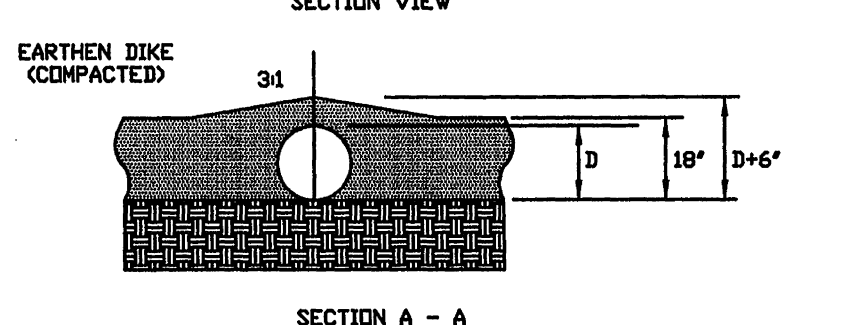
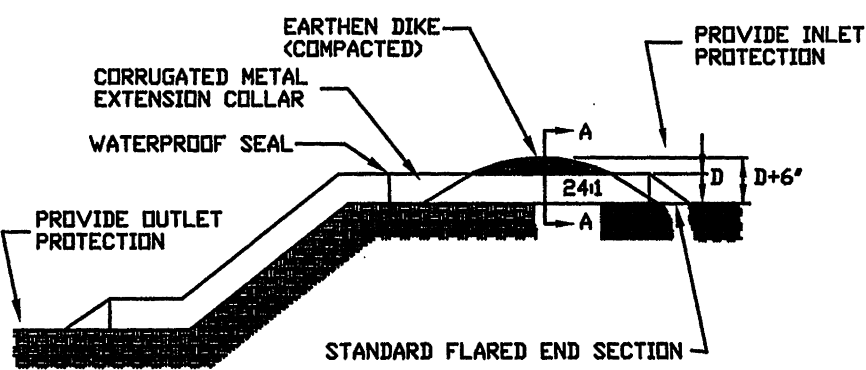
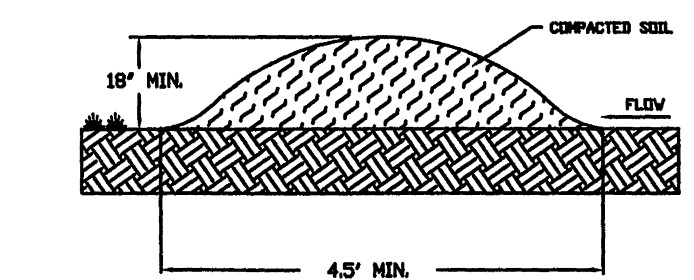


