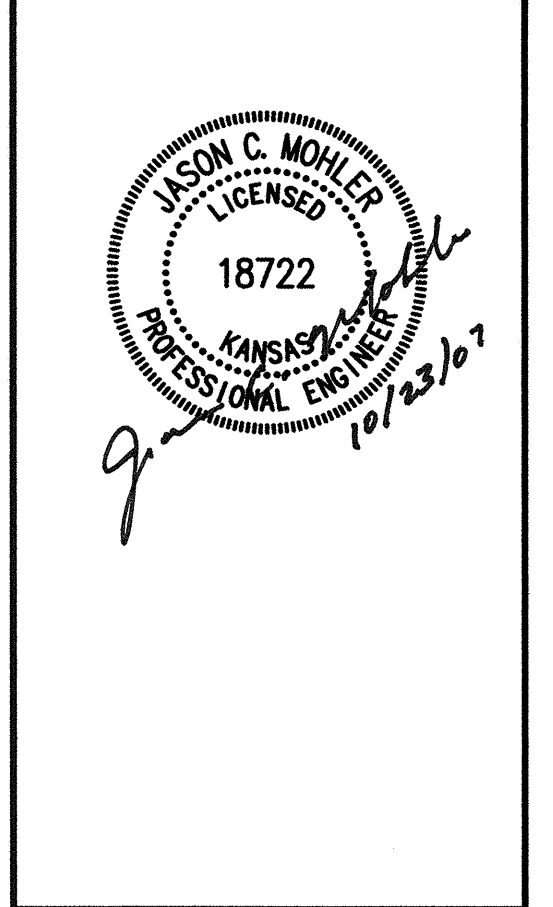
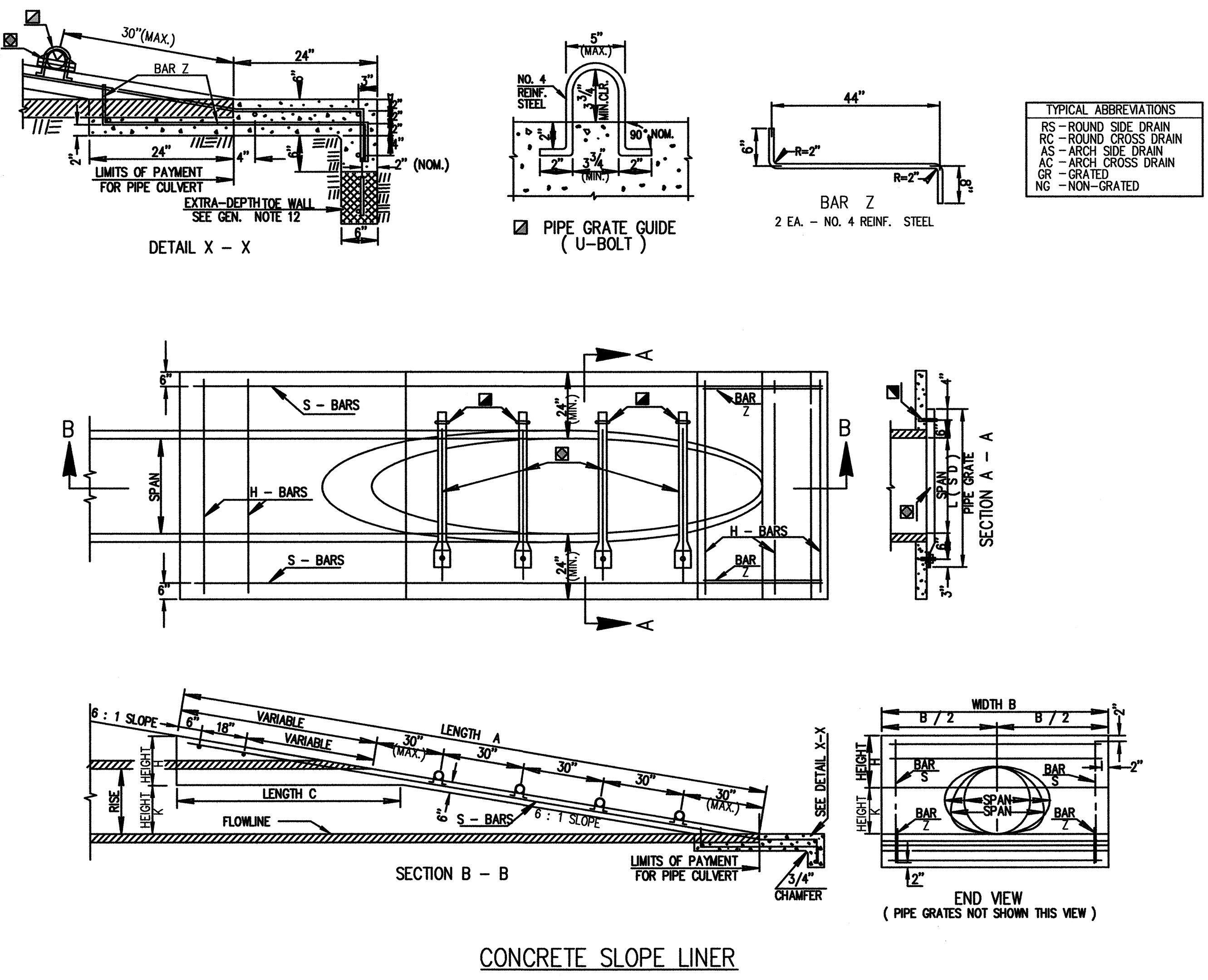


