

EROSION AND SEDIMENT CONTROL NOTES

Temporary Erosion Control:

Measure	Dates for Use	Timing, Activity, and Location
Stabilization Barrier	All	Timing: Install and distribute final quantity of grass to be distributed and ground material stoppage.
Up-slope Diversion	All	Before soil disturbance, install up-slope of areas to be disturbed and/or exposed.
Dust Control	All	Control dust: water, apply water and calcium chloride to control dust.
Temporary Seeding	April 15 to Oct. 1	Soil stoppages that are not covered and disturbed areas that provide less than 95% soil coverage by Nov. 1, apply mulch and/or water with seeding or hydroseeding applied before Nov. 1.
Mulch	April 15 to Sept. 15	On all areas of exposed soil that are not temporarily seeded or that will not be distributed again within 7 days, apply 150 lbs./1000 sq. ft. of mulch (2 bags) per 1,000 sq. ft. within the 21 day period.
Winter Mulch	Sept. 18 to Oct. 31	On all areas of exposed soil that are not temporarily seeded or that will not be distributed again within 7 days, apply 150 lbs./1000 sq. ft. of mulch (2 bags) per 1,000 sq. ft. within the 21 day period.
Inspections	Nov. 1 to April 14	On all areas of exposed soil that are not temporarily seeded or that will not be distributed again within 7 days, apply 150 lbs./1000 sq. ft. of mulch (2 bags) per 1,000 sq. ft. within the 21 day period.

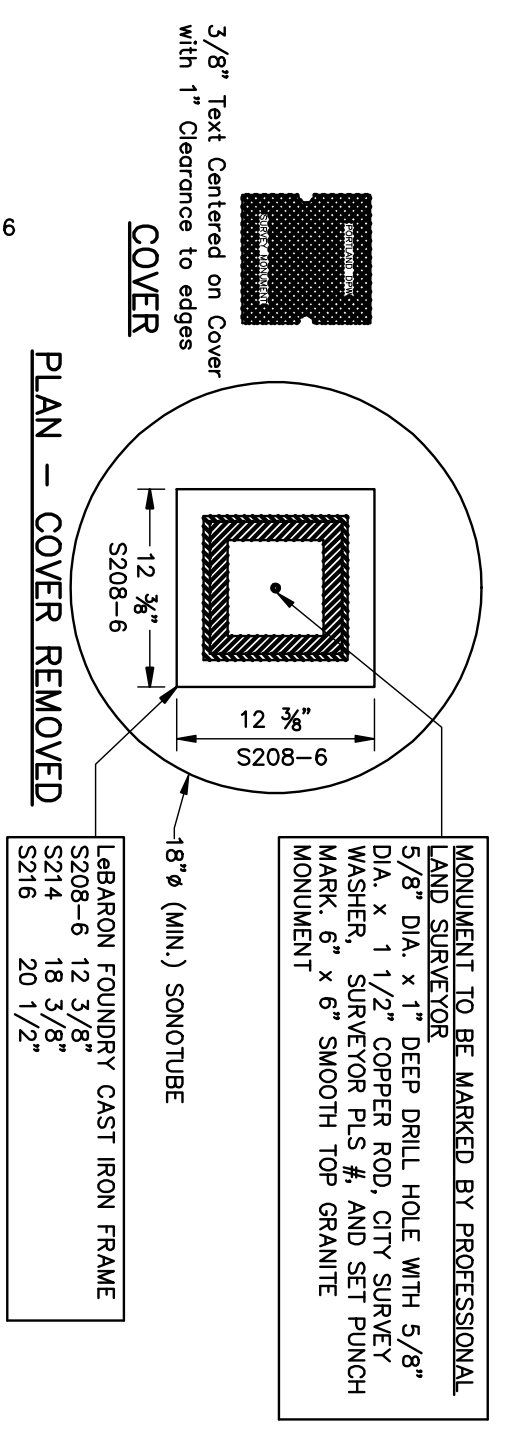
Permanent Erosion Control:

Measure	Dates for Use	Timing, Activity, and Location
Permanent - Base Course	When no final pavement base is in ground	Install only to areas above or the same, always after final near completion of project.
Permanent Seeding	April 15 to Sept. 15	On final grade areas, with prepared seed, apply seed with an application of water mulch and follow with an application of water mulch.
Ground Cover, Trees, Shrubs	April 15 to Nov. 1	Install with final landscaping.
Permanent Mulch	All	Install with final landscaping.

