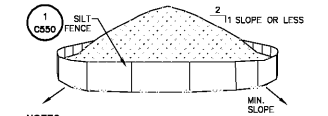


- CONSTRUCTION ENTRANCE SPECIFICATIONS:**
- CONSTRUCT ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS.
 - CONSTRUCT ON LEVEL GROUND WHERE POSSIBLE.
 - STONES SHOULD BE 2-4 INCH (5.1-10.2 CM) CRUSHED, WASHED, AND WELL GRADED ROCK TO AT LEAST AN 8-INCH (20.3 CM) DEPTH.
 - LENGTH SHOULD BE 100-FOOT (30.5 M) MINIMUM, AND 20-FOOT (6.1 M) MINIMUM WIDTH.
 - PROVIDE AMPLE TURNING RADI AS PART OF ENTRANCE.
 - SHOULD BE USED IN CONJUNCTION WITH STREET SWEEPING ON ADJACENT PUBLIC RIGHT-OF-WAY.
 - IT IS STRONGLY SUGGESTED THAT PERMITTER FENCES BE INSTALLED PROXIMATE TO THE CONSTRUCTION ENTRANCE THAT WILL LIMIT EGRESS TO THE DESIGNATED CONSTRUCTION EXIT(S).
 - GEOTEXTILE - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
 - 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.
 - 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.
 - WASHING - 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 WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
 - PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

2 STABILIZED CONSTRUCTION ENTRANCE DETAIL
 SCALE: NOT TO SCALE

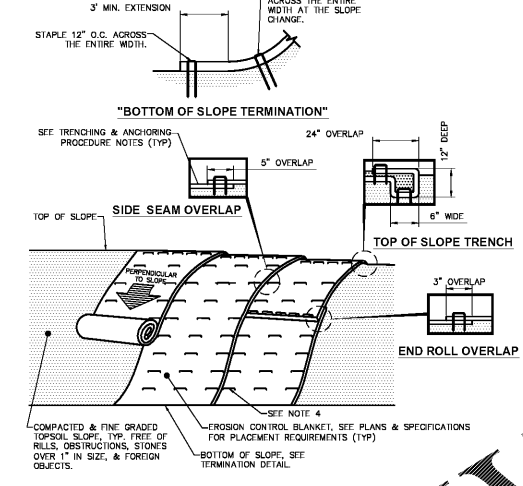
- NOTES:**
- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL 1" OR 1 1/2" TYPE OF HARDWOOD.
 - FILTER FABRIC TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAX MESH OPENING.
 - WHEN TWO SECTIONS OF FILTER FABRIC ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
 - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIALS REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
 - MAXIMUM DRAINAGE AREA FOR OVERLAND FLOW TO A SILT FENCE SHALL NOT EXCEED 1/4 ACRE PER 100 FEET OF FENCE.
 - SILT FENCE SHALL BE USED WHERE EROSION COULD OCCUR IN THE FORM OF SHEET EROSION.
 - SILT FENCE SHALL NOT BE USED WHEN A CONCENTRATION OF WATER IS FLOWING TO THE BARRIER.
 - TIEBACKS ARE ONLY NECESSARY WHEN REQUIRED BY THE ENGINEER OR NOTED IN THE PLANS.
 - MAXIMUM ALLOWABLE SLOPE LENGTHS CONTRIBUTING RUN-OFF TO A SILT FENCE ARE:
 SLOPE STEEPNESS MAXIMUM SLOPE LENGTH (FT)
 2:1 50
 3:1 75
 4:1 OR FLATTER 100

1 SILT FENCE INSTALLATION DETAIL
 SCALE: NOT TO SCALE

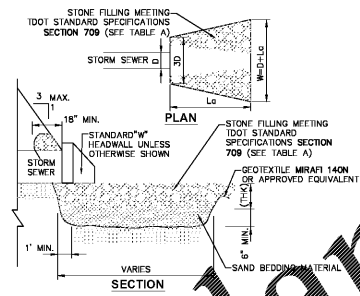


- NOTES:**
- AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
 - MAXIMUM SLOPE OF STOCKPILE SHALL BE 1W:2H.
 - UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH SILT FENCES, THEN STABILIZED WITH VEGETATION OR COVERED.
 - SEE SPECIFICATIONS FOR INSTALLATION OF SILT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

