Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: SW PLAN SH1		Drawing No: CI10-0-1-01		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388

LEGEND

EXISTING

- EXISTING BOUNDARY
- EXISTING EASEMENT
- EXISTING CONTOUR (MAJOR)
- EXISTING CONTOUR (MINOR)
- EXISTING FEATURE
- SUBSOIL
- EXISTING WATERMAIN
- EXISTING ELECTRICAL
- EXISTING OVERHEAD ELECTRICAL
- EXISTING GAS
- EXISTING TELECOMMS
- EXISTING STORMWATER
- EXISTING SEWER
- EXISTING TREE
- EXISTING TREE TO BE RETAINED

PROPOSED

- PROPOSED CONTOUR (MAJOR)
- PROPOSED CONTOUR (MINOR)
- SAWCUT
- FINISHED SURFACE LEVEL
- FOOTPATH
- KERB AND GUTTER
- VEHICULAR CROSSING
- TRENCH DRAIN
- SEALED PIT
- SURFACE INLET PIT
- KERB INLET PIT
- SURFACE INLET PIT WITH OCEANGUARD
- STORMWATER PIPE (Ø100 U.N.O)
- STORMWATER PIT REFERENCE NUMBER
- PROPOSED TREE

NOT

1. EXISTING SERVICES SHOWN ARE INDICATIVE ONLY.
2. DETAILED POTHOLING IS REQUIRED PRIOR TO COMMENCEMENT OF CONSTRUCTION TO VALIDATE THE DESIGN.
3. ALL EXISTING SERVICES ARE TO BE PROTECTED / RELOCATED TO THE SATISFACTION OF THE RELEVANT AUTHORITY
4. REFER HYDRAULIC ENGINEERS DRAWING FOR ALL PODIUM DRAINAGE

EDITH STREET

80 UNWINS BRIDGE RD

82 UNWINS BRIDGE RD

84 UNWINS BRIDGE RD

86 UNWINS BRIDGE RD

88 UNWINS BRIDGE RD

90 UNWINS BRIDGE RD

92 UNWINS BRIDGE RD

94 UNWINS BRIDGE RD

BUILDING 7

BUILDING 8

BUILDING 1

THE COMMONS
REFER LANDSCAPE DRAWINGS FOR DETAILS

MAKERS WAY

SUBSTATION ROOM

SUBSTATION ROOM

SUBSTATION ROOM

FIRE BOOSTER ROOM

WATER METER ROOM

EXISTING KERB & GUTTER TO BE PROTECTED DURING CONSTRUCTION

RECONSTRUCT EXISTING RAISED ASPHALT SPEED HUMP TO IWC STD DWG T2

TIE IN SMOOTHLY WITH EXISTING ROAD LEVEL

TIE IN SMOOTHLY WITH EXISTING FOOTPATH LEVEL

REINSTATE TREE PIT TO IWC STD DWG F1 (TYP.)

RECONSTRUCT EXISTING FOOTPATH TO IWC STD DWG F1 (TYP.)

REINSTATE KERB AND GUTTER. REFER TO DRAWING CI15-0-0-06 FOR DETAILS

REINSTATE EXISTING INDUSTRIAL VEHICULAR CROSSING TO IWC STD DWG R3 (TYP.)

EXISTING TREE TO REMAIN. REFER LANDSCAPE PLANS FOR DETAILS (TYP).

EXISTING ELECTRICAL SUBSTATION TO BE REMOVED. REFER TO ELECTRICAL DRAWINGS FOR DETAILS.

PROVIDE 1 X OCEANGUARD

PROVIDE 1 X OCEANGUARD TO GRATED DRAIN

PROVIDE 1 X OCEANGUARD TO GRATED SURFACE INLET PIT AND GRATED DRAIN

ADJOINS SHEET 2

ADJOINS SHEET 3

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	12-02-25

100mm on Original

Bar Scales

0 2 4 6 8 10m

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Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS CIVIL PACKAGE

Title: SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 1

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Status: FOR CONSTRUCTION — A0

Project - Drawing No.: CI10-0-1-01 — Issue: 1

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Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: SW PLAN SH2		Drawing No: CI10-0-2-02		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388

EXISTING KERB & GUTTER TO BE PROTECTED DURING CONSTRUCTION

EDITH STREET

REINSTATE EXISTING INDUSTRIAL VEHICULAR CROSSING TO IWC STD DWG R3 (TYP.)

RECONSTRUCT EXISTING RAISED ASPHALT SPEED HUMP TO IWC STD DWG T2

EXISTING TREE TO REMAIN. REFER LANDSCAPE PLANS FOR DETAILS (TYP).

RECONSTRUCT EXISTING FOOTPATH TO IWC STD DWG F1 (TYP.)

REINSTATE KERB AND GUTTER. REFER TO DRAWING CI15-0-0-06 FOR DETAILS

TIE IN SMOOTHLY WITH EXISTING ROAD LEVEL

TIE IN SMOOTHLY WITH EXISTING FOOTPATH LEVEL

VERGE LEVELS TO FALL TOWARDS BOUNDARY TO CONVEY OVERLAND FLOW INTO PROPOSED OVERLAND FLOW SWALE. REFER TO DRAWING CI00-0-0-04 FOR DETAILS.

52 EDITH ST

REFER TO DRAWING CI10-0-4-09 FOR OVERLAND FLOW PATH PLAN AND DETAILS

PROVIDE 300x300 VOID BENEATH RAISED PLANTER BED TO CONVEY OVERLAND FLOWS FROM THE GROVE TO 2 x Ø200 DOWNPIPES TO DISCHARGE INTO PROPOSED OVERLAND FLOW SWALE.

EXISTING SEWER MANHOLE TO REMAIN

BASEMENT RAMP
REFER TO ARCHITECTS DRAWINGS FOR BASEMENT RAMPS AND GRADES

BUILDING A

BUILDING B

PROPOSED OVERLAND FLOW PATH

SWALE

BASEMENT WALL

RETAINING WALL

ADJOINS SHEET 1

ADJOINS SHEET 4

DRAFT

LEGEND

EXISTING

- EXISTING BOUNDARY
- EXISTING EASEMENT
- EXISTING CONTOUR (MAJOR)
- EXISTING CONTOUR (MINOR)
- EXISTING FEATURE
- SUBSOIL
- EXISTING WATERMAIN
- EXISTING ELECTRICAL
- EXISTING OVERHEAD ELECTRICAL
- EXISTING GAS
- EXISTING TELECOMMS
- EXISTING STORMWATER
- EXISTING SEWER
- EXISTING TREE
- EXISTING TREE TO BE RETAINED

PROPOSED

- PROPOSED CONTOUR (MAJOR)
- PROPOSED CONTOUR (MINOR)
- SAWCUT
- FINISHED SURFACE LEVEL
- FOOTPATH
- KERB AND GUTTER
- VEHICULAR CROSSING
- TRENCH DRAIN
- SEALED PIT
- SURFACE INLET PIT
- KERB INLET PIT
- SURFACE INLET PIT WITH OCEANGUARD
- STORMWATER PIPE (Ø100 U.N.O)
- STORMWATER PIT REFERENCE NUMBER
- PROPOSED TREE

NOT

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Issue	Description	Date
2	ISSUED FOR APPROVAL	16-07-25
1	ISSUED FOR CONSTRUCTION	12-02-25

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Bar Scales

0 2 4 6 8 10m

1 : 100 @ A0

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Client

CORONATION

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		Designed	ASD
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Height Datum	AHD	Approved	AB

GDA2020

Project: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS CIVIL PACKAGE

Title: SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 2

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Status: FOR APPROVAL
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Size: A0

Project - Drawing No.: CI10-0-2-02

Issue: 2

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Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: SW PLAN SH3		Drawing No: CI10-0-3-03		
Rev	Date dd.mm.yy	Description	DP Full Name	Reg No
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388

LEGEND

EXISTING

- EXISTING BOUNDARY
- EXISTING EASEMENT
- 10.00 EXISTING CONTOUR (MAJOR)
- 10.00 EXISTING CONTOUR (MINOR)
- e(...) EXISTING FEATURE
- SUBSOIL
- W EXISTING WATERMAIN
- E EXISTING ELECTRICAL
- V A EXISTING OVERHEAD ELECTRICAL
- G EXISTING GAS
- T EXISTING TELECOMMS
- SW EXISTING STORMWATER
- S EXISTING SEWER
- EXISTING TREE
- EXISTING TREE TO BE RETAINED

PROPOSED

- 10.00 PROPOSED CONTOUR (MAJOR)
- 10.00 PROPOSED CONTOUR (MINOR)
- SC SAWCUT
- F 44.45 FINISHED SURFACE LEVEL
- FOOTPATH
- K&G KERB AND GUTTER
- VC VEHICULAR CROSSING
- TRENCH DRAIN
- SEALED PIT
- SURFACE INLET PIT
- KERB INLET PIT
- SURFACE INLET PIT WITH OCEANGUARD
- STORMWATER PIPE (Ø100 U.N.O)
- A-1 STORMWATER PIT REFERENCE NUMBER
- PROPOSED TREE

NOT

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4. REFER HYDRAULIC ENGINEERS DRAWING FOR ALL PODIUM DRAINAGE

96 UNWINS BRIDGE RD

98 UNWINS BRIDGE RD

100 UNWINS BRIDGE RD

102 UNWINS BRIDGE RD

104 UNWINS BRIDGE RD

106 UNWINS BRIDGE RD

108 UNWINS BRIDGE RD

110 UNWINS BRIDGE RD

1 STOREY BRICK RESIDENCE (TILE ROOF) No. 110 UNWINS BRIDGE ROAD

1 STOREY BRICK RESIDENCE (TILE ROOF) No. 98 UNWINS BRIDGE ROAD

2 STOREY RENDERED RESIDENCE (METAL ROOF) No. 62 MARY STREET

ADJOINS SHEET 1

ADJOINS SHEET 4

BUILDING 1

BUILDING C

BUILDING 2

BUILDING 2

MARY STREET

MARY STREET

MAKERS WAY

ALBION LANE

PROVIDE 1 X OCEANGUARD TO GRATED SURFACE INLET PIT AND GRATED DRAIN

PROVIDE 1 X OCEANGUARD TO GRATED DRAIN

REFER DRAWING CI60-0-3-01 AND CI60-0-3-02 FOR DETAILS

REINSTATE KERB AND GUTTER TO IWC STD DWG R1 (TYP.)

REINSTATE EXISTING INDUSTRIAL VEHICULAR CROSSING TO IWC STD DWG R3 (TYP.)

REINSTATE EXISTING INDUSTRIAL VEHICULAR CROSSING TO IWC STD DWG R3 (TYP.)

TIE IN SMOOTHLY WITH EXISTING FOOTPATH LEVEL

TIE IN SMOOTHLY WITH EXISTING ROAD LEVEL

REINSTATE TREE PIT TO IWC STD DWG F1 (TYP.)

CAUTION! TREE ROOTS

CAUTION! TREE ROOTS

REINSTATE EXISTING INDUSTRIAL VEHICULAR CROSSING TO IWC STD DWG R3 (TYP.)

RECONSTRUCT EXISTING FOOTPATH TO IWC STD DWG F1 (TYP.)

TIE IN SMOOTHLY WITH EXISTING ROAD LEVEL

TIE IN SMOOTHLY WITH EXISTING ROAD LEVEL

TIE IN SMOOTHLY WITH EXISTING KERB LIP LEVEL

CONSTRUCT INDUSTRIAL VEHICULAR CROSSING TO IWC STD DWG R3 (TYP.)

CONSTRUCT 900 x 900 JUNCTION PIT WITH CLASS 'D' SEALED LID AND PROVIDE 1 X OCEANGUARD

CONSTRUCT 2m WIDE FOOTPATH TO IWC STD DWG F1 AND REALIGN KERB LINE TO SUIT (TYP.)

CONSTRUCT 900 x 715 KERB INLET PIT WITH 1.8m LINTEL (ON-GRADE) AND CLASS 'D' GRATED LID TO IWC STD DWG D1

CONSTRUCT 900 x 900 KERB INLET PIT WITH 1.8m LINTEL (ON-GRADE) AND CLASS 'D' GRATED LID - TO IWC STD DWG D1

CONSTRUCT 900 x 715 KERB INLET PIT WITH 1.8m LINTEL (ON-GRADE) AND CLASS 'D' GRATED LID TO IWC STD DWG D1

CONSTRUCT 200mm HIGH KERB & GUTTER TO MATCH EXISTING CONDITION

CONTINUE FOOTPATH PAVING TO BUILDING LINE (TYP.)

RECONSTRUCT EXISTING KERB INLET PIT AS 900 x 715 WITH 1.8m LINTEL (ON-GRADE) AND CLASS 'D' GRATED LID TO IWC STD DWG D1

CAUTION SERVICES! EXISTING WATER TO BE RELOCATED AWAY FROM STORMWATER PIT

CAUTION SERVICES! EXISTING ELECTRICAL IN VICINITY

CAUTION SERVICES! EXISTING COMMS IN VICINITY

CAUTION SERVICES! EXISTING WATER IN VICINITY

CAUTION SERVICES! EXISTING COMMS IN VICINITY

CAUTION SERVICES! EXISTING WATER TO BE RELOCATED AWAY FROM STORMWATER PIT

CAUTION SERVICES! EXISTING WATER TO BE RELOCATED AWAY FROM STORMWATER PIT

CAUTION SERVICES! EXISTING WATER IN VICINITY

CAUTION SERVICES! EXISTING GAS IN VICINITY

STORMWATER FLOWS TO MARY STREET RL12.06 (BLOCKED)

EXISTING KERB & GUTTER TO BE PROTECTED DURING CONSTRUCTION

TRANSITION KERB HEIGHT FROM 150mm TO 200mm OVER 2m

RECONSTRUCT EXISTING RAISED ASPHALT SPEED HUMP TO IWC STD DWG T2

MK01

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	12-02-25

Bar Scales

0 2 4 6 8 10m

1 : 100 @ A0

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Client: CORONATION

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		Designed	ASD
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS CIVIL PACKAGE

Title: SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 3

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E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

Status: FOR CONSTRUCTION | A0

Project - Drawing No.: CI10-0-3-03 | Issue: 1

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: SW PLAN SH4		Drawing No: CI10-0-4-04		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388

REFER TO INSERT 'A' FOR CUT OFF SECTION

ADJOINS SHEET 2

ADJOINS SHEET 3

ROBERTS STREET

MARY STREET

BUILDING C

BASEMENT RAMP
REFER TO ARCHITECTS DRAWINGS FOR BASEMENT RAMPS AND GRADES

71 MARY ST

69 MARY ST

PROPOSED STAGE 1

59 MARY ST

55-57 MARY ST

Ø300 uPVC @ MIN. 0.5%
DS IL 10.74
US IL 10.81

Ø300 uPVC @ MIN. 0.5%
DS IL 10.84
US IL 10.92

Ø300 uPVC @ MIN. 0.5%
DS IL 10.95
US IL 11.03

Ø150 uPVC @ MIN. 1.0%
DS IL 12.26
US IL 12.40

Ø150 uPVC @ MIN. 1.0%
DS IL 12.00
US IL 12.44

Ø225 uPVC @ MIN. 0.5%
DS IL 11.06
US IL 11.12

Ø225 uPVC @ MIN. 0.5%
DS IL 11.15
US IL 11.20

Ø300 uPVC @ MIN. 1.0%
DS IL 9.33
US IL 9.60

PROPOSED 0.7m WIDE×0.3m HEIGHT CONCRETE BOX DRAIN WITH GALVANIZED GRATE & FRAME

CONCRETE SLAB FOR R.O.W ACCESS TO IWC STD DWG F1

REFER TO DRAWING C90-0-0-01 FOR RETAINING WALL PLAN AND DETAILS (TYP).

900mm WIDE GRASSED LINE DIVERSION SWALE

DIVERSION SWALE TO TIE INTO PROPOSED OVERLAND FLOW PATH SWALE

CONTINUE FOOTPATH PAVING TO BUILDING LINE (TYP.)

CONSTRUCT 900 x 900 JUNCTION PIT AND PROVIDE 1 X OCEANGUARD

CONSTRUCT 900 x 715 KERB INLET PIT WITH 1.8m LINTEL (ON-GRADE) AND CLASS 'D' GRATED LID TO IWC STD DWG D1

CAUTION SERVICES!
EXISTING SEWER IN VICINITY

RECONSTRUCT EXISTING KIP AS 900 x 715 WITH 1.2m LINTEL (ON-GRADE) AND CLASS 'D' GRATED LID TO IWC STD DWG D1

CONSTRUCT 200mm HIGH KERB & GUTTER TO MATCH EXISTING CONDITION

RECONSTRUCT EXISTING KIP AS 900 x 715 WITH 1.8m LINTEL (SAG) AND CLASS 'D' GRATED LID TO IWC STD DWG D1

SPLAY (TO ACHIEVE MIN. 3.5m WIDE AT KERB LINE AS PER IWC STD DWG R3) HAS NOT BEEN PROVIDED DUE TO CONSTRAINT WITH SAG PIT LOCATION

TIE IN SMOOTHLY WITH EXISTING FOOTPATH LEVEL

TIE IN SMOOTHLY WITH EXISTING ROAD LEVEL

CAUTION! TREE ROOTS

REINSTATE TREE PIT TO IWC STD DWG F1 (TYP.)

CAUTION SERVICES!
EXISTING COMMS, GAS, ELECTRICAL, WATER IN VICINITY

CONSTRUCT INDUSTRIAL VEHICULAR CROSSING TO IWC STD DWG R3 (TYP.)

REINSTATE EXISTING RESIDENTIAL VEHICULAR CROSSING TO IWC STD DWG R3 (TYP.)

EXISTING TREE STUMP TO BE REMOVED AND REPLACED WITH FOOTPATH

TIE IN SMOOTHLY WITH EXISTING ROAD LEVEL

SAG126.065

LEGEND

EXISTING

- EXISTING BOUNDARY
- EXISTING EASEMENT
- EXISTING CONTOUR (MAJOR)
- EXISTING CONTOUR (MINOR)
- EXISTING FEATURE
- SUBSOIL
- EXISTING WATERMAIN
- EXISTING ELECTRICAL
- EXISTING OVERHEAD ELECTRICAL
- EXISTING GAS
- EXISTING TELECOMMS
- EXISTING STORMWATER
- EXISTING SEWER
- EXISTING TREE
- EXISTING TREE TO BE RETAINED

PROPOSED

- PROPOSED CONTOUR (MAJOR)
- PROPOSED CONTOUR (MINOR)
- SAWCUT
- FINISHED SURFACE LEVEL
- FOOTPATH
- KERB AND GUTTER
- VEHICULAR CROSSING
- TRENCH DRAIN
- SEALED PIT
- SURFACE INLET PIT
- KERB INLET PIT
- SURFACE INLET PIT WITH OCEANGUARD
- STORMWATER PIPE (Ø100 U.N.O)
- STORMWATER PIT REFERENCE NUMBER
- PROPOSED TREE

NOT

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INSERT 'A'
1 : 100

DRAFT

Issue	Description	Date
3	ISSUED FOR APPROVAL	16-07-25
2	ISSUED FOR APPROVAL	16-07-25
1	ISSUED FOR CONSTRUCTION	12-02-25

Bar Scales
0 2 4 6 8 10m
1 : 100 @ A0

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Client: CORONATION

Scales	1:100	Drawn	ASD
		Designed	ASD
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS CIVIL PACKAGE

Title: SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 4

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Project - Drawing No. CI10-0-4-04

Issue 3

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Precinct 75 Stormwater Management Report MOD 2

CLIENT/ CORONATION PROPERTY

DATE/ MARCH 2025

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Document Registration

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Document Author	Roxanne Mae Macas (RM)

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3	General revision	Dec-2024	AB	☒	☒
4	General revision	Mar-2025	RM	☐	☐
				☐	☐

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Executive Summary

Coronation Property has proposed a residential / commercial development for the purpose of redeveloping an existing residential and commercial precinct to provide a build to rent (BTR) and commercial re-development at Precinct 75 located at 67 and 73 -83 Mary Street, 43 Roberts Street, and 50-52 Edith Street, St. Peters. The redevelopment has been approved by Inner West Council on 14 March 2023. Modification 1 was approved on 06 March 2024.

This report is to outline the changes to the proposed civil works associated with Modification No. 2, when compared to Modification No. 1 which generally covers the following:

- Changes to stormwater management
- Changes to water quality management

This report, prepared by AT&L, associated with Modification No. 2, will only outline the proposed changes to the Stormwater Management design components. A Stormwater Management Plan Report prepared by Stantec (Revision 008 – May 2023) to assist and satisfy the design requirements set out in the Marrickville Council DCP (2011) has largely been referenced in this report. A copy of this report by Stantec has been attached in Appendix B.

This report, prepared by AT&L, associated with Modification No. 2, is to address the changes in the stormwater design matters. Any civil design changes that are unchanged from the original design prepared by Stantec and approved under DA/2021/0800 are not to be discussed in this report, or otherwise stated as unchanged within this report.

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

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Version: 1, Version Date: 01/04/2025

1. Introduction

Coronation Property have engaged AT&L to prepare the Stormwater Management Plan (SWMP) for the redevelopment of Precinct 75 to satisfy the Civil Engineering requirements of the proposed Modification No. 2 to Development Application No. DA/2021/0800.

This report has been prepared to inform a modification to an approved Development Application (DA/2021/0800) for the redevelopment of Precinct 75. This report assesses the impact of Modification No. 2 and associated changes to the stormwater drainage and water quality management of the proposed development.

Modification No. 2 seeks to modify the following:

- On-Site Detention (OSD) Tanks
  - Complications raised by other Consultants resulted in the inclusion of OSD Tank 2, we now seek to remove OSD2 and increase the volume of OSD1.
- Water quality treatments and devices.
  - Changes to the water quality treatments and devices have been amended following the omission of OSD2 tank.

The changes to the stormwater drainage and water quality management associated with Modification No.2 are not substantially different to the approved Development Application DA/2021/0800 and the amended Modification No. 1, particularly in the context of the overall management of stormwater quantity and quality.

All the pertinent changes to the Civil Works design were done to achieve the design intent purpose of the previous Stantec Stormwater Management.

For more detail on the Modification No. 2 changes, refer to the civil drawings MOD package (1000 series).

1.1. Scope of Work

The objective of this Stormwater Management Plan Report is to outline the design criteria used for the civil engineering design of all components of Stormwater Management within the development and compare the design criteria to the approved design as part of the Development Application DA/2021/0800 and the subsequent modifications, as well as any relevant requirements of Inner West Council.

Furthermore, this report outlines the specific changes to the Stormwater Management Plan with respect to Modification No. 2 in order to demonstrate that the changes are not substantial different from the original and approved civil design under Development Application DA/2021/0800 or the subsequent Modification No. 2.

As aforementioned, for the original Development Application, a Stormwater Management Report was prepared by Stantec (Revision 008, dated May 2023). To assist in the review of AT&L's report for Modification No. 2, AT&L has sought to generally maintain the format and heading structure of the Stantec report. A copy of the Stantec report is attached in Appendix B.

This report should be read in conjunction with the AT&L Civil Engineering drawings attached in Appendix A, the approved Development Application civil drawings attached in Appendix B, and the Stormwater Management Report prepared by Stantec attached in Appendix B.

2. Relevant Policies, Standards and Guidelines

Relevant policies, standards, and guidelines are already outlined in Section 4 of Stormwater Management Report prepared by Stantec. These policies, standards, and guidelines remain the referenced documents in the preparation of Modification No. 2. Refer to Appendix B for a copy of the Stantec Report.

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3. Existing Site Characteristics

For existing site characteristic details, including the details of the real property, topography, stormwater external catchments, existing stormwater infrastructure and discharge, refer to Stantec Stormwater Management Report Section 5 in Appendix B to this report. These site characteristics remain unchanged as part of Modification No. 2.

4. Stormwater Drainage

4.1. Stormwater Drainage Design Requirements

Stormwater management design requirements have been set out in The Marrickville Council Development Control Plans (2011).

These are summarised in the sections below.

4.1.1. Stormwater Conveyance Requirements

Building on the Stantec SWMP report, the site has been considered as Residential High Density. The following design storms Annual Exceedance Probability (AEP) have been allowed in designing the stormwater runoff conveyance systems. The Marrickville Council DCP 2011 – 2.25 Stormwater Management still states the design storm event in Annual Recurrence Interval, which has been converted to AEP to be consistent with AR&R 2019. They are summarised in Table 1.

Design Parameter	Annual Recurrence Interval (ARI)	Annual Exceedance Probability (AEP)/ Exceedance per Year (EY)	Conveyance Method)
Minor Drainage System	1 in 20	5% AEP	In-Ground (Piped)
Major Drainage System	1 in 100	1% AEP	Overland

Table 1 Stormwater Drainage Serviceability

4.1.2. On Site Detention Requirements

Requirements for the On-Site Detention (OSD) design have already been outlined in Section 6.1.2 of the SWMP report prepared by Stantec, refer to Appendix B of this report.

These are generally unchanged, except the requirement wherein the on-site detention must be designed for all storm events from 1 in 20 year to 1 in 100 year storm event as stated in Item G of Condition 54 of the Notice of Determination – Approval. Refer to Table 1 for reference.

4.1.3. Stormwater Quality

Stormwater Quality target requirements have been outlined in the Stormwater Management Plan Report by Stantec. Refer to Section 6.1.3 of the report attached in Appendix B of this report.

4.2. Stormwater Conveyance

This section outlines the changes made associated with Modification No. 2. The original design intent remain generally unchanged including roof drainage, surface drainage, and a legal point of discharge. Refer to Section 6.2 of the SWMP report by Stantec attached in Appendix B of this report.

Removal of OSD Tank 2 from the original design results in the landscaped area in the southeast side of the site bypassing the OSD tank. This catchment configuration is in accordance with the natural fall of the site and does not impact the existing condition of the surface runoff. All other bypass sub catchments have been outlined in the Civil Drawings attached in Appendix A.

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5. Stormwater Attenuation

As discussed in Section 4.2 of this report, OSD Tank 2 has been removed and resulted in additional catchments bypassing OSD Tank 2. The surface runoff from these bypass catchments has been offset by the discharge from OSD Tank 1 to be consistent and in accordance with the design requirements set out in the Stantec SWMP Report.

In the Condition 54 Item G of the Notice of Determination DA/2021/0800, the existing site has been modelled as fully pervious. The overall site discharge must be equal or less than the amended existing catchment flows. This is summarised in Table 2.

Storm Event	Pre-Development Flows (m^3)	Post Development Flows (m^3)
5% AEP	0.426	0.323
2% AEP	0.508	0.331
1% AEP	0.638	0.349

Table 2 Pre vs Post Development Flow Summary

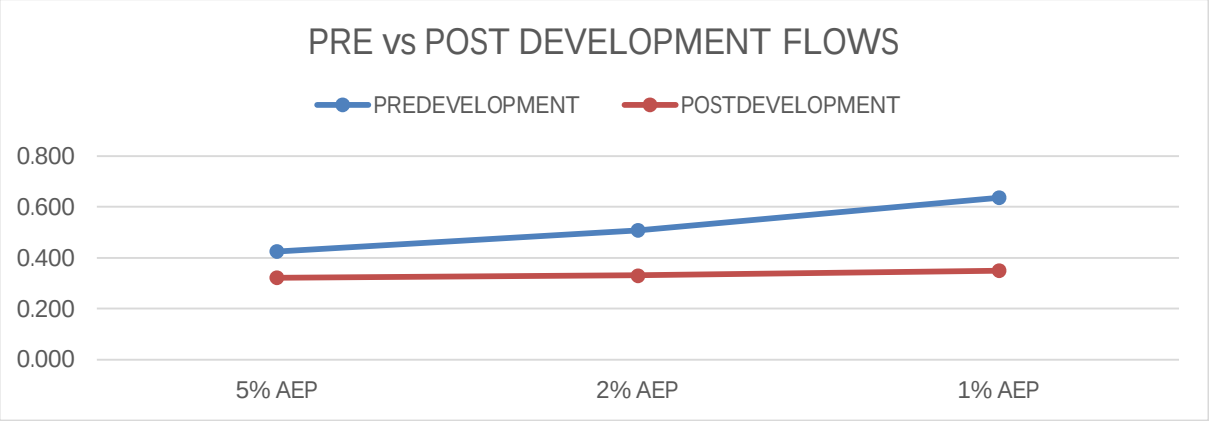

Figure 1 Pre vs Post Development Flow Chart

Proposed discharge control of OSD Tank 1 utilises a High Early Discharge configuration to achieve a more efficient design. For more details, refer to the AT&L Civil Drawings attached in Appendix A.

5.1. Drains Input Parameters

Hydraulic modelling software DRAINS has been used to determine the discharge flows outlined in Section 5 of this report. The input parameters have remained unchanged from the SWMP report by Stantec attached in Appendix B of this report.

6. Flood Impact Assessment

The overall site discharge, including the surface runoff from the bypassing catchments, either matches or is below the fully pervious existing catchment runoff at storm events from 0.2EY up to 1% AEP as required by Condition 54 of the Development Consent. The existing condition of the site as discussed in Section 5 of Stantec SWMP report is comprised of a concrete carpark and various industrial developments that generate larger surface flow. By this definition, the proposed development at Precinct 75 does not pose any impact to the surrounding and downstream properties.

For a further discussion of the flood impact of the proposed development, refer to Section 8 of the Stantec Stormwater Management Plan Report attached in Appendix B.

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7. Water Quality Treatment

As discussed in Section 4 of this report and Section 6 of SWMP report by Stantec, The Marrickville Council DCP (2011) required stormwater quality treatments on new developments to limit the pollutant loading discharged into the council drainage system.

This section only outlines the changes made in Water Quality Treatment devices associated with Modification No. 2. Potential source of pollutants and its reduction system are already discussed in the Stantec Report. Refer to Section 9.1 and 9.2 of this report attached in Appendix B.

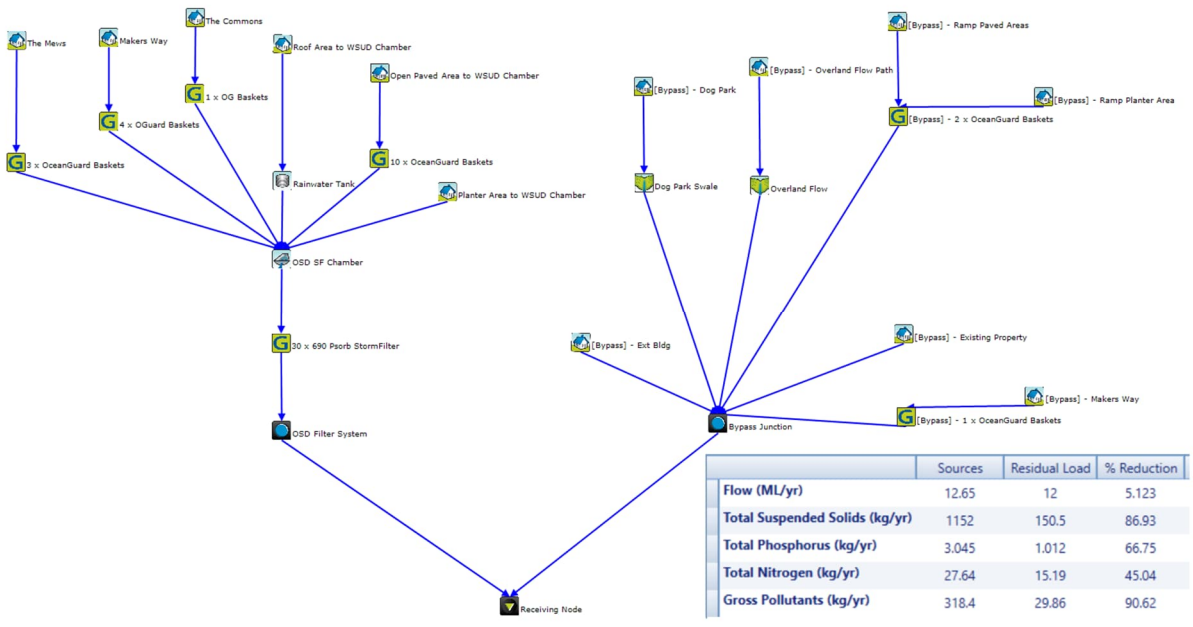
7.1. Water Treatment Modelling

To demonstrate that the proposed treatment train meets the required pollutant reduction targets set out in The Marrickville Council DCP (2011) – 2.17, Model for Urban Stormwater Improvement Conceptualisation X (MUSICX) software has been utilised.

The proposed treatment devices remain largely similar to the original scope of the Development Application, however, due to the removal of OSD Tank 2, additional treatment devices in the various areas of the proposed development are introduced to meet the council requirements.

The proposed treatment train devices include the following:

- OceanProtect Cartridge Filters within the On-Site Detention Tanks
- OceanProtect Ocean Guard baskets within the stormwater inlet pits and grates
- Rainwater Tank
- Grassed swales



	Sources	Residual Load	% Reduction
Flow (ML/yr)	12.65	12	5.123
Total Suspended Solids (kg/yr)	1152	150.5	86.93
Total Phosphorus (kg/yr)	3.045	1.012	66.75
Total Nitrogen (kg/yr)	27.64	15.19	45.04
Gross Pollutants (kg/yr)	318.4	29.86	90.62

Figure 2 MUSICX model and Results

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Pollutant	Target (%)	Reduction (%)	Target Achieved
Total Suspended Solid (TSS)	85	86.93	Y
Total Phosphorus (TP)	60	66.75	Y
Total Nitrogen (TN)	45	45.04	Y
Gross Pollutants (GP)	90	90.62	Y

Table 3 MUSICX Results vs Targets Summary

7.1.1. Water Quality Treatment Devices

This section only outlines the changes in the water quality devices associated with Modification No. 2. The product description and technical specifications have already been outlined in the SWMP report by Stantec and can also be accessed online through OceanProtect's website.

The below lists the treatment devices put together to achieve the required pollutant reduction set out in the Marrickville Council DCP (2011) – 2.17.

- Catchments through the OSD Tank
  - 28 x OceanProtect 690 Psorb Stormfilter within the OSD Tank
  - Rainwater Tank intended for reuse
  - 10 x OceanProtect Ocean Guard Baskets in The Grove (refer to Hydraulics drawings for reference)
  - 1 x OceanProtect Ocean Guard Baskets in The Commons (refer to Civil drawings for reference)
  - 3 x OceanProtect Ocean Guard Baskets in The Mews (refer to Civil drawings for reference)
  - 4 x OceanProtect Ocean Guard Baskets along Makers Way (refer to Civil drawings for reference)
- Bypass Catchments
  - 3 x OceanProtect Ocean Guard Baskets in along Mary Street (refer to Civil drawings for reference)
  - Grassed swale through the overland flow path
  - Grassed swale in The Garden (Dog Park)

Two existing trees at the end of Roberts Street are within the protected zone area. This limits the conveyance of stormwater runoff to the existing stormwater infrastructure towards Mary Street and thus, grassed swale have been used.

8. Water Sensitive Urban Design Strategy

The Water Sensitive Urban Design (WSUD) strategy remain largely unchanged from the Stormwater Management Plan prepared by Stantec. For full details of this discussion, refer to Section 10 of the report attached in Appendix B of this report.

9. Stormwater Network Maintenance Schedule

Maintenance schedule of the stormwater network have been fully discussed in the SWMP report by Stantec. Refer to Section 11 of the report attached in Appendix B

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10. Erosion and Sedimentation Control

Plan for erosion and sedimentation control has remained unchanged from the original design of the original Development Application. For further information, refer to Appendix B for a copy of the SWMP report prepared by Stantec.

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Appendix A – AT&L Civil Design Drawings for Modification No. 2

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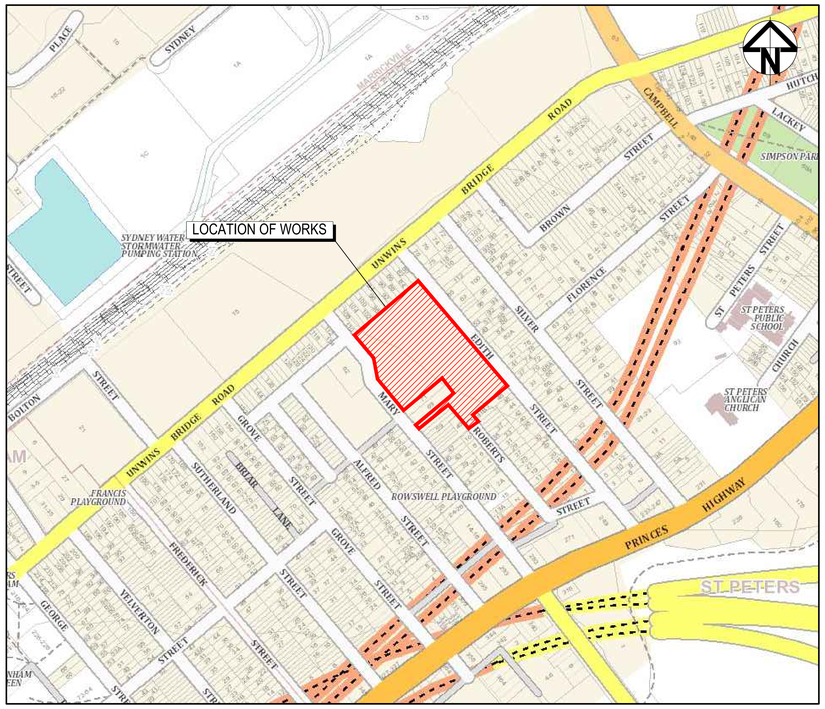
Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: COVER SHEET		Drawing No: CI00-0-0-00		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388

PRECINCT 75 - ST PETERS, NSW 2044

MAIN WORKS CIVIL PACKAGE



LOCALITY PLAN
N.T.S

DRAWING NO.	DRAWING TITLE
GENERAL	
CI00-0-0-00	COVER SHEET, DRAWING LIST AND LOCALITY PLAN
CI00-0-0-01	GENERAL NOTES AND LEGENDS SHEET 1
CI00-0-0-03	GENERAL ARRANGEMENT PLAN
CI00-0-0-04	TYPICAL SECTIONS
SITEWORKS AND STORMWATER DRAINAGE	
CI10-0-1-01	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 1
CI10-0-2-02	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 2
CI10-0-3-03	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 3
CI10-0-4-04	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 4
CI10-0-4-10	OVERLAND FLOW SWALE SECTIONS
SITEWORKS DETAILS	
CI15-0-0-01	SITEWORKS DETAILS SHEET 1
CI15-0-0-02	SITEWORKS DETAILS SHEET 2
CI15-0-0-03	SITEWORKS DETAILS SHEET 3
CI15-0-0-04	SITEWORKS DETAILS SHEET 4
CI15-0-0-06	SITEWORKS DETAILS SHEET 6
STORMWATER DETAILS	
CI20-0-0-01	STORMWATER DRAINAGE DETAILS SHEET 1
CI20-0-0-02	STORMWATER DRAINAGE DETAILS SHEET 2
CI20-0-0-03	STORMWATER DRAINAGE DETAILS SHEET 3
CI20-0-0-04	STORMWATER DRAINAGE DETAILS SHEET 4
CI20-0-0-05	STORMWATER DRAINAGE DETAILS SHEET 5
CI20-0-0-06	STORMWATER DRAINAGE DETAILS SHEET 6
CI20-0-0-07	STORMWATER DRAINAGE DETAILS SHEET 7
SIGNAGE AND LINEMARKING	
CI30-0-0-01	SIGNAGE AND LINEMARKING PLAN SHEET 1
PAVEMENT	
CI40-0-0-01	PAVEMENT PLAN SHEET 1
STORMWATER DRAINAGE	
CI50-0-0-01	STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 1
CI50-0-0-02	STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 2
CI50-0-0-04	STORMWATER DRAINAGE WSUD CATCHMENT PLAN
CI50-0-0-05	STORMWATER DRAINAGE CALCULATION CATCHMENT PLAN
CI50-0-0-06	STORMWATER DRAINAGE CALCULATION
CI50-0-3-01	STORMWATER DRAINAGE OSD PLAN SECTIONS AND DETAILS
EROSION AND SEDIMENT CONTROL	
CI60-0-0-01	EROSION AND SEDIMENT CONTROL PLAN
CI60-0-0-02	EROSION AND SEDIMENT CONTROL DETAILS
PUBLIC DOMAIN	
CI70-0-0-01	PUBLIC DOMAIN CONTROL ALIGNMENT PLAN SHEET 1
CI70-0-0-05	PUBLIC DOMAIN MK01 LONGITUDINAL SECTIONS SHEET 1
CI70-0-0-06	PUBLIC DOMAIN MK01 LONGITUDINAL SECTIONS SHEET 2
CI70-0-0-07	PUBLIC DOMAIN MK02 LONGITUDINAL SECTIONS SHEET 1
CI70-0-0-08	PUBLIC DOMAIN MK02 LONGITUDINAL SECTIONS SHEET 2
CI70-0-0-10	PUBLIC DOMAIN MK01 CROSS SECTIONS SHEET 1
CI70-0-0-11	PUBLIC DOMAIN MK01 CROSS SECTIONS SHEET 2
CI70-0-0-12	PUBLIC DOMAIN MK01 CROSS SECTIONS SHEET 3
CI70-0-0-15	PUBLIC DOMAIN MK02 CROSS SECTIONS SHEET 1
CI70-0-0-16	PUBLIC DOMAIN MK02 CROSS SECTIONS SHEET 2
GROUND CLEARANCE AND TURN PATH	
CI80-0-0-01	DRIVEWAY CONTROL ALIGNMENT PLAN
CI80-0-0-02	DRIVEWAY LONGITUDINAL SECTIONS SHEET 1
CI80-0-0-03	DRIVEWAY LONGITUDINAL SECTIONS SHEET 2
CI80-0-0-04	DRIVEWAY LONGITUDINAL SECTIONS SHEET 3
CI80-0-0-05	DRIVEWAY LONGITUDINAL SECTIONS SHEET 4
RETAINING WALLS	
CI90-0-0-01	RETAINING WALL PLAN
CI90-0-0-02	RETAINING WALL PLAN AND LONGITUDINAL SECTIONS SHEET 1
~~CI90-0-0-03~~	~~RETAINING WALL PLAN AND LONGITUDINAL SECTIONS SHEET 2~~
CI90-0-0-05	RETAINING WALL DETAILS SHEET 1
CI90-0-0-06	RETAINING WALL DETAILS SHEET 2

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	12-02-25

100mm on Original

Bar Scales

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Client: CORONATION

Scales: NTS
Grid: GDA20 MGA56
Height Datum: AHD

Drawn: ASD
Designed: ASD
Checked:
Approved: AB

GDA2020

Project: PRECINCT 75
ST PETERS, NSW 2044
MAIN WORKS
CIVIL PACKAGE

Title: COVER SHEET,
DRAWING LIST
AND LOCALITY PLAN

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

Status: FOR CONSTRUCTION
A0

Project - Drawing No.: CI00-0-0-00
Issue: 1

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Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: GENERAL NOTES		Drawing No: CI00-0-0-01		
Rev	Date dd.mm.yy	Description	DP Full Name	Reg No
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388

KERBING NOTES

1. ALL CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 32 MPa U.N.O IN REINFORCED CONCRETE NOTES FOR ALL PUBLIC DOMAIN WORKS.
2. ALL KERBS, GUTTERS, DISH DRAINS AND CROSSINGS TO BE CONSTRUCTED ON 100mm GRANULAR BASECOURSE COMPACTED TO MINIMUM 95% MODIFIED DRY DENSITY (AS 1289 5.2.1).
3. EXPANSION JOINTS (E.J) TO BE FORMED FROM 10mm COMPRESSIBLE CORK FILLER BOARD FOR THE FULL DEPTH OF THE SECTION AND CUT TO PROFILE. EXPANSION JOINTS TO BE LOCATED AT DRAINAGE PITS, ON TANGENT POINTS OF CURVES AND ELSEWHERE AT MAX 12m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE EXPANSION JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLABS.
4. WEAKENED PLANE JOINTS TO BE MIN 3mm WIDE AND LOCATED AT 3m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE WEAKENED PLANE JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLABS.
5. BROOMED FINISH TO ALL RAMPED AND VEHICULAR CROSSINGS. ALL OTHER KERBING OR DISH DRAINS TO BE STEEL FLOAT FINISHED.
6. IN THE REPLACEMENT OF KERB AND GUTTER :- EXISTING ROAD PAVEMENT IS TO BE SAWCUT 900mm U.N.O FROM THE LIP OF GUTTER. UPON COMPLETION OF THE NEW KERB AND GUTTER NEW BASECOURSE AND SURFACE TO BE LAID 600mm WIDE U.N.O. EXISTING ALLOTMENT DRAINAGE PIPES ARE TO BE BUILT INTO THE NEW KERB AND GUTTER WITH 100mm DIA HOLE. EXISTING KERB AND GUTTER IS TO BE COMPLETELY REMOVED WHERE NEW KERB AND GUTTER IS SHOWN.

