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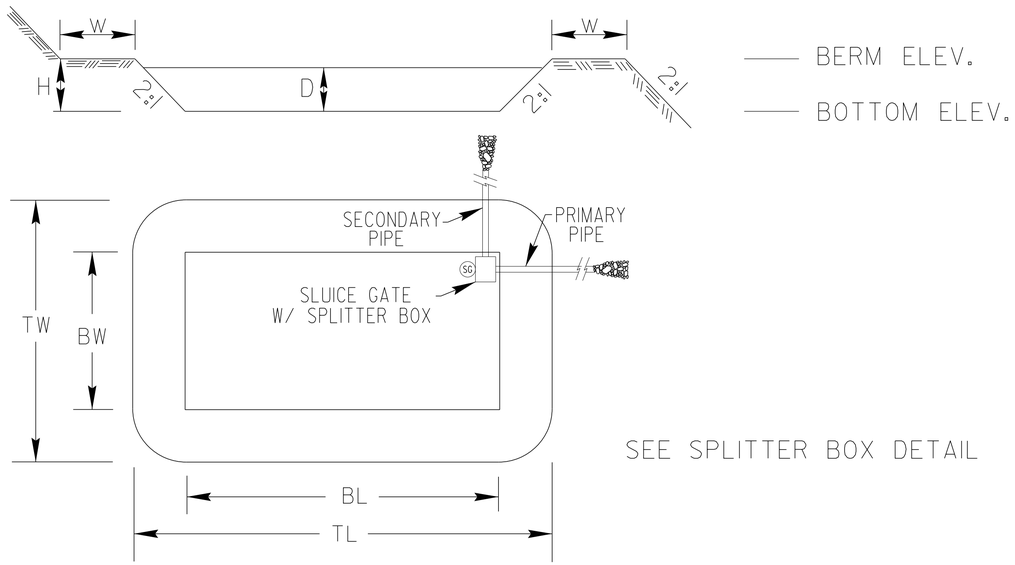
12/15/05

PROJECT REFERENCE NO.	SHEET NO.
U-3615B	2D-2

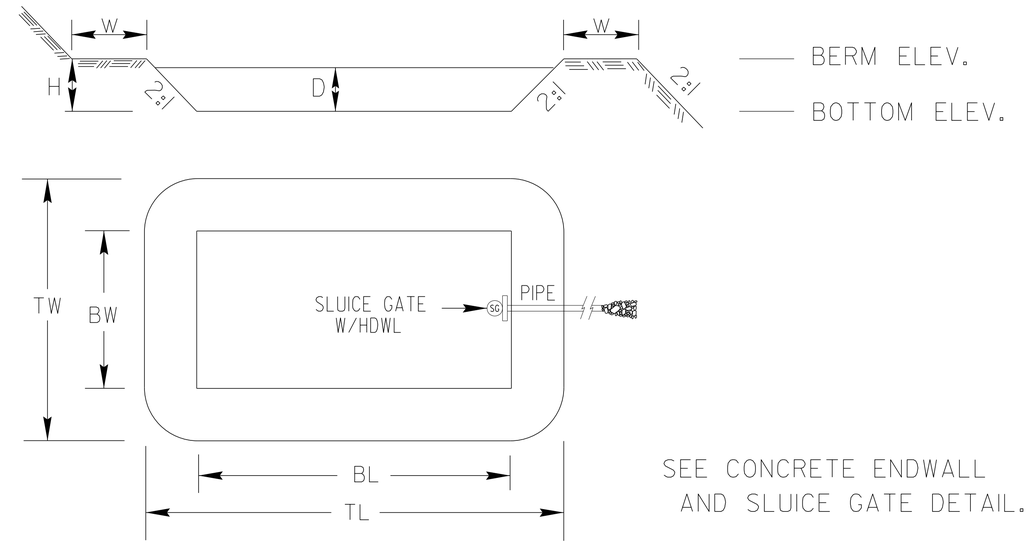
HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 012575 ENGINEER Paul F. Fussler

