REVISION	BY	DATE

MARK	SIZE	NO ①	LGTH FT	LGTH IN	K FT	K IN
72"						
A1	5	2	9	7		
A2	5	2	17	1		
B1	5	4	3	0		
B2	5	4	3	6		
B3	5	4	4	1		
B4	5	4	4	8		
B5	5	4	5	3		
B6	5	4	5	9		
B7	5	4	6	4		
B8	5	4	6	10		
B9	5	24	7	1		
C1	4	2	12	0		
C2	4	2	16	0		
C3	4	2	19	8		
C4	4	2	23	3		
C5	4	2	26	9		
C6	4	4	27	3		
E1	5	2	19	1	14	1
E2	5	2	19	6	14	6
F	4	15	1	9	0	6
G1	4	1	14	2		
G2	4	3	18	2		
G3	4	3	24	2		
G4	4	3	28	2		
H	4	16	11	4	9	2
J1	5	4	3	0		
J2	5	4	4	1		
J3	5	4	5	2		
J4	5	4	6	3		
J5	5	2	7	4		
K1	4	2	2	7		
K2	4	2	4	5		
K3	4	2	6	3		
K4	4	2	8	2		
K5	4	4	8	6		
M	4	37	3	9		
N1	4	7	8	6		
N2	4	7	27	3		
P	5	37	5	3	3	6
Q	5	3	6	10		
R	5	7	2	9		
S1	5	4	3	6		
S2	5	4	6	6		
S3	5	4	8	9		
T1	5	4	2	3		
T2	5	4	4	0		
T3	5	4	5	6		
T4	5	4	6	6		

MARK	SIZE	NO ①	LGTH FT	LGTH IN	K FT	K IN
78"						
A1	5	2	10	2		
A2	5	2	18	3		
B1	5	4	3	2		
B2	5	4	3	9		
B3	5	4	4	4		
B4	5	4	4	11		
B5	5	4	5	5		
B6	5	4	6	0		
B7	5	4	6	6		
B8	5	4	7	1		
B9	5	28	7	8		
C1	4	2	15	4		
C2	4	2	19	0		
C3	4	2	22	8		
C4	4	2	26	2		
C5	4	6	29	3		
E1	5	2	20	3	15	3
E2	5	2	20	8	15	8
F	4	15	1	9	0	6
G1	4	1	16	5		
G2	4	3	20	5		
G3	4	3	26	5		
G4	4	3	30	6		
H	4	16	11	8	9	6
J1	5	4	3	4		
J2	5	4	4	5		
J3	5	4	5	5		
J4	5	4	6	6		
J5	5	2	7	6		
K1	4	2	1	8		
K2	4	2	3	9		
K3	4	2	5	6		
K4	4	2	7	5		
K5	4	6	9	0		
M	4	39	3	9		
N1	4	7	9	0		
N2	4	7	29	1		
P	5	39	5	6	3	9
Q	5	3	7	5		
R	5	8	2	8		
S1	5	1	2	6		
S2	5	4	4	6		
S3	5	4	7	6		
S4	5	4	9	9		
T1	5	4	1	9		
T2	5	4	3	3		
T3	5	4	5	3		
T4	5	4	6	6		
T5	5	4	7	3		

MARK	SIZE	NO ①	LGTH FT	LGTH IN	K FT	K IN
84"						
A1	5	2	10	10		
A2	5	2	19	6		
B1	5	4	3	6		
B2	5	4	4	0		
B3	5	4	4	6		
B4	5	4	5	1		
B5	5	4	5	8		
B6	5	4	6	2		
B7	5	4	6	9		
B8	5	4	7	3		
B9	5	4	7	10		
B10	5	28	8	3		
C1	4	2	14	2		
C2	4	2	18	10		
C3	4	2	21	7		
C4	4	2	25	1		
C5	4	2	28	9		
C6	4	6	31	3		
E1	5	2	21	4	15	4
E2	5	2	21	9	15	9
F	4	17	1	9	0	6
G1	4	2	16	8		
G2	4	3	22	8		
G3	4	3	28	8		
G4	4	3	32	8		
H	4	17	12	4	10	2
J1	5	4	3	6		
J2	5	4	4	7		
J3	5	4	5	8		
J4	5	4	6	8		
J5	5	4	7	9		
K1	4	2	2	9		
K2	4	2	4	8		
K3	4	2	6	6		
K4	4	2	8	6		
K5	4	6	9	8		
M	4	42	3	9		
N1	4	7	9	8		
N2	4	7	32	4		
P	5	42	5	9	4	0
Q	5	3	8	0		
R	5	8	2	10		
S1	5	4	2	6		
S2	5	4	3	3		
T1	5	4	5	3		
T2	5	4	3	3		
T3	5	4	5	3		
T4	5	4	6	3		