SITEWORKS NOTES

1. . ORIGIN OF LEVELS:- REFER SURVEY NOTES
2. ALL WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH THE LOCAL GOVERNMENT AUTHORITIES ENGINEERING CONSTRUCTION SPECIFICATION FOR CIVIL WORKS.
3. PRIOR TO THE COMMENCEMENT OF THE WORKS THE CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCIES TO BE REPORTED TO AT&L.
4. PRIOR TO THE COMMENCEMENT OF THE WORKS, THE CONTRACTOR IS TO VERIFY THE ALIGNMENT AND LEVELS OF ALL EXISTING SERVICES AT ALL LOCATIONS WHERE THE PROPOSED SERVICES ARE TO CROSS, CONNECT TO OR ARE LOCATED IN CLOSE PROXIMITY TO THE EXISTING SERVICES. ANY DISCREPANCIES TO BE REPORTED TO AT&L.
5. CONTRACTOR MUST MAKE SMOOTH CONNECTION WITH ALL EXISTING WORKS.
6. ALL TRENCH BACKFILL MATERIAL SHALL BE COMPACTED TO THE SAME DENSITY AS THE ADJACENT MATERIAL.
7. ALL SERVICE TRENCHES UNDER VEHICULAR PAVEMENTS SHALL BE BACKFILLED WITH SAND TO 300mm ABOVE PIPE. WHERE PIPE IS UNDER PAVEMENTS BACKFILL, REMAINDER OF TRENCH TO UNDERSIDE OF PAVEMENT WITH SAND OR APPROVED GRANULAR MATERIAL COMPACTED IN 150mm LAYERS TO MINIMUM 98% MODIFIED MAXIMUM DRY DENSITY IN ACCORDANCE WITH THE CURRENT AS 1289.5.2.1 (OR A DENSITY INDEX OF NOT LESS THAN 75).
8. PROVIDE 10mm WIDE ISOLATION JOINTS BETWEEN BUILDINGS AND ALL CONCRETE OR UNIT PAVEMENTS.
9. ASPHALTIC CONCRETE SHALL CONFORM TO THE CURRENT TFNSW SPECIFICATION TS 03283.1 (R116) HEAVY DUTY DENSE GRADED ASPHALT.
10. ALL BASECOURSE AND SUB-BASE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH THE CURRENT TFNSW SPECIFICATION TS 03315.1 (3051) GRANULAR BASE AND SUBBASE MATERIALS FOR SURFACED ROAD PAVEMENTS COMPACTED TO MINIMUM 98% MODIFIED DENSITY IN ACCORDANCE WITH THE CURRENT AS 1289 5.2.1.
FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 25m^3 OF BASECOURSE MATERIAL PLACED UNLESS OTHERWISED APPROVED BY AT&L.
11. AS AN ALTERNATIVE TO THE USE OF IGNEOUS ROCK AS A SUB-BASE MATERIAL (IN NOTE 10) A CERTIFIED RECYCLED CONCRETE MATERIAL COMPLYING WITH THE CURRENT TFNSW SPECIFICATION TS 03315.1 (3051) GRANULAR BASE AND SUBBASE MATERIALS FOR SURFACED ROAD PAVEMENTS WILL BE CONSIDERED. SUBJECT TO MATERIAL SAMPLES AND APPROPRIATE CERTIFICATIONS BEING PROVIDED TO THE SATISFACTION OF AT&L.
12. SHOULD THE CONTRACTOR WISH TO USE A RECYCLED PRODUCT THE CONTRACTOR IS TO SEEK ACCEPTANCE OF THE PRODUCT FROM AT&L. THE PRICE DIFFERENCE BETWEEN AN IGNEOUS PRODUCT AND A RECYCLED PRODUCT SHALL BE CLEARLY INDICATED.
13. WHERE NOTED ON THE DRAWINGS THAT WORKS ARE TO BE CARRIED BY OTHERS, (EG. ADJUSTMENT OF SERVICES), THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CO-ORDINATION OF THESE WORKS.
14. ALL WORKS CARRIED OUT ADJACENT TO AND WITHIN SERVICE EASEMENTS ARE TO COMPLY WITH THE RELEVANT SERVICE AUTHORITIES GUIDELINES AND REQUIREMENTS.

BEFORE YOU DIG www.byda.com.au

CONTRACTOR SHALL OBTAIN ALL CURRENT SERVICE AUTHORITY PLANS PRIOR TO COMMENCEMENT OF WORK

CONCRETE NOTES

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600(2018) CURRENT EDITION WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
2. CONCRETE QUALITY ALL REQUIREMENTS OF THE CURRENT ACSE CONCRETE SPECIFICATION DOCUMENT 1 SHALL APPLY TO THE FORMWORK, REINFORCEMENT AND CONCRETE UNLESS NOTED OTHERWISE.

ELEMENT	AS 3600 F'c MPa AT 28 DAYS	SPECIFIED SLUMP	NOMINAL AGG. SIZE
VEHICULAR BASE	32	60	20
KERBS, PATHS, AND PITS	32	80	20

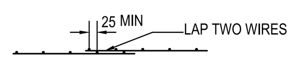
- CEMENT TYPE SHALL BE (ACSE SPECIFICATION) TYPE SL
- PROJECT CONTROL TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH AS 1379.

3. NO ADMIXTURES SHALL BE USED IN CONCRETE UNLESS APPROVED IN WRITING BY AT & L.
4. CLEAR CONCRETE COVER TO ALL REINFORCEMENT FOR DURABILITY SHALL BE 40mm TOP AND 70mm FOR EXTERNAL EDGES UNLESS NOTED OTHERWISE.
5. ALL REINFORCEMENT SHALL BE FIRMLY SUPPORTED ON MILD STEEL PLASTIC TIPPED CHAIRS, PLASTIC CHAIRS OR CONCRETE CHAIRS AT NOT GREATER THAN 1m CENTRES BOTH WAYS. BARS SHALL BE TIED AT ALTERNATE INTERSECTIONS.
6. THE FINISHED CONCRETE SHALL BE A DENSE HOMOGENEOUS MASS, COMPLETELY FILLING THE FORMWORK, THOROUGHLY EMBEDDING THE REINFORCEMENT AND FREE OF STONE POCKETS. ALL CONCRETE INCLUDING SLABS ON GROUND AND FOOTINGS SHALL BE COMPACTED AND CURED IN ACCORDANCE WITH R.M.S. SPECIFICATION R83.
7. REINFORCEMENT SYMBOLS:
N DENOTES GRADE 450 N BARS TO AS/NZS 4671 GRADE N
R DENOTES 230 R HOT ROLLED PLAIN BARS TO AS/NZS 4671
SL DENOTES HARD-DRAWN WIRE REINFORCING FABRIC TO AS/NZS 4671

NUMBER OF BARS IN GROUP — BAR GRADE AND TYPE
17 N 20 250
NOMINAL BAR SIZE IN mm — SPACING IN mm

THE FIGURE FOLLOWING THE FABRIC SYMBOL SL IS THE REFERENCE NUMBER FOR FABRIC TO AS/NZS 4671.

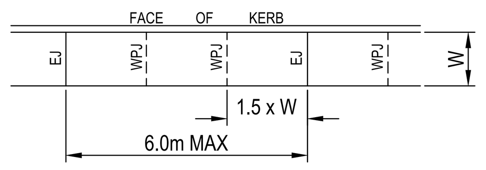
8. FABRIC SHALL BE LAPPED IN ACCORDANCE WITH THE FOLLOWING DETAIL:



JOINTING NOTES

PEDESTRIAN PAVEMENT JOINTS

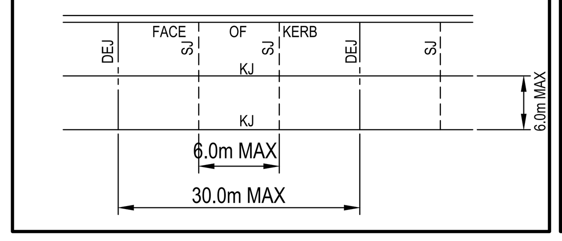
1. ALL PEDESTRIAN PAVEMENTS ARE TO BE JOINTED AS FOLLOWS. (U.N.O)
2. EXPANSION JOINTS ARE TO BE LOCATED WHERE POSSIBLE AT TANGENT POINTS OF CURVES AND ELSEWHERE AT MAX. 6.0m CENTRES.
3. WEAKENED PLANE JOINTS ARE TO BE LOCATED AT A MAX. SPACING OF 1.5 x WIDTH OF THE PAVEMENT.
4. WHERE POSSIBLE JOINTS SHOULD BE LOCATED TO MATCH KERBING AND OR ADJACENT PAVEMENT JOINTS.
5. PEDESTRIAN PAVEMENT JOINT DETAIL.



NB: CHECK RELEVANT COUNCIL REQUIREMENTS IF IN PUBLIC ROAD.

VEHICULAR PAVEMENT JOINTS

6. ALL VEHICULAR PAVEMENTS TO BE JOINTED AS FOLLOWS. (U.N.O)
7. ALL VEHICULAR PAVEMENTS TO BE JOINTED AS SHOWN ON DRAWINGS.
8. KEYED CONSTRUCTION JOINTS SHOULD GENERALLY BE LOCATED AT A MAX OF 6.0m CENTRES
9. SAWN JOINTS SHOULD GENERALLY BE LOCATED AT A MAX OF 6.0m CENTRES WITH DOWELED EXPANSION JOINTS AT MAX 30.0m CENTRES
10. VEHICULAR PAVEMENT JOINT DETAIL.



STORMWATER DRAINAGE NOTES

GENERAL NOTES

1. STORMWATER DESIGN CRITERIA:
ANNUAL EXCEEDANCE PROBABILITY:
MINOR STORM: 5% AEP
MAJOR STORM: 1% AEP
2. PIPES LESS THAN 300 DIA SHALL BE SEWER GRADE uPVC WITH SOLVENT WELDED JOINTS.
3. ENLARGERS, CONNECTIONS AND JUNCTIONS TO BE PREFABRICATED FITTINGS WHERE PIPES ARE LESS THAN DN300.
4. ALL INTERNAL WORKS WITHIN PROPERTY BOUNDARIES ARE TO COMPLY WITH THE REQUIREMENTS OF THE CURRENT AS 3500 3.1 AND AS/NZS 3500 3.2.
5. ALL STORMWATER DRAINAGE LINES UNDER PROPOSED BUILDING SLABS TO BE uPVC PRESSURE PIPE GRADE 6. ENSURE ALL VERTICALS AND DOWNPIPES ARE uPVC PRESSURE PIPE, GRADE 6 FOR A MIN OF 3.0m IN HEIGHT.
6. ALL DRAINAGE LINES TO PROVIDE A 3.0M LENGTH OF DN100 SUBSOIL DRAINAGE PIPE WRAPPED IN FABRIC SOCK, ON THE UPSTREAM SIDE OF EACH PIT. ALLOW FOR SECONDARY SUBSOIL FOR PIPES FOR PIPE GRATER THAN DN825.
7. SUBSOIL DRAIN WRAPPED IN APPROVED FILTER SOCK SHALL BE PROVIDED BENEATH ALL KERBLINES WHERE NO DRAINAGE LINES ARE SHOWN ON THE DRAWINGS AND SHALL DISCHARGE INTO DOWNSTREAM PITS.
8. WHERE SUBSOIL DRAINS PASS UNDER FLOOR SLABS AND VEHICULAR PAVEMENTS, UNSLOTTED uPVC SEWER GRADE PIPES ARE TO BE USED.
9. CARE IS TO BE TAKEN WITH LEVELS OF STORMWATER LINES. GRADES SHOWN ARE NOT TO BE REDUCED WITHOUT APPROVAL FROM AT&L.
10. GRATES AND COVERS SHALL CONFORM TO THE CURRENT AS 3996. CLASS D COVER (MINIMUM) SHALL BE PROVIDED IN TRAFFICKED PAVEMENTS WITH CLASS B (MINIMUM) BEING PROVIDED IN NON-TRAFFICKED AREAS.
11. AT ALL TIMES DURING CONSTRUCTION OF STORMWATER PITS, THE CONTRACTOR SHALL PROVIDE ADEQUATE SAFETY PROCEDURES TO PREVENT THE POSSIBILITY OF PERSONNEL FALLING DOWN PITS.
12. ALL PITS AND PIPES TO BE FOUNDED ON SUITABLE MATERIAL WITH A MINIMUM ALLOWABLE BEARING CAPACITY OF 100KPa UP TO 3.0m DEPTH TO INVERT AND 150KPa FROM 3.0m TO 6.0m DEPTH TO INVERT ONCE EXCAVATED. A CONCRETE BLINDING LAYER (MINIMUM 100mm THICK 25MPa OR DEEPER TO ENSURE MINIMUM SPECIFIED BEARING CAPACITY IS ACHIEVED) MAY BE PROVIDED. CONTRACTOR TO ENGAGE GEOTECHNICAL ENGINEER TO PROVIDE WRITTEN CONFIRMATION.
13. ALL EXISTING STORMWATER DRAINAGE LINES AND PITS THAT ARE TO REMAIN ARE TO BE INSPECTED AND CLEANED. DURING THIS PROCESS ANY PART OF THE STORMWATER DRAINAGE SYSTEM THAT WARRANTS REPAIR SHALL BE REPORTED TO THE SUPERINTENDENT/ENGINEER FOR FURTHER DIRECTIONS.
14. ALL STORMWATER PITS ARE TO BE CAST IN-SITU IN ACCORDANCE WITH THE STORMWATER DETAILS AND SPECIFICATIONS.
15. ALL PITS MUST BE BENCHED AND STREAMLINED TO DIRECT WATER FROM THE INLET PIPE TO THE OUTLET PIPE.
16. PITS DEEPER THAN 600mm MUST BE FITTED WITH DOUBLE STEP-IRONS IN ACCORDANCE WITH THE CURRENT AS1657. PLASTIC ENCAPSULATED MAY BE USED. STEP-IRONS TO BE PROVIDED ON A SINGLE FACE WHERE POSSIBLE. SHOULD STEP-IRONS REQUIRE TO CHANGE FACE THEN 3 OVERLAPPING STEP IRONS ARE TO BE LOCATED ON EACH FACE.
17. FREQUENCY OF COMPACTION TESTING SHALL BE NOT LESS THAN 1 TEST PER 2 LAYERS PER 40 LINEAR METERS.

RIGID & SEMI-RIGID PIPE NOTES

18. PIPES 300 DIA. AND LARGER TO BE STEEL REINFORCED CONCRETE CLASS '3' APPROVED SPIGOT AND SOCKET WITH RUBBER RING JOINTS. U.N.O. ALL ROAD CROSSINGS TO BE CLASS '4' U.N.O.
EQUIVALENT STRENGTH FIBRE REINFORCED CONCRETE PIPES MAY BE USED SUBJECT TO APPROVAL BY AT&L OR THE LOCAL GOVERNMENT AUTHORITY.
19. REINFORCED CONCRETE PIPES TO COMPLY WITH THE CURRENT AS/NZS 4058.
FIBRE REINFORCED CONCRETE PIPES TO COMPLY WITH THE CURRENT AS 4139.
PIPES TO BE INSTALLED WITH TYPE HS3 (ROAD) AND HS2 (LOTS) SUPPORT IN ACCORDANCE WITH THE CURRENT AS/NZS 3725. N ALL CASES BACKFILL EMBEDMENT ZONE WITH SELECT FILL (MINIMUM CBR 15%) TO 300mm ABOVE PIPE. WHERE PIPE IS UNDER PAVEMENTS BACKFILL REMAINDER OF TRENCH TO UNDERSIDE OF PAVEMENT WITH SAND OR APPROVED GRANULAR MATERIAL COMPACTED IN 150mm LAYERS TO MINIMUM 98% STANDARD MAXIMUM DRY DENSITY IN ACCORDANCE WITH THE CURRENT AS 1289.5.2.1. (OR A DENSITY INDEX OF NOT LESS THAN 75).

FLEXIBLE PIPE NOTES

20. FLEXIBLE PIPES TO COMPLY WITH THE CURRENT AS/NZS 2566.1.
PIPES TO BE INSTALLED IN ACCORDANCE WITH THE CURRENT AS/NZS 2566.2. IN ALL CASES BACKFILL EMBEDMENT ZONE WITH GRAVEL OR SAND TO 300mm ABOVE PIPE. WHERE PIPE IS UNDER PAVEMENTS BACKFILL REMAINDER OF TRENCH TO UNDERSIDE OF PAVEMENT WITH SAND OR APPROVED GRANULAR MATERIAL COMPACTED IN 150mm LAYERS TO MINIMUM 98% STANDARD MAXIMUM DRY DENSITY IN ACCORDANCE WITH THE CURRENT AS 1289.5.2.1. (OR A DENSITY INDEX OF NOT LESS THAN 75)

PRECAST CONCRETE PIT NOTES

21. PRECAST PIT MAY BE USED WITH THE APPROVAL OF AT&L THE SUPERINTENDENT AND THE LOCAL GOVERNMENT AUTHORITY AND SHALL BE INSTALLED TO THE MANUFACTURERS RECOMENDATIONS.
22. ALL PRE-CAST PITS ARE TO BE STRUCTURALLY CERTIFIED TO MEET RELEVANT REQUIREMENTS OF THE CURRENT AS3600 AND AS3996 (2019).
23. PRE-CAST STORMWATER PITS ARE TO BE APPROVED FOR TFNSW CONSTRUCTION (R11) AND ARE TO ARE TO BE DESIGNED AND CUSTOM MADE WITH OPENINGS UP TO A MAXIMUM +50mm OD OF THE STORMWATER PIPES. PITS ARE ALSO TO INCLUDE PENETRATIONS FOR SUBSOIL CONNECTIONS AND DOUBLE STEP-IRONS INSTALLED FOR PITS >0.6m DEEP. DEMOLITION SAWS MAY BE USED PROVIDING A NEAT FULL DEPTH CUT IS APPLIED AND ANY ADDITIONAL PENETRATIONS REQUIRED ARE TO BE CORE DRILLED.
24. SHOP DRAWINGS ARE TO BE PROVIDED FOR REVIEW AND ACCEPTANCE. IT SHOULD BE NOTED THAT THE CONTRACTOR IS TO ENSURE THAT THE STRUCTURAL COMPONENTS OF THE PITS ARE NOT COMPROMISED AND ONLY THE PIPE KNOCKOUTS ARE TO BE REMOVED FOR THE PIPE PENETRATIONS.

STORMWATER DRAINAGE NOTES (CONTINUED)

1. ALL PRECAST PITS TO BE FOUNDED ON CONCRETE BLINDING LAYER (100mm ON AN EARTH FOUNDATION OR 150mm ON A ROCK FORMATION) WITH A MINIMUM ALLOWABLE BEARING CAPACITY OF 100KPa UP TO 3.0m DEPTH TO INVERT AND 150KPa FROM 3.0m TO 6.0m DEPTH TO INVERT (MINIMUM 100mm THICK 25MPa OR DEEPER TO ENSURE MINIMUM SPECIFIED BEARING CAPACITY IS ACHIEVED). CONTRACTOR TO ENGAGE GEOTECHNICAL ENGINEER TO PROVIDE WRITTEN CONFIRMATION.
2. ALL PRE-CAST PIT PENETRATIONS SHALL BE CUT SO THAT IT IS FLUSH WITH THE INTERNAL WALL.
3. ALL PIPE JOINTING, SPARGING, RENDERING, FILLING OF GAPS TO BE FILLED WITH A HIGH STRENGTH NON-SHRINK GROUT WITH A MINIMUM 40MPa COMPRESSIVE STRENGTH AT 28 DAYS. (LANKO DURABED 702 OR SIMILAR).
4. SINGLE UNITS PREFERRED BUT IF REQUIRED MINIMUM RISER DEPTH 600mm PIT INSTALLATION AND JOINTING BETWEEN UNITS SHALL BE UNDERTAKEN IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
5. ANY DAMAGE TO THE STRUCTURAL INTEGRITY OF THE PRE-CAST PIT WILL BE REPAIRED AND STRUCTURALLY CERTIFIED AT THE CONTRACTORS EXPENCE TO THE SATISFACTION OF THE AT&L, SUPERINTENDENT / LOCAL GOVERNMENT AUTHORITY.

EXISTING UNDERGROUND SERVICES NOTES

THE LOCATIONS OF UNDERGROUND SERVICES SHOWN IN THIS SET OF DRAWINGS HAVE BEEN PLOTTED FROM SURVEY INFORMATION AND SERVICE AUTHORITY INFORMATION. THE SERVICE INFORMATION HAS BEEN PREPARED ONLY TO SHOW THE APPROXIMATE POSITIONS OF ANY KNOWN SERVICES AND MAY NOT BE AS CONSTRUCTED OR ACCURATE. AT & L CAN NOT GUARANTEE THAT THE SERVICES INFORMATION SHOWN ON THESE DRAWINGS ACCURATELY INDICATES THE PRESENCE OR ABSENCE OF SERVICES OR THEIR LOCATION AND WILL ACCEPT NO LIABILITY FOR INACCURACIES IN THE SERVICES INFORMATION SHOWN FROM ANY CAUSE WHATSOEVER.

CONTRACTORS SHALL TAKE DUE CARE WHEN EXCAVATING ONSITE INCLUDING HAND EXCAVATION WHERE NECESSARY.

CONTRACTORS ARE TO CONTACT THE RELEVANT SERVICE AUTHORITY PRIOR TO COMMENCEMENT OF EXCAVATION WORKS.

CONTRACTORS ARE TO UNDERTAKE A SERVICES SEARCH, PRIOR TO COMMENCEMENT OF WORKS ON SITE. SEARCH RESULTS ARE TO BE KEPT ON SITE AT ALL TIMES.

EROSION AND SEDIMENT CONTROL NOTES

GENERAL INSTRUCTIONS

1. THE SITE SUPERINTENDENT/ENGINEER WILL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE LOCATED AS DOCUMENTED.
2. ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH
a. LOCAL AUTHORITY REQUIREMENT
b. EPA REQUIREMENTS
c. LANDCOM MANUAL "MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION", 4th EDITION, MARCH 2004.
3. MAINTAIN THE EROSION CONTROL DEVICES TO THE SATISFACTION OF THE SUPERINTENDENT AND THE LOCAL AUTHORITY.
4. WHEN STORMWATER PITS ARE CONSTRUCTED, PREVENT SITE RUNOFF ENTERING UNLESS SEDIMENT FENCES ARE ERECTED AROUND PITS.
5. CONTRACTOR IS TO ENSURE ALL EROSION & SEDIMENT CONTROL DEVICES ARE MAINTAINED IN GOOD WORKING ORDER AND OPERATE EFFECTIVELY. REPAIRS AND OR MAINTENANCE SHALL BE UNDERTAKEN AS REQUIRED, PARTICULARLY FOLLOWING STORM EVENTS.

LAND DISTURBANCE

6. WHERE PRACTICAL, THE SOIL EROSION HAZARD ON THE SITE WILL BE KEPT AS LOW AS POSSIBLE. TO THIS END, WORKS SHOULD BE UNDERTAKEN IN THE FOLLOWING SEQUENCE:
(A) INSTALL A WIND FENCE ALONG THE BOUNDARIES AS SHOWN ON PLAN. REFER DETAIL.
(B) INSTALL A SEDIMENT FENCE ALONG THE BOUNDARIES AS SHOWN ON PLAN. REFER DETAIL.
(C) CONSTRUCT STABILISED CONSTRUCTION ENTRANCE TO LOCATION AS DETERMINED BY SUPERINTENDENT/ENGINEER. REFER DETAIL.
(D) INSTALL SEDIMENT BASIN AS SHOWN ON PLAN
(E) INSTALL SEDIMENT TRAPS AS SHOWN ON PLAN.
(F) UNDERTAKE SITE DEVELOPMENT WORKS IN ACCORDANCE WITH THE ENGINEERING PLANS. WHERE POSSIBLE, PHASE DEVELOPMENT SO THAT LAND DISTURBANCE IS CONFINED TO AREAS OF WORKABLE SIZE.

EROSION CONTROL

7. DURING WINDY WEATHER, LARGE, UNPROTECTED AREAS WILL BE KEPT MOIST (NOT WET) BY SPRINKLING WITH WATER TO KEEP DUST UNDER CONTROL.
8. FINAL SITE LANDSCAPING WILL BE UNDERTAKEN AS SOON AS POSSIBLE AND WITHIN 20 WORKING DAYS FROM COMPLETION OF CONSTRUCTION ACTIVITIES.

SEDIMENT CONTROL

9. STOCKPILES WILL NOT BE LOCATED WITHIN 2 METRES OF HAZARD AREAS, INCLUDING LIKELY AREAS OF CONCENTRATED OR HIGH VELOCITY FLOWS SUCH AS WATERWAYS. WHERE THEY ARE BETWEEN 2 AND 5 METRES FROM SUCH AREAS, SPECIAL SEDIMENT CONTROL MEASURES SHOULD BE TAKEN TO MINIMISE POSSIBLE POLLUTION TO DOWNSLOPE WATERS, E.G. THROUGH INSTALLATION OF SEDIMENT FENCING.
10. ANY SAND USED IN THE CONCRETE CURING PROCESS (SPREAD OVER THE SURFACE) WILL BE REMOVED AS SOON AS POSSIBLE AND WITHIN 10 WORKING DAYS FROM PLACEMENT.
11. WATER WILL BE PREVENTED FROM ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS IT IS RELATIVELY SEDIMENT FREE, I.E. THE CATCHMENT AREA HAS BEEN PERMANENTLY LANDSCAPED AND/OR ANY LIKELY SEDIMENT HAS BEEN FILTERED THROUGH AN APPROVED STRUCTURE.
12. TEMPORARY SOIL AND WATER MANAGEMENT STRUCTURES WILL BE REMOVED ONLY AFTER THE LANDS THEY ARE PROTECTING ARE REHABILITATED.

OTHER MATTERS

13. ACCEPTABLE RECEPTORS WILL BE PROVIDED FOR CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHT-WEIGHT WASTE MATERIALS AND LITTER.
14. ANY EXISTING TREES WHICH FORM PART OF THE FINAL LANDSCAPING PLAN WILL BE PROTECTED FROM CONSTRUCTION ACTIVITIES BY:
(A) PROTECTING THEM WITH BARRIER FENCING OR SIMILAR MATERIALS INSTALLED OUTSIDE THE DRIP LINE
(B) ENSURING THAT NOTHING IS NAILED TO THEM
(C) PROHIBITING PAVING, GRADING, SEDIMENT WASH OR PLACING OF STOCKPILES WITHIN THE DRIP LINE EXCEPT UNDER THE FOLLOWING CONDITIONS.
(I) ENCROACHMENT ONLY OCCURS ON ONE SIDE AND NO CLOSER TO THE TRUNK THAN EITHER 1.5 METRES OR HALF THE DISTANCE BETWEEN THE OUTER EDGE OF THE DRIP LINE AND THE TRUNK, WHICH EVER IS THE GREATER
(II) A DRAINAGE SYSTEM THAT ALLOWS AIR AND WATER TO CIRCULATE THROUGH THE ROOT ZONE (E.G. A GRAVEL BED) IS PLACED UNDER ALL FILL LAYERS OF MORE THAN 300 MILLIMETRES DEPTH
(III) CARE IS TAKEN NOT TO CUT ROOTS UNNECESSARILY NOR TO COMPACT THE SOIL AROUND THEM.

SURVEY NOTES

THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS HAVE BEEN INVESTIGATED BY LTS , BEING REGISTERED SURVEYORS. THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN. AT & L DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE SURVEY BASE OR ITS SUITABILITY AS A BASIS FOR CONSTRUCTION DRAWINGS.

SHOULD DISCREPANCIES BE ENCOUNTERED DURING CONSTRUCTION BETWEEN THE SURVEY DATA AND ACTUAL FIELD DATA, CONTACT AT & L.

THE FOLLOWING NOTES HAVE BEEN TAKEN DIRECTLY FROM THE ORIGINAL SURVEY DOCUMENTS.

NOTES

1. THE BOUNDARIES HAVE NOT BEEN MARKED ON GROUND
2. THE BOUNDARY SURVEY (DIMENSIONS AND AREA) HAVE BEEN SURVEYED IN ACCORDANCE WITH SURVEYING AND SPATIAL INFORMATION REGULATION 2017 CLAUSE 10 "IDENTIFICATION SURVEYS" AND ARE SUBJECT TO FINAL SURVEY
3. ORIGIN OF MGA2020 COORDINATES IS TAKEN FROM SSM 125949 - E:331090.117, N:6246099.580 IN EDITH STREET (17/03/2022)
4. ORIGIN OF LEVELS ON A.H.D. IS TAKEN FROM SSM 125950 R.L. 16.181 (A.H.D.) IN EDITH STREET
5. CONTOUR INTERVAL 0.5 m
6. CONTOURS ARE INDICATIVE ONLY. ONLY SPOT LEVELS SHOULD BE USED FOR CALCULATIONS OF QUANTITIES WITH CAUTION
7. KERB LEVELS ARE TO THE TOP OF KERB UNLESS SHOWN OTHERWISE
8. FLOOR LEVELS SHOWN ARE THRESHOLD LEVELS. NO INVESTIGATION OF INTERNAL FLOOR LEVELS HAS BEEN UNDERTAKEN
9. AN INVESTIGATION OF UNDERGROUND SERVICES HAS BEEN MADE. UNDERGROUND SERVICES HAVE BEEN DETECTED BY "DOWN UNDER DETECTION SERVICES" AND ARE APPROXIMATE ONLY. SOME SERVICES SUCH AS FIRE&WATER SUPPLY, GAS AND OPTICAL FIBRE CABLING DO NOT HAVE METALLIC TRACING WIRES OR METAL PIPES AND MAY NOT HAVE BEEN DETECTED. SERVICES HAVE ALSO BEEN PLOTTED FROM RELEVANT AUTHORITIES RECORDS AS SUPPLIED BY BEFORE YOU DIG AUSTRALIA.
10. 8/.4/7 DENOTES TREE SPREAD OF 8m, TRUNK DIAMETER OF 0.4m & APPROX HEIGHT OF 7m
11. SHOWS APPROXIMATE POSITION OF ROAD LINEMARKING AND IS INDICATIVE ONLY
12. BEARINGS SHOWN ARE MGA (MAP GRID OF AUSTRALIA) ADD APPROX. 1°00' FOR TRUE NORTH

DETAILS AND SPECIFICATIONS

1. ALL WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH INNER WEST COUNCIL TECHNICAL SPECIFICATIONS AND STANDARD DRAWINGS
2. WHERE CONFLICT EXISTS BETWEEN AT&L DETAILS AND COUNCIL, INNER WEST COUNCIL SPECIFICATION TAKE PRECEDENCE.

SURVEY LEGEND

BENCH MARK	▲
TELSTRA PIT	TEL
COMMS PIT	COM
OPTUS PIT	OP
TELSTRA PILLAR	TP
ELECTRIC LIGHT POLE	ELP
ELECTRIC LIGHT BOLLARD	LB
ELECTRICITY PIT	EPIT
ELECTRICITY BOX	EL
POWER POLE	PP
DOWNPIPE	DP
DOWNPIPE	DP
GRATED INLET PIT	GIP
KERB INLET PIT	KIP
DRAINAGE PIT	DP
GRATED DRAIN	
SEWER INSPECTION POINT	SIP
SEWER VENT	SEV
SEWER MANHOLE	SMH
STOP VALVE	SV
HYDRANT	HYD
WATER METER	WM
WATER TAP	TAP
WATER VALVE	WV
GAS VALVE	GAS
GAS METER	GM
SERVICE PIT	PIT
PIT WITH CONCRETE LID	CLID
PIT WITH METAL LID	MLID
TRAFFIC LIGHT	TL
ROADS & MARITIME SERVICES	RMS
STREET SIGN	SS
BOLLARD	BOL
GATE	
VEHICLE CROSSING	(VC)
PRAM CROSSING	(PC)
WINDOW	W
DOOR	D
HEAD/SILL	H/S
COMMUNICATIONS (DBYD)	— C —
ELECTRICITY (U'GROUND DBYD)	— E —
ELECTRICITY (OVERHEAD)	— P —
SEWER (DBYD)	— S —
WATER (DBYD)	— W —
GAS (DBYD)	— G —
ROADS & MARITIME (DBYD)	— R —
GAS (DETECTED)	— G(D) —
COMMUNICATIONS (DETECTED)	— C(D) —
WATER (DETECTED)	— W(D) —
STORMWATER (DETECTED)	— SW(D) —
SEWER (DETECTED)	— S(D) —
ELECTRICITY (DETECTED)	— E(D) —
UNKNOWN SERVICE (DETECTED)	— U(D) —

CIVIL HOLD POINTS

HOLD POINTS/WITNESS POINT (INSPECTIONS)
PAVEMENT:
- PROOF ROLL SUBGRADE
- PROOF ROLL SUBBASE
- KERB SETOUT
- PROOF ROLL BASECOURSE
- SPRAY SEAL
- ASPHALT (1ST LAYER)
- FOOTPATH/DRIVEWAYS FORMWORK

STORMWATER:
- SETOUT STORMWATER PITS
- FORMWORK FOR ANY IN-SITU PITS
- EXCAVATE AND PARTIAL LAID PIPES

FINAL INSPECTIONS:
- SIGNAGE
- FINAL ASPHALT LAYER
- LINEMARKING
- DEFECTS INSPECTION
- DEFECTS RECTIFICATION
- HANDOVER

MATERIAL AND TESTING REQUIREMENTS:
PAVEMENT:
- CBR/COMPACTION TEST SUBGRADE
- SURVEY SUBGRADE
- MATERIAL DATA SHEET SUBBASE
- COMPACTION TEST SUBBASE
- SURVEY SUBBASE
- MIX DESIGN KERB
- MATERIAL DATA SHEET BASECOURSE
- COMPACTION TEST BASECOURSE
- SURVEY BASECOURSE
- MATERIAL DATA SHEET SPRAY SEAL
- APPLICATION RATE/TEMPERATURE FORM SPRAY SEAL
- MATERIAL DATA SHEET ASPHALT
- NUCLEAR DENSITY TEST
- MIX DESIGN FOOTPATH/DRIVEWAYS
- CONCRETE STRENGTH TEST FOOTPATH/DRIVEWAYS

STORMWATER:
- MATERIAL DATA SHEET PRECAST PIT AND PIPES
- MATERIAL DATA SHEET AGG PIPE AND GEOFABRIC
- MATERIAL DATA SHEET SAND BACKFILL
- DENSITY TEST SAND OVERLAY
- COMPACTION TEST BACKFILL
- CONCRETE STRENGTH TEST STORMWATER INSITU PITS

FINAL:
- WAE SURVEY (FINISHED LEVELS, STORMWATER INVERTS PIPE SIZE ETC)

COORDINATION WILL BE REQUIRED WITH UTILITY INSTALLATIONS (ATL IS NOT RESPONSIBLE FOR INSPECTIONS OR COORDINATION OF UTILITIES ON THIS PROJECT):
- WATER
- POWER
- JEMENA
- TELECOMMS

CONSTRUCTION TOLERANCES

NOTE: THESE CONSTRUCTION TOLERANCES ARE TO BE READ IN CONJUNCTION WITH THE RELEVANT AUTHORITY SPECIFICATIONS AND CONSTRUCTION TOLERANCE REQUIREMENTS.
WHERE DISCREPANCIES BETWEEN REQUIREMENTS OCCURS, THE AUTHORITY SPECIFICATIONS AND CONSTRUCTION TOLERANCES TAKE PRECEDENCE

BULK EARTHWORKS

EARTHWORKS	-10mm / +20mm OF FINISHED SURFACE LEVEL (AFTER COMPACTION AND TRIMMING)
BATTERS	-50mm / +100mm OF FINISHED SURFACE LEVEL (AFTER COMPACTION AND TRIMMING)

STORMWATER

PIPES	WITHIN 10mm OF THE DESIGN INVERT LEVEL AT ANY POINT FOR THE ENTIRE PIPE LENGTH <50m
PIPES	WITHIN 20mm OF THE DESIGN INVERT LEVEL AT ANY POINT FOR THE ENTIRE PIPE LENGTH >50m
PIPES	-0.05% MINIMUM RESULTANT GRADE FROM DESIGNED GRADIENT
PIPES	WITHIN 100mm OF THE PLAN POSITION SHOWN ON THE DRAWINGS OR SPECIFIED AT ANY POINT
HEADWALLS	WITHIN 20mm OF THE DESIGN INVERT LEVEL AT ANY POINT
HEADWALLS	WITHIN 100mm OF THE PLAN POSITION SHOWN ON THE DRAWINGS OR SPECIFIED AT ANY POINT
CHAMBERS	WITHIN 20mm OF THE INVERT LEVEL SHOWN ON THE DRAWINGS
CHAMBERS	WITHIN 200mm LONGITUDINALLY OF THE PLAN POSITION, WITH REFERENCE TO THE CONTROL LINE FOR THE ROAD SHOWN ON THE DRAWINGS
CHAMBERS	WITHIN 10mm OF THE FALL WITHIN THE CHAMBER BETWEEN THE INCOMING PIPE AND THE OUTGOING PIPE (IE ABSOLUTE MINIMUM OF 20MM FALL WITHIN THE CHAMBER)
LINTELS	AS PER THE TOLERANCES SPECIFIED FOR THE ADJOINING MATERIAL
COVERS	AS PER THE TOLERANCES SPECIFIED FOR THE ADJOINING MATERIAL
GRATES	AS PER THE TOLERANCES SPECIFIED FOR THE ADJOINING MATERIAL
OPEN DRAINS	WITHIN 50mm OF THE DESIGN LEVEL AT ANY POINT PROVIDED THAT THERE IS A CONTINUOUS DOWNGRADE (WITHOUT PONDING) IN THE DIRECTION OF FLOW NOT LESS THAN 0.5% AT ANY POINT

PAVEMENT / TRACKS

SUBBASE	-10mm / +10mm OF PAVEMENT COURSE THICKNESS (AFTER COMPACTION & TRIMMING)
SUBBASE	-10mm / +0mm OF FINISHED SURFACE LEVEL (AFTER COMPACTION AND TRIMMING)
SUBBASE	-5mm / +5mm THE FINISHED SURFACE (LAID IN ANY DIRECTION) OVER A LENGTH OF 3 METRES
BASECOURSE	-0mm / +20mm OF PAVEMENT COURSE THICKNESS (AFTER COMPACTION & TRIMMING)
BASECOURSE	-0mm / +10mmOF FINISHED SURFACE LEVEL (AFTER COMPACTION AND TRIMMING)
BASECOURSE	-5mm / +5mm ALONG THE FINISHED SURFACE (LAID IN ANY DIRECTION) OVER A LENGTH OF 3 METRES
SEAL	-0mm / +10mm OF PAVEMENT FINISHED SURFACE LEVEL (AFTER ROLLING AGGREGATE)
SEAL	-5mm / +10mm ALONG THE FINISHED SURFACE OVER THE CARRIAGEWAY WIDTH AT THE DATE OF PRACTICAL COMPLETION
SEAL	SURFACE OF THE SEAL, INCLUDING LONGITUDINAL AND TRANSVERSE JOINTS, MUST NOT POND WATER.
ASPHALT	-0mm / +10mm OF PAVEMENT FINISHED SURFACE LEVEL (AFTER COMPACTION)
ASPHALT	-5mm / +5mm ALONG THE FINISHED SURFACE OVER THE CARRIAGEWAY WIDTH AT THE DATE OF PRACTICAL COMPLETION
ASPHALT	-8mm / +8mm ALONG THE FINISHED SURFACE OVER THE CARRIAGEWAY WIDTH AT THE COMPLETION OF THE DEFECT LIABILITY PERIOD
ASPHALT	SURFACE OF THE COURSE, INCLUDING LONGITUDINAL AND TRANSVERSE JOINTS, MUST NOT POND WATER.

CONCRETE

KERB	-5mm / +5mm ALONG THE TOP OF KERB OVER A LENGTH OF 5 METRES
KERB	-5mm / +5mm ALONG THE FACE OF KERB OVER A LENGTH OF 5 METRES
PATH	-0mm / +10mm OF FOOTPATH/SHARED PATH FINISHED SURFACE LEVEL
PATH	SURFACE OF THE PATH, INCLUDING JOINTS, MUST NOT POND WATER.
PAVEMENT SLAB	-0mm / +10mm OF PAVEMENT FINISHED SURFACE LEVEL
PAVEMENT SLAB	-5mm / +10mm ALONG THE FINISHED SURFACE OVER THE CARRIAGEWAY WIDTH
PAVEMENT SLAB	SURFACE OF THE CONCRETE, INCLUDING LONGITUDINAL AND TRANSVERSE JOINTS, MUST NOT POND WATER.

