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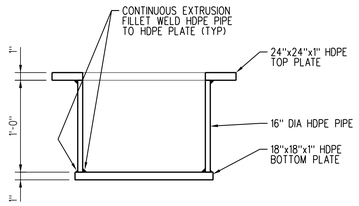

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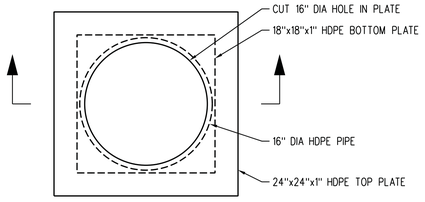
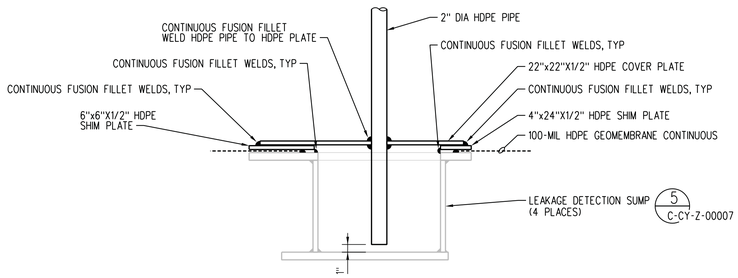


PLAN

LEAKAGE DETECTION SUMP 5
SCALE NTS
C-CY-Z-00005
C-CY-Z-00006



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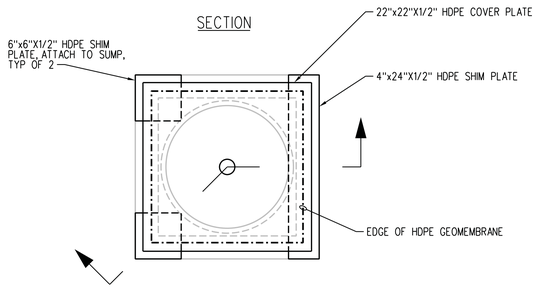
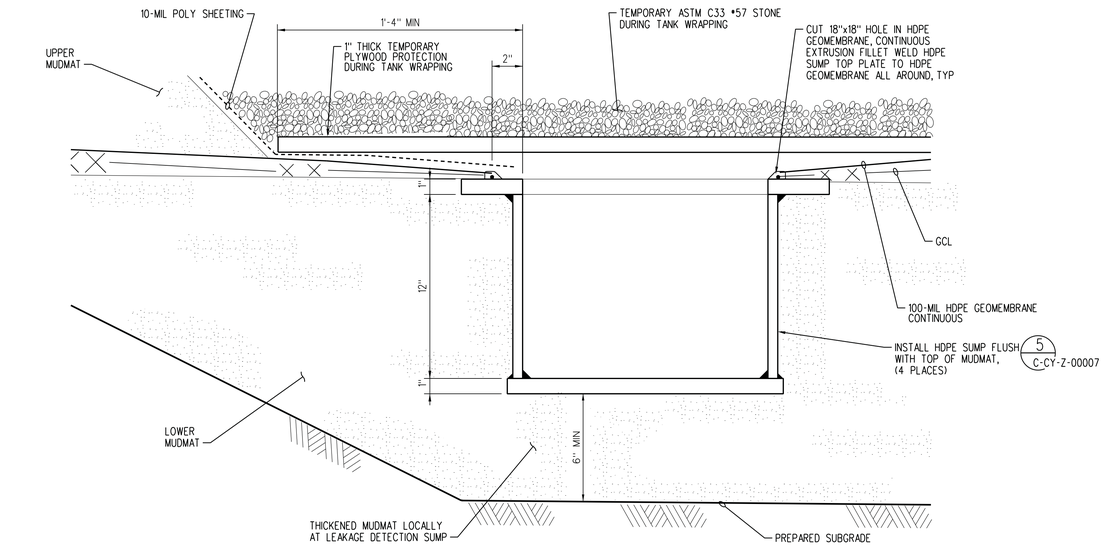


