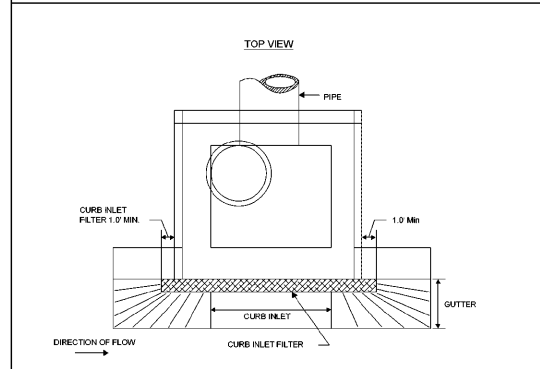


DOWNSPOUT BOOT DETAIL
N.T.S.



TYPE E - SURFACE COURSE CURB INLET FILTERS
N.T.S.

MATERIALS
ONLY USE SURFACE COURSE INLET FILTERS THAT HAVE A MINIMUM HEIGHT OR DIAMETER OF 6 INCHES AND HAVE A MINIMUM LENGTH THAT IS 2 FEET LONGER THAN THE LENGTH OF THE CURB OPENING. SURFACE COURSE INLET FILTERS ARE NOT DESIGNED TO COMPLETELY BLOCK THE INLET OPENING.

SURFACE COURSE INLET FILTERS ARE CONSTRUCTED WITH A SYNTHETIC MATERIAL THAT WILL ALLOW STORM WATER TO FREELY FLOW THROUGH WHILE TRAPPING SEDIMENT AND DEBRIS. THE GEOTEXTILE IS NON-Biodegradable AND RESISTANT TO DEGRADATION BY ULTRAVIOLET EXPOSURE AND RESISTANT TO CONTAMINANTS COMMONLY ENCOUNTERED IN STORM WATER. STRAW, STRAW FIBER, STRAW BALES, PINE NEEDLES AND LEAF MULCH ARE NOT PERMISSIBLE FILTER MATERIALS.

SURFACE COURSE INLET FILTERS HAVE AGGREGATE COMPARTMENTS FOR STONE, SAND OR OTHER WEIGHTED MATERIALS OR MECHANISMS TO HOLD THE UNIT IN PLACE.

USE FILTER FABRIC THAT IS CAPABLE OF REDUCING EFFLUENT SEDIMENT CONCENTRATIONS BY NO LESS THAN 80% UNDER TYPICAL SEDIMENT MIGRATION CONDITIONS.

APPLICABLE TYPE E INLET FILTERS MAY BE SELECTED FROM THE SCOD APPROVED PRODUCTS LIST.

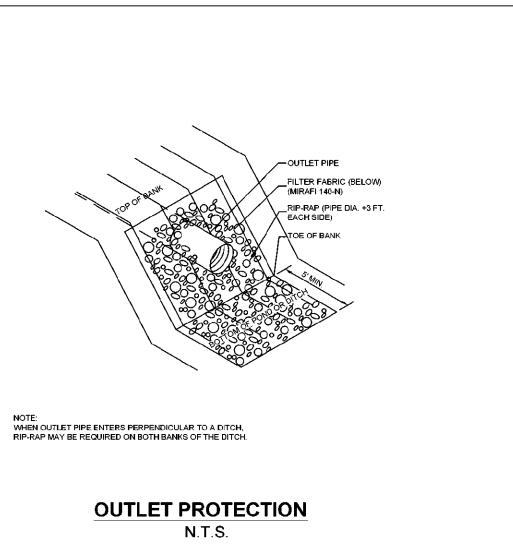
INSTALLATION:
SURFACE COURSE INLET FILTERS ARE APPLICABLE FOR ROAD CATCH BASIN AFTER THE ROAD SURFACE COURSE IS PLACED. PLACE SURFACE COURSE INLET FILTERS WHERE SEDIMENT MAY SPILL OVER SIDEWALKS AND CURBS.

