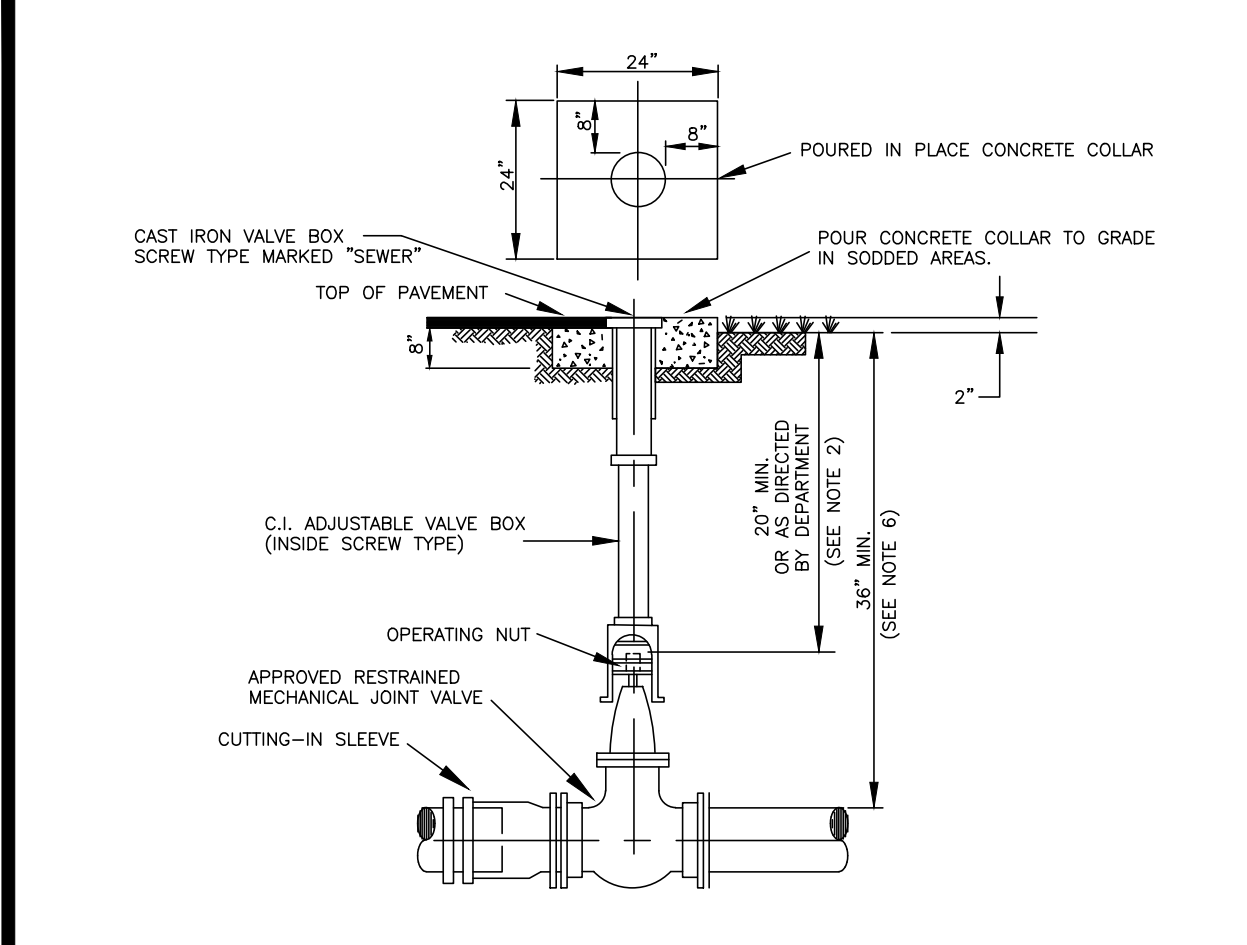