MARK	SIZE	NO ①	LGTH FT	LGTH IN	K FT	K IN
84" (CONTINUED)						
T5	5	4	7	9		
90"						
A1	5	2	11	7		
A2	5	2	20	8		
B1	5	4	3	8		
B2	5	4	4	3		
B3	5	4	4	10		
B4	5	4	5	4		
B5	5	4	5	11		
B6	5	4	6	5		
B7	5	4	7	0		
B8	5	4	7	6		
B9	5	4	8	1		
B10	5	30	8	8		
C1	4	2	17	1		
C2	4	2	20	10		
C3	4	2	24	5		
C4	4	2	28	2		
C5	4	2	31	10		
C6	4	6	33	6		
E1	5	2	22	6	17	6
E2	5	2	22	11	17	11
F	4	18	1	9	0	6
G1	4	3	18	6		
G2	4	3	24	6		
G3	4	3	30	6		
G4	4	3	35	0		
H	4	14	13	5	10	9
J1	5	4	4	0		
J2	5	4	5	0		
J3	5	4	6	1		
J4	5	4	7	1		
J5	5	4	8	2		
K1	4	2	2	0		
K2	4	2	3	10		
K3	4	2	5	9		
K4	4	2	7	8		
K5	4	2	9	8		
K6	4	6	10	3		
M	4	45	4	9		
N1	4	8	10	3		
N2	4	8	33	3		
P	6	45	6	6	4	3
Q	5	4	8	7		
R	5	9	3	3		
S1	5	4	2	6		
S2	5	4	5	6		

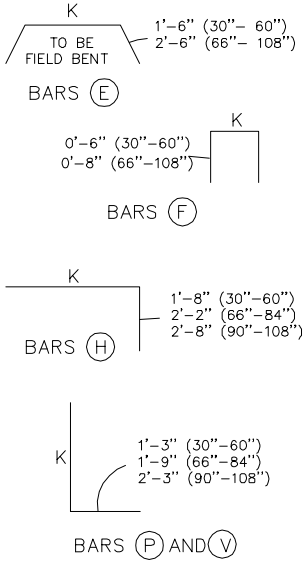
MARK	SIZE	NO ①	LGTH FT	LGTH IN	K FT	K IN
90" (CONTINUED)						
S3	5	4	8	4		
S4	5	4	11	3		
T1	5	4	2	6		
T2	5	4	4	0		
T3	5	4	5	5		
T4	5	4	6	9		
T5	5	4	8	3		
96"						
A1	5	2	12	3		
A2	5	2	21	11		
B1	5	4	4	0		
B2	5	4	4	6		
B3	5	4	4	1		
B4	5	4	5	7		
B5	5	4	6	1		
B6	5	4	6	8		
B7	5	4	7	2		
B8	5	4	7	9		
B9	5	4	8	4		
B10	5	4	8	10		
B11	5	30	9	3		
C1	4	2	16	4		
C2	4	2	20	0		
C3	4	2	23	9		
C4	4	2	27	5		
C5	4	2	31	1		
C6	4	2	34	1		
C7	4	6	35	2		
E1	5	2	23	7	18	7
E2	5	2	24	0	19	0
F	4	19	1	9	0	6
G1	4	3	21	0		
G2	4	3	27	0		
G3	4	3	33	0		
G4	4	3	37	6		
H	4	19	14	0	11	4
J1	5	4	4	1		
J2	5	4	5	1		
J3	5	4	6	2		
J4	5	4	7	2		
J5	5	4	8	3		
J6	5	2	9	3		
K1	4	2	2	11		
K2	4	2	4	10		
K3	4	2	6	10		
K4	4	2	8	8		
K5	4	2	10	8		

MARK	SIZE	NO ①	LGTH FT	LGTH IN	K FT	K IN
96" (CONTINUED)						
K6	4	6	10	10		
M	4	47	4	9		
N1	4	8	10	11		
N2	4	8	35	4		
P	6	44	6	9	4	6
Q	5	4	9	2		
R	5	9	3	5		
S1	5	4	4	4		
S2	5	4	7	5		
S3	5	4	9	5		
S4	5	4	12	2		
T1	5	4	1	6		
T2	5	4	3	6		
T3	5	4	5	9		
T4	5	4	6	6		
T5	5	4	7	6		
T6	5	4	9	0		

NOTES

1. ① NUMBER OF BARS IN ONE HEADWALL.
2. DIMENSIONS ARE O. TO O. OF BARS.
3. ALL BARS ARE STRAIGHT EXCEPT THOSE SHOWN BELOW.

BENT BAR SHAPES



USE WITH CURRENT SD#1 STANDARD DRAWINGS NOS. STM 18.1 THRU 18.10 & 18.12

SANITATION DISTRICT NO. 1
1045 Eaton Drive
Ft. Wright, Kentucky 41017
Ph: (859) 578-7460
Fax: (859) 331-2436

STANDARD DRAWING NO: STM-18.11

DATE: MAY 2010

BILL OF REINFORCEMENT HEADWALLS (72"-96" DIAMETER CIRCULAR PIPE) - 45° SKEW

(STM-18.11)

N.T.S.

(REFERENCE KYTC STANDARD DRAWING RDH-342)