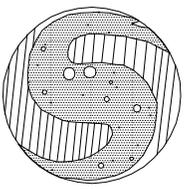| REVISION | BY | DATE | DATE |
|---|---|---|---|
|  |  |  |  |

## DIMENSIONS & QUANTITIES
## HEADWALLS (30"–108" CIRCULAR PIPE)
### 15° SKEW
### (STM-18.2)
### N.T.S.

(REFERENCE KYTC STANDARD DRAWING RDH-212)

USE WITH CURRENT SD#1 STANDARD DRAWINGS NOS. STM 18.1, 18.3 THRU 18.12

DIMENSIONS AND QUANTITIES ARE BASED ON CONCRETE PIPE AND WILL VARY SLIGHTLY FOR ALTERNATE PIPE MATERIALS.

### DIAMETER OF PIPE

| DIMENSION | 30" | 36" | 42" | 48" | 54" | 60" | 66" | 72" | 78" | 84" | 90" | 96" | 102" | 108" |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | 4'-5" | 5'-0" | 5'-7" | 6'-2" | 6'-9" | 7'-4" | 7'-9" | 8'-4" | 8'-11" | 9'-6" | 10'-1" | 10'-8" | 11'-3" | 11'-10" |
| B | 1'-3" | 1'-6" | 1'-9" | 2'-0" | 2'-3" | 2'-6" | 2'-9" | 3'-0" | 3'-3" | 3'-6" | 3'-9" | 4'-0" | 4'-3" | 4'-6" |
| C | 3'-10" | 4'-4" | 4'-11" | 5'-5" | 6'-0" | 6'-6" | 7'-1" | 7'-7" | 8'-2" | 8'-8" | 9'-3" | 9'-9" | 10'-4" | 10'-10" |
| E | 3'-5" | 4'-1" | 4'-9" | 5'-5" | 6'-0" | 6'-8" | 7'-4" | 8'-0" | 8'-8" | 9'-4" | 9'-11" | 10'-7" | 11'-3" | 11'-11" |
| F | 5'-1" | 5'-9" | 6'-5" | 7'-1" | 7'-10" | 8'-6" | 9'-4" | 9'-11" | 10'-7" | 11'-3" | 11'-11" | 12'-4" | 13'-0" | 13'-8" |
| G | 4'-7" | 5'-2" | 5'-9" | 6'-5" | 7'-0" | 7'-7" | 8'-0" | 8'-7" | 9'-3" | 9'-10" | 10'-5" | 11'-1" | 11'-8" | 12'-3" |
| H | 7'-2" | 8'-4" | 9'-6" | 10'-7" | 11'-9" | 12'-11" | 13'-11" | 15'-0" | 16'-2" | 17'-4" | 18'-6" | 19'-7" | 20'-9" | 21'-11" |
| J | 4'-0" | 4'-7" | 5'-2" | 5'-10" | 6'-5" | 7'-0" | 7'-7" | 8'-2" | 8'-9" | 9'-5" | 10'-0" | 10'-8" | 11'-3" | 11'-10" |
| M | 0'-6" | 0'-6" | 0'-6" | 0'-6" | 0'-6" | 0'-6" | 0'-6" | 0'-8" | 0'-8" | 0'-8" | 0'-8" | 0'-8" | 0'-8" | 0'-8" |
| N | 0'-5" | 0'-5" | 0'-5" | 0'-5" | 0'-5" | 0'-5" | 0'-5" | 0'-6" | 0'-6" | 0'-6" | 0'-6" | 0'-6" | 0'-6" | 0'-6" |
| P | 1'-2" | 1'-4" | 1'-6" | 1'-8" | 1'-10" | 2'-0" | 2'-3" | 2'-5" | 2'-7" | 2'-9" | 3'-0" | 3'-2" | 3'-4" | 3'-6" |
| Q | 3'-11" | 4'-6" | 5'-1" | 5'-8" | 6'-3" | 6'-10" | 7'-7" | 8'-2" | 8'-9" | 9'-4" | 9'-11" | 10'-6" | 11'-1" | 11'-8" |
| R | 0'-9" | 0'-9" | 0'-9" | 0'-9" | 0'-9" | 0'-9" | 0'-9" | 0'-9" | 0'-9" | 1'-0" | 1'-0" | 1'-0" | 1'-0" | 1'-0" |
| T | 0'-3.5" | 0'-4.0" | 0'-4.5" | 0'-5.0" | 0'-5.5" | 0'-6.0" | 0'-6.5" | 0'-7.0" | 0'-7.5" | 0'-8.0" | 0'-8.5" | 0'-9.0" | 0'-9.5" | 0'-10.0" |
| V |  | 0'-6" | 0'-6" | 0'-6" | 0'-8" | 0'-8" | 0'-8" | 0'-8" | 0'-8" | 1'-0" | 1'-0" | 1'-0" | 1'-0" | 1'-0" |
| W |  | 0'-8" | 0'-8" | 0'-8" | 0'-10" | 0'-10" | 0'-10" | 0'-10" | 0'-10" | 1'-0" | 1'-0" | 1'-0" | 1'-0" | 1'-0" |
| X |  | ---- | ---- | ---- | ---- | ---- | 2'-0" | 2'-0" | 2'-0" | 2'-6" | 2'-6" | 2'-6" | 2'-6" | 2'-6" |
| Y |  | 2'-0" | 2'-0" | 2'-0" | 2'-6" | 2'-6" | 2'-6" | 2'-6" | 2'-6" | 3'-0" | 3'-0" | 3'-0" | 3'-0" | 3'-0" |
| Z |  | ---- | ---- | ---- | ---- | ---- | 1'-3" | 1'-3" | 1'-3" | 1'-9" | 1'-9" | 1'-9" | 1'-9" | 1'-9" |
| CU.YDS.CONC. HEADWALLS | 3.76 | 4.89 | 6.15 | 7.55 | 9.07 | 10.73 | 21.24 | 23.75 | 26.39 | 29.16 | 35.43 | 38.66 | 42.03 | 45.54 |
| LBS.STEEL HEADWALLS | 399 | 470 | 555 | 644 | 753 | 862 | 1689 | 1912 | 2148 | 2390 | 2937 | 3238 | 3582 | 3852 |