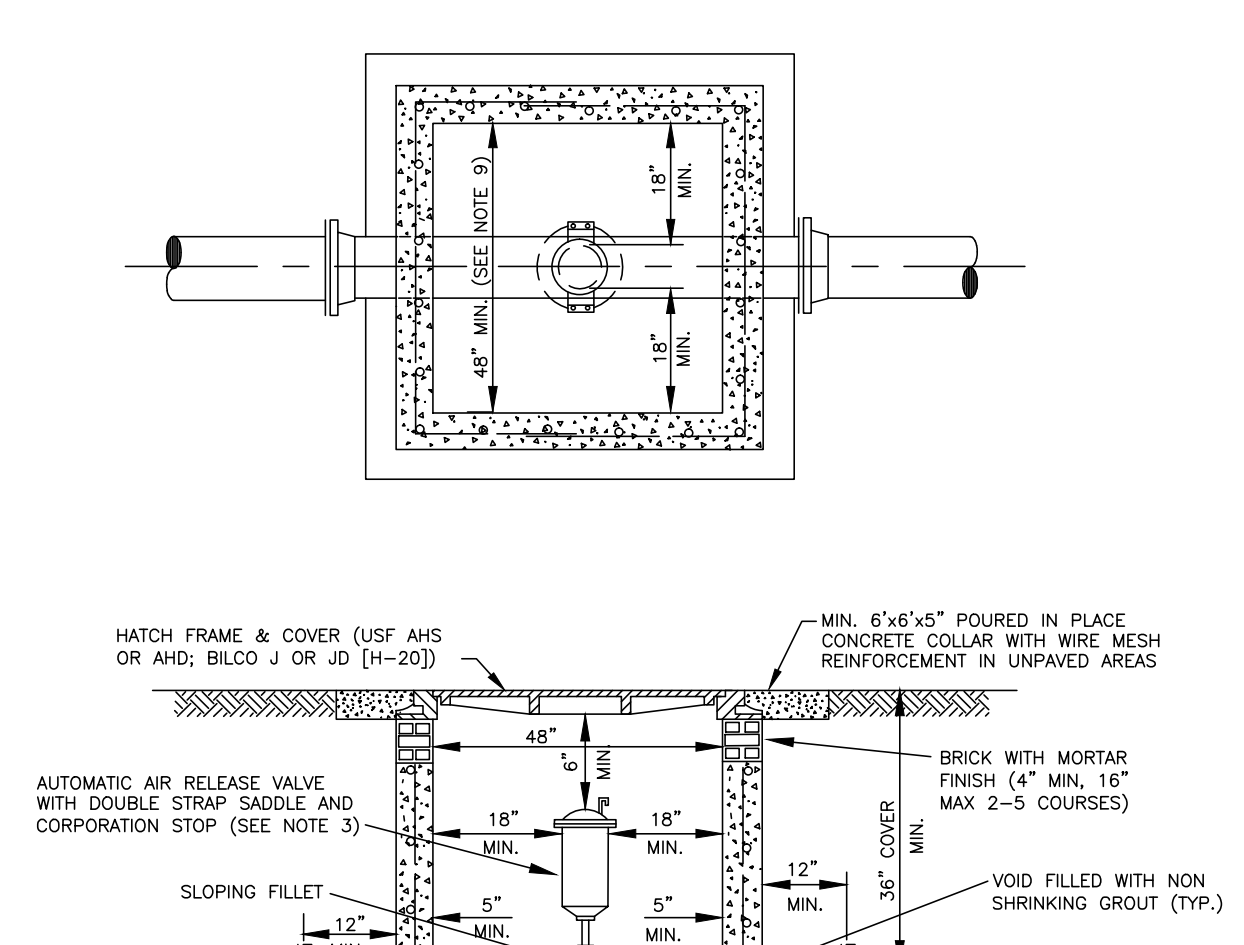


