCTION ENTRANCE

NOT TO SCALE



NOTES:

SEED AND SOIL AMENDMENTS SHALL BE APPLIED ACCORDING TO THE RATES IN THE PLAN DRAWINGS PRIOR TO INSTALLING THE BLANKET.

PROVIDE ANCHOR TRENCH AT TOE OF SLOPE IN SIMILAR FASHION AS AT TOP OF SLOPE.

SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS, AND GRASS.

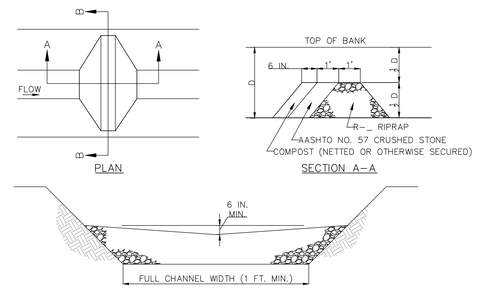
BLANKET SHALL HAVE GOOD CONTINUOUS CONTACT WITH UNDERLYING SOIL THROUGHOUT ENTIRE LENGTH. LAY BLANKET LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH SOIL. DO NOT STRETCH BLANKET.

THE BLANKET SHALL BE STAPLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

BLANKETED AREAS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT UNTIL PERENNIAL VEGETATION IS ESTABLISHED TO A MINIMUM UNIFORM 70% COVERAGE THROUGHOUT THE BLANKETED AREA. DAMAGED OR DISPLACED BLANKETS SHALL BE RESTORED OR REPLACED WITHIN 4 CALENDAR DAYS.

STANDARD CONSTRUCTION DETAIL #11-1
EROSION CONTROL BLANKET INSTALLATION

NOT TO SCALE



ROCK FILTER NO.	LOCATION	D (FT)	RIPRAP SIZE (R-_)
1	BELOW PRIMARY DISCHARGE ON UNT-6	3	R-4
2	DIVERSION CHANNEL D1 AT THE CONFLUENCE OF UNT-1	2	R-3
3	DIVERSION CHANNEL D2 AT THE CONFLUENCE OF UNT-1	2	R-3
PB-1	PUMP BYPASS 1	4	R-4
PB-2	PUMP BYPASS 2	6	R-4

FOR D ≥ 3 FT. – USE R-4
FOR D ≥ 2 FT. TO D < 3 FT. – USE R-3
NOT APPLICABLE FOR D < 2 FT.

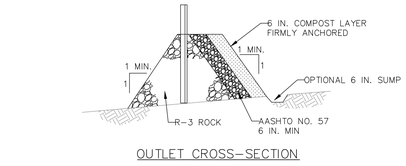
NOTES:

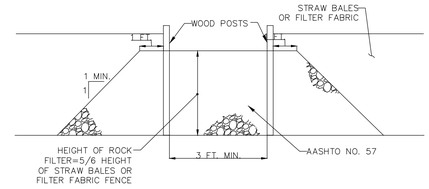
SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH 1/2 THE HEIGHT OF THE FILTERS.

IMMEDIATELY UPON STABILIZATION OF EACH CHANNEL, REMOVE ACCUMULATED SEDIMENT, REMOVE ROCK FILTER, AND STABILIZE DISTURBED AREAS.

STANDARD CONSTRUCTION DETAIL #4-14
ROCK FILTER

NOT TO SCALE





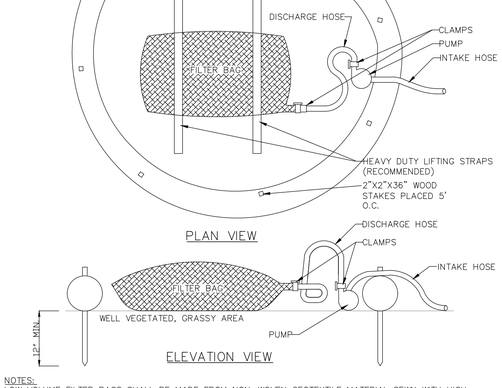
NOTES:

A ROCK FILTER OUTLET SHALL BE INSTALLED WHERE FAILURE OF A SILT FENCE OR STRAW BALE BARRIER HAS OCCURRED DUE TO CONCENTRATED FLOW. ANCHORED COMPOST LAYER SHALL BE USED ON UPSLOPE FACE IN HQ AND EV WATERSHEDS.

SEDIMENT SHALL BE REMOVED WHEN ACCUMULATIONS REACH 1/3 THE HEIGHT OF THE OUTLET.

STANDARD CONSTRUCTION DETAIL #4-6
ROCK FILTER OUTLET

NOT TO SCALE



NOTES:
LOW VOLUME FILTER BAGS SHALL BE MADE FROM NON-WOVEN GEOTEXTILE MATERIAL SEWN WITH HIGH STRENGTH, DOUBLE STITCHED "J" TYPE SEAMS. THEY SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS. HIGH VOLUME FILTER BAGS SHALL BE MADE FROM WOVEN GEOTEXTILES THAT MEET THE FOLLOWING STANDARDS:

PROPERTY	TEST METHOD	MINIMUM STANDARD
AVG. WIDE WIDTH STRENGTH	ASTM D-4884	60 LB/IN
GRAB TENSILE	ASTM D-4632	205 LB
PUNCTURE	ASTM D-4833	110 LB
MULLEN BURST	ASTM D-3786	350 PSI
UV RESISTANCE	ASTM D-4355	70%
AOS % RETAINED	ASTM D-4751	80 SIEVE

A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES SHALL BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 1/2 FULL OF SEDIMENT. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED. BAGS SHALL BE PLACED ON STRAPS TO FACILITATE REMOVAL UNLESS BAGS COME WITH LIFTING STRAPS ALREADY ATTACHED.

BAGS SHALL BE LOCATED IN WELL-VEGETATED (GRASSY) AREA, AND DISCHARGE ONTO STABLE, EROSION RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE UNDERLAYMENT AND FLOW PATH SHALL BE PROVIDED. BAGS MAY BE PLACED ON FILTER STONE TO INCREASE DISCHARGE CAPACITY. BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5% FOR SLOPES EXCEEDING 5%, CLEAN ROCK OR OTHER NON-ERODIBLE AND NON-POLLUTING MATERIAL MAY BE PLACED UNDER THE BAG TO REDUCE SLOPE STEEPNESS.

NO DOWNSLOPE SEDIMENT BARRIER IS REQUIRED FOR MOST INSTALLATIONS. COMPOST BERM OR COMPOST FILTER SOCK SHALL BE INSTALLED BELOW BAGS LOCATED IN HQ OR EV WATERSHEDS, WITHIN 50 FEET OF ANY RECEIVING SURFACE WATER OR WHERE GRASSY AREA IS NOT AVAILABLE.

THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED. A PIECE OF PVC PIPE IS RECOMMENDED FOR THIS PURPOSE.

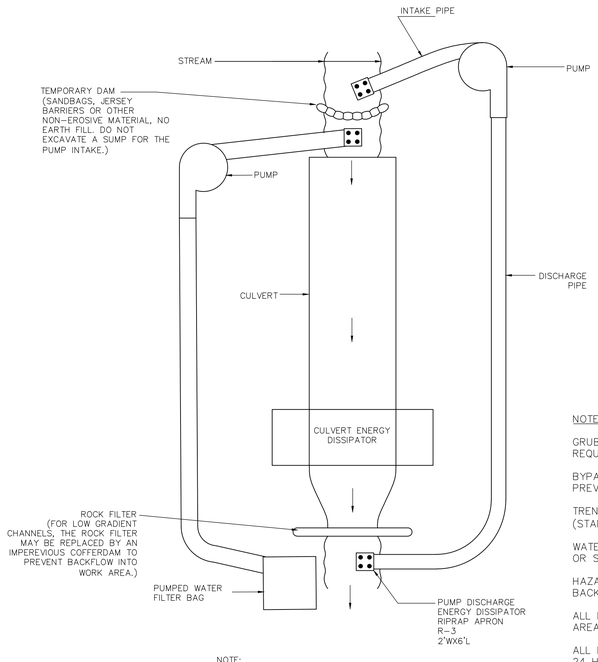
THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHALL BE FLOATING AND SCREENED.

FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.

FILTER BAGS SHALL BE RINGED BY A COMPOST FILTER SOCK.

MODIFIED STANDARD CONSTRUCTION DETAIL #3-16
PUMPED WATER FILTER BAG WITH COMPOST SOCK RING

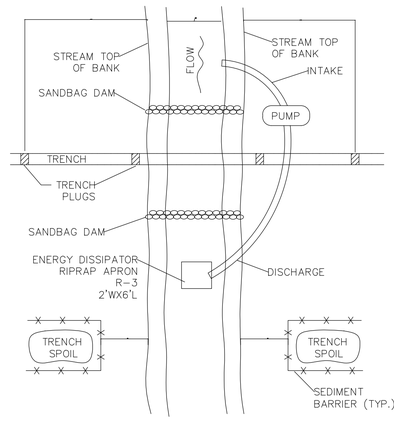
NOT TO SCALE



NOTE:
PUMP INTAKE SHALL BE MAINTAINED A SUFFICIENT DISTANCE FROM BOTTOM TO PREVENT SEDIMENT FROM ENTERING THE SYSTEM.

TEMPORARY COFFERDAM AND PUMP BY-PASS

NOT TO SCALE



NOTES:

GRUBBING SHALL NOT TAKE PLACE WITHIN 50 FEET OF TOP-OF-BANK UNTIL ALL MATERIALS REQUIRED TO COMPLETE CROSSING ARE ON SITE AND PIPE IS READY FOR INSTALLATION.

BYPASS PUMP INTAKE SHALL BE MAINTAINED A SUFFICIENT DISTANCE FROM THE BOTTOM TO PREVENT PUMPING OF CHANNEL BOTTOM MATERIALS.

TRENCH PLUGS SHALL BE INSTALLED WITHIN THE TRENCH ON BOTH SIDES OF THE STREAM CHANNEL (STANDARD CONSTRUCTION DETAIL #13-4).

WATER ACCUMULATING WITHIN THE WORK AREA SHALL BE PUMPED TO A PUMPED WATER FILTER BAG OR SEDIMENT TRAP PRIOR TO DISCHARGING INTO ANY SURFACE WATER.

HAZARDOUS OR POLLUTANT MATERIAL STORAGE AREAS SHALL BE LOCATED AT LEAST 100 FEET BACK FROM THE TOP OF STREAMBANK.

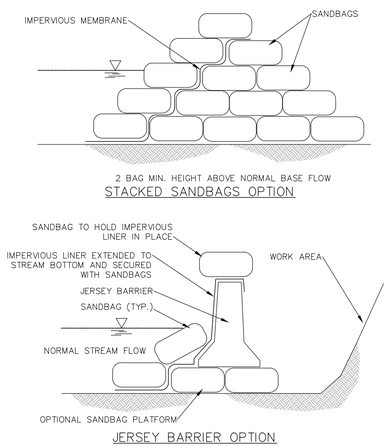
ALL EXCESS EXCAVATED MATERIAL SHALL BE IMMEDIATELY REMOVED FROM THE STREAM CROSSING AREA.

ALL DISTURBED AREAS WITHIN 50 FEET OF TOP-OF-BANK SHALL BE BLANKETED OR MATTED WITHIN 24 HOURS OF INITIAL DISTURBANCE FOR MINOR STREAMS OR 48 HOURS OF INITIAL DISTURBANCE FOR MAJOR STREAMS UNLESS OTHERWISE AUTHORIZED.