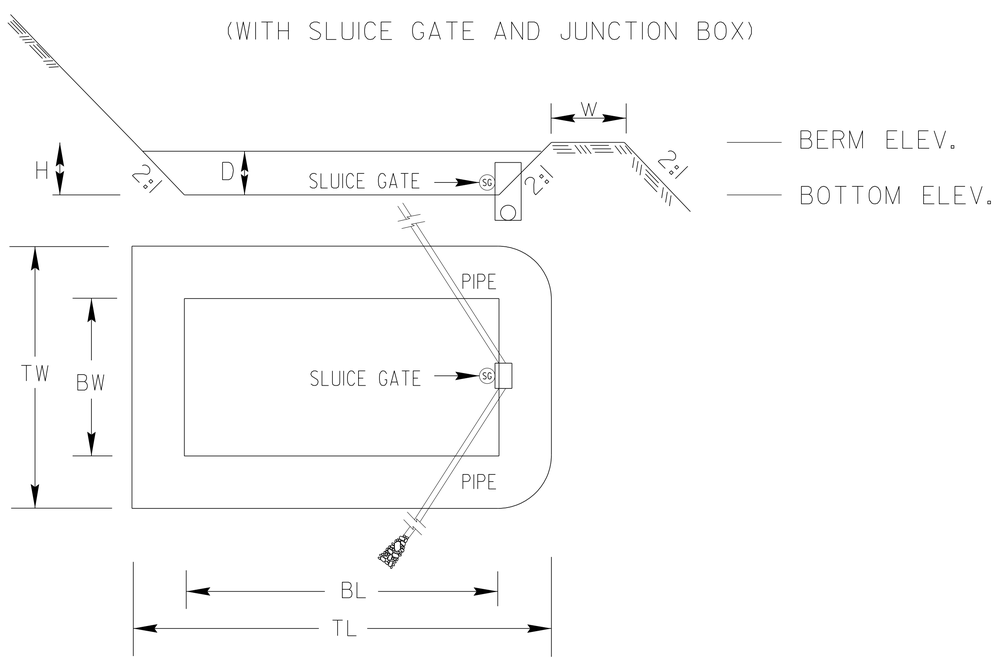
DETAIL A
HAZARDOUS SPILL RETENTION BASIN
(WITH SLUICE GATE AND SPLITTER BOX)



DETAIL B
HAZARDOUS SPILL RETENTION BASIN
(WITH SLUICE GATE AND HEADWALL)



DETAIL C
HAZARDOUS SPILL RETENTION BASIN
(WITH SLUICE GATE AND JUNCTION BOX)



DIMENSIONS

BASIN NO.	PROJECT STATION (-L-)	DETAIL	CAPACITY REQUIRED (c.f.)	CAPACITY PROVIDED (c.f.)	DEPTH (D)	HEIGHT (H)	BERM WIDTH (W)	BOTTOM LENGTH (BL)	BOTTOM WIDTH (BW)	TOP LENGTH (TL)	TOP WIDTH (TW)	BOTTOM ELEV.	BERM ELEV.
1	183+00 (RT)	B	5120	7650	6.0′	4.5′	5′	90′	20′	131′	66′	838.96	844.96
2	202+00 (LT)	A	6560	6700	3.5′	4.5′	5′	80′	15′	98′	33′	823.5	828.0
3	222+00 (LT)	A	7240	7320	3.5′	4.5′	5′	88′	15′	106′	33′	810.0	814.5
4	234+50 (RT)	B	4000	4120	3.5′	4.5′	5′	40′	18′	58′	36′	814.5	819.0
5	242+00 (RT)	A	6910	7350	3.0′	4.0′	5′	70′	35′	82′	47′	808.5	812.5
6	267+00 (LT)	A	6500	6590	3.5′	4.5′	5′	50′	26′	68′	44′	814.9	819.4
7	272+00 (RT)	A	8060	8070	3.5′	4.5′	5′	65′	25′	83′	43′	825.5	830.0
8	306+00 (RT)	B	6530	6620	3.5′	4.5′	5′	52′	25′	70′	43′	861.0	865.5
9	314+50 (RT)	B	3380	3390	3.5′	4.5′	5′	35′	16′	53′	34′	863.5	868.0
10	191+50 (LT)	B	2293	2300	2.3′	3.0′	5′	100′	10′	121′	29′	832.0	835.0
11	232+50 (RT)	C	2210	2240	3.5′	4.5′	5′	22′	15′	42′	43′	813.38	817.88

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