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MS-2: THE CONTRACTOR SHALL STABILIZE WITH TS AND PROTECT FROM EROSION, WITH ANY APPLICABLE METHOD, ALL STOCKPILES AND ANY ON-SITE OR OFF-SITE BORROW OR SPOIL AREAS, AS APPLICABLE. APPROVAL OF THIS PLAN DOES NOT COVER OFF-SITE BORROW OR SPOIL AREAS. PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO, OFF-SITE BORROW OR WASTE AREAS), THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN FOR REVIEW AND APPROVAL BY THE PLAN APPROVING AUTHORITY.

MS-4: ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PLACED IN ADVANCE OF THE WORK THEY ARE INTENDED TO PROTECT.

AREAS. CONTRACTOR SHALL HONOR INDICATED DRAINAGE DIVIDES AND CONFORM TO VOLUMES, DETAIL

NS-8: WHERE CONCENTRATED RUNOFF HAS BEEN ROUTED DOWN SLOPES CARE HAS BEEN TAKEN TO DESIGN AN ADEQUATE CHANNEL OR DRAIN. CONTRACTOR SHALL INSTALL THESE MEASURES ALONG WITH THEIR STABILIZATION AS SOON AS PRACTICAL TO PROTECT SLOPE. NOT APPLICABLE; NO CHANNELS OR DRAINS ARE PROPOSED OVER SLOPES.

MS-10: INLET OR CULVERT INLET PROTECTION IS PROPOSED FOR THE INLETS OF ALL STORM SEWERS OR CULVERTS ON-SITE. RLD SHALL INSURE PROPER INSTALLATION AND ASSURE ADEQUATE SIZING BASED ON DRAINAGE AREA OF EACH INLET.

MS-13: WHERE MORE THAN 2 TRIPS IN 8 MONTHS ARE EXPECTED ACROSS A LIVE WATERCOURSE OBTAIN THE NECESSARY PERMIT AND INSTALL A TEMPORARY STREAM CROSSING. (NOT APPLICABLE).

MS-15: THE BED AND BANKS OF DISTURBED WATERCOURSES MUST BE STABILIZED IMMEDIATELY. (NOT APPLICABLE)

CONTRACTOR'S RESPONSIBILITY TO INSURE THAT THE STREETS ARE IN A CLEAN, MUD AND DUST FREE CONDITION AT ALL TIMES.

DISTURBER SHALL PAY PARTICULAR ATTENTION TO OFF-SITE AREAS CONTRIBUTING RUNOFF TO THE SITE, OFF-SITE LOCATIONS RECEIVING RUNOFF FROM THIS PROJECT, AND PROPER OPERATION OF STORMWATER MANAGEMENT PRACTICES ON-SITE. ALL DITCHES, SWALES, AND NATURAL WATERCOURSES DOWNSTREAM OF THIS PROJECT SHALL BE FIELD INSPECTED DURING AND AFTER CONSTRUCTION BY THE RLD TO ENSURE COMPLIANCE WITH DCR'S MS-10. IF EROSION OR SCOUR IS OCCURRING THE DEVELOPER SHALL BE RESPONSIBLE FOR ALL CORRECTIVE MEASURES.

ES-3: ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN CLEARING

THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN TO THE OWNER FOR REVIEW AND APPROVAL BY THE PLAN APPROVING AUTHORITY.

ES-8: DURING DEWATERING OPERATION, WATER WILL BE PUMPED INTO AN APPROVED FILTERING DEVICE.

ES-9: THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY. AN INSPECTION REPORT MUST BE FILED WITH THE ROANOKE COUNTY COMMISSIONER OF PUBLIC WORKS.

are desirable.

but not where ponding around the structure might cause excessive inconvenience or damage to adjacent structures and unprotected areas.

