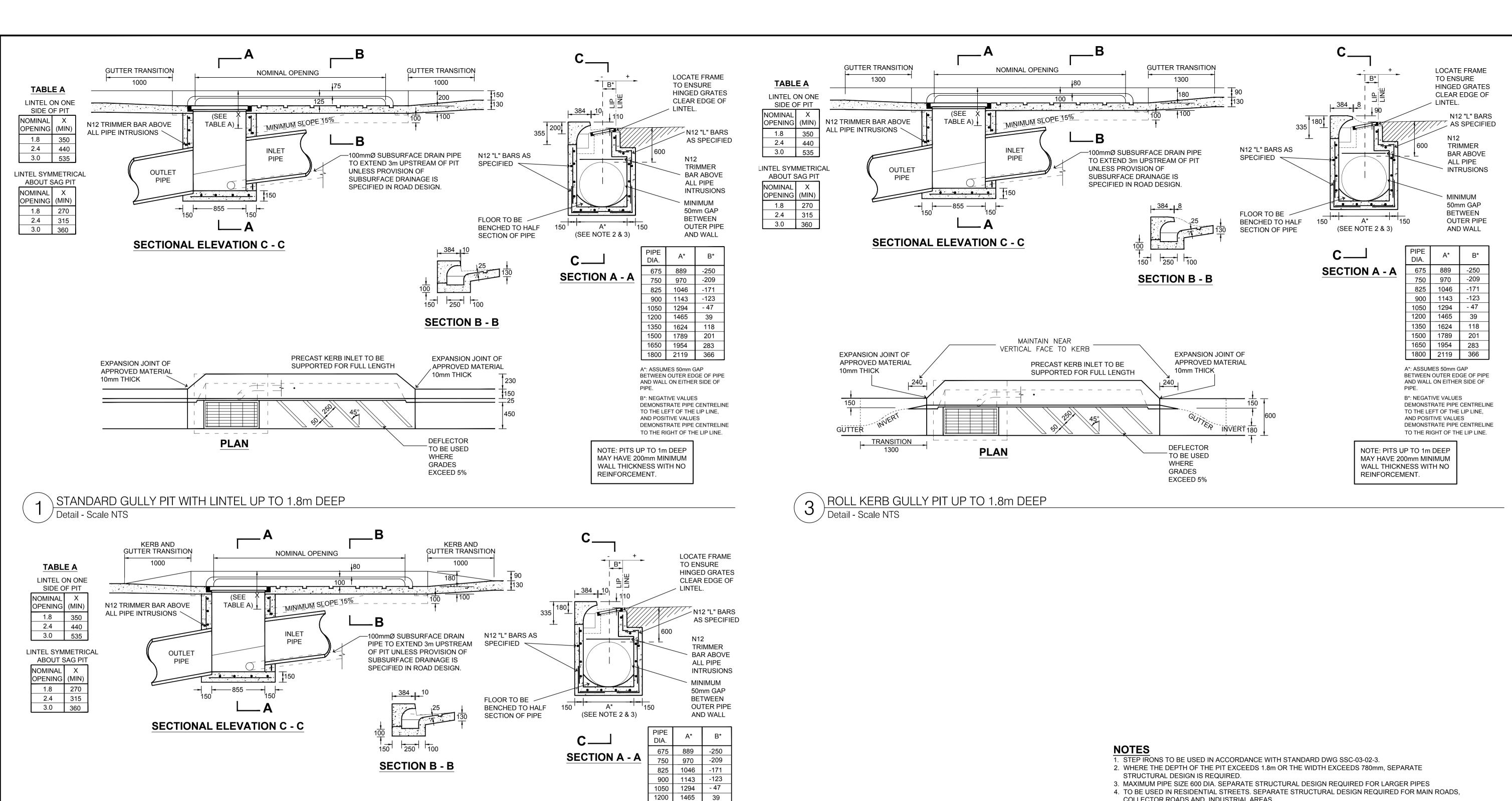
				SHEET. DOCUMENT No. TITLE	DETAIL No. DETAIL TITLE	PREV. DETAIL REF. ISSUE ISSUE DATE
				00 COVER SHEET	SHEET INDEX	- 15/12/2017
				01 GULLY PITS	1 STANDARD GULLY PIT WITH LINTEL UP TO 1.8m DEEP GULLY PIT WITH LINTEL UP TO 1.8m DEEP WITH CONCRETE DISH ROLL KERB GULLY PIT UP TO 1.8m DEEP	10000 - REV N 10030 - REV B - 15/12/2017 10001 - REV J
				02 JUNCTION PITS	1 JUNCTION PIT UP TO 1.8m DEEP	10002 - REV C 2 10016 - REV E 10004 - REV D
				03 PIPE DETAILS	1 ROLL KERB ROOFWATER OUTLET	10018 - REV A 10015 - REV A - 15/12/2017 10014 - REV C
			This sheet to be read in conjunction with Sheet 00 of each respective Series.	ERLAND	PUBLIC DOMAIN TECHNICAL M	
DDTM ODIONAL IOOUT	0.111015	C CHARACTER TO THE	All drawings are owned by Sutherland Shire Council. Issue of AutoCAD	LAND SHIRE.	STANDARD DRAWINGS - STORMWATER & [COVER SHEET	
- PDTM ORIGINAL ISSUE STATUS AND REVISION DESCRIPTION	G. LUCAS S. CHAPMAN 15/12/2017 drawii CHECKED APPROVED DATE	drawings must be authorised by Manager of Design Services.		FOR INFORMATION CHAPTER No. SERIES PART C (STEELS Public Domain Design Manuals_CP06771374\PDTM Drawings\CAD\\3-STORMWATER	00 -	