APPROPRIATE STREAMBANK PROTECTION SHALL BE PROVIDED WITHIN THE CHANNEL.

STANDARD CONSTRUCTION DETAIL #13-2
TYPICAL UTILITY LINE STREAM CROSSING WITH PUMP BYPASS

NOT TO SCALE



STANDARD CONSTRUCTION DETAIL #3-15
SANDBAG DIVERSION DAM OR COFFERDAM

NOT TO SCALE

GENERAL NOTES:

PE SEAL:

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
MARTHA L. FRECH
ENGINEER
039026E

REVISIONS:
1. 3-20-2024 REV. CFS CHART.
2. 5-16-2024 REV. CFS CHART.
3. 1-24-2025 REV. CFS CHART.
4. 6-25-2025 GENERAL REVISIONS.
5. 8-14-2025 GENERAL REVISIONS.
6. 6-10-2026 GENERAL REVISIONS.

PROJECT NAME AND LOCATION:

QUAKER VALLEY HIGH SCHOOL FACILITY
LEET TOWNSHIP, EDGEWORTH AND LEETSDALE BOROUGHS
ALLEGHENY COUNTY
PENNSYLVANIA

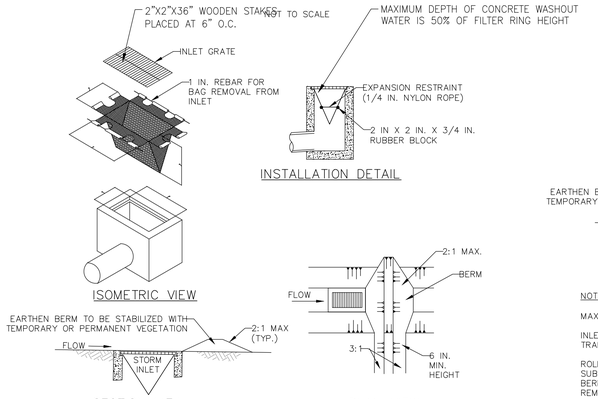
DRAWING TITLE:

EROSION AND SEDIMENT CONTROL DETAILS
SHEET 1 OF 7

CLIENT:
QUAKER VALLEY SCHOOL DISTRICT
100 LEETSDALE
INDUSTRIAL DRIVE, SUITE B
LEETSDALE, PA 15056

STREAMLINE ENGINEERING INC.
110 ALLAN STREET
LOWER BURRELL, PA 15068
TELE: (724) 594-0326
FAX: (724) 594-0328

ISSUE DATE:	11-13-2023
PROJECT NUMBER:	21-109
DRAWING NUMBER:	ESC301
SCALE:	AS SHOWN
DRAWN BY: MLF	CHECKED BY: KLF



NOTES:

MAXIMUM DRAINAGE AREA = 1/2 ACRE.

INLET PROTECTION SHALL NOT BE REQUIRED FOR INLET TRIBUTARY TO SEDIMENT BASIN OR TRAP. BERMS SHALL BE REQUIRED FOR ALL INSTALLATIONS.

ROLLED EARTHEN BERM IN ROADWAY SHALL BE MAINTAINED UNTIL ROADWAY IS STONED. ROAD SUBBASE BERM ON ROADWAY SHALL BE MAINTAINED UNTIL ROADWAY IS PAVED. EARTHEN BERM IN CHANNEL SHALL BE MAINTAINED UNTIL PERMANENT STABILIZATION IS COMPLETED OR REMAIN PERMANENTLY.

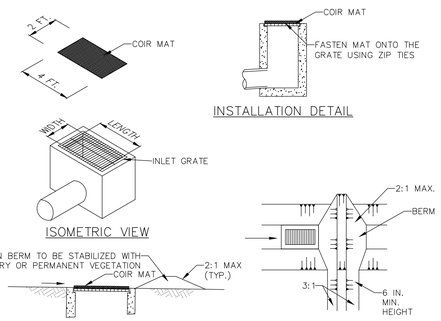
AT A MINIMUM, THE FABRIC SHALL HAVE A MINIMUM GRAB TENSILE STRENGTH OF 120 LBS., A MINIMUM BURST STRENGTH OF 200 PSI, AND A MINIMUM TRAPEZOIDAL TEAR STRENGTH OF 50 LBS. FILTER BAGS SHALL BE CAPABLE OF TRAPPING ALL PARTICLES NOT PASSING A NO. 40 SIEVE.

INLET FILTER BAGS SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT. BAGS SHALL BE EMPTIED AND RINSED OR REPLACED WHEN HALF FULL OR WHEN FLOW CAPACITY HAS BEEN REDUCED SO AS TO CAUSE FLOODING OR BYPASSING OF THE INLET. DAMAGED OR CLOGGED BAGS SHALL BE REPLACED. A SUPPLY SHALL BE MAINTAINED ON SITE FOR REPLACEMENT OF BAGS. ALL NEEDED REPAIRS SHALL BE INITIATED IMMEDIATELY AFTER THE INSPECTION. DISPOSE ACCUMULATED SEDIMENT AS WELL AS ALL USED BAGS ACCORDING TO THE PLAN NOTES.

DO NOT USE ON MAJOR PAVED ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.

STANDARD CONSTRUCTION DETAIL #4-16
FILTER BAG INLET PROTECTION - TYPE M INLET

NOT TO SCALE



NOTES:

MAXIMUM DRAINAGE AREA = 1/2 ACRE.

INLET PROTECTION SHALL NOT BE REQUIRED FOR INLET TRIBUTARY TO SEDIMENT BASIN OR TRAP. BERMS SHALL BE REQUIRED FOR ALL INSTALLATIONS.

ROLLED EARTHEN BERM IN ROADWAY SHALL BE MAINTAINED UNTIL ROADWAY IS STONED. ROAD SUBBASE BERM ON ROADWAY SHALL BE MAINTAINED UNTIL ROADWAY IS PAVED. EARTHEN BERM IN CHANNEL SHALL BE MAINTAINED UNTIL PERMANENT STABILIZATION IS COMPLETED OR REMAIN PERMANENTLY.

CLEAN THE AREA – ALL THE DEBRIS AND SEDIMENT AROUND THE DRAIN NEEDS TO BE CLEARED OUT, SO YOU CAN START WITH A TIDY SPACE.

PUT IN PLACE – MAKE SURE YOUR COCONUT COIR MAT OR ROLL COVERS THE RIGHT AREA. THE COIR MAT COVER SHOULD EXTEND AT LEAST ONE INCH BEYOND THE FRONT AND BOTH CURB ENDS.

INSERT THE ZIP TIES – ONCE THE PIECE IS VERIFIED AND IN PLACE, CONNECT IT TO THE DRAIN WITHOUT LIFTING THE GRATE COVER. PUSH THE ZIP TIES THROUGH THE COIR MAT FILTER TO LOOP AROUND THE GRATE BARS AND BACK THROUGH THE COIR MAT. THE SPACE BETWEEN THE IN–AND–OUT POINTS SHOULD BE ABOUT 2 INCHES.

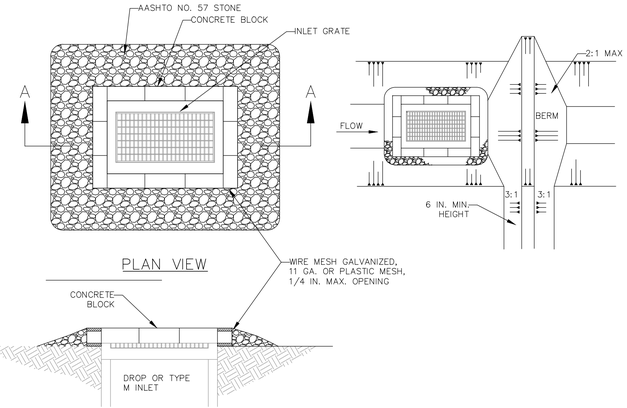
TIGHTEN ZIP TIES – ONCE ALL THE ZIP TIES HAVE BEEN INSERTED, LOOPED AROUND, AND LOOSELY ATTACHED, DOUBLE–CHECK THE POSITIONING OF THE MAT. WHEN YOU'RE SURE OF THE PLACING, TIGHTEN THE ZIP TIES AND CUT OFF THE ENDS, LEAVING A 1 INCH TAIL. THE COIR MAT IS READY!

COIR MATS SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT. MATS SHALL BE SWEPT AND RINSED OR REPLACED WHEN FLOW CAPACITY HAS BEEN REDUCED SO AS TO CAUSE FLOODING OR BYPASSING OF THE INLET. DAMAGED OR CLOGGED MATS SHALL BE REPLACED. A SUPPLY SHALL BE MAINTAINED ON SITE FOR REPLACEMENT OF MATS. ALL NEEDED REPAIRS SHALL BE INITIATED IMMEDIATELY AFTER THE INSPECTION. DISPOSE ACCUMULATED SEDIMENT AS WELL AS ALL USED MATS ACCORDING TO THE PLAN NOTES.

DO NOT USE ON MAJOR PAVED ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.

ALTERNATE CONSTRUCTION DETAIL
COIR MAT INLET PROTECTION - TYPE M INLET

NOT TO SCALE



NOTES:

MAXIMUM DRAINAGE AREA =1 ACRE.

INLET PROTECTION SHALL NOT BE REQUIRED FOR INLET TRIBUTARY TO SEDIMENT BASIN OR TRAP. BERMS SHALL BE REQUIRED FOR ALL INSTALLATIONS NOT LOCATED AT A LOW POINT.

ROLLED EARTHEN BERM IN ROADWAY SHALL BE PROVIDED AND MAINTAINED IMMEDIATELY DOWN GRADIENT OF THE PROTECTED INLET UNTIL ROADWAY IS STONED. ROAD SUBBASE BERM ON ROADWAY SHALL BE MAINTAINED UNTIL ROADWAY IS PAVED. EARTHEN BERM IN CHANNEL SHALL BE MAINTAINED UNTIL PERMANENT STABILIZATION IS COMPLETED OR TO REMAIN PERMANENTLY.

TOP OF BLOCK SHALL BE AT LEAST 6 INCHES BELOW ADJACENT ROADS IF PONDED WATER WOULD POSE A SAFETY HAZARD TO TRAFFIC.

SEDIMENT SHALL BE REMOVED WHEN IT REACHES HALF THE HEIGHT OF THE STONE. DAMAGED OR CLOGGED INSTALLATIONS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

FOR SYSTEMS DISCHARGING TO HQ OR EV SURFACE WATER, A 6 INCH THICK COMPOST LAYER SHALL BE SECURELY ANCHORED ON OUTSIDE AND OVER TOP OF STONE. COMPOST SHALL MEET THE STANDARDS IN TABLE 4.2 OF THE PA DEP EROSION CONTROL MANUAL.

