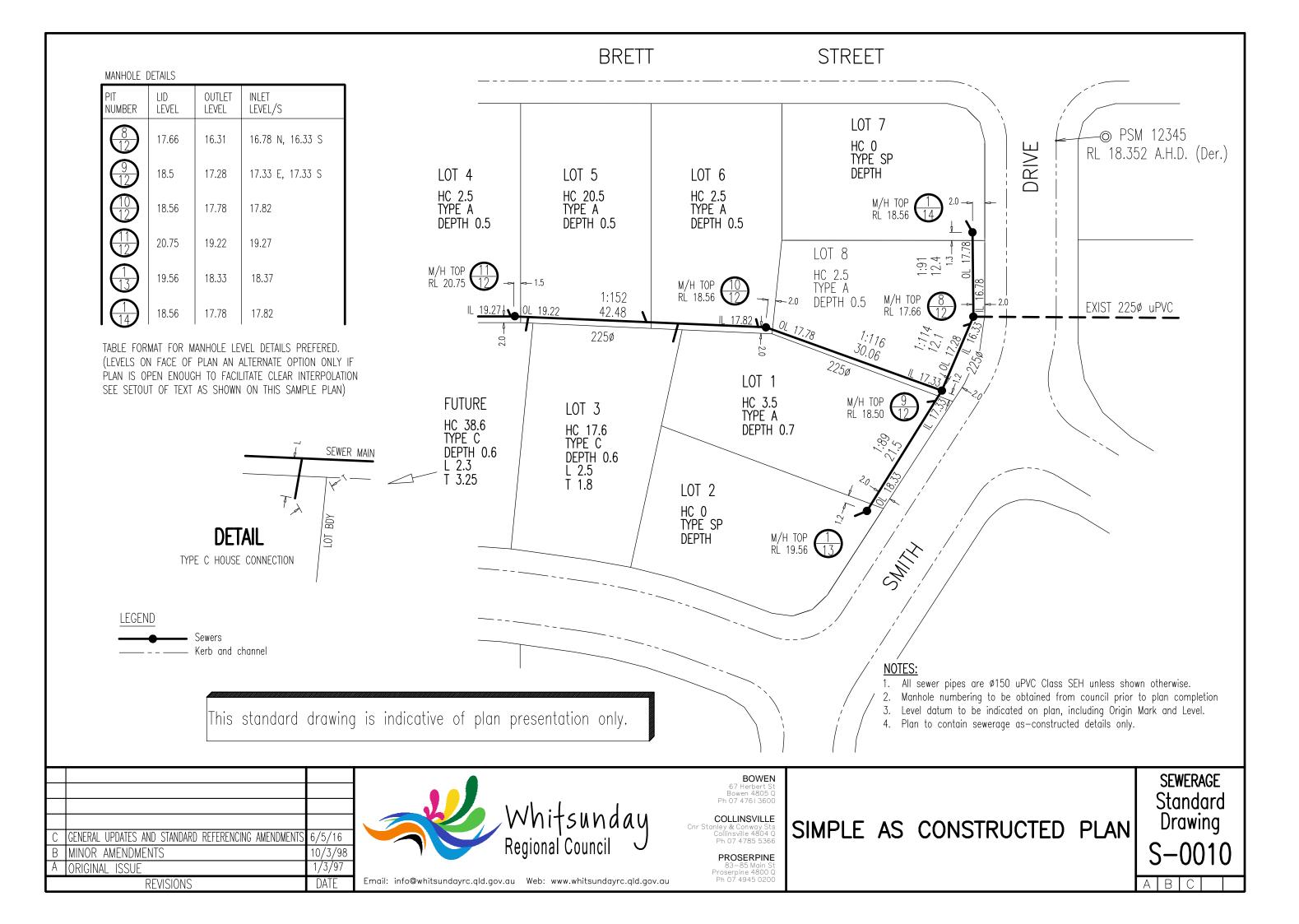
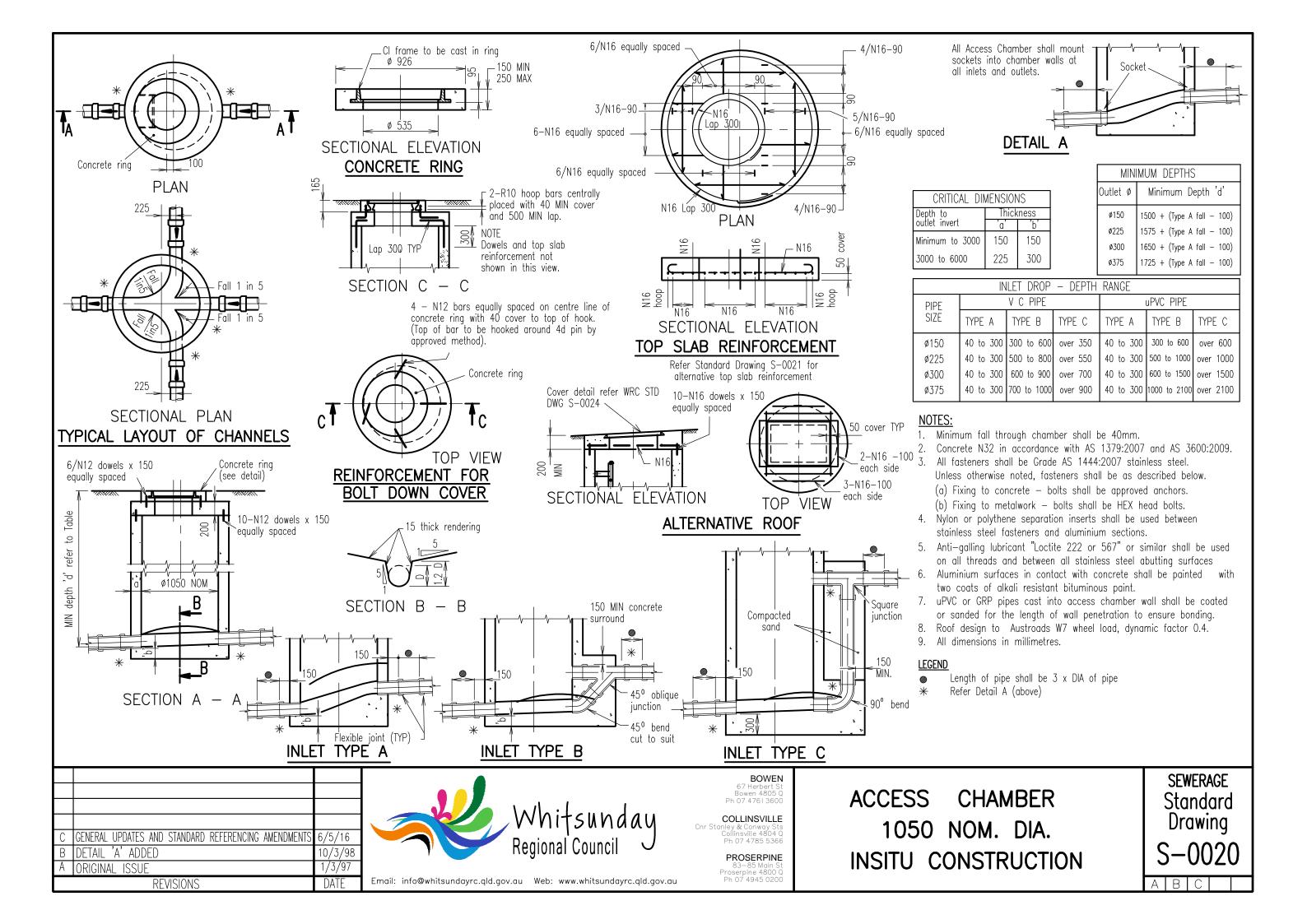
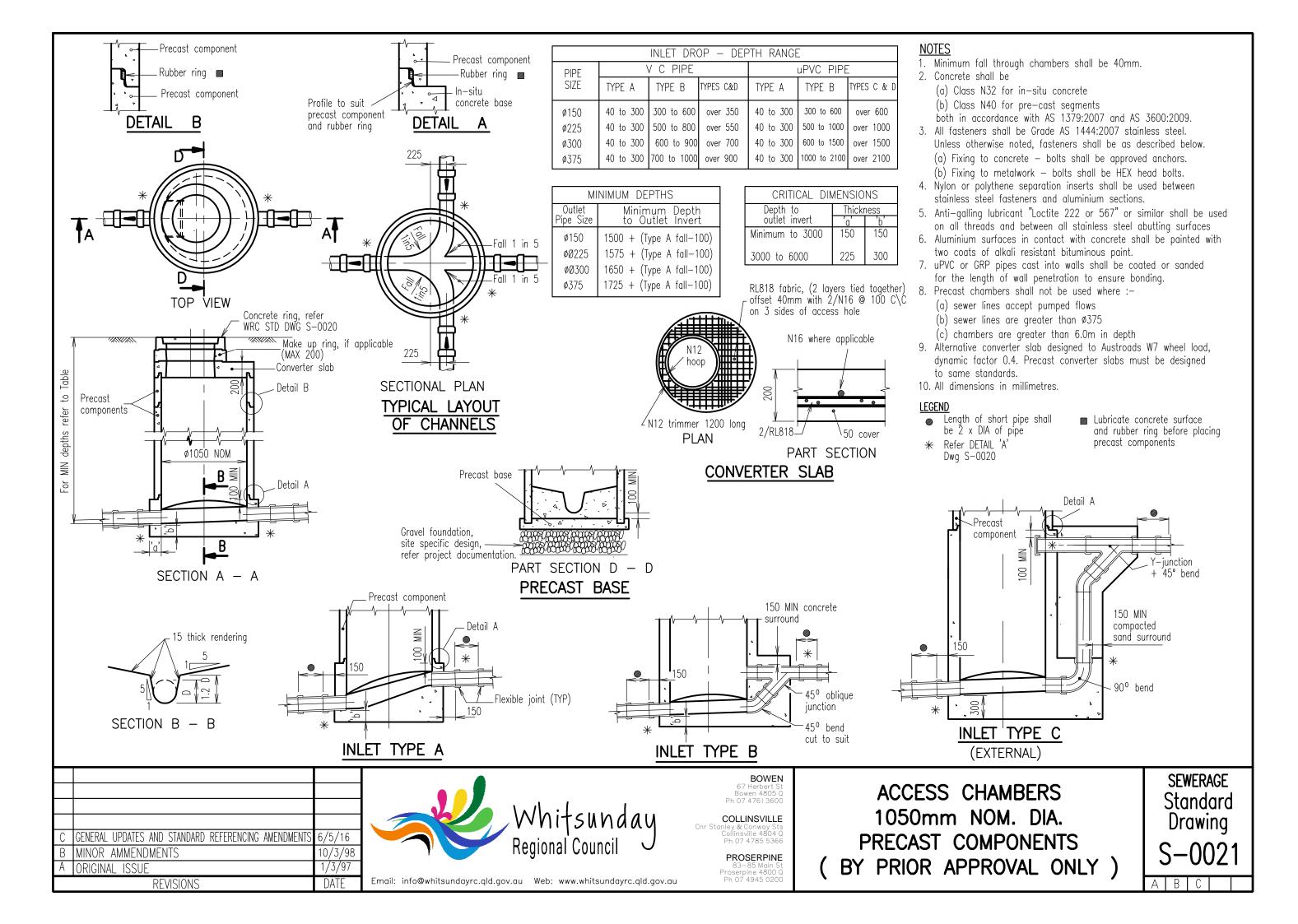
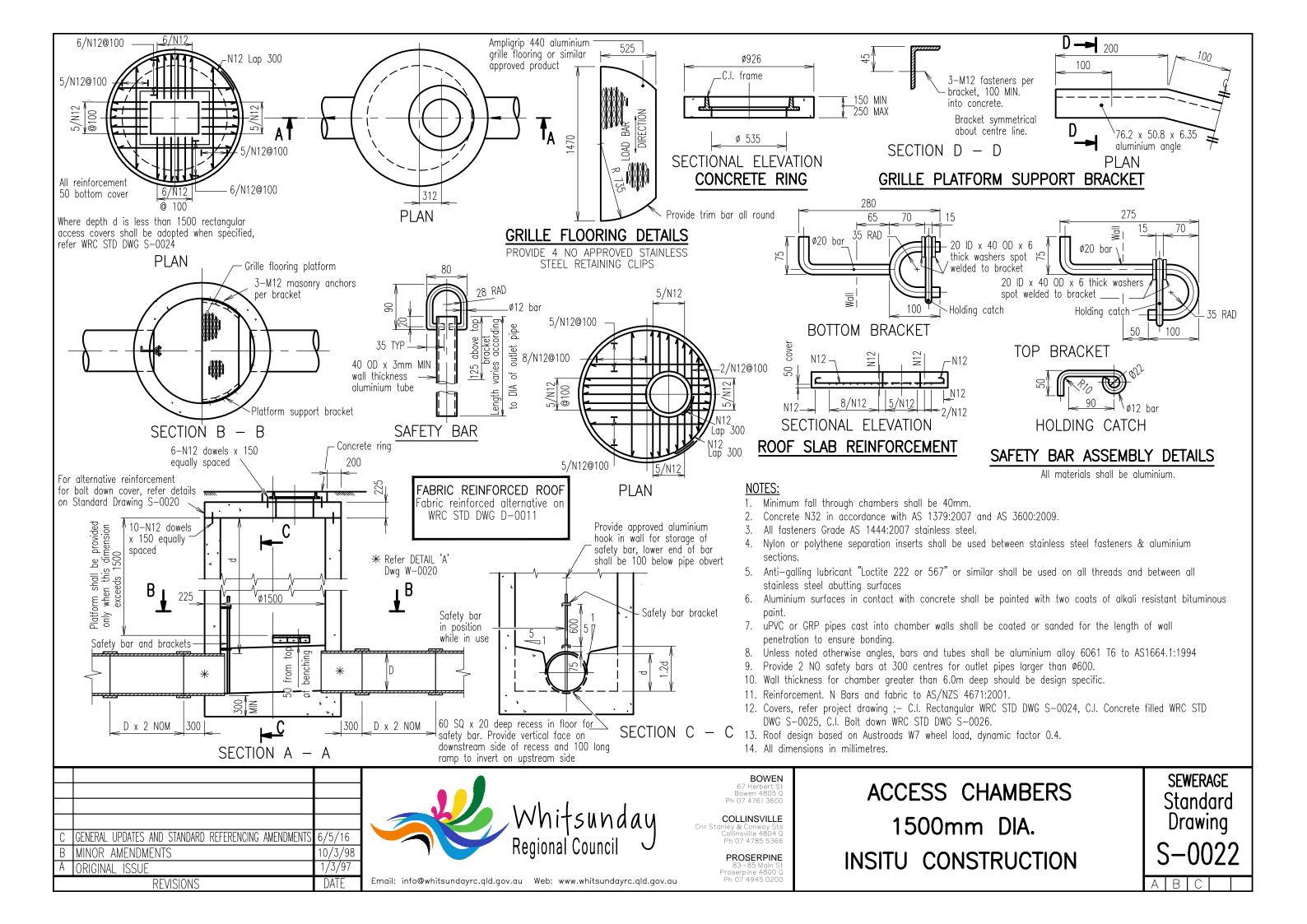
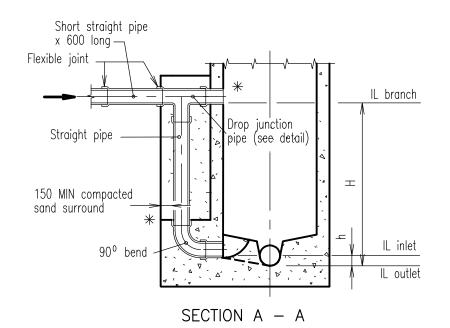
	Std. Dwg. No.	Descriptions	
	S-0010	AS CONSTRUCTED SAMPLE AS CONSTRUCTED PLAN	
		ACCESS CHAMBERS ACCESS CHAMBERS	
	S-0020 S-0021 S-0022 S-0023 S-0024 S-0025 S-0026	1050mm NOM DIA — INSITU CONSTRUCTION 1050mm NOM DIA — PRECAST COMPONENTS (BY PRIOR APPROVAL ONLY) 1500mm NOM DIA — INSITU CONSTRUCTION ALTERNATIVE DROPS — INSITU CONSTRUCTION RECTANGULAR INCLUDING CAST IRON COVERS AND FRAMES CAST IRON COVER AND FRAME, CAST IRON CONCRETE FILLED COVER CAST IRON COVER AND FRAME, BOLT DOWN	
		HOUSE CONNECTION BRANCHES	
	S-0030	HOUSE CONNECTION BRANCHES	
		PUMP STATIONS	
	S-0050 S-0051 S-0052 S-0057 S-0058 S-0059 S-0060	SUBMERSIBLE SEWAGE PUMPING STATION 1800mm DIA & 2400mm DIA PRESSURE GAUGE ARRANGEMENT AIR RELEASE PIPEWORK DETAILS 7.2m VENT POLE TERRAIN CAT 2 AND 3 12.0m