VERGE

TURF	-10mm / +0mm OF PAVEMENT FINISHED SURFACE LEVEL (AFTER COMPACTION) TO THE ADJOINING MATERIAL (FOOTPATHS, KERBS, ETC)
MULCH	-10mm / +0mm OF PAVEMENT FINISHED SURFACE LEVEL (AFTER COMPACTION) TO THE ADJOINING MATERIAL (FOOTPATHS, KERBS, ETC)

RETAINING / NOISE WALLS

WALL	-20mm / +20mm FROM ANY POINT ON THE WALL THE LEVEL MUST NOT DEVIATE FROM THAT SPECIFIED
WALL	-10mm / +10mm INCLINATION OF THE FACE OF THE COMPLETED WALL MUST NOT DEVIATE FROM THE SPECIFIED INCLINATION PER METER HEIGHT (BLOCK WALL)
WALL	-5mm/ +0mm INCLINATION OF THE FACE OF THE COMPLETED WALL MUST NOT DEVIATE FROM THE SPECIFIED INCLINATION PER METER HEIGHT (PANEL WALL)
WALL	-20mm / +20mm FLATNESS OF THE FACE OF THE WALL MUST BE SUCH THAT THE MAXIMUM DEVIATION FROM A 4.5 M STRAIGHT EDGE

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	12-02-25

Bar Scales

100mm on Original

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Client: CORONATION

Scales	NTS	Drawn	ASD
		Designed	ASD
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS CIVIL PACKAGE

Title: GENERAL NOTES AND LEGENDS SHEET 1

Civil Engineers and Project Managers
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Level 7, 153 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

Status: FOR CONSTRUCTION — A0

Project - Drawing No.: CI00-0-0-01 — Issue: 1

F:\24-1178 Precinct 75\6.0 Drgs\Civil\Final\1000 SERIES - MAIN WORKS\CI00-0-0-01.dwg

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: GENERAL ARR.		Drawing No: CI00-0-0-03		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388

LEGEND

- EXISTING PROPERTY BOUNDARY
- EXTENTS OF PUBLIC DOMAIN WORKS SUBJECT TO FUTURE CC
- EXTENTS OF STAGE 1
- EXTENTS OF STAGE 2
- PROPOSED LANDSCAPING
- EXISTING TREE TO REMAIN

SHEET 1

SHEET 2

SHEET 3

SHEET 4

SUBJECT TO FUTURE CC

SUBJECT TO FUTURE CC

SUBJECT TO FUTURE CC

SUBJECT TO FUTURE CC

EDITH STREET

EDITH STREET

UNWINS BRIDGE ROAD

MARY STREET

MARY STREET

ALBION LANE

ROLF LANE

ROBERTS STREET

PROPOSED OVERLAND FLOW PATH SWALE

MAKERS WAY

PROPOSED STAGE 2

PROPOSED STAGE 1

BUILDING 1

BUILDING 2

BUILDING 6

BUILDING 7

BUILDING 8

BUILDING A

BUILDING B

BUILDING C

6 CI00-0-0-04

5 CI00-0-0-04

4 CI00-0-0-04

3 CI00-0-0-04

2 CI00-0-0-04

1 CI00-0-0-04

8 CI00-0-0-05

9 CI00-0-0-05

10 CI00-0-0-05

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	12-02-25

Bar Scales

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

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Client: CORONATION

Scales: 1:250

Grid: GDA20 MGA56

Height Datum: AHD

Drawn	ASD
Designed	ASD
Checked	
Approved	AB

GDA2020

Project: PRECINCT 75
ST PETERS, NSW 2044
MAIN WORKS
CIVIL PACKAGE

Title: GENERAL ARRANGEMENT PLAN

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney
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P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

Status: FOR CONSTRUCTION

A0

Project - Drawing No.: CI00-0-0-03

Issue: 1

100mm on Original

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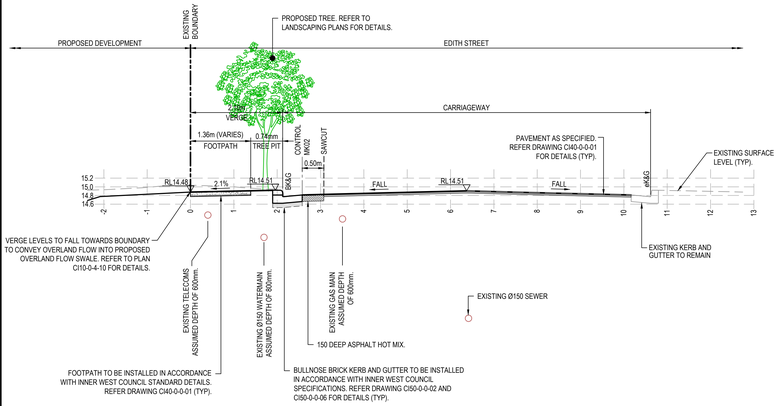
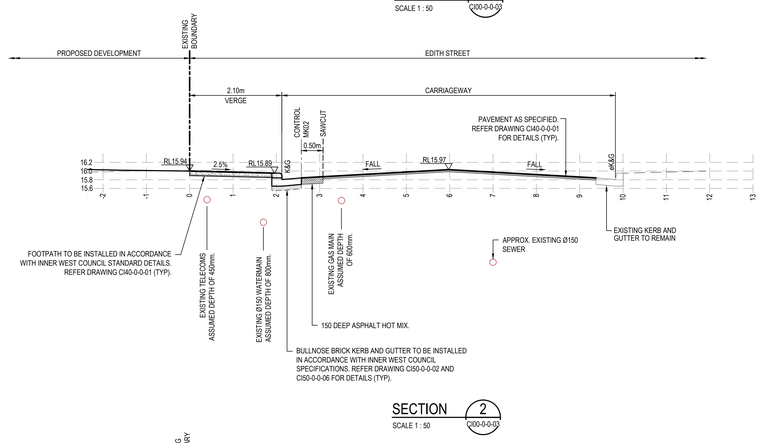
Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: TYP. SECTIONS		Drawing No: CI00-0-0-04		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388



SECTION 1 — SCALE 1 : 50 — CI00-0-0-03



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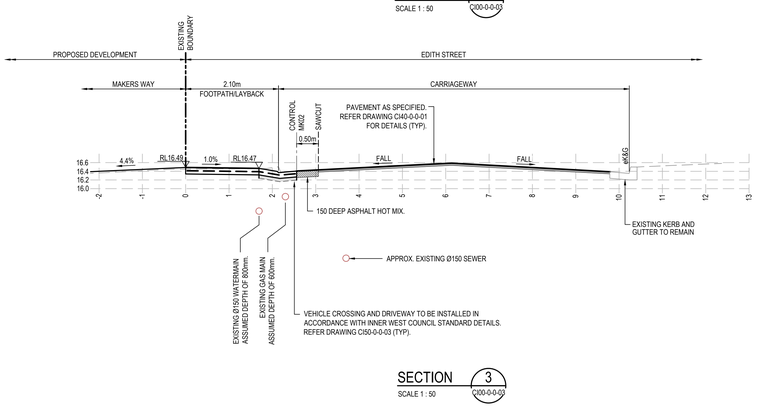

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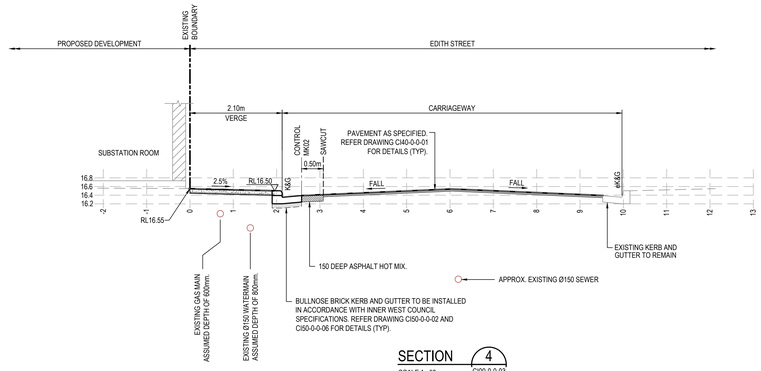

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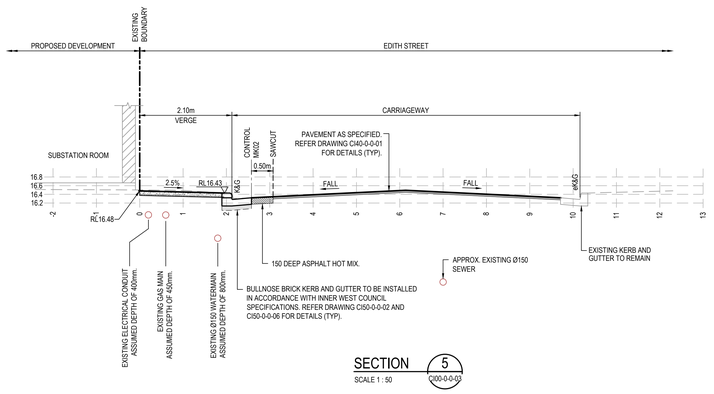

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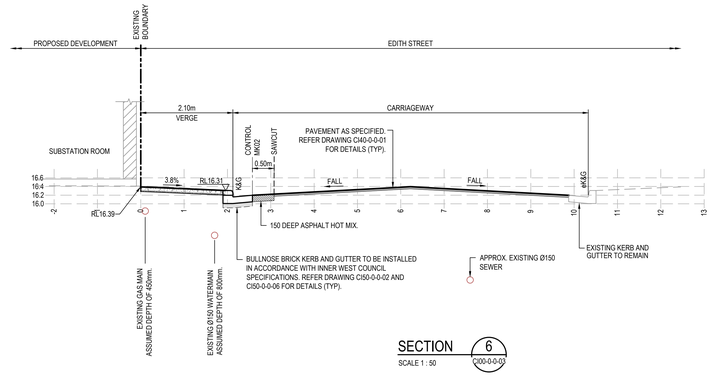

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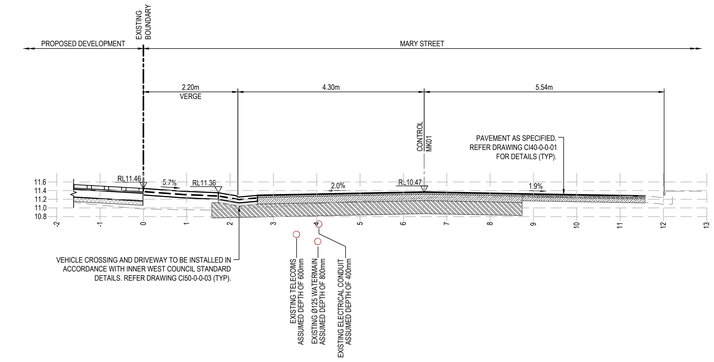

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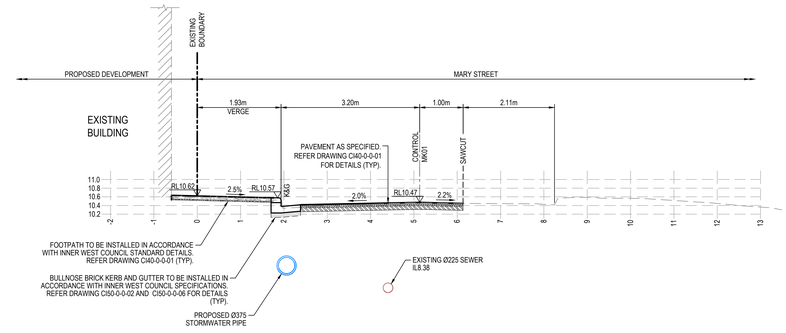

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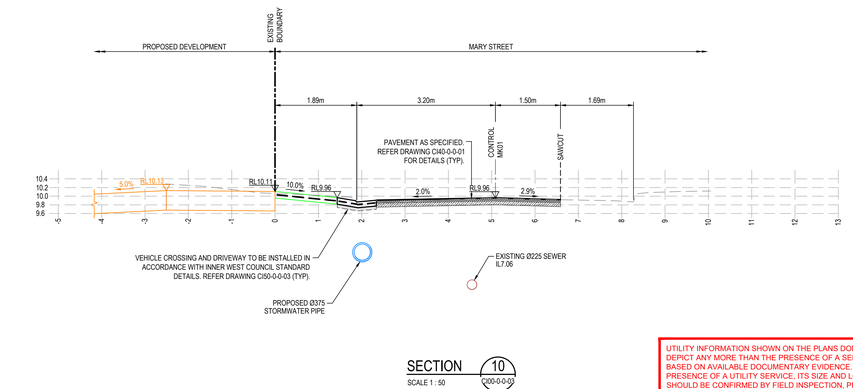

SECTION 10 — SCALE 1 : 50 — CI00-0-0-03

UTILITY INFORMATION SHOWN ON THE PLANS DOES NOT DEPICT ANY MORE THAN THE PRESENCE OF A SERVICE. BASED ON AVAILABLE DOCUMENTARY EVIDENCE. THE PRESENCE OF A UTILITY SERVICE, ITS SIZE AND LOCATION SHOULD BE CONFIRMED BY FIELD INSPECTION, PRIOR TO THE COMMENCEMENT OF ROADWORKS AND THE RELEVANT UTILITY PLANS OBTAINED BY VISITING BEFORE YOU DIG (WWW.BYDA.COM.AU). CAUTION SHOULD BE EXERCISED WHEN WORKING IN THE VICINITY OF ALL UTILITY SERVICES.

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	12-02-25

100mm on Original

Bar Scales: 0 1 2 3 4 5m — 1 : 50 @ A0

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Client: CORONATION

Scales	1:50	Drawn	ASD
		Designed	ASD
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS CIVIL PACKAGE

Title: TYPICAL SECTIONS

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Level 7, 153 Walker Street
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P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

Status: FOR CONSTRUCTION — A0

Project - Drawing No.: CI00-0-0-04 — Issue: 1

F:\24-1178 Precinct 75\6.0 Drgs\Civil\Final\1000 SERIES - MAIN WORKS\CI00-0-0-04.dwg

Document Set ID: 40330703
Version: 1, Version Date: 03/04/2025

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: SW PLAN SH1		Drawing No: CI10-0-1-01		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388

LEGEND

EXISTING

- EXISTING BOUNDARY
- EXISTING EASEMENT
- EXISTING CONTOUR (MAJOR)
- EXISTING CONTOUR (MINOR)
- EXISTING FEATURE
- SUBSOIL
- EXISTING WATERMAIN
- EXISTING ELECTRICAL
- EXISTING OVERHEAD ELECTRICAL
- EXISTING GAS
- EXISTING TELECOMMS
- EXISTING STORMWATER
- EXISTING SEWER
- EXISTING TREE
- EXISTING TREE TO BE RETAINED

PROPOSED

- PROPOSED CONTOUR (MAJOR)
- PROPOSED CONTOUR (MINOR)
- SAWCUT
- FINISHED SURFACE LEVEL
- FOOTPATH
- KERB AND GUTTER
- VEHICULAR CROSSING
- TRENCH DRAIN
- SEALED PIT
- SURFACE INLET PIT
- KERB INLET PIT
- SURFACE INLET PIT WITH OCEANGUARD
- STORMWATER PIPE (Ø100 U.N.O)
- STORMWATER PIT REFERENCE NUMBER
- PROPOSED TREE

NOT

1. EXISTING SERVICES SHOWN ARE INDICATIVE ONLY.
2. DETAILED POTHOLING IS REQUIRED PRIOR TO COMMENCEMENT OF CONSTRUCTION TO VALIDATE THE DESIGN.
3. ALL EXISTING SERVICES ARE TO BE PROTECTED / RELOCATED TO THE SATISFACTION OF THE RELEVANT AUTHORITY
4. REFER HYDRAULIC ENGINEERS DRAWING FOR ALL PODIUM DRAINAGE

EDITH STREET

80 UNWINS BRIDGE RD

82 UNWINS BRIDGE RD

84 UNWINS BRIDGE RD

86 UNWINS BRIDGE RD

88 UNWINS BRIDGE RD

90 UNWINS BRIDGE RD

92 UNWINS BRIDGE RD

94 UNWINS BRIDGE RD

BUILDING 7

BUILDING 8

BUILDING 1

MAKERS WAY

THE COMMONS

REFER LANDSCAPE DRAWINGS FOR DETAILS

SUBSTATION ROOM

FIRE BOOSTER ROOM

WATER METER ROOM

EXISTING KERB & GUTTER TO BE PROTECTED DURING CONSTRUCTION

RECONSTRUCT EXISTING RAISED ASPHALT SPEED HUMP TO IWC STD DWG T2

RECONSTRUCT EXISTING FOOTPATH TO IWC STD DWG F1 (TYP.)

REINSTATE TREE PIT TO IWC STD DWG F1 (TYP.)

REINSTATE KERB AND GUTTER. REFER TO DRAWING CI15-0-0-06 FOR DETAILS

REINSTATE EXISTING INDUSTRIAL VEHICULAR CROSSING TO IWC STD DWG R3 (TYP.)

EXISTING TREE TO REMAIN. REFER LANDSCAPE PLANS FOR DETAILS (TYP).

TIE IN SMOOTHLY WITH EXISTING ROAD LEVEL

TIE IN SMOOTHLY WITH EXISTING FOOTPATH LEVEL

EXISTING ELECTRICAL SUBSTATION TO BE REMOVED. REFER TO ELECTRICAL DRAWINGS FOR DETAILS.

PROVIDE 1 X OCEANGUARD

PROVIDE 1 X OCEANGUARD TO GRATED DRAIN

PROVIDE 1 X OCEANGUARD TO GRATED SURFACE INLET PIT AND GRATED DRAIN

ADJOINS SHEET 2

ADJOINS SHEET 3

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	12-02-25

100mm on Original

Bar Scales

0 2 4 6 8 10m

1 : 100 @ A0

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Client: CORONATION

Scales	1:100	Drawn	ASD
		Designed	ASD
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS CIVIL PACKAGE

Title: SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 1

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E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

Status: FOR CONSTRUCTION

A0

Project - Drawing No.: CI10-0-1-01

Issue: 1

F:\24-1178 Precinct 75\6.0 Drgs\Civil\Final\1000 SERIES - MAIN WORKS\CI10-0-1-01.dwg

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: SW PLAN SH2		Drawing No: CI10-0-2-02		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388

EXISTING KERB & GUTTER TO BE PROTECTED DURING CONSTRUCTION

EDITH STREET

REINSTATE EXISTING INDUSTRIAL VEHICULAR CROSSING TO IWC STD DWG R3 (TYP.)

RECONSTRUCT EXISTING RAISED ASPHALT SPEED HUMP TO IWC STD DWG T2

EXISTING TREE TO REMAIN. REFER LANDSCAPE PLANS FOR DETAILS (TYP).

RECONSTRUCT EXISTING FOOTPATH TO IWC STD DWG F1 (TYP.)

REINSTATE KERB AND GUTTER. REFER TO DRAWING CI15-0-0-06 FOR DETAILS

TIE IN SMOOTHLY WITH EXISTING ROAD LEVEL

TIE IN SMOOTHLY WITH EXISTING FOOTPATH LEVEL

VERGE LEVELS TO FALL TOWARDS BOUNDARY TO CONVEY OVERLAND FLOW INTO PROPOSED OVERLAND FLOW SWALE. REFER TO DRAWING CI00-0-0-04 FOR DETAILS.

52 EDITH ST

REFER TO DRAWING CI10-0-4-09 FOR OVERLAND FLOW PATH PLAN AND DETAILS

PROVIDE 300x300 VOID BENEATH RAISED PLANTER BED TO CONVEY OVERLAND FLOWS FROM THE GROVE TO 2 x Ø200 DOWNPIPES TO DISCHARGE INTO PROPOSED OVERLAND FLOW SWALE.

EXISTING SEWER MANHOLE TO REMAIN

BASEMENT RAMP
REFER TO ARCHITECTS DRAWINGS FOR BASEMENT RAMPS AND GRADES

BUILDING A

BUILDING B

PROPOSED OVERLAND FLOW PATH

SWALE

BASEMENT WALL

RETAINING WALL

ADJOINS SHEET 1

ADJOINS SHEET 4

DRAFT

LEGEND

EXISTING

- EXISTING BOUNDARY
- EXISTING EASEMENT
- EXISTING CONTOUR (MAJOR)
- EXISTING CONTOUR (MINOR)
- EXISTING FEATURE
- SUBSOIL
- EXISTING WATERMAIN
- EXISTING ELECTRICAL
- EXISTING OVERHEAD ELECTRICAL
- EXISTING GAS
- EXISTING TELECOMMS
- EXISTING STORMWATER
- EXISTING SEWER
- EXISTING TREE
- EXISTING TREE TO BE RETAINED

PROPOSED

- PROPOSED CONTOUR (MAJOR)
- PROPOSED CONTOUR (MINOR)
- SAWCUT
- FINISHED SURFACE LEVEL
- FOOTPATH
- KERB AND GUTTER
- VEHICULAR CROSSING
- TRENCH DRAIN
- SEALED PIT
- SURFACE INLET PIT
- KERB INLET PIT
- SURFACE INLET PIT WITH OCEANGUARD
- STORMWATER PIPE (Ø100 U.N.O)
- STORMWATER PIT REFERENCE NUMBER
- PROPOSED TREE

NOT

1. EXISTING SERVICES SHOWN ARE INDICATIVE ONLY.
2. DETAILED POTHOLING IS REQUIRED PRIOR TO COMMENCEMENT OF CONSTRUCTION TO VALIDATE THE DESIGN.
3. ALL EXISTING SERVICES ARE TO BE PROTECTED / RELOCATED TO THE SATISFACTION OF THE RELEVANT AUTHORITY
4. REFER HYDRAULIC ENGINEERS DRAWING FOR ALL PODIUM DRAINAGE

Issue	Description	Date
2	ISSUED FOR APPROVAL	16-07-25
1	ISSUED FOR CONSTRUCTION	12-02-25

100mm on Original

Bar Scales

0 2 4 6 8 10m

1 : 100 @ A0

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Client

CORONATION

Scales	1:100	Drawn	ASD
		Designed	ASD
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS CIVIL PACKAGE

Title: SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 2

Civil Engineers and Project Managers
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Level 7, 153 Walker Street
North Sydney
NSW 2060
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E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

Size: A0

Project - Drawing No.: CI10-0-2-02

Issue: 2

F:\24-1178 Precinct 75\6.0 Drgs\Civil\Final\1000 SERIES - MAIN WORKS\CI10-0-2-02.dwg

Document Set ID: 40871870
Version: 1, Version Date: 21/07/2025

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: SW PLAN SH3		Drawing No: CI10-0-3-03		
Rev	Date dd.mm.yy	Description	DP Full Name	Reg No
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388

LEGEND

EXISTING

- EXISTING BOUNDARY
- EXISTING EASEMENT
- 10.00 EXISTING CONTOUR (MAJOR)
- 10.00 EXISTING CONTOUR (MINOR)
- e(...) EXISTING FEATURE
- SUBSOIL
- W EXISTING WATERMAIN
- E EXISTING ELECTRICAL
- V A EXISTING OVERHEAD ELECTRICAL
- G EXISTING GAS
- T EXISTING TELECOMMS
- SW EXISTING STORMWATER
- S EXISTING SEWER
- EXISTING TREE
- EXISTING TREE TO BE RETAINED

PROPOSED

- 10.00 PROPOSED CONTOUR (MAJOR)
- 10.00 PROPOSED CONTOUR (MINOR)
- SC SAWCUT
- F 44.45 FINISHED SURFACE LEVEL
- FOOTPATH
- K&G KERB AND GUTTER
- VC VEHICULAR CROSSING
- TRENCH DRAIN
- SEALED PIT
- SURFACE INLET PIT
- KERB INLET PIT
- SURFACE INLET PIT WITH OCEANGUARD
- STORMWATER PIPE (Ø100 U.N.O)
- A-1 STORMWATER PIT REFERENCE NUMBER
- PROPOSED TREE

NOT

1. EXISTING SERVICES SHOWN ARE INDICATIVE ONLY.
2. DETAILED POTHOLING IS REQUIRED PRIOR TO COMMENCEMENT OF CONSTRUCTION TO VALIDATE THE DESIGN.
3. ALL EXISTING SERVICES ARE TO BE PROTECTED / RELOCATED TO THE SATISFACTION OF THE RELEVANT AUTHORITY
4. REFER HYDRAULIC ENGINEERS DRAWING FOR ALL PODIUM DRAINAGE

96 UNWINS BRIDGE RD

98 UNWINS BRIDGE RD

100 UNWINS BRIDGE RD

102 UNWINS BRIDGE RD

104 UNWINS BRIDGE RD

106 UNWINS BRIDGE RD

108 UNWINS BRIDGE RD

110 UNWINS BRIDGE RD

1 STOREY BRICK RESIDENCE (TILE ROOF) No. 110 UNWINS BRIDGE ROAD

1 STOREY BRICK RESIDENCE (TILE ROOF) No. 98 UNWINS BRIDGE ROAD

2 STOREY RENDERED RESIDENCE (METAL ROOF) No. 62 MARY STREET

ADJOINS SHEET 1

ADJOINS SHEET 4

BUILDING 1

BUILDING C

BUILDING 2

BUILDING 2

MARY STREET

MARY STREET

MAKERS WAY

ALBION LANE

PROVIDE 1 X OCEANGUARD TO GRATED SURFACE INLET PIT AND GRATED DRAIN

PROVIDE 1 X OCEANGUARD TO GRATED DRAIN

REFER DRAWING CI60-0-3-01 AND CI60-0-3-02 FOR DETAILS

STORMWATER FLOWS TO MARY STREET RL12.06 (BLOCKED)

REINSTATE KERB AND GUTTER TO IWC STD DWG R1 (TYP.)

REINSTATE EXISTING INDUSTRIAL VEHICULAR CROSSING TO IWC STD DWG R3 (TYP.)

REINSTATE EXISTING INDUSTRIAL VEHICULAR CROSSING TO IWC STD DWG R3 (TYP.)

TIE IN SMOOTHLY WITH EXISTING FOOTPATH LEVEL

TIE IN SMOOTHLY WITH EXISTING ROAD LEVEL

REINSTATE TREE PIT TO IWC STD DWG F1 (TYP.)

CAUTION! TREE ROOTS

CAUTION! TREE ROOTS

CONSTRUCT INDUSTRIAL VEHICULAR CROSSING TO IWC STD DWG R3 (TYP.)

RECONSTRUCT EXISTING FOOTPATH TO IWC STD DWG F1 (TYP.)

REINSTATE EXISTING INDUSTRIAL VEHICULAR CROSSING TO IWC STD DWG R3 (TYP.)

TIE IN SMOOTHLY WITH EXISTING ROAD LEVEL

TIE IN SMOOTHLY WITH EXISTING KERB LIP LEVEL

TIE IN SMOOTHLY WITH EXISTING ROAD LEVEL

CONSTRUCT 900 x 900 JUNCTION PIT WITH CLASS 'D' SEALED LID AND PROVIDE 1 X OCEANGUARD

CONSTRUCT 2m WIDE FOOTPATH TO IWC STD DWG F1 AND REALIGN KERB LINE TO SUIT (TYP.)

CONSTRUCT 900 x 715 KERB INLET PIT WITH 1.8m LINTEL (ON-GRADE) AND CLASS 'D' GRATED LID TO IWC STD DWG D1

CONSTRUCT 900 x 900 KERB INLET PIT WITH 1.8m LINTEL (ON-GRADE) AND CLASS 'D' GRATED LID - TO IWC STD DWG D1

CONSTRUCT 900 x 715 KERB INLET PIT WITH 1.8m LINTEL (ON-GRADE) AND CLASS 'D' GRATED LID TO IWC STD DWG D1

CONSTRUCT 200mm HIGH KERB & GUTTER TO MATCH EXISTING CONDITION

CONTINUE FOOTPATH PAVING TO BUILDING LINE (TYP.)

RECONSTRUCT EXISTING KERB INLET PIT AS 900 x 715 WITH 1.0m LINTEL (ON-GRADE) AND CLASS 'D' GRATED LID TO IWC STD DWG D1

TRANSITION KERB HEIGHT FROM 150mm TO 200mm OVER 2m

RECONSTRUCT EXISTING RAISED ASPHALT SPEED HUMP TO IWC STD DWG T2

EXISTING KERB & GUTTER TO BE PROTECTED DURING CONSTRUCTION

CAUTION SERVICES! EXISTING WATER TO BE RELOCATED AWAY FROM STORMWATER PIT

CAUTION SERVICES! EXISTING WATER TO BE RELOCATED AWAY FROM STORMWATER PIT

CAUTION SERVICES! EXISTING WATER TO BE RELOCATED AWAY FROM STORMWATER PIT

CAUTION SERVICES! EXISTING GAS IN VICINITY

CAUTION SERVICES! EXISTING ELECTRICAL IN VICINITY

CAUTION SERVICES! EXISTING COMMS IN VICINITY

CAUTION SERVICES! EXISTING WATER IN VICINITY

CAUTION SERVICES! EXISTING COMMS IN VICINITY

CAUTION SERVICES! EXISTING WATER IN VICINITY

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	12-02-25

Bar Scales

0 2 4 6 8 10m

1 : 100 @ A0

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Client: CORONATION

Scales	1:100	Drawn	ASD
		Designed	ASD
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS CIVIL PACKAGE

Title: SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 3

Civil Engineers and Project Managers
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ABN 86 130 882 405

Status: FOR CONSTRUCTION | A0

Project - Drawing No.: CI10-0-3-03 | Issue: 1

100mm on Original

F:\24-1178 Precinct 75\6.0 Drgs\Civil\Final\1000 SERIES - MAIN WORKS\CI10-0-3-03.dwg

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: SW PLAN SH4		Drawing No: CI10-0-4-04		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388

REFER TO INSERT 'A' FOR CUT OFF SECTION

ADJOINS SHEET 2

ADJOINS SHEET 3

BUILDING C

ROBERTS STREET

MARY STREET

71 MARY ST

69 MARY ST

PROPOSED STAGE 1

59 MARY ST

55-57 MARY ST

BASEMENT RAMP
REFER TO ARCHITECTS DRAWINGS FOR BASEMENT RAMPS AND GRADES

CONTINUE FOOTPATH PAVING TO BUILDING LINE (TYP.)

CONSTRUCT 900 x 900 JUNCTION PIT AND PROVIDE 1 X OCEANGUARD

CONSTRUCT 900 x 715 KERB INLET PIT WITH 1.8m LINTEL (ON-GRADE) AND CLASS 'D' GRATED LID TO IWC STD DWG D1

CAUTION SERVICES! EXISTING SEWER IN VICINITY

RECONSTRUCT EXISTING KIP AS 900 x 715 WITH 1.2m LINTEL (ON-GRADE) AND CLASS 'D' GRATED LID TO IWC STD DWG D1

CONSTRUCT 200mm HIGH KERB & GUTTER TO MATCH EXISTING CONDITION

RECONSTRUCT EXISTING KIP AS 900 x 715 WITH 1.8m LINTEL (SAG) AND CLASS 'D' GRATED LID TO IWC STD DWG D1

SPLAY (TO ACHIEVE MIN. 3.5m WIDE AT KERB LINE AS PER IWC STD DWG R3) HAS NOT BEEN PROVIDED DUE TO CONSTRAINT WITH SAG PIT LOCATION

TIE IN SMOOTHLY WITH EXISTING FOOTPATH LEVEL

TIE IN SMOOTHLY WITH EXISTING ROAD LEVEL

CAUTION! TREE ROOTS

REINSTATE TREE PIT TO IWC STD DWG F1 (TYP.)

CAUTION SERVICES! EXISTING COMMS, GAS, ELECTRICAL, WATER IN VICINITY

CONSTRUCT INDUSTRIAL VEHICULAR CROSSING TO IWC STD DWG R3 (TYP.)

REINSTATE EXISTING RESIDENTIAL VEHICULAR CROSSING TO IWC STD DWG R3 (TYP.)

EXISTING TREE STUMP TO BE REMOVED AND REPLACED WITH FOOTPATH

REFER TO DRAWING C900-0-0-01 FOR RETAINING WALL PLAN AND DETAILS (TYP).

900mm WIDE GRASSED LINE DIVERSION SWALE

DIVERSION SWALE TO TIE INTO PROPOSED OVERLAND FLOW PATH SWALE

PROPOSED 0.7m WIDE x 0.3m HEIGHT CONCRETE BOX DRAIN WITH GALVANIZED GRATE & FRAME

CONCRETE SLAB FOR R.O.W ACCESS TO IWC STD DWG F1

LEGEND

EXISTING

- EXISTING BOUNDARY
- EXISTING EASEMENT
- EXISTING CONTOUR (MAJOR)
- EXISTING CONTOUR (MINOR)
- EXISTING FEATURE
- SUBSOIL
- EXISTING WATERMAIN
- EXISTING ELECTRICAL
- EXISTING OVERHEAD ELECTRICAL
- EXISTING GAS
- EXISTING TELECOMMS
- EXISTING STORMWATER
- EXISTING SEWER
- EXISTING TREE
- EXISTING TREE TO BE RETAINED

PROPOSED

- PROPOSED CONTOUR (MAJOR)
- PROPOSED CONTOUR (MINOR)
- SAWCUT
- FINISHED SURFACE LEVEL
- FOOTPATH
- KERB AND GUTTER
- VEHICULAR CROSSING
- TRENCH DRAIN
- SEALED PIT
- SURFACE INLET PIT
- KERB INLET PIT
- SURFACE INLET PIT WITH OCEANGUARD
- STORMWATER PIPE (Ø100 U.N.O)
- STORMWATER PIT REFERENCE NUMBER
- PROPOSED TREE

NOT

1. EXISTING SERVICES SHOWN ARE INDICATIVE ONLY. DETAILED POTHOLING IS REQUIRED PRIOR TO COMMENCEMENT OF CONSTRUCTION TO VALIDATE THE DESIGN.
2. ALL EXISTING SERVICES ARE TO BE PROTECTED / RELOCATED TO THE SATISFACTION OF THE RELEVANT AUTHORITY
3. REFER HYDRAULIC ENGINEERS DRAWING FOR ALL PODIUM DRAINAGE

INSERT 'A'
1 : 100

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	12-02-25

Bar Scales
0 2 4 6 8 10m
1 : 100 @ A0

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Client: CORONATION

Scales	1:100	Drawn	ASD
		Designed	ASD
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS CIVIL PACKAGE

Title: SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 4

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ABN 96 130 882 405

Status: FOR CONSTRUCTION | A0

Project - Drawing No.: CI10-0-4-04 | Issue: 1

100mm on Original

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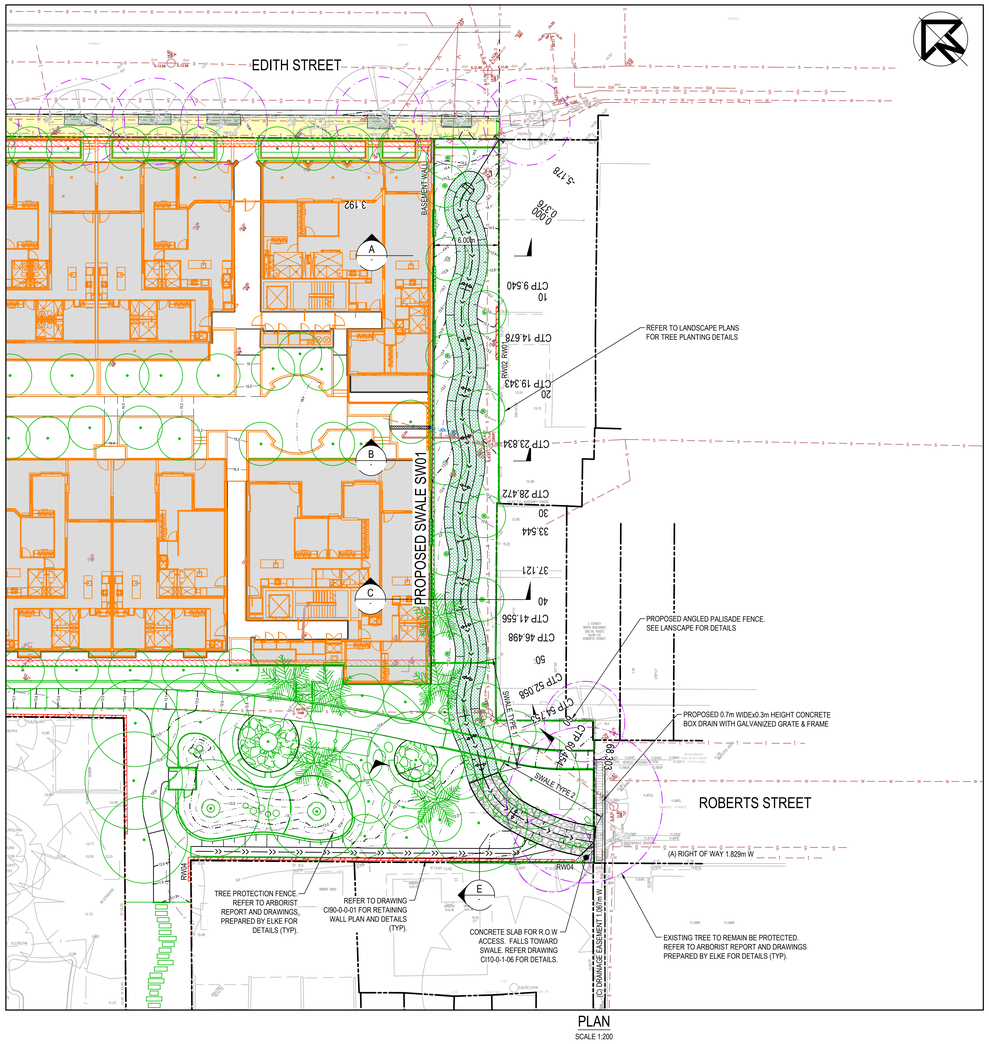
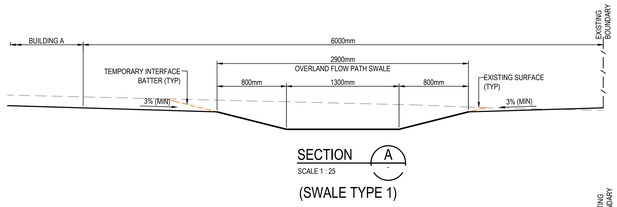
Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: SW SWALE SECT.		Drawing No: C110-0-4-10		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388



PLAN
SCALE 1:200



SECTION A
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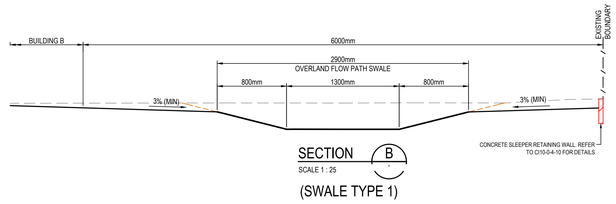
(SWALE TYPE 1)



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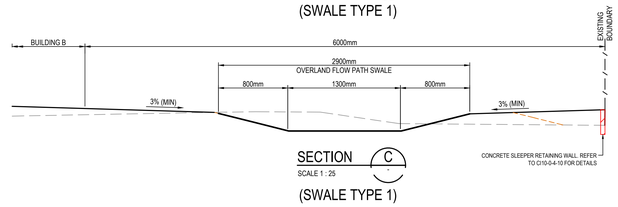

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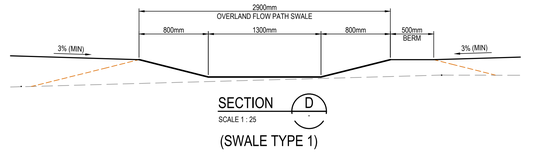
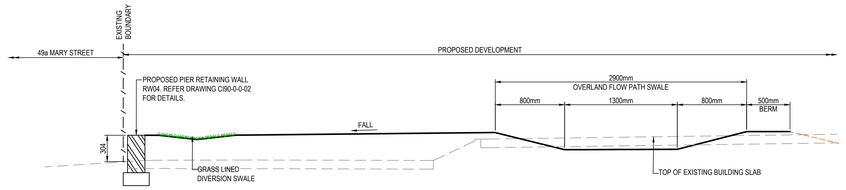
(SWALE TYPE 1)

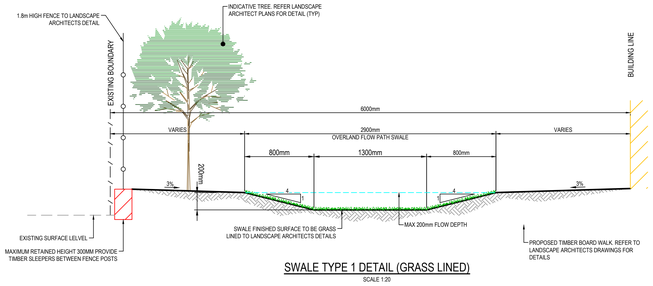


SECTION D
SCALE 1 : 25
(SWALE TYPE 1)

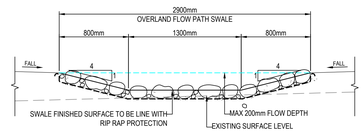


SECTION E
SCALE 1 : 25
(SWALE TYPE 1)

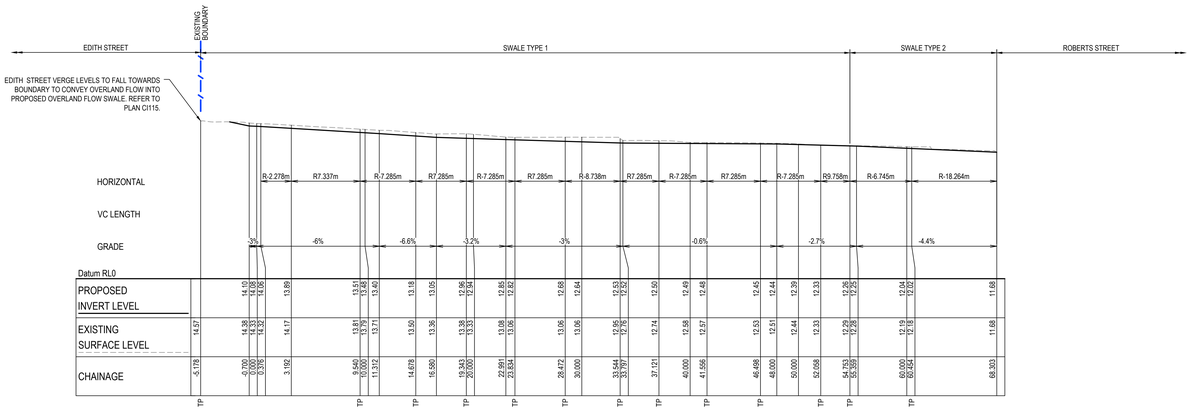
NOTE:
1. REFER DRAWINGS PREPARED BY STRUCTURAL ENGINEER FOR STRUCTURAL DETAILS OF RETAINING WALLS.
2. REFER DRAWINGS PREPARED BY LANDSCAPE ARCHITECT FOR RETAINING ALL WALL TYPES.



SWALE TYPE 1 DETAIL (GRASS LINED)
SCALE 1:20



SWALE TYPE 2 DETAIL (RIP RAP LINED)
SCALE 1:25



LONGITUDINAL SECTION PROPOSED SWALE SW01
SCALE 1:200 HORI.
1:200 VERT.