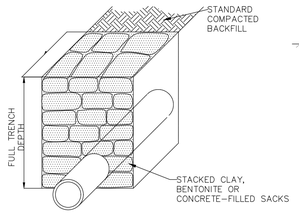
ANCHOR A 6: THICK LAYER OF COMMPOST ON OUTSIDE AND OVERTOP OF THE STONE

MODIFIED STANDARD CONSTRUCTION DETAIL #4-18
STONE AND CONCRETE BLOCK INLET PROTECTION - TYPE M INLET

NOT TO SCALE

CATCH BASIN	DRAINAGE AREA (Acres)	CATCH BASIN PROTECTION DETAIL *
CB – 19–1	0.07	#4–16
CB – 19.2	0.13	#4–16
CB – 20.0	0.06	#4–16
CB – 19.3	0.26	#4–16
CB – 19.5	0.07	#4–16
CB – 19.4	0.43	#4–16
CB – 17.2	0.25	#4–16
CB – 18.0	0.92	#4–18
CB – 17.3	0.10	#4–16
CB – 17.4	0.11	#4–16
CB – 17.5	0.06	#4–16
NS – 12.12	0.26	#4–16
NS – 10.0	1.19	#4–18 AND SB–1
NS – 9.13	0.06	#4–16
NS – 9.12	0.08	#4–16
CB – 24.0	0.15	#4–16
NS – 9.11	0.07	#4–16
CB – 23.0	0.22	#4–16
NS – 9.10	0.10	#4–16
NS – 9.8	0.11	#4–16
CB – 11.0	0.07	#4–16
OS – 14.2	0.39	#4–16
NS – 9.7	0.16	#4–16
OS – 22.1	1.09	#4–18 AND SB–1
CB – 21.6	0.12	#4–16
NS – 9.14	0.06	#4–16
NS – 25.2	0.59	#4–18
NS – 26.7	<0.5	#4–16
NS – 5.10	3.71	#4–18 AND SB–1
CB – 5.2	1.27	#4–18 AND SB–1
CB – 8.0	0.04	#4–16
CB – 5.8	0.06	#4–16
CB – 5.6	0.05	#4–16
CB – 7.0	0.04	#4–16
CB – 5.5	0.07	#4–16
CB – 6.0	0.05	#4–16
NS – 5.3	0.06	#4–16
E–1	1.33	#4–18
E–2	1.44	#4–18
E–3	1.39	#4–18
E–6	1.41	#4–18
EXCB–1	0.10	#4–16
EXCB–2	0.10	#4–16

* COIR MAT INLET PROTECTION MAY BE SUBSTITUDED FOR DETAIL #4–16.



PA DEP EROSION CONTROL MANUAL TABLE 13.1
MAXIMUM SPACING AND MATERIALS FOR TRENCH PLUGS

TRENCH SLOPE (%)	SPACING L (FT.)	PLUG MATERIAL
< 5	1000	* CLAY, BENTONITE, OR CONCRETE FILLED SACKS
5 – 15	500	* CLAY, BENTONITE, OR CONCRETE FILLED SACKS
15 – 25	300	* CLAY, BENTONITE, OR CONCRETE FILLED SACKS
25 – 35	200	* CLAY, BENTONITE, OR CONCRETE FILLED SACKS
35 – 100	100	* CLAY, BENTONITE, OR CONCRETE FILLED SACKS
> 100	50	CEMENT BAGS (WETTED) OR MORTARED STONE

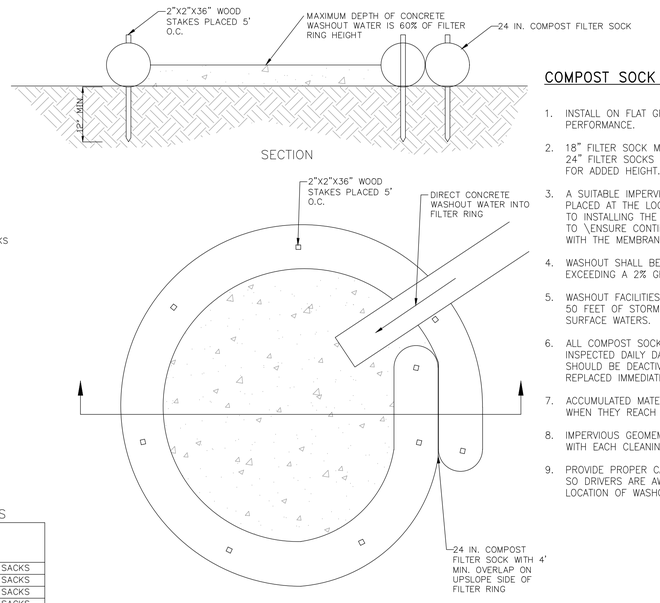
* TOPSOIL MAY NOT BE USED TO FILL SACKS

NOTES:

IMPERVIOUS TRENCH PLUGS ARE REQUIRED FOR ALL STREAM, RIVER, WETLAND, OR OTHER WATER BODY CROSSINGS.

STANDARD CONSTRUCTION DETAIL #13-4
TRENCH PLUG INSTALLATION

NOT TO SCALE



COMPOST SOCK WASHOUT

NOT TO SCALE

COMPOST SOCK WASHOUT NOTES:

1. INSTALL ON FLAT GRADE FOR OPTIMUM PERFORMANCE.
2. 18" FILTER SOCK MAY BE STACKED ONTO DOUBLE 24" FILTER SOCKS IN PYRAMIDAL CONFIGURATION FOR ADDED HEIGHT.
3. A SUITABLE IMPERVIOUS GEOMEMBRANE SHALL BE PLACED AT THE LOCATION OF THE WASHOUT PRIOR TO INSTALLING THE SOCKS. CARE SHOULD BE TAKEN TO \ENSURE CONTINUOUS CONTACT OF THE SOCK WITH THE MEMBRANE AT ALL LOCATIONS.
4. WASHOUT SHALL BE LOCATED ON SLOPES NOT EXCEEDING A 2% GRADE.
5. WASHOUT FACILITIES SHOULD NOT BE PLACED WITHIN 50 FEET OF STORM DRAINS, OPEN DITCHES OR SURFACE WATERS.
6. ALL COMPOST SOCK WASHOUT FACILITIES SHOULD BE INSPECTED DAILY DAMAGED OR LEAKING WASHOUTS SHOULD BE DEACTIVATED AND REPAIRED OR REPLACED IMMEDIATELY.
7. ACCUMULATED MATERIALS SHOULD BE REMOVED WHEN THEY REACH 75% CAPACITY.
8. IMPERVIOUS GEOMEMBRANE SHOULD BE REPLACED WITH EACH CLEANING OF WASHOUT FACILITY.
9. PROVIDE PROPER CAUTION AND/OR WARNING SIGNS SO DRIVERS ARE AWARE OF THE PRESENCE AND LOCATION OF WASHOUT FACILITIES.

GENERAL NOTES:

PE SEAL:

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
MARTHA L. FRECH
ENGINEER
039026E

REVISIONS:
1. 6–25–2025 GENERAL REVISIONS.
2. 1–20–2026 ADDED UTILITY LINE STREAM CROSSING DETAIL.
3. 6–10–26 GENERAL REVISIONS.

PROJECT NAME AND LOCATION:

QUAKER VALLEY
HIGH SCHOOL FACILITY
LEET TOWNSHIP, EDGEWORTH AND LEETSDALE BOROUGHS
ALLEGHENY COUNTY
PENNSYLVANIA

DRAWING TITLE:

EROSION AND SEDIMENT CONTROL DETAILS
SHEET 2 OF 7

CLIENT:
QUAKER VALLEY SCHOOL DISTRICT
100 LEETSDALE
INDUSTRIAL DRIVE, SUITE B
LEETSDALE, PA 15056

STREAMLINE ENGINEERING INC.
110 ALLAN STREET
LOWER BURRELL, PA 15068
TELE: (724) 594–0326
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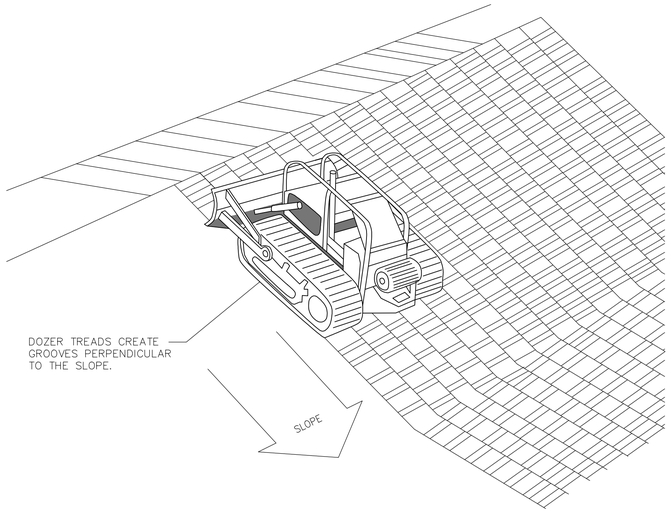
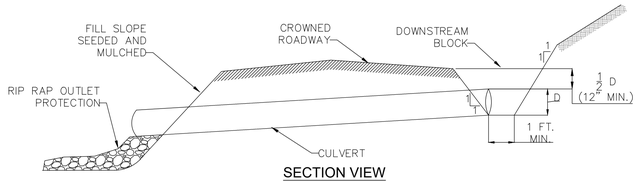
ISSUE DATE:	11–13–2023
PROJECT NUMBER:	21–109
DRAWING NUMBER:	ESC302
SCALE:	AS SHOWN
DRAWN BY: MLF	CHECKED BY: KLF



NOTE:
1. TRACKING A SLOPE IS DONE BY RUNNING TRACKED MACHINE UP AND DOWN THE SLOPE, LEAVING TREAD MARKS PARALLEL TO THE CONTOUR. (IF A BULLDOZER IS USED THE BLADE SHOULD BE UP.) CARE SHOULD BE EXERCISED ON SOILS HAVING A HIGH CLAY CONTENT TO AVOID OVER-COMPACTION.

TRACKING A FILL SLOPE
NOT TO SCALE



SECTION VIEW

NOTES:

CUT AND FILL SLOPES SHALL BE STABILIZED IMMEDIATELY UPON COMPLETION OF ROADWAY GRADING. THESE AREAS SHALL BE BLANKETED WHEREVER THEY ARE LOCATED WITHIN 50 FEET OF A SURFACE WATER OR WITHIN 100 FEET OF AN HQ OR EV SURFACE WATER OR WHERE A SUITABLE VEGETATIVE FILTER STRIP DOES NOT EXIST.

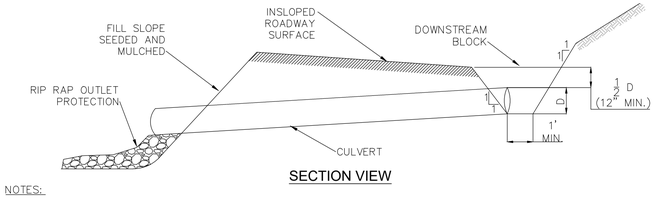
A TOP DRESSING COMPOSED OF HARD, DURABLE STONE SHALL BE PROVIDED FOR SOILS HAVING LOW STRENGTH.

ROADSIDE DITCHES SHALL BE PROVIDED WITH ADEQUATE PROTECTIVE LINING WHEREVER RUNOFF CANNOT SHEET FLOW AWAY FROM THE ROADWAY.

ADEQUATELY SIZED CULVERTS OR OTHER SUITABLE CROSS DRAINS SHALL BE PROVIDED AT ALL SEEPS, SPRINGS, AND DRAINAGE COURSES. DITCH RELIEF CULVERTS OR TURNOUTS SHALL BE PROVIDED AT THE INTERVALS INDICATED ON TABLE 3.3 OR TABLE 3.4 OF THE PA DEP EROSION CONTROL MANUAL FOR ROADSIDE DITCHES. RIPRAP OUTLET PROTECTION TO BE SIZED ACCORDING TO ANTICIPATED DISCHARGE VELOCITY.

ROADWAY SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED ROADWAYS, DITCHES, OR CROSS DRAINS SHALL BE REPAIRED IMMEDIATELY.

