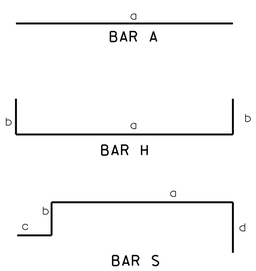
REV. 4-15-05: MODIFIED REINFORCING STEEL IN HEADWALL.

REV. 5-27-01: CHANGED DRAWING NAME.

BILL OF STEEL

CODE NO.	LOCATION	BAR SIZE	18" PIPE BENDING DIMENSIONS a	b	c	d	e	NO. REQ'D.	LENGTH	24" PIPE BENDING DIMENSIONS a	b	c	d	e	NO. REQ'D.	LENGTH	30" PIPE BENDING DIMENSIONS a	b	c	d	e	NO. REQ'D.	LENGTH
A500	TOEWALL	5	2'-9"	—	—	—	—	2	2'-9"	3'-4"	—	—	—	—	2	3'-4"	3'-11"	—	—	—	—	2	3'-11"
A501	WINGWALLS	5	11'-8"	—	—	—	—	2	11'-8"	15'-2"	—	—	—	—	2	15'-2"	19'-2"	—	—	—	—	2	19'-2"
A502	WINGWALLS	5	—	—	—	—	—	—	—	9'-2"	—	—	—	—	2	9'-2"	13'-2"	—	—	—	—	2	13'-2"
A503	WINGWALLS	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7'-2"	—	—	—	—	2	7'-2"
A504	WINGWALLS	5	11'-10"	—	—	—	—	2	11'-10"	15'-5"	—	—	—	—	2	15'-5"	20'-2"	—	—	—	—	2	20'-2"
A505	HEADWALL	5	1'-5"	—	—	—	—	2	1'-5"	1'-10"	—	—	—	—	2	1'-10"	2'-2"	—	—	—	—	2	2'-2"
A506	HEADWALL	5	1'-4"	—	—	—	—	2	1'-4"	1'-9"	—	—	—	—	2	1'-9"	2'-2"	—	—	—	—	2	2'-2"
A800	HEADWALL	8	2'-7"	—	—	—	—	2	2'-7"	3'-4"	—	—	—	—	2	3'-4"	3'-11"	—	—	—	—	2	3'-11"
H500	BOTTOM SLAB & HEADWALL	5	2'-9"	2'-10"	—	—	—	1	8'-5"	3'-4"	3'-5"	—	—	—	1	10'-2"	3'-11"	4'-1"	—	—	—	1	12'-1"
H501	BOTTOM SLAB & WINGWALL	5	2'-9"	2'-9"	—	—	—	1	8'-3"	3'-4"	3'-4"	—	—	—	1	10'-0"	3'-11"	4'-0"	—	—	—	1	11'-11"
H502	BOTTOM SLAB & WINGWALL	5	2'-9"	2'-3"	—	—	—	1	7'-3"	3'-4"	2'-10"	—	—	—	1	9'-0"	3'-11"	3'-6"	—	—	—	1	10'-11"
H503	BOTTOM SLAB & WINGWALL	5	2'-9"	2'-1"	—	—	—	1	6'-11"	3'-4"	2'-8"	—	—	—	1	8'-8"	3'-11"	3'-4"	—	—	—	1	10'-7"
H504	BOTTOM SLAB & WINGWALL	5	2'-9"	1'-11"	—	—	—	1	6'-7"	3'-4"	2'-6"	—	—	—	1	8'-4"	3'-11"	3'-2"	—	—	—	1	10'-3"
H505	BOTTOM SLAB & WINGWALL	5	2'-9"	1'-9"	—	—	—	1	6'-3"	3'-4"	2'-4"	—	—	—	1	8'-0"	3'-11"	3'-0"	—	—	—	1	9'-11"
H506	BOTTOM SLAB & WINGWALL	5	2'-9"	1'-7"	—	—	—	1	5'-11"	3'-4"	2'-2"	—	—	—	1	7'-8"	3'-11"	2'-10"	—	—	—	1	9'-7"
H507	BOTTOM SLAB & WINGWALL	5	2'-9"	1'-5"	—	—	—	1	5'-7"	3'-4"	2'-0"	—	—	—	1	7'-4"	3'-11"	2'-8"	—	—	—	1	9'-3"
