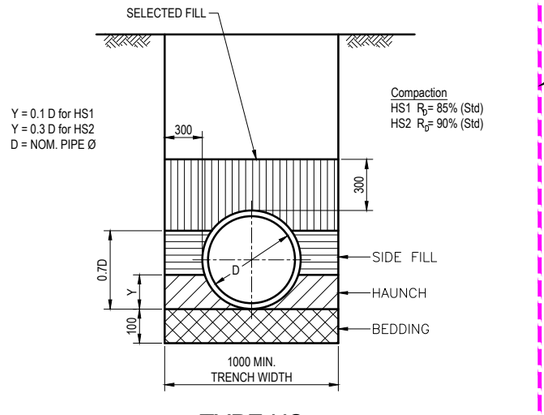
STRUCTURE NAME
STRUCTURE DESCRIPTION



TYPE HS

PIPE CLASS & TRENCH DETAIL HAS BEEN CHECKED USING AN APPROPRIATE METHOD CONFORMING TO *AS/NZS 3725:2007* SUCH AS THE CONCRETE PIPE ASSOCIATION OF AUSTRALASIA PROGRAM 'PipeClass' v2.0 (OR LATER). CONSTRUCTION LOADS APPLIED WERE:

A) SCRAPER - CAT621F (53.8T)

B) EXCAVATOR - CAT325B (25.9T)

C) COMPACTOR - CAT815F (20.9T)

D) EXCAVATOR WITH 580mm WIDE ROLLER (25.0T)

IF THE CONTRACTOR USES DIFFERENT OR HEAVIER EQUIPMENT THAN SHOWN ABOVE, THE CONTRACTOR SHALL BE REQUIRED TO DETERMINE IF THE CLASS OF PIPE FOR THIS PROJECT IS ADEQUATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL COSTS INCURRED AS A RESULT.

ADOPTED MINIMUM FILL DEPTH OF 700mm DURING CONSTRUCTION.

NO MORE THAN TWO (2) WEEKS BEFORE ON-MAINTENANCE INSPECTION, THE CONTRACTOR SHALL UNDERTAKE A CCTV DEFECT/CONDITION INSPECTION WITH WINCAN REPORT (TO BE SUBMITTED TO COUNCIL) TO DEMONSTRATE THAT THE STORMWATER SYSTEM IS ACCEPTABLE TO COUNCIL.

FOR DEFECT CRITERIA REFER TO REFERENCE SPECIFICATION FOR CIVIL ENGINEERING WORKS S160 DRAINAGE FOR THE ACCEPTANCE, REPAIR OR REJECTION OF NEWLY CONSTRUCTED STORMWATER PIPELINES.

UNACCEPTABLE DEFECTS ARE TO BE RECTIFIED BY THE CONTRACTOR AT THEIR OWN EXPENSE BEFORE ACCEPTANCE OF WORKS AT OFF-MAINTENANCE.

PIPE TYPE or MATERIAL	FRCP	SRCP
PIPE SIZE mm	300	375
PIPE CLASS - BEDDING CONFIGURATION	3 - HS2	3 - HS2
PIPE OWNER	PVT	BCC
PIPE GRADE %	2.80%	0.40%
PIPE SLOPE 1 in X	35.78	249.99

LONGITUDINAL SECTION INFORMATION

STORMWATER LONGITUDINAL SECTION

PIPE SUPPORT/BEDDING CONFIGURATION AS DEFINED IN *AS/NZS3725*

EXAMPLE DESIGN CONSTRUCTION COMPACTION EQUIPMENT/LOADS AND ALTERATION OBLIGATIONS

'ON-MAINTENANCE' AND CCTV INSPECTION REQUIREMENTS

DETAIL ON LONGITUDINAL SECTION SHOWING:
- PIPE TYPE OR MATERIAL (FRCP/SRCP/FLEXIBLE)
- PIPE Ø
- PIPE CLASS (DETERMINED BY CONSTRUCTION LOADS OR IN-SERVICE LOADS WHICHEVER IS MORE SEVERE)
- BEDDING TYPE

SHOW PIPE ULTIMATE PIPE/ASSET OWNERSHIP:
- BCC (BRISBANE CITY COUNCIL)
- TMR (QUEENSLAND DEPARTMENT OF TRANSPORT AND MAIN ROADS)
- QR (QUEENSLAND RAIL)
- PVT (PRIVATE)
- OTH (OTHER - ENTITY NOT SHOWN ABOVE)

NOTES:

1. DETAILS SHOWN ARE TYPICAL LAYOUT ONLY - ACTUAL DETAILS WILL VARY ON A PROJECT TO PROJECT BASIS.
2. DETAILS THAT MUST BE SHOWN INCLUDE:
   - BEDDING TYPE (DIAGRAM AND/OR DESCRIPTION);
   - DESIGN CONSTRUCTION/COMPACTION EQUIPMENT/LOADS UTILISED;
   - DESIGN UTILITY/SOFTWARE USED;
   - OBLIGATIONS IF DESIGN CONSTRUCTION/COMPACTION EQUIPMENT/LOADS ARE ALTERED;
   - CCTV INSPECTION AND REPORTING REQUIREMENTS.
3. PIPE DETAILS ON LONG SECTION CLEARLY SHOWS PIPE TYPE/MATERIAL, PIPE Ø/SIZE, PIPE CLASS, BEDDING TYPE AND ULTIMATE PIPE/ASSET OWNERSHIP.
4. ACCEPTABLE PIPE LOAD DESIGN SOFTWARE FOR REINFORCED CONCRETE PIPE (FRCP/SRCP):
   - PipeClass: DEVELOPED BY CONCRETE PIPE ASSOCIATION OF AUSTRALASIA (www.cpaa.org.au).
5. MINIMUM PIPE COVER FOR TYPICAL CONSTRUCTION AND COMPACTION EQUIPMENT TO BE SHOWN ON DESIGN DRAWINGS.
6. FOR FLEXIBLE (POLYETHYLENE/POLYPROPYLENE) PIPE TYPES, REFER MANUFACTURERS REQUIREMENTS FOR DESIGN AND CONSTRUCTION LOADINGS.
7. ALL DIMENSIONS IN MILLIMETRES (U.N.O.).

BRISBANE CITY COUNCIL STANDARD DRAWING

CONSTRUCTION LOADING TYPICAL DETAIL REQUIREMENTS FOR LONG SECTION DRAWINGS

PUBLISH DATE	
MAR 2021	
SCALE	
NOT TO SCALE	
DRAWING NUMBER	
BSD-8003	
ORIGINAL SIZE	REVISION
A3	C