VENT POLE TERRAIN CAT 2 AND 3 LIFT STATION SUBMERSIBLE, 1800mm DIA (0-20L/sec) PUMP STATION OVERFLOW SUBMERSIBLE SEWAGE PUMPING STATION GENERAL ARRANGEMENT, REINFORCEMENT 2400mm DIA. ALUMINIUM COVERS AND FRAMES 2400mm DIA.	
		PRESSURE MAINS	
	S-0070	PRESSURE MAIN DISCHARGE DETAILS	
		SEWER CONSTRUCTION	
	S-0090 S-0091	SEWER CONSTRUCTION, PIPELINE CONSTRUCTION TYPES PIERING DETAILS FOR BUILDINGS LESS THAN 1.5m TO SEWER LINE	
	BOWE 67 Herbert: Bowen 4805 Ph 07 4761 360	INDEX SEWER Stand	
C GENERAL UPDATES AND STANDARD REFERENCING AMENDMENTS 6/5/16 Whitsunday	COLLINSVILL Cnr Stanley & Conway S Collinsville 4804 Ph 07 4785 536	Ctana	_
B S-0010, S-0020 TO 0024, S-0030, S-0050, S-0059 10/3/98 TO 0060, S-0070 & S-0091 (S-0054 TO 0056 DELETED) A ORIGINAL ISSUE T/3/97 REVISIONS DATE Email: info@whitsundayrc.qld.gov.au Web: www.whitsundayrc.qld.gov.au Web: www.qld.qld.gov.a	Collins ville 4804 Ph 07 4785 536 PROSERPIN 83-85 Main : Proserpine 4800 Ph 07 4945 020	SEWERAGE S-00	•

