



NOTE

1. THIS STANDARD DRAWING IS INTENDED TO DEMONSTRATE GENERAL ARRANGEMENT AND COMPONENTS OF WATERMAIN AND PRESSURE PIPE SYSTEMS CROSSING THE LRT UFZ.
2. THE UTILITY FREE ZONE DIMENSIONS ARE DETERMINED BY THE TRANSIT SYSTEM DESIGNERS AND ARE SUBJECT TO CHANGE BASED ON FINAL LRT STANDARD REQUIREMENTS.
3. THE LOWERING DETAIL SHOWN IS FOR EXAMPLE PURPOSED ONLY. LOWERING AND CROSSING DESIGN DETAILS ARE DETERMINED ON A CASE BY CASE BASIS.
4. TEST STATIONS SHALL BE PLACED OUTSIDE OF THE UTILITY FREE ZONE AND TRANSIT SYSEM ENVELOPE. THE TEST STATIONS SHOULD BE PLACED IN A LOCATION THAT DOES NOT REQUIRE TRAFFIC CONTROL FOR TESTING ACCESS AND WHERE THEY DO NOT INTERFERE WITH OR PRESENT A HAZARD TO PEDESTRIAN OR VEHICULAR TRAFFIC.
5. BOND ALL METALLIC PIPE 30m BEYOND RAIL (MIN.) OR TO ROW LIMITS.
6. INSTALL TEST STATION LEADS IN SCHEDULE 40 PVC CONDUIT.
7. WHERE PIPE CANNOT BE LOWERED, REPLACE AND ENCASE IN EXISTING LOCATION.
8. CASING SHALL BE NON-METALLIC WHERE REASONABLE.

PREFERRED PIPE MATERIAL FOR RAIL CROSSINGS BASED ON EXISTING PIPE BEYOND RAIL CORRIDOR		
EXISTING PIPE MATERIAL	PREFERRED MATERIAL	
	< 400mm Ø	> 400mm Ø
PRESTRESSED CONCRETE CYLINDER PIPE (PCCP)	BONDED PCCP	BONDED PCCP
POLYVINYL CHLORIDE (PVC)	PVC	PVC
DUCTILE IRON (DI)	PVC	DI
CAST IRON (CI)	PVC	DI



**PUBLIC WORKS
STANDARD DRAWING**

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WT

AECOM

STD. DWG. NUMBER

SCALE

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N.T.S.

TYPICAL PRESSURE PIPE LOWERING DETAIL