INSTALL SURFACE COURSE INLET FILTERS IN FRONT OF CURB INLET OPENINGS. THE FILTER SHALL HAVE A MINIMUM HEIGHT OR DIAMETER OF 6 INCHES AND HAVE A MINIMUM LENGTH THAT IS 2 FEET LONGER THAN THE LENGTH OF THE CURB OPENING. THIS WILL ALLOW SUFFICIENT LENGTH TO COVER THE INLET WITH AT LEAST 1 FOOT OF CLEARANCE BEYOND THE INLET ON BOTH ENDS.

DO NOT COMPLETELY BLOCK THE INLET OPENING WITH SURFACE COURSE INLET FILTERS. INSTALL SURFACE COURSE INLET FILTERS IN A MANNER THAT PREVENTS OVERFLOWS TO ENTER THE CATCH BASIN.
FILL THE SURFACE COURSE INLET FILTER TO THE LEVEL (AT LEAST 1/2 FULL) THAT WILL KEEP THE SURFACE COURSE INLET FILTER IN PLACE. PROVIDE A SEAL BETWEEN THE SURFACE COURSE INLET FILTER AND THE ROAD SURF.

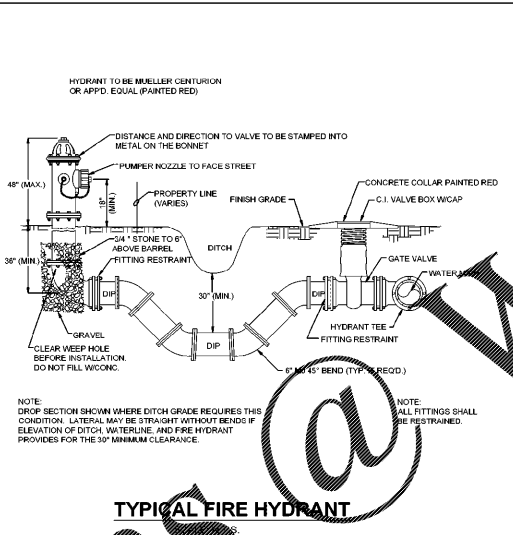
INSPECTION AND MAINTENANCE:
POURING IS LIKELY IF SEDIMENT IS NOT REMOVED REGULARLY.
INSPECT SURFACE COURSE CURB INLET FILTERS ON A REGULAR BASIS AND IMMEDIATELY AFTER EACH RAIN EVENT.
CLEAN SURFACE COURSE CURB INLET FILTER IF A VISUAL INSPECTION SHOWS SILT AND DEBRIS BUILDUP AROUND THE FILTER.

TYPE E - SURFACE COURSE CURB INLET FILTERS
N.T.S.



OUTLET PROTECTION
N.T.S.

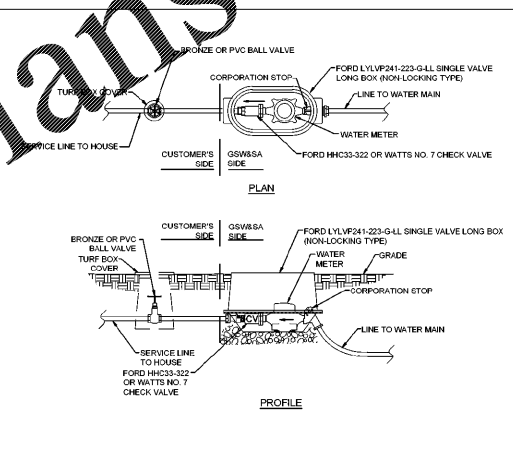
NOTE: WHEN OUTLET PIPE ENTERS PERPENDICULAR TO A DITCH, RIP-RAP MAY BE REQUIRED ON BOTH BANKS OF THE DITCH.