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	12-02-25

105mm on Original

Bar Scales
0 500 1000 1500 2000mm
1 : 20 @ A1 1 : 40 @ A3
0 0.5 1 1.5 2 2.5m
1 : 25 @ A0
0 5 10 15 20m
1 : 200 @ A0

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Client: CORONATION

Scales	AS SHOWN	Drawn	ASD
		Designed	ASD
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project: PRECINCT 75
ST PETERS, NSW 2044
MAIN WORKS
CIVIL PACKAGE

Title: OVERLAND FLOW SWALE SECTIONS

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ABN 96 130 882 405

Status: FOR CONSTRUCTION | A0

Project - Drawing No.: CI10-0-4-10 | Issue: 1

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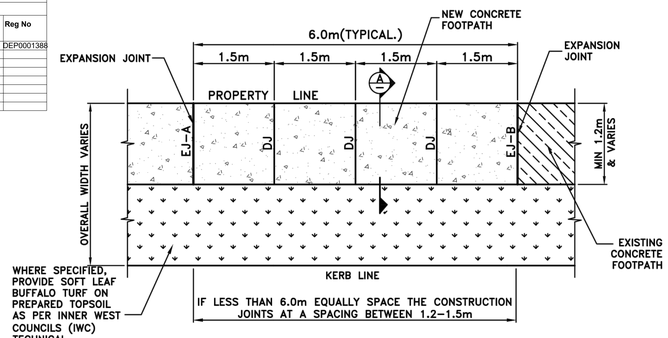
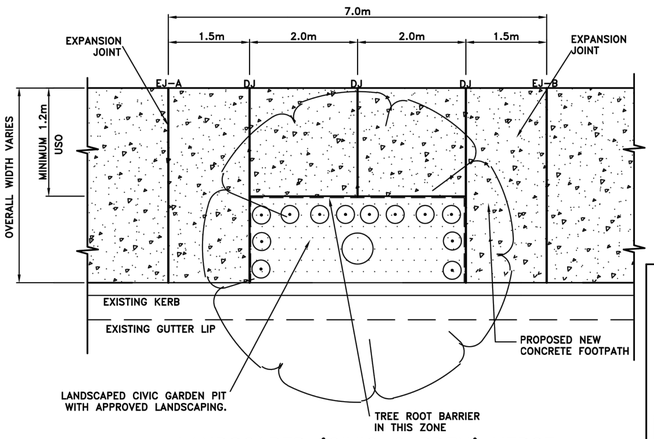
Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800			Body Corporate Reg No: -	
Drawing Title: SITEWORKS SH1			Drawing No: CI15-0-0-01	
Rev	Date dd.mm.yy	Description	DP Full Name	Reg No
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388



STANDARD UNREINFORCED CONCRETE FOOTPATH (F1)

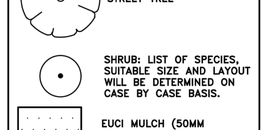
SCALE 1:100

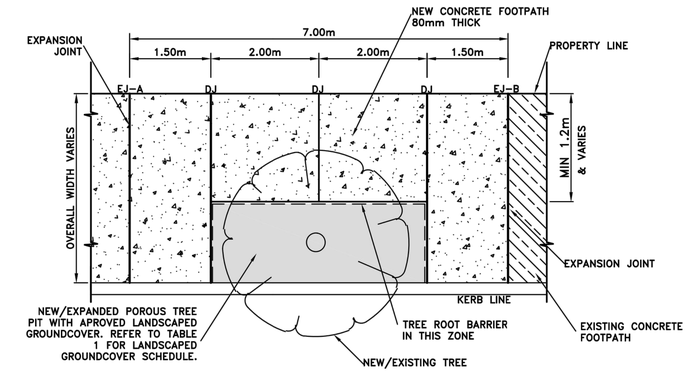
TABLE 1	LANDSCAPED TREE PIT PLANTING SCHEDULE		
LEGEND	SPECIES	SPACING	POT SIZE
	GAZANIA TOMENTOSA OR DICHONDRA REPENS OR OTHER SIMILAR LANDSCAPED GROUNDCOVER SPECIES APPROVED BY COUNCIL'S SUSTAINABLE STREET OFFICER	0.8m CTS	140mm dia.



LANDSCAPED 'CIVIC GARDEN' VERGE (TYPICAL DETAIL)

SCALE 1:100





F1 PATH: CONCRETE FOOTPATH - TYPICAL DETAIL (AROUND TREE PIT)

NEW/EXISTING TREE IN POROUS TREE PIT
SCALE 1:100

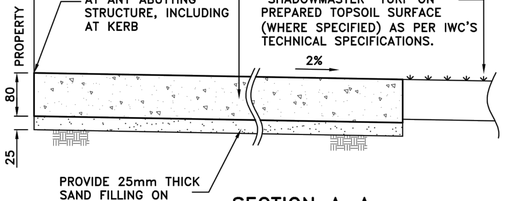
NOTE
FOR FOOTPATHS WITH EXISTING TREES, TRIPSTOPS OR APPROVED SIMILAR TO BE USED AT JOINTS-SEE PLAN F2.

WORK METHOD STATEMENT FOR NEW CIVIC GARDEN LANDSCAPE AREA WITH NEW TREE:-

- SUBGRADE TO BE CULTIVATED AND COMPACTED TO MINIMUM DEPTH OF 100mm
- PLANTING AREAS TO BE EXCAVATED TO A MINIMUM DEPTH OF 300mm BELOW EXISTING FOOTPATH SURFACE LEVEL (EXCEPT 0.5M EXCLUSION ZONE AROUND TREE (BE CAREFUL NOT TO CAUSE DAMAGE TO TREE ROOTS)
- SPRAY AREA WITH HERBICIDE (EG: ROUNDUP OR BIO 180 AS AGREED WITH COUNCIL)
- IN LOCATIONS OF NEW PLANTS, ADD 300mm OF PREMIUM GRADE GARDEN SOIL.
- PLANT OUT LANDSCAPE AREA WITH PLANTS AS SPECIFIED.
- EUCI MULCH LAYER MINIMUM 75mm DEPTH IS TO BE SPREAD THROUGHOUT ALL PLANTING AREA.
- GARDEN AREA TO BE WATERED TWICE A WEEK BY THE CONTRACTOR FOR 3 MONTHS, OR AS REQUIRED TO MAINTAIN A HEALTHY GARDEN.

WORK METHOD STATEMENT FOR NEW CIVIC GARDEN LANDSCAPE AREA WITH EXISTING TREE:-

- DIG OUT 75MM DEPTH (EXCEPT 0.5M EXCLUSION ZONE AROUND TREE (BE CAREFUL NOT TO CAUSE DAMAGE TO TREE ROOTS)
- SPRAY AREA WITH HERBICIDE (EG: ROUNDUP OR BIO 180 AS AGREED WITH COUNCIL)
- IN LOCATIONS OF NEW PLANTS, LIGHTLY SCARIFY & LOOSEN SOIL (MIN 50MM), ADD COMPOST AND WORK INTO EXISTING SOIL.
- PLANT OUT LANDSCAPE AREA WITH PLANTS AS SPECIFIED.
- EUCI MULCH LAYER IS TO BE SPREAD THROUGHOUT ALL PLANTING AREA.
- GARDEN AREA TO BE WATERED TWICE A WEEK BY THE CONTRACTOR FOR 3 MONTHS, OR AS REQUIRED TO MAINTAIN A HEALTHY GARDEN.



SECTION A-A

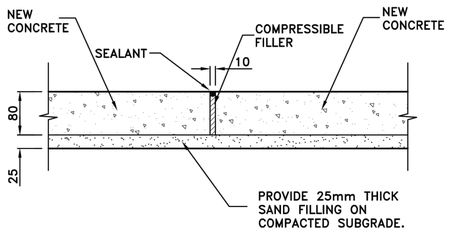
SCALE 1:10

FOOTPATH NOTES 1:

1. **CONCRETE STRENGTH**
   - A) KERB, KERB & GUTTER, FOOTPATH, CYCLEWAY, VEHICLE CROSSING, PRAM RAMP, EDGE STRIP: 25MPA @ 28 DAYS
   - B) DISH CROSSING, ROAD PLATFORM/HUMP, ROAD SLAB: 40MPA @ 28 DAYS
   - C) FOR TRAFFICKED AREAS WHERE FACILITY MUST BE OPEN TO TRAFFIC WITHIN 12 HOURS (EG VEHICLE CROSSING, ROAD SLAB, DISH CROSSING, ROAD PLATFORM/HUMP: 40 MPA WITH ACCELERATOR SUCH AS 2% CACL (REFER TO SP40HC).
   - D) FOR COLOURED OR DECORATIVE CONCRETE FINISHES A MINIMUM OF 32-MPA CONCRETE SHOULD BE USED
2. **CONCRETE FINISH**
   - A) KERB, GUTTER, LAYBACK, DISH CROSSING, PIT (OUTER EXPOSED) - STEEL TROWEL
   - B) VEHICLE CROSSINGS, FOOTPATH, CYCLEWAY, ROAD SLABS, PRAM RAMP, ROAD HUMPS/RAMPS - BROOM/BRUSH.
3. **REINFORCEMENT**
   - A) TO AS 4671.
   - B) MINIMUM COVER: 50MM
4. **JOINTING AND MINIMUM DIMENSIONS**
   - A) ANY RECONSTRUCTED SECTION OF CONCRETE SHALL HAVE A MINIMUM DIMENSION OF 900MM IN ANY DIRECTION.
   - B) ALL JOINTS SHALL BE AT RIGHT ANGLES UNLESS DIRECTED OTHERWISE BY THE COUNCIL ENGINEER.
   - C) EXPANSION JOINTS (UNREINFORCED CONCRETE): 10MM APPROVED BITUMEN FILLER AT MAXIMUM 10M INTERVALS.
   - D) EXPANSION JOINTS (REINFORCED CONCRETE): 10MM APPROVED BITUMEN FILLER AT MAXIMUM 12M INTERVALS, WITH 32MM DIA DEFORMED HOT DIPPED GALVANISED DOWELS, 600MM LONG, AT 500MM CENTRES WITH UPVC SLEEVE AND LEG - MINIMUM 2 DOWELS/JOINT, WITH NO DOWEL CLOSER THAN 150MM TO A VERTICAL EDGE. 'CONNELLY' JOINTS OR EQUIVALENT MAY BE USED.ALL DOWELS SHALL BE PERFECTLY ALIGNED IN PLAN VIEW AND IN ELEVATION, IE THE DOWELS SHALL NOT BE SPLAYED RELEVANT TO EACH OTHER.
   - E) ALL EXPANSION JOINT MATERIAL SHALL BE THE SAME THICKNESS OF THE CONCRETE AND BE IN ONE LENGTH & WIDTH.
   - F) AT ALL EXPANSION JOINTS, ANY 'SPILL' CONCRETE FROM THE PREVIOUS POUR (IE SEPARATE TO THE FINISHED CONCRETE) SHALL BE REMOVED.
   - G) CONTRACTION/DUMMY JOINTS (UNREINFORCED CONCRETE) - EQUALLY BETWEEN EXPANSION JOINTS BUT NOT LESS THAN THE CONCRETE WIDTH BETWEEN JOINTS/EDGES AND NOT MORE THAN 1.5 TIMES THE WIDTH OF FOOTPATH.
5. **EXCAVATION**
   - A) AT ALL JOINS TO EXISTING CONCRETE/ASPHALT - THE JOIN SHALL BE SAW CUT BEFORE EXCAVATION.
   - B) ALL EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT A LICENSED WASTE DISPOSAL FACILITY.
6. **UTILITIES, SERVICES & SURVEY MARKS**
   - A) ALL UNDERGROUND UTILITY SERVICES SHALL BE CHECKED FOR LEVEL AND LOCATION PRIOR TO COMMENCEMENT OF WORKS, BY THE CONTRACTOR.
   - B) ALL SERVICE COVERS AFFECTED BY THE WORKS SHALL BE ADJUSTED AS REQUIRED AND TO SUIT THE LEVELS OF THE NEW WORK. NO SERVICE FITTINGS SHALL BE COVERED.
   - C) PROPERTY STORMWATER PIPES: WHERE AFFECTED, SHALL BE REPLACED WITH 90MM UPVC OR TO SUIT EXISTING AND INVERT SHALL MATCH THE GUTTER LEVEL.
   - D) STATE SURVEY MARKS (SSM'S) - SHALL NOT BE DISTURBED UNLESS APPROVED BY THE COUNCIL ENGINEER.
   - E) AT ALL LIGHT/POWER POLES, THE CONCRETE SHALL BE ENDED 150MM CLEAR OF THE POLE AND THE GAP FILLED WITH 30MM OF 10MM COLDMIX/ASPHALTIC CONCRETE.
7. **NATURE STRIP RESTORATION**
   - A) MATCH EXISTING TURF.
   - B) IF NEW TURF IS SPECIFIED - USE SOFT LEAF BUFFALO "SHADEMASTER', LAID ON 100MM THICK PREPARED TOPSOIL, OR AS SPECIFIED BY THE COUNCIL ENGINEER.
8. **EXISTING SIGNAGE**
   - A) SUCH SIGNAGE SHALL BE REINSTATED UNLESS THE COUNCIL ENGINEER ADVISES OTHERWISE.
   - B) SIGNS REPLACED OR NEW, WITHIN THE NEW CONCRETE SHALL BE INSTALLED WITH A V-LOK.
   - C) HERITAGE STREET NAME SIGNS EMBEDDED IN FOOTPATH PAVING AND KERBS - CAUTION SHALL BE EXERCISED TO NOT DAMAGE THESE SIGNS AND THE CONTRACTOR SHALL LIAISE WITH THE COUNCIL ENGINEER TO DETERMINE WHAT ACTION TO IMPLEMENT WHERE DISTURBANCE OF THE SIGN IS ESSENTIAL.
9. **RESIDENT NOTIFICATION**
   - A) ALL RESIDENTS AFFECTED BY THE WORKS SHALL BE NOTIFIED AT LEAST 2 WORKING DAYS BEFORE THE RELEVANT WORK COMMENCES AND ANY REASONABLE REQUESTS ACCOMMODATED.
10. **SAFETY/SIGNAGE/ACCESS**
    - A) DURING CONSTRUCTION, ADEQUATE WARNING SIGNS AND BARRICADING SHALL BE PROVIDED TO ENSURE THAT THE WORK SITE MEETS THE REQUIREMENTS OF AS 1742.2 & 1743.3, AND TO PROVIDE ADEQUATE PROTECTION TO PEDESTRIANS & MOTORISTS.
    - B) ADEQUATE AND SAFE ACCESS FOR PEDESTRIANS SHALL BE PROVIDED AT ALL TIMES.
    - C) AT DRIVEWAYS - PREVENTION OF ACCESS SHALL BE KEPT TO AN ABSOLUTE MINIMUM AND ARRANGEMENTS SHALL BE MADE WITH THE RESIDENT/BUSINESS, BY THE CONTRACTOR, FOR A SUITABLE DAY/TIME FOR THIS WORK. USE OF HIGHER STRENGTH CONCRETE, WITH SHORTER CURING TIME MAY BE NECESSARY.
11. **DIMENSIONS**
    - A) ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
12. **GENERAL**
    - A) ALL WORKS SHALL BE CARRIED OUT TO COUNCIL'S SPECIFICATION, TO BEST PRACTICE STANDARDS, AND TO THE SATISFACTION OF COUNCIL'S SUPERVISING ENGINEER.
    - B) DURING AND AFTER EXCAVATION, ANY UNSOUND AREAS BELOW THE CONCRETE WORK SHALL BE DRAWN TO THE COUNCIL ENGINEER'S ATTENTION, TO ESTABLISH IF ANY ADDITIONAL EXCAVATION/ BASE COURSE IS NECESSARY.
    - C) THE WORK SITE SHALL BE KEPT IN A CLEAN, TIDY, AND SAFE CONDITION AT ALL TIMES AND TO THE SATISFACTION OF COUNCIL'S ENGINEER.
13. **DOCUMENT PRIORITY**
    - A) THIS PLAN SUPERSEDES ANY STATEMENTS ON OTHER DOCUMENTS, EG SPECIFICATIONS, OTHER PLANS, ETC, UNLESS ADVISED BY THE COUNCIL ENGINEER.
14. **INSPECTIONS**

INSPECTIONS BY THE COUNCIL SUPERVISING ENGINEER SHALL BE REQUIRED AT THE FOLLOWING STAGES AND AS OTHERWISE DIRECTED BY THE COUNCIL ENGINEER:

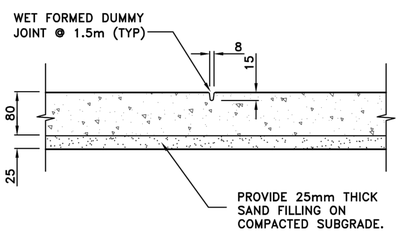
- A) EXCAVATION COMPLETED, SUBGRADE PREPARED AND SAND PLACED.
- B) ROAD BASE PLACED AND COMPACTED,WHERE APPLICABLE.
- C) FORMWORK AND REINFORCEMENT SET.
- D) CONCRETE POURED AND CURED.
- E) COMPLETED.



EXPANSION JOINT A (EJ-A)

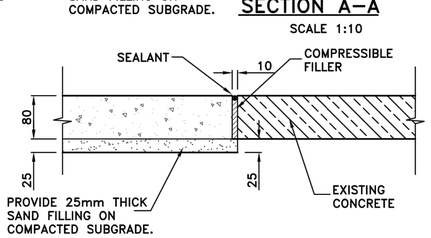
SCALE 1:10

(ORIGINAL = A3 SHEET)



DUMMY JOINT (DJ)

SCALE 1:10



EXPANSION JOINT B (EJ-B)

SCALE 1:10

NOTE:
WHERE NEW TREES ARE INSTALLED - PROVIDE TREE ROOT BARRIER SURE GRO TYPE RB600H OR SIMILAR APPROVED TO MANUFACTURERS SPECIFICATION.

CHECKED & APPROVED	SURVEYED & DRAFTED	QUANTITIES	SERVICES AFFECTED	S.R.A. / SURV. GEN.		SERVICES	DATUM		
				R.T.A.		TELECOM/OPTUS —T—T—T—T—	A. H. D.		
APPROVED FOR CONSTRUCTION	DESIGNED PG/DJT MAY 2019	INNER WEST COUNCIL		A.G.L. / SHELL PIPELINES		GAS —G—G—G—G—	SCALES		
	DRAWN PG/DJT MAY 2019			SYDNEY WATER		SEWER —S—S—S—S—	AS SHOWN		
				TELSTRA / OPTUS		WATER —W—W—W—W—			
				SYDNEY ELECTRICITY		RAILWAY —R—R—R—R—			
				NOTICE OF ENTRY		ELEC. CABLES —E—E—E—E—			
				KERB & GUTTER		OIL PIPELINES —P—P—P—P—			
				NOTICES	DATE	STORM WATER —SW—SW—SW—		AMEND DATE DESCRIPTION APPROV.	

INNER WEST COUNCIL

STANDARD FOOTPATH DRAWING - F1

80mm THICK UNREINFORCED CONCRETE FOOTPATH

FILE NO. | SHEET NO.

PLAN NO. F1

VERSION V1

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	12-02-25

Bar Scales

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Client: CORONATION

Scales	NTS	Drawn	ASD
		Designed	ASD
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS CIVIL PACKAGE

Title: SITEWORKS DETAILS SHEET 1

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

Status: FOR CONSTRUCTION | A0

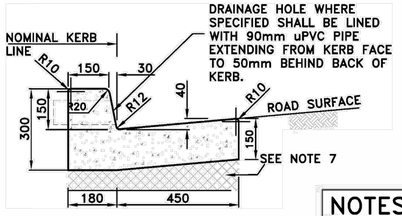
Project - Drawing No.: CI15-0-0-01 | Issue: 1

100mm on Original

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

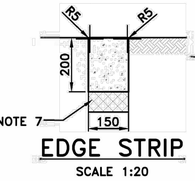
F:\24-1178 Precinct 75\6.0 Drgs\Civil\Final\1000 SERIES - MAIN WORKS\CI15-0-0-01.dwg

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: SITEWORKS SH2		Drawing No: CI15-0-0-02		
Rev	Date dd.mm.yy	Description	DP Full Name	Reg No
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388



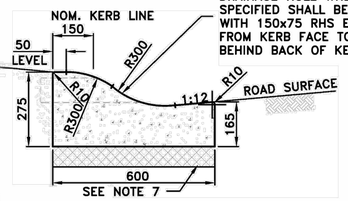
150mm INTEGRAL KERB & GUTTER

SCALE 1:20



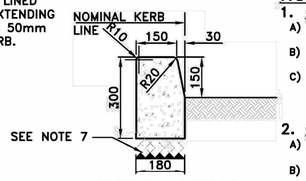
EDGE STRIP

SCALE 1:20



ROLL KERB

SCALE 1:20

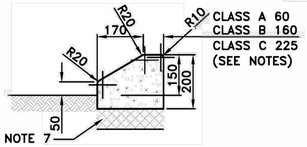


KERB ONLY

SCALE 1:20

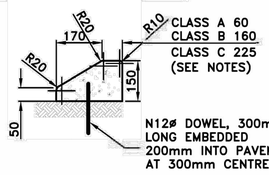
NOTES

1. CLASS A REFERS TO RESIDENTIAL USE.
2. CLASS B REFERS TO GARDEN BED SURROUND ONLY.
3. CLASS C REFERS TO MEDIUM DENSITY COMMERCIAL AND INDUSTRIAL USE.



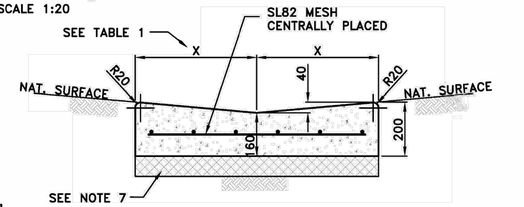
MOUNTABLE KERB–TYPE 1 (OVER ASPHALT CONC.)

SCALE 1:20



MOUNTABLE KERB–TYPE 2 (OVER CONCRETE SLAB)

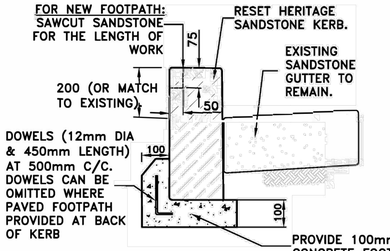
SCALE 1:20



REINFORCED DISH CROSSING

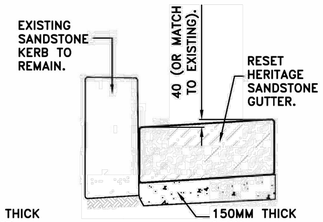
SCALE 1:20

TABLE 1: DISH CROSSING WIDTHS (X VALUE)	
TYPE	X (WIDTH)
1	300
2	450
3	600



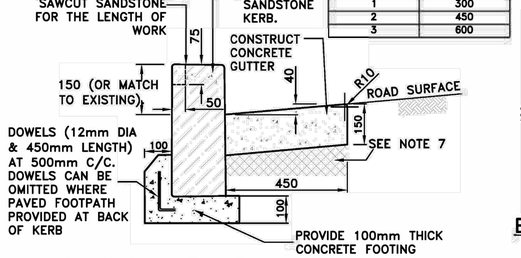
SANDSTONE KERB RESETTING DETAIL(WITH S/STONE GUTTER)

SCALE 1:20



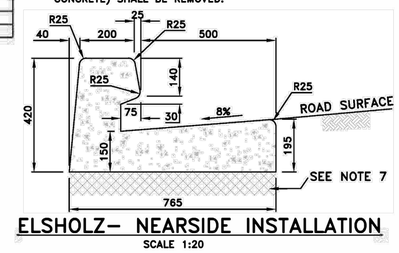
SANDSTONE GUTTER RESETTING DETAIL

SCALE 1:20



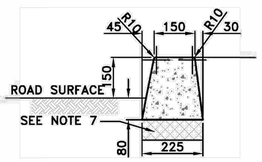
SANDSTONE KERB RESETTING DETAIL (WITH CONC GUTTER)

SCALE 1:20



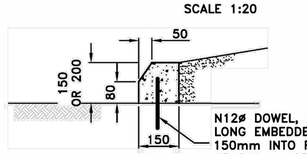
ELSHOLZ– NEARSIDE INSTALLATION

SCALE 1:20



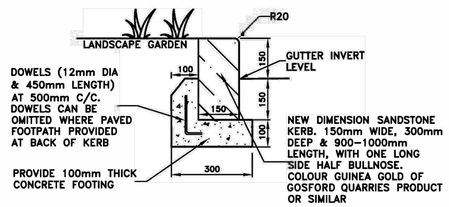
TYPICAL SM KERB DETAIL (ASPHALT ROADS)

SCALE 1:20



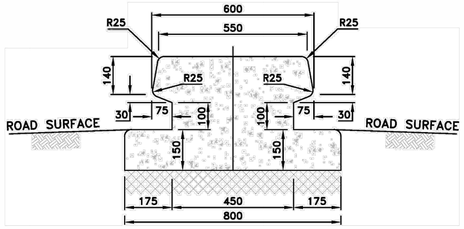
TYPICAL BULLNOSE KERB (CONCRETE ROADS)

SCALE 1:20



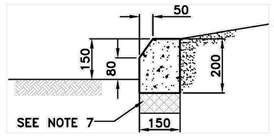
TYPICAL 150MM DIMENSION SANDSTONE KERB

SCALE 1:10



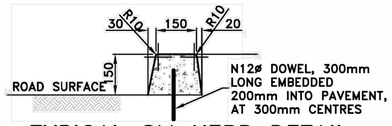
ELSHOLZ– TYPICAL MEDIAN INSTALLATION

FLEXIBLE PAVEMENT
SCALE 1:20



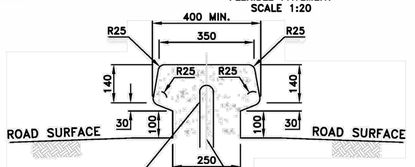
TYPICAL BULLNOSE KERB (ASPHALT ROADS)

SCALE 1:20



TYPICAL SM KERB DETAIL (CONCRETE ROADS)

SCALE 1:20



DIMENSIONS OF U1–12 BARS DEPENDENT ON BRIDGE DECK OR CONCRETE PAVEMENT DESIGN

BARRIER SHELL BE SET IN A CONTINUOUS KEYED FOUNDATION AS SHOWN OR DOWELLED TO CONCRETE PAVEMENT AT 1000 C/C USING ø28 DOWELS (240 LONG)

ELSHOLZ– NARROW MEDIAN

CONCRETE PAVEMENT AND BRIDGE DECKS
SCALE 1:20

(ORIGINAL = A3 SHEET)

ROAD NOTES 1:

1. CONCRETE STRENGTH

A) KERB, KERB & GUTTER, FOOTPATH, CYCLEWAY, VEHICLE CROSSING, PRAM RAMP, EDGE STRIP: 25MPA @ 28 DAYS
B) DISH CROSSING, ROAD PLATFORM/HUMP, ROAD SLAB: 40MPA @ 28 DAYS
C) FOR TRAFFICKED AREAS WHERE FACILITY MUST BE OPEN TO TRAFFIC WITHIN 12 HOURS (EG VEHICLE CROSSING, ROAD SLAB, DISH CROSSING, ROAD PLATFORM/HUMP: 40 MPA WITH ACCELERATOR SUCH AS 2% CACL (REFER TO SP40HC).

2. CONCRETE FINISH

A) KERB, GUTTER, LAYBACK, DISH CROSSING, PIT (OUTER EXPOSED) – STEEL TROWEL
B) VEHICLE CROSSINGS, FOOTPATH, CYCLEWAY, ROAD SLABS, PRAM RAMP, ROAD HUMPS/RAMPS – BROOM/BRUSH.

3. REINFORCEMENT

A) TO AS 4671
B) MINIMUM COVER: 50MM

4. JOINTING, MINIMUM DIMENSIONS, AND REINFORCEMENT IN CONCRETE SLABS

A) ANY RECONSTRUCTED SECTION OF CONCRETE SHALL HAVE A MINIMUM DIMENSION OF 900MM IN ANY DIRECTION.
B) ALL JOINTS SHALL BE AT RIGHT ANGLES UNLESS DIRECTED OTHERWISE BY THE COUNCIL ENGINEER.
C) EXPANSION JOINTS WILL BE ALIGNED WITH ADJOINING FOOTPARH/ROAD JOINTS.
D) EXPANSION JOINTS (REINFORCED CONCRETE, IE DISH CROSSINGS & LAYBACKS): 10MM APPROVED BITUMEN FILLER AT MAXIMUM 12M INTERVALS, WITH 12MM DIA DEFORMED HOT DIPPED GALVANISED DOWELS, 600MM LONG, AT 500MM CENTRES WITH UPVC SLEEVE AND LEG – MINIMUM 2 DOWELS/JOINT, WITH NO DOWEL CLOSER THAN 150MM TO A VERTICAL EDGE. 'CONNELLY' JOINTS OR EQUIVALENT MAY BE USED.
E) ALL DOWELS SHALL BE PERFECTLY ALIGNED IN PLAN VIEW AND IN ELEVATION, IE THE DOWELS SHALL NOT BE SPLAYED RELEVANT TO EACH OTHER.
F) ALL EXPANSION JOINT MATERIAL SHALL BE THE SAME THICKNESS OF THE CONCRETE AND BE IN ONE LENGTH & WIDTH.
G) AT ALL EXPANSION JOINTS, ANY 'SPILL' CONCRETE FROM THE PREVIOUS POUR (IE SEPARATE TO THE FINISHED CONCRETE) SHALL BE REMOVED.
H) CONTRACTION/DUMMY JOINTS (UNREINFORCED CONCRETE) – NOMINALLY AT 3M INTERVALS OR EQUALLY BETWEEN EXPANSION JOINTS BUT NOT LESS THAN THE CONCRETE WIDTH BETWEEN JOINTS/EDGES.

5. KERB RAMPS

A) SEE STANDARD PLAN F4.

6. EXCAVATION

D) AT ALL JOINS TO EXISTING CONCRETE/ASPHALT – THE JOIN SHALL BE SAW CUT BEFORE EXCAVATION.
E) ALL EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT A LICENSED WASTE DISPOSAL FACILITY.

7. ROAD BASE

A) ROAD BASE SHALL BE PROVIDED BENEATH KERBS, GUTTERS, APRONS AND DISH CROSSINGS WITH 150MM THICK RECYCLED COMPACTED DGB20 OR 150mm THICK LEAN MIX CONCRETE.
B) COMPACTION: 95% STANDARD.
C) RECYCLED DGB SPECIFICATION: FOR SUPPLY OF RECYCLED MATERIAL FOR PAVEMENTS, EARTHWORKS, AND DRAINAGE REFER TO SPECIFICATION FOR SUPPLY OF RECYCLED MATERIAL FOR PAVEMENTS, EARTHWORKS AND DRAINAGE' BY IPWEA (NSW) (LATEST EDITION).

8. RESTORATION OF ADJOINING ROAD PAVEMENT

A) SHALL MATCH EXISTING IF APPROVED BY COUNCIL ENGINEER OR BE CARRIED OUT WITH FULL DEPTH AC20 AND AC10, WITH THE SURFACE FINISH BEING WITH AC10 (MINIMUM THICKNESS 30MM).
B) AC SHALL CONFORM TO RMS SPECIFICATION R116 – 'ASPHALT (DENSE AND OPEN GRADED)'.

9. UTILITIES, SERVICES & SURVEY MARKS

A) ALL UNDERGROUND UTILITY SERVICES SHALL BE CHECKED FOR LEVEL AND LOCATION PRIOR TO COMMENCEMENT OF WORKS, BY THE CONTRACTOR.
B) ALL SERVICE COVERS AFFECTED BY THE WORKS SHALL BE ADJUSTED AS REQUIRED AND TO SUIT THE LEVELS OF THE NEW WORK. NO SERVICE FITTINGS SHALL BE COVERED.
C) PROPERTY STORMWATER PIPES: WHERE AFFECTED, SHALL BE REPLACED WITH 90MM UPVC OR TO SUIT EXISTING AND INVERT SHALL MATCH THE GUTTER LEVEL.
D) STATE SURVEY MARKS (SSM'S) – SHALL NOT BE DISTURBED UNLESS APPROVED BY THE COUNCIL ENGINEER.
E) AT ALL LIGHT/POWER POLES, THE CONCRETE SHALL BE ENDED 150MM CLEAR OF THE POLE AND THE GAP FILLED WITH 30MM OF 10MM COLDMIX/ASPHALTIC CONCRETE.

10. NATURE STRIP RESTORATION

A) MATCH EXISTING TURF.
B) IF NEW TURF IS SPECIFIED – USE SOFT LEAF BUFFALO 'SHADEMASTER', LAID ON 100MM THICK PREPARED TOPSOIL, AS SPECIFIED BY THE COUNCIL ENGINEER.

11. EXISTING SIGNAGE

A) SUCH SIGNAGE SHALL BE REINSTATED UNLESS THE COUNCIL ENGINEER ADVISES OTHERWISE.
B) SIGNS REPLACED OR NEW, WITHIN THE NEW CONCRETE SHALL BE INSTALLED WITH A V–LOK.
C) HERITAGE STREET NAME SIGNS EMBEDDED IN FOOTPATH PAVING AND KERBS – CAUTION SHALL BE EXERCISED TO NOT DAMAGE THESE SIGNS AND THE CONTRACTOR SHALL LIAISE WITH THE COUNCIL ENGINEER TO DETERMINE WHAT ACTION TO IMPLEMENT WHERE DISTURBANCE OF THE SIGN IS ESSENTIAL.

12. RESIDENT NOTIFICATION

A) ALL RESIDENTS AFFECTED BY THE WORKS SHALL BE NOTIFIED AT LEAST 2 WORKING DAYS BEFORE THE RELEVANT WORK COMMENCES AND ANY REASONABLE REQUESTS ACCOMMODATED.

13. SAFETY/SIGNAGE/ACCESS

A) DURING CONSTRUCTION, ADEQUATE WARNING SIGNS AND BARRICADING SHALL BE PROVIDED TO ENSURE THAT THE WORK SITE MEETS THE REQUIREMENTS OF AS 1742.2 & 1743.3, AND TO PROVIDE ADEQUATE PROTECTION TO PEDESTRIANS & MOTORISTS.
B) ADEQUATE AND SAFE ACCESS FOR PEDESTRIANS SHALL BE PROVIDED AT ALL TIMES.
C) AT DRIVEWAYS – PREVENTION OF ACCESS SHALL BE KEPT TO AN ABSOLUTE MINIMUM AND ARRANGEMENTS SHALL BE MADE WITH THE RESIDENT/BUSINESS, BY THE CONTRACTOR, FOR A SUITABLE DAY/TIME FOR THIS WORK. USE OF HIGHER STRENGTH CONCRETE, WITH SHORTER CURING TIME MAY BE NECESSARY.

14. DIMENSIONS

A) ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SHOWN OTHERWISE.

15. GENERAL

A) ALL WORKS SHALL BE CARRIED OUT TO COUNCIL'S SPECIFICATION, TO BEST PRACTICE STANDARDS, AND TO THE SATISFACTION OF COUNCIL'S SUPERVISING ENGINEER.
B) DURING AND AFTER EXCAVATION, ANY UNSOUND AREAS BELOW THE CONCRETE WORK SHALL BE DRAWN TO THE COUNCIL ENGINEER'S ATTENTION, TO ESTABLISH IF ANY ADDITIONAL EXCAVATION/ BASE COURSE IS NECESSARY.
C) THE WORK SITE SHALL BE KEPT IN A CLEAN, TIDY, AND SAFE CONDITION AT ALL TIMES AND TO THE SATISFACTION OF COUNCIL'S ENGINEER.

16. DOCUMENT PRIORITY

A) THIS PLAN SUPERSEDES ANY STATEMENTS ON OTHER DOCUMENTS, EG SPECIFICATIONS, OTHER PLANS, ETC, UNLESS ADVISED BY THE COUNCIL ENGINEER.

17. INSPECTIONS

INSPECTIONS BY THE COUNCIL SUPERVISING ENGINEER SHALL BE REQUIRED AT THE FOLLOWING STAGES AND AS OTHERWISE DIRECTED BY THE COUNCIL ENGINEER:–

A) EXCAVATION COMPLETED,
B) DGB PLACES AND COMPACTED.
C) FORMWORK AND REINFORCEMENT SET.
D) CONCRETE POURED AND CURED.
E) COMPLETED.

CHECKED & APPROVED

APPROVED FOR CONSTRUCTION

SURVEYED & DRAFTED

DESIGNED PG/DJT MAY 2019

DRAWN PG/DJT MAY 2019

QUANTITIES

INNER WEST COUNCIL

SERVICES AFFECTED

NOTICES DATE
S.R.A. / SURV. GEN.
R.T.A.
A.G.L. / SHELL PIPELINES
SYDNEY WATER
TELSTRA / OPTUS
SYDNEY ELECTRICITY
NOTICE OF ENTRY
KERB & GUTTER

SERVICES
TELECOM/OPTUS —T—T—T—T—
GAS —G—G—G—G—
SEWER —S—S—S—S—
WATER —W—W—W—W—
RAILWAY —R—R—R—R—
ELEC. CABLES —E—E—E—E—
OIL PIPELINES —P—P—P—P—
STORM WATER —SW—SW—SW—

DATUM A. H. D.

SCALES 1:20

AMEND	DATE	DESCRIPTION	APPROV.

INNER WEST COUNCIL

STANDARD ROADS DRAWING – R1

STANDARD KERB PROFILES

FILE NO.

SHEET NO.

PLAN NO. R1

VERSION V1

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	26-03-25

Bar Scales

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Client: CORONATION

Scales: NTS
Grid: GDA20 MGA56
Height Datum: AHD

Drawn: ASD
Designed: ASD
Checked:
Approved: AB

GDA2020

Project: PRECINCT 75
ST PETERS, NSW 2044
MAIN WORKS
CIVIL PACKAGE

Title: SITEWORKS DETAILS SHEET 2

Civil Engineers and Project Managers
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Level 7, 153 Walker Street
North Sydney
NSW 2060
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ABN 96 130 882 405

Status: FOR CONSTRUCTION

A0

Project - Drawing No. CI15-0-0-02

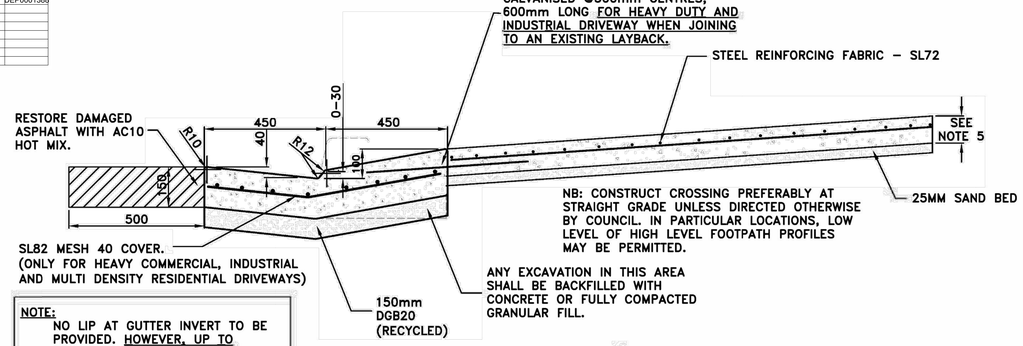
Issue 1

100mm on Original

F:\24-1178 Precinct 75\6.0 Drgs\Civil\Final\1000 SERIES - MAIN WORKS\CI15-0-0-02.dwg

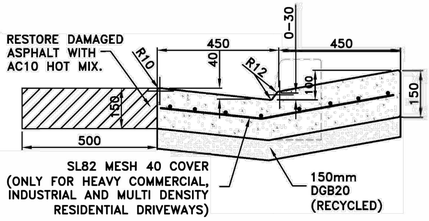
Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: SITEWORKS SH3		Drawing No: CI15-0-0-03		
Rev	Date dd.mm.yy	Description	DP Full Name	Reg No
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388

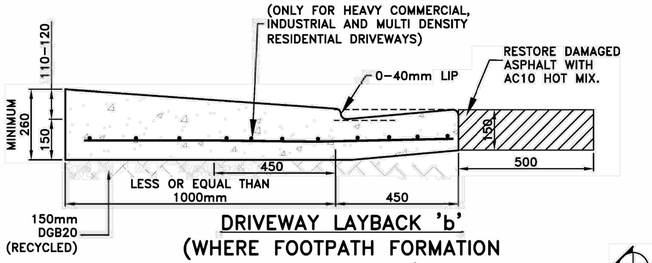


NOTE:
NO LIP AT GUTTER INVERT TO BE PROVIDED. HOWEVER, UP TO 30mm CAN BE PROVIDED IF REQUIRED TO ELIMINATE RISK OF VEHICLE SCRAPING

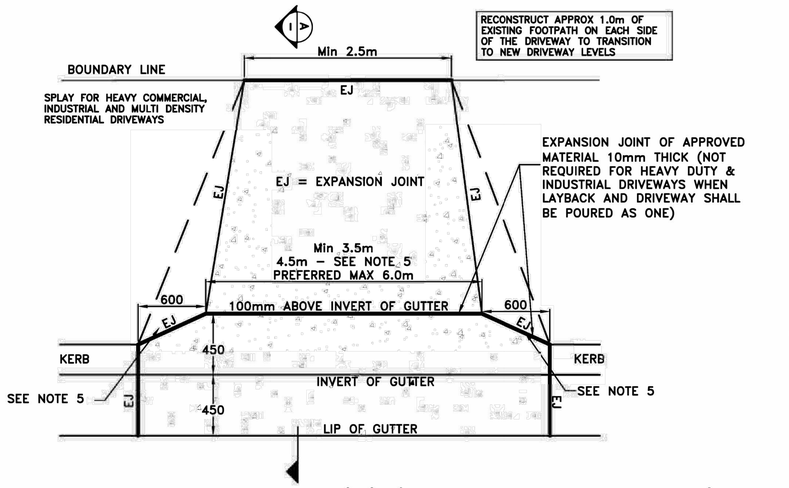
SECTION A–A
SCALE 1:20



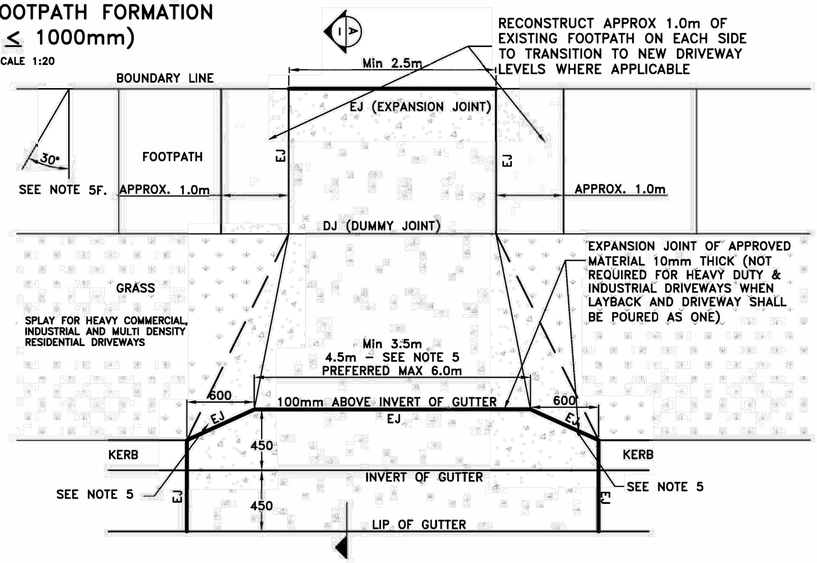
DRIVEWAY LAYBACK–'a'
(WHERE FOOTPATH FORMATION IS GREATER THAN 1000mm)
SCALE 1:20



DRIVEWAY LAYBACK 'b'
(WHERE FOOTPATH FORMATION IS ≤ 1000mm)
SCALE 1:20



DRIVEWAY SPECIFICATION–'A' (FULLY PAVED FOOTPATH)
(ORIGINAL = A3 SHEET)
NOT TO SCALE



DRIVEWAY SPECIFICATION–'B'
WITH GRASS VERGE
NOT TO SCALE

ROAD NOTES 2:

1. CONCRETE STRENGTH
A) KERB, KERB & GUTTER, FOOTPATH, CYCLEWAY, VEHICLE CROSSING, PRAM RAMP, EDGE STRIP: 25MPA @ 28 DAYS
B) FOR TRAFFICKED AREAS WHERE FACILITY MUST BE OPEN TO TRAFFIC WITHIN 12 HOURS (EG VEHICLE CROSSING, ROAD SLAB, DISH CROSSING, ROAD PLATFORM/HUMP: 40 MPA WITH ACCELERATOR SUCH AS 2% CACL (REFER TO SP40HC).