CONNECTION OF PRIVATE FORCE MAIN UNDER 4" IN DIAMETER 37S

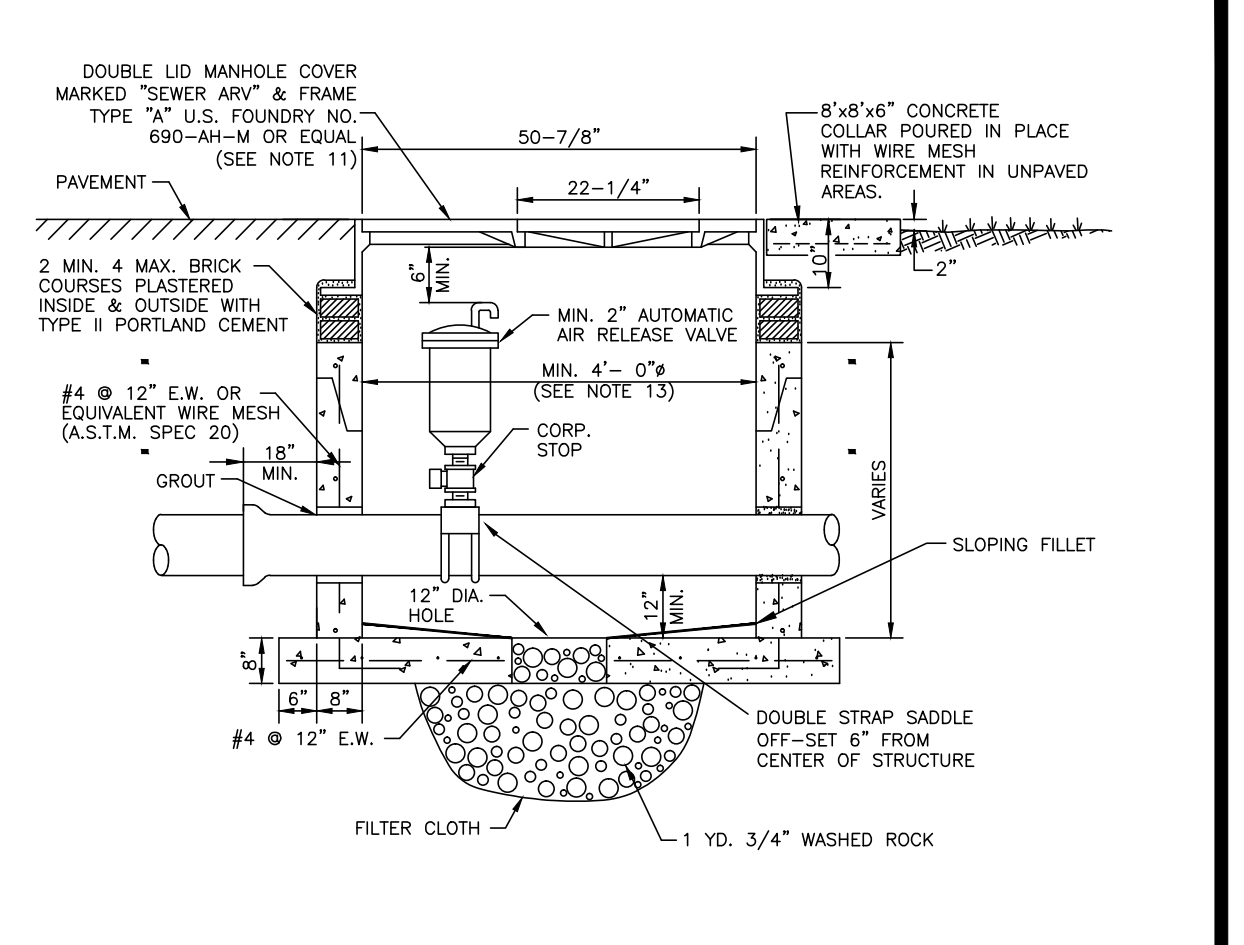
TYPICAL FORCE MAIN GATE VALVE SETTING AND CUT-IN DETAIL 38S