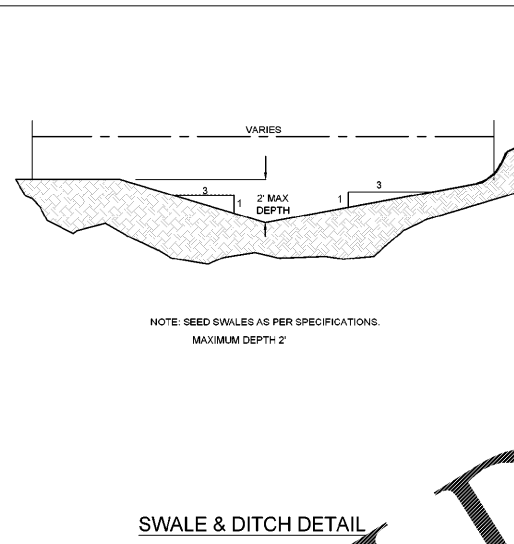
TYPICAL FIRE HYDRANT

NOTE: DROP SECTION SHOWN WHERE DITCH GRADE REQUIRES THIS CONDITION. LATERALS MAY BE STRAIGHT WITHOUT REGARD TO ELEVATION OF DITCH, WATERLINE, AND FIRE HYDRANT PROVIDES FOR THE 30\"/>

NOTE: ALL FITTINGS SHALL BE RESTRAINED.

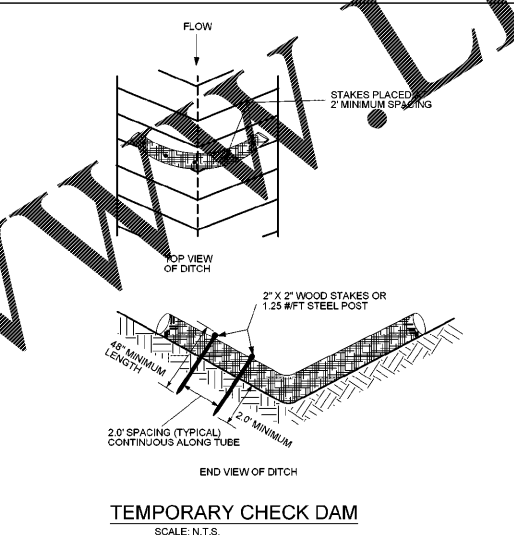


TYPICAL METER BOX 1
SCALE: N.T.S.

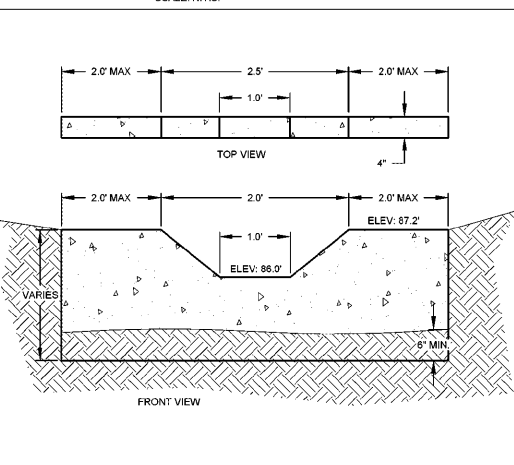


SWALE & DITCH DETAIL

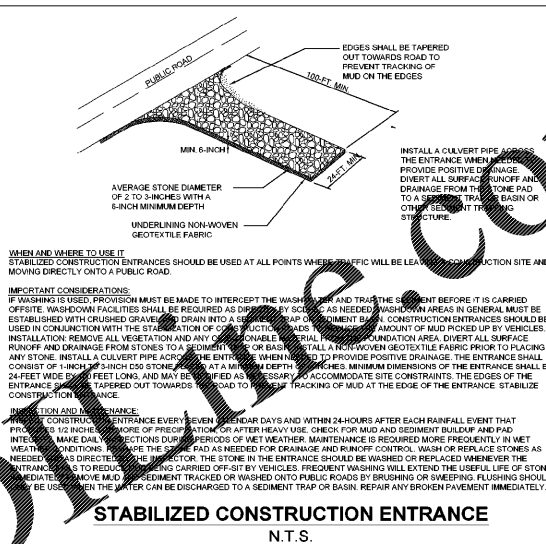
NOTE: SEED SWALES AS PER SPECIFICATIONS. MAXIMUM DEPTH 2'



TEMPORARY CHECK DAM
SCALE: N.T.S.



CONCRETE OUTFALL WEIR DETAIL
N.T.S.