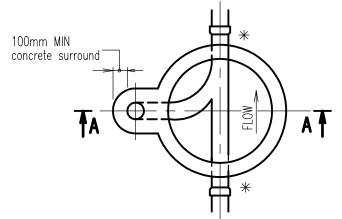






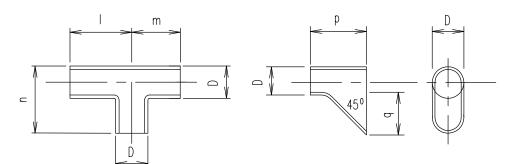








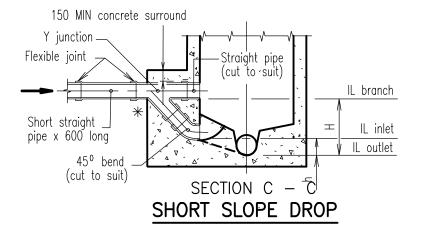
Only to be used where approved or ordered by Service Authority

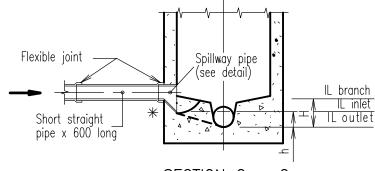


DROP JUNCTION PIPE

SPILLWAY PIPE

SPECIAL PIPES



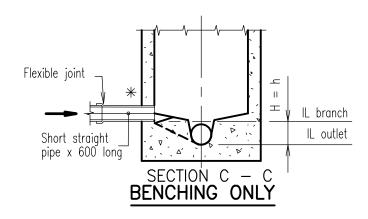


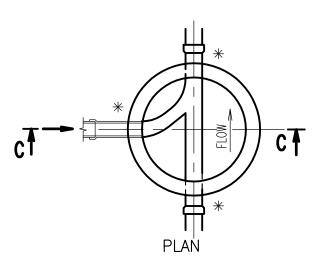


MAXIMUM DROPS				
PIPE	CHAMBER DROP 'H'			
DIA D	Normal Benching	Spillway Drop	Short Slope Drop	Vertical Drop
100	Under 250	250 to 350	350 to 600	over 600
150	Under 250	250 to 400	400 to 700	over 700
225	Under 300	300 to 500	500 to 800	over 800
300	Under 350	350 to 650	650 to 1000	over 1000

(SPECI	AL PI	PES		
PIPE DIA	Drop	Junct	tion	Spill	way
D	_	m	n	р	q
100	380	225	300	150	100
150	380	225	300	225	150
225	420	350	425	325	225
300	450	450	525	425	300

MININ	uum DRO	PS
Angle T Char	hrough nber	Minimum Drop 'h'
	0° to 30°	25
Branch Sewer	30°to 60°	50
301101	60°to 90°	75
Main	0° to 45°	25
Sewer	45°to 90°	40





NOTES:

- 1. Unless otherwise approved for particular types of sewer pipe used or particular site conditions, short pipes (600mm MAX) to be flexibly jointed to all sections bedded on or surrounded with concrete.
- 2. All benching to be 1 in 5 MIN.
- 3. 100mm external uPVC drop to be provided where house drain connection is well above chamber invert.
- 4. Refer WRC STD DWG S-0020 for 1050 NOM. access chamber insitu construction details.
- 5. Vertical and short slope drops to be formed using special pipes and standard fittings with couplings & sealing rings.
- 6. All dimensions in millimetres.

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* Refer DETAIL 'A'

WRC STD DWG W-0020

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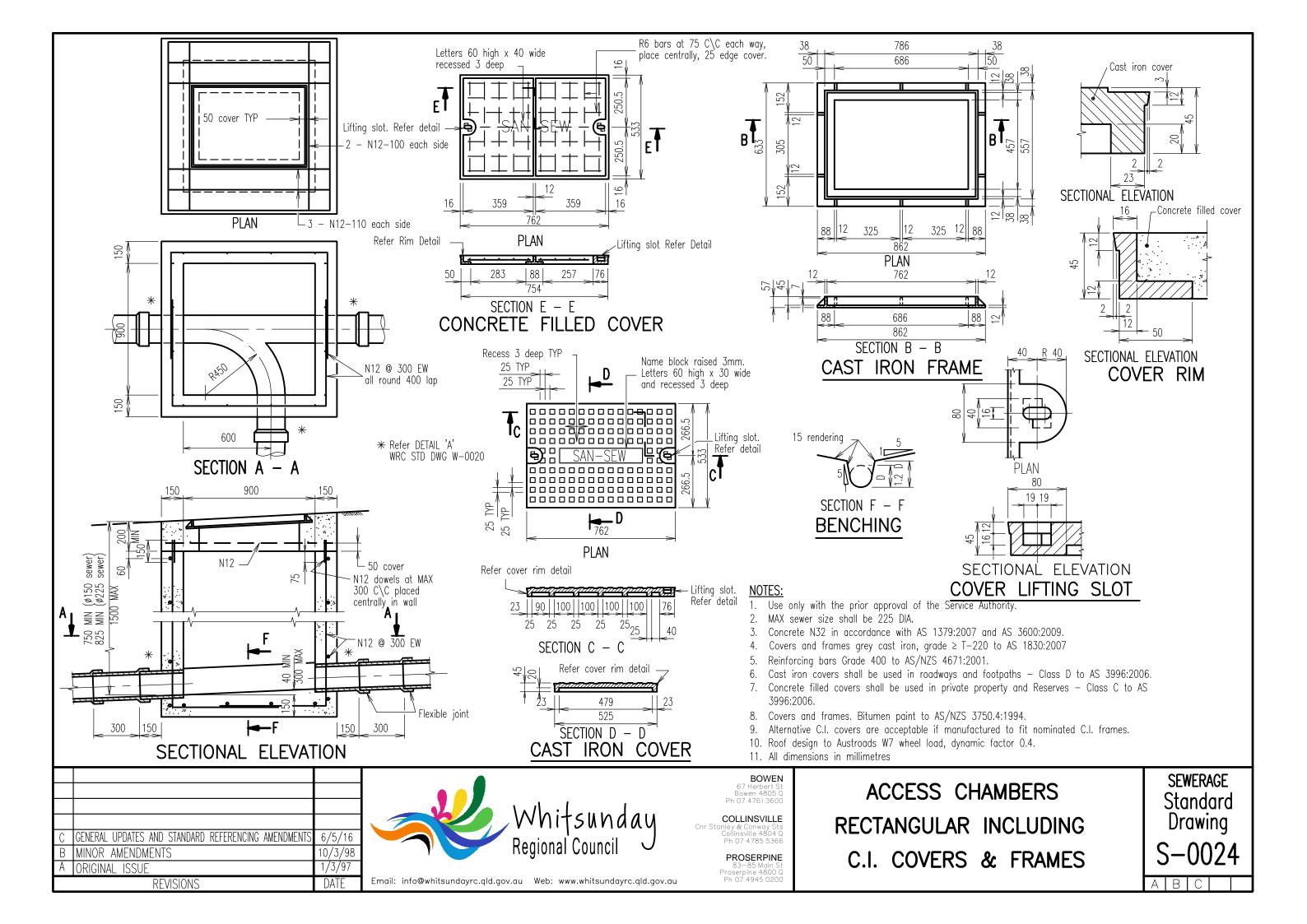
COLLINSVILLE Cnr Stanley & Conway Sts Collinsville 4804 Q Ph 07 4785 5366

