



PLAN VIEW

Sequence of Installation

1. Saw cut 3'x6' hole in asphalt, if required.
2. MWWSSB to isolate section of water main and bleed off water pressure.
3. Excavate to top of pipe.
4. Excavate below pipe 2'x6'x18" under the pipe.
5. Tunnel on each pipe end for cap install leaving 2' clear space between caps.
6. Cut out approximately 2'-4" of existing main.
7. Install cap on abandoned side and bolt down tight.
8. Install two sets of blocking w/ bricks to support DI pipe brace.
9. Install cap on live side by seating the gasket, pull up the gland, & hand tighten bolts, then tighten all bolts with one round only with wrench (OK if water is seeping out of cap).
10. Cut a piece of 4" DI pipe to length with a 1/4" gap between DI pipe brace and live end cap.
11. While water remains on, contractor will tighten gland on live side all the way to ensure leak free connection.
12. MWWSSB to turn on valve slowly to hear filling, once water is increasing out of the cap and line is filling, cap on live side will move slightly to fill 1/4" gap between DI pipe brace and live end cap.
13. While water remains on, contractor will tighten gland on live side all the way to ensure leak free connection.
14. Clean water and debris out of the hole.
15. Plywood form live side for concrete pour, notching plywood for cap, to keep concrete off nuts/bolts of cap.
16. Pour concrete thrust block (3" slump on concrete) in 4" to 6" lifts. At 9" of concrete under the pipe, add 3 bars of #5 rebar five feet in length equally spaced, and then continue concrete pour. Between each lift of concrete, backfill live side of form with 4" to 6" lifts of sand/backfill material alternating heights on either side of the form to keep form from falling over until concrete is 3" above highest iron (cap or megalug).
17. Cure concrete minimum 24 hours before backfilling.
18. Backfill.



WATER
WORKS & SANITARY SEWER BOARD
Montgomery Alabama

MISCELLANEOUS DETAILS

TITLE: REINFORCED THRUST BLOCK
DEADMAN W/O RODS, (MAX 12"
Diameter)

DRAWING NO.:

166

DESIGNED:

EB

DATE:

04/18

SCALE:

NOT TO SCALE

CHECKED:

HR

REVISED: