NOTE: PIPE SHALL BE BEDDED UP TO
SPRING LINE AND MINIMUM 4" BELOW
BOTTOM OF PIPE WHEN WET AREAS ARE
ENCOUNTERED.

HAND PLACED
DENSELY COMPACTED
BACKFILL TO 1 FT.
ABOVE TOP OF PIPE

BEDDED PIPE

SHAPED SUBGRADE
SHALL PROVIDE BEARING
ALONG ENTIRE LENGTH
OF PIPE BARREL

UNDISTURBED EARTH

ELECTRONIC MARKER BALLS AT 100' ON
CENTER & AT BENDS. MARKER BALLS SHALL
BE INSTALLED AT 1 1/2 TO 2' DEEP.

NOTE: MARKER BALLS SHALL BE INSTALLED
CONCURRENTLY WITH PIPE. MARKER
BALLS SHALL NOT BE INSTALLED AFTER
TRENCH HAS BEEN COMPLETELY
BACKFILLED.

NOTE:
FORCE MAINS 8"Ø AND SMALLER SHALL
HAVE MINIMUM OF 3' COVER. FORCE
MAINS LARGER THAN 8"Ø SHALL HAVE A
MINIMUM OF 3'-6" COVER.

FORCE MAIN
PIPE LAYING
CONDITION "E"

PIPE LAYING CONDITION
NOT TO SCALE