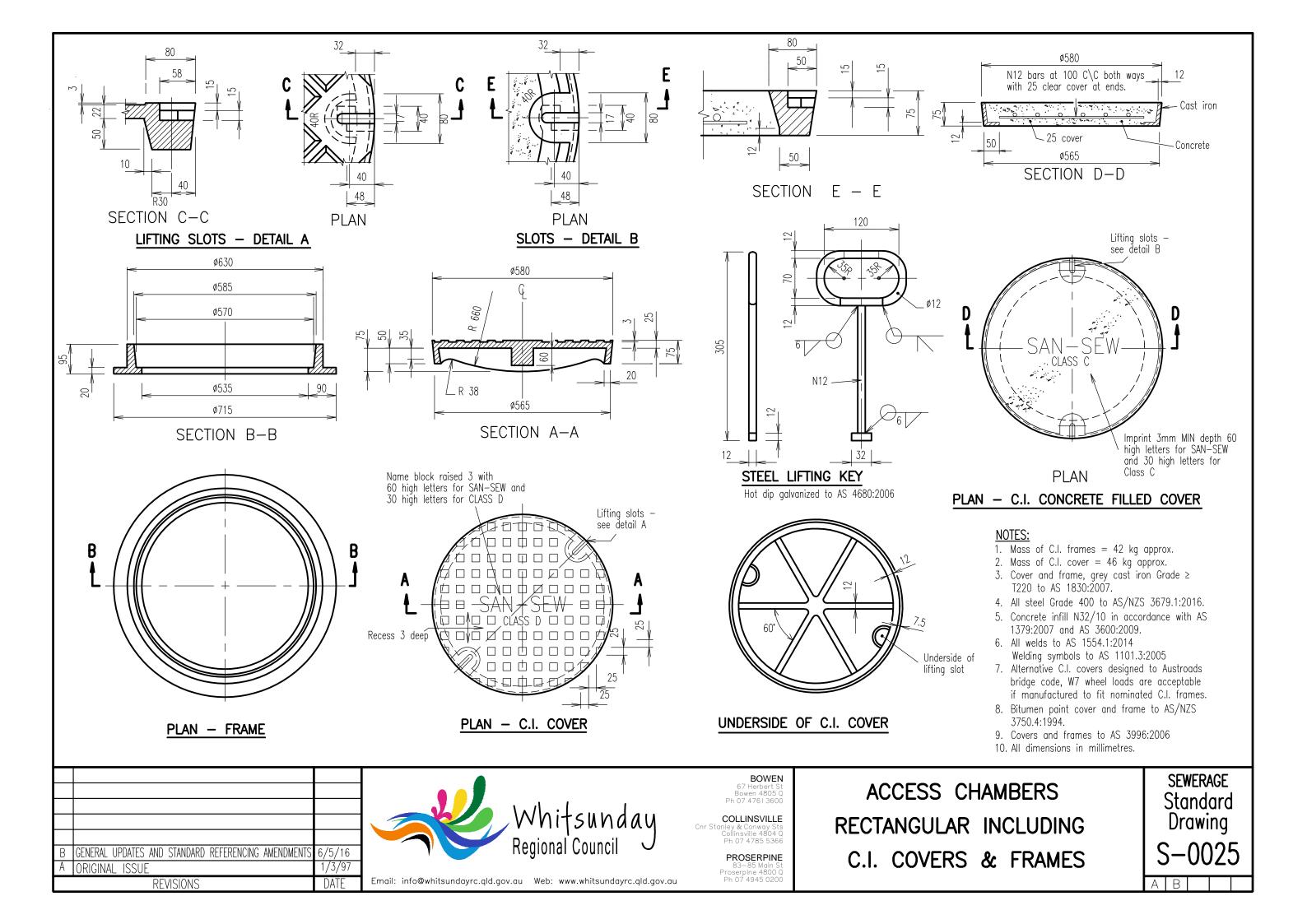
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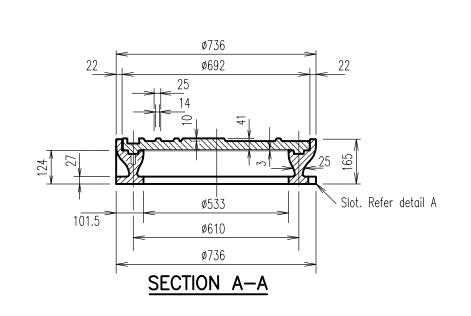
ACCESS CHAMBERS
ALTERNATIVE DROPS
INSITU CONSTRUCTION

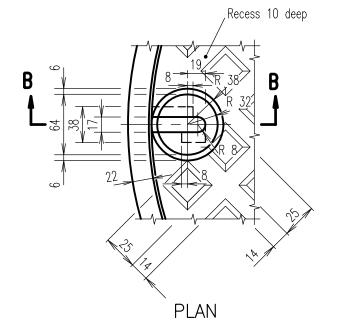
SEWERAGE
Standard
Drawing
S-0027

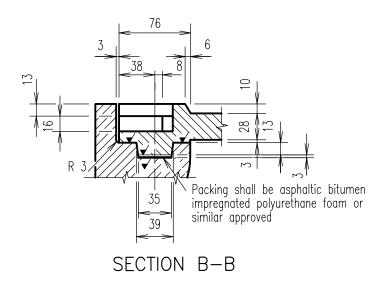
. | B | B |



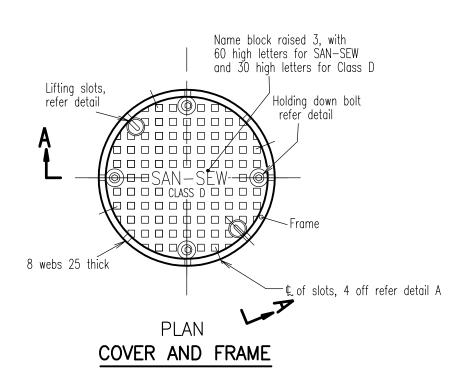


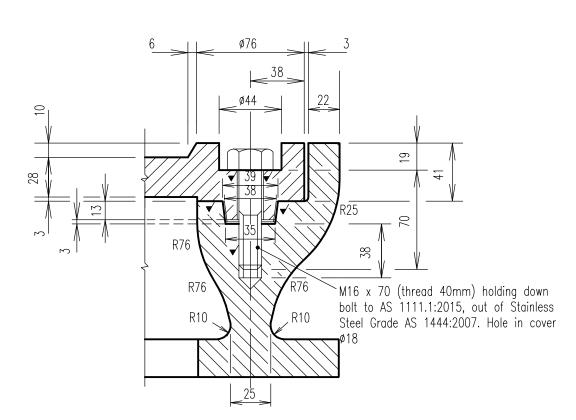




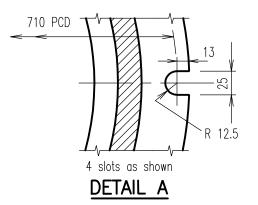


DETAIL AT LIFTING SLOTS





DETAIL OF HOLDING DOWN BOLTS



LEGEND

✓ Denotes machined surface.

NOTES:

- $\overline{1.}$ Mass of cover = 66 kg approx.
- 2. Mass of frame = 100 kg approx.
- 3. Cover and frame, grey cast iron Grade ≥ T220 to AS 1830:2007.
- 4. Cover design Class D to AS 3996:2006.
- 5. Alternative C.I. covers designed to Austroads bridge code, W7 wheel loads are acceptable if manufactured to fit nominated C.I. frames.
- 6. Bitumen paint cover & frame to AS/NZS 3750.4:1994.
- 7. All dimensions in millimetres.

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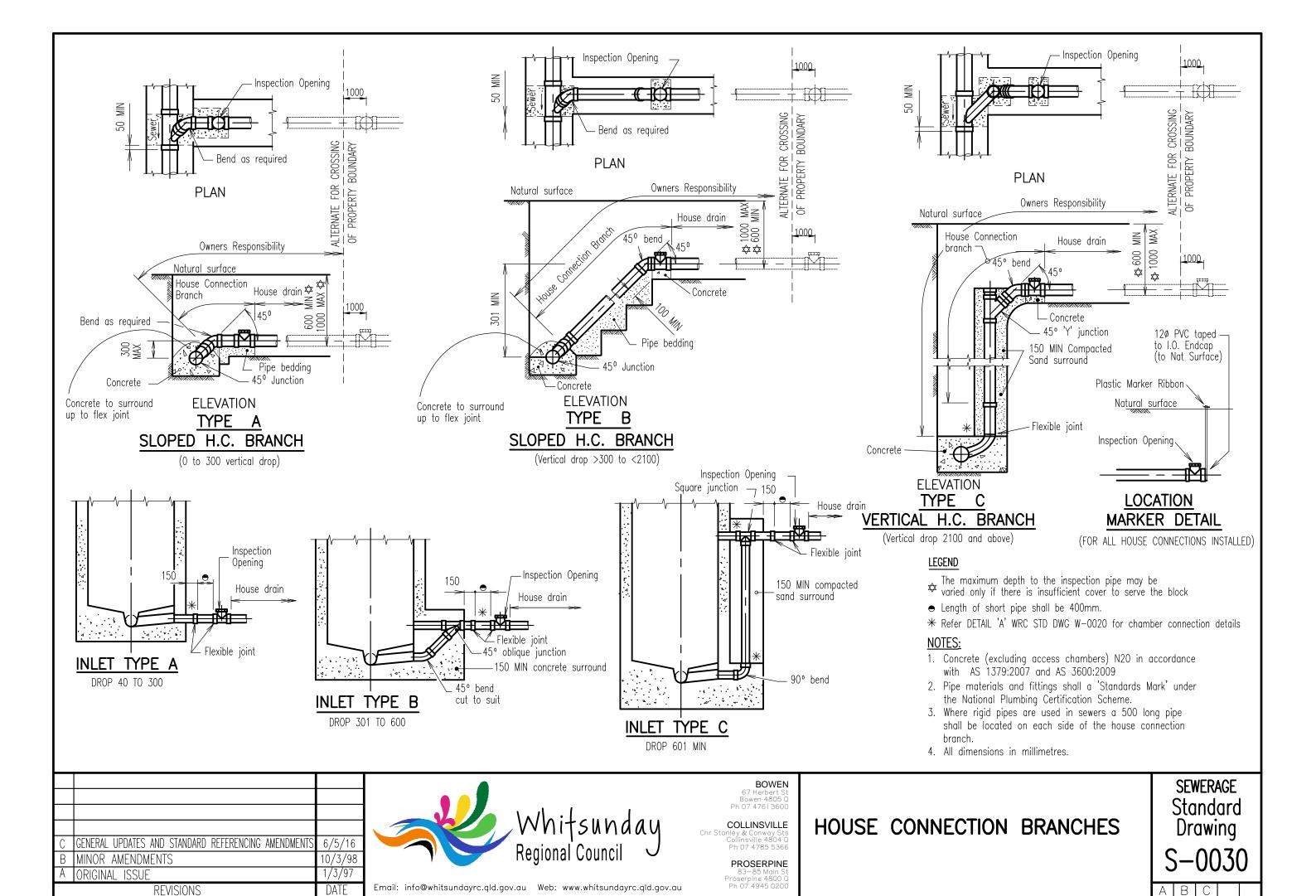
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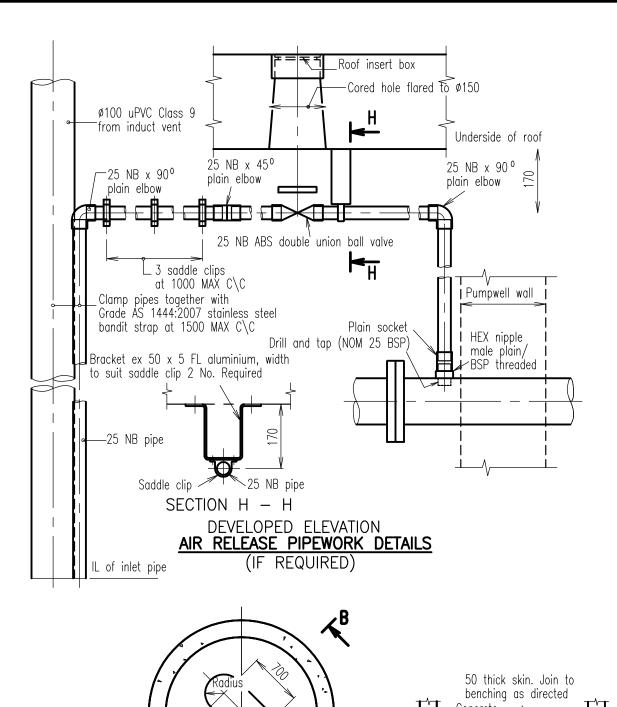
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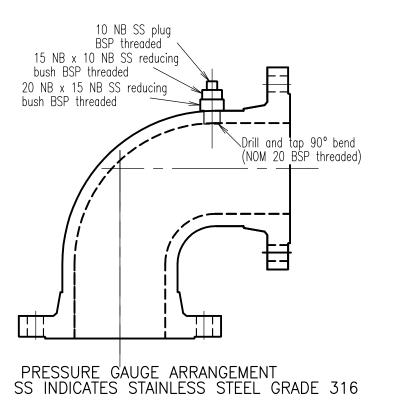
ACCESS CHAMBERS CAST IRON COVER AND FRAME BOLT DOWN