2. CONCRETE FINISH
A) KERB, GUTTER, LAYBACK, DISH CROSSING, PIT (OUTER EXPOSED) – STEEL TROWEL
B) VEHICLE CROSSINGS, FOOTPATH, CYCLEWAY, ROAD SLABS, PRAM RAMP, ROAD HUMPS/RAMPS – BROOM/BRUSH.

3. REINFORCEMENT
A) TO AS 4671
B) MINIMUM COVER: 50MM

4. JOINTING, MINIMUM DIMENSIONS, AND REINFORCEMENT IN CONCRETE SLABS
A) ANY RECONSTRUCTED SECTION OF CONCRETE SHALL HAVE A MINIMUM DIMENSION OF 900MM IN ANY DIRECTION.
B) ALL JOINTS SHALL BE AT RIGHT ANGLES UNLESS DIRECTED OTHERWISE BY THE COUNCIL ENGINEER.
C) EXPANSION JOINTS (UNREINFORCED CONCRETE): 10MM APPROVED BITUMEN FILLER AT MAXIMUM 10M INTERVALS.
D) EXPANSION JOINTS (REINFORCED CONCRETE, IE DISH CROSSINGS & LAYBACKS): 10MM APPROVED BITUMEN FILLER, WITH, WHERE APPLICABLE, 12MM DIA DEFORMED HOT DIPPED GALVANISED DOWELS, 600MM LONG, AT 500MM CENTRES WITH UPVC SLEEVE AND LEG – MINIMUM 2 DOWELS/JOINT, WITH NO DOWEL CLOSER THAN 150MM TO A VERTICAL EDGE. 'CONNELLY' JOINTS OR EQUIVALENT MAY BE USED.
E) ALL DOWELS SHALL BE PERFECTLY ALIGNED IN PLAN VIEW AND IN ELEVATION, IE THE DOWELS SHALL NOT BE SPLAYED RELEVANT TO EACH OTHER.
F) ALL EXPANSION JOINT MATERIAL SHALL BE THE SAME THICKNESS OF THE CONCRETE AND BE IN ONE LENGTH & WIDTH.
G) AT ALL EXPANSION JOINTS, ANY 'SPILL' CONCRETE FROM THE PREVIOUS POUR (IE SEPARATE TO THE FINISHED CONCRETE) SHALL BE REMOVED.
H) CONTRACTION/DUMMY JOINTS (UNREINFORCED CONCRETE) – NOMINALLY AT 3M INTERVALS OR EQUALLY BETWEEN EXPANSION JOINTS BUT NOT LESS THAN THE CONCRETE WIDTH BETWEEN JOINTS/EDGES.

5. VEHICLE CROSSINGS
A) CONCRETE THICKNESS, AND OTHER DETAILS:
– RESIDENTIAL AND LIGHT COMMERCIAL – 150MM UNREINFORCED.
– INDUSTRIAL, HEAVY COMMERCIAL AND MULTI–DENSITY RESIDENTIAL – 200MM REINFORCED (SL72). LAYBACK IS INTEGRAL WITH CROSSING (DOWEL IF POURED SEPARATELY). 900MM WIDE WINGS MAY BE REQUIRED IN TIGHT SITUATIONS WHERE VERY LARGE VEHICLES ARE USED – AS APPROVED BY THE COUNCIL ENGINEER.
B) CONSTRUCT CROSSINGS PREFERABLY AT A STRAIGHT GRADE ACROSS THE FOOTPATH EXCEPT WHERE DIRECTED OTHERWISE BY THE COUNCIL ENGINEER (NOT OFTEN PRACTICAL AT RESIDENTIAL SITES).
C) RECONSTRUCT FOOTPATH EACH SIDE TO MATCH CROSSING MINIMUM 1m OR TO THE NEXT JOINT, WHICHEVER IS GREATER.
D) MATCH BOUNDARY LEVELS EXCEPT WHERE DIRECTED OTHERWISE BY THE COUNCIL ENGINEER.
E) WIDTH OF LAYBACK – ON ROADS WHICH HAVE A MARKED TRAFFICKED KERBSIDE LANE AND/OR NARROW ROAD PAVEMENT (EG NORTON ST ASHFIELD), MINIMUM LAYBACK LENGTH SHALL BE 4.5M PLUS WINGS.
F) ANGLED DRIVEWAYS MAY BE PERMITTED TO A MAXIMUM ANGLE OF 30 DEGREES FROM THE PROPERTY BOUNDARY TO THE KERB – AS APPROVED BY THE COUNCIL ENGINEER.

6. EXCAVATION
A) AT ALL JOINS TO EXISTING CONCRETE/ASPHALT – THE JOIN SHALL BE SAW CUT BEFORE EXCAVATION.
B) ALL EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT A LICENSED WASTE DISPOSAL FACILITY.

7. ROAD BASE
A) COMPACTION: 95% STANDARD.
B) RECYCLED DGB SPECIFICATION: FOR SUPPLY OF RECYCLED MATERIAL FOR PAVEMENTS, EARTHWORKS, AND DRAINAGE REFER TO SPECIFICATION FOR SUPPLY OF RECYCLED MATERIAL FOR PAVEMENTS, EARTHWORKS AND DRAINAGE' BY IPWEA (NSW) (LATEST EDITION).

8. RESTORATION OF ADJOINING ROAD PAVEMENT
A) SHALL MATCH EXISTING IF APPROVED BY COUNCIL ENGINEER OR BE CARRIED OUT WITH FULL DEPTH AC20 AND AC10, WITH THE SURFACE FINISH BEING WITH AC10 (MINIMUM THICKNESS 30MM).
B) AC SHALL CONFORM TO RMS SPECIFICATION R116 – 'ASPHALT (DENSE AND OPEN GRADED)'.

9. UTILITIES, SERVICES & SURVEY MARKS
A) ALL UNDERGROUND UTILITY SERVICES SHALL BE CHECKED FOR LEVEL AND LOCATION PRIOR TO COMMENCEMENT OF WORKS, BY THE CONTRACTOR.
B) ALL SERVICE COVERS AFFECTED BY THE WORKS SHALL BE ADJUSTED AS REQUIRED AND TO SUIT THE LEVELS OF THE NEW WORK. NO SERVICE FITTINGS SHALL BE COVERED.
C) PROPERTY STORMWATER PIPES: WHERE AFFECTED, SHALL BE REPLACED WITH 90MM UPVC OR TO SUIT EXISTING AND INVERT SHALL MATCH THE GUTTER LEVEL.
D) STATE SURVEY MARKS (SSM'S) – SHALL NOT BE DISTURBED UNLESS APPROVED BY THE COUNCIL ENGINEER.
E) AT ALL LIGHT/POWER POLES, THE CONCRETE SHALL BE ENDED 150MM CLEAR OF THE POLE AND THE GAP FILLED WITH 30MM OF 10MM COLDMIX/ASPHALTIC CONCRETE.

10. NATURE STRIP RESTORATION
A) MATCH EXISTING TURF.
B) IF NEW TURF IS SPECIFIED – USE SOFT LEAF BUFFALO 'SHADEMASTER', LAID ON 100MM THICK PREPARED TOPSOIL, AS SPECIFIED BY THE COUNCIL ENGINEER.

11. EXISTING SIGNAGE
A) SUCH SIGNAGE SHALL BE REINSTATED UNLESS THE COUNCIL ENGINEER ADVISES OTHERWISE.
B) SIGNS REPLACED OR NEW, WITHIN THE NEW CONCRETE SHALL BE INSTALLED WITH A V–LOK.
C) HERITAGE STREET NAME SIGNS EMBEDDED IN FOOTPATH PAVING AND KERBS – CAUTION SHALL BE EXERCISED TO NOT DAMAGE THESE SIGNS AND THE CONTRACTOR SHALL LIAISE WITH THE COUNCIL ENGINEER TO DETERMINE WHAT ACTION TO IMPLEMENT WHERE DISTURBANCE OF THE SIGN IS ESSENTIAL.

12. RESIDENT NOTIFICATION
A) ALL RESIDENTS AFFECTED BY THE WORKS SHALL BE NOTIFIED AT LEAST 2 WORKING DAYS BEFORE THE RELEVANT WORK COMMENCES AND ANY REASONABLE REQUESTS ACCOMMODATED.

13. SAFETY/SIGNAGE/ACCESS
A) DURING CONSTRUCTION, ADEQUATE WARNING SIGNS AND BARRICADING SHALL BE PROVIDED TO ENSURE THAT THE WORK SITE MEETS THE REQUIREMENTS OF AS 1742.2 & 1743.3, AND TO PROVIDE ADEQUATE PROTECTION TO PEDESTRIANS & MOTORISTS.
B) ADEQUATE AND SAFE ACCESS FOR PEDESTRIANS SHALL BE PROVIDED AT ALL TIMES.
C) AT DRIVEWAYS – PREVENTION OF ACCESS SHALL BE KEPT TO AN ABSOLUTE MINIMUM AND ARRANGEMENTS SHALL BE MADE WITH THE RESIDENT/BUSINESS, BY THE CONTRACTOR, FOR A SUITABLE DAY/TIME FOR THIS WORK. USE OF HIGHER STRENGTH CONCRETE, WITH SHORTER CURING TIME MAY BE NECESSARY.

14. DIMENSIONS
A) ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SHOWN OTHERWISE.

15. GENERAL
A) ALL WORKS SHALL BE CARRIED OUT TO COUNCIL'S SPECIFICATION, TO BEST PRACTICE STANDARDS, AND TO THE SATISFACTION OF COUNCIL'S SUPERVISING ENGINEER.
B) DURING AND AFTER EXCAVATION, ANY UNSOUND AREAS BELOW THE CONCRETE WORK SHALL BE DRAWN TO THE COUNCIL ENGINEER'S ATTENTION, TO ESTABLISH IF ANY ADDITIONAL EXCAVATION/ BASE COURSE IS NECESSARY.
C) THE WORK SITE SHALL BE KEPT IN A CLEAN, TIDY, AND SAFE CONDITION AT ALL TIMES AND TO THE SATISFACTION OF COUNCIL'S ENGINEER.

16. DOCUMENT PRIORITY
A) THIS PLAN SUPERSEDES ANY STATEMENTS ON OTHER DOCUMENTS, EG SPECIFICATIONS, OTHER PLANS, ETC, UNLESS ADVISED BY THE COUNCIL ENGINEER.

17. INSPECTIONS
INSPECTIONS BY THE COUNCIL SUPERVISING ENGINEER SHALL BE REQUIRED AT THE FOLLOWING STAGES AND AS OTHERWISE DIRECTED BY THE COUNCIL ENGINEER:–
A) EXCAVATION COMPLETED.
B) DGB LAID AND COMPACTED (IF APPLICABLE),
C) FORMWORK AND REINFORCEMENT SET.
D) CONCRETE POURED AND CURED.
E) COMPLETED.

CHECKED & APPROVED
APPROVED FOR CONSTRUCTION
SURVEYED & DRAFTED
DESIGNED PG/DJT MAY 2019
DRAWN PG/DJT MAY 2019
QUANTITIES
INNER WEST COUNCIL
SERVICES AFFECTED

NOTICES	DATE
S.R.A. / SURV. GEN.	
R.T.A.	
A.G.L. / SHELL PIPELINES	
SYDNEY WATER	
TELSTRA / OPTUS	
SYDNEY ELECTRICITY	
NOTICE OF ENTRY	
KERB & GUTTER	

SERVICES	
TELECOM/OPTUS	—T—T—T—T—
GAS	—G—G—G—G—
SEWER	—S—S—S—S—
WATER	—W—W—W—W—
RAILWAY	—R—R—R—R—
ELEC. CABLES	—E—E—E—E—
OIL PIPELINES	—P—P—P—P—
STORM WATER	—SW—SW—SW—

DATUM A. H. D.
SCALES AS SHOWN

AMEND	DATE	DESCRIPTION	APPROV.

INNER WEST COUNCIL
STANDARD ROADS DRAWING – R3
VEHICLE CROSSING & LAYBACK DETAILS

FILE NO.
SHEET NO.
PLAN NO. R3
VERSION V1

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	26-03-25

Bar Scales

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Client: CORONATION

Scales: NTS
Grid: GDA20 MGA56
Height Datum: AHD
Drawn: ASD
Designed: ASD
Checked:
Approved: AB
GDA2020

Project: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS CIVIL PACKAGE
Title: SITEWORKS DETAILS SHEET 3

Civil Engineers and Project Managers
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Level 7, 153 Walker Street
North Sydney
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ABN 96 130 882 405

Status: FOR CONSTRUCTION
Issue: A0
Project - Drawing No.: CI15-0-0-03
Issue: 1

100mm on Original

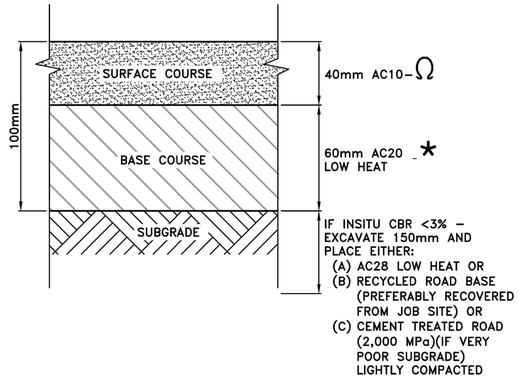
F:\24-1178 Precinct 75\6.0 Drgs\Civil\Final\1000 SERIES - MAIN WORKS\CI15-0-0-03.dwg

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

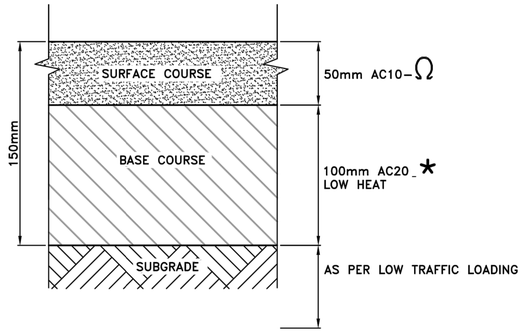
Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: SITEWORKS SH4		Drawing No: CI15-0-0-04		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388

TYPES OF HEAVY PATCHING FOR ROAD PAVEMENT

TYPE 100 HEAVY PATCH



TYPE 150 HEAVY PATCH



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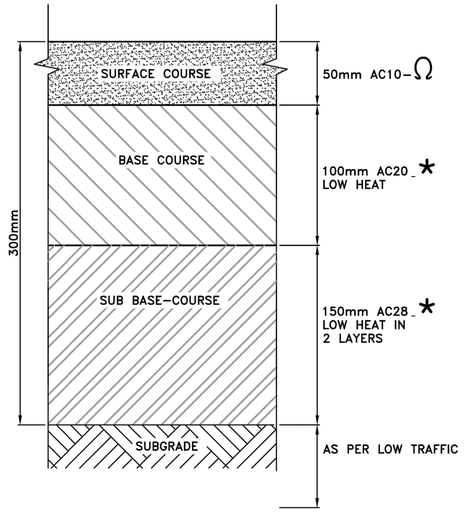

NOTE: FOR HEAVY PATCHING ON A REGIONAL ROAD:

A) WEARING COURSE
ALL TYPES: AC14 50mm

B) SUB–BASE
TYPE 100: AC20 50mm
ALL OTHER TYPES (i.e. TYPE 150 AND 300): AS SHOWN

VERY IMPORTANT:

Ω = ADD A15E MODIFIER FOR INCREASED STABILITY TO REDUCE RISK OF RUTTING AND SHOVING – ONLY APPLICABLE ON MEDIUM TO HEAVY TRAFFICKED ROADS AND PARTICULARLY AT TRAFFIC SIGNALS, STOP & GIVEWAY APPROACH LANES, ROUNDABOUTS, CHICANES AND EXIT LANES FROM SPEED HUMPS AND PLATFORMS.

* = MUST BE LAID WITH A GRADER (PREFERABLY) OR TRACKED LOADER OR BACKHOE (FOR HEAVY PATCHING ONLY) – NEVER WITH AN AC PAVING MACHINE (REGARDLESS IF WHEELED OR TRACKED) – OTHERWISE HIGH RISK OF SUBGRADE DAMAGE, INSTABILITY AND INTRUSION OF SUBGRADE INTO AC BASE COURSE DUE TO PAVING MACHINE AND EVEN MORE SO, THE LOADED AC TRUCK. THIS METHOD HAS BEEN PROVEN SINCE 1976.

NOTE: CAN BE REFINED BY TESTING

ROAD NOTES 4:

1. ASPHALT

A) DESIGN BASED ON A TYPICAL SYDNEY BASIN CLAY – CBR = 3% (4 DAY SOAKED)
B) ALL AC TO AS2150, AS2758.5, AS2008, AS2891 AND RMS QA SPECIFICATIONS R116, BUT ANY REQUIREMENTS/SPECIFICS ON THIS PLAN TAKE PRIORITY.
C) MUST USE RAP IN MIX – 10%–20%
D) BITUMEN CLASS: 320
E) IF TESTING – SHALL ASCERTAIN THE FOLLOWING: PROFILE & TYPE OF EXISTING PAVEMENT, SUBGRADE CBR (4 DAY SOAKED), SUBGRADE CBR INSITU (PENETROMETER), TRAFFIC LOADING OVER 20 YEARS AND DEFLECTION ANALYSIS OF EXISTING PAVEMENT (FALLING WEIGHT DEFLECTOMETER)
C) THESE TYPE OF PAVEMENTS ARE ECONOMICAL IN URBAN AREAS AND PARTICULARLY HIGH VOLUME TRAFFICKED ROADS, INTERSECTIONS, AND SHOPPING CENTRES AS VERY RAPID CONSTRUCTION, EGL EXCAVATION, BASE COURSE AND CORRECTION COURSE ON ONE DAY OR NIGHT (EITHER IN FULL ROAD OR HALF ROAD WIDTH). COMPARED TO CONVENTIONAL ROAD BASE PAVEMENTS – MASSIVE SAVINGS IN HAULAGE AND DISPOSAL COSTS OF EXCAVATED MATERIAL PLUS MUCH LOWER RISK OF ENCOUNTERING UTILITIES AND SERVICES

2. EXCAVATION

A) AT ALL JOINS TO EXISTING CONCRETE/ASPHALT – THE JOIN SHALL BE SAW CUT BEFORE EXCAVATION.
B) ALL EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT A LICENSED WASTE DISPOSAL FACILITY.

3. ROAD BASE

A) RMS SPECIFICATION FOR DGB AND CEMENT TREATED.
B) FOR RECYCLED ROAD BASE–REFER TO 'SPECIFICATION FOR SUPPLY OF RECYCLED MATERIAL FOR PAVEMENTS, EARTHWORKS AND DRAINAGE' BY IPWEA (NSW) 2010 OF LATEST EDITION.

4. UTILITIES, SERVICES & SURVEY MARKS

A) ALL UNDERGROUND UTILITY SERVICES SHALL BE CHECKED FOR LEVEL AND LOCATION PRIOR TO COMMENCEMENT OF WORKS, BY THE CONTRACTOR.
B) ALL SERVICE COVERS AFFECTED BY THE WORKS SHALL BE ADJUSTED AS REQUIRED AND TO SUIT THE LEVELS OF THE NEW WORK. NO SERVICE FITTINGS SHALL BE COVERED.
C) PROPERTY STORMWATER PIPES: WHERE AFFECTED, SHALL BE REPLACED WITH 90MM UPVC OR TO SUIT EXISTING AND INVERT SHALL MATCH THE GUTTER LEVEL.
D) STATE SURVEY MARKS (SSM'S) – SHALL NOT BE DISTURBED UNLESS APPROVED BY THE COUNCIL ENGINEER.

5. RESIDENT NOTIFICATION

A) ALL RESIDENTS AFFECTED BY THE WORKS SHALL BE NOTIFIED AT LEAST 2 WORKING DAYS BEFORE THE RELEVANT WORK COMMENCES AND ANY REASONABLE REQUESTS ACCOMMODATED.

6. SAFETY/SIGNAGE/ACCESS

A) DURING CONSTRUCTION, ADEQUATE WARNING SIGNS AND BARRICADING SHALL BE PROVIDED TO ENSURE THAT THE WORK SITE MEETS THE REQUIREMENTS OF AS 1742.2 & 1743.3, AND TO PROVIDE ADEQUATE PROTECTION TO PEDESTRIANS & MOTORISTS.
B) ADEQUATE AND SAFE ACCESS FOR PEDESTRIANS SHALL BE PROVIDED AT ALL TIMES.
C) AT DRIVEWAYS – PREVENTION OF ACCESS SHALL BE KEPT TO AN ABSOLUTE MINIMUM AND ARRANGEMENTS SHALL BE MADE WITH THE RESIDENT/BUSINESS, BY THE CONTRACTOR, FOR A SUITABLE DAY/TIME FOR THIS WORK.

7. DIMENSIONS

A) ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SHOWN OTHERWISE.

8. GENERAL

A) ALL WORKS SHALL BE CARRIED OUT TO COUNCIL'S SPECIFICATION, TO BEST PRACTICE STANDARDS, AND TO THE SATISFACTION OF COUNCIL'S SUPERVISING ENGINEER.
B) THE WORK SITE SHALL BE KEPT IN A CLEAN, TIDY, AND SAFE CONDITION AT ALL TIMES AND TO THE SATISFACTION OF COUNCIL'S ENGINEER.

9. DOCUMENT PRIORITY

A) THIS PLAN SUPERSEDES ANY STATEMENTS ON OTHER DOCUMENTS, EG SPECIFICATIONS, OTHER PLANS, ETC, UNLESS ADVISED BY THE COUNCIL ENGINEER.

10. INSPECTIONS

INSPECTIONS BY THE COUNCIL SUPERVISING ENGINEER SHALL BE REQUIRED AT THE FOLLOWING STAGES AND AS OTHERWISE DIRECTED BY THE COUNCIL ENGINEER:–

A) EXCAVATION COMPLETED
B) SUBGRADE COMPACTED, INCLUDING ANY IMPROVEMENT LAYER
C) SUB–BASE LAID AND COMPACTED
D) BASE–COURSE LAID AND COMPACTED
E) SURFACE LAID AND COMPACTED
F) COMPLETED.

(ORIGINAL = A3 SHEET)

CHECKED & APPROVED

APPROVED FOR CONSTRUCTION

SURVEYED & DRAFTED

DESIGNED PG/DJT MAY 2019

DRAWN PG/DJT MAY 2019

QUANTITIES

INNER WEST COUNCIL

SERVICES AFFECTED

NOTICES	DATE
S.R.A. / SURV. GEN.	
R.T.A.	
A.G.L. / SHELL PIPELINES	
SYDNEY WATER	
TELSTRA / OPTUS	
SYDNEY ELECTRICITY	
NOTICE OF ENTRY	
KERB & GUTTER	

SERVICES
TELECOM/OPTUS —T—T—T—T—
GAS —G—G—G—G—
SEWER —S—S—S—S—
WATER —W—W—W—W—
RAILWAY —R—R—R—R—
ELEC. CABLES —E—E—E—E—
OIL PIPELINES —P—P—P—P—
STORM WATER —SW—SW—SW—

DATUM A. H. D.

SCALES NTS

AMEND	DATE	DESCRIPTION	APPROV.

INNER WEST COUNCIL

STANDARD ROAD DRAWING – R7

ASPHALTIC CONCRETE ROAD HEAVY PATCHING

FILE NO.

SHEET NO.

PLAN NO. R7

VERSION V1

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	26-03-25

100mm on Original

Bar Scales

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Client: CORONATION

Scales: NTS
Grid: GDA20 MGA56
Height Datum: AHD
Drawn: ASD
Designed: ASD
Checked:
Approved: AB

GDA2020

Project: PRECINCT 75
ST PETERS, NSW 2044
MAIN WORKS
CIVIL PACKAGE

Title: SITEWORKS
DETAILS
SHEET 4

Civil Engineers and Project Managers
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ABN 96 130 882 405

Status: FOR CONSTRUCTION — A0

Project - Drawing No. CI15-0-0-04 — Issue 1

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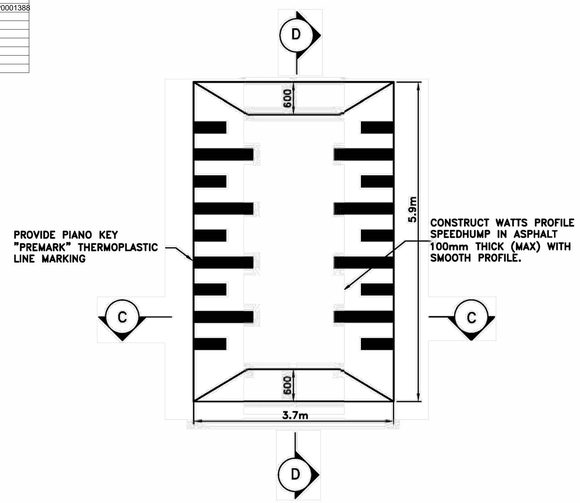
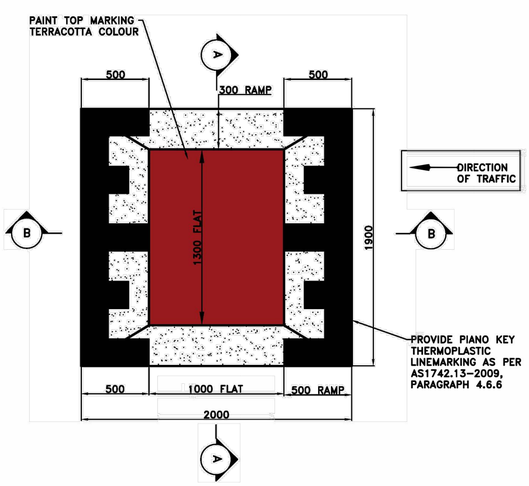
Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: SITEWORKS SHS		Drawing No: CI15-0-0-05		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388

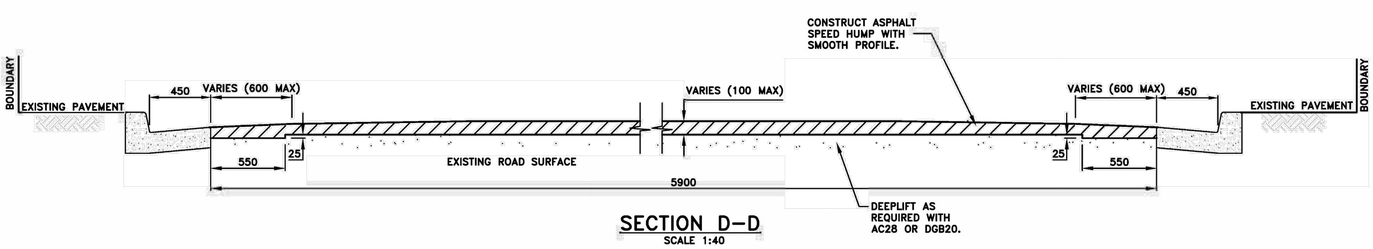


DETAIL 1
WATTS PROFILE THRESHOLD
SCALE 1:50

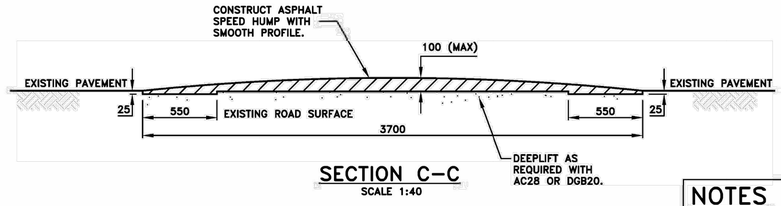
NOTE
SPEED CUSHION TO BE CENTERED IN THE MIDDLE OF TRAFFIC LANE



RAISED ASPHALT SPEED CUSHION
SCALE 1:100

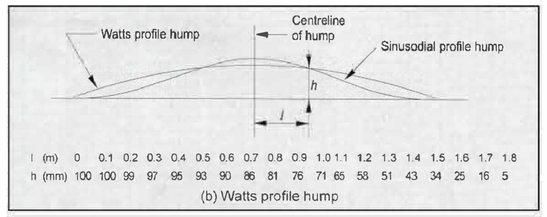


SECTION D–D
SCALE 1:40



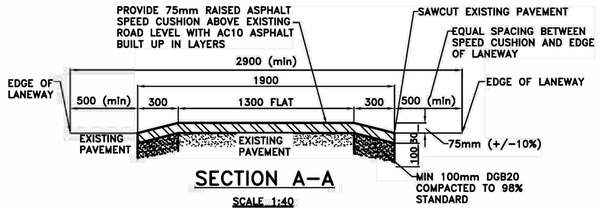
SECTION C–C
SCALE 1:40

NOTES
INSTALL BARRIERS/FENCE ALONG THE FOOTPATH IN ACCORDANCE WITH RMS GUIDELINES



(b) Watts profile hump

TABLE 1: WATTS PROFILE CROSS–SECTION HEIGHTS
(ABOVE EXISTING ROAD SURFACE)



SECTION A–A
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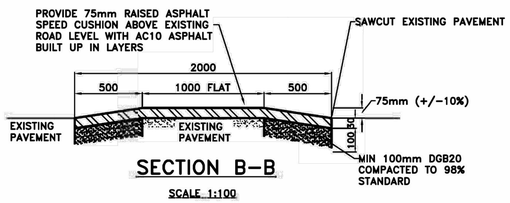

SECTION B–B
SCALE 1:100

TRAFFIC NOTES 2:

1. ASPHALT
- A) ALL AC TO AS 2357, AS2758.5, AS2008, AS2734, AS2891, AND RMS QA SPECIFICATIONS R116, BUT ANY REQUIREMENTS/SPECIFICS ON THIS PLAN TAKE PRIORITY.
- B) BITUMEN CLASS: 320

2. EXCAVATION
- A) AT ALL JOINS TO EXISTING CONCRETE/ASPHALT – THE JOIN SHALL BE SAW CUT BEFORE EXCAVATION.
- B) ALL EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT A LICENSED WASTE DISPOSAL FACILITY.

3. UTILITIES, SERVICES & SURVEY MARKS
- A) ALL UNDERGROUND UTILITY SERVICES SHALL BE CHECKED FOR LEVEL AND LOCATION PRIOR TO COMMENCEMENT OF WORKS, BY THE CONTRACTOR.
- B) ALL SERVICE COVERS AFFECTED BY THE WORKS SHALL BE ADJUSTED AS REQUIRED AND TO SUIT THE LEVELS OF THE NEW WORK. NO SERVICE FITTINGS SHALL BE COVERED.
- C) PROPERTY STORMWATER PIPES: WHERE AFFECTED, SHALL BE REPLACED WITH 90MM UPVC OR TO SUIT EXISTING AND INVERT SHALL MATCH THE GUTTER LEVEL.
- D) STATE SURVEY MARKS (SSM'S) – SHALL NOT BE DISTURBED UNLESS APPROVED BY THE COUNCIL ENGINEER.
- E) AT ALL LIGHT/POWER POLES, THE CONCRETE SHALL BE ENDED 150MM CLEAR OF THE POLE AND THE GAP FILLED WITH 30MM OF 10MM COLDMIX/ASPHALTIC CONCRETE.

4. RESIDENT NOTIFICATION
- A) ALL RESIDENTS AFFECTED BY THE WORKS SHALL BE NOTIFIED AT LEAST 2 WORKING DAYS BEFORE THE RELEVANT WORK COMMENCES AND ANY REASONABLE REQUESTS ACCOMMODATED.

5. SAFETY/SIGNAGE/ACCESS
- A) DURING CONSTRUCTION, ADEQUATE WARNING SIGNS AND BARRICADING SHALL BE PROVIDED TO ENSURE THAT THE WORK SITE MEETS THE REQUIREMENTS OF AS 1742.2 & 1743.3, AND TO PROVIDE ADEQUATE PROTECTION TO PEDESTRIANS & MOTORISTS.
- B) ADEQUATE AND SAFE ACCESS FOR PEDESTRIANS SHALL BE PROVIDED AT ALL TIMES.
- C) AT DRIVEWAYS – PREVENTION OF ACCESS SHALL BE KEPT TO AN ABSOLUTE MINIMUM AND ARRANGEMENTS SHALL BE MADE WITH THE RESIDENT/BUSINESS, BY THE CONTRACTOR, FOR A SUITABLE DAY/TIME FOR THIS WORK. USE OF HIGHER STRENGTH CONCRETE, WITH SHORTER CURING TIME MAY BE NECESSARY.

6. DIMENSIONS
- A) ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SHOWN OTHERWISE.

7. GENERAL
- A) ALL WORKS SHALL BE CARRIED OUT TO COUNCIL'S SPECIFICATION, TO BEST PRACTICE STANDARDS, AND TO THE SATISFACTION OF COUNCIL'S SUPERVISING ENGINEER.
- B) THE WORK SITE SHALL BE KEPT IN A CLEAN, TIDY, AND SAFE CONDITION AT ALL TIMES AND TO THE SATISFACTION OF COUNCIL'S ENGINEER.

8. DOCUMENT PRIORITY
- A) THIS PLAN SUPERSEDES ANY STATEMENTS ON OTHER DOCUMENTS, EG SPECIFICATIONS, OTHER PLANS, ETC, UNLESS ADVISED BY THE COUNCIL ENGINEER.

9. INSPECTIONS

INSPECTIONS BY THE COUNCIL SUPERVISING ENGINEER SHALL BE REQUIRED AT THE FOLLOWING STAGES AND AS OTHERWISE DIRECTED BY THE COUNCIL ENGINEER:–
- A) EXCAVATION COMPLETED.
- B) PROFILE ESTABLISHED.
- C) COMPLETED.

(ORIGINAL = A3 SHEET)

CHECKED & APPROVED	SURVEYED & DRAFTED	QUANTITIES	SERVICES AFFECTED	S.R.A. / SURV. GEN.		SERVICES	DATUM		INNER WEST COUNCIL
APPROVED FOR CONSTRUCTION	DESIGNED PG/DJT MAY 2019	INNER WEST COUNCIL		R.T.A.		TELECOM/OPTUS —T—T—T—T—	A. H. D.		STANDARD TRAFFIC DRAWING – T2
	DRAWN PG/DJT MAY 2019			A.G.L. / SHELL PIPELINES		GAS —G—G—G—G—	SCALES		WATTS PROFILE & ASPHALT SPEED CUSHION
				SYDNEY WATER		SEWER —S—S—S—S—	AS SHOWN		
				TELSTRA / OPTUS		WATER —W—W—W—W—			
				SYDNEY ELECTRICITY		RAILWAY —R—R—R—R—			
				NOTICE OF ENTRY		ELEC. CABLES —E—E—E—E—			
				KERB & GUTTER		OIL PIPELINES —P—P—P—P—			
				NOTICES	DATE	STORM WATER —SW—SW—SW—	AMEND DATE DESCRIPTION APPROV.		

FILE NO.	SHEET NO.
PLAN NO.	T2
VERSION	V1

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	26-03-25

100mm on Original

Bar Scales

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Client: CORONATION

Scales	NTS	Drawn	ASD
		Designed	ASD
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS CIVIL PACKAGE

Title: SITEWORKS DETAILS SHEET 5

Civil Engineers and Project Managers
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Level 7, 153 Walker Street
North Sydney
NSW 2060
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www.atl.net.au
ABN 96 130 882 405

Status	FOR CONSTRUCTION	A0
Project - Drawing No.	CI15-0-0-05	Issue 1

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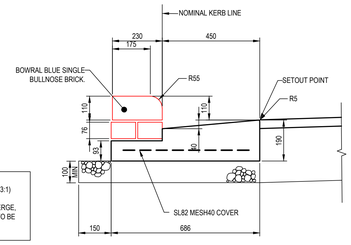
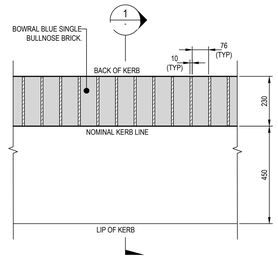
Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: SITEWORKS SH6		Drawing No: CI15-0-0-06		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388



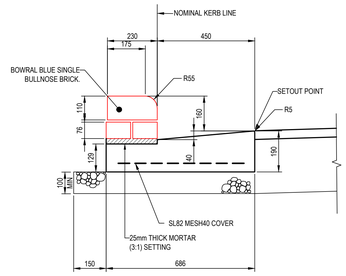
SECTION 1
SCALE 1:10



PLAN
SCALE 1:10

NOTE:
- STANDARD THICKNESS OF BRICK MORTAR IS 10mm (3:1) SETTING (U.N.O).
- WHERE CONCRETE FOOTPATH IS FULL WIDTH OF VERGE, 10mm THICK BITUMEN IMPREGNATED FIBREBOARD TO BE PROVIDED BETWEEN BACK OF KERB AND EDGE OF FOOTPATH.

BULLNOSE BRICK KERB AND GUTTER (BK&G)



SECTION 1
SCALE 1:10

200mm HIGH BULLNOSE BRICK KERB AND GUTTER (BK&G)

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	26-03-25

100mm on Original

Bar Scales

0 100 200 400 600 800 1000mm

1 : 10 @ A1 1 : 20 @ A3

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Client: CORONATION

Scales	1:10
Grid	GDA20 MGA56
Height Datum	AHD
Drawn	ASD
Designed	ASD
Checked	
Approved	AB

GDA2020

Project: PRECINCT 75
ST PETERS, NSW 2044
MAIN WORKS
CIVIL PACKAGE

Title: SITEWORKS
DETAILS
SHEET 6

Civil Engineers and Project Managers
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Level 7, 153 Walker Street
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ABN 96 130 882 405

Status: FOR CONSTRUCTION

A0

Project - Drawing No.: CI15-0-0-06

Issue: 1

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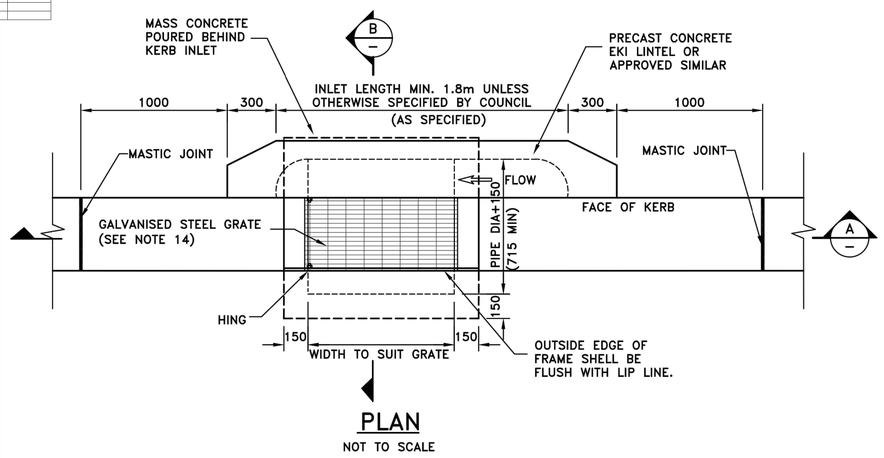
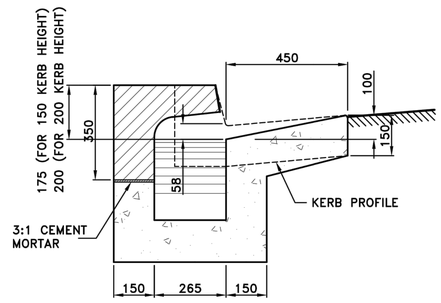
Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: SW DETAILS SH1		Drawing No: CI20-0-0-01		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388

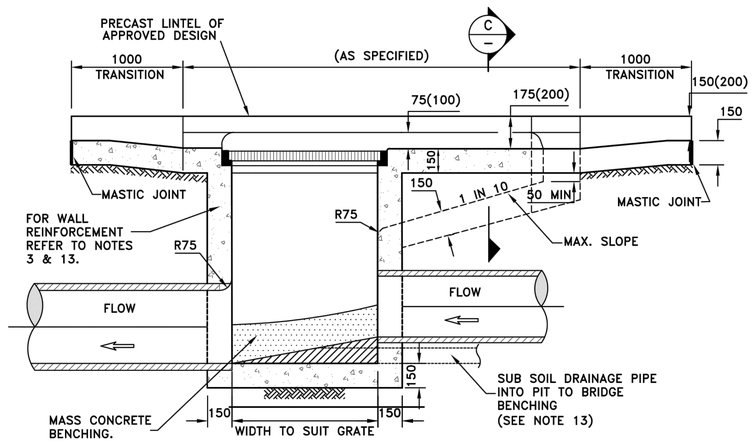


PLAN
NOT TO SCALE



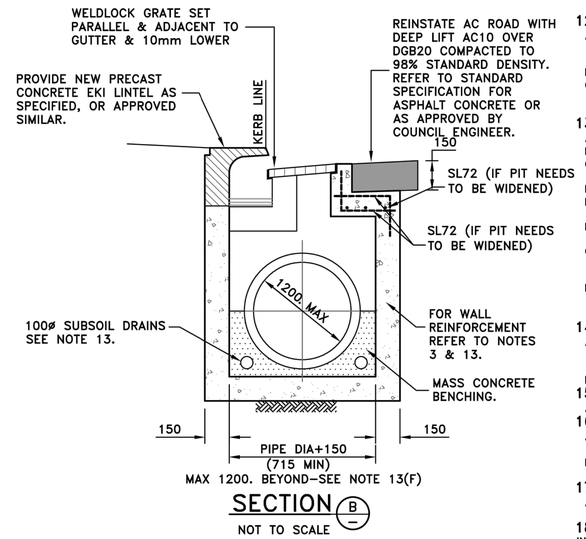
SECTION C
SCALE 1:20

NOTE:
BONDEK SLAB (OR APPROVED SIMILAR) CAN BE USED IF APPROVED BY COUNCIL ENGINEER AND IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.



SECTION A
NOT TO SCALE

NOTE: PLAN BASED ON 150 KERB
(FIGURES IN BRACKETS – 200 KERB)



SECTION B
NOT TO SCALE

DRAINAGE NOTES 1:

1. CONCRETE STRENGTH
- A) KERB, KERB & GUTTER, FOOTPATH, CYCLEWAY, VEHICLE CROSSING, PRAM RAMP, EDGE STRIP: 25MPA @ 28 DAYS
- B) DISH CROSSING, ROAD PLATFORM/HUMP, ROAD SLAB: 40MPA @ 28 DAYS
- C) PIT: 25MPA @ 28 DAYS
- D) FOR TRAFFICKED AREAS WHERE FACILITY MUST BE OPEN TO TRAFFIC WITHIN 12 HOURS (EG VEHICLE CROSSING, ROAD SLAB, DISH CROSSING, ROAD PLATFORM/HUMP: 40 MPA WITH ACCELERATOR SUCH AS 2% CACL (REFER TO SP40HC).