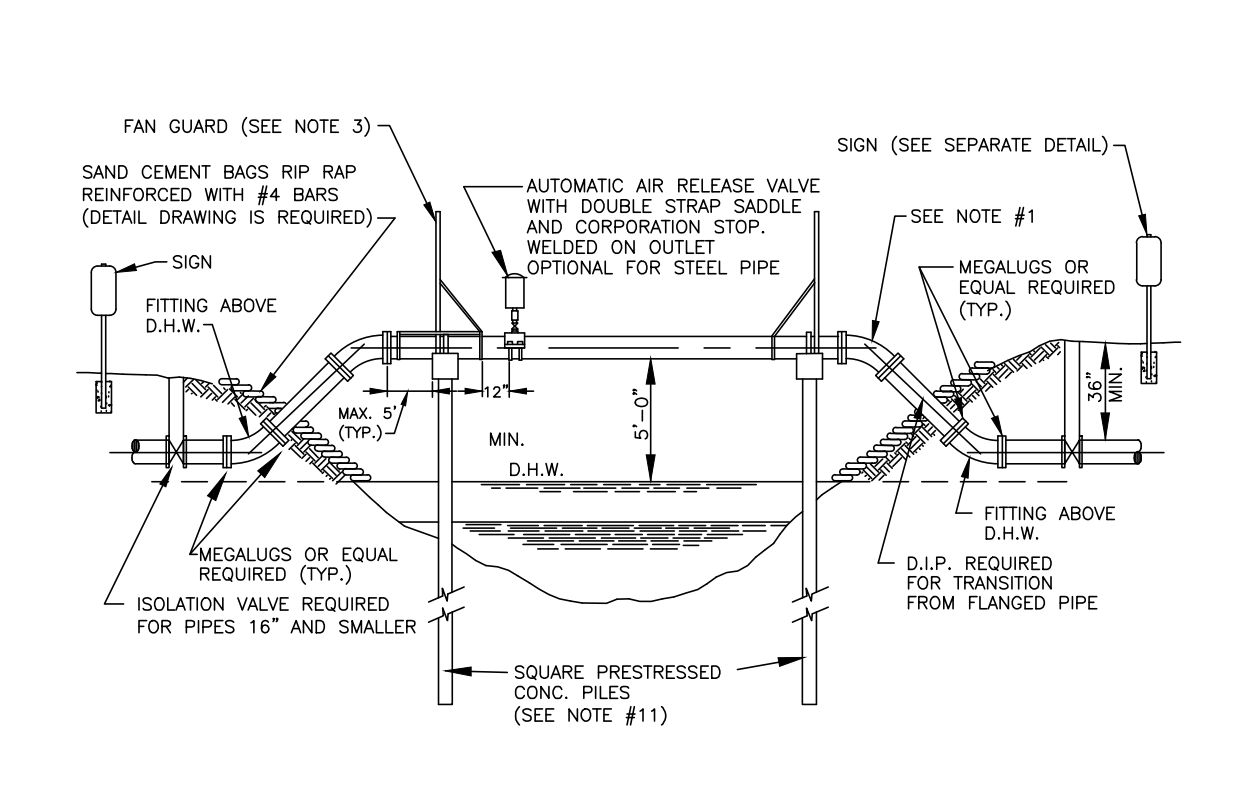
FORCE MAIN AIR RELEASE VALVE AND VAULT OUTSIDE OF R/W, NON-TRAFFIC AREAS OUTSIDE OF R/W 39S