SEWERAGE
Standard
Drawing
S-0026

AB

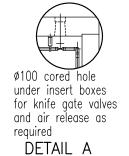


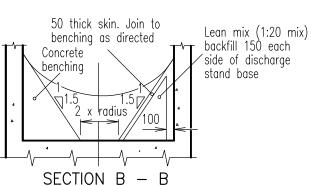


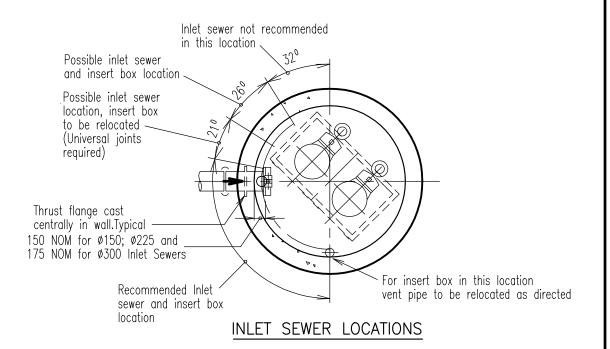


NOTES:

- Benching dimensions shall be as directed by the Superintendent. The "Radius" at floor level shall be equal to the pump's volute radius with concurrent centre lines. The 700* dimension shall be adjusted to suit the pump unit spacing. The 50mm thick skin shall be 2:1 fine sand and cement mortar.
- (a) The isolating valve on the inlet sewer shall be a fully Grade AS 1444:2007 stainless steel lugged knife gate valve including stainless steel superstructure and non-rising spindle adaptor with stainless steel metal to metal seat.
 - (b) Reflux valves shall be coated internally and externally with a fusion bonded epoxy and shall be counter weighted.
- 6. All dimensions in millimetres.