2. CONCRETE FINISH
- A) KERB, GUTTER, LAYBACK, DISH CROSSING, PIT (OUTER EXPOSED) – STEEL TROWEL
- B) VEHICLE CROSSINGS, FOOTPATH, CYCLEWAY, ROAD SLABS, PRAM RAMP, ROAD HUMPS/RAMPS – BROOM/BRUSH.
- C) PIT (INTERNAL): WOOD FLOAT.
- D) ALL GAPS AND SPACES IN THE CONCRETE SHELL BE RENDERED SMOOTH. A.G. GAPS AROUND ALL PIPES, UNDER GRATES/LIDS AND LINTELS AND BETWEEN CONCRETE POURS.

3. REINFORCEMENT
- A) TO AS 4671
- B) MINIMUM COVER: 50MM

4. EXCAVATION
- A) AT ALL JOINS TO EXISTING CONCRETE/ASPHALT – THE JOIN SHALL BE SAW CUT BEFORE EXCAVATION.
- B) ALL EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT A LICENSED WASTE DISPOSAL FACILITY.

5. ROAD BASE
- A) COMPACTION: 95% STANDARD.
- B) RECYCLED DGB SPECIFICATION: FOR SUPPLY OF RECYCLED MATERIAL FOR PAVEMENTS, EARTHWORKS, AND DRAINAGE REFER TO SPECIFICATION FOR SUPPLY OF RECYCLED MATERIAL FOR PAVEMENTS, EARTHWORKS AND DRAINAGE' BY IPWEA (NSW) (LATEST EDITION).

6. RESTORATION OF ADJOINING ROAD PAVEMENT AND EXCAVATION BACKFILL
- A) SEE STANDARD PLAN D7.

7. UTILITIES, SERVICES & SURVEY MARKS
- A) ALL UNDERGROUND UTILITY SERVICES SHALL BE CHECKED FOR LEVEL AND LOCATION PRIOR TO COMMENCEMENT OF WORKS, BY THE CONTRACTOR.
- B) ALL SERVICE COVERS AFFECTED BY THE WORKS SHALL BE ADJUSTED AS REQUIRED AND TO SUIT THE LEVELS OF THE NEW WORK. NO SERVICE FITTINGS SHALL BE COVERED.
- C) PROPERTY STORMWATER PIPES: WHERE AFFECTED, SHALL BE REPLACED WITH 90MM UPVC OR TO SUIT EXISTING AND INVERT SHALL MATCH THE GUTTER LEVEL.
- D) STATE SURVEY MARKS (SSM'S) – SHALL NOT BE DISTURBED UNLESS APPROVED BY THE COUNCIL ENGINEER.
- E) AT ALL LIGHT/POWER POLES, THE CONCRETE SHALL BE ENDED 150MM CLEAR OF THE POLE AND THE GAP FILLED WITH 30MM OF 10MM COLDMIX/ASPHALTIC CONCRETE.

8. NATURE STRIP RESTORATION
- A) MATCH EXISTING TURF.
- B) IF NEW TURF IS SPECIFIED – USE SOFT LEAF BUFFALO 'SHADEMASTER', LAID ON 100MM THICK PREPARED TOPSOIL, AS SPECIFIED BY THE COUNCIL ENGINEER.

9. EXISTING SIGNAGE
- A) SUCH SIGNAGE SHALL BE REINSTATED UNLESS THE COUNCIL ENGINEER ADVISES OTHERWISE.
- B) SIGNS REPLACED OR NEW, WITHIN THE NEW CONCRETE SHALL BE INSTALLED WITH A V–LOK.
- C) HERITAGE STREET NAME SIGNS EMBEDDED IN FOOTPATH PAVING AND KERBS – CAUTION SHALL BE EXERCISED TO NOT DAMAGE THESE SIGNS AND THE CONTRACTOR SHALL LIAISE WITH THE COUNCIL ENGINEER TO DETERMINE WHAT ACTION TO IMPLEMENT WHERE DISTURBANCE OF THE SIGN IS ESSENTIAL.

10. ASPHALTIC CONCRETE
- A) SHALL CONFORM TO RMS SPECIFICATION R116 – 'ASPHALT (DENSE AND OPEN GRADED)'.

11. RESIDENT NOTIFICATION
- A) ALL RESIDENTS AFFECTED BY THE WORKS SHALL BE NOTIFIED AT LEAST 2 WORKING DAYS BEFORE THE RELEVANT WORK COMMENCES AND ANY REASONABLE REQUESTS ACCOMMODATED.

12. SAFETY/SIGNAGE/ACCESS
- A) DURING CONSTRUCTION, ADEQUATE WARNING SIGNS AND BARRICADING SHALL BE PROVIDED TO ENSURE THAT THE WORK SITE MEETS THE REQUIREMENTS OF AS 1742.2 & 1743.3, AND TO PROVIDE ADEQUATE PROTECTION TO PEDESTRIANS & MOTORISTS.
- B) ADEQUATE AND SAFE ACCESS FOR PEDESTRIANS SHALL BE PROVIDED AT ALL TIMES.
- C) AT DRIVEWAYS – PREVENTION OF ACCESS SHALL BE KEPT TO AN ABSOLUTE MINIMUM AND ARRANGEMENTS SHALL BE MADE WITH THE RESIDENT/BUSINESS, BY THE CONTRACTOR, FOR A SUITABLE DAY/TIME FOR THIS WORK. USE OF HIGHER STRENGTH CONCRETE, WITH SHORTER CURING TIME MAY BE NECESSARY.

13. PIT DETAILS
- A) PROVIDE STEP IRONS WHERE PIT IS DEEPER THAN 1.0M – REFER TO STANDARD PLAN D6.
- B) TOP OF BENCHING SHALL BE HALF OF OUTLET PIPE DIAMETER.
- C) 100MM DIA CORRUGATED SUBSOIL PIPE, 3M LONG, WRAPPED IN FILTER FABRIC, SHALL BE PROVIDED AT THE INVERT LEVEL ON BOTH SIDES OF EVERY INLET PIPE.
- D) WHERE POSSIBLE, LOCATE LINTELS CENTRALLY IN SAG POINTS.
- E) APPROVED PRECAST CONCRETE PITS (PART OR TOTAL) MAY BE USED IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
- F) WHERE THE EXTENDED CHAMBER WIDTH EXCEEDS 1.2M, PIT REINFORCEMENT SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER.
- G) FOR PIT DEPTHS LESS THAN 1.5M, NO REINFORCEMENT IS REQUIRED. FOR PIT DEPTHS BETWEEN 1.5M AND 3.0M,PROVIDE SL72 AT 50MM COVER TO INSIDE FACE WALLS AND BASE. PROVIDE 400MM LAP AT CORNERS. FOR PIT DEPTHS GREATER THAN 3.0, DESIGN IS REQUIRED BY A PROFESSIONAL ENGINEER.
- H) FOR JUNCTION AND SURCHARGE PITS, THE MINIMUM INTERNAL DIMENSIONS SHALL BE:
  (I) DEPTH LESS THAN 1800MM – 900X900MM UNLESS OTHERWISE APPROVED BY COUNCIL.
  (II) DEPTH GREATER THAN 1800MM – REFER TO STANDARD PLAN D3.

14. STORMWATER PIT GRATES
- A) SHALL BE WELDLOK HINGED HOT DIPPED GALVANISED GG78–50 (OR APPROVED EQUIVALENT), SET PARALLEL TO GUTTER, AND WITH LOCKING CLIP. FOR INDUSTRIAL ROADS AND WHERE DIRECTED BY THE COUNCIL ENGINEER, USE WELDLOK HINGED HOT DIPPED GALVANISED GG78–42A (OR APPROVED EQUIVALENT).
- B) THE GRATE WHEN OPEN SHALL CLEAR THE LINTEL/KERB.

15. DIMENSIONS
- A) ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SHOWN OTHERWISE.

16. GENERAL
- A) ALL WORKS SHALL BE CARRIED OUT TO COUNCIL'S SPECIFICATION, TO BEST PRACTICE STANDARDS, AND TO THE SATISFACTION OF COUNCIL'S SUPERVISING ENGINEER.
- B) THE WORK SITE SHALL BE KEPT IN A CLEAN, TIDY, AND SAFE CONDITION AT ALL TIMES AND TO THE SATISFACTION OF COUNCIL'S ENGINEER.

17. DOCUMENT PRIORITY
- A) THIS PLAN SUPERSEDES ANY STATEMENTS ON OTHER DOCUMENTS, EG SPECIFICATIONS, OTHER PLANS, ETC, UNLESS ADVISED BY THE COUNCIL ENGINEER.

18. INSPECTIONS

INSPECTIONS BY THE COUNCIL SUPERVISING ENGINEER SHALL BE REQUIRED AT THE FOLLOWING STAGES AND AS OTHERWISE DIRECTED BY THE COUNCIL ENGINEER:–
- A) EXCAVATION COMPLETED.
- B) PITS FORMED
- C) BASE AND WALLS OF PITS POURED.
- D) LINTELS AND GRATES PLACES AND FORMWORK IN PLACE.
- E) TOTALLY COMPLETED.

(ORIGINAL = A3 SHEET)

CHECKED & APPROVED	SURVEYED & DRAFTED	QUANTITIES	SERVICES AFFECTED	S.R.A. / SURV. GEN.		SERVICES		DATUM			INNER WEST COUNCIL	FILE NO.	SHEET NO.
				R.T.A.		TELECOM/OPTUS —T—T—T—T—		A. H. D.			STANDARD DRAINAGE DRAWING – D1	PLAN NO.	
APPROVED FOR CONSTRUCTION	DESIGNED PG/DJT MAY 2019	INNER WEST COUNCIL		A.G.L. / SHELL PIPELINES		GAS —G—G—G—G—		SCALES			GRATED GULLY PIT WITH EXTENDED EKI	D1	
	DRAWN PG/DJT MAY 2019			SYDNEY WATER		SEWER —S—S—S—S—		NTS				VERSION V1	
				TELSTRA / OPTUS		WATER —W—W—W—W—							
				SYDNEY ELECTRICITY		RAILWAY —R—R—R—R—							
				NOTICE OF ENTRY		ELEC. CABLES —E—E—E—E—							
				KERB & GUTTER		OIL PIPELINES —P—P—P—P—							
				NOTICES	DATE	STORM WATER —SW—SW—SW—			AMEND	DATE	DESCRIPTION	APPROV.	

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	26-03-25

100mm on Original

Bar Scales

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Client: CORONATION

Scales	NTS	Drawn	ASD
		Designed	ASD
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS CIVIL PACKAGE

Title: STORMWATER DRAINAGE DETAILS SHEET 1

Civil Engineers and Project Managers
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Level 7, 153 Walker Street
North Sydney
NSW 2060
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www.atl.net.au
ABN 96 130 882 405

Status: FOR CONSTRUCTION | A0

Project - Drawing No.: CI20-0-0-01 | Issue: 1

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

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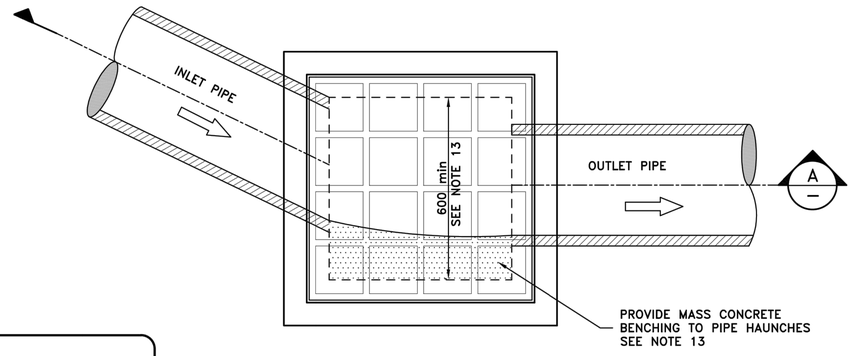
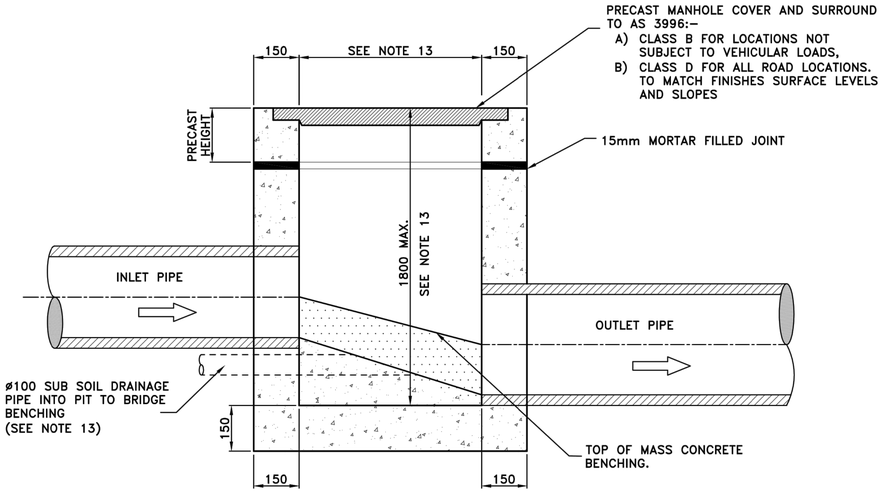
Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: SW DETAILS SH2		Drawing No: CI20-0-0-02		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388



PLAN

NOTE:
PIT COVER LID WILL BE 600x900 UNLESS OTHERWISE APPROVED BY COUNCIL



SECTION A

(ORIGINAL = A3 SHEET)

DRAINAGE NOTES 1:

1. CONCRETE STRENGTH
- A) KERB, KERB & GUTTER, FOOTPATH, CYCLEWAY, VEHICLE CROSSING, PRAM RAMP, EDGE STRIP: 25MPA @ 28 DAYS
- B) DISH CROSSING, ROAD PLATFORM/HUMP, ROAD SLAB: 40MPA @ 28 DAYS
- C) PIT: 25MPA @ 28 DAYS
- D) FOR TRAFFICKED AREAS WHERE FACILITY MUST BE OPEN TO TRAFFIC WITHIN 12 HOURS (EG VEHICLE CROSSING, ROAD SLAB, DISH CROSSING, ROAD PLATFORM/HUMP: 40 MPA WITH ACCELERATOR SUCH AS 2% CACL (REFER TO SP40HC).

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- A) KERB, GUTTER, LAYBACK, DISH CROSSING, PIT (OUTER EXPOSED) – STEEL TROWEL
- B) VEHICLE CROSSINGS, FOOTPATH, CYCLEWAY, ROAD SLABS, PRAM RAMP, ROAD HUMPS/RAMPS – BROOM/BRUSH.
- C) PIT (INTERNAL): WOOD FLOAT.
- D) ALL GAPS AND SPACES IN THE CONCRETE SHELL BE RENDERED SMOOTH. A.G. GAPS AROUND ALL PIPES, UNDER GRATES/LIDS AND LINTELS AND BETWEEN CONCRETE POURS.

3. REINFORCEMENT
- A) TO AS 4671
- B) MINIMUM COVER: 50MM

4. EXCAVATION
- A) AT ALL JOINS TO EXISTING CONCRETE/ASPHALT – THE JOIN SHALL BE SAW CUT BEFORE EXCAVATION.
- B) ALL EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT A LICENSED WASTE DISPOSAL FACILITY.

5. ROAD BASE
- A) COMPACTION: 95% STANDARD.
- B) RECYCLED DGB SPECIFICATION: FOR SUPPLY OF RECYCLED MATERIAL FOR PAVEMENTS, EARTHWORKS, AND DRAINAGE REFER TO SPECIFICATION FOR SUPPLY OF RECYCLED MATERIAL FOR PAVEMENTS, EARTHWORKS AND DRAINAGE' BY IPWEA (NSW) (LATEST EDITION).

6. RESTORATION OF ADJOINING ROAD PAVEMENT AND EXCAVATION BACKFILL
- A) SEE STANDARD PLAN D7.

7. UTILITIES, SERVICES & SURVEY MARKS
- A) ALL UNDERGROUND UTILITY SERVICES SHALL BE CHECKED FOR LEVEL AND LOCATION PRIOR TO COMMENCEMENT OF WORKS, BY THE CONTRACTOR.
- B) ALL SERVICE COVERS AFFECTED BY THE WORKS SHALL BE ADJUSTED AS REQUIRED AND TO SUIT THE LEVELS OF THE NEW WORK. NO SERVICE FITTINGS SHALL BE COVERED.
- C) PROPERTY STORMWATER PIPES: WHERE AFFECTED, SHALL BE REPLACED WITH 90MM UPVC OR TO SUIT EXISTING AND INVERT SHALL MATCH THE GUTTER LEVEL.
- D) STATE SURVEY MARKS (SSM'S) – SHALL NOT BE DISTURBED UNLESS APPROVED BY THE COUNCIL ENGINEER.
- E) AT ALL LIGHT/POWER POLES, THE CONCRETE SHALL BE ENDED 150MM CLEAR OF THE POLE AND THE GAP FILLED WITH 30MM OF 10MM COLDMIX/ASPHALTIC CONCRETE.

8. NATURE STRIP RESTORATION
- A) MATCH EXISTING TURF.
- B) IF NEW TURF IS SPECIFIED – USE SOFT LEAF BUFFALO 'SHADEMASTER', LAID ON 100MM THICK PREPARED TOPSOIL, AS SPECIFIED BY THE COUNCIL ENGINEER.

9. EXISTING SIGNAGE
- A) SUCH SIGNAGE SHALL BE REINSTATED UNLESS THE COUNCIL ENGINEER ADVISES OTHERWISE.
- B) SIGNS REPLACED OR NEW, WITHIN THE NEW CONCRETE SHALL BE INSTALLED WITH A V-LOK.
- C) HERITAGE STREET NAME SIGNS EMBEDDED IN FOOTPATH PAVING AND KERBS – CAUTION SHALL BE EXERCISED TO NOT DAMAGE THESE SIGNS AND THE CONTRACTOR SHALL LIAISE WITH THE COUNCIL ENGINEER TO DETERMINE WHAT ACTION TO IMPLEMENT WHERE DISTURBANCE OF THE SIGN IS ESSENTIAL.

10. ASPHALTIC CONCRETE
- A) SHALL CONFORM TO RMS SPECIFICATION R116 – 'ASPHALT (DENSE AND OPEN GRADED)'.

11. RESIDENT NOTIFICATION
- A) ALL RESIDENTS AFFECTED BY THE WORKS SHALL BE NOTIFIED AT LEAST 2 WORKING DAYS BEFORE THE RELEVANT WORK COMMENCES AND ANY REASONABLE REQUESTS ACCOMMODATED.

12. SAFETY/SIGNAGE/ACCESS
- A) DURING CONSTRUCTION, ADEQUATE WARNING SIGNS AND BARRICADING SHALL BE PROVIDED TO ENSURE THAT THE WORK SITE MEETS THE REQUIREMENTS OF AS 1742.2 & 1743.3, AND TO PROVIDE ADEQUATE PROTECTION TO PEDESTRIANS & MOTORISTS.
- B) ADEQUATE AND SAFE ACCESS FOR PEDESTRIANS SHALL BE PROVIDED AT ALL TIMES.
- C) AT DRIVEWAYS – PREVENTION OF ACCESS SHALL BE KEPT TO AN ABSOLUTE MINIMUM AND ARRANGEMENTS SHALL BE MADE WITH THE RESIDENT/BUSINESS, BY THE CONTRACTOR, FOR A SUITABLE DAY/TIME FOR THIS WORK. USE OF HIGHER STRENGTH CONCRETE, WITH SHORTER CURING TIME MAY BE NECESSARY.

13. PIT DETAILS
- A) PROVIDE STEP IRONS WHERE PIT IS DEEPER THAN 1.0M – REFER TO STANDARD PLAN D6.
- B) TOP OF BENCHING SHALL BE HALF OF OUTLET PIPE DIAMETER.
- C) 100MM DIA CORRUGATED SUBSOIL PIPE, 3M LONG, WRAPPED IN FILTER FABRIC, SHALL BE PROVIDED AT THE INVERT LEVEL ON BOTH SIDES OF EVERY INLET PIPE.
- D) WHERE POSSIBLE, LOCATE LINTELS CENTRALLY IN SAG POINTS.
- E) APPROVED PRECAST CONCRETE PITS (PART OR TOTAL) MAY BE USED IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
- F) WHERE THE EXTENDED CHAMBER WIDTH EXCEEDS 1.2M, PIT REINFORCEMENT SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER.
- G) FOR PIT DEPTHS LESS THAN 1.5M, NO REINFORCEMENT IS REQUIRED. FOR PIT DEPTHS BETWEEN 1.5M AND 3.0M,PROVIDE SL72 AT 50MM COVER TO INSIDE FACE WALLS AND BASE. PROVIDE 400MM LAP AT CORNERS. FOR PIT DEPTHS GREATER THAN 3.0, DESIGN IS REQUIRED BY A PROFESSIONAL ENGINEER.
- H) FOR JUNCTION AND SURCHARGE PITS, THE MINIMUM INTERNAL DIMENSIONS SHALL BE:
  (I) DEPTH LESS THAN 1800MM – 900X900MM UNLESS OTHERWISE APPROVED BY COUNCIL.
  (II) DEPTH GREATER THAN 1800MM – REFER TO STANDARD PLAN D3.

14. STORMWATER PIT GRATES
- A) SHALL BE WELDLOK HINGED HOT DIPPED GALVANISED GG78–50 (OR APPROVED EQUIVALENT), SET PARALLEL TO GUTTER, AND WITH LOCKING CLIP. FOR INDUSTRIAL ROADS AND WHERE DIRECTED BY THE COUNCIL ENGINEER, USE WELDLOK HINGED HOT DIPPED GALVANISED GG78–42A (OR APPROVED EQUIVALENT).
- B) THE GRATE WHEN OPEN SHALL CLEAR THE LINTEL/KERB.

15. DIMENSIONS
- A) ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SHOWN OTHERWISE.

16. GENERAL
- A) ALL WORKS SHALL BE CARRIED OUT TO COUNCIL'S SPECIFICATION, TO BEST PRACTICE STANDARDS, AND TO THE SATISFACTION OF COUNCIL'S SUPERVISING ENGINEER.
- B) THE WORK SITE SHALL BE KEPT IN A CLEAN, TIDY, AND SAFE CONDITION AT ALL TIMES AND TO THE SATISFACTION OF COUNCIL'S ENGINEER.

17. DOCUMENT PRIORITY
- A) THIS PLAN SUPERSEDES ANY STATEMENTS ON OTHER DOCUMENTS, EG SPECIFICATIONS, OTHER PLANS, ETC, UNLESS ADVISED BY THE COUNCIL ENGINEER.

18. INSPECTIONS

INSPECTIONS BY THE COUNCIL SUPERVISING ENGINEER SHALL BE REQUIRED AT THE FOLLOWING STAGES AND AS OTHERWISE DIRECTED BY THE COUNCIL ENGINEER:–
- A) EXCAVATION COMPLETED.
- B) PITS FORMED
- C) BASE AND WALLS OF PITS POURED.
- D) LINTELS AND GRATES PLACES AND FORMWORK IN PLACE.
- E) TOTALLY COMPLETED.

CHECKED & APPROVED	SURVEYED & DRAFTED	QUANTITIES	SERVICES AFFECTED	S.R.A. / SURV. GEN.		SERVICES	DATUM				INNER WEST COUNCIL	FILE NO.	SHEET NO.
				R.T.A.		TELECOM/OPTUS —T—T—T—T—	A. H. D.				STANDARD DRAINAGE DRAWING – D2		
APPROVED FOR CONSTRUCTION	DESIGNED PG/DJT MAY 2019	INNER WEST COUNCIL		A.G.L. / SHELL PIPELINES		GAS —G—G—G—G—	SCALES				JUNCTION PIT	PLAN NO. D2	
	DRAWN PG/DJT MAY 2019			SYDNEY WATER		SEWER —S—S—S—S—	NTS						
				TELSTRA / OPTUS		WATER —W—W—W—W—						VERSION V1	
				SYDNEY ELECTRICITY		RAILWAY —R—R—R—R—							
				NOTICE OF ENTRY		ELEC. CABLES —E—E—E—E—							
				KERB & GUTTER		OIL PIPELINES —P—P—P—P—							
				NOTICES	DATE	STORM WATER —SW—SW—SW—		AMEND	DATE	DESCRIPTION	APPROV.		

1	ISSUED FOR CONSTRUCTION	26-03-25
Issue	Description	Date

100mm on Original

Bar Scales

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Client: CORONATION

Scales	NTS	Drawn	ASD
		Designed	ASD
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS CIVIL PACKAGE

Title: STORMWATER DRAINAGE DETAILS SHEET 2

Civil Engineers and Project Managers
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Status: FOR CONSTRUCTION | A0

Project - Drawing No.: CI20-0-0-02 | Issue: 1

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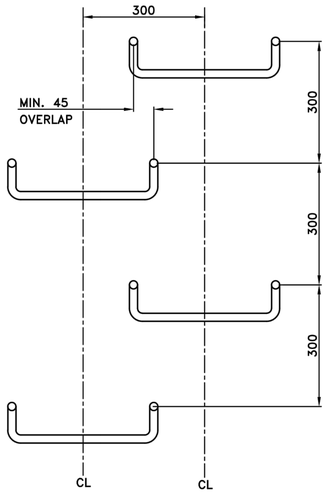
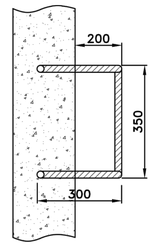
Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: SW DETAILS SH3		Drawing No: CI20-0-0-03		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388



STEP IRON PLACEMENT DIAGRAM

NOT TO SCALE

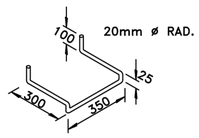


TOP VIEW

NOT TO SCALE

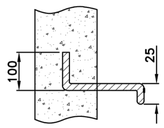
DRAINAGE NOTES 2:

1. PITS DEEPER THAN 1.0m SHALL BE FITTED WITH STEP IRONS.
2. STEP IRONS SHOULD ONLY BE USED WHERE THE VERTICAL WALL HEIGHT DOES NOT EXCEED 6m.
3. STEP IRONS SHALL BE LOCATED:
   - DIRECTLY ON A WALL WITHOUT PIPE OPENINGS.
   - DESIRABLY ON ONE OF THE LONG SIDES OF THE PIT.
   - DIRECTLY BELOW THE OPENING OF THE COVER.
4. STEP IRONS SHALL BE OF MATERIAL GIVING EQUIVALENT PERFORMANCE TO 24mm DIAMETER SOLID LOW-CARBON STEEL AND SHALL HAVE A TREAD DEPTH OF NOT LESS THAN 24mm.
5. ALL BENDS TO BE FORMED AROUND 12mmø PIN.
6. STEP IRONS SHALL HAVE SHARP EDGES ROUNDED AND HOT DIP GALVANISED AFTER FABRICATION.
7. MATERIAL FOR STEP IRONS SHALL BE STRUCTURAL GRADE 250 TO AS3679
8. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.



3D VIEW

NOT TO SCALE



SIDE ELEVATION

NOT TO SCALE

(ORIGINAL = A3 SHEET)

CHECKED & APPROVED	SURVEYED & DRAFTED	QUANTITIES	SERVICES AFFECTED	S.R.A. / SURV. GEN.		SERVICES	DATUM				FILE NO. / SHEET NO.
				R.T.A.		TELECOM/OPTUS —T—T—T—T—	A. H. D.			INNER WEST COUNCIL	
APPROVED FOR CONSTRUCTION	DESIGNED PG/DJT MAY 2019	INNER WEST COUNCIL		A.G.L. / SHELL PIPELINES		GAS —G—G—G—G—				STANDARD DRAINAGE DRAWING – D6	PLAN NO. D6
	DRAWN PG/DJT MAY 2019			SYDNEY WATER		SEWER —S—S—S—S—	SCALES NTS			STEP IRON DETAILS	
				TELSTRA / OPTUS		WATER —W—W—W—W—					VERSION V1
				SYDNEY ELECTRICITY		RAILWAY —R—R—R—R—					
				NOTICE OF ENTRY		ELEC. CABLES —E—E—E—E—					
				KERB & GUTTER		OIL PIPELINES —P—P—P—P—					
				NOTICES	DATE	STORM WATER —SW—SW—SW—		AMEND	DATE	DESCRIPTION	APPROV.

1	ISSUED FOR CONSTRUCTION	26-03-25
Issue	Description	Date

100mm on Original

Bar Scales

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Client: CORONATION

Scales	NTS	Drawn	ASD
		Designed	ASD
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS CIVIL PACKAGE

Title: STORMWATER DRAINAGE DETAILS SHEET 3

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Status: FOR CONSTRUCTION — A0

Project - Drawing No.: CI20-0-0-03 — Issue: 1

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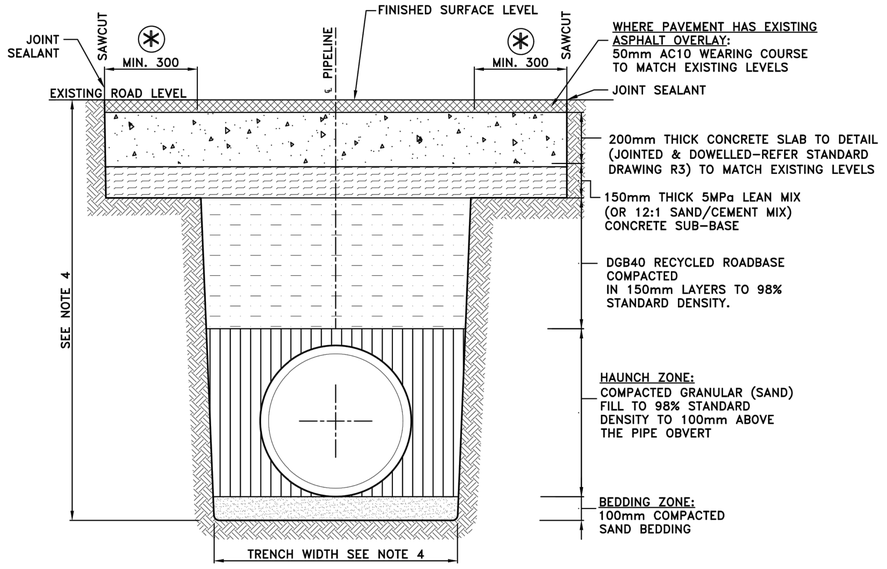
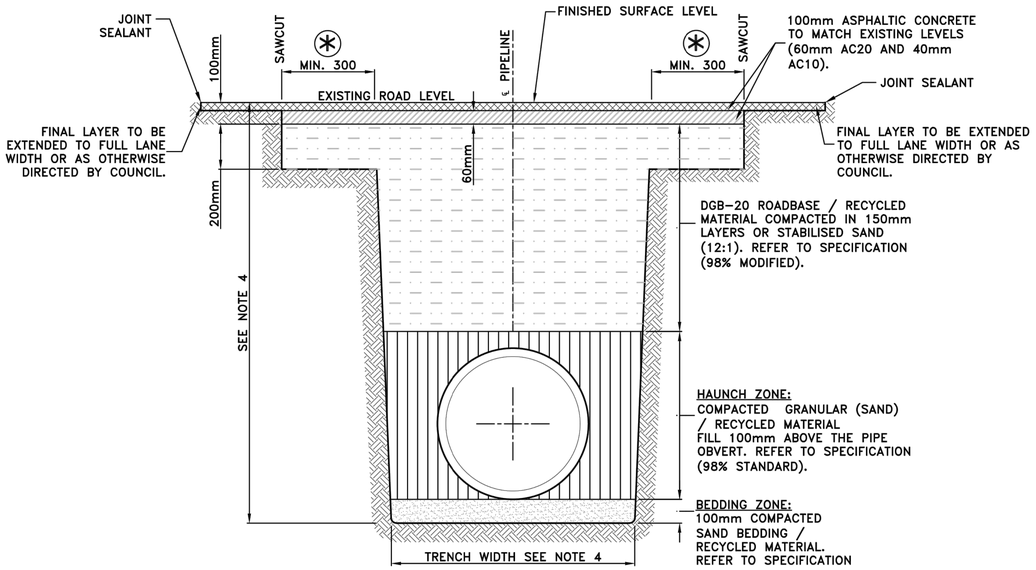
Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: SW DETAILS SH4		Drawing No: CI20-0-0-04		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388



TYPICAL SECTION–CONCRETE PAVEMENT OVER PIPELINE



TYPICAL SECTION–FLEXIBLE PAVEMENT OVER PIPELINE

NOTE ✱
THE WIDTH MAY VARY DEPENDING ON THE EXTENT OF DAMAGE TO THE ADJOINING ROAD PAVEMENT BY THE PIPE INSTALLATION WORKS, AND/OR WHERE THE LONGITUDINAL TRENCH IS PARALLEL TO THE ROAD CENTRELINE.
THE WIDTH OF RESTORATION SHALL BE SELECTED BY COUNCIL TO COVER THE EXTENT OF DAMAGE TO THE ROAD PAVEMENT, RESTORE THE ROAD TO REASONABLE SURFACE FOR THE MOTORISTS AND SUIT STANDARD PAVEMENT MACHINES WIDTH.

DRAINAGE NOTES 3:

1. **CONCRETE STRENGTH**
   - A) DISH CROSSING, ROAD PLATFORM/HUMP, ROAD SLAB: 40MPA @ 28 DAYS
   - B) FOR TRAFFICKED AREAS WHERE FACILITY MUST BE OPEN TO TRAFFIC WITHIN 12 HOURS (EG VEHICLE CROSSING, ROAD SLAB, DISH CROSSING, ROAD PLATFORM/HUMP: 40 MPA WITH ACCELERATOR SUCH AS 2% CACL (REFER TO SP40HC).
2. **CONCRETE FINISH**
   - A) VEHICLE CROSSINGS, FOOTPATH, CYCLEWAY, ROAD SLABS, PRAM RAMP, ROAD HUMPS/RAMPS – BROOM/BRUSH.
3. **EXCAVATION**
   - A) AT ALL JOINS TO EXISTING CONCRETE/ASPHALT – THE JOIN SHALL BE SAW CUT BEFORE EXCAVATION.
   - A) IN UNDERTAKING TRENCH EXCAVATION, THE CONTRACTOR SHALL PROVIDE ANY SHORING, SHEET PILING OR OTHER STABILISATION OF THE TRENCH NECESSARY TO COMPLY WITH OH&S REGULATION REQUIREMENTS. THE SIDES SHALL NOT BE LOADED & SHALL BE KEPT CLEAR OF LOOSE MATERIAL ETC. SAFE ACCESS & EGRESS SHALL BE PROVIDED AT ALL TIMES.
   - B) THE TRENCH SHALL BE EXCAVATED TO A WIDTH 1.4 TIMES THE EXTERNAL DIAMETER OF THE PIPE, OR TO THE EXTERNAL DIAMETER OF THE PIPE PLUS 300mm ON EACH SIDE, WHICHEVER IS THE GREATER.
   - C) ALL EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT A LICENSED WASTE DISPOSAL FACILITY.
4. **ROAD BASE**
   - A) COMPACTION: 95% STANDARD.
   - B) RECYCLED DGB SPECIFICATION: FOR SUPPLY OF RECYCLED MATERIAL FOR PAVEMENTS, EARTHWORKS, AND DRAINAGE REFER TO SPECIFICATION FOR SUPPLY OF RECYCLED MATERIAL FOR PAVEMENTS, EARTHWORKS AND DRAINAGE' BY IPWEA (NSW) (LATEST EDITION).
5. **RESTORATION OF ADJOINING ROAD PAVEMENT AND EXCAVATION BACKFILL**
   - A) SEALANT FOR JOINT (15 +/– 3mm WIDE), BETWEEN NEW AC OR CONCRETE JOINT AND EDGE OF TRAFFICABLE CONCRETE SLAB OR STRUCTURE, SHALL BE SAMIFILLA HM OR APPROVED EQUIVALENT.
6. **UTILITIES, SERVICES & SURVEY MARKS**
   - A) ALL UNDERGROUND UTILITY SERVICES SHALL BE CHECKED FOR LEVEL AND LOCATION PRIOR TO COMMENCEMENT OF WORKS, BY THE CONTRACTOR.
   - B) ALL SERVICE COVERS AFFECTED BY THE WORKS SHALL BE ADJUSTED AS REQUIRED AND TO SUIT THE LEVELS OF THE NEW WORK. NO SERVICE FITTINGS SHALL BE COVERED.
   - C) STATE SURVEY MARKS (SSM'S) – SHALL NOT BE DISTURBED UNLESS APPROVED BY THE COUNCIL ENGINEER.
7. **NATURE STRIP RESTORATION**
   - A) MATCH EXISTING TURF.
   - B) IF NEW TURF IS SPECIFIED – USE SOFT LEAF BUFFALO 'SHADEMASTER', LAID ON 100MM THICK PREPARED TOPSOIL, AS SPECIFIED BY THE COUNCIL ENGINEER.
8. **EXISTING SIGNAGE/LINEMARKING**
   - A) SUCH SIGNAGE SHALL BE REINSTATED UNLESS THE COUNCIL ENGINEER ADVISES OTHERWISE.
   - B) ALL LINEMARKING & SIGNPOSTING AFFECTED BY WORKS SHALL BE REINSTATED IN ACCORDANCE WITH AS 1742 & THE RMS SPECIFICATIONS.
   - C) SIGNS REPLACED OR NEW, WITHIN THE NEW CONCRETE SHALL BE INSTALLED WITH A V–LOK.
   - D) HERITAGE STREET NAME SIGNS EMBEDDED IN FOOTPATH PAVING AND KERBS – CAUTION SHALL BE EXERCISED TO NOT DAMAGE THESE SIGNS AND THE CONTRACTOR SHALL LIAISE WITH THE COUNCIL ENGINEER TO DETERMINE WHAT ACTION TO IMPLEMENT WHERE DISTURBANCE OF THE SIGN IS ESSENTIAL.
9. **ASPHALTIC CONCRETE**
   - A) SHALL CONFORM TO RMS SPECIFICATION R116 – 'ASPHALT (DENSE AND OPEN GRADED)'.
10. **RESIDENT NOTIFICATION**
    - A) ALL RESIDENTS AFFECTED BY THE WORKS SHALL BE NOTIFIED AT LEAST 2 WORKING DAYS BEFORE THE RELEVANT WORK COMMENCES AND ANY REASONABLE REQUESTS ACCOMMODATED.
11. **SAFETY/SIGNAGE/ACCESS**
    - A) DURING CONSTRUCTION, ADEQUATE WARNING SIGNS AND BARRICADING SHALL BE PROVIDED TO ENSURE THAT THE WORK SITE MEETS THE REQUIREMENTS OF AS 1742.2 & 1743.3, AND TO PROVIDE ADEQUATE PROTECTION TO PEDESTRIANS & MOTORISTS.
    - B) ADEQUATE AND SAFE ACCESS FOR PEDESTRIANS SHALL BE PROVIDED AT ALL TIMES.
    - C) AT DRIVEWAYS – PREVENTION OF ACCESS SHALL BE KEPT TO AN ABSOLUTE MINIMUM AND ARRANGEMENTS SHALL BE MADE WITH THE RESIDENT/BUSINESS, BY THE CONTRACTOR, FOR A SUITABLE DAY/TIME FOR THIS WORK. USE OF HIGHER STRENGTH CONCRETE, WITH SHORTER CURING TIME MAY BE NECESSARY.
12. **DIMENSIONS**
    - A) ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SHOWN OTHERWISE.
13. **GENERAL**
    - A) ALL WORKS SHALL BE CARRIED OUT TO COUNCIL'S SPECIFICATION, TO BEST PRACTICE STANDARDS, AND TO THE SATISFACTION OF COUNCIL'S SUPERVISING ENGINEER.
    - B) THE WORK SITE SHALL BE KEPT IN A CLEAN, TIDY, AND SAFE CONDITION AT ALL TIMES AND TO THE SATISFACTION OF COUNCIL'S ENGINEER.
14. **DOCUMENT PRIORITY**
    - A) THIS PLAN SUPERSEDES ANY STATEMENTS ON OTHER DOCUMENTS, EG SPECIFICATIONS, OTHER PLANS, ETC, UNLESS ADVISED BY THE COUNCIL ENGINEER.
15. **INSPECTIONS**

INSPECTIONS BY THE COUNCIL SUPERVISING ENGINEER SHALL BE REQUIRED AT THE FOLLOWING STAGES AND AS OTHERWISE DIRECTED BY THE COUNCIL ENGINEER:–

- A) EXCAVATION COMPLETED.
- B) PIPES LAID BUT NOT BACKFILLED.
- C) SAND BACKFILL AND COMPACTED.
- D) DGB BACKFILL & COMPACTED.
- E) CONCRETE PAVEMENT TO PLAN R3.
- F) TOTALLY COMPLETED.

NOTE
IF COVER TO OBVERT OF PIPE LESS THAN 300mm, CONCRETE ENCASE WHOLE PIPE.

NOTE
IF COVER TO OBVERT OF PIPE LESS THAN 200mm, CONTACT COUNCIL'S ENGINEER FOR FURTHER INSTRUCTIONS.

(ORIGINAL = A3 SHEET)

CHECKED & APPROVED	SURVEYED & DRAFTED	QUANTITIES	SERVICES AFFECTED	S.R.A. / SURV. GEN.		SERVICES		DATUM						INNER WEST COUNCIL	FILE NO.	SHEET NO.
				R.T.A.		TELECOM/OPTUS —T—T—T—T—		A. H. D.						STANDARD DRAINAGE DRAWING – D7	PLAN NO.	D7
APPROVED FOR CONSTRUCTION	DESIGNED PG/DJT MAY 2019	INNER WEST COUNCIL		A.G.L. / SHELL PIPELINES		GAS —G—G—G—G—		SCALES						EMBEDDING AND ROAD RESTORATION		
	DRAWN PG/DJT MAY 2019			SYDNEY WATER		SEWER —S—S—S—S—		NTS						FOR PIPE INSTALLATION	VERSION	V1
				TELSTRA / OPTUS		WATER —W—W—W—W—										
				SYDNEY ELECTRICITY		RAILWAY —R—R—R—R—										
				NOTICE OF ENTRY		ELEC. CABLES —E—E—E—E—										
				KERB & GUTTER		OIL PIPELINES —P—P—P—P—										
				NOTICES	DATE	STORM WATER —SW—SW—SW—			AMEND	DATE	DESCRIPTION		APPROV.			