Inspections:

Regular inspections of all erosion and sedimentation controls shall be made at least weekly and prior to and following storm events. Minimum inspections shall be made as listed in the table below.

Inspected Item	Look for
Mulched Surfaces	Thin mulch or inadequate application.
Seeded Surfaces	Food and germination.
Sediment Barrier	Loss of mulch, rindles.
Perimeter Diversion	Sediment building up to one half the height of the barrier.
Mat Protection	Undermining of the barrier.
Dewatering Filter	Breaks in fabric or voids in barrier.
Construction Entrance	Breaks in fabric or supporting structure.

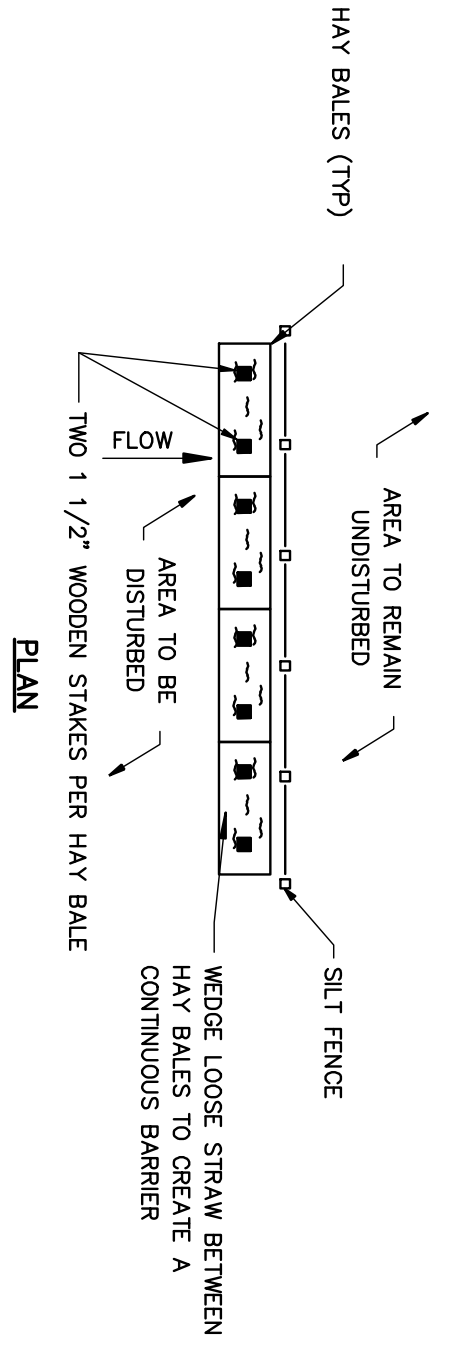
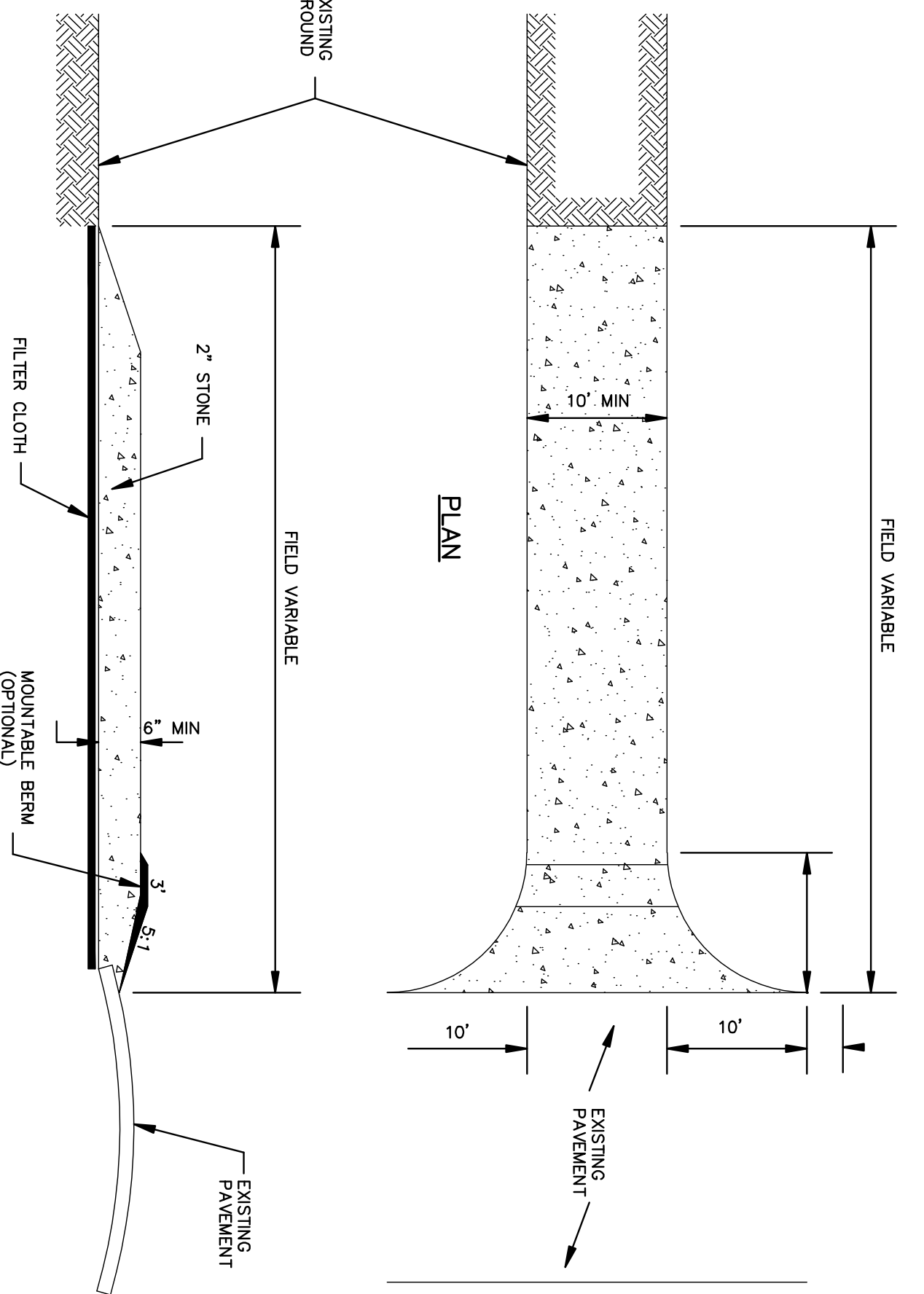