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PUMPWELL FLOOR

Showing benching only Refer note 1



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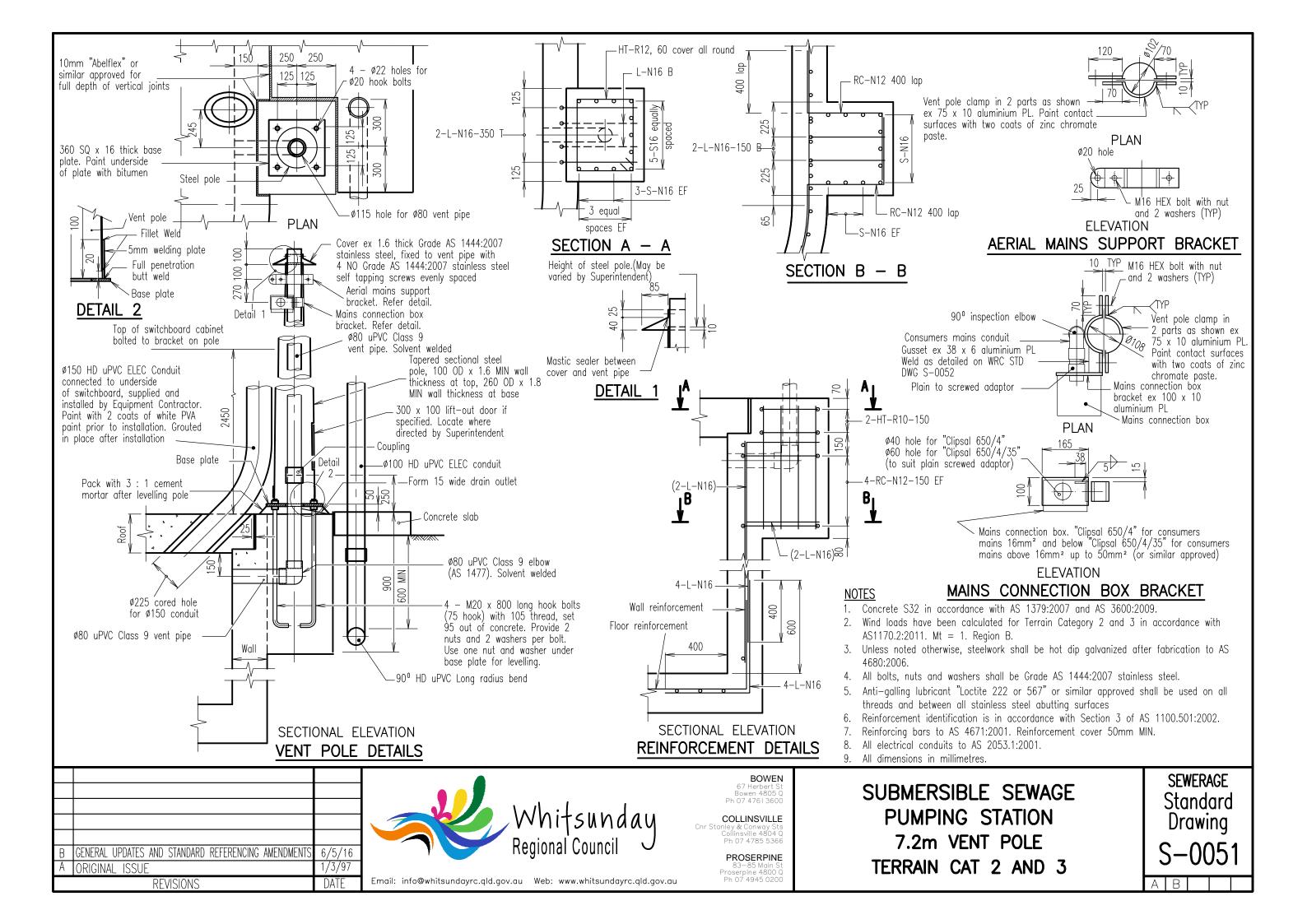
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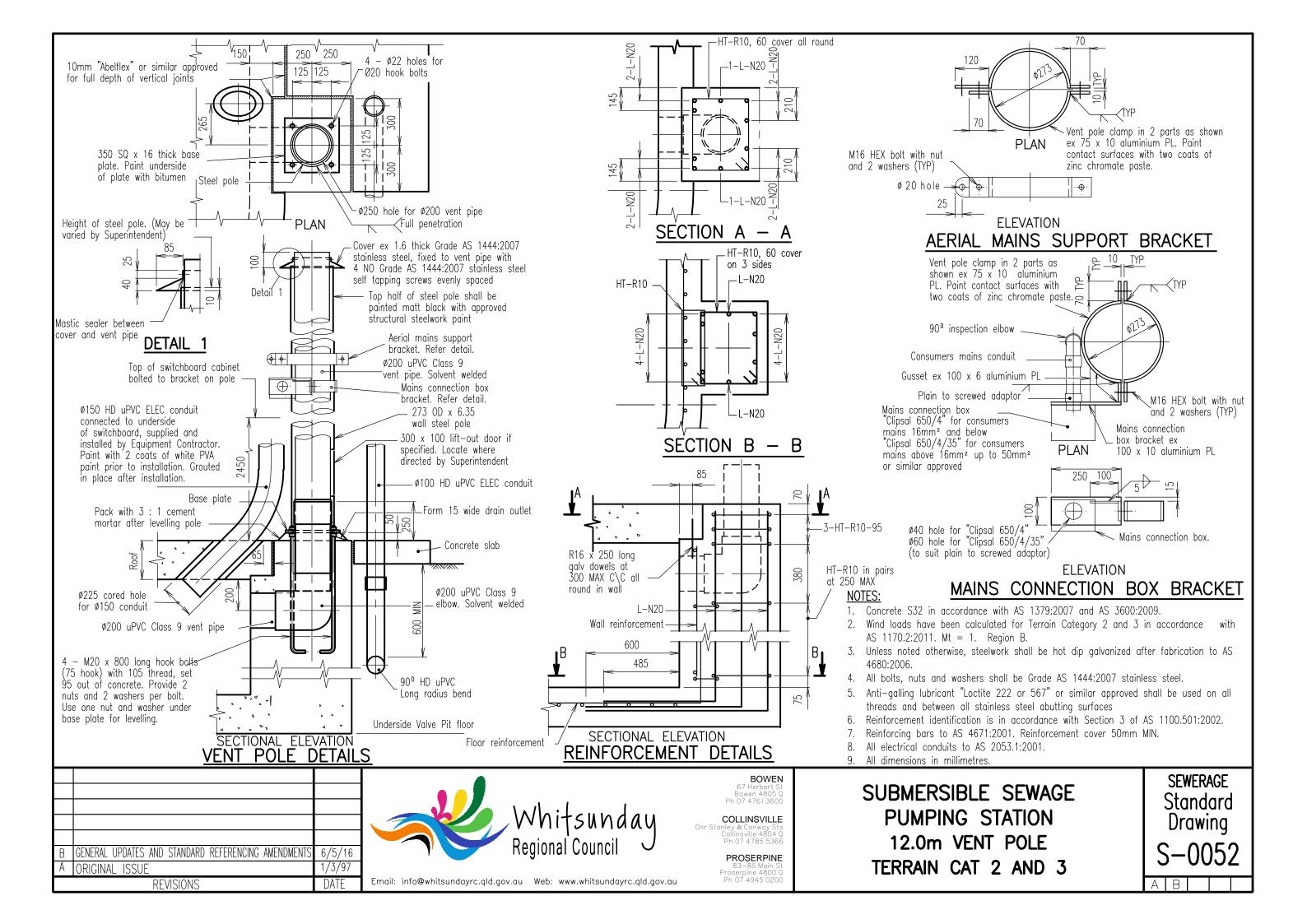
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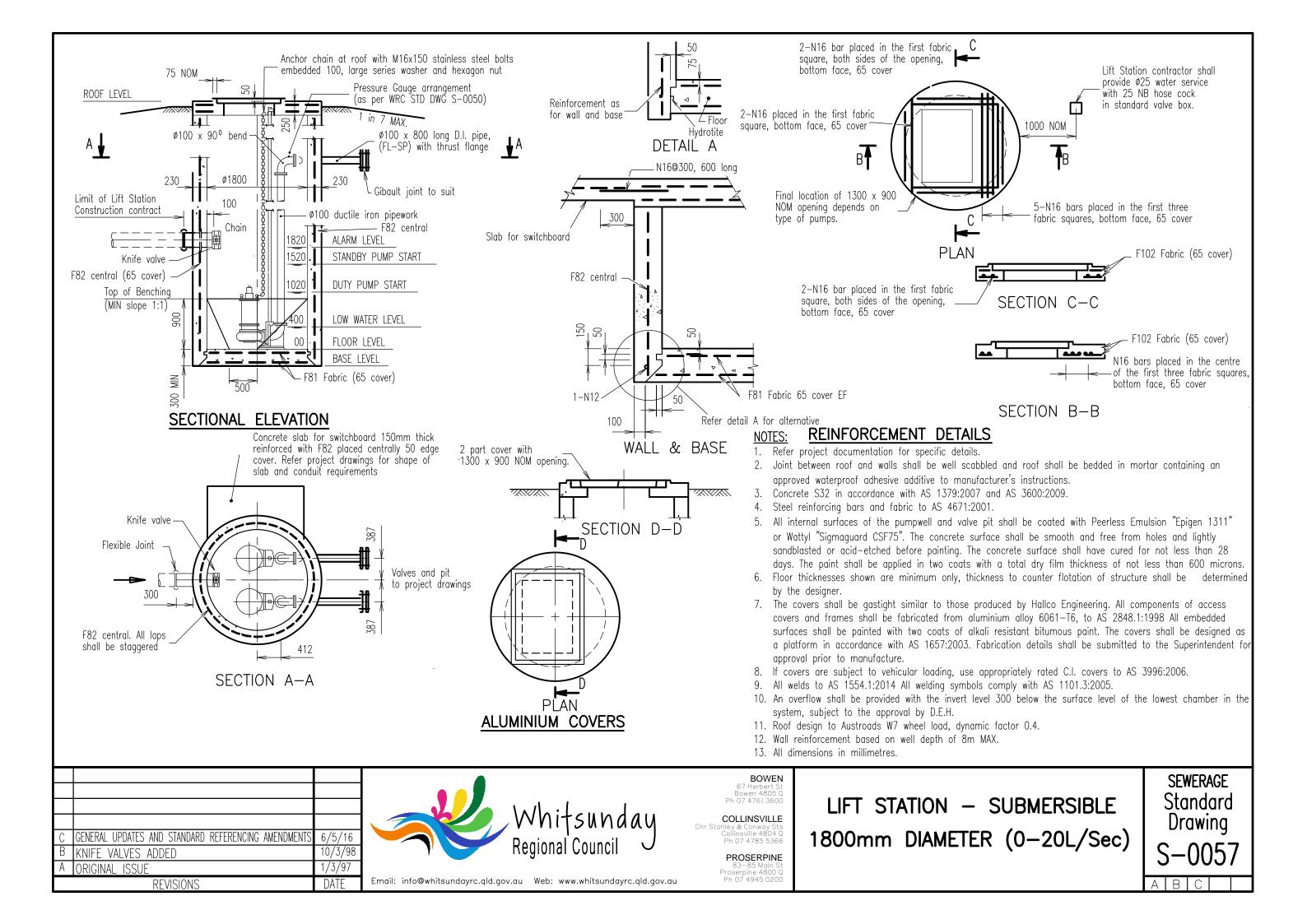
SUBMERSIBLE SEWAGE
PUMPING STATION
1800 mm DIA. & 2400 mm DIA
PRESSURE GAUGE ARRANGEMENT
AIR RELEASE PIPEWORK DETAILS