STANDARD CONSTRUCTION DETAIL #3-3
CROWNED ROADWAY
NOT TO SCALE



SECTION VIEW

NOTES:

CUT AND FILL SLOPES SHALL BE STABILIZED IMMEDIATELY UPON COMPLETION OF ROADWAY GRADING. THESE AREAS SHALL BE BLANKETED WHEREVER THEY ARE LOCATED WITHIN 50 FEET OF A SURFACE WATER OR WITHIN 100 FEET OF AN HQ OR EV SURFACE WATER OR WHERE A SUITABLE VEGETATIVE FILTER STRIP DOES NOT EXIST.

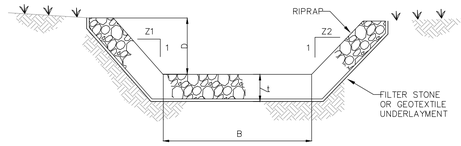
A TOP DRESSING COMPOSED OF HARD, DURABLE STONE SHALL BE PROVIDED FOR SOILS HAVING LOW STRENGTH.

ROADSIDE DITCHES SHALL BE PROVIDED WITH ADEQUATE PROTECTIVE LINING.

ADEQUATELY SIZED CULVERTS OR OTHER SUITABLE CROSS DRAINS SHALL BE PROVIDED AT ALL SEEPS, SPRINGS, AND DRAINAGE COURSES. DITCH RELIEF CULVERTS SHALL BE PROVIDED AT THE INTERVALS INDICATED ON TABLE 3.3 OR TABLE 3.4 OF THE PA DEP EROSION CONTROL MANUAL. RIPRAP OUTLET PROTECTION TO BE SIZED ACCORDING TO ANTICIPATED DISCHARGE VELOCITY.

ROADWAY SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED ROADWAYS, DITCHES, OR CROSS DRAINS SHALL BE REPAIRED IMMEDIATELY.

STANDARD CONSTRUCTION DETAIL #3-4
INSLOPED ROADWAY
NOT TO SCALE



CHANNEL CROSS-SECTION
(LOOKING DOWNSTREAM)

CHANNEL NO.	PERM OR TEMP	STATIONS	BOTTOM WIDTH B (FT)	DEPTH D (FT)	Z1 (FT)	Z2 (FT)	RIPRAP GRADATION (R-_)	RIPRAP DEPTH t (IN)	UNDERLAYMENT	UNDER-LAYMENT THICKNESS
D1	TEMP	ALL	2.5	1.50	2	2	4	18	AASHTO #3	4
D2	TEMP	ALL	2	1.50	2	2	6	36	AASHTO #1	6
C2	TEMP	0 TO 3+50	2	1.50	2	2	5	27	AASHTO #3	4
C2	TEMP	3+50 TO END	3.5	1.50	2	2	5	27	AASHTO #3	4
C1	PERM	0 TO 4+90	6	2.00	2	2	5	27	AASHTO #3	4
C1	PERM	4+90 TO 5+40	VARIES 6 TO 4	2.00	2	2	5	27	AASHTO #3	4
C1	PERM	5+40 TO END	4	2.00	2	2	5	27	AASHTO #3	4
C2	PERM	ALL	3.5	1.50	2	2	5	27	AASHTO #3	4
C3	PERM	ALL	5	1.50	2	2	5	27	AASHTO #3	4
C4	PERM	ALL	2	1.50	2	2	3	9	AASHTO #57	3

NOTES:

FILTER STONE UNDERLAYMENT FOR BED SLOPES ≥ 0.10 FT/FT (10 %) SHALL BE USED.

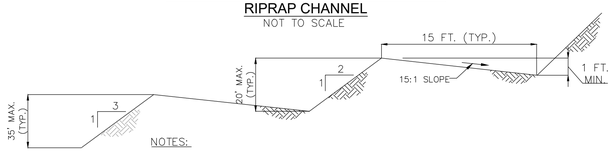
CHANNEL DIMENSIONS ARE FOR THE COMPLETED CHANNEL AFTER ROCK PLACEMENT. CHANNEL MUST BE OVER-EXCAVATED A SUFFICIENT AMOUNT TO ALLOW FOR THE VOLUME OF ROCK PLACED WITHIN THE CHANNEL WHILE PROVIDING THE SPECIFIED FINISHED DIMENSIONS.

CHANNEL DIMENSIONS SHALL BE CONSTANTLY MAINTAINED. CHANNEL SHALL BE CLEANED WHENEVER TOTAL CHANNEL DEPTH IS REDUCED BY 25% AT ANY LOCATION. SEDIMENT DEPOSITS SHALL BE REMOVED WITHIN 24 HOURS OF DISCOVERY OR AS SOON AS SOIL CONDITIONS PERMIT ACCESS TO CHANNEL WITHOUT FURTHER DAMAGE.

DAMAGED LINING SHALL BE REPAIRED OR REPLACED WITHIN 48 HOURS OF DISCOVERY.

THE MINIMUM ROCK THICKNESS (t) SHALL BE 1.5 TIMES THE MAX ROCK SIZE.

STANDARD CONSTRUCTION DETAIL #6-3
RIPRAP CHANNEL
NOT TO SCALE



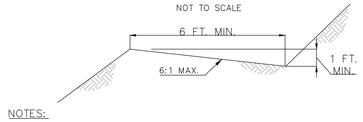
NOTES:

BENCHES SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT.

BENCHES SHALL BE MAINTAINED TO DESIGN DIMENSIONS AT ALL TIMES.

NEEDED REPAIRS SHALL BE INITIATED IMMEDIATELY AFTER THE INSPECTION.

BENCH DETAIL
NOT TO SCALE



NOTES:

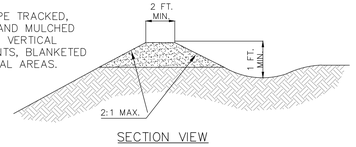
BENCHES SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT.

BENCHES SHALL BE MAINTAINED TO DESIGN DIMENSIONS AT ALL TIMES.

NEEDED REPAIRS SHALL BE INITIATED IMMEDIATELY AFTER THE INSPECTION.

STANDARD CONSTRUCTION DETAIL #6-6
BENCH DETAIL
NOT TO SCALE

FILL SLOPE TRACKED, SEEDED AND MULCHED IN 15 FT. VERTICAL INCREMENTS, BLANKETED IN CRITICAL AREAS.



SECTION VIEW

NOTES:

TEMPORARY BERMS SHALL BE PLACED, MAINTAINED, AND ADJUSTED CONTINUOUSLY UNTIL 90% VEGETATIVE GROWTH IS ESTABLISHED ON THE EXTERIOR SLOPES WITH PERMANENT STORM DRAINAGE FACILITIES FUNCTIONING.

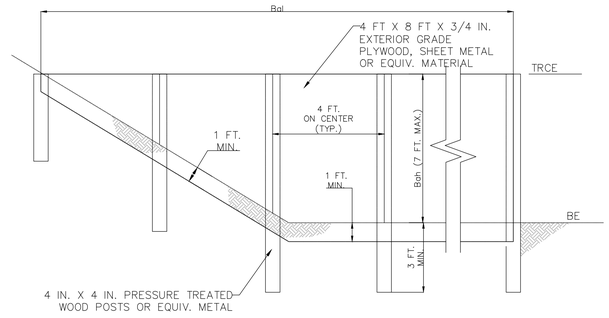
BERMS SHALL OUTLET TO SLOPE PIPES, CHANNELS, OR OTHER APPROVED MEANS OF CONVEYING RUNOFF TO A SEDIMENT TRAP, SEDIMENT BASIN, OR COLLECTOR CHANNEL.

CHANNEL BEHIND BERM SHALL HAVE POSITIVE GRADE TO OUTLET AND AN APPROPRIATE PROTECTIVE LINING.

BERM SHALL BE ADEQUATELY COMPACTED TO PREVENT FAILURE.

AN ACCEPTABLE ALTERNATIVE TO TOP-OF-SLOPE BERM IS TO CONTINUOUSLY GRADE THE TOP OF FILL TO DIRECT RUNOFF AWAY FROM THE FILLSLOPE TO A COLLECTOR CHANNEL, SEDIMENT TRAP, OR SEDIMENT BASIN.

STANDARD CONSTRUCTION DETAIL #6-4
TOP OF SLOPE BERM
NOT TO SCALE



BASIN OR TRAP NO.	BAFFLE		TEMPORARY RISER	BOTTOM
	LENGTH Bal (FT)	HEIGHT Bah (FT)	CREST ELEV. TRCE (FT)	BOTTOM ELEV BE (FT)
SB-1	115.0	7.0	864.5	855.0

NOTES:

SEE APPROPRIATE BASIN DETAIL FOR PROPER LOCATION AND ORIENTATION.

AN ACCEPTABLE ALTERNATIVE IS TO INSTALL A SUPER SILT FENCE AT THE BAFFLE LOCATION

IN POOLS WITH DEPTHS EXCEEDING 7', THE TOP OF THE PLYWOOD BAFFLE DOES NOT NEED TO EXTEND TO THE TEMPORARY RISER CREST. SUPER SILT FENCE BAFFLES NEED NOT EXTEND TO TRCE ELEVATION.

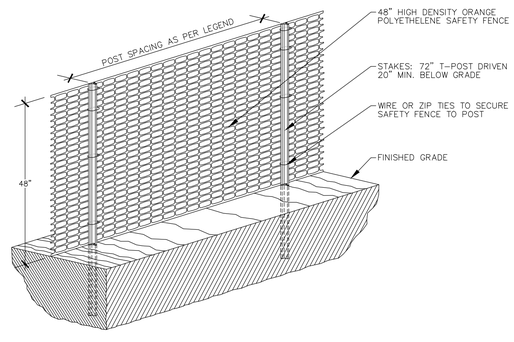
BAFFLES SHALL BE TIED INTO ONE SIDE OF THE BASIN UNLESS OTHERWISE SHOWN ON THE PLAN DRAWINGS.

SUBSTITUTION OF MATERIALS NOT SPECIFIED IN THIS DETAIL SHALL BE APPROVED BY THE DEPARTMENT OR THE LOCAL CONSERVATION DISTRICT BEFORE INSTALLATION.

DAMAGED OR WARPED BAFFLES SHALL BE REPLACED WITHIN 7 DAYS OF INSPECTION.

BAFFLES REQUIRING SUPPORT POSTS SHALL NOT BE INSTALLED IN BASINS REQUIRING IMPERVIOUS LINERS.

STANDARD CONSTRUCTION DETAIL #7-14
BAFFLE
NOT TO SCALE



NOTES:
1. ALL SENSITIVE AREAS SHALL BE PROTECTED AS PER PLAN.
2. SAFETY FENCE SHOULD BE FASTENED SECURELY TO THE T-POSTS. THE FENCING MUST REMAIN IN PLACE DURING ALL PHASES OF CONSTRUCTION; ANY CHANGE OF THE PROTECTIVE FENCING MUST BE APPROVED.
3. REFER TO EROSION RUNNER'S (OR EQUAL) SPECIFICATIONS FOR ORANGE PROTECTIVE/SAFETY FENCE INSTALLATION.

ORANGE PROTECTIVE/SAFETY FENCE
NOT TO SCALE

GENERAL NOTES:

PE SEAL:

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
MARTHA L. FRECH
ENGINEER
039026E

REVISIONS:
1. 3-20-2024 GENERAL REVISIONS.
2. 6-25-2025 GENERAL REVISIONS.
3. 1-20-2026 REMOVED BROAD BASED DIP AND VEGETATED CHANNEL DETAILS AND ADDED PROTECTIVE FENCE AND WATER BAR DETAILS.
4. 6-10-26 GENERAL REVISIONS.