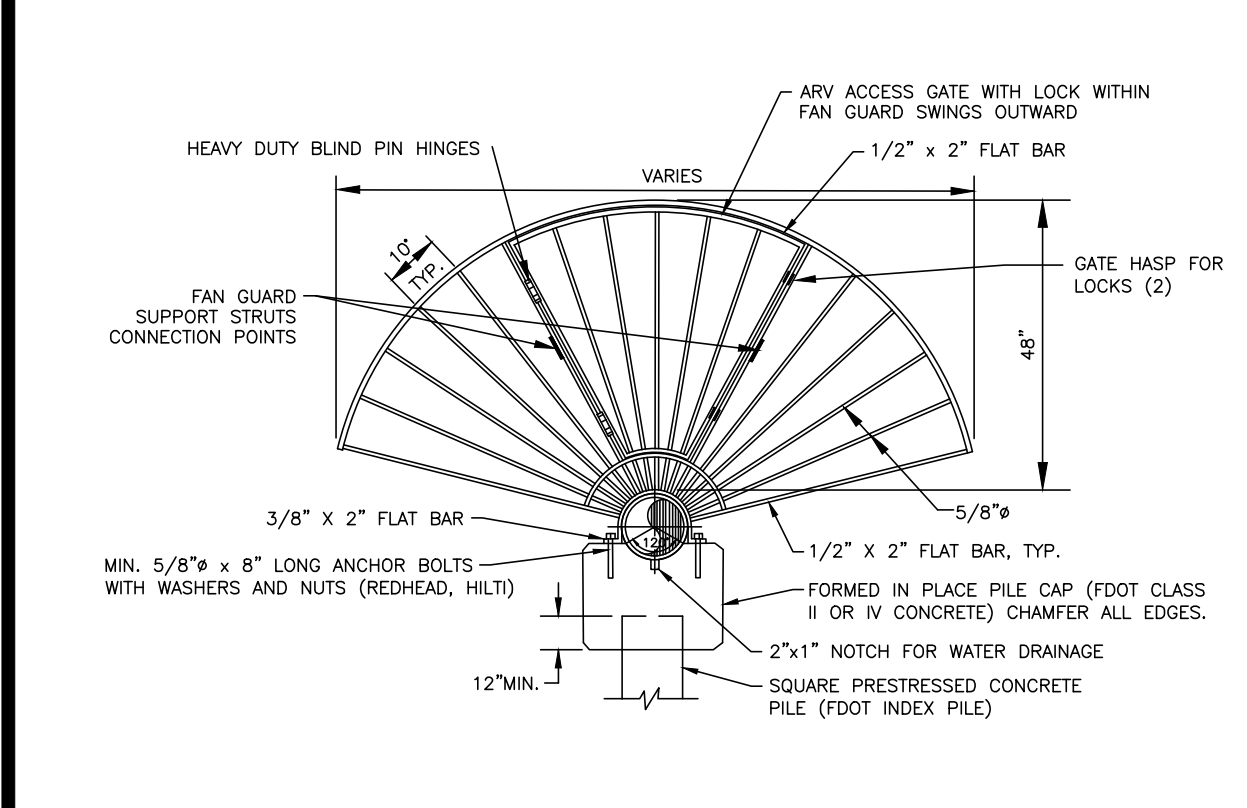
FORCE MAIN AIR RELEASE VALVE AND MANHOLE IN PAVED AREAS AND ROAD R/W 40S



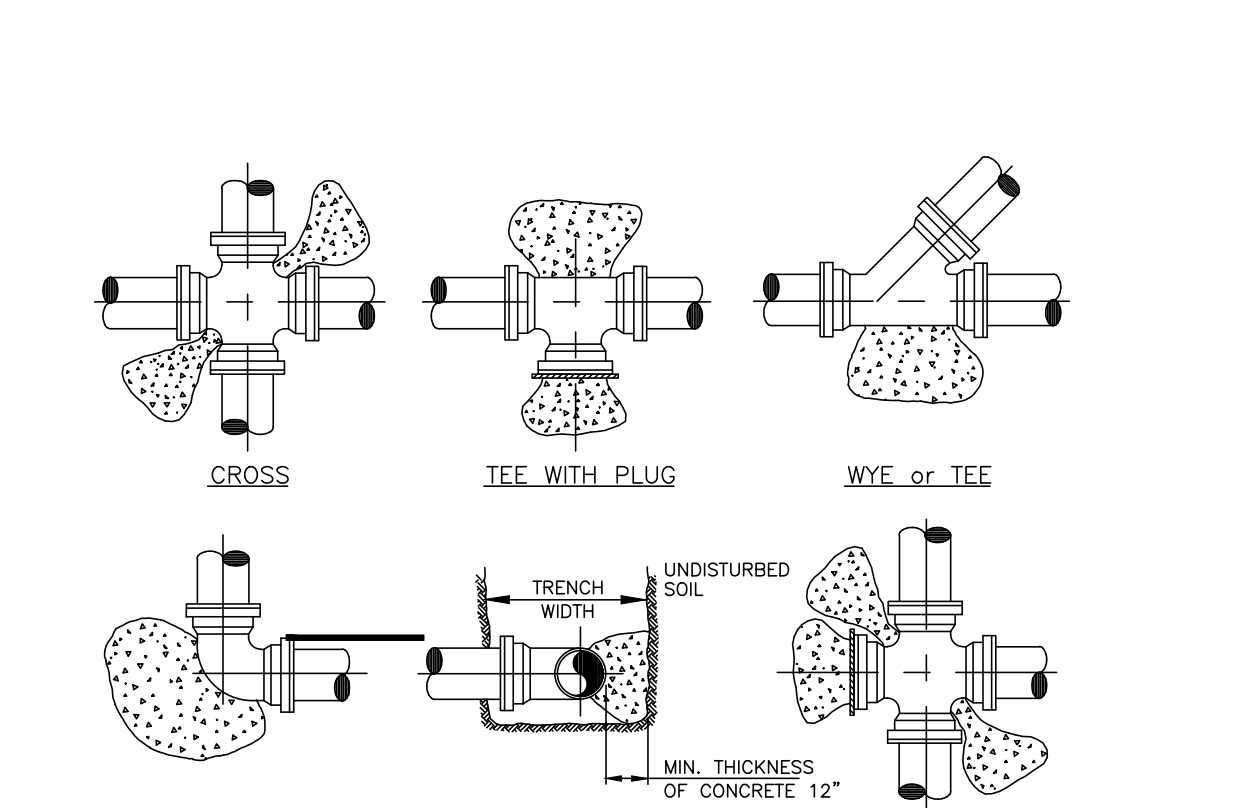
MECHANICAL THRUST RESTRAINT MINIMUM PIPE LENGTHS (FORCE MAINS) 41S



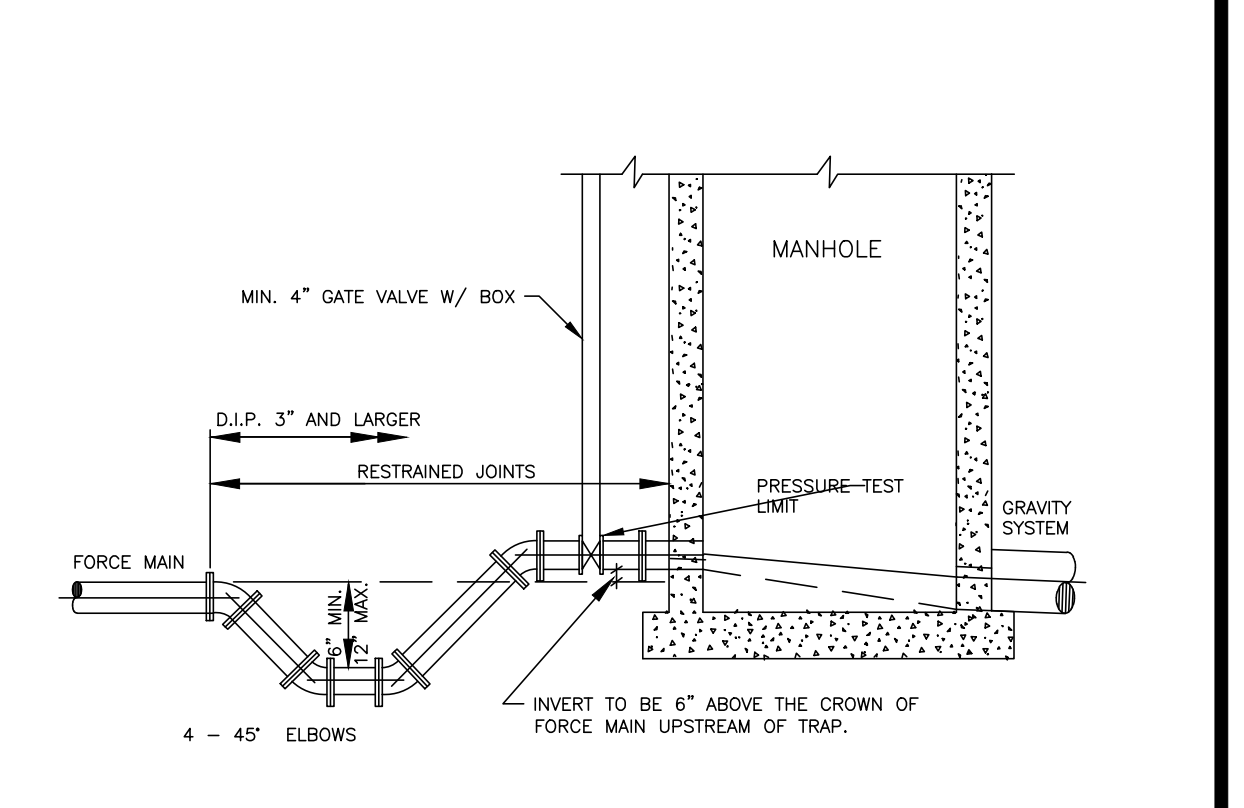