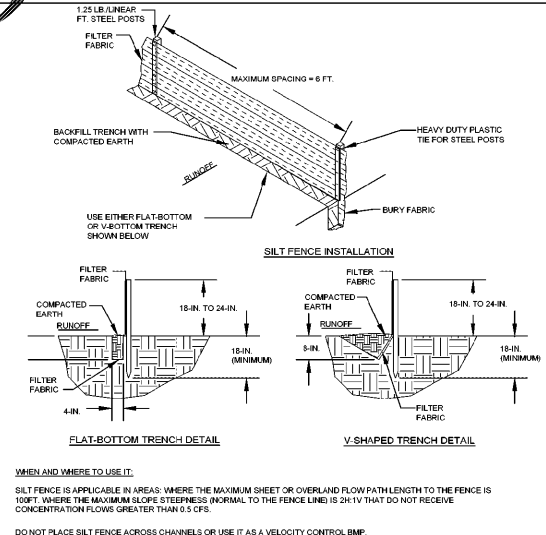


STABILIZED CONSTRUCTION ENTRANCE
N.T.S.

WHEN AND WHERE TO USE IT:
STABILIZED CONSTRUCTION ENTRANCES SHOULD BE USED AT ALL POINTS WHERE TRAFFIC WILL BE LEAVING A CONSTRUCTION SITE AND MOVING DIRECTLY ONTO A PUBLIC ROAD.

IMPORTANT CONSIDERATIONS:
IF WASHING IS USED, PROVISION MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFFSITE. WASHROOM FACILITIES SHALL BE REQUIRED AS DESCRIBED IN SCOD. AS NEEDED, WASHING AREAS IN GENERAL MUST BE ESTABLISHED WITH CRUSHED GRAVEL AND DRAIN INTO A SEDIMENT TRAP OR SEDIMENT BASIN. CONSTRUCTION ENTRANCES SHOULD BE ESTABLISHED IN CONJUNCTION WITH THE STABILIZATION OF ROADWAYS. TRAP OR SEDIMENT BASIN SHOULD BE LOCATED UPDRIVE OF VEHICLES. INSTALLATION REMOVE ALL VEGETATION AND ANY OTHER OBSTACLES FROM THE FOUNDATION AREA. DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM STONES TO A SEDIMENT TRAP OR SEDIMENT BASIN. INSTALL A NON-WOVEN GEOTEXTILE FABRIC PRIOR TO PLACING ANY STONE. INSTALL A CULVERT PIPE ACROSS THE ENTRANCE WHEN NEEDED TO PROVIDE POSITIVE DRAINAGE. THE ENTRANCE SHALL CONSIST OF 1-1/2\"/>

INSPECTION AND MAINTENANCE:
INSPECT CONSTRUCTION ENTRANCE EVERY SEVEN (7) CLEARENCE DAYS AND WITHIN 24 HOURS AFTER EACH RAINFALL EVENT THAT PRODUCES 1/2\"/>



SILT FENCE DETAIL
N.T.S.

WHEN AND WHERE TO USE IT:
SILT FENCE IS APPLICABLE IN AREAS WHERE THE MAXIMUM SHEET OR OVERLAND FLOW PATH LENGTH TO THE FENCE IS 100 FT. WHERE THE MAXIMUM SLOPE STEEPNESS (NORMAL TO THE FENCE LINE) IS 2H:1V THAT DO NOT RECEIVE CONCENTRATION FLOWS GREATER THAN 0.5 CFS.

DO NOT PLACE SILT FENCE ACROSS CHANNELS OR USE IT AS A VELOCITY CONTROL BMP.