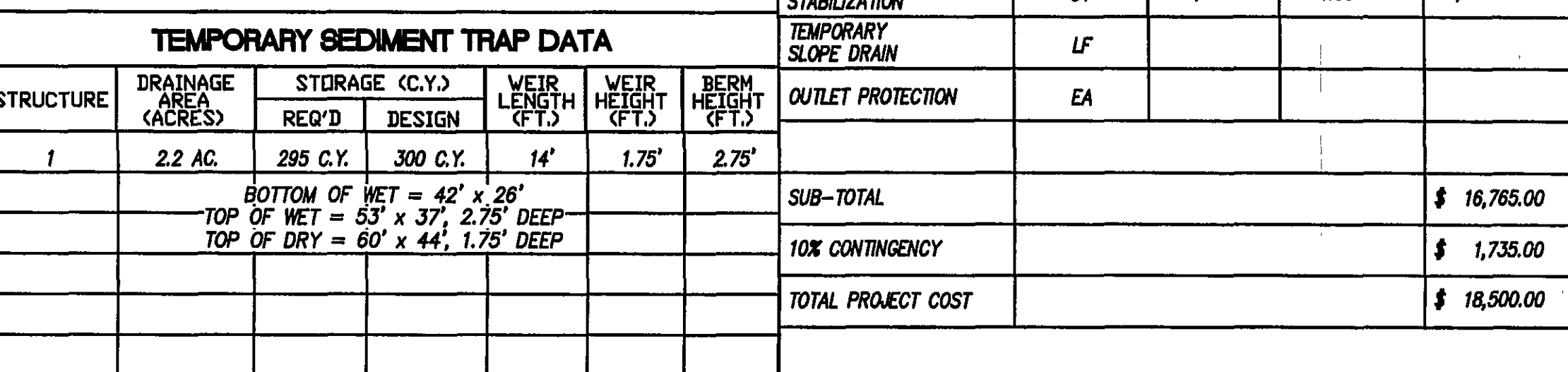
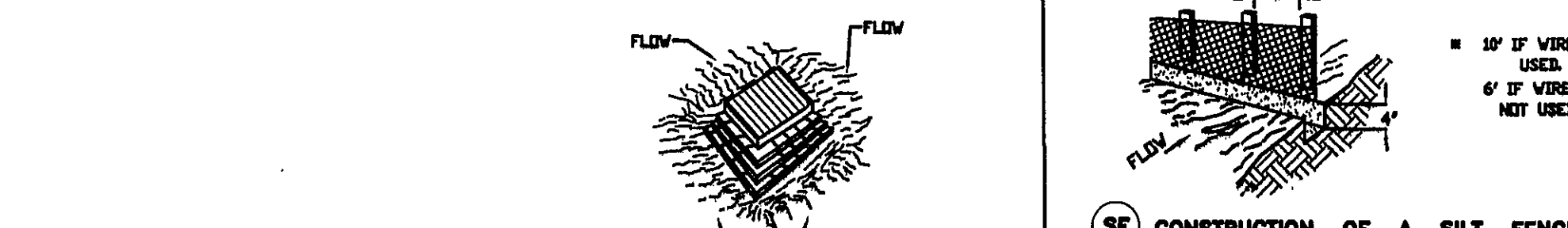
1 ENGR. & INSP. 04-10-93

ENGINEERING AND INSPECTIONS

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The diagrams illustrate two types of temporary flood control structures:

- CD ROCK CHECK DAM:**
 - Top Diagram:** A cross-section for a drainage area of 2 acres or less. It shows a filter cloth (optional) at the base, coarse aggregate (gravel) in the center, and Class I riprap on the sides. The structure is labeled "DOWNSTREAM VIEW".
 - Bottom Diagram:** A cross-section for a drainage area of 2-10 acres. It shows a filter cloth (optional) at the base, coarse aggregate (gravel) in the center, and Class I riprap on the sides. The structure is labeled "DOWNSTREAM VIEW".
- DD TEMPORARY DIVERSION DIKE:**
 - Top Diagram:** A cross-section showing a compacted subgrade on the left, a 18" high dike, and a 4.5' high dike on the right. The dike is labeled "DOWNSTREAM VIEW".
 - Bottom Diagram:** A cross-section showing a compacted subgrade on the left, a 18" high dike, and a 4.5' high dike on the right. The dike is labeled "DOWNSTREAM VIEW".

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|---|-----------------|----------|
| 1 | ENGR. & INSPEC. | 04-10-93 |
| 2 | ENGR. & INSPEC. | 08-05-93 |
| 3 | ENGR. & INSPEC. | 10-27-93 |
| 4 | | |
| 5 | | |
| 6 | | |

DATE: 11/02/93

SCALE: NO SCALE

DRAWING BY: CLN,AF

DESIGNED BY: G:\CAD\DETAILS\EROSION\EROSION)

COMM. No: 2007-170

SHEET
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