1624

1789

1954

1800 2119 366

BETWEEN OUTER EDGE OF PIPE AND WALL ON EITHER SIDE OF

DEMONSTRATE PIPE CENTRELINE

DEMONSTRATE PIPE CENTRELINE

TO THE RIGHT OF THE LIP LINE.

TO THE LEFT OF THE LIP LINE,

A*: ASSUMES 50mm GAP

B*: NEGATIVE VALUES

AND POSITIVE VALUES

118

201

283

1350

1500

1650

NOTE: PITS UP TO 1m DEEP

MAY HAVE 200mm MINIMUM

WALL THICKNESS WITH NO

REINFORCEMENT.

EXPANSION JOINT OF

APPROVED MATERIAL

INVERT

10mm THICK

DISH

TO BE USED WHERE

GRADES

EXCEED 5%

PRECAST KERB INLET TO BE

SUPPORTED FOR FULL LENGTH

- COLLECTOR ROADS AND INDUSTRIAL AREAS.
- 5. ALL PITS TO BE CONSTRUCTED WITH 32MPa CONCRETE AND REINFORCED WITH SL72 MESH CENTRALLY PLACED WITH 800mm LONG N12 "L" BARS AT 400mm CENTRES ON ALL CORNERS
- 6. ALL EXPOSED EDGES TO BE ROUNDED TO 5mm RADIUS.
- 7. IN VEHICLE AREAS, GRATED INLET PITS SHALL HAVE A HOT DIPPED GALVANISED FRAME AND COVER OR BICYCLE-SAFE GRATE AND "CLASS D' LOADING RATING IN ACCORDANCE WITH A.S.3996.
- 8. IN NON-VEHICLE PEDESTRIAN AREAS, GRATED INLET PITS SHALL HAVE A HOT DIPPED GALVANISED FRAME AND COVER OR HEEL-SAFE GRATE AND "CLASS B' LOADING RATING IN ACCORDANCE WITH A.S.3996.
- 9. ALL GRATES SHALL BE ONE PIECE AND HINGED WITH 80% MINIMUM OPEN AREA. 10. GRATES AND COVERS SHALL BE A PROPRIETRY ITEM IN ACCORDANCE WITH AS3996 OR SHALL BE
- STRUCTURALLY DESIGNED.
- 11. ALL FRAMES TO BE EMBEDDED INTO SURROUNDING CONCRETE AND FINISHED FLUSH WITH THE FINISHED SURFACE LEVELS.