MATERIALS
STEEL POSTS USE 48 INCH LONG STEEL POSTS THAT MEET THE FOLLOWING MINIMUM PHYSICAL REQUIREMENTS COMPOSED OF HIGH STRENGTH STEEL WITH A MINIMUM YIELD STRENGTH OF 50,000 PSI: HAVE A STANDARD T SECTION WITH A NOMINAL FACE WIDTH OF 1.38 INCHES AND A NOMINAL T LENGTH OF 1.48 INCHES WITH 1.25 POUNDS PER FOOT (± 8%) HAVE A SOIL STABILIZATION PLATE WITH A MINIMUM CROSS SECTION AREA OF 17-SQUARE INCHES TO THE STEEL POSTS. PAINTED WITH A WATER BASED EPOXY PAINT. USE STEEL POSTS WITH A MINIMUM LENGTH OF 4 FEET. WEIGHING 1.25 POUNDS PER LINEAL FOOT WITH PROJECTIONS TO AID IN FASTENING THE FABRIC. EXCEPT WHEN HEAVY CLAY SOILS ARE PRESENT ON SITE, STEEL POSTS WILL HAVE A METAL SOIL STABILIZATION PLATE WELDED NEAR THE BOTTOM SUCH THAT WHEN THE POST IS DRIVEN TO THE PROPER DEPTH, THE PLATE WILL BE BELOW THE GROUND LEVEL FOR ADDED STABILITY. THE SOIL PLATES SHOULD HAVE THE FOLLOWING CHARACTERISTICS: BE COMPOSED OF MINIMUM 15 GAUGE STEEL. HAVE A MINIMUM CROSS SECTION AREA OF 17-SQUARE INCHES.

GEOTEXTILE FILTER FABRIC
FILTER FABRIC IS COMPOSED OF FIBERS CONSISTING OF LONG CHAIN SYNTHETIC POLYMERS COMPOSED OF AT LEAST 85% BY WEIGHT OF POLYOLEFINS, POLYESTERS, OR POLYAMIDES. FORMED INTO A NETWORK SUCH THAT THE FILAMENTS OR FIBERS RETAIN DIMENSIONAL STABILITY RELATIVE TO EACH OTHER. FREE OF ANY TREATMENT OR COATING WHICH MIGHT ADVERSELY ALTER ITS PHYSICAL PROPERTIES AFTER INSTALLATION. FREE OF DEFECTS OR FLAWS THAT SIGNIFICANTLY AFFECT ITS PHYSICAL AND/OR FILTERING PROPERTIES. CUT TO A MINIMUM WIDTH OF 36 INCHES. USE ONLY FABRIC APPEARING ON SCOD APPROVAL SHEET #04 MEETING THE REQUIREMENT OF THE MOST CURRENT EDITION OF THE SCOD STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. SILT FENCE DETAIL.

INSTALLATION
EXCAVATE A TRENCH APPROXIMATELY 6 INCHES WIDE AND 6 INCHES DEEP WHEN PLACING FABRIC BY HAND. PLACE 12 INCHES OF GEOTEXTILE FILTER FABRIC INTO THE 6 INCH DEEP TRENCH. EXTENDING THE REMAINING 6 INCHES TOWARD THE UPRIGHT FACE OF THE TRENCH. BACKFILL THE TRENCH WITH SOIL OR GRAVEL AND COMPACT. BURY 12 INCHES OF FABRIC INTO THE GROUND UNDER MATHEMATICAL STABILITY. INSTALL POSTS WITH A MINIMUM LENGTH OF 4 FEET. SPACING A MAXIMUM OF 8 INCHES AND OUT TO THE LENGTH OF THE BARRIER TO AVOID JOINTS. WHEN JOINTS ARE NECESSARY, WRAP THE FABRIC TOGETHER AT A SUPPORT POST WITH BOTH ENDS FASTENED TO THE POST WITH A 6-INCH MINIMUM OVERLAP. INSTALL POSTS TO A MINIMUM DEPTH OF 24 INCHES. INSTALL SILT FENCE WITH A MINIMUM OF 1 TO 2 INCHES ABOVE THE FABRIC. WITH NO MORE THAN 1 FEET OF THE POST ABOVE THE GROUND. SPACE POSTS TO MAXIMUM 8 FEET CENTERS. ATTACH FABRIC TO THE WOOD POSTS USING 2\"/>

INSPECTION AND MAINTENANCE
INSPECT EVERY SEVEN CLEARENCE DAYS AND WITHIN 24 HOURS AFTER EACH RAINFALL EVENT THAT PRODUCES 1/2\"/>



PROJECT NO.	DATE	REVISIONS	DESCRIPTION
591492	OCTOBER 30, 2020		