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	26-03-25

Bar Scales

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Client: CORONATION

Scales	NTS	Drawn	ASD
		Designed	ASD
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS CIVIL PACKAGE

Title: STORMWATER DRAINAGE DETAILS SHEET 4

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Status	Issue
FOR CONSTRUCTION	A0
Project - Drawing No. CI20-0-0-04	1

100mm on Original

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Document Set ID: 40330703
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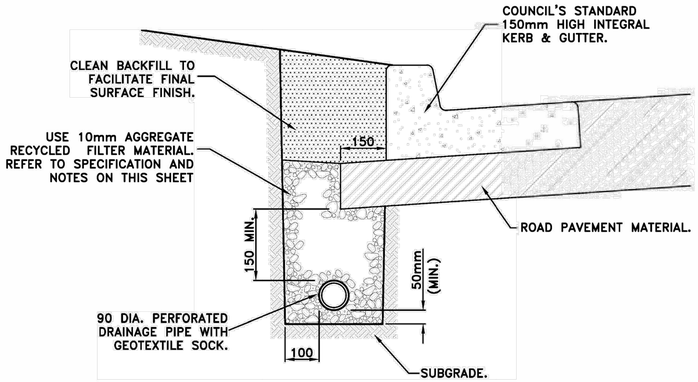
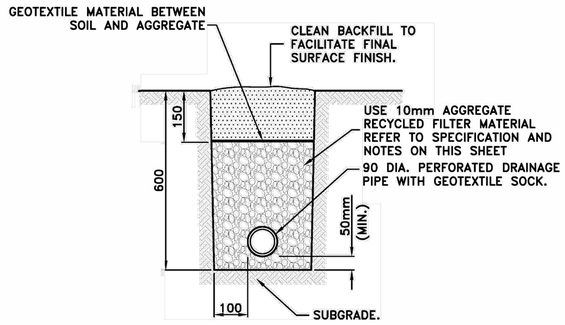
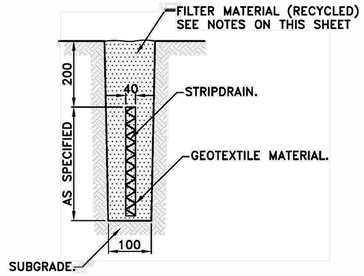
Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: SW DETAILS SH5		Drawing No: CI20-0-0-05		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388



TYPICAL INSTALLATION WITH KERB & GUTTER



TYPICAL INSTALLATION



STRIP DRAIN

(ONLY WHERE SPECIFIED BY COUNCIL)

SAND FILTER MATERIAL GRADING	
AS. SIEVE SIZE mm	% PASSING
4.750	100
2.360	95–100
0.425	20–80
0.300	0–30
0.150	0–2
0.075	0–0.1

DRAINAGE NOTES 4:

1. THE MINIMUM GRADE OF THE LINE SHALL BE 1 IN 200. THE GRADE SHALL FALL CONTINUOUSLY TO PREVENT SILTING UP AND BLOCKAGES.
2. TRENCHES SHALL HAVE CLEARLY CUT SIDES TO AVOID CONTAMINATION OF THE FILTER DURING CONSTRUCTION.
3. ENSURE THAT AN APPROPRIATE RECYCLED FILTER MATERIAL IS USED IN ACCORDANCE WITH TABLE ON THIS SHEET, CLASS D10 OF THE IPWEA'S SPECIFICATION FOR SUPPLY OF RECYCLED MATERIAL FOR PAVEMENTS, EARTH WORKS AND DRAINAGE. A MAXIMUM FILTER AGGREGATE SIZE OF NOMINAL 10mm SHALL BE USED TO AVOID PUNCTURING THE PIPE.
4. A MINIMUM 50mm LAYER OF FILTER MATERIAL SHALL FIRST BE PLACED IN THE TRENCH TO PROVIDE A DRAINAGE PATH UNDERNEATH THE PLASTIC PIPE.
5. THE PIPE SHALL BE KEPT IN THE CENTRE OF THE TRENCH AND THE FILTER MATERIAL COMPACTED UNDER THE HAUNCHES, AROUND THE SIDES AND ABOVE THE PIPE.
6. CLEANING CONNECTIONS;–
   (a) AT THE UPSTREAM END PROVIDE A 90mmø UPVC RISER (SEWER GRADE) WITH A SCREWED CAP LEVEL WITH THE TOP OF KERB. PROVIDE A 90° UPVC BEND AT THE JOIN WITH THE CORRUGATED SUBSOIL PIPE.
   (b) AT 60m INTERVALS, AS FOR (a), BUT WITH A UPVC 'T' JUNCTION AT THE JOIN WITH THE CORRUGATED SUB SOIL PIPE
7. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.

(ORIGINAL = A3 SHEET)

CHECKED & APPROVED	SURVEYED & DRAFTED	QUANTITIES	SERVICES AFFECTED	S.R.A. / SURV. GEN.		SERVICES	DATUM				INNER WEST COUNCIL
APPROVED FOR CONSTRUCTION	DESIGNED PG/DJT MAY 2019			R.T.A.		TELECOM/OPTUS —T—T—T—	A. H. D.				STANDARD DRAINAGE DRAWING – D8
	DRAWN PG/DJT MAY 2019	INNER WEST COUNCIL		A.G.L. / SHELL PIPELINES		GAS —G—G—G—	SCALES				STANDARD SUBSOIL DRAINS
				SYDNEY WATER		SEWER —S—S—S—	NTS				FILE NO. / SHEET NO.
				TELSTRA / OPTUS		WATER —W—W—W—					PLAN NO. D8
				SYDNEY ELECTRICITY		RAILWAY —R—R—R—					VERSION V1
				NOTICE OF ENTRY		ELEC. CABLES —E—E—E—					
				KERB & GUTTER		OIL PIPELINES —P—P—P—					
				NOTICES	DATE	STORM WATER —SW—SW—SW—		AMEND	DATE	DESCRIPTION	APPROV.

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	26-03-25

Bar Scales

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Client: CORONATION

Scales	NTS	Drawn	ASD
		Designed	ASD
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS CIVIL PACKAGE

Title: STORMWATER DRAINAGE DETAILS SHEET 5

Civil Engineers and Project Managers
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Status: FOR CONSTRUCTION — A0

Project - Drawing No.: CI20-0-0-05 — Issue: 1

100mm on Original

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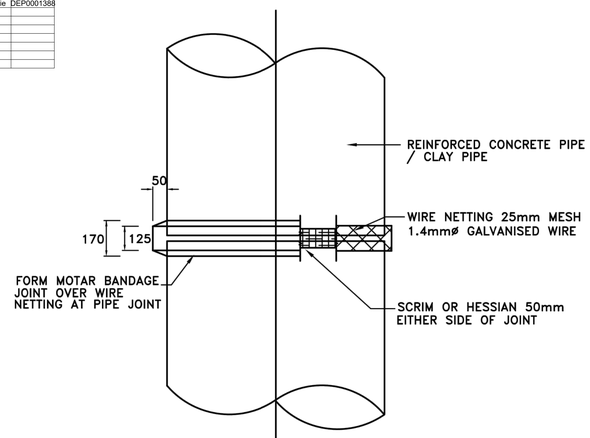
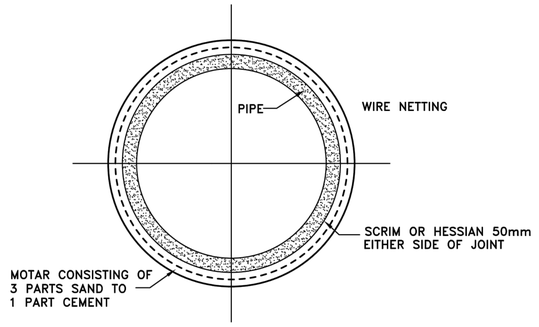
Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: SW DETAILS SH6		Drawing No: CI20-0-0-06		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388

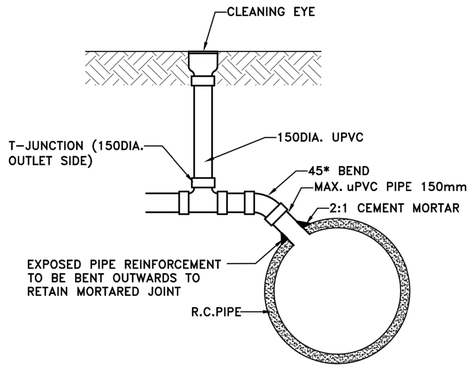


PLAN



SECTION

NOTE:
BANDAGED JOINTS SHALL BE USED FOR JUNCTIONS BETWEEN CONCRETE, VITRIFIED CLAY AND/OR ASBESTOS CEMENT PIPELINES. THE JOINTS SHALL BE CONSTRUCTED BY CAREFULLY CUTTING THE PIPES SO THAT A NEAT FIT IS OBTAINED THEN JOINED IN-SITU. THE INSIDE SHALL BE NEATLY AND SMOOTHLY FINISHED IN CEMENT MORTAR TO MAINTAIN THE SLOPE OF THE ORIGINAL PIPES.



CONNECTION OF DRAINAGE LINE

NOTE:
THE R.C. STORMWATER PIPE SHALL BE PIERCED BY A NEAT OPENING TO ALLOW THE CONNECTION OF A PVC PIPE WHICH SHALL NOT PROTRUDE BEYOND THE INNER SURFACE OF THE R.C. STORMWATER PIPE. THE INTERNAL JUNCTION SHALL BE SMOOTHLY FINISHED WITH 2:1 CEMENT MORTAR SO AS TO PRESENT NO OBSTRUCTION WITHIN THE INTERNAL CHANNEL OF THE R.C STORMWATER PIPE - THIS SHALL BE DONE BEFORE THE 45* BEND IS INSTALLED.

DRAINAGE NOTES 5:

1. EXCAVATION
- A) AT ALL JOINS TO EXISTING CONCRETE/ASPHALT - THE JOIN SHALL BE SAW CUT BEFORE EXCAVATION.
- B) ALL EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT A LICENSED WASTE DISPOSAL FACILITY.

2. UTILITIES, SERVICES & SURVEY MARKS
- A) ALL UNDERGROUND UTILITY SERVICES SHALL BE CHECKED FOR LEVEL AND LOCATION PRIOR TO COMMENCEMENT OF WORKS, BY THE CONTRACTOR.
- B) ALL SERVICE COVERS AFFECTED BY THE WORKS SHALL BE ADJUSTED AS REQUIRED AND TO SUIT THE LEVELS OF THE NEW WORK. NO SERVICE FITTINGS SHALL BE COVERED.
- C) PROPERTY STORMWATER PIPES: WHERE AFFECTED, SHALL BE REPLACED WITH 90MM UPVC OR TO SUIT EXISTING AND INVERT SHALL MATCH THE GUTTER LEVEL.
- D) STATE SURVEY MARKS (SSM'S) - SHALL NOT BE DISTURBED UNLESS APPROVED BY THE COUNCIL ENGINEER.
- E) AT ALL LIGHT/POWER POLES, THE CONCRETE SHALL BE ENDED 150MM CLEAR OF THE POLE AND THE GAP FILLED WITH 30MM OF 10MM COLDMIX/ASPHALTIC CONCRETE.

3. NATURE STRIP RESTORATION
- A) MATCH EXISTING TURF.
- B) IF NEW TURF IS SPECIFIED - USE SOFT LEAF BUFFALO 'SHADEMASTER', LAID ON 100MM THICK PREPARED TOPSOIL, AS SPECIFIED BY THE COUNCIL ENGINEER.

4. EXISTING SIGNAGE
- A) SUCH SIGNAGE SHALL BE REINSTATED UNLESS THE COUNCIL ENGINEER ADVISES OTHERWISE.
- B) SIGNS REPLACED OR NEW, WITHIN THE NEW CONCRETE SHALL BE INSTALLED WITH A V-LOK.
- C) HERITAGE STREET NAME SIGNS EMBEDDED IN FOOTPATH PAVING AND KERBS - CAUTION SHALL BE EXERCISED TO NOT DAMAGE THESE SIGNS AND THE CONTRACTOR SHALL LIAISE WITH THE COUNCIL ENGINEER TO DETERMINE WHAT ACTION TO IMPLEMENT WHERE DISTURBANCE OF THE SIGN IS ESSENTIAL.

5. RESIDENT NOTIFICATION
- A) ALL RESIDENTS AFFECTED BY THE WORKS SHALL BE NOTIFIED AT LEAST 2 WORKING DAYS BEFORE THE RELEVANT WORK COMMENCES AND ANY REASONABLE REQUESTS ACCOMMODATED.

6. SAFETY/SIGNAGE/ACCESS
- A) DURING CONSTRUCTION, ADEQUATE WARNING SIGNS AND BARRICADING SHALL BE PROVIDED TO ENSURE THAT THE WORK SITE MEETS THE REQUIREMENTS OF AS 1742.2 & 1743.3, AND TO PROVIDE ADEQUATE PROTECTION TO PEDESTRIANS & MOTORISTS.
- B) ADEQUATE AND SAFE ACCESS FOR PEDESTRIANS SHALL BE PROVIDED AT ALL TIMES.
- C) AT DRIVEWAYS - PREVENTION OF ACCESS SHALL BE KEPT TO AN ABSOLUTE MINIMUM AND ARRANGEMENTS SHALL BE MADE WITH THE RESIDENT/BUSINESS, BY THE CONTRACTOR, FOR A SUITABLE DAY/TIME FOR THIS WORK. USE OF HIGHER STRENGTH CONCRETE, WITH SHORTER CURING TIME MAY BE NECESSARY.

7. DIMENSIONS
- A) ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SHOWN OTHERWISE.

8. GENERAL
- A) ALL WORKS SHALL BE CARRIED OUT TO COUNCIL'S SPECIFICATION, TO BEST PRACTICE STANDARDS, AND TO THE SATISFACTION OF COUNCIL'S SUPERVISING ENGINEER.
- B) THE WORK SITE SHALL BE KEPT IN A CLEAN, TIDY, AND SAFE CONDITION AT ALL TIMES AND TO THE SATISFACTION OF COUNCIL'S ENGINEER.

9. DOCUMENT PRIORITY
- A) THIS PLAN SUPERSEDES ANY STATEMENTS ON OTHER DOCUMENTS, EG SPECIFICATIONS, OTHER PLANS, ETC, UNLESS ADVISED BY THE COUNCIL ENGINEER.

10. INSPECTIONS
INSPECTIONS BY THE COUNCIL SUPERVISING ENGINEER SHALL BE REQUIRED AT THE FOLLOWING STAGES AND AS OTHERWISE DIRECTED BY THE COUNCIL ENGINEER:-
- A) EXCAVATION COMPLETED.
- B) PIPE CONNECTION AND MAIN DRAINAGE LINE COMPLETED BUT 45* BEND NOT INSTALLED.
- C) ALL PIPES LAID BUT NOT BACKFILLED.
- D) TOTALLY COMPLETED.
- E) IN SOME CASES, COUNCIL MAY REQUIRE A CCTV SURVEY ON COMPLETION OF THE CONNECTION.

(ORIGINAL = A3 SHEET)

CHECKED & APPROVED	SURVEYED & DRAFTED	QUANTITIES	SERVICES AFFECTED	S.R.A. / SURV. GEN.		SERVICES	DATUM				INNER WEST COUNCIL
APPROVED FOR CONSTRUCTION	DESIGNED PG/DJT MAY 2019	INNER WEST COUNCIL		R.T.A.		TELECOM/OPTUS —T—T—T—T—	A. H. D.				STANDARD DRAINAGE DRAWING - D9
	DRAWN PG/DJT MAY 2019			A.G.L. / SHELL PIPELINES		GAS —G—G—G—G—	SCALES				BANDAGE JOINT & MINOR PIPE CONNECTION
				SYDNEY WATER		SEWER —S—S—S—S—	NTS				TO STORMWATER PIPE - DETAIL
				TELSTRA / OPTUS		WATER —W—W—W—W—					
				SYDNEY ELECTRICITY		RAILWAY —R—R—R—R—					
				NOTICE OF ENTRY		ELEC. CABLES —E—E—E—E—					
				KERB & GUTTER		OIL PIPELINES —P—P—P—P—					
				NOTICES	DATE	STORM WATER —SW—SW—SW—		AMEND	DATE	DESCRIPTION	APPROV.

FILE NO.	SHEET NO.
PLAN NO.	D9
VERSION	V1

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	26-03-25

Bar Scales

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Client: CORONATION

Scales	NTS	Drawn	ASD
		Designed	ASD
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS CIVIL PACKAGE

Title: STORMWATER DRAINAGE DETAILS SHEET 6

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Status	Issue
FOR CONSTRUCTION	A0
Project - Drawing No. CI20-0-0-06	1

100mm on Original

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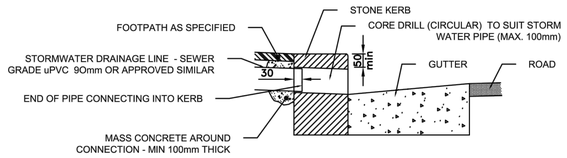
Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

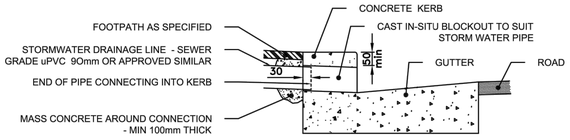
Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: SW DETAILS SH7		Drawing No: CI20-0-0-07		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388



STORMWATER OUTLET IN SANDSTONE KERB

SCALE 1:20

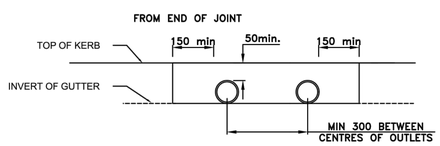
NOTE: FOR RHS STORMWATER OUTLETS – SEE NOTE 3 AND USE PIPE ADAPTER FOR KERB CONNECTION



STORMWATER OUTLET IN CONCRETE KERB

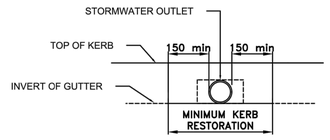
SCALE 1:20

NOTE: A. FOR RHS STORMWATER OUTLETS – SEE NOTE 3 AND EXTEND THROUGH KERB TO GUTTER.
B. FOR ROLLTOP KERB – USE ADAPTER FOR KERB CONNECTION (TO RECTANGULAR/SQUARE SECTION)



STORMWATER OUTLET ELEVATION

SCALE 1:20



KERB RESTORATION DIAGRAM

SCALE 1:20

DRAINAGE NOTES 6:

1. CONCRETE STRENGTH
- A) KERB, KERB & GUTTER, FOOTPATH, CYCLEWAY, VEHICLE CROSSING, PRAM RAMP, EDGE STRIP: 25MPA @ 28 DAYS
- B) DISH CROSSING, ROAD PLATFORM/HUMP, ROAD SLAB: 40MPA @ 28 DAYS
- C) PIT: 25MPA @ 28 DAYS
- D) FOR TRAFFICKED AREAS WHERE FACILITY MUST BE OPEN TO TRAFFIC WITHIN 12 HOURS (EG VEHICLE CROSSING, ROAD SLAB, DISH CROSSING, ROAD PLATFORM/HUMP: 40 MPA WITH ACCELERATOR SUCH AS 2% CACL (REFER TO SP40HC).

2. CONCRETE FINISH
- A) KERB, GUTTER, LAYBACK, DISH CROSSING, PIT (OUTER EXPOSED) – STEEL TROWEL
- B) VEHICLE CROSSINGS, FOOTPATH, CYCLEWAY, ROAD SLABS, PRAM RAMP, ROAD HUMPS/RAMPS – BROOM/BRUSH.
- C) PIT (INTERNAL): WOOD FLOAT.

3. STORMWATER OUTLETS
- A) UPVC
  - A)1. MINIMUM 90mm DIAMETER
  - A)2. SEWER GRADE
  - A)3. MINIMUM GRADE 1%
- B) RHS
  - B)1. MINIMUM 200x45x3mm
  - B)2. STEEL TO AS4671
  - B)3. HOT DIPPED GALVANISED INSIDE AND OUT TO AS4680
  - B)4. MINIMUM GRADE 1%

4. EXCAVATION
- A) AT ALL JOINS TO EXISTING CONCRETE/ASPHALT – THE JOIN SHALL BE SAW CUT BEFORE EXCAVATION.
- B) ALL EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT A LICENSED WASTE DISPOSAL FACILITY.

5. UTILITIES, SERVICES & SURVEY MARKS
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- C) PROPERTY STORMWATER PIPES: WHERE AFFECTED, SHALL BE REPLACED WITH 90MM UPVC OR TO SUIT EXISTING AND INVERT SHALL MATCH THE GUTTER LEVEL.
- D) STATE SURVEY MARKS (SSM'S) – SHALL NOT BE DISTURBED UNLESS APPROVED BY THE COUNCIL ENGINEER.
- E) AT ALL LIGHT/POWER POLES, THE CONCRETE SHALL BE ENDED 150MM CLEAR OF THE POLE AND THE GAP FILLED WITH 30MM OF 10MM COLDMIX/ASPHALTIC CONCRETE.

6. NATURE STRIP RESTORATION
- A) MATCH EXISTING TURF.
- B) IF NEW TURF IS SPECIFIED – USE SOFT LEAF BUFFALO 'SHADEMASTER', LAID ON 100MM THICK PREPARED TOPSOIL, AS SPECIFIED BY THE COUNCIL ENGINEER.

7. EXISTING SIGNAGE
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- B) SIGNS REPLACED OR NEW, WITHIN THE NEW CONCRETE SHALL BE INSTALLED WITH A V-LOK.
- C) HERITAGE STREET NAME SIGNS EMBEDDED IN FOOTPATH PAVING AND KERBS – CAUTION SHALL BE EXERCISED TO NOT DAMAGE THESE SIGNS AND THE CONTRACTOR SHALL LIAISE WITH THE COUNCIL ENGINEER TO DETERMINE WHAT ACTION TO IMPLEMENT WHERE DISTURBANCE OF THE SIGN IS ESSENTIAL.

8. ASPHALTIC CONCRETE
- A) SHALL CONFORM TO RMS SPECIFICATION R116 – 'ASPHALT (DENSE AND OPEN GRADED)'.

9. RESIDENT NOTIFICATION
- A) ALL RESIDENTS AFFECTED BY THE WORKS SHALL BE NOTIFIED AT LEAST 2 WORKING DAYS BEFORE THE RELEVANT WORK COMMENCES AND ANY REASONABLE REQUESTS ACCOMMODATED.

10. SAFETY/SIGNAGE/ACCESS
- A) DURING CONSTRUCTION, ADEQUATE WARNING SIGNS AND BARRICADING SHALL BE PROVIDED TO ENSURE THAT THE WORK SITE MEETS THE REQUIREMENTS OF AS 1742.2 & 1743.3, AND TO PROVIDE ADEQUATE PROTECTION TO PEDESTRIANS & MOTORISTS.
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- C) AT DRIVEWAYS – PREVENTION OF ACCESS SHALL BE KEPT TO AN ABSOLUTE MINIMUM AND ARRANGEMENTS SHALL BE MADE WITH THE RESIDENT/BUSINESS, BY THE CONTRACTOR, FOR A SUITABLE DAY/TIME FOR THIS WORK. USE OF HIGHER STRENGTH CONCRETE, WITH SHORTER CURING TIME MAY BE NECESSARY.

11. DIMENSIONS
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12. GENERAL
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- B) THE WORK SITE SHALL BE KEPT IN A CLEAN, TIDY, AND SAFE CONDITION AT ALL TIMES AND TO THE SATISFACTION OF COUNCIL'S ENGINEER.

13. DOCUMENT PRIORITY
- A) THIS PLAN SUPERSEDES ANY STATEMENTS ON OTHER DOCUMENTS, EG SPECIFICATIONS, OTHER PLANS, ETC, UNLESS ADVISED BY THE COUNCIL ENGINEER.

14. INSPECTIONS

INSPECTIONS BY THE COUNCIL SUPERVISING ENGINEER SHALL BE REQUIRED AT THE FOLLOWING STAGES AND AS OTHERWISE DIRECTED BY THE COUNCIL ENGINEER:–
- A) EXCAVATION COMPLETED.
- B) PITS FORMED
- C) TOTALLY COMPLETED.

(ORIGINAL = A3 SHEET)

CHECKED & APPROVED	SURVEYED & DRAFTED	QUANTITIES	SERVICES AFFECTED	S.R.A. / SURV. GEN.		SERVICES		DATUM			INNER WEST COUNCIL
APPROVED FOR CONSTRUCTION	DESIGNED PG/DJT MAY 2019	INNER WEST COUNCIL		R.T.A.		TELECOM/OPTUS	—T—T—T—T—	A. H. D.			STANDARD DRAINAGE DRAWING – D10
	DRAWN PG/DJT MAY 2019			A.G.L. / SHELL PIPELINES		GAS	—G—G—G—G—	SCALES			KERB STORMWATER OUTLETS
				SYDNEY WATER		SEWER	—S—S—S—S—	NTS			SANDSTONE AND CONCRETE KERB
				TELSTRA / OPTUS		WATER	—W—W—W—W—				
				SYDNEY ELECTRICITY		RAILWAY	—R—R—R—R—				
				NOTICE OF ENTRY		ELEC. CABLES	—E—E—E—E—				
				KERB & GUTTER		OIL PIPELINES	—P—P—P—P—				
				NOTICES	DATE	STORM WATER	—SW—SW—SW—		AMEND	DATE	DESCRIPTION / APPROV.

FILE NO.	SHEET NO.
PLAN NO.	D10
VERSION	V1

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	26-03-25

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Client: CORONATION

Scales	NTS	Drawn	ASD
		Designed	ASD
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS CIVIL PACKAGE

Title: STORMWATER DRAINAGE DETAILS SHEET 7

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Status		
FOR CONSTRUCTION		A0
Project - Drawing No.		Issue
CI20-0-0-07		1

100mm on Original

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Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: LINEMARKING PLAN		Drawing No: CI30-0-0-01		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388

LEGEND

- PROPOSED SIGN
- EXISTING SIGN
- EXISTING SIGN TO BE REMOVED
- EXISTING SIGN POST TO BE REMOVED / PROPOSED SIGN POST LOCATION

NOTES:

1. ALL SIGNAGE TO BE IN ACCORDANCE WITH THE AUSTRALIAN STANDARD AS 1742.
2. ALL PAVEMENT MARKING TO BE IN ACCORDANCE WITH THE #NSW DELINEATION MANUAL.
3. TRANSITION LINEMARKING TO SUIT EXISTING WHERE REQUIRED.
4. RELOCATE/ REMOVE EXISTING SIGNS AS REQUIRED.
5. REMOVE ALL REDUNDANT PAVEMENT MARKING AS REQUIRED.
6. PROVIDE ADEQUATE APPROACH WARNING SIGNS DURING AND AFTER CONSTRUCTION.
7. ALL LINEMARKING TO BE WHITE IN COLOUR WITH THE EXCEPTION OF C2 AND C3 LINES AND LINEMARKING ON CONCRETE PAVEMENTS WHICH ARE TO BE YELLOW.
8. ALL LINEMARKING TO BE IN ACCORDANCE WITH THE APPROVED ENGINEERING DRAWINGS ENDORSED BY THE LOCAL TRAFFIC COMMITTEE. AND SHALL BE INSTALLED PRIOR TO THE ISSUE OF A SUBDIVISION CERTIFICATE.

RAISED THRESHOLD AND PIANO LINEMARKING TO BE INSTALLED IN ACCORDANCE WITH INNER WEST COUNCIL STANDARD DETAILS. REFER DRAWING CI15-0-0-05 (TYP).

EDITH STREET

REINSTATE EXISTING SPEED HUMP AND SPEED ADVISORY SIGNAGE

REINSTATE EXISTING PARKING SIGNAGE

RAISED THRESHOLD AND PIANO LINEMARKINGTO BE INSTALLED IN ACCORDANCEWITH INNER WEST COUNCIL STANDARD DETAILS. REFER DRAWING CI15-0-0-05 (TYP).

BUILDING 1
BUILDING 2
BUILDING 7
BUILDING 8
BUILDING A
BUILDING B
BUILDING C

MAKERS WAY

ROBERTS STREET

ALBION LANE

MARY STREET

ROLF LANE

RETAIN EXISTING SIGN (TYPE TBC WITH SITE INVESTIGATION)

RAISED THRESHOLD AND PIANO LINEMARKING TO BE INSTALLED IN ACCORDANCE WITH INNER WEST COUNCIL STANDARD DETAILS. REFER DRAWING CI15-0-0-05 (TYP).

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	26-03-25

100mm on Original

Bar Scales: 0 5 10 15 20m — 1 : 200 @ A0

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Client: CORONATION

Scales	1:200	Drawn	ASD
		Designed	ASD
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS CIVIL PACKAGE

Title: SIGNAGE AND LINEMARKING PLAN SHEET 1

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ABN 96 130 882 405

Status		
FOR CONSTRUCTION		A0
Project - Drawing No.		Issue
CI30-0-0-01		1

F:\24-1178 Precinct 75\6.0 Drgs\Civil\Final\1000 SERIES - MAIN WORKS\CI30-0-0-01.dwg

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: PAVEMENT PLAN		Drawing No: CI40-0-0-01		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388

LEGEND

PAVEMENT TYPE 1
80mm THICKNESS CONCRETE (25 MPA) ON
20mm THICKNESS ON
COMPACTED SUBGRADE
CONCRETE PAVEMENT TO BE IN ACCORDANCE WITH INNER WEST COUNCIL STANDARD DRAWING F1. REFER TO DRAWING CI15-0-0-01 FOR DETAILS.

PAVEMENT TYPE 2
150mm DEEP ASPHALT WITH AC/0 HOT MIX.
PAVEMENT TO BE IN ACCORDANCE WITH INNER WEST COUNCIL STANDARD DRAWING F1. REFER TO DRAWING CI15-0-0-03 FOR DETAILS.

PAVEMENT TYPE 3
200mm THICKNESS CONCRETE (25MPA) WITH SL72 (CENTRAL) ON
25mm THICKNESS SAND BEDDING ON
COMPACTED SUBGRADE
PAVEMENT TO BE IN ACCORDANCE WITH INNER WEST COUNCIL STANDARD DRAWING F1. REFER TO DRAWING CI15-0-0-03 FOR DETAILS.

PAVEMENT TYPE 4
40mm AC/0 (RESIDENTIAL MIX) ON
30mm AC/0 ON
90mm AC/28 - LOW HEAT
PAVEMENT TO BE IN ACCORDANCE WITH INNER WEST COUNCIL STANDARD DRAWING R8. REFER TO DRAWING CI15-0-0-04 FOR DETAILS.

PAVEMENT TYPE 5
RAISED THRESHOLD TO BE INSTALLED IN ACCORDANCE WITH INNER WEST COUNCIL STANDARD DETAILS.
REFER DRAWING CI15-0-0-05

PAVEMENT TYPE 6
LANDSCAPING - REFER TO DRAWINGS PREPARED BY LANDSCAPE ARCHITECT FOR DETAILS

NOTE:
FOR ALL INTERNAL PAVEMENT REFER TO DRAWINGS PREPARED BY LANDSCAPE ARCHITECT FOR DETAILS AND SPECIFICATIONS.

EDITH STREET
BUILDING 8
BUILDING 7
BUILDING A
BUILDING A
BUILDING B
BUILDING B
MAKERS WAY
BUILDING 1
BUILDING C
BUILDING 2
ROBERTS STREET
ALBION LANE
MARY STREET
ROLF LANE

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	26-03-25

100mm on Original

Bar Scales
0 5 10 15 20m
1 : 200 @ A0

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Client
CORONATION

Scales	1:200	Drawn	ASD
		Designed	ASD
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project
PRECINCT 75
ST PETERS, NSW 2044
MAIN WORKS
CIVIL PACKAGE

Title
PAVEMENT
PLAN
SHEET 1

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

Status: FOR CONSTRUCTION — A0

Project - Drawing No.: CI40-0-0-01 — Issue: 1

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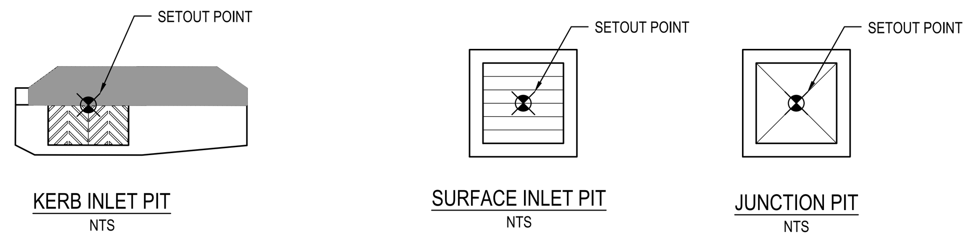
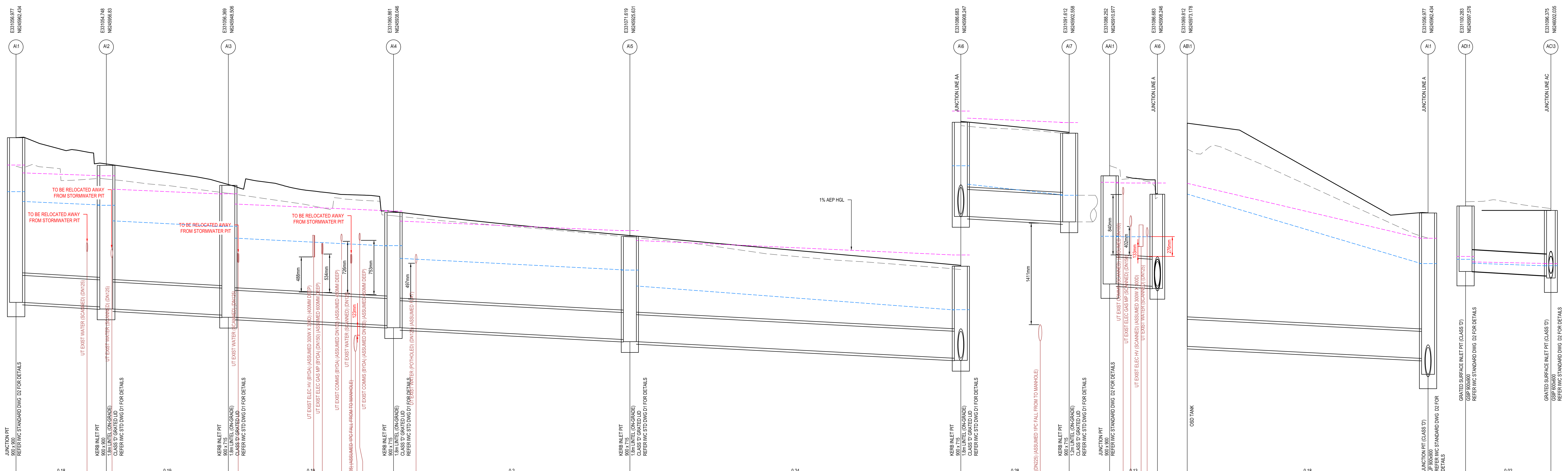
Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: SW LS SH1		Drawing No: CI50-0-0-01		
Rev	Date dd.mm.yy	Description	DP Full Name	Reg No
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388



STORMWATER PIT SETOUT POINTS

NOTE
1. EXISTING SERVICES SHOWN ARE INDICATIVE ONLY.
2. DETAILED POTHOLING IS REQUIRED PRIOR TO COMMENCEMENT OF CONSTRUCTION TO VALIDATE THE DESIGN.
3. ALL EXISTING SERVICES ARE TO BE PROTECTED / RELOCATED TO THE SATISFACTION OF THE RELEVANT AUTHORITY.



LINE A

	A\1		A\2		A\3		A\4		A\5		A\6		A\7
FLOW (m^3/s)		0.18		0.19		0.19		0.2		0.24		0.28	
VELOCITY (m/s)		1.7		1.7		1.8		1.8		2.2		2.6	
PIPE SIZE & CLASS		Ø375 RRJ RCP 4		Ø375 RRJ RCP 4		Ø375 RRJ RCP 4		Ø375 RRJ RCP 4		Ø375 RRJ RCP 4		Ø375 RRJ RCP 4	
GRADE (%)		1%		1%		1%		1%		1%		1%	
Datum R.L	6.00										4.00		
DEPTH TO INVERT	2.260 / 2.260		1.966 / 1.996 / 1.996		1.804 / 1.834 / 1.834		1.571 / 1.601 / 1.601		1.434 / 1.464 / 1.464		1.279 / 1.309 / 1.309		1.233 / 1.233 / 1.233
H.G.L. (5% AEP) LEVEL	10.750 / 10.614		10.565 / 10.560 / 10.344		10.266 / 10.270 / 10.104		9.996 / 10.000 / 9.823		9.663 / 9.660 / 9.439		9.106 / 9.110 / 8.854		8.705 / 8.700 / 8.705
INVERT LEVEL	9.212		9.149 / 9.119		9.034 / 9.004		8.890 / 8.860		8.695 / 8.665		8.435 / 8.405		8.330 / 8.330
TOP OF PIT LEVEL	11.472		11.115		10.838		10.461		10.129		9.714		9.563
EXISTING SURFACE LEVEL	11.104		10.925		10.727		10.414		10.117		9.667		9.553
CHAINAGE	0.000	L=6.275	6.275	L=8.489	14.764	L=11.471	26.236	L=16.429	42.665	L=23.003	65.667	L=7.527	73.194

LINE AA

	AA\1		A\6
FLOW (m^3/s)		0.13	
VELOCITY (m/s)		0.3	
PIPE SIZE & CLASS		Ø375 RRJ RCP 4	
GRADE (%)		1%	
Datum R.L	5.00		
DEPTH TO INVERT	1.501 / 1.501		1.279 / 1.309 / 1.309
H.G.L. (5% AEP) LEVEL	9.130 / 9.124		9.123 / 8.848
INVERT LEVEL	8.469		8.435 / 8.405
TOP OF PIT LEVEL	9.970		9.714
EXISTING SURFACE LEVEL	10.112		9.667
CHAINAGE	0.000	L=3.324	3.324

LINE AB

	AB\1		A\1
FLOW (m^3/s)		0.18	
VELOCITY (m/s)		1.7	
PIPE SIZE & CLASS		Ø375 RRJ RCP 4	
GRADE (%)		1%	
Datum R.L	7.00		
DEPTH TO INVERT	3.226 / 3.226		2.040 / 2.261 / 2.261
H.G.L. (5% AEP) LEVEL	11.717		10.749 / 10.614
INVERT LEVEL	9.600		9.433 / 9.212
TOP OF PIT LEVEL	12.826		11.473
EXISTING SURFACE LEVEL	12.342		11.104
CHAINAGE	0.000	L=16.738	16.738

LINE AD

	AD\1		AC\3
FLOW (m^3/s)		0.02	
VELOCITY (m/s)		0.9	
PIPE SIZE & CLASS		Ø300 uPVC	
GRADE (%)		1%	
Datum R.L	10.00		
DEPTH TO INVERT	0.910 / 0.910		0.909 / 0.939 / 0.939
H.G.L. (5% AEP) LEVEL	13.810 / 13.756		13.698 / 13.719 / 13.719
INVERT LEVEL	13.641		13.580 / 13.550
TOP OF PIT LEVEL	14.551		14.489
EXISTING SURFACE LEVEL	14.610		14.515
CHAINAGE	0.000	L=5.929	5.929

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	26-03-25

100mm on Original

Bar Scales
0 500 1000 1500 2000mm
1 : 20 @ A0
0 2 4 6 8 10m
1 : 100 @ A0

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Client: CORONATION

Scales: 1:20 V 1:100 H
Grid: GDA20 MGA56
Height Datum: AHD
Drawn: RM
Designed: RM
Checked:
Approved: AB

GDA2020

Project: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS CIVIL PACKAGE

Title: STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 1

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

Status: FOR CONSTRUCTION | A0

Project - Drawing No.: CI50-0-0-01 | Issue: 1

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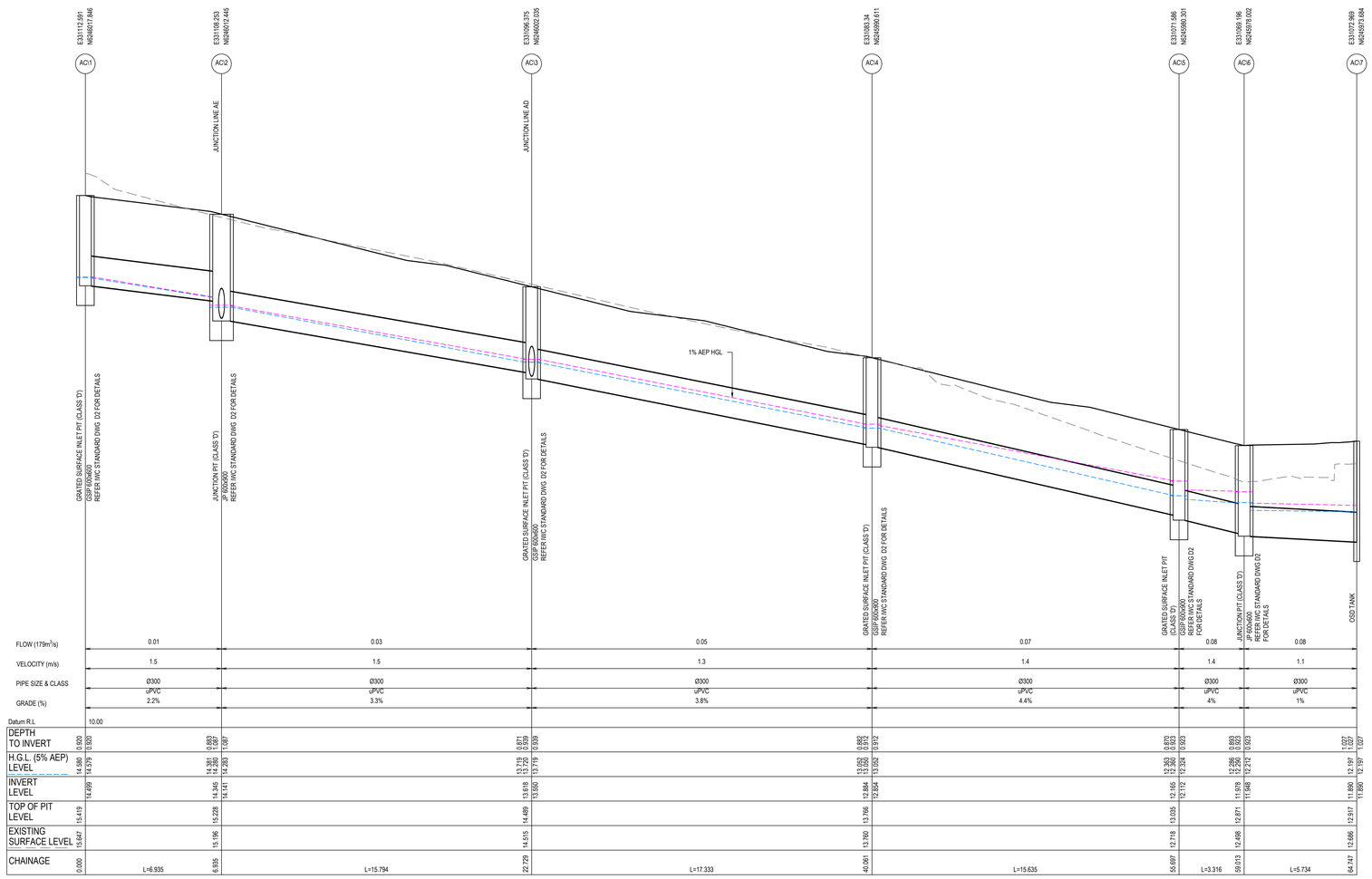
Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: SW LS SH2		Drawing No: CI50-0-0-02		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388

NOTE
1. EXISTING SERVICES SHOWN ARE INDICATIVE ONLY.
2. DETAILED POTHOLING IS REQUIRED PRIOR TO COMMENCEMENT OF CONSTRUCTION TO VALIDATE THE DESIGN.
3. ALL EXISTING SERVICES ARE TO BE PROTECTED / RELOCATED TO THE SATISFACTION OF THE RELEVANT AUTHORITY.