GRANITE STREET MONUMENT
 NOTE: APPROPRIATE TYPES PER MDOT SECTION 30A.02

ALL MONUMENTS SHALL BE A HARD AND DURABLE MATERIAL WITH A SMOOTH SURFACE APPEARANCE. MONUMENTS SHALL BE MAINTAINED IN A CONDITION TO PREVENT TRIPPING OR SWAYING EQUIPMENT. PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANOUT OF SPALLS AND CRACKS SHALL BE REQUIRED. ALL MONUMENTS SHALL BE MAINTAINED IN A CONDITION TO PREVENT TRIPPING OR SWAYING EQUIPMENT. PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANOUT OF SPALLS AND CRACKS SHALL BE REQUIRED. ALL MONUMENTS SHALL BE MAINTAINED IN A CONDITION TO PREVENT TRIPPING OR SWAYING EQUIPMENT. PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANOUT OF SPALLS AND CRACKS SHALL BE REQUIRED.

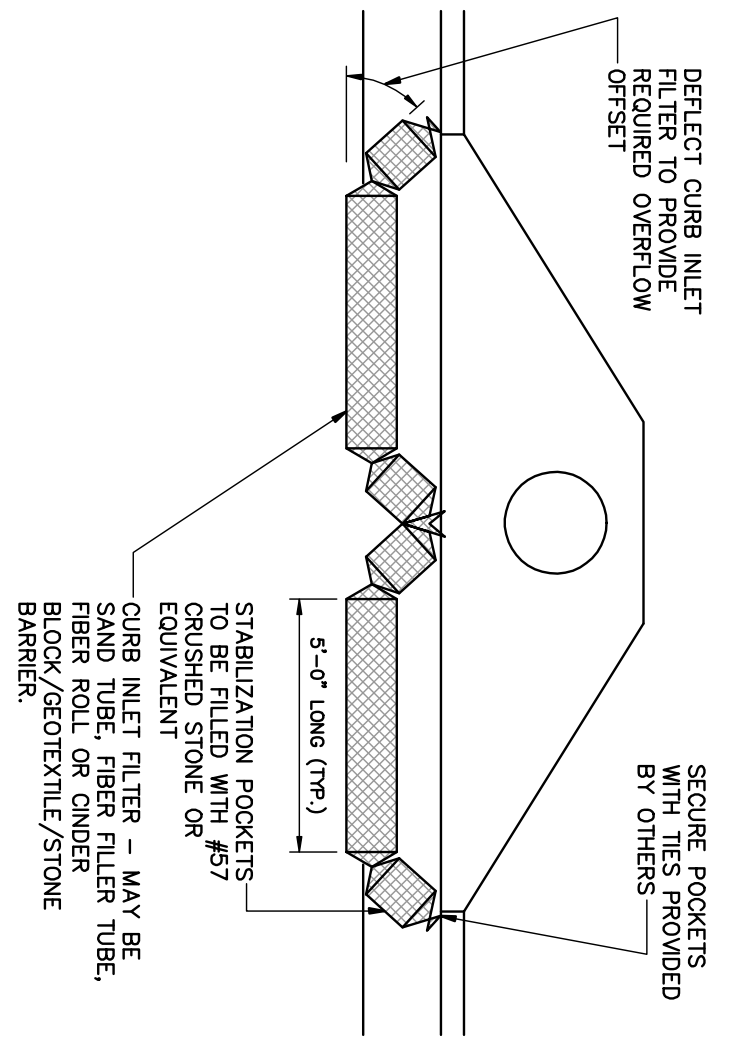
- CONSTRUCTION SPECIFICATIONS:**
- USE 2" DIAMETER STONE OR RECLAIMED/RECYCLED CONCRETE EQUIVALENT.
 - RECOMMENDED LENGTH GREATER THAN 50 FEET WHERE PRACTICAL.
 - THICKNESS NOT LESS THAN 6 INCHES.
 - 10 FOOT MINIMUM WIDTH, BUT NOT LESS THAN FULL WIDTH AT POINTS WHERE INGRESS AND EGRESS OCCUR.
 - FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
 - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD THE ENTRANCE, IF PAVING IS IMPRACTICAL, A MOUNTABLE BEAM WILL BE PERMITTED.
 - ENTRANCE SHALL BE MAINTAINED IN A CONDITION TO PREVENT TRIPPING OR SWAYING EQUIPMENT. PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANOUT OF SPALLS AND CRACKS SHALL BE REQUIRED.
 - PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED BY THE CONTRACTOR.
 - REMOVE STABILIZED CONSTRUCTION ENTRANCE PRIOR TO PLACEMENT OF PERMANENT CONCRETE PAVEMENT.

STABILIZED CONSTRUCTION ENTRANCE
 N.T.S.