PROJECT NAME AND LOCATION:

QUAKER VALLEY HIGH SCHOOL FACILITY
LEET TOWNSHIP, EDGEWORTH AND LEETSDALE BOROUGHS
ALLEGHENY COUNTY
PENNSYLVANIA

DRAWING TITLE:

EROSION AND SEDIMENT CONTROL DETAILS SHEET 3 OF 7

CLIENT:
QUAKER VALLEY SCHOOL DISTRICT
100 LEETSDALE
INDUSTRIAL DRIVE, SUITE B
LEETSDALE, PA 15056

STREAMLINE ENGINEERING INC.
110 ALLAN STREET
LOWER BURRELL, PA 15068
TELE: (724) 594-0326
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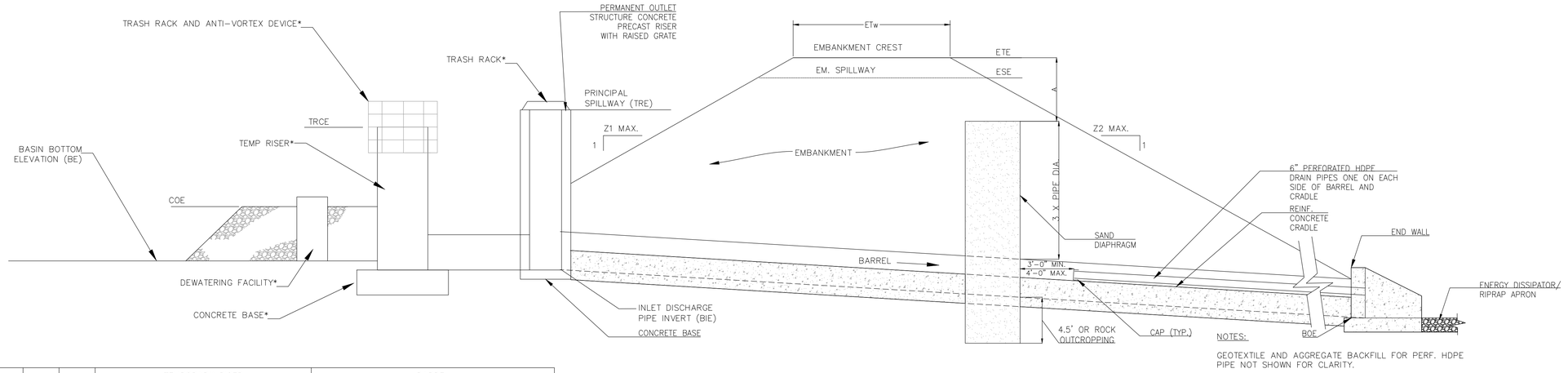
ISSUE DATE:	11-13-2023
PROJECT NUMBER:	21-109
DRAWING NUMBER:	ESC303
SCALE:	AS SHOWN
DRAWN BY: MLF	CHECKED BY: KLF



BASIN NO.	Z1 (FT)	Z2 (FT)	TEMPORARY RISER				BARREL				
			DIA TRd (IN)	CREST ELEV TRCE (FT)	MAT'L	PERM. RISER ELEV TRE (FT)	DIA Bd (IN)	INLET ELEV BIE (FT)	MAT'L	LENGTH Bl (FT)	OUTLET ELEV BOE (FT)
SB-1	3	3	48	864.5	CMP	866.6	24 & 36	854.0	HDPE	255.0	807.31

EMBANKMENT				CLEANOUT ELEV COE (FT)	BOTTOM ELEV BE (FT)
TOP ELEV ETE (FT)	TOP WIDTH ETw (FT)	KEY TRENCH DEPTH (FT)	KEY TRENCH WIDTH (FT)		
868.0	10	NA	NA	857.4	855.0

NOTES:

SEDIMENT BASINS, INCLUDING ALL APPURTENANT WORKS, SHALL BE CONSTRUCTED TO THE DETAIL AND DIMENSIONS SHOWN ON THE E&S PLAN DRAWINGS.

AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO A DEPTH OF TWO FEET PRIOR TO ANY PLACEMENT AND COMPACTION OF EARTHEN FILL. FILL MATERIAL FOR THE EMBANKMENTS SHALL BE FREE OF ROOTS, OR OTHER WOODY VEGETATION, ORGANIC MATERIAL, LARGE STONES, AND OTHER OBJECTIONABLE MATERIALS. THE EMBANKMENT SHALL BE COMPACTED IN LAYERED LIFTS OF NOT MORE THAN 6 TO 9 IN. THE MAXIMUM ROCK SIZE SHALL BE NO GREATER THAN 2/3 THE LIFT THICKNESS. UPON COMPLETION, THE EMBANKMENT SHALL BE SEEDED AND MULCHED OR OTHERWISE STABILIZED ACCORDING TO THE SPECIFICATIONS OF THE E&S PLAN DRAWINGS. TREES SHALL NOT BE PLANTED ON THE EMBANKMENT.

ALL SEDIMENT BASINS SHALL BE INSPECTED ON AT LEAST A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT.

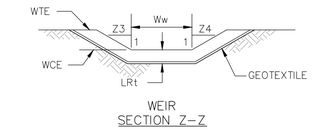
ACCESS FOR SEDIMENT REMOVAL AND OTHER REQUIRED MAINTENANCE ACTIVITIES SHALL BE PROVIDED.

A CLEAN OUT STAKE SHALL BE PLACED NEAR THE CENTER OF EACH BASIN. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT HAS REACHED THE CLEAN OUT ELEVATION ON THE STAKE AND THE BASIN RESTORED TO ITS ORIGINAL DIMENSIONS. DISPOSE OF MATERIALS REMOVED FROM THE BASIN IN THE MANNER DESCRIBED IN THE E&S PLAN.

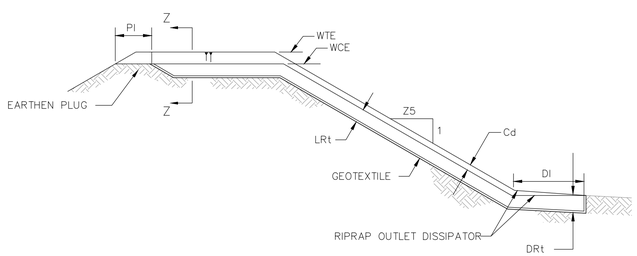
BASIN EMBANKMENTS, SPILLWAYS, AND OUTLETS SHALL BE CHECKED FOR EROSION, PIPING AND SETTLEMENT. NECESSARY REPAIRS SHALL BE MADE IMMEDIATELY. DISPLACED RIPRAP WITHIN THE OUTLET ENERGY DISSIPATER SHALL BE REPLACED IMMEDIATELY. ACCUMULATED SEDIMENT SHALL BE REMOVED AND DISTURBED AREAS INSIDE THE BASIN STABILIZED BEFORE CONVERSION TO A STORMWATER MANAGEMENT FACILITY. THE DEVICE SHOWN IN STANDARD CONSTRUCTION DETAIL #7-16 MAY BE USED TO DEWATER SATURATED SEDIMENT PRIOR TO ITS REMOVAL. ROCK FILTERS SHALL BE ADDED AS NECESSARY.

MODIFIED CONSTRUCTION DETAIL #7-8
SEDIMENT BASIN DETENTION POND EMBANKMENT AND SPILLWAY DETAILS

NOT TO SCALE



WEIR
SECTION Z-Z



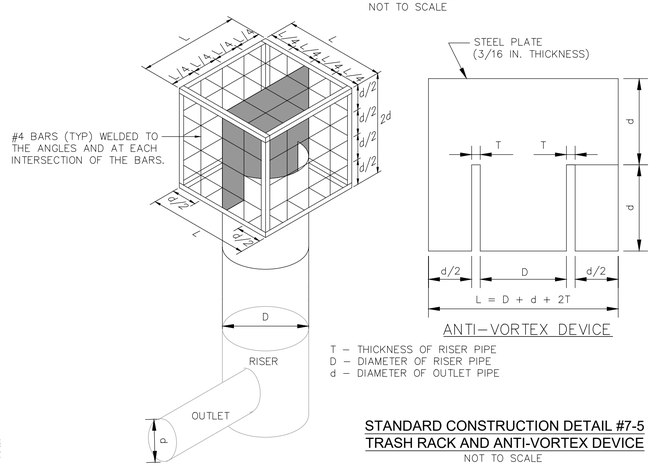
EMBANKMENT SECTION ALONG EMERGENCY SPILLWAY

BASIN NO.	WEIR					LINING	CHANNEL		DISSIPATOR				
	Z3 (FT)	Z4 (FT)	TOP ELEV WTE (FT)	CREST ELEV WCE (FT)	WIDTH Ww (FT)		Z5 (FT)	DEPTH Cd (FT)	LENGTH DI (FT)	WIDTH Dw (FT)	RIPRAP SIZE (R-_)	RIPRAP THICK. DRt (IN)
SB-1	3	3	868.0	866.6	50	NORTH AMERICAN GREEN SHOREMAX W/ S200 TURF REINFORCEMENT MAT	3	4	NA	NA	NA	NA

NOTES:
1. DIMENSION PI SHALL BE 5' MINIMUM.
2. EMERGENCY SPILLWAY DESIGNED PER LEET TOWNSHIP SWM ORDINANCE 2018-4

MODIFIED STANDARD CONSTRUCTION DETAIL #7-12
SEDIMENT BASIN EMERGENCY SPILLWAY

NOT TO SCALE

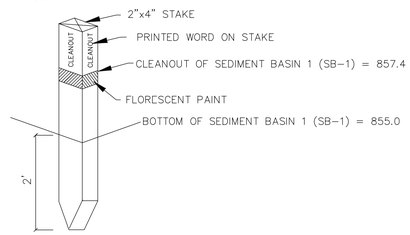


ANTI-VORTEX DEVICE

T - THICKNESS OF RISER PIPE
D - DIAMETER OF RISER PIPE
d - DIAMETER OF OUTLET PIPE

STANDARD CONSTRUCTION DETAIL #7-5
TRASH RACK AND ANTI-VORTEX DEVICE

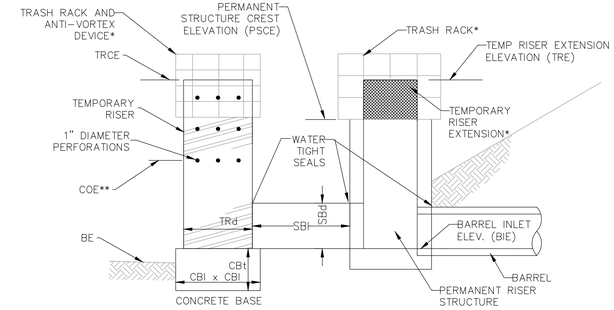
NOT TO SCALE



1. CLEANOUT STAKES MUST BE PLACED AT A HALF DISTANCE FROM CONCENTRATED INFLOWS TO TEMPORARY RISERS. WHEN SEDIMENT HAS ACCUMULATED TO CLEANOUT ELEVATION ON ANY STAKE, IT MUST BE REMOVED TO RESTORE BASIN CAPACITY.
2. CLEANOUT STAKES ARE NOT REQUIRED IF THE CLEANOUT ELEVATIO IS PAINTED ON THE SEDIMENT BAFFEL.

