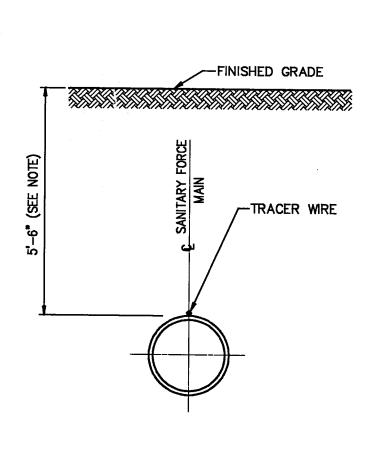
PAVEMENT REPAIR DETAILS

SCALE: NONE



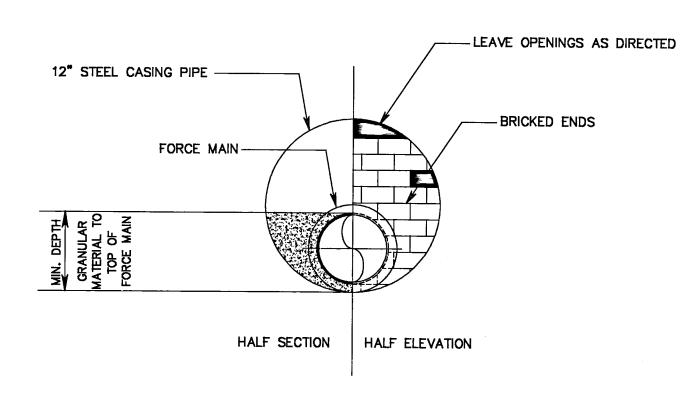
- DETECTABLE MARKER -FINISHED GRADE PAVEMENT REPLACEMENT OR TOPSOIL IN SEEDED AREAS TRACER WIRE 변통방등 (FORCE MAIN ONLY) 본분호 TRENCH WIDTH = PIPE O.D. + 1'-0"

DIRECTIONAL BORE DETAIL

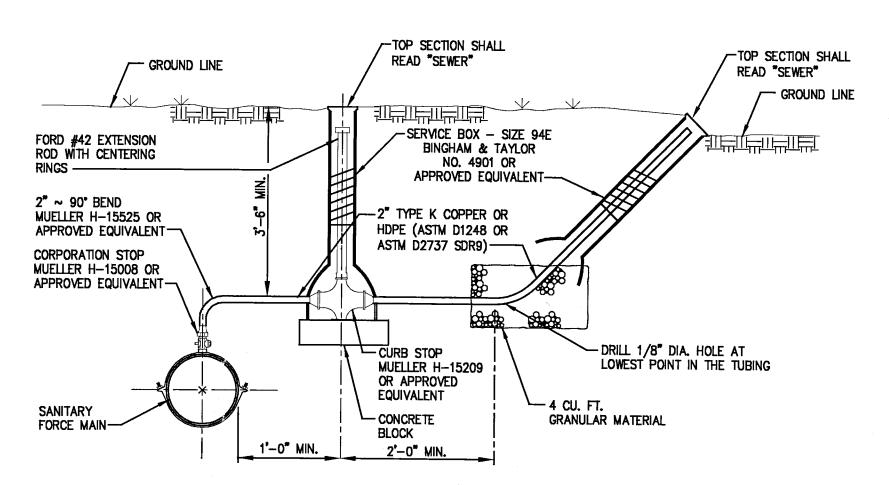
TRENCH DETAIL

SANITARY FORCE MAIN INSTALLATION

5'-6" IS THE NORMAL INSTALLATION DEPTH UNLESS NOTED OTHERWISE. THE DEPTH MAY BE LOWERED TO AVOID SANITARY HOUSE SERVICE LATERALS, STORM DRAINS, AND OTHER OBJECTS. THE FORCE MAIN SHALL BE CONSTRUCTED UNDER ALL WATER LINES BY A MINIMUM OF 1'-6"



CASING PIPE DETAIL



MANUAL AIR RELEASE VALVE

WATERTIGHT MANHOLE FRAME WITH BOLTED LID MARKED 'AIR RELEASE VALVE'. CHIMNEY SEAL NOT REQUIRED. - NEENAH R-1915-G, TYPE F (OR EQUAL). FINISHED GRADE -MANHOLE STEP-2" COMBINATION AIR RELEASE VALVE, ARI D-020 OR EQUAL. PROVIDE SUPPORT AND BRACING 48" DIA. PRECAST CONC. MANHOLE W/ FLAT TOP. AS REQUIRED. COMPONENTS ASTM C-478 ~2* SHUTOFF VALVE RESILIENT GASKET, ASTM C-923-ROTATE ALL VALVES AS REQ'D. TO PROVIDE EASY ACCESS TO OPERATOR HANDLES. FORCE MAIN OUTLET TEE, PIPING AND VALVES ARE INCLUDED IN UNIT PRICE BID FOR VARIOUS AIR RELEASE VALVE ASSEMBLIES. - TEE WITH FLANGED OR THREADED OUTLET FOR 2" PIPE, PROVIDE CONCRETE SUPPORT UNDER TEE. CONTRACTOR SHALL FIELD LOCATE ALL AIR RELEASE VALVES AT THE ACTUAL HIGH POINT OF THE FORCE MAIN. LOCATIONS SHOWN IN PLAN

AND/OR PROFILE DRAWINGS ARE ONLY COMBINED AIR RELEASE **VALVE INSTALLATION** NOT TO SCALE

URS ARCHITECTS • ENGINEERS • PLANNERS 277 W. NATIONWIDE BLVD. COLUMBUS, OHIO 43215 (614) 464-4500 Fax: 464-0588

DATE	DATE ISSUED FOR BIDDING: ADDENDUM REVISIONS				DATE ISSUED FOR CONSTRUCTION:			
					REVISIONS			
No.	DESCRIPTION	DATE	BY	No.	DESCRIPTION	DATE	BY	
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			-	DATE	ISSUED FOR RECORD DRAWINGS:	<u> </u>		

GAMBRO HEALTHCARE LIFT STATION & FORCE MAIN

APPŔOXIMATE

MISCELLANEOUS DETAILS

	DATE	October 2003	
	JOB No.	14572464	
	DRAWN	MAL	
	CHECKED	FJS	
_	SCALE	NONE	

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