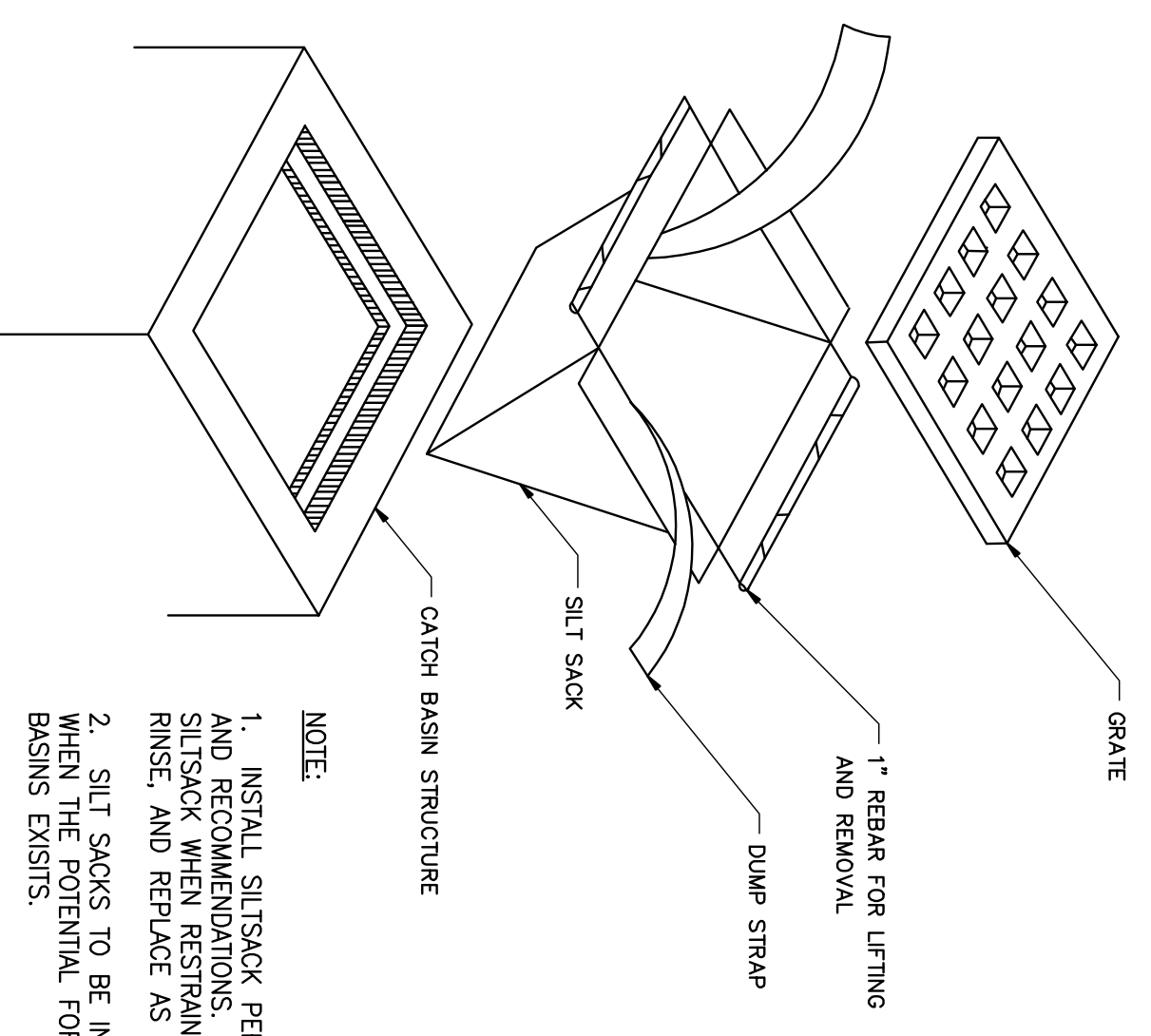
HAYBALE AND SILT FENCE DETAIL
 N.T.S.

CURB INLET BARRIER DETAIL
 N.T.S.



- NOTES:**
- EACH END OF THE BARRIER SHALL BE SECURELY ANCHORED TO KEEP WATER FORCES FROM WORKING THE BARRIER.
 - PLACE THE CURB INLET FILTER(S) IN FRONT OF THE CURB INLET OR OPENING TO PREVENT THE MISROUTING OF SILT INTO THE STORM DRAIN.
 - INSTALLATION PROCEDURES AND SAFETY CONSIDERATIONS CAN VARY WITH SITE CONDITIONS.
- MAINTENANCE, INSPECT FOR BREACHES IN THE BARRIER AND REPAIR. REGULARLY REMOVE AND DISPOSE OF ACCUMULATED SEDIMENT. REMOVAL, CURB INLET BARRIERS SHALL BE REMOVED WHEN UP-SLOPE AREAS ARE PERMANENTLY STABILIZED.

SILTSACK INLET DETAIL
 N.T.S.



- NOTE:**
- INSTALL SILTSACK PER MANUFACTURER'S INSTRUCTIONS. REMOVE SILTSACK WHEN RESTRAINT CORD IS NO LONGER VISIBLE. CLEAN, RINSE, AND REPLACE AS NEEDED.
 - SILT SACKS TO BE INSTALLED DURING CONSTRUCTION OPERATIONS WHEN THE POTENTIAL FOR SEDIMENT TO ENTER EXISTING & PROPOSED BASINS EXISTS.