SINGLE PIPE INSTALLATION - 6 TO 1 SAFETY SLOPE
TABLE A - SCHEDULE OF PIPE SAFETY GRATES - AASHTO DESIGNATED PIPE SIZES

C. E. T. TYPE	ROUND		REINF. CONC. ARCH PIPE		STEEL ARCH PIPE		ALUMINUM ARCH PIPE		REINF. CONC. ELLIPTICAL PIPE		SIDE DRAIN GRATES		CROSS DRAIN GRATES	
	INCHES	INCHES	INCHES	INCHES	INCHES	INCHES	INCHES	INCHES	INCHES	INCHES	L (30)	L (30)	L (30)	L (30)
A6	15"	21"									36"	36"	NONE	NONE
	18"	24"									36"	36"	NONE	NONE
	(18")		22 x 13 1/2"	2	21 x 15	2	21 x 15	2	14 x 23	2	42"	42"	NONE	NONE
			26 x 15 1/2"	2							45"	45"	NONE	NONE
B6	21"	27"									42"	42"	NONE	NONE
	24"	30"									45"	45"	NONE	NONE
	(24")		28 1/2 x 18	3	28 x 20	3	28 x 20	3	19 x 30	3	48"	48"	1 @ 15'-9"	1 @ 15'-9"
			36 1/2 x 22 1/2"	4	35 x 24	4	35 x 24	4	22 x 34	4	54"	54"	1 @ 17'-6"	1 @ 17'-6"
C6	30"	36"									57"	57"	1 @ 18'-3"	1 @ 18'-3"
	(30")		43 1/2 x 26 1/2"	4	42 x 29	5	42 x 29	5	29 x 45	5	64"	64"	1 @ 19'-9"	1 @ 19'-9"
			51 1/2 x 31 1/2"	6	49 x 33	6	49 x 33	6	34 x 53	6	70"	70"	1 @ 20'-9"	1 @ 20'-9"
	36"	42"									70"	70"	1 @ 21'-9"	1 @ 21'-9"
D6	42"	48"									72"	72"	1 @ 22'-8"	1 @ 22'-8"
	(42")		58 1/2 x 36	7	57 x 38	7	57 x 38	7	38 x 60	7	84"	84"	1 @ 23'-8"	1 @ 23'-8"
			65 x 40	7	64 x 43	8	64 x 43	8	43 x 68	8	90"	90"	1 @ 25'-8"	1 @ 25'-8"
	48"	54"									90"	90"	1 @ 27'-8"	1 @ 27'-8"
E6	48"	54"									96"	96"	1 @ 30'-6"	1 @ 30'-6"
	(48")		73 x 45	8	71 x 47	9	71 x 47	9	48 x 76	9	108"	108"	2 @ 30'-6"	2 @ 30'-6"

SINGLE PIPE INSTALLATION - 6 TO 1 SAFETY SLOPE
TABLE B - SCHEDULE OF DIMENSIONS FOR C. E. T. TYPES

C.E.T. TYPE	LENGTH			HEIGHT			CONC. C.Y.			STEEL LENGTH		
	A	B	C	H	K	C.Y.	C.Y.	H-BARS	S-BARS	S-BARS		
A6	15'-3"	5'-6"	6'-6"	8'-6"	21"	9"	2.35	2.80	5'-2"	6'-2"	17'-9"	
B6	18'-3"	6'-0"	7'-2"	9'-0"	22"	14"	2.75	3.49	5'-8"	6'-8"	21'-9"	
C6	23'-4"	6'-8"	8'-5"	11'-0"	26"	20"	3.90	5.30	6'-2"	8'-1"	28'-4"	
D6	27'-9"	7'-8"	9'-6"	12'-0"	28"	27"	4.85	7.00	7'-2"	9'-2"	33'-0"	
E6	30'-6"	8'-0"	10'-4"	13'-0"	30"	30"	5.29	8.45	7'-8"	10'-0"	40'-6"	



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Revisions:
 10/16/07 - END SECTION SLOPE LINER & ADDED DETAIL

SWS P&P

Drawn by: CKW
 Checked by: J. MOHLER

Job Number: 073006-00
 Contact Person: J. MOHLER

Date: 08/17/07
 Sheet Number: C22.01

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