4 TEMPORARY SOIL STOCKPILE DETAIL
 SCALE: NOT TO SCALE



CULVERT DIA. (D)	CULVERT SLOPE, %	DOT STANDARD MACHINED IRON PIPING MATERIAL	d50	dMAX	MINIMUM APRON THICKNESS (IN)	
					(L1)	(L2)
12"	< 4	CLASS A-1	6"	6"	18	10
	4-8	CLASS A-1	9"-12"	14"-18"	24	10
18"	< 4	CLASS A-1	6"	6"	18	10
	4-8	CLASS B	9"-12"	14"-18"	24	12
	8-10	CLASS C	15"-18"	22"-27"	36	12
	10-15	CLASS C	15"-18"	22"-27"	36	18
24"	< 3	CLASS A-1	6"	6"	18	12
	3-4	CLASS B	9"-12"	14"-18"	24	18
	4-8	CLASS C	15"-18"	22"-27"	36	24
30"	< 1	CLASS A-1	6"	6"	18	15
	1-2	CLASS B	9"-12"	14"-18"	24	20
	2-4	CLASS C	15"-18"	22"-27"	36	25
	4-8	CLASS C	15"-18"	22"-27"	36	30
36"	< 2	CLASS B	9"-12"	14"-18"	24	26
	2-3	CLASS C	15"-18"	22"-27"	36	30
	3-5	CLASS C	15"-18"	22"-27"	36	36
42"	< 1	CLASS B	9"-12"	14"-18"	24	28
	1-2	CLASS C	15"-18"	22"-27"	36	35
	2-3	CLASS C	15"-18"	22"-27"	36	42
	2-3	CLASS C	15"-18"	22"-27"	36	48

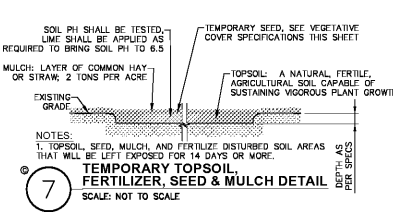


5 HEADWALL/END SECTION WITH STONE LINING DETAIL
 SCALE: NOT TO SCALE

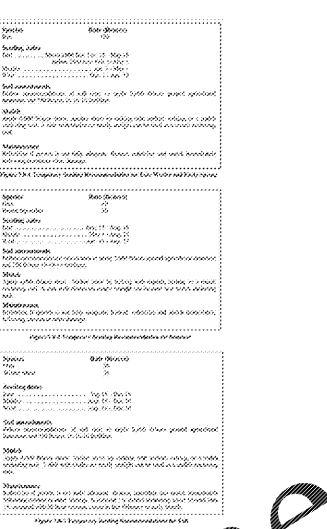
- NOTES:**
- PREPARE THE TOPSOIL (SEEDBED) FIRST BY RAKING, SHAPING, FINE GRADING, COMPACTING, SEEDING & FERTILIZING THE SLOPES.
 - USE THE TRENCHING & ANCHORING PROCEDURES DETAILED HEREIN TO SECURELY EXPOSED MATERIAL ENDS. SECURE ALL PRODUCT OVERLAPS OVER THE DIRECTION OF WATER FLOW, PERPENDICULAR TO THE SLOPE.
 - KEEP EROSION CONTROL BLANKET IN SOLID CONTACT WITH THE TOPSOIL.
 - USE THE REQUIRED NUMBER OF STAPLES/STAKES TO SECURELY FASTEN THE EROSION CONTROL BLANKET TO THE SLOPE. IN LOOSE SOIL CONDITIONS, USE STAPLES/STAKES LENGTHS GREATER THAN 6" MAY BE NECESSARY. STAPLE PATTERNS & OVERLAPS ARE DEPENDENT ON SITE CONDITIONS & MANUFACTURER'S REQUIREMENTS. CONTRACTOR SHALL CONSULT WITH MANUFACTURER FOR ACTUAL SITE SPECIFIC REQUIREMENTS.

- TRENCHING & ANCHORING PROCEDURES:**
- SIDE SEAM OVERLAP:** THE EDGES OF PARALLEL BLANKETS SHALL BE STAPLED WITH A 5" OVERLAP.
- TOP OF SLOPE:** EROSION CONTROL BLANKETS SHALL BE STAPLED BY ANCHORING THE EROSION CONTROL BLANKET TO THE TOP OF SLOPE WITH A 12" OVERLAP EXTENDING BEYOND THE UP-SLOPE PORTION OF THE TRENCH. SECURE WITH A ROW OF STAPLES/STAKES 12" O.C. IN THE BOTTOM OF THE TRENCH. BACKFILL & COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO THE EXPOSED SOIL & FOLD THE REMAINING 12" PORTION OF EROSION CONTROL BLANKET BACK OVER THE SEED & COMPACTED SOIL TO SECURE THE EROSION CONTROL BLANKET OVER THE COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED 12" O.C. ACROSS THE ENTIRE WIDTH.
- END ROLL OVERLAP:** CONSECUTIVE BLANKETS SPICED DOWN THE SLOPE SHALL BE PLACED END OVER END (SHINGLE-STYLE) WITH A 3" OVERLAP. STAPLE THRU OVERLAP AREAS, 12" APART ACROSS THE ENTIRE WIDTH.
- ANCHORING:** TO BE USED ON ALL SLOPES GREATER THAN 3:1 BUT NO STEEPER THAN 2:1. 24 MONTH LONGEVITY, AND INSTALLED PER MANUFACTURER REQUIREMENTS.