TYPICAL FORCE MAIN AERIAL CANAL CROSSING - SINGLE PIPE (SINGLE PILES) 45S



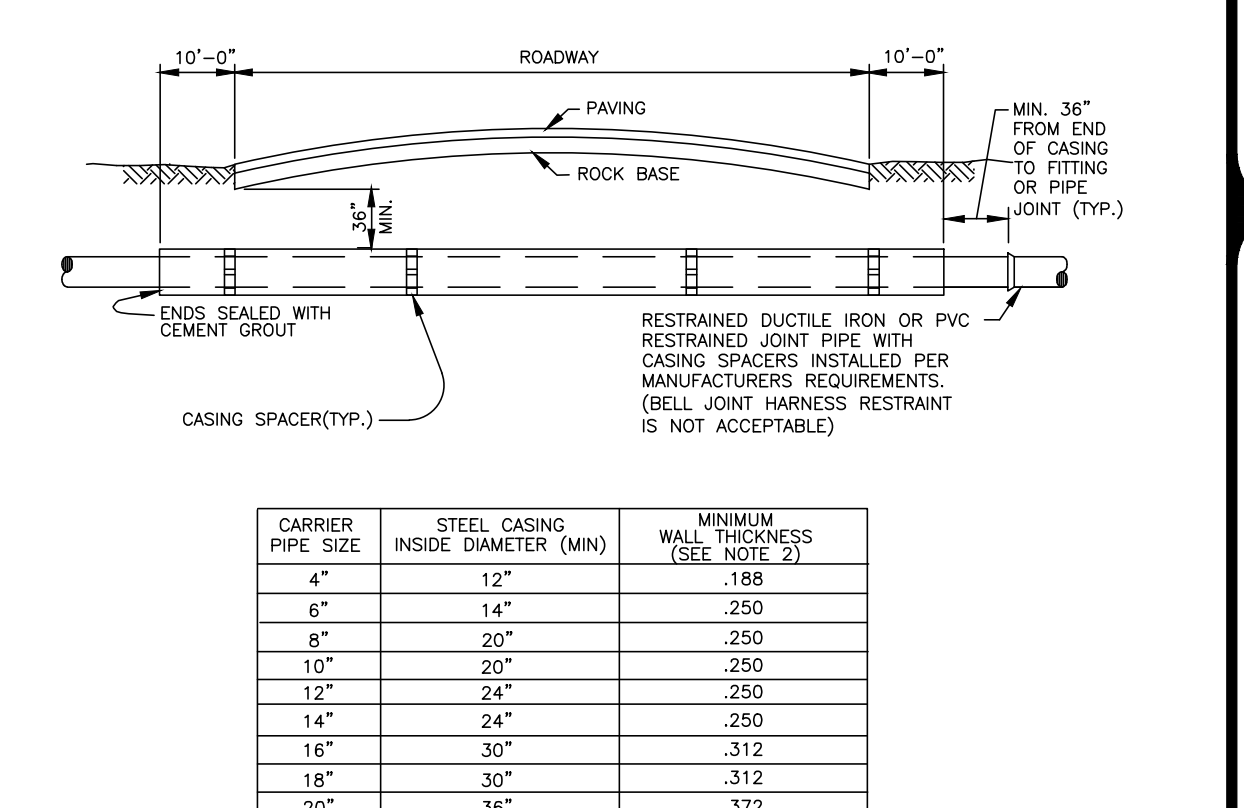
FAN GUARD/ PILE CAP DESIGN - SINGLE PIPE (SINGLE PILES) 46S



TYPICAL THRUST BLOCKS FOR PRESSURE PIPING 42S



FORCE MAIN ENTERING MANHOLE 43S



WASTEWATER MAIN CASING INSTALLATION 44S

WASTEWATER #5 STANDARD DETAILS

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DESIGNED BY: WUD
DRAWN BY: WUD
CHECKED BY: A. GALICKI
APPROVED BY: WUD

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