

1/2" OF GROUT OVER
FOUR INCH BRICK
COURSE AT EACH
END OF CASING

PUSH-ON
SINGLE
GASKET OR
MECHANICAL
JOINT PVC
OR DUCTILE
IRON
CARRIER
PIPE

STEEL CASING PIPE
(SEE TABLE BELOW
FOR SIZE AND WALL
THICKNESS)

1" STEEL BAND

NEOPRENE OR PVC
RUNNER (TYP)

HARNES LUGS
WELDED TO CASING
BOTH ENDS, IN
ACCORDANCE WITH
AWWA C206

TIE RODS
AND CLAMPS

NOTES:

1. RUNNER LENGTH TO BE 75% OF LAYING LENGTH.
2. HARNES LUGS TO BE INSULATED FROM DUCTILE IRON PIPE.

SLED DETAIL

CARRIER PIPE NOMINAL DIAMETER	CASING PIPE		MINIMUM RUNNER SIZE
	MINIMUM OUTSIDE DIAMETER	MINIMUM WALL THICKNESS	
4"	12"	0.188"	2" x 4"
6"	16"	0.250"	2" x 4"
8"	18"	0.282"	2" x 4"
12"	22"	0.344"	2" x 4"
16"	28"	0.406"	2" x 6"
20"	32"	0.469"	2" x 6"

NOTES:

1. TREATED REDWOOD RUNNERS MAY BE USED AS AN ALTERNATIVE TO NEOPRENE OR PVC.
2. TRENCH LAID CASINGS SHALL BE DESIGNED AND INSTALLED TO CONDUIT STANDARDS.
3. RUNNERS SHALL BE PROVIDED TO MAINTAIN MINIMUM DESIGNED PIPE SLOPE.
4. THE SPACE BETWEEN THE OUTSIDE OF THE CARRIER PIPE AND THE INSIDE OF THE CASING SHALL BE FILLED WITH CLEAN DRY BLOWN SAND.

OVERALL PIPE
JOINT DIMENSION

CARRIER PIPE

1" STEEL BANDS
(3 PER SLED)

90°

STEEL CASING PIPE

90°

90°

NEOPRENE OR
PVC RUNNERS
(TYP)

45°

90°

PIPE CASING SECTION

2625

BORE CASING

NOT TO SCALE

UPPER THOMPSON SANITATION DISTRICT

BORE CASING

STANDARD DETAIL NO. 2625



Upper Thompson Sanitation District
2196 Mall Road
Estes Park, Colorado 80517
Phone: 970.586.4544