CLEANOUT STAKE DETAIL

NOT TO SCALE



*SEE STANDARD CONSTRUCTION DETAIL #7-5, TRASH RACK AND ANTI-VORTEX DEVICE AND STANDARD CONSTRUCTION DETAIL TOP OF TEMPORARY RISER EXTENSION (TRE) SHALL BE EQUAL TO OR ABOVE TEMPORARY RISER CREST ELEVATION (TRCE) AND 6 IN. MIN. BELOW CREST OF EMERGENCY SPILLWAY. REMOVE FLAT GRATE FROM PERMANENT RISER FOR AS LONG AS BASIN FUNCTIONS AS A SEDIMENT REMOVAL BMP.

** LOWEST ROW OF HOLES AT SEDIMENT CLEAN-OUT ELEVATION

BASIN NO.	TEMPORARY RISER			PERFORATIONS				CONCRETE BASE	
	DIA TRd (IN)	CREST ELEV TRCE (FT)	MAT'L	LOWEST ROW OF HOLES ELEV (FT)	NO. ROWS**	NO. HOLES PER ROW	VERT. SPACING OF ROWS (FT)	LENGTH AND WIDTH CBl (IN)	THICKNESS CBt (IN)
SB-1	48	864.5	CMP	857.5	4	4	2.0	60	24

BASIN NO.	TEMPORARY STUB				PERMANENT STRUCTURE			BARREL INLET ELEV BIE (FT)
	DIA SBd (IN)	INVERT ELEV SBIE (FT)	MAT'L	LENGTH SBl (FT)	CREST ELEV PSCE (FT)	CREST ELEV TRE (FT)	OUTLET ELEV PSOE (FT)	
SB-1	24	855	CMP	12	86	866.25	807.31	854.0

NOTES:

A MINIMUM OF 2-#8 REBAR SHALL BE PLACED AT RIGHT ANGLES AND PROJECTING THROUGH SIDES OF RISER TO ANCHOR IT TO CONCRETE BASE. REBAR SHALL PROJECT A MINIMUM OF 1/4 RISER DIAMETER BEYOND OUTSIDE OF RISER.

CONCRETE BASE SHALL BE POURED IN SUCH A MANNER SO AS TO INSURE THAT CONCRETE FILLS BOTTOM OF RISER TO INVERT OF THE OUTLET PIPE TO PREVENT RISER FROM BREAKING AWAY FROM THE BASE. MINIMUM BASE WIDTH EQUALS 2 TIMES RISER DIAMETER.

EMBEDDED SECTION OF ALUMINUM OR ALUMINIZED PIPE SHALL BE PAINTED WITH ZINC CHROMATE OR EQUIVALENT.

CLOGGED OR DAMAGED SPILLWAYS SHALL BE REPAIRED IMMEDIATELY. TRASH AND OTHER DEBRIS SHALL BE REMOVED FROM THE BASIN AND RISER.

STANDARD CONSTRUCTION DETAIL #7-9
SEDIMENT BASIN/DETENTION POND RISER STRUCTURES

NOT TO SCALE

GENERAL NOTES:

PE SEAL:

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
MARTHA L. FRECH
ENGINEER
039026E

REVISIONS:
1. 1-20-2026 REVISED DETAILS.
2. 6-10-2026 GENERAL REVISIONS.

PROJECT NAME AND LOCATION:

QUAKER VALLEY HIGH SCHOOL FACILITY
LEET TOWNSHIP, EDGEWORTH AND LEETSDALE BOROUGHS
ALLEGHENY COUNTY
PENNSYLVANIA

DRAWING TITLE:

EROSION AND SEDIMENT CONTROL DETAILS SHEET 4 OF 7

CLIENT:
QUAKER VALLEY SCHOOL DISTRICT
100 LEETSDALE
INDUSTRIAL DRIVE, SUITE B
LEETSDALE, PA 15056

STREAMLINE ENGINEERING INC.
110 ALLAN STREET
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ISSUE DATE:	6-25-2025
PROJECT NUMBER:	21-109
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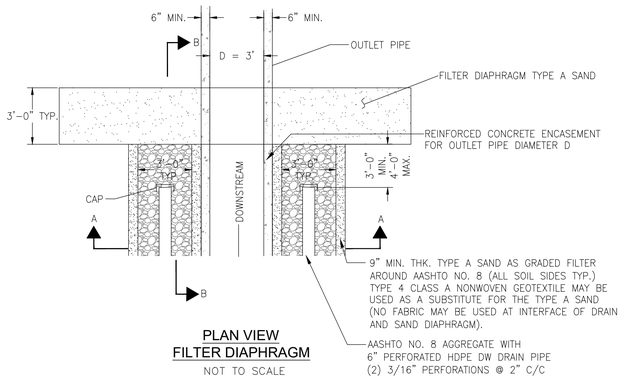
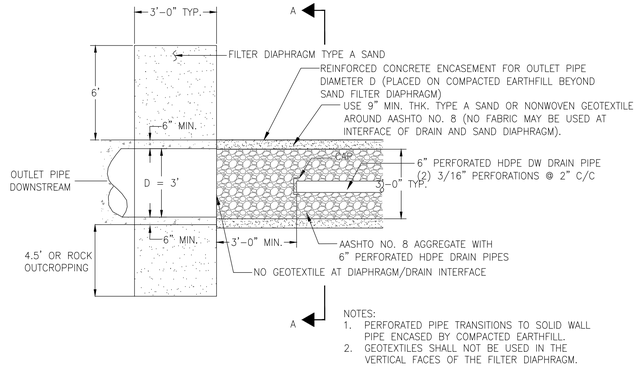
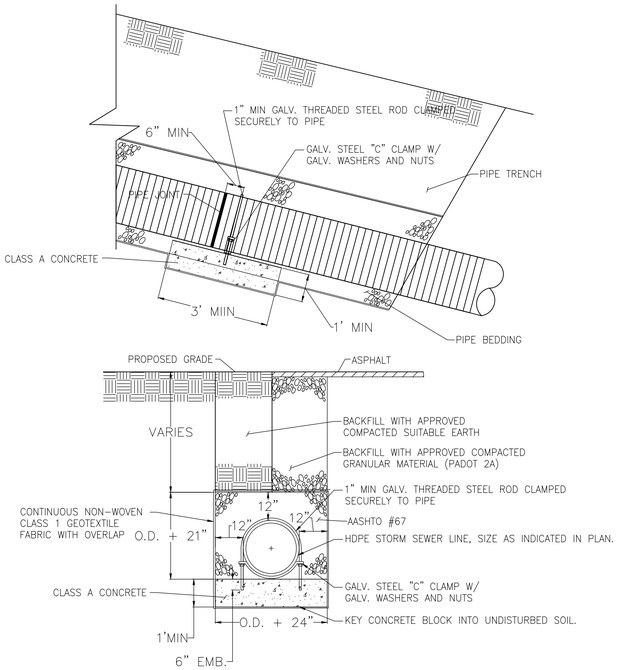
DRAWN BY: LDA	CHECKED BY: KLF



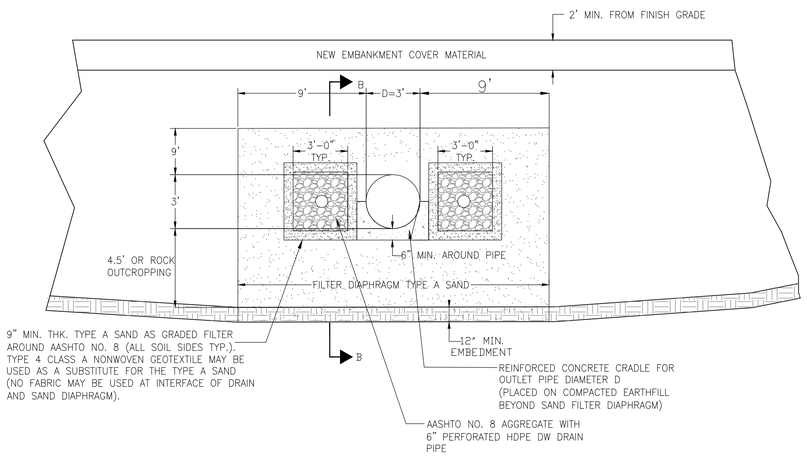
PLAN VIEW
FILTER DIAPHRAGM
NOT TO SCALE



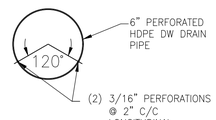
SECTION B-B
FILTER DIAPHRAGM PROFILE
NOT TO SCALE



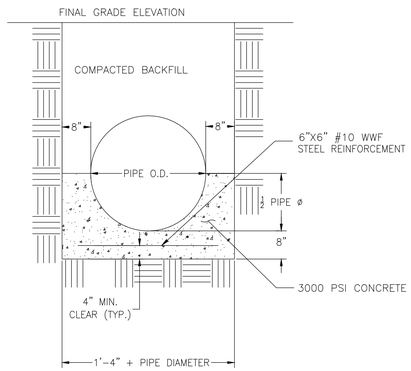
CONCRETE SLOPE ANCHOR DETAIL
NOT TO SCALE



SECTION A-A
FILTER DIAPHRAGM SECTION
NOT TO SCALE



DRAIN PIPE
NOT TO SCALE



CONCRETE CRADLE DETAIL
NOT TO SCALE

GENERAL NOTES:

PE SEAL:

REVISIONS:

PROJECT NAME AND LOCATION:

QUAKER VALLEY
HIGH SCHOOL FACILITY
LEET TOWNSHIP, EDGEWORTH
AND LEETSDALE BOROUGHS
ALLEGHENY COUNTY
PENNSYLVANIA

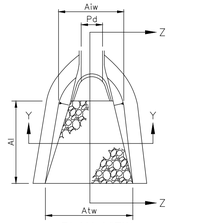
DRAWING TITLE:

EROSION AND SEDIMENT CONTROL DETAILS
SHEET 5 OF 7

CLIENT:
QUAKER VALLEY SCHOOL DISTRICT
100 LEETSDALE
INDUSTRIAL DRIVE, SUITE B
LEETSDALE, PA 15056

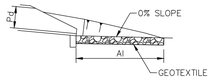
STREAMLINE ENGINEERING INC.
110 ALLAN STREET
LOWER BURRELL, PA 15068
TELE: (724) 594-0326
FAX: (724) 594-0328

ISSUE DATE:	6-10-2026
PROJECT NUMBER:	21-109
DRAWING NUMBER:	ESC305
SCALE:	AS SHOWN
DRAWN BY: LDA	CHECKED BY: KLF



PLAN VIEW

SECTION Y–Y



SECTION Z–Z

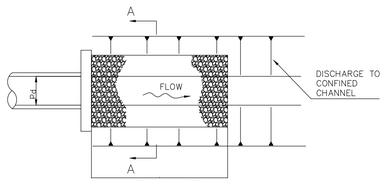
NOTES:

ALL APRONS SHALL BE CONSTRUCTED TO THE DIMENSIONS SHOWN. TERMINAL WIDTHS SHALL BE ADJUSTED AS NECESSARY TO MATCH RECEIVING CHANNELS.

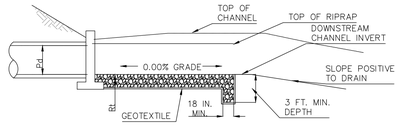
ALL APRONS SHALL BE INSPECTED AT LEAST WEEKLY AND AFTER EACH RUNOFF EVENT. DISPLACED RIPRAP WITHIN THE APRON SHALL BE REPLACED IMMEDIATELY.