FOR INFORMATION

STANDARD GULLY PIT WITH LINTEL UP TO 1.8m DEEP IN CONCRETE DISH Detail - Scale NTS

PLAN

EXPANSION JOINT OF

APPROVED MATERIAL

INVERT

TRANSITION

2000

10mm THICK

DISH

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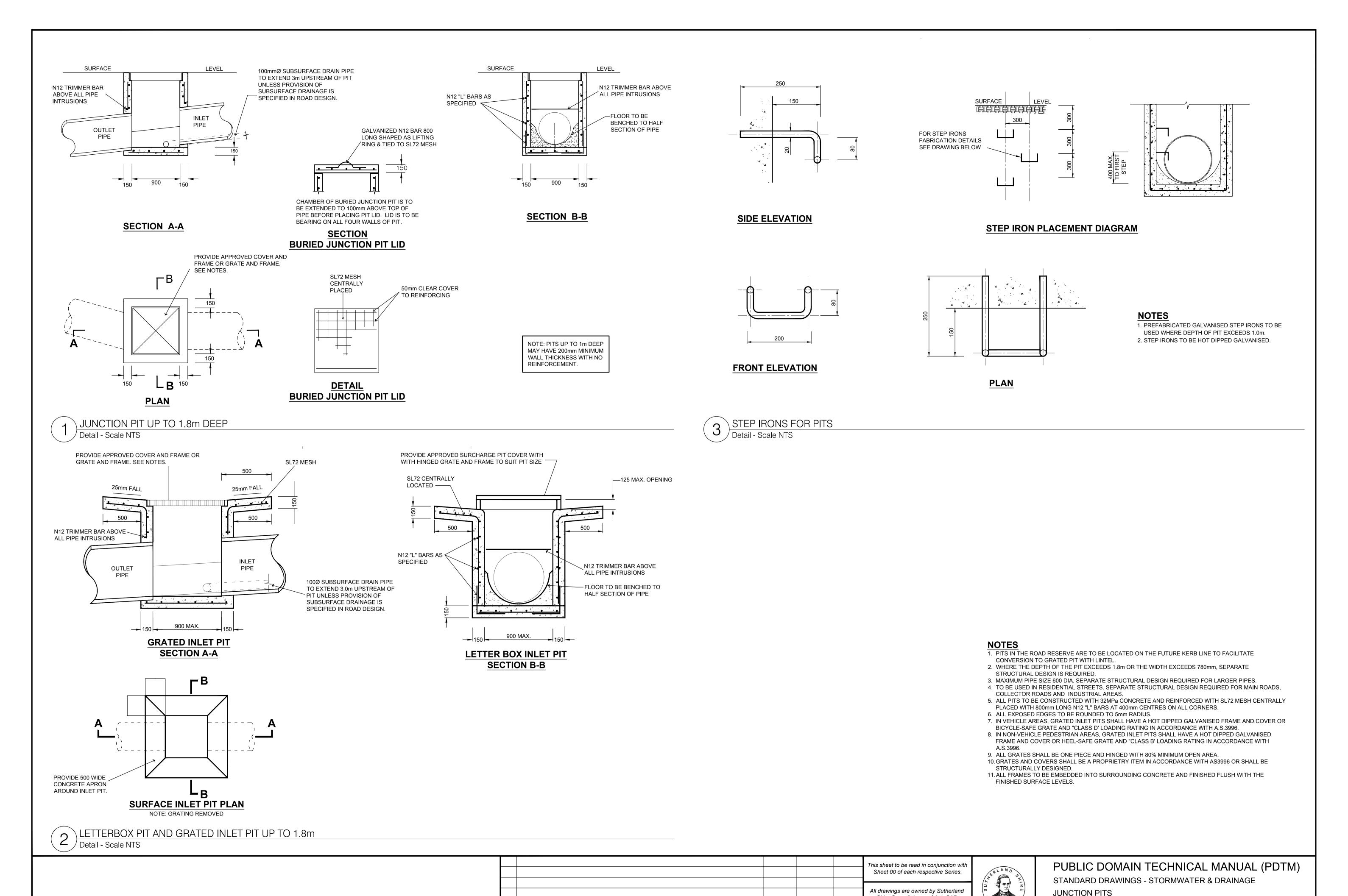


PUBLIC DOMAIN TECHNICAL MANUAL (PDTM) STANDARD DRAWINGS - STORMWATER & DRAINAGE **GULLY PITS**

CHAPTER No.

SERIES No.

SHEET No.