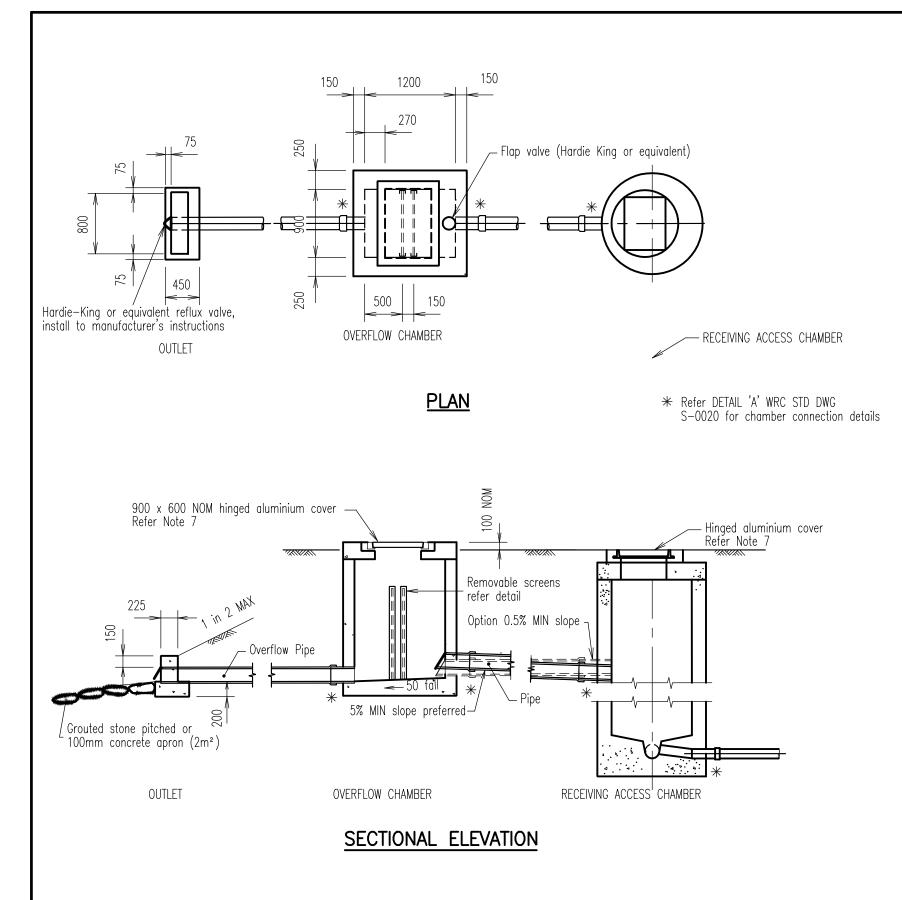
SEWERAGE
Standard
Drawing
S-0050

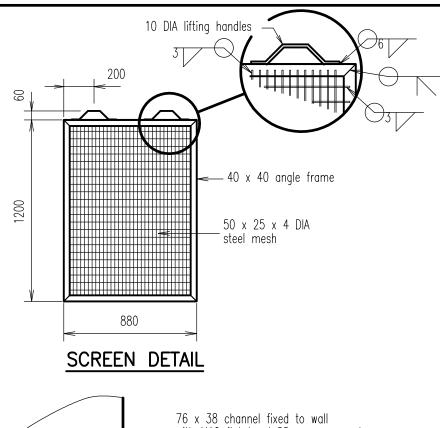
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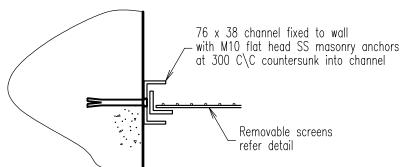












SCREEN GUIDE RAIL

NOTES:

- 1. Pipes shown are diagrammatic only, refer project drawings for layout and levels.
- 2. Concrete N32 in accordance with AS 1379:2007 and AS 3600:2009.
- 3. All steelwork hot dip galvanised to AS/NZS 4680:2006 after fabrication.
- 4. All bars and angles Grade 250 to AS/NZS 3679.1:2016.
- 5. All bolts, nuts and washers shall be Grade AS 1444:2007 stainless steel with approved anti-galling compound.
- 6. All welds to AS 1554.1:2014 All welding symbols comply with AS 1101.3:2005.
- 7. The covers shall be gastight similar to those produced by Hallco Engineering. All components of access covers and frames shall be fabricated from aluminium alloy 6061-T6, to AS 2848.1:1998. All embedded surfaces shall be painted with two coats of alkali resistant bitumous paint. The covers shall be designed as a platform in accordance with AS 1657:2003. Fabrication details shall be submitted to the Superintendent for approval prior to manufacture.
- 8. If covers are subject to vehicular loading, use appropriately rated C.I. covers.
- 9. All dimensions in millimetres.

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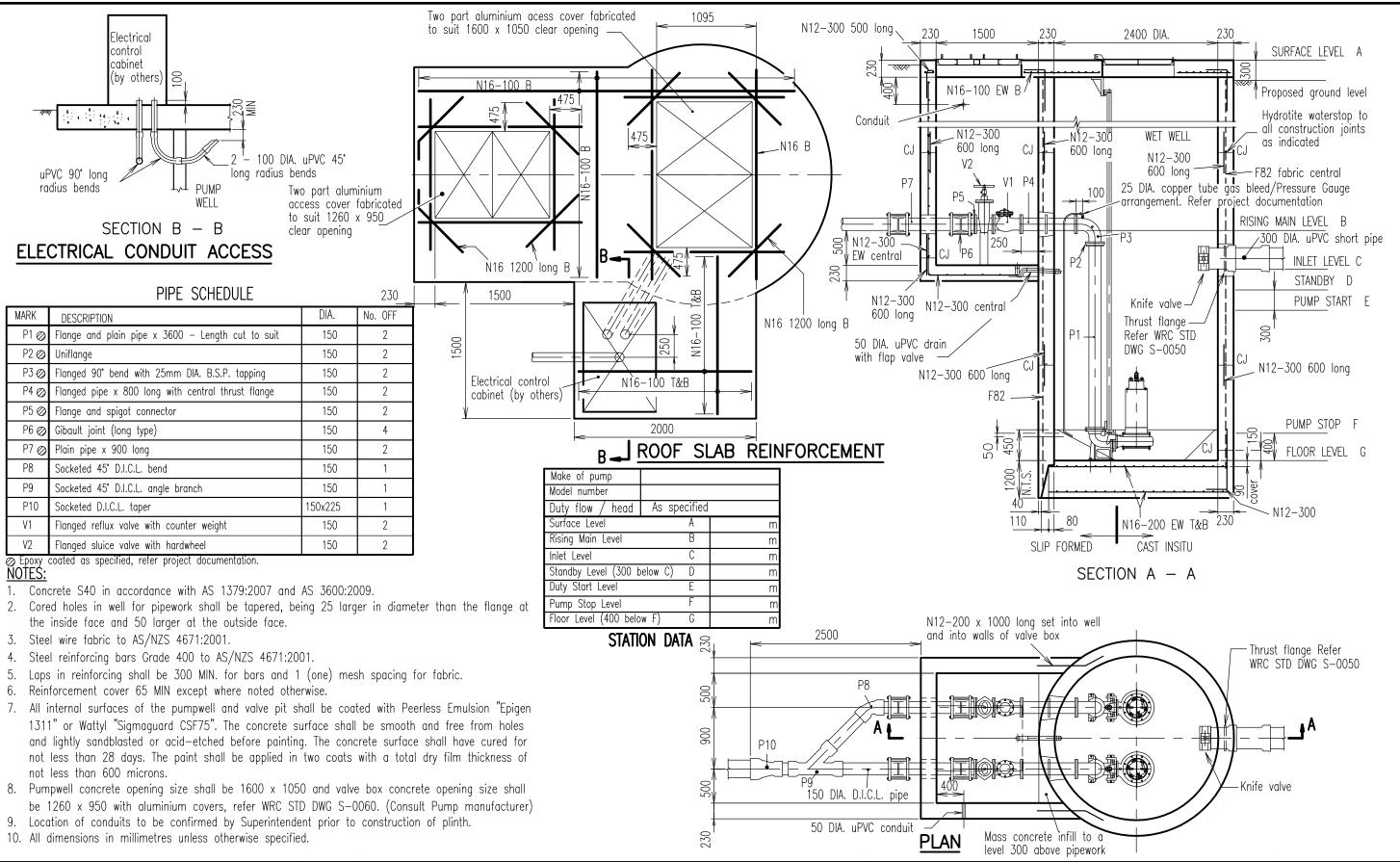
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PUMP STATION OVERFLOW