DETAIL 6 NOTE:
1. INSTALL SUMP COVER AFTER LIQUID TIGHTNESS TESTING

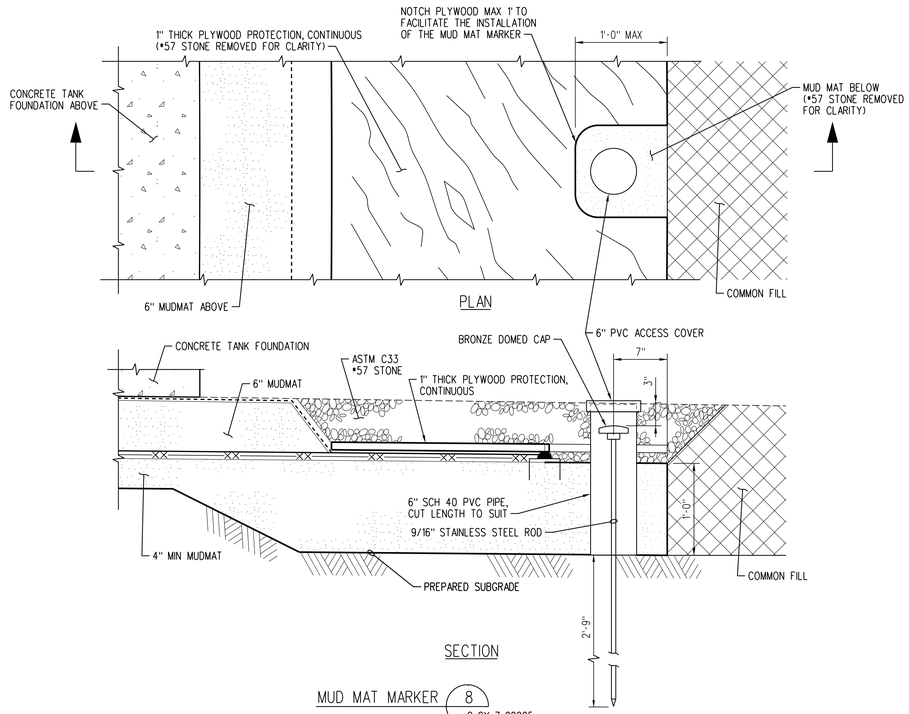
PLAN

LEAKAGE DETECTION SUMP COVER 6
SCALE NTS
C-CY-Z-00005
C-CY-Z-00006

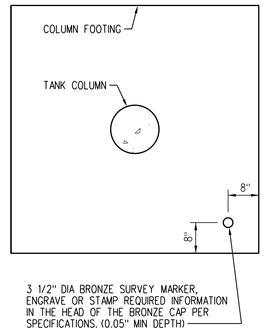


DETAIL 7 NOTES:
1. CONDITION SHOWN IS DURING TANK WRAPPING.
2. REMOVE ALL TEMPORARY ITEMS FOR LIQUID TIGHTNESS TESTING.

HDPE GEOMEMBRANE/ LEAKAGE DETECTION SUMP CONNECTION 7
SCALE NTS

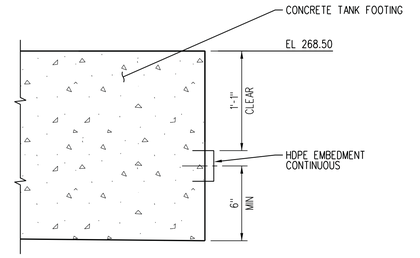


MUD MAT MARKER 8
SCALE NTS
C-CY-Z-00005



PLAN

BRONZE SURVEY MARKER 9
SCALE 3/4"=1'-0"
C-CY-Z-00005



FOOTING HDPE EMBEDMENT 10
SCALE 1 1/2"=1'-0"
C-CY-Z-00006
C-CC-Z-00042

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER
No. 29838
Digital Signature
MICHELE JANE MCHENRY

SOUTH CAROLINA CERTIFICATE OF AUTHORITY
CH2M HILL INC. NO. C00201

C	CY	Z	00007	LATEST REVISION 0

PROJ.	REV. NO.	REVISION	INITIAL AND DATE PRP'D	LEAD ENG.	CHK'D/VERIF'D.	APRV'D	APRV'D	APRV'D
SDU6	0	ISSUED FOR CONSTRUCTION	JP 11-07-12	DT/MM 11-07-12	DD 11-07-12	SF 11-07-12	11/9/12	TH 11/9/12

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REFERENCE DRAWINGS

C-CY-Z-00005	HDPE/GLC, LEAKAGE DETECTION AND SETTLEMENT MONITORING PLAN
C-CY-Z-00006	LEAKAGE DETECTION SYSTEM SECTIONS AND DETAILS
C-CC-Z-00042	WALL AND COLUMN SECTION AND DETAILS

REFERENCE STANDARDS

UNITED STATES DEPARTMENT OF ENERGY
SAVANNAH RIVER SITE

BLDG. NO.	SITE CLEARANCE NO.	DESIGN AREA NO.	DESIGN GROUP
451-6Z	SC-6789	Z451	DS SDU TANK 6

TITLE
Z AREA
SALTSTONE DISPOSAL SITE
SDU6
TANK DESIGN
CIVIL
LEAKAGE DETECTION AND SETTLEMENT MONITORING SECTIONS AND DETAILS

SCALE	SSP DRAWING NO.	SHEET NO.	LATEST REVISION
AS SHOWN	N/A	1 OF 1	0

W.S. • ( ) - REF FILES YES NO
LEVELS 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123
PSC• 1 PLOT DATE 11-07-12 TIME
DRAWN BY (ORIG): IRINA L-T DATE:
LAST CADD REV. BY:
Scale shown on this drawing is only applicable when plotted at 30"x42" (actual drawing size)

typ_3 rev_08/15/07