H508	BOTTOM SLAB & WINGWALL	5	2'-9"	1'-3"	—	—	—	1	5'-3"	3'-4"	1'-10"	—	—	—	1	7'-0"	3'-11"	2'-6"	—	—	—	1	8'-11"
H509	BOTTOM SLAB & WINGWALL	5	2'-9"	1'-1"	—	—	—	1	4'-11"	3'-4"	1'-8"	—	—	—	1	6'-8"	3'-11"	2'-4"	—	—	—	1	8'-7"
H510	BOTTOM SLAB & WINGWALL	5	2'-9"	0'-11"	—	—	—	1	4'-7"	3'-4"	1'-6"	—	—	—	1	6'-4"	3'-11"	2'-2"	—	—	—	1	8'-3"
H511	BOTTOM SLAB & WINGWALL	5	2'-9"	0'-9"	—	—	—	1	4'-3"	3'-4"	1'-4"	—	—	—	1	6'-0"	3'-11"	2'-0"	—	—	—	1	7'-11"
H512	BOTTOM SLAB & WINGWALL	5	2'-9"	0'-7"	—	—	—	1	3'-11"	3'-4"	1'-2"	—	—	—	1	5'-8"	3'-11"	1'-10"	—	—	—	1	7'-7"
H513	BOTTOM SLAB & WINGWALL	5	2'-9"	0'-5"	—	—	—	1	3'-7"	3'-4"	1'-0"	—	—	—	1	5'-4"	3'-11"	1'-8"	—	—	—	1	7'-3"
H514	BOTTOM SLAB & WINGWALL	5	—	—	—	—	—	—	—	3'-4"	0'-10"	—	—	—	1	5'-0"	3'-11"	1'-6"	—	—	—	1	6'-11"
H515	BOTTOM SLAB & WINGWALL	5	—	—	—	—	—	—	—	3'-4"	0'-8"	—	—	—	1	4'-8"	3'-11"	1'-4"	—	—	—	1	6'-7"
H516	BOTTOM SLAB & WINGWALL	5	—	—	—	—	—	—	—	3'-4"	0'-6"	—	—	—	1	4'-4"	3'-11"	1'-2"	—	—	—	1	6'-3"
H517	BOTTOM SLAB & WINGWALL	5	—	—	—	—	—	—	—	3'-4"	0'-4"	—	—	—	1	4'-0"	3'-11"	1'-0"	—	—	—	1	5'-11"
H518	BOTTOM SLAB & WINGWALL	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3'-11"	0'-10"	—	—	—	1	5'-7"
H519	BOTTOM SLAB & WINGWALL	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3'-11"	0'-8"	—	—	—	1	5'-3"
H520	BOTTOM SLAB & WINGWALL	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3'-11"	0'-6"	—	—	—	1	4'-11"
H521	BOTTOM SLAB & WINGWALL	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3'-11"	0'-4"	—	—	—	1	4'-7"
H522	HEADWALL & WINGWALL	5	2'-7"	1'-4"	—	—	—	1	5'-3"	3'-4"	1'-4"	—	—	—	1	6'-0"	3'-11"	1'-4"	—	—	—	1	6'-7"
S500	BOTTOM SLAB & TOEWALL	5	11'-8"	0'-4"	0'-8"	1'-4"	—	5	14'-0"	15'-2"	0'-4"	0'-8"	1'-4"	—	6	17'-6"	19'-2"	0'-4"	0'-8"	1'-4"	—	6	21'-6"



REINFORCING STEEL LEGEND

MINOR REVISION -- FHWA APPROVAL NOT REQUIRED.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CONCRETE ENDWALL TYPE "SD" WITH STEEL PIPE GRATE
FOR 18" THRU 30" PIPES - 6:1 SLOPE

5-15-00 D-SEW-6DD