STANDARD CONSTRUCTION DETAIL #9-1
RIPRAP APRON AT PIPE OUTLET
WITH FLARED END SECTION OR ENDWALL

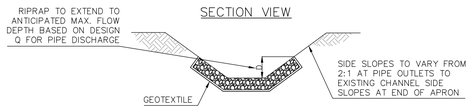
NOT TO SCALE



PLAN VIEW



SECTION VIEW



SECTION A–A

NOTES:

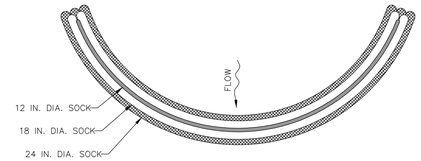
ALL APRONS SHALL BE CONSTRUCTED TO THE DIMENSIONS SHOWN. TERMINAL WIDTHS SHALL BE ADJUSTED AS NECESSARY TO MATCH RECEIVING CHANNELS.

ALL APRONS SHALL BE INSPECTED AT LEAST WEEKLY AND AFTER EACH RUNOFF EVENT. DISPLACED RIPRAP WITHIN THE APRON SHALL BE REPLACED IMMEDIATELY.

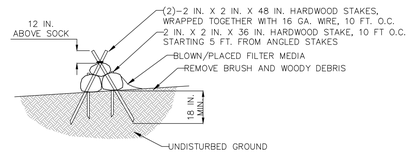
STANDARD CONSTRUCTION DETAIL #9-3
RIPRAP APRON AT PIPE OUTLET
TO AN EXISTING CHANNEL

NOT TO SCALE

RIPRAP APRON ID NUMBER	OUTLET NO.	PIPE DIA Pd (IN)	PIPE TYPE	RIPRAP		APRON				
				SIZE R–_	THICK. Rt (IN)	LENGTH Al (FT)	INITIAL WIDTH Aiw (FT)	TERMINAL WIDTH Atw (FT)	SIDE SLOPES H: V	APRON TYPE
RA–1	EW–36.0	36	HDPE	3	9	13	9	8	2	#9–3
RA–2	EW–34.0	24	HDPE	3	9	7	6	5	–	#9–1
RA–3	EW–12.0	36	HDPE	4	18	14	9	9	–	#9–1
RA–4	EW–13.0	15	HDPE	3	9	6	4.5	5	2	#9–3
RA–5	EW–2.0	36	HDPE	5	27	13	9	9	–	#9–1
RA–6	EW–1.0	36	HDPE	4	18	20	9	23	–	#9–1
RA–7	EW–5.0	24	HDPE	4	18	9	6	6	–	#9–1
RA–8	EW–9.0	24	HDPE	4	18	9	6	6	2	#9–3
RA–9	CULVERT 3	60	RCP	6	36	34	15	42	2	#9–3
RA–10	CULVERT 1	48	HDPE	6	36	26	12	17	2	#9–3
RA–11	CULVERT 2	48	HDPE	6	36	26	12	38	2	#9–3



PLAN VIEW



STAKING DETAIL

DESIGN NOTES:

1. COMPOST SOCK SEDIMENT TRAP SHALL BE SIZED TO PROVIDE 2000 CUBIC FEET OF STORAGE CAPACITY FOR EACH ACRE TRIBUTARY TO THE TRAP.
2. MINIMUM BASE WIDTH IS EQUAL TO THE HEIGHT.
3. SEDIMENT ACCUMULATION SHALL NOT EXCEED 1/3 THE TOTAL HEIGHT OF THE TRAP.
4. SOCKS SHALL BE OF LARGER DIAMETER AT THE BASE OF THE TRAP AND DECREASE IN DIAMETER FOR SUCCESSIVE LAYERS AS SHOWN ON THE PLAN VIEW.
5. ENDS OF THE TRAP SHALL BE A MINIMUM OF 1 FOOT HIGHER IN ELEVATION THAN THE MID–SECTION, WHICH SHALL BE LOCATED AT THE POINT OF DISCHARGE.

NOTES:

SOCK MATERIAL SHALL MEET THE STANDARDS OF TABLE 4.1 OF THE PA DEP EROSION CONTROL MANUAL. COMPOST SHALL MEET THE STANDARDS OF TABLE 4.2 OF THE PA DEP EROSION CONTROL MANUAL.

COMPOST SOCK SEDIMENT TRAPS SHALL NOT EXCEED THREE SOCKS IN HEIGHT AND SHALL BE STACKED IN PYRAMIDAL FORM AS SHOWN ABOVE. MINIMUM TRAP HEIGHT IS ONE 24" DIAMETER SOCK. ADDITIONAL STORAGE MAY BE PROVIDED BY MEANS OF AN EXCAVATED SUMP 12" DEEP EXTENDING 1 TO 3 FEET UPSLOPE OF THE SOCKS ALONG THE LOWER SIDE OF THE TRAP.

COMPOST SOCK SEDIMENT TRAPS SHALL PROVIDE 2,000 CUBIC FEET STORAGE CAPACITY WITH 12" FREEBOARD FOR EACH TRIBUTARY DRAINAGE ACRE. (SEE MANUFACTURER FOR ANTICIPATED SETTLEMENT.)

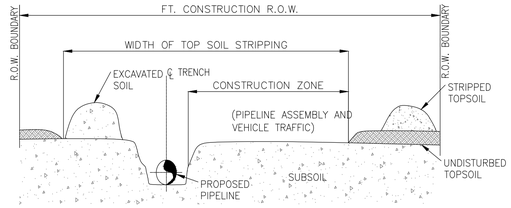
THE MAXIMUM TRIBUTARY DRAINAGE AREA IS 5.0 ACRES. SINCE COMPOST SOCKS ARE "FLOW–THROUGH," NO SPILLWAY IS REQUIRED.

COMPOST SOCK SEDIMENT TRAPS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/3 THE HEIGHT OF THE SOCKS.

PHOTODEGRADABLE AND BIODEGRADABLE SOCKS SHALL NOT BE USED FOR MORE THAN 1 YEAR.

STANDARD CONSTRUCTION DETAIL #3-11
COMPOST SOCK SEDIMENT TRAP

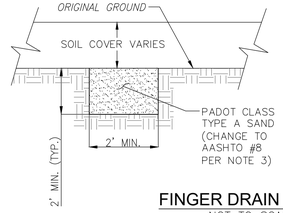
NOT TO SCALE



NOTES:
1. FULL RIGHT–OF–WAY TOPSOIL SEGREGATION AT LANDOWNERS REQUEST.
2. EXISTING PIPELINE (IF PRESENT) AND PROPOSED PIPELINE ARE TYPICALLY SPACED 14'–25' APART DEPENDING ON PIPE SIZE AND FIELD CONDITIONS.
3. ADDITIONAL INFORMATION INCLUDED ON OTHER DRAWINGS.

TRENCH DITCH AND TOPSOIL SEGREGATION

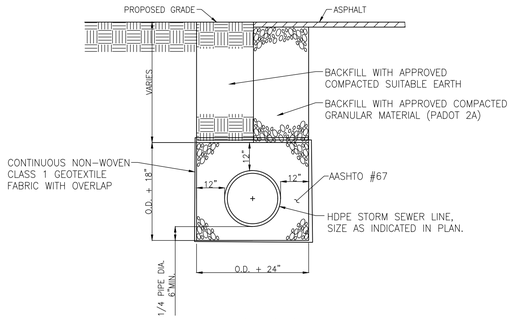
NOT TO SCALE



NOTES:
1. IN THE AREA WHERE A SPRING IS ENCOUNTERED LOCATE AND EXCAVATE 2' X 2' TRENCH TO ALLOW FOR POSITIVE DRAINAGE. BACKFILL WITH PADOT CLASS TYPE A SAND OR WHERE OTHERWISE NOTED.
2. COMPACT TYPE A SAND BY HAND TAMPER.
3. THE LAST THREE FEET OF THE DRAIN AT THE OUTSIDE/DOWNSTREAM SLOPE SHOULD BE CONSTRUCTED WITH AASHTO #8 MATERIAL.
4. NO GEOTEXTILES ARE TO BE USED.

FINGER DRAIN DETAIL

NOT TO SCALE



TYPICAL STORM SEWER TRENCH DETAIL

NOT TO SCALE

NOTE: PADOT 2A BACKFILL SHALL BE USED UNDER FUTURE, PROPOSED, EXISTING PAVEMENT AND WITHIN PUBLIC RIGHTS OF WAY.

GENERAL NOTES:

PE SEAL:

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
MARTHA L. FRECH
ENGINEER
039026E

REVISIONS:

PROJECT NAME AND LOCATION:

QUAKER VALLEY HIGH SCHOOL FACILITY
LEET TOWNSHIP, EDGEWORTH AND LEETSDALE BOROUGHS
ALLEGHENY COUNTY
PENNSYLVANIA

DRAWING TITLE:

EROSION AND SEDIMENT CONTROL DETAILS SHEET 6 OF 7

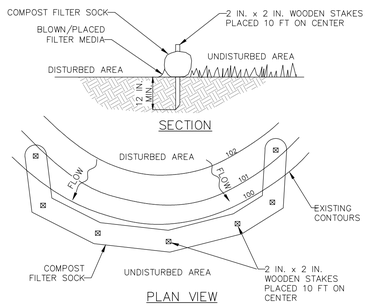
CLIENT:

QUAKER VALLEY SCHOOL DISTRICT
100 LEETSDALE INDUSTRIAL DRIVE, SUITE B
LEETSDALE, PA 15056

STREAMLINE ENGINEERING INC.

110 ALLAN STREET
LOWER BURRELL, PA 15068
TELE: (724) 594–0326
FAX: (724) 594–0328

ISSUE DATE:	6–10–2026
PROJECT NUMBER:	21–109
DRAWING NUMBER:	ESC306
SCALE:	AS SHOWN
DRAWN BY: LDA	CHECKED BY: KLF



NOTES:

SOCK FABRIC SHALL MEET STANDARDS OF TABLE 4.1 OF THE PA DEP EROSION CONTROL MANUAL. COMPOST SHALL MEET THE STANDARDS OF TABLE 4.2 OF THE PA DEP EROSION CONTROL MANUAL.

COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE BARRIER SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY BARRIER SHALL NOT EXCEED THAT SPECIFIED FOR THE SIZE OF THE SOCK AND THE SLOPE OF ITS TRIBUTARY AREA.

TRAFFIC SHALL NOT BE PERMITTED TO CROSS COMPOST FILTER SOCKS.

ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE BARRIER AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.

COMPOST FILTER SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.

BIODEGRADABLE COMPOST FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

STANDARD CONSTRUCTION DETAIL #4-1
COMPOST FILTER SOCK
NOT TO SCALE

TABLE 4.1 – COMPOST SOCK FABRIC MINIMUM SPECIFICATIONS

MATERIAL TYPE	3 MIL HDPE	5 MIL HDPE	5 MIL HDPE	MULTI–FILAMENT POLYPROPYLENE (MFPP)	HEAVY DUTY MULTI–FILAMENT POLYPROPYLENE (HDMFPP)
MATERIAL CHARACTERISTICS	PHOTO–DEGRADABLE	PHOTO–DEGRADABLE	BIO–DEGRADABLE	PHOTO–DEGRADABLE	PHOTO–DEGRADABLE
SOCK DIAMETERS	12",18"	12",18",24",32"	12",18",24",32"	12",18",24",32"	12",18",24",32"
MESH OPENING	3/8"	3/8"	3/8"	3/8"	1/8"
TENSILE STRENGTH		26 psi	26 psi	44 psi	202 psi
ULTRAVIOLET STABILTY % ORIGINAL STRENGTH (ASTM G–155)	23% AT 1000 HR.	23% AT 1000 HR.		100% AT 1000 HR.	100% AT 1000 HR.
MINIMUM FUNCTIONAL LONGEVITY	6 MONTHS	9 MONTHS	6 MONTHS	1 YEAR	2 YEARS
TWO–PLY SYSTEMS					
INNER CONTAINMENT NETTING	HDPE BIAXIAL NET				
	CONTINUOUSLY WOUND				
	FUSION–WELDED JUNCTURES				
	3/4" x 3/4" MAX. APERTURE SIZE				
OUTER FILTRATION MESH	COMPOSITE POLYPROPYLENE FABRIC (WOVEN LAYER AND NON–WOVEN FLEECE MECHANICALLY FUSED VIA NEEDLE PUNCH)				
	3/16" MAX. APERTURE SIZE				
SOCK FABRICS COMPOSED OF BURLAP MAY BE USED ON PROJECTS LASTING 6 MONTHS OR LESS.					