PDTM ORIGINAL ISSUE

STATUS AND REVISION DESCRIPTION

CHAPTER No. SERIES No. SHEET No. FOR INFORMATION PART C

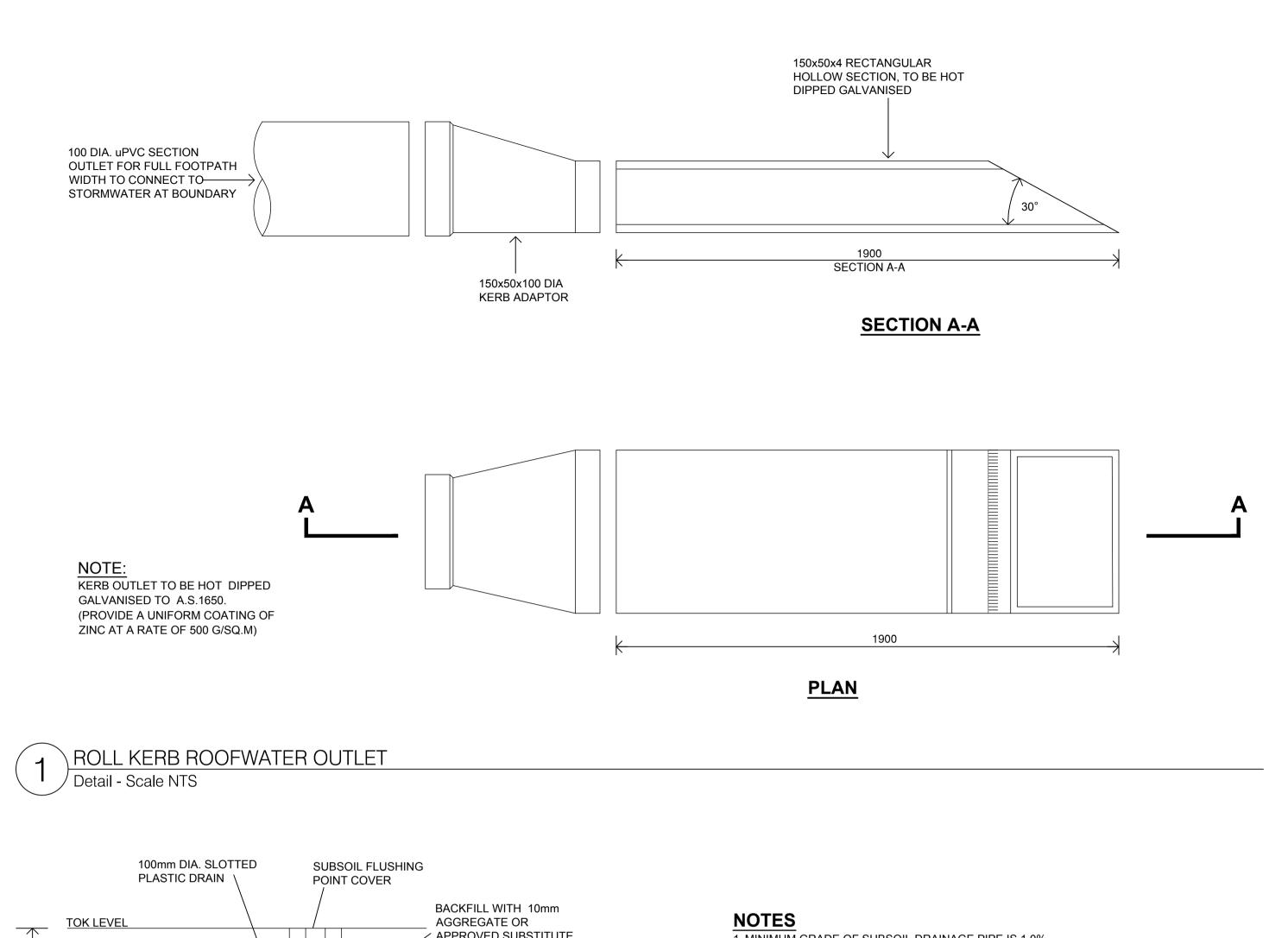
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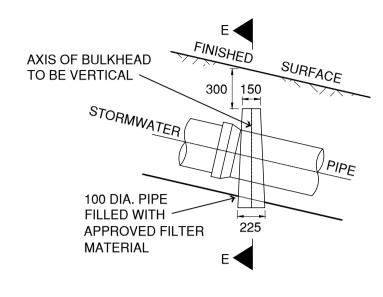
Manager of Design Services.

