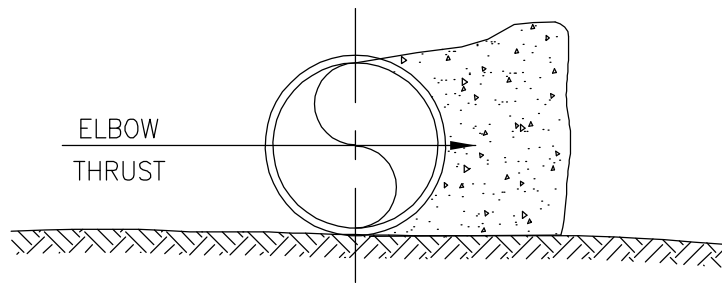


PLAN



SECTION A-A

MINIMUM AREA OF FRICTION BLOCKS *
CUBIC YARDS OF CONCRETE

| ANGLE OF BEND | NOMINAL PIPE SIZE (IN.) | | | | |
|-----------------|-------------------------|----|----|-----|-----|
| | 4" | 6" | 8" | 10" | 12" |
| 11-1/4° | 1 | 1 | 2 | 3 | 4 |
| 22-1/2° | 1 | 2 | 4 | 5 | 7 |
| 45° | 2 | 4 | 7 | 10 | 13 |
| 90° | 4 | 7 | 12 | 17 | 24 |
| TEE OR DEAD END | 3 | 5 | 9 | 13 | 18 |

*BASED ON 0.3 SOIL FRICTION

ANCHOR BLOCKING
NOT TO SCALE



VILLAGE OF INDIAN HILL
DEPARTMENT OF WATER WORKS

APPROVED *[Signature]*
DATE November 2011

STANDARD
RESTRAINT DETAILS

DRAWING NO.

WW-128