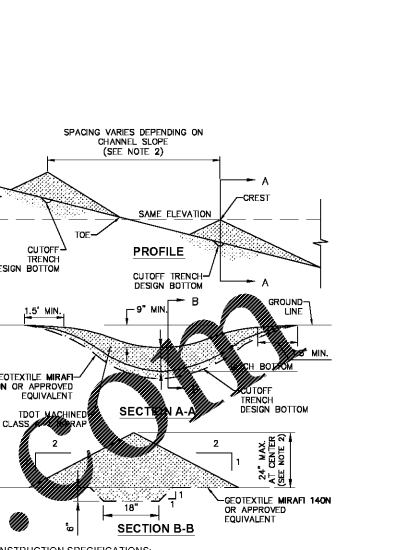
6 TEMPORARY EROSION CONTROL BLANKET INSTALLATION DETAIL
 SCALE: NIS



7 TEMPORARY TOPSOIL, FERTILIZER, SEED & MULCH DETAIL
 SCALE: NOT TO SCALE



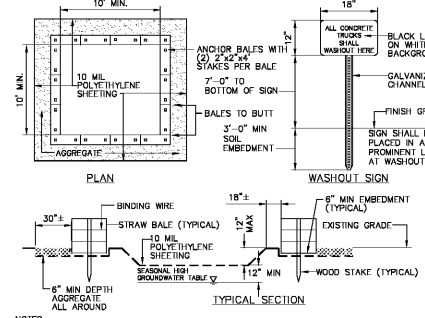
8 SILT SACK DETAIL
 SCALE: NOT TO SCALE



10 STONE CHECK DAM DETAIL
 SCALE: NOT TO SCALE

- CONSTRUCTION SPECIFICATIONS:**
- STONE SHALL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN ON THE PLAN.
 - SET SPACING OF CHECK DAMS IN ACCORDANCE WITH THE FOLLOWING:
 CHECK DAM SPACING INCREMENT 2'-6" DITCH/DRAIN W/
 1'-9" INCH CHECK DAM (SPACING = 100% SLOPE RATIO)
 SLOPE: SPACING
 0.5% 305'
 1% 175'
 2% 87'
 3% 56'
 4% 44'
 5% 35'
 - CONTRACTOR TO ADJUST SPACING ACCORDINGLY BASED ON ACTUAL DEPTH & SLOPE OF DITCH.
 - EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
 - PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
 - ENSURE THAT CHANNEL APERTURES SUCH AS CULVERT ENTRANCES BELOW CHECK DAM ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE.
 - MAXIMUM DRAINAGE AREA IS 2 ACRES.

10 STONE CHECK DAM DETAIL
 SCALE: NOT TO SCALE



- NOTES:**
- CONTAINMENT MUST BE STRUCTURALLY SOUND AND LEAK FREE AND CONTAIN ALL LIQUID WASTES.
 - CONTAINMENT DIVERS MUST BE OF SUFFICIENT QUANTITY OR VOLUME TO COMPLETELY CONTAIN THE LIQUID WASTES GENERATED.
 - WASHOUT MUST BE CLEANED OR NEW FACILITIES CONSTRUCTED AND READY TO USE ONCE WASHOUT IS 75% FULL. THIS INCLUDES REPLACEMENT OF THE 10 MIL POLYETHYLENE SHEETING.
 - WASHOUT AREA(S) SHALL BE INSTALLED IN A LOCATION EASILY ACCESSIBLE BY CONCRETE TRUCKS.
 - ONE OR MORE AREAS MAY BE INSTALLED ON THE CONSTRUCTION SITE AND MAY BE RELOCATED AS CONSTRUCTION PROGRESSES.
 - AT LEAST WEEKLY, REMOVE ACCUMULATION OF SAND AND AGGREGATE AND DISPOSE OF PROPERLY.

3 CONCRETE WASHOUT AREA DETAIL
 SCALE: NOT TO SCALE

Order Plans