SEWERAGE Standard Drawing



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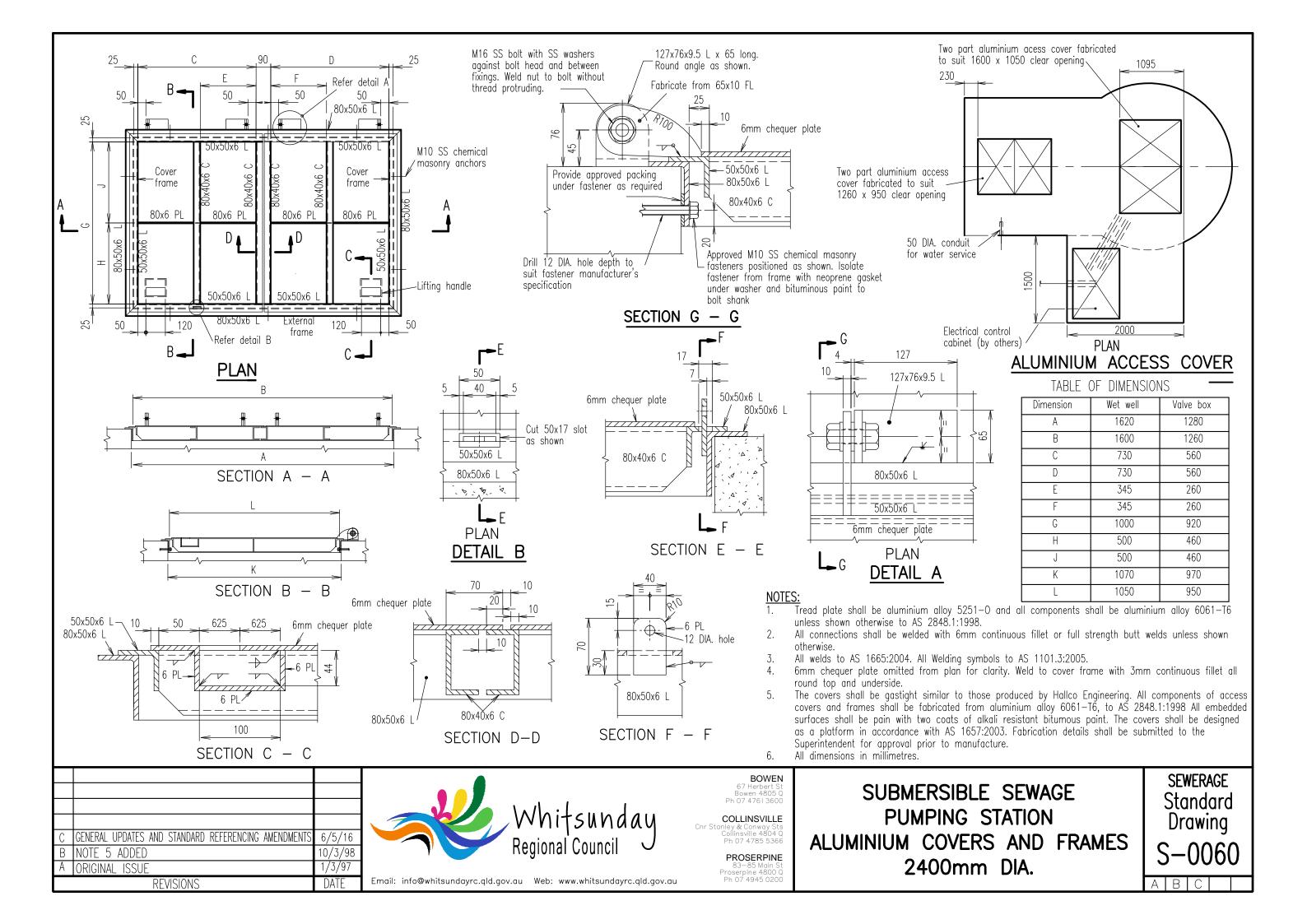
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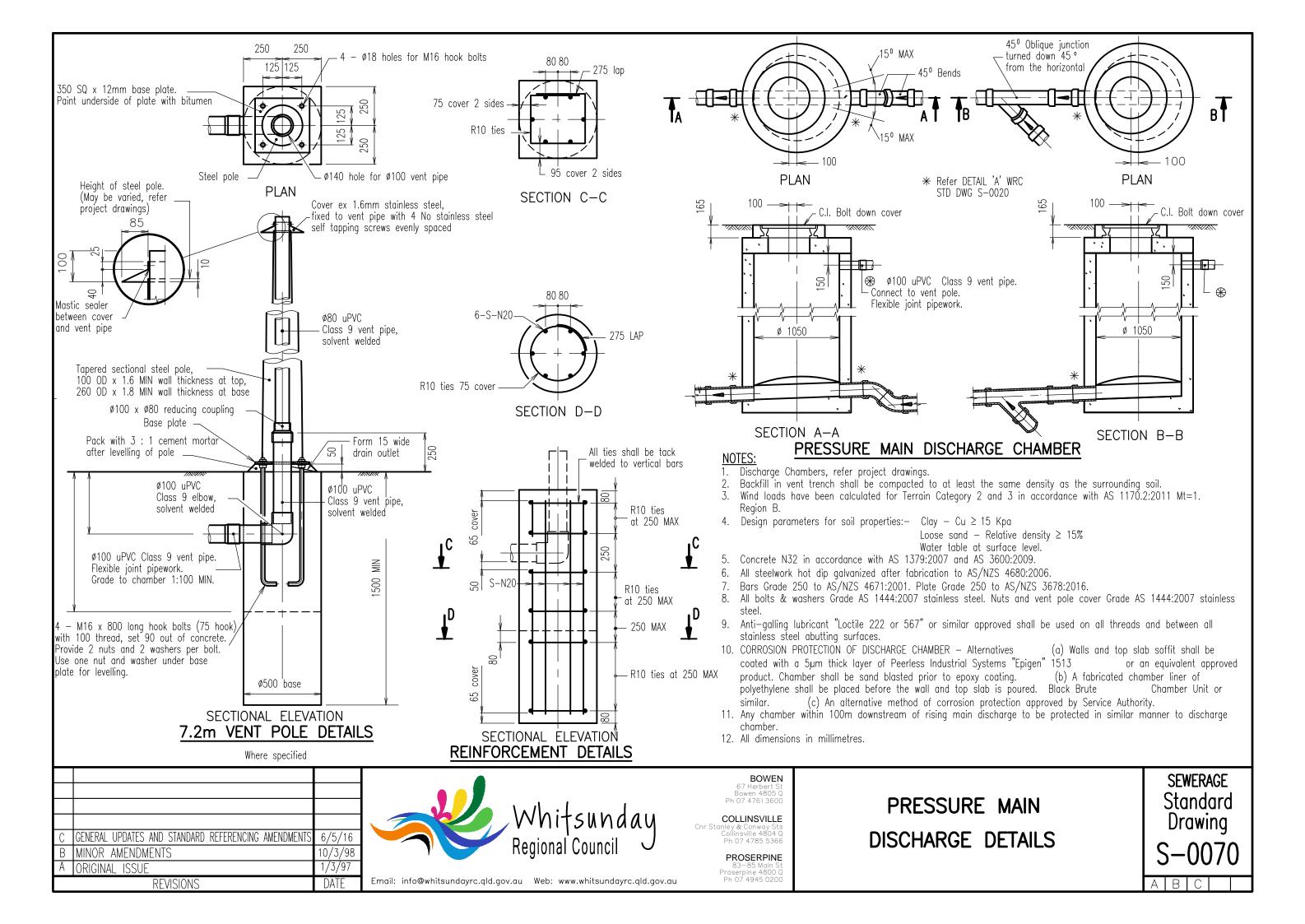
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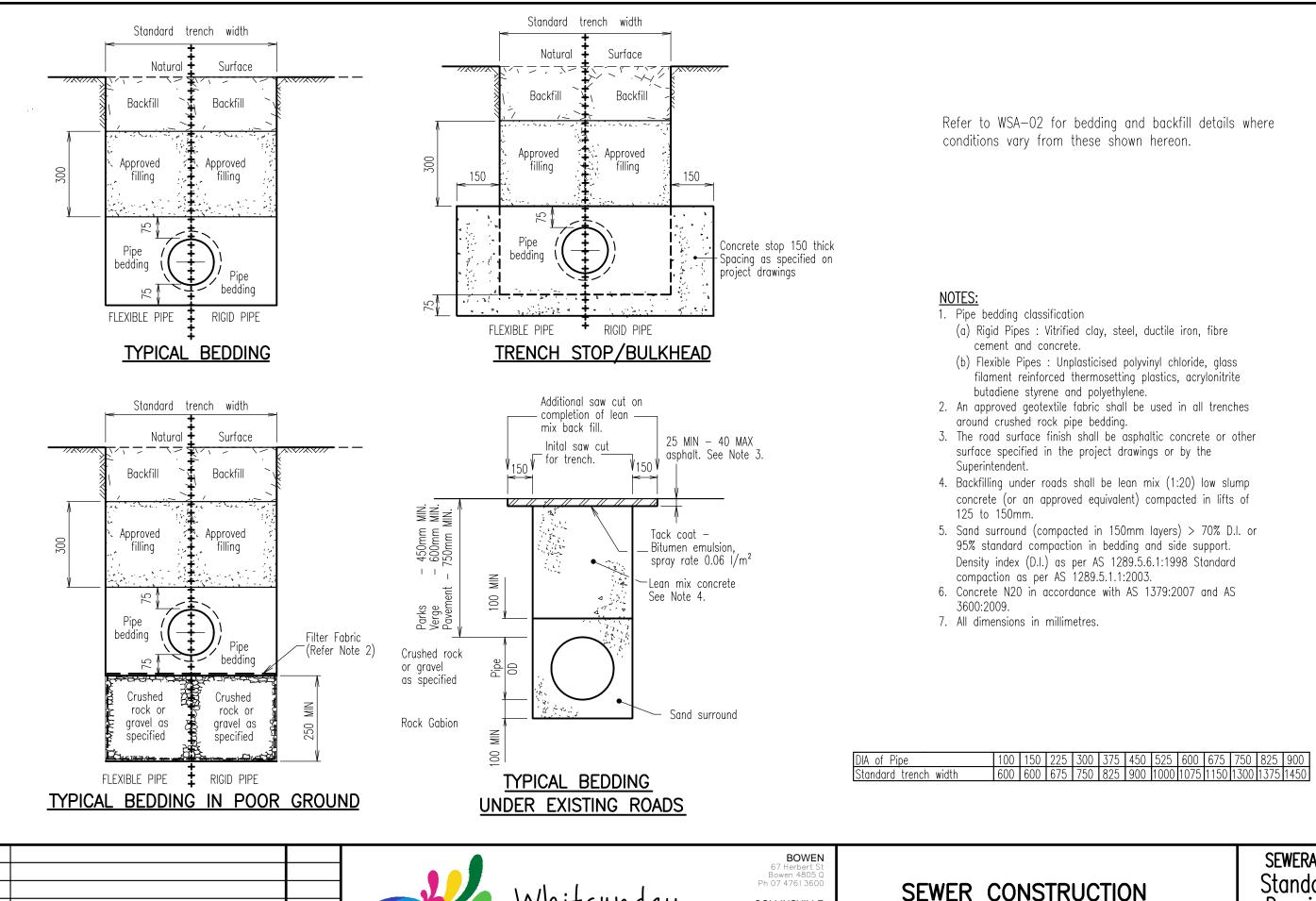
SUBMERSIBLE SEWAGE
PUMPING STATION
GENERAL ARRANGEMENT —
REINFORCEMENT 2400mm DIA.

SEWERAGE
Standard
Drawing

ABC







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PIPELINE CONSTRUCTION TYPES

SEWERAGE Standard Drawing

3-003