SF CONSTRUCTION OF A SILT FENCE



TSD TEMPORARY SLOPE DRAIN



DD TEMPORARY DIVERSION DIKE

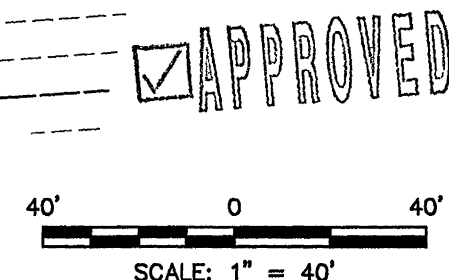


RWD TEMPORARY RIGHT-OF-WAY DIVERSION

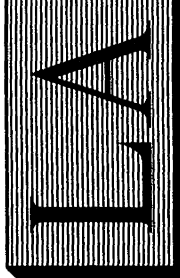
CONSTRUCTION SEQUENCE

1. THE CONTRACTOR'S CERTIFIED RESPONSIBLE LAND DISTURBER (RLD) SHALL BE NAMED AND THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS. SCHEDULE PRECONSTRUCTION MEETING WITH ROANOKE COUNTY.
2. THE CONSTRUCTION PROCESS SHOULD BE SEQUENCED AS MUCH AS POSSIBLE SO THAT EACH AREA IS SEEDING AND STABILIZED PRIOR TO BEGINNING GRADING OPERATIONS IN ANOTHER AREA.
3. INSTALL CONSTRUCTION ENTRANCES.
4. INSTALL SEDIMENT TRAPS, DIVERSION DIKES, SUPER SILT FENCE AND OTHER PERIMETER EDC MEASURES.
5. CONSTRUCT UTILITY RELOCATIONS.
6. PERFORM MASS GRADING OPERATIONS AND RETAINING WALL CONSTRUCTION. INSTALL INLET PROTECTION ALONG WITH STORM DRAIN CONSTRUCTION.
7. INSTALL DIVERSIONS AND TEMPORARY SLOPE DRAIN BELOW RETAINING WALL AS GRADING OPERATIONS ALLOW.
8. REMOVE MANHOLE TOP FROM STRUCTURE "23" AND INSTALL INLET PROTECTION FOR USE AS A TEMPORARY DRAINAGE STRUCTURE. ADDITIONAL MANHOLE SECTIONS SHALL BE INSTALLED AS GRADING REQUIRES. REMOVING AND REPLACING INLET PROTECTION AS NECESSARY. DURING WALL CONSTRUCTION, CONTRACTOR SHALL GRADE FILL BEHIND WALL TO DRAIN TO THIS STRUCTURE.
9. INSTALL REMAINDER OF STORM DRAIN AND INLET PROTECTION AS GRADING OPERATIONS ALLOW.
10. ADJUST DIVERSIONS AND SILT FENCING AS NECESSARY DURING GRADING OPERATIONS.
11. AS FINAL GRADES ARE ACHIEVED, APPLY PERMANENT SEEDING AS SOON AS CONDITIONS PERMIT.
12. STRUCTURE "23" SHALL BE ABANDONED IN PLACE AS SOON AS NEW STORM DRAIN INLETS ARE COMPLETED AND GRADING ALLOWS THEM TO RECEIVE MOST OF THE RUNOFF FROM THE PAD. THE EXISTING PIPE SHALL BE BACKFILLED WITH FLOWABLE FILL PER VDOT REQUIREMENTS. THE MANHOLE RISER SHALL BE FILLED WITH STONE AND CAPPED WITH CONCRETE AT LEAST SIX (6) FEET BELOW FINISHED GRADE.
13. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED AFTER THOSE AFFECTED AREAS HAVE BEEN BROUGHT TO FINAL GRADE AND AFTER PERMANENT VEGETATION HAS BEEN ESTABLISHED.

THIS PLAN IS FOR
EROSION & SEDIMENT CONTROL ONLY



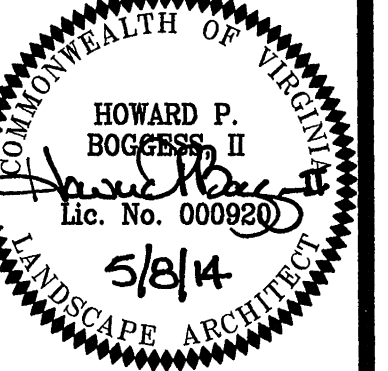
TEMPORARY SEDIMENT TRAP DATA						
STRUCTURE	DRAINAGE AREA (ACRES)	STORAGE (C.Y.) REQ'D	DESIGN	WEIR LENGTH (FT.)	WEIR HEIGHT (FT.)	BERM HEIGHT (FT.)
ST1	1.2	161	161	7.2	1.55	2.55
BOTTOM OF WET = 46' x 8', ELEV. 1354.00'						
TOP OF WET = 58' x 20', 3.0' DEPTH, ELEV. 1357.00'						
TOP OF DRY = 69.6' x 41.6', 1.55' DEPTH, ELEV. 1358.55'						
ST2	1.0	134	134	6.0	1.55	2.55
BOTTOM OF WET = 35.5' x 8.5', ELEV. 1353.75'						
TOP OF WET = 47.5' x 20.5', 3.0' DEPTH, ELEV. 1356.75'						
TOP OF DRY = 53.7' x 26.7', 1.55' DEPTH, ELEV. 1358.30'						
ST3	2.6	348	348	15.6	2.59	3.59
BOTTOM OF WET = IRREG. 122 SF, ELEV. 1220.00'						
TOP OF WET = 142.3 SF, 7.17' DEPTH, ELEV. 1227.17'						
TOP OF DRY = IRREG. 2,238 SF, 2.59' DEPTH, ELEV. 1229.76'						
ST4	0.5	67	67	3.0	1.33	2.33
BOTTOM OF WET = 14.5' x 9', ELEV. 1339.00'						
TOP OF WET = 26.5' x 21', 3.0' DEPTH, ELEV. 1342.00'						
TOP OF DRY = 31.82' x 26.32', 1.33' DEPTH, ELEV. 1343.33'						



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EROSION & SEDIMENT CONTROL PLAN

GRADING & UTILITY RELOCATION PLAN

FOR

SOUTH PEAK CONDOMINIUM

PREPARED FOR

SMITH/PACKETT

CAVE SPRING MAGISTERIAL DISTRICT

COUNTY OF ROANOKE, VIRGINIA

DATE: May 8, 2014

SCALE: 1" = 40'

COMMISSION NO: 13-166

SHEET 6 OF 8