G. LUCAS | S. CHAPMAN | 15/12/2017

CHECKED APPROVED



FLUSHING POINT COVER DETAIL



FINISHED SURFACE BOTTOM OF 100 DIA. PIPE FILLED WITH APPROVED FILTER MATERIAL

ELEVATION

SECTION E-E

- 1. COMPRESSIVE STRENGTH OF CONCRETE (F'c) AT 28 DAYS TO BE
- 2. WHERE THE PIPELINE IS UNDER A ROAD PAVEMENT THE TOP OF THE BULKHEAD SHALL EXTEND TO SUBGRADE LEVEL, UNLESS
- OTHERWISE DIRECTED BY THE ENGINEER. 3. PROVIDE BULKHEADS WHERE PIPE GRADE EXCEEDS 15%. SPACING TO BE SPECIFIED ON DESIGN DRAWINGS.

NOTES

- 1. MINIMUM GRADE OF SUBSOIL DRAINAGE PIPE IS 1.0%.
- 2. CENTRELINE OF PIPE MAY VARY FROM 0.15m IN FRONT OF LIP TO 0.15m
- BEHIND BACK OF KERB. 3. SUBSOIL FLUSHING POINTS TO BE NOT MORE THAN 60m APART.
- 4. JOINTS IN FILTER FABRIC TO BE LAPPED A MINIMUM OF 300mm.
- 5. WHERE SUBSOIL LINE IS LAID UNDER A ROAD PAVEMENT, SUBSOIL TRENCH IS TO BE BROUGHT UP TO SUBGRADE LEVEL.
- 6. SUBSOIL DRAIN IS TO BE EXTENDED THROUGH UPSTREAM WALL OF
- PIT. REFER TO STANDARD SSC-03-01-1.
- 7. SUBSOIL DRAIN IS TO BE EVENLY GRADED WITH NO DEPRESSIONS. 8. IN AREAS OF PERVIOUS SUB-GRADE OR FRAGMENTED MATERIAL, THE BOTTOM OF THE TRENCH IS TO BE LINED WITH A MINIMUM 300 MICRON
- POLYETHYLENE MEMBRANE, RETURNED 200mm UP EACH SIDE OF THE TRENCH AND OVERLAPS SEALED.

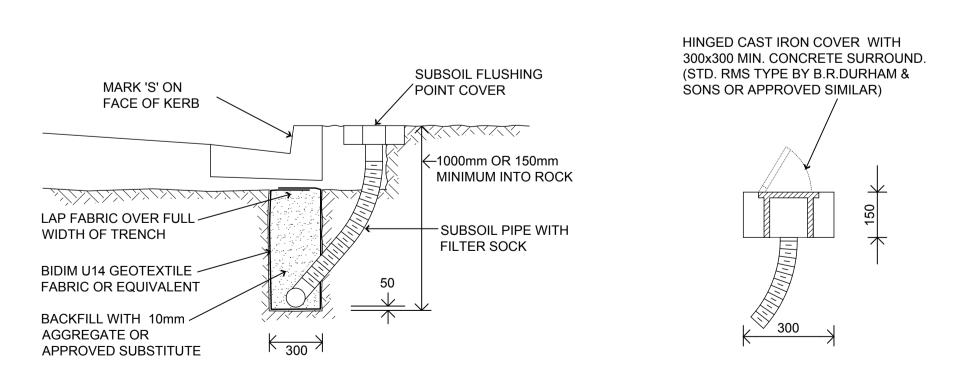
JUNCTION OR BEND SUBSOIL PIPE LONGSECTION

PLASTIC INLET

MIN. 50mm

BASE OF KERB

DIRECTION OF FLOW



APPROVED SUBSTITUTE

BIDIM U14 GEOTEXTILE

FABRIC OR EQUIVALENT

TRENCH BACKFILL AS SUBSOIL DRAINAGE SPECIFIED. PIPE WITH FILTER FABRIC SOCK → K¹⁵⁰

> SUBSOIL PIPE IN STORMWATER **DRAINAGE TRENCH**

SUBSOIL DRAINAGE DETAILS Detail - Scale NTS

SUBSOIL PIPE CROSS-SECTION

					This
					S
					-
					All
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PUBLIC DOMAIN TECHNICAL MANUAL (PDTM) STANDARD DRAWINGS - STORMWATER & DRAINAGE PIPE DETAILS