TABLE 4.2 – COMPOST STANDARDS

ORGANIC MATTER CONTENT	25% – 100% (DRY WEIGHT BASIS)
ORGANIC PORTION	FIBROUS AND ELONGATED
pH	5.5 – 8.5
MOISTURE CONTENT	30% – 60%
PARTICLE SIZE	30%–50% PASS THROUGH 3/8" SIEVE
SOLUBLE SALT CONCENTRATION	5.0 dS/m (mmhos/cm) MAXIMUM

Sock No.	Slope Segment	Diameter (In)	Location	Slope Percent	Slope Length
STAGE 1					
1-1	1-1.1	12.00	WORK TRAILER AREA	1	44
1-2	1-2.1	12.00	WORK TRAILER AREA	3	56
	1-2.2	12.00		5	54
1-3	1-3.1	12.00	HOUSE #2 TO BE RAZED	7	63
	1-3.2	12.00		2	126
1-4	1-4.1	12.00	HOUSE #1 TO BE RAZED	6	69.00
	1-4.2	12.00		44	18
1-5	1-5.1	32.00	HAUL ROAD #3	25	190.00
1-6	1-6.1	18.00	HAUL ROAD #3	40	60.00
1-7	1-7.1	12.00	HAUL ROAD #2	20	70.00
1-8	1-8.1	32.00	HAUL ROAD #2	38	133.00
STAGE 2					
2-1	2-1.1	32.00	SOIL STOCKPILE #3	42	64.00
2-2	2-2.1	32.00	SOIL STOCKPILE #3	41	79
2-3	2-3.1	32.00	TOPSOIL STOCKPILE	46	70
2-4	2-4.1	32.00	TOPSOIL STOCKPILE	47	64.00
2-5	2-5.1	32.00	TOPSOIL STOCKPILE	44	87
2-6	2-6.1	32.00	SOIL STOCKPILE #3	39	70
2-7	2-7.1	32.00	SOIL STOCKPILE #3	43	76
2-8	2-8.1	32.00	SOIL STOCKPILE #3	43	51
2-9	2-9.1	32.00	SOIL STOCKPILE #2	35	68
2-10	2-10.1	32.00	SOIL STOCKPILE #2	42	78
2-11	2-11.1	32.00	SOIL STOCKPILE #1	33	48
2-12	2-12.1	32.00	SOIL STOCKPILE #1	45	66

Sock No.	Slope Segment	Diameter (In)	Location	Slope Percent	Slope Length
STAGE 4					
4-1	4-1.1	32.00	SOUTH END OF SITE	4	54.00
	4-1.2	32.00		36	84
STAGE 5					
4-1	5-1.1	32.00	SOUTH END OF SITE	1	93.00
	5-1.2	32.00		2	101
	5-1.3	32.00		21	28
STAGE 4					
4-2	4-2.1	32.00	SOUTH END OF SITE	11	19
	4-2.2	32.00		22	126
STAGE 5					
4-2	5-2.1	32.00	SOUTH END OF SITE	2	170.00
	5-2.2	32.00		7	92
STAGE 4					
4-3	4-3.1	32.00	SOUTH END OF SITE	4	76
	4-3.2	32.00		15	80
	4-3.3	32.00		50	36
STAGE 5					
4-3	5-3.1	32.00	SOUTH END OF SITE	1	362
	5-3.2	32.00		27	15
STAGE 4					
4-4	4-4.1	32.00	SOUTH END OF SITE	11	28
	4-4.2	32.00		19	105
	4-4.3	32.00		26	39
STAGE 5					
4-4	5-4.1	32.00	SOUTH END OF SITE	2	317
	5-4.2	32.00		5	83
STAGE 4					
4-5	4-5.1	32.00	SOUTH END OF SITE	8	36
	4-5.2	32.00		22	138
STAGE 5					
4-5	5-5.1	32.00	SOUTH END OF SITE	2	305
	5-5.2	32.00		5	85
STAGE 4					
4-6	4-6.1	32.00	SOUTH END OF SITE	8	60
	4-6.2	32.00		18	193
STAGE 5					
4-6	5-6.1	32.00	SOUTH END OF SITE	44	16
	5-6.2	32.00		5	56
	5-6.3	32.00		2	242
	5-6.4	32.00		5	87
STAGE 4					
4-7	4-7.1	32.00	SOUTH END OF SITE	12	169
	4-7.2	32.00		15	150
STAGE 5					
4-7	5-7.1	32.00	SOUTH END OF SITE	17	23
	5-7.2	32.00		4	27
	5-7.3	32.00		2	214
	5-7.4	32.00		7	110
STAGE 4					
4-8	4-8.1	32.00	SOUTH END OF SITE	4	48
	4-8.2	32.00		26	152
STAGE 5					
4-8	5-8.1	32.00	SOUTH END OF SITE	1	67
	5-8.2	32.00		29	58
STAGE 4					
4-9	4-9.1	32.00	SOUTH END OF SITE	3	116
	4-9.2	32.00		22	136
STAGE 5					
4-9	5-9.1	32.00	SOUTH END OF SITE	1	76
	5-9.2	32.00		22	54
STAGE 4					
4-10	4-10.1	32.00	SOUTH END OF SITE	2	174
	4-10.2	32.00		20	171
STAGE 5					
4-10	5-10.1	32.00	SOUTH END OF SITE	8	37
	5-10.2	32.00		3	66
	5-10.3	32.00		17	72
STAGE 4					
4-11	4-11.1	32.00	SOUTH END OF SITE	5	66
	4-11.2	32.00		21	94
STAGE 4					
4-12	4-12.1	32.00	SOUTH END OF SITE	2	49
	4-12.2	32.00		21	153
	4-12.3	32.00		40	75
STAGE 5					
4-12	5-12.1	32.00	SOUTH END OF SITE	8	26
	5-12.2	32.00		5	59
	5-12.3	32.00		41	73
STAGE 4					
4-13	4-13.1	32.00	SOUTH END OF SITE	9	66
	4-13.2	32.00		20	30
	4-13.3	32.00		42	72
STAGE 5					
4-13	5-13.1	32.00	SOUTH END OF SITE	2	61
	5-13.2	32.00		21	39
	5-13.3	32.00		44	63
STAGE 4					
4-14	4-14.1	32.00	SOUTH END OF SITE	14	64
	4-14.2	32.00		41	63
STAGE 5					
4-14	5-14.1	32.00	SOUTH END OF SITE	14	63
	5-14.2	32.00		39	66
STAGE 4					
4-15	4-15.1	32.00	SOIL STOCKPILE #2	49	53
	4-15.2	32.00		13	45

Sock No.	Slope Segment	Diameter (In)	Location	Slope Percent	Slope Length
STAGE 6					
6-1	6-1.1	32.00	SOUTH END OF SITE	39	80.00
6-2	6-2.1	32.00	SOUTH END OF SITE	44	84.00
6-3	6-3.1	32.00	SOUTH END OF SITE	35	68.00
6-4	6-4.1	32.00	SOUTH END OF SITE	4	436.00
	6-4.2	32.00		34	47
6-5	6-5.1	32.00	SOUTH END OF SITE	4	368
	6-5.2	32.00		32	36
6-6	6-6.1	32.00	SOUTH END OF SITE	4	433
	6-6.2	32.00		31	54
6-7	6-7.1	32.00	SOUTH END OF SITE	6	312
	6-7.2	32.00		40	42
6-8	6-8.1	32.00	SOUTH END OF SITE	3	185
		32.00		32	93
6-9	6-9.1	32.00	SOUTH END OF SITE	30	74
6-10	6-10.1	32.00	SOUTH END OF SITE	37	57
6-11	6-11.1	32.00	SOUTH END OF SITE	1	90
	6-11.2	32.00		33	79
6-12	6-12.1	32.00	SOUTH END OF SITE	1	91
	6-12.2	32.00		24	85
	6-12.3	32.00		42	24
6-13	6-13.1	32.00	SOUTH END OF SITE	50	32
	6-13.2	32.00		1	163
	6-13.3	32.00		18	108
	6-13.4	32.00		44	27
6-14	6-14.1	32.00	SOUTH END OF SITE	50	32
	6-14.2	32.00		1	264
	6-14.3	32.00		30	67
6-15	6-15.1	32.00	SOUTH END OF SITE	2	58
	6-15.2	32.00		19	43
	6-15.3	32.00		44	59
STAGE 7					
7-1	7-1.1	32.00	SOUTH END OF SITE	44	34.00
7-2	7-2.1	32.00	SOUTH END OF SITE	41	61.00
7-3	7-2.1	32.00	SOUTH END OF SITE	39	62.00
7-4	7-4.1	32.00	SOUTH END OF SITE	40	40.00
	7-4.2	32.00		25	40.00
7-5	7-5.1	32.00	SOUTH END OF SITE	46	61.00
7-6	7-6.1	32.00	SOUTH END OF SITE	38	84.00
7-7	7-7.1	32.00	SOUTH END OF SITE	42	71
STAGE 8					
8-1	8-1.1	12.00	SOUTH END OF SITE	5	137.00
8-2	8-2.1	12.00	SOUTH END OF SITE	13	85.00
8-3	8-3.1	24.00	SOUTH END OF SITE	5	112.00
	8-3.2	24.00		28	58.00
8-4	8-4.1	24.00	SOUTH END OF SITE	7	76.00
	8-4.2	24.00		31	64.00
8-5	8-5.1	24.00	SOUTH END OF SITE	11	36.00
	8-5.2	24.00		39	62
8-6	8-6.1	24.00	SOUTH END OF SITE	10	50.00
	8-6.2	24.00		41	59
8-7	8-7.1	24.00	SOUTH END OF SITE	13	32
	8-7.2	24.00		35	23
	8-7.3	24.00		47	17
8-8	8-8.1	24.00	SOUTH END OF SITE	35	71

GENERAL NOTES:

PE SEAL:

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
MARTHA L. FRECH
ENGINEER
039026E

REVISIONS:

PROJECT NAME AND LOCATION:

QUAKER VALLEY HIGH SCHOOL FACILITY
LEET TOWNSHIP, EDGEWORTH AND LEETSDALE BOROUGHS
ALLEGHENY COUNTY
PENNSYLVANIA

DRAWING TITLE:

EROSION AND SEDIMENT CONTROL DETAILS
SHEET 7 OF 7

CLIENT:
QUAKER VALLEY SCHOOL DISTRICT
100 LEETSDALE
INDUSTRIAL DRIVE, SUITE B
LEETSDALE, PA 15056

STREAMLINE ENGINEERING INC.
110 ALLAN STREET
LOWER BURRELL, PA 15068
TELE: (724) 594–0326
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DRAWN BY: MLF	CHECKED BY: KLF