AC1
E331112.591 N6246017.846
GRATED SURFACE INLET PIT (CLASS 'D') GSIP 600x600 REFER IWC STANDARD DWG D2 FOR DETAILS
AC2
E331108.253 N6246012.445
JUNCTION LINE AE
JUNCTION PIT (CLASS 'D') JP 600x600 REFER IWC STANDARD DWG D2 FOR DETAILS
AC3
E331096.375 N6246002.035
JUNCTION LINE AD
GRATED SURFACE INLET PIT (CLASS 'D') GSIP 600x600 REFER IWC STANDARD DWG D2 FOR DETAILS
AC4
E331080.34 N6245990.611
GRATED SURFACE INLET PIT (CLASS 'D') GSIP 600x600 REFER IWC STANDARD DWG D2 FOR DETAILS
AC5
E331071.596 N6245980.301
GRATED SURFACE INLET PIT GSIP 600x600 REFER IWC STANDARD DWG D2 FOR DETAILS
AC6
E331069.196 N6245978.002
JUNCTION PIT (CLASS 'D') JP 600x600 REFER IWC STANDARD DWG D2 FOR DETAILS
AC7
E331072.969 N6245973.684
OSD TANK
1% AEP HGL
AE1
E331093.516 N6246033.63
JUNCTION LINE AF
GRATED SURFACE INLET PIT (CLASS 'D') GSIP 600x600 REFER IWC STANDARD DWG D2 FOR DETAILS
AE2
E331103.31 N6246021.314
GRATED SURFACE INLET PIT (CLASS 'D') GSIP 600x600 REFER IWC STANDARD DWG D2 FOR DETAILS
AE3
E331107.636 N6246014.7
GRATED SURFACE INLET PIT (CLASS 'D') GSIP 600x600 REFER IWC STANDARD DWG D2 FOR DETAILS
AC2
E331108.253 N6246012.445
JUNCTION LINE AC
GRATED SURFACE INLET PIT (CLASS 'D') GSIP 600x600 REFER IWC STANDARD DWG D2 FOR DETAILS
AF1
E331094.141 N6246041.473
GRATED SURFACE INLET PIT (CLASS 'D') GSIP 600x600 REFER IWC STANDARD DWG D2 FOR DETAILS
AE1
E331093.516 N6246033.63
JUNCTION LINE AE
GRATED SURFACE INLET PIT (CLASS 'D') GSIP 600x600 REFER IWC STANDARD DWG D2 FOR DETAILS
FLOW (179m³/s)
VELOCITY (m/s)
PIPE SIZE & CLASS
GRADE (%)
Datum R.L
DEPTH TO INVERT
H.G.L. (5% AEP) LEVEL
INVERT LEVEL
TOP OF PIT LEVEL
EXISTING SURFACE LEVEL
CHAINAGE
0.01 0.03 0.05 0.07 0.08 0.08
1.5 1.5 1.3 1.4 1.4 1.1
Ø300 uPVC 2.2% Ø300 uPVC 3.3% Ø300 uPVC 3.8% Ø300 uPVC 4.4% Ø300 uPVC 4% Ø300 uPVC 1%
10.00
0.020 0.000 0.893 0.873 0.897 0.877 0.874 0.854 0.939 0.919 0.892 0.872 0.912 0.892 0.923 0.903 0.933 0.913 1.027 1.007 1.027 1.007
14.580 14.560 14.379 14.381 14.280 14.283 13.728 13.719 13.719 13.702 13.152 13.052 13.052 12.363 12.324 12.266 12.266 12.212 12.197 12.197
14.499 14.479 14.345 14.141 13.618 13.550 12.884 12.864 12.165 12.112 13.035 11.978 12.871 11.948 11.893 11.860 12.917 11.890
15.419 15.229 14.489 13.760 13.035 12.871 12.917
15.647 15.196 14.515 13.760 12.718 12.498 12.686
0.000 L=6.935 6.935 L=15.794 22.729 L=17.333 40.061 L=15.635 55.697 L=3.316 59.013 L=5.734 64.747
11.00
0.981 0.961 1.007 1.037 1.037 1.084 1.074 1.074 1.058 1.088 1.068
14.610 14.615 14.414 14.414 14.326 14.330 14.326 14.283
14.500 14.396 14.308 14.296 14.196 14.171 14.333
15.481 15.343 15.270 15.223
15.583 15.430 15.341 15.196
0.000 L=16.377 16.377 L=7.909 24.286 L=2.416 26.701
11.00
0.908 0.908 0.952 0.932 0.982 0.962
14.700 14.704 14.615 14.615
14.672 14.550 14.615 14.500
15.520 15.482
15.657 15.583
0.000 L=8.139 8.139
LINE AC
LINE AE
LINE AF

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	26-03-25

100mm on Original

Bar Scales
0 500 1000 1500 2000mm
1 : 20 @ A0
0 2 4 6 8 10m
1 : 100 @ A0

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Client: CORONATION

Scales	1:20 V 1:100 H	Drawn	RM
		Designed	RM
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS CIVIL PACKAGE

Title: STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 2

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 86 130 882 405

Status: FOR CONSTRUCTION | A0

Project - Drawing No.: CI50-0-0-02 | Issue: 1

F:\24-1178 Precinct 75\6.0 Drgs\Civil\Final\1000 SERIES - MAIN WORKS\CI50-0-0-02.dwg

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: WSUD PLAN		Drawing No: CI50-0-0-04		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388

LEGEND

ROOF (ROOF - 100% IMP.)
0.5937 ha
TO OCEANGUARD/STORMFILTERS
(REFER TO HYDRAULICS DRAWINGS FOR DETAILS)

ROOF STAGE 2 (ROOF - 100% IMP.)
0.2505 ha
TO OCEANGUARD/STORMFILTERS
(REFER TO HYDRAULICS DRAWINGS FOR DETAILS)

PAVED AREA (100% IMP.)
0.1117 ha
TO OCEANGUARD/STORMFILTERS
(REFER TO HYDRAULICS DRAWINGS FOR DETAILS)

PLANTER AREA (0% IMP.)
0.0308 ha
TO OCEANGUARD/STORMFILTERS
(REFER TO HYDRAULICS DRAWINGS FOR DETAILS)

MAKERS WAY (100% IMP.)
0.0759 ha
TO OCEANGUARD/STORMFILTERS

THE COMMONS - LANDSCAPE (0% IMP.)
0.0830 ha
TO OCEANGUARD/STORMFILTERS

THE MEWS - MIXED AREA (60% IMP.)
0.0407 ha
TO OCEANGUARDS/STORMFILTERS

BYPASS - MAKERS WAY - PAVED AREA (100% IMP.)
0.0168 ha

BYPASS - RAMP - PAVED AREA (100% IMP.)
0.0467 ha

BYPASS - RAMP - PLANTER AREA (0% IMP.)
0.0177 ha

BYPASS - EXISTING BLDG (100% IMP.)
0.1119 ha

BYPASS - EXISTING PROPERTY(100% IMP.)
0.0269 ha

BYPASS - DOG PARK(0% IMP.)
0.0870 ha

BYPASS - OVERLAND FLOW PATH (0% IMP.)
0.0314 ha

EDITH STREET
EDITH STREET
ROBERTS STREET
MARY STREET
MARY STREET
ALBION LANE
ROLF LANE
MAKERS WAY
PROPOSED OVERLAND FLOW PATH SWALE
PROPOSED STAGE 2
PROPOSED STAGE 1
BUILDING 1
BUILDING 2
BUILDING 6
BUILDING 7
BUILDING 8
BUILDING A
BUILDING B
BUILDING C

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	26-03-25

100mm on Original

Bar Scales
0 5 10 15 20m
1 : 200 @ A0

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Client: CORONATION

Scales: 1:200
Grid: GDA20 MGA56
Height Datum: AHD
Drawn: RM
Designed: RM
Checked:
Approved: AB
GDA2020

Project: PRECINCT 75
ST PETERS, NSW 2044
MAIN WORKS
CIVIL PACKAGE

Title: STORMWATER DRAINAGE
WSUD
CATCHMENT PLAN

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

Status: FOR CONSTRUCTION
A0
Project - Drawing No.: CI50-0-0-04
Issue: 1

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Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: SW CALC 1		Drawing No: CI50-0-0-05		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388

LEGEND

EXISTING

- A\1 — STORMWATER CATCHMENT
- A\1 — STORMWATER CATCHMENT EXTERNAL
- 10.00 — LIDAR CONTOURS

EXTERNAL CATCHMENT TO OVERLAND FLOW PATH

EDITH STREET

AC\1 0.0008ha

BUILDING 7

AE\1 0.0260ha

AE\2 0.0068ha

AC\1 0.0163ha

BUILDING 8

BUILDING A

CATCHMENT TO OSD TANK REFER TO HYDRAULICS DRAWINGS 0.6488ha

AC\4 0.0326ha

AE\3 0.0080ha

AD\1 0.0830ha

BUILDING 6

MAKERS WAY

BUILDING B

UNWINS BRIDGE ROAD

ROOF CATCHMENT TO OSD TANK REFER TO HYDRAULICS DRAWINGS 0.3383ha

OVERLAND FLOW PATH AND THE GARDEN BYPASS TO EXISTING CHANNEL 0.1184ha

ROBERTS STREET

AC\5 0.0270ha

BUILDING C

EXISTING PROPERTY BYPASS TO ST. MARY STREET 0.0269ha

A\1 0.0164ha

BUILDING 1

BYPASS TO ST. MARY STREET BUILDING 2ha

A\2 0.0172ha

A\3 0.0052ha

A\4 0.0080ha

A\5 0.0097ha

A\6 0.0129ha

A\7 0.0037ha

MARY STREET

ALBION LANE

ROLF LANE

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	26-03-25

100mm on Original

Bar Scales

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Client: CORONATION

Scales: 1:300

Grid: GDA20 MGA56

Height Datum: AHD

GDA2020

Drawn	RM
Designed	RM
Checked	
Approved	AB

Project: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS CIVIL PACKAGE

Title: STORMWATER DRAINAGE CALCULATION CATCHMENT PLAN

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

Status: FOR CONSTRUCTION — A0

Project - Drawing No.: CI50-0-0-05 — Issue: 1

F:\24-1178 Precinct 75\6.0 Drgs\Civil\Final\1000 SERIES - MAIN WORKS\CI50-0-0-05.dwg

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: SW CALC 2		Drawing No: CI50-0-0-06		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388

ILSAX CALCULATION SUMMARY SHEET

DRAINS results prepared from Version 2024.07.8959.15835

Soil Type User to enter

AMC User to enter

Entire Catchment Area
Paved 1.229 ha (39.6%
Supplementary 0 ha (0%
Grassed 1.872 ha (60.3%
Total Area 3.101 ha

LOCATION AND LAND-USE					TIME AND RUNOFF				INLET DESIGN						PIPE SYSTEM DESIGN										PIT RESULTS				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
AEP	Pit, Node or Basin Name	Sub-Catchment Area (ha)	Land-Use Type (ILSAX)	Percent-age (%)	Constant Flow Time (minutes)	Kinematic Wave or Friends Formula Parameters Length (m)	Slope (%)	Roughness n	Time, tc (minutes)	Total Peak Sub-Catchment Flow (m3/s) *worst storm	Origin of Flowrate Flows	Approach Flowrate(s)	Overflows Peak Width (m3/s)	Approaching Pit Flow (m)	Depth x Velocity (m2/s)	Inlet Family	Inlet Size	Peak Approach Flow (m3/s)	Bypass Flow in Flow(s) (m3/s)	Peak Pipe Flow (m3/s)	Reach Length (m)	Pipe Slope (%)	Pipe Diameter (mm)	U/S Pipe Invert Level (m)	D/S Pipe Invert Level (m)	U/S HGL in Pipe (m)	D/S HGL in Pipe (m)	Pipe Flow (m/s)	Pressure Change Coeff: Ku	Water Surface Elevation (m)	Ground Surface Level (m)	Pit Free-board (m)	Pit Name	Remarks
	Bypass 1	0.1119	Paved	90	5				5	0.05							0.05	0.05											11.02	11		Bypass 1	
			Supp.	0	0																												
			Grassed	10	10				10																								
	Bypass 2	0.0644	Paved	90	5				5	0.029							0.029		0.029	1	1	250	8.507	8.497	9.13	9.129	0.63		9.13	11		Bypass 2	
			Supp.	0	0																												
			Grassed	10	10				10																								
	AA\1		Paved												Junction Pit	JP 900x900	0	0	0.028	3.29	1	375	8.468	8.435	9.126	9.125	0.26	1.2	9.13	9.97	0.84	AA\1	
			Supp.																														
			Grassed																														
	A\6	0.0129	Paved	90	5				5	0.006	AA\1	0	0	0	Kerb Inlet Pit 400x900, 2% grade, 2% xfall	KIP 400x900 1.8m Lintel	0.006	0	0.282	7.527	1	375	8.405	8.33	8.855	8.705	2.56	0.8	9.12	9.714	0.59	A\6	
			Supp.	0	0						A\5	0	0	0																			
			Grassed	10	10				10																								
	N PreDev	1.524	Paved	0	5				5	0.426							0.426												16		N PreDev	
			Supp.	0	0																												
			Grassed	100	10				10																								
	N Bypass3	0.1453	Paved	10	5				5	0.041							0.041												16		N Bypass3	
			Supp.	0	0																												
			Grassed	90	10				10																								
	AC\1	0.0163	Paved	90	5				5	0.007					Surface Inlet Pit, 0.5% grade	SIP 600x600	0.007	0	0.007	6.935	2.22	300	14.499	14.345	14.579	14.381	1.5	5.9	14.58	15.419	0.84	AC\1	
			Supp.	0	0																												
			Grassed	10	10				10																								
	AC\2		Paved								AC\1	0.008	3.14	0	Junction Pit	JP 600x900	0.008	0	0.022	15.794	3.3	300	14.139	13.618	14.254	13.705	1.3	1.5	14.25	15.228	0.97	AC\2	
			Supp.								AE\3																						
			Grassed																														
	AC\3		Paved								AC\2	0.002	0.27	0.02	Surface Inlet Pit, 0.5% grade	SIP 600x600	0	0	0.044	17.333	3.84	300	13.55	12.884	13.705	13.039	1.18	1.2	13.7	14.489	0.78	AC\3	
			Supp.																														
			Grassed																														
	AC\4	0.0326	Paved	90	5				5	0.015	AC\3	0.003	0.31	0.02	Surface Inlet Pit, 0.5% grade	SIP 600x900	0.015	0	0.055	18.512	4.48	300	12.854	12.025	13.034	12.277	1.22	1.4	13.04	13.766	0.73	AC\4	
			Supp.	0	0						AD\1																						
			Grassed	10	10				10																								
	AC\5	0.027	Paved	90	5				5	0.012	AC\4	0.005	0.38	0.02	Surface Inlet Pit, 0.5% grade	SIP 600x600	0.012	0.001	0.066	3.584	1	300	11.986	11.95	12.202	12.194	1.19	1.9	12.28	12.891	0.61	AC\5	
			Supp.	0	0																												
			Grassed	10	10				10																								
	A\1	0.0164	Paved	90	5				5	0.007	AC\5	0.016	1.31	0.04	Junction Pit	JP 900x900	0.018	0.008	0.184	6.275	1	375	9.212	9.149	10.623	10.574	1.67	1	10.76	11.494	0.74	A\1	
			Supp.	0	0						OSD 1																						
			Grassed	10	10				10																								
	A\2	0.0172	Paved	90	5				5	0.008	A\1	0.001	0	0	Kerb Inlet Pit 400x900, 3% grade, 2% xfall	KIP 400x900 1.8m Lintel	0.009	0	0.192	8.489	1	375	9.119	9.034	10.356	10.278	1.74	1.4	10.57	11.115	0.54	A\2	
			Supp.	0	0																												
			Grassed	10	10				10																								
	A\3	0.0053	Paved	90	5				5	0.002	A\2	0	0	0	Kerb Inlet Pit 400x900, 6% grade, 2% xfall	KIP 400x900 1.8m Lintel	0.002	0	0.194	11.471	0.99	375	9.004	8.89	10.111	10.003	1.76	1.1	10.28	10.838	0.56	A\3	
			Supp.	0	0																												
			Grassed	10	10				10																								
	A\4	0.008	Paved	90	5				5	0.004	A\3	0	0	0	Kerb Inlet Pit 400x900, 2% grade, 2% xfall	KIP 400x900 1.8m Lintel	0.004	0	0.198	16.429	1	375	8.86	8.695	9.83	9.67	1.79	1.1	10	10.461	0.46	A\4	
			Supp.	0	0																												
			Grassed	10	10				10																								
	A\5	0.0097	Paved	90	5				5	0.004	Bypass 1	0.05	4	0.03	Kerb Inlet Pit 400x900, 2% grade, 2% xfall	KIP 400x900 1.8m Lintel	0.054	0.011	0.239	23.003	1	375	8.665	8.435	9.452	9.125	2.16	0.9	9.67	10.129	0.46	A\5	
			Supp.	0	0						A\4	0	0	0																			
			Grassed	10	10				10																								
	AD\1	0.083	Paved	10	5				5	0.023					Surface Inlet Pit, 0.5% grade	SIP 900x900	0.023	0.001		5.929	1.03	300	13.641	13.58				5.9	13.8	14.551	0.75	AD\1	
			Supp.	0	0																												
			Grassed	90	10				10																								
	AF\1	0.026	Paved	60	5				5	0.01					Surface Inlet Pit, 0.5% grade	SIP 600x600	0.01	0		8.139	1.01	300	14.61	14.528				5.9	14.69	15.516	0.82	AF\1	
			Supp.	0	0																												
			Grassed	40	10				10																								
	AE\1		Paved								AF\1				Surface Inlet Pit, 0.5% grade	SIP 600x600	0	0		16.377	1	300	14.498	14.334				0.7	14.57	15.481	0.91	AE\1	
			Supp.																														
			Grassed																														
	AE\2	0.0068	Paved	90	5				5	0.003	AE\1				Surface Inlet Pit, 0.5% grade	SIP 600x600	0.003	0		7.909	1.01	300	14.304	14.224				1.3	14.39	15.369	0.98	AE\2	
			Supp.	0	0																												
			Grassed	10	10				10																								
	AE\3	0.008	Paved	90	5				5	0.004	AE\2				Surface Inlet Pit Sag	SIP 600x600	0.004	0		2.416	1.03	300	14.194	14.169				1.3	14.29	15.324	1.03	AE\3	
			Supp.	0	0																												
			Grassed	10	10				10																								
	OSD 1	0.9872	Paved	90	5				5	0.439							0.439	0		16.738	1	375	9.6	9.433								OSD 1	
			Supp.	0	0																												
			Grassed	10	10				10																								

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	26-03-25

100mm on Original

Bar Scales

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Client: CORONATION

Scales	NTS	Drawn	RM
		Designed	RM
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project: PRECINCT 75
ST PETERS, NSW 2044
MAIN WORKS
CIVIL PACKAGE

Title: STORMWATER DRAINAGE CALCULATION

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

Status: FOR CONSTRUCTION | A0

Project - Drawing No.: CI50-0-0-06 | Issue: 1

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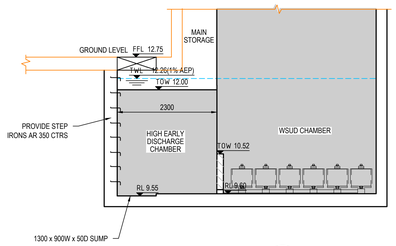
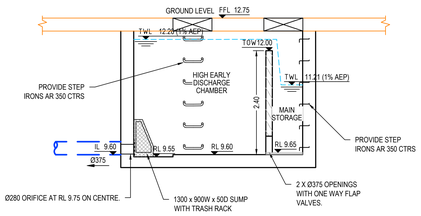
Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: SW OSD		Drawing No: CI50-0-3-01		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388

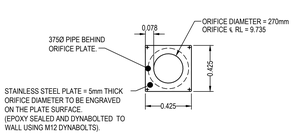


SECTION 01
1 : 50

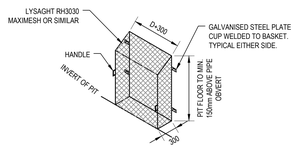


SECTION 02
1 : 50

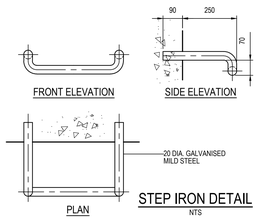
SECTION 03
1 : 50



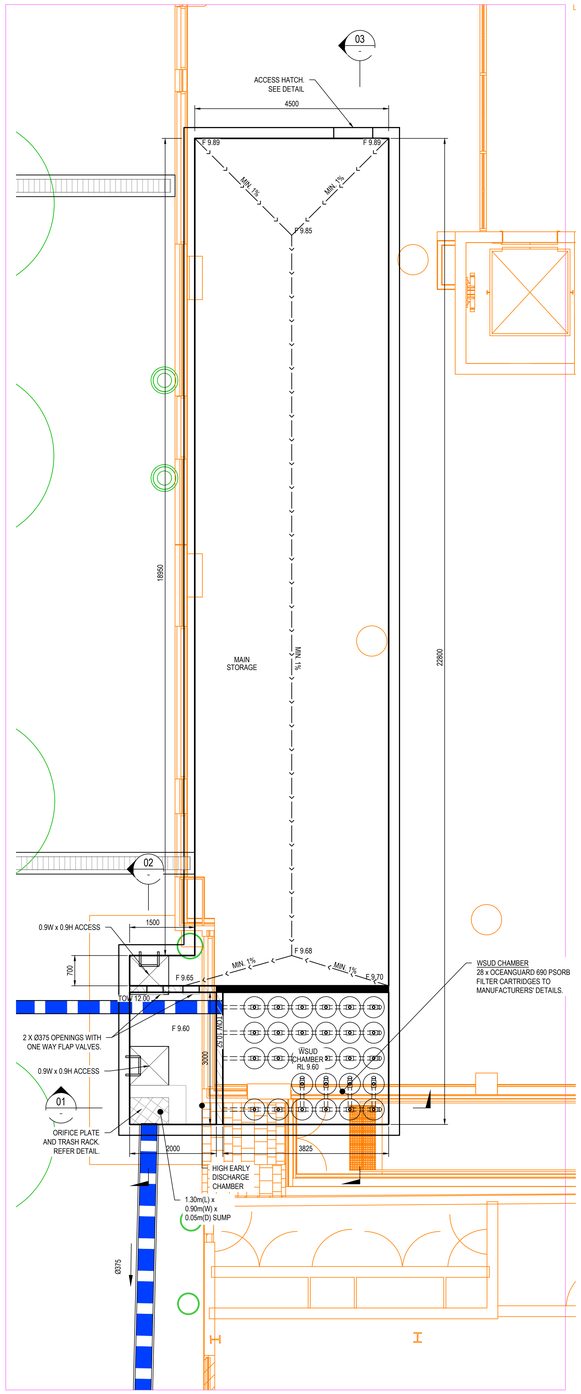
ORIFICE PLATE DETAIL
1 : 20



SCREEN MESH DETAILS
NOT TO SCALE

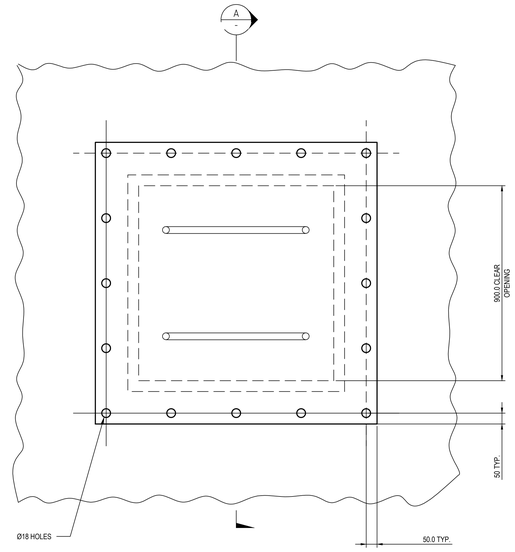


STEP IRON DETAIL
NTS

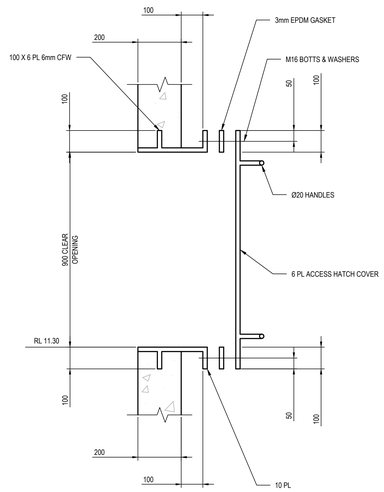


PLAN
SCALE 1 : 50

OSD - SIDE ACCESS HATCH



ELEVATION
SCALE 1:10

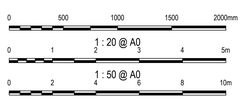


SECTION XX
1 : 10

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	26-03-25

100mm on Original

Bar Scales



1 : 100 @ A0

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Client

CORONATION

Scales	AS SHOWN	Drawn	RM
		Designed	RM
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project
PRECINCT 75
ST PETERS, NSW 2044
MAIN WORKS
CIVIL PACKAGE

Title
STORMWATER DRAINAGE
OSD PLAN
SECTIONS AND DETAILS

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney
NSW 2060
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E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

Status: FOR CONSTRUCTION
A0

Project - Drawing No.: CI50-0-3-01
Issue: 1

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Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: ERSED PLAN		Drawing No: CI60-0-0-01		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388

LEGEND

- SEDIMENT FENCE (SD 6-8)
- CATCH DRAIN
- BARRIER FENCE
- STRAW BALE FILTER (SD 6-7)
- MESH AND GRAVEL INLET FILTER (SD 6-11)
- GEOTEXTILE INLET FILTER (SD 6-12)
- STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA (SD 6-14)
- PROPOSED SITE ACCESS GATE
- EXTENTS OF BASEMENT EXCAVATION
- TREE PROTECTION FENCE. REFER ARBORIST DRAWINGS PREPARED BY ELKE FOR DETAILS
- EXISTING TREE TO BE REMAIN AND PROTECTED. REFER ARBORIST DRAWINGS PREPARED BY ELKE FOR DETAILS

NOTES:
1. FOR EROSION AND SEDIMENTATION CONTROL DETAILS REFER DWG CI60-0-0-02.
2. WHERE EXISTING DOWNPIPES CONNECTIONS ARE RECONSTRUCTED TO GRATED INLET PITS, PROVIDE GEOTEXTILE INLET TREATMENTS (SD 6-12).
3. ALL SEDIMENT AND EROSION CONTROL MEASURES TO BE IN ACCORDANCE WITH 'MANAGING URBAN STORMWATER, SOIL AND CONSTRUCTION VOLUME 1 (2004) BY LANDCOM.
4. ALL SEDIMENT AND CONTROL MEASURES TO BE IN ACCORDANCE WITH APPROVED CONTRACTORS ENVIRONMENT MANAGEMENT PLAN.
5. PROVIDE CONTROL MEASURES TO DIRECT RUNOFF AWAY FROM EXCAVATIONS AND DISTURBED AREAS. CONTROL MEASURES ARE TO BE PROVIDED IN ACCORDANCE WITH THE BLUE BOOK AND MONITORED TO ENSURE CONTROLS ARE BEING ADEQUATELY MAINTAINED.
6. THE LOCATION OF ALL STOCKPILED CONSTRUCTION MATERIALS AND CONSTRUCTION WASTE TO BE ISOLATED FROM STORMWATER FLOWS AND EXISTING STORMWATER SYSTEMS.

PROVIDE SEDIMENT FENCE
BARRIER FENCE (TYP).
EDITH STREET
PROVIDE SEDIMENT FENCE
PROVIDE STAW BALE FILTERS AT 20m CENTRES (TYP).
BUILDING 7
MAKERS WAY
CONTRACTOR TO PROVIDE SEDIMENTATION AND EROSION CONTROL MEASURE WITHIN BASEMENT EXCAVATION
1
BUILDING 6
ROBERTS STREET
1
BUILDING 1
MAKERS WAY
SEDIMENT BASIN FOR WATER WITHIN EXCAVATION (WITH SILT BUSTER)
BUILDING 2
PROVIDE SEDIMENT FENCE
MARY STREET
PROVIDE SEDIMENT FENCE
MARY STREET

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	26-03-25

100mm on Original

Bar Scales

0 5 10 15 20m

1 : 200 @ A0

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Client: CORONATION

Scales	1:300	Drawn	ASD
		Designed	ASD
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS CIVIL PACKAGE

Title: EROSION AND SEDIMENT CONTROL PLAN

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

Status: FOR CONSTRUCTION — A0

Project - Drawing No.: CI60-0-0-01 — Issue: 1

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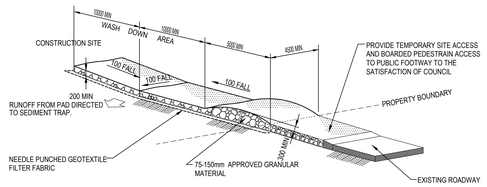
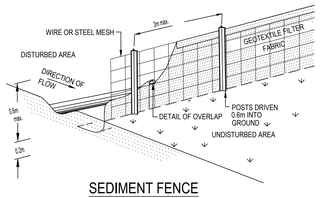
Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No:: -		
Drawing Title: ERSED DETAILS		Drawing No: CI60-0-0-02		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388



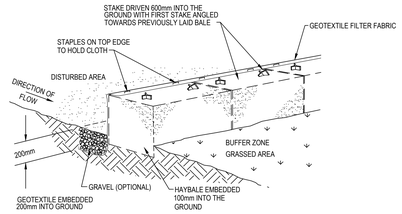
STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA

NTS



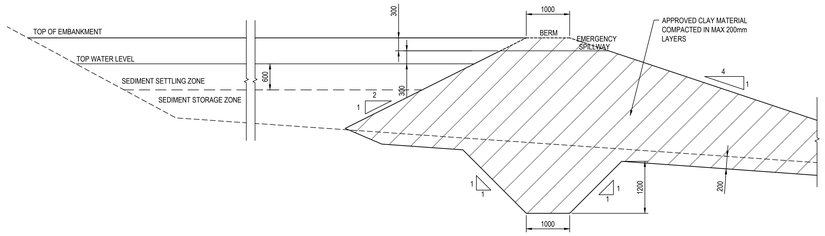
SEDIMENT FENCE

NTS



HAYBALE AND GEOTEXTILE SEDIMENT FILTER

NTS



SEDIMENT BASIN TYPICAL CROSS SECTION

NTS

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	26-03-25

100mm on Original

Bar Scales

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Client

CORONATION

Scales	NTS	Drawn	ASD
		Designed	ASD
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project

PRECINCT 75
ST PETERS, NSW 2044
MAIN WORKS
CIVIL PACKAGE

Title

EROSION AND SEDIMENT CONTROL DETAILS

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

Status		
FOR CONSTRUCTION		A0
Project - Drawing No.		Issue
CI60-0-0-02		1

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Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

Regulated Design Record			
Project Address: 67 & 73 EDITH ST, ST PETERS			
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS			
Consent No: DA/2021/0800		Body Corporate Reg No: -	
Drawing Title: ROAD ALGN. PLAN		Drawing No: CI70-0-0-01	
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388

MK02 (LIP OF KERB) SETOUT TABLE

PT	CHAINAGE	EASTING	NORTHING	BEARING
IP 1	0.000	331214.381	6245942.700	319°07'12.15"
IP 2	6.295	331210.262	6245947.460	
IP 3	9.555	331208.143	6245949.938	
IP 4	10.283	331207.656	6245950.479	
IP 5	18.974	331201.953	6245957.038	
IP 6	22.935	331199.346	6245960.020	
IP 7	24.890	331198.078	6245961.507	
IP 8	35.108	331191.362	6245969.208	
IP 9	45.875	331184.297	6245977.333	
IP 10	55.182	331178.196	6245984.361	
IP 11	62.877	331173.146	6245990.167	
IP 12	68.430	331169.514	6245994.367	
IP 13	73.180	331166.412	6245997.966	
IP 14	80.397	331161.688	6246003.421	
IP 15	87.145	331157.255	6246008.508	
IP 16	97.421	331150.520	6246016.270	
IP 17	107.294	331144.082	6246023.756	
IP 18	116.368	331138.161	6246030.631	
IP 19	122.716	331133.981	6246035.408	
IP 20	125.274	331132.296	6246037.334	
IP 21	135.218	331125.792	6246044.855	
IP 22	144.666	331119.620	6246052.008	
IP 23	152.509	331114.473	6246057.927	
IP 24	156.764	331111.689	6246061.144	
IP 25	161.440	331108.596	6246064.652	
IP 26	161.559	331108.521	6246064.743	
IP 27	165.972	331105.627	6246068.076	
IP 28	166.481	331105.293	6246068.460	319°00'32.74"

SW01 SETOUT TABLE

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	-5.178	331212.435	6245941.016	260°30'16.12"			
IP 2	0.000	331207.328	6245940.162				
IP 3	0.376	331206.952	6245940.172				
IP 4	1.784	331205.333	6245940.217		R = -2.278	2.816	70°49'45.34"
IP 5	3.192	331204.759	6245938.703				
IP 6	6.366	331203.558	6245935.535		R = 7.337	6.347	49°33'52.39"
CC	9.540	331200.369	6245934.394	250°19'22.85"			
IP 7	12.109	331197.844	6245933.491		R = -7.285	5.139	40°24'53.88"
CC	14.678	331196.507	6245931.167	209°54'28.97"			
IP 8	17.011	331195.302	6245929.073		R = 7.285	4.665	36°41'29.59"
CC	19.343	331193.085	6245928.114	246°35'58.55"			
IP 9	21.589	331190.957	6245927.193		R = -7.285	4.491	35°19'05.10"
CC	23.834	331189.753	6245925.211	211°16'53.46"			
IP 10	26.153	331188.506	6245923.159		R = 7.285	4.638	36°28'38.90"
CC	28.472	331186.284	6245922.250	247°45'32.35"			
IP 11	31.008	331183.869	6245921.262		R = -8.738	5.072	33°15'27.89"
IP 12	33.544	331182.390	6245919.112				
IP 13	35.332	331181.357	6245917.608		R = 7.285	3.577	28°07'59.19"
IP 14	37.121	331179.735	6245916.769				
IP 15	39.339	331177.703	6245915.716		R = -7.285	4.435	34°53'02.03"
CC	41.556	331176.637	6245913.691	207°45'01.63"			
IP 16	44.027	331175.440	6245911.416		R = 7.285	4.942	38°52'09.10"
CC	46.498	331173.081	6245910.396	246°37'10.73"			
IP 17	49.278	331170.398	6245909.236		R = -7.285	5.560	43°43'39.81"
CC	52.058	331169.261	6245906.543	202°53'30.92"			
IP 18	53.406	331168.733	6245905.294		R = 9.758	2.695	15°49'30.41"
CC	54.753	331167.885	6245904.236	218°43'01.33"			
IP 19	57.604	331165.988	6245901.869		R = -6.745	5.700	48°25'20.72"
CC	60.454	331166.499	6245898.880	170°17'40.62"			
IP 20	64.378	331167.171	6245894.951		R = -18.264	7.849	24°37'22.49"
IP 21	68.303	331169.419	6245891.659	145°40'18.12"			

MK01 (RCL) SETOUT TABLE

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	331025.850	6245992.377	139°59'35.01"			
TC	33.051	331047.098	6245967.060	139°59'35.01"			
IP 2	35.581	331048.760	6245965.081		R = 10.000	5.059	28°59'02.91"
CT	38.110	331049.254	6245962.543	168°58'37.92"			
TC	56.454	331052.761	6245944.538	168°58'37.92"			
IP 3	59.062	331053.272	6245941.918		R = -10.000	5.216	29°53'14.08"
CT	61.671	331055.019	6245939.901	139°05'23.84"			
IP 4	136.459	331103.997	6245883.380	139°05'23.84"			
IP 1	0.000	331025.850	6245992.377	139°59'35.01"			
TC	33.051	331047.098	6245967.060	139°59'35.01"			
IP 2	35.581	331048.760	6245965.081		R = 10.000	5.059	28°59'02.91"
CT	38.110	331049.254	6245962.543	168°58'37.92"			
TC	56.454	331052.761	6245944.538	168°58'37.92"			
IP 3	59.062	331053.272	6245941.918		R = -10.000	5.216	29°53'14.08"
CT	61.671	331055.019	6245939.901	139°05'23.84"			
IP 4	136.459	331103.997	6245883.380	139°05'23.84"			

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	26-03-25

100mm on Original

Bar Scales

0 5 10 15 20m

1 : 200 @ A0

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Client: CORONATION

Scales		Drawn	ASD
	1:200	Designed	ASD
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS CIVIL PACKAGE

Title: PUBLIC DOMAIN CONTROL ALIGNMENT PLAN SHEET 1

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Status: FOR CONSTRUCTION | A0

Project - Drawing No.: CI70-0-0-01 | Issue: 1

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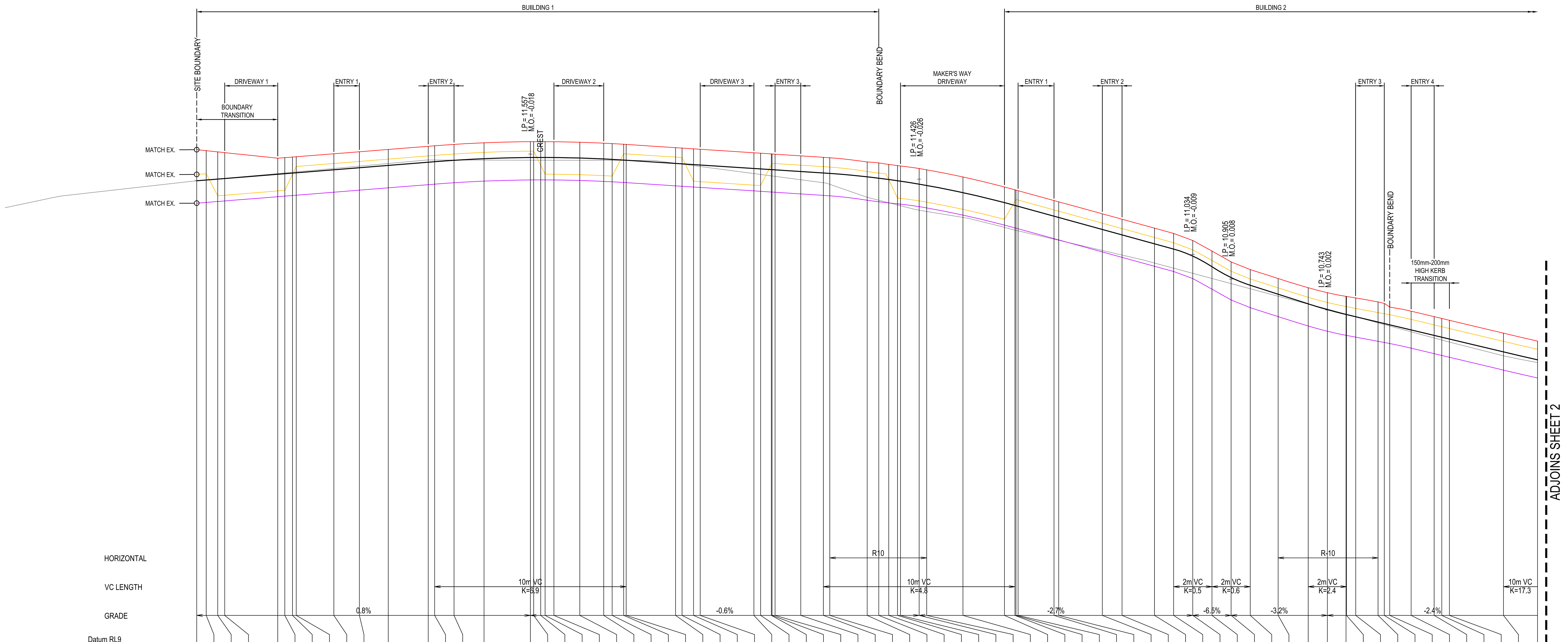
Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: MK01 LS SH1		Drawing No: CI70-0-0-05		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388



CHAINAGE	PROPOSED RCL LEVEL (MK01)	PROPOSED KERB INVERT LEVEL	PROPOSED KERB TOP LEVEL	PROPOSED BOUNDARY LEVEL	EXISTING RCL LEVEL (MK01)	
0.000	11.418	11.301	11.451	11.580	11.418	TP
0.497	11.422	11.305	11.455	11.575	11.422	
1.097	11.427	11.310	11.340	11.568	11.427	
1.461	11.430	11.313	11.343	11.565	11.431	
4.231	11.452	11.335	11.365	11.535	11.456	
4.597	11.455	11.338	11.368	11.538	11.459	
5.000	11.458	11.341	11.451	11.542	11.463	
5.197	11.459	11.342	11.492	11.543	11.464	
7.159	11.475	11.358	11.508	11.559	11.482	
8.495	11.486	11.369	11.519	11.569	11.494	
10.000	11.498	11.381	11.531	11.581	11.508	
12.087	11.515	11.398	11.548	11.598	11.526	
12.421	11.517	11.400	11.550	11.600	11.526	
13.434	11.525	11.407	11.557	11.607	11.526	
15.000	11.533	11.416	11.566	11.616	11.526	
17.421	11.539	11.422	11.572	11.622	11.525	
17.589	11.539	11.422	11.572	11.622	11.525	
17.957	11.539	11.422	11.499	11.622	11.525	
18.189	11.539	11.422	11.452	11.622	11.525	
18.648	11.539	11.422	11.452	11.622	11.525	
20.000	11.536	11.419	11.449	11.619	11.525	
21.248	11.532	11.414	11.444	11.614	11.524	
21.689	11.529	11.412	11.442	11.612	11.524	
22.290	11.526	11.409	11.559	11.608	11.524	
22.421	11.525	11.408	11.558	11.607	11.524	
25.000	11.508	11.391	11.541	11.590	11.509	
25.338	11.506	11.389	11.539	11.588	11.505	
25.938	11.502	11.385	11.415	11.584	11.497	
26.285	11.500	11.383	11.413	11.582	11.492	
29.090	11.482	11.365	11.395	11.564	11.455	
29.438	11.480	11.363	11.393	11.562	11.451	
30.000	11.476	11.359	11.502	11.558	11.443	
30.038	11.476	11.359	11.509	11.558	11.443	
30.191	11.475	11.358	11.508	11.557	11.441	TP
31.534	11.466	11.349	11.499	11.548	11.423	
32.714	11.459	11.342	11.492	11.540	11.407	
33.051	11.456	11.339	11.489	11.538	11.399	
35.000	11.438	11.316	11.466	11.516	11.331	
35.606	11.431	11.308	11.458	11.511	11.313	TP
36.126	11.424	11.302	11.423	11.503	11.299	
36.583	11.418	11.298	11.328	11.497	11.288	
36.741	11.416	11.296	11.326	11.495	11.284	
37.714	11.400	11.283	11.313	11.482	11.264	
38.110	11.393	11.276	11.306	11.475	11.257	
40.000	11.356	11.239	11.269	11.438	11.227	
42.169	11.304	11.187	11.217	11.385	11.175	
42.714	11.289	11.172	11.311	11.371	11.161	
42.769	11.287	11.170	11.320	11.369	11.159	
42.878	11.284	11.167	11.317	11.366	11.157	
44.755	11.233	11.116	11.266	11.315	11.113	
45.000	11.226	11.109	11.259	11.308	11.107	
47.279	11.164	11.047	11.197	11.245	11.054	
48.309	11.135	11.018	11.168	11.217	11.030	
50.000	11.089	10.972	11.122	11.171	10.989	
51.000	11.061	10.944	11.094	11.143	10.962	
52.000	11.025	10.908	11.058	11.106	10.935	
53.000	10.969	10.852	11.002	11.051	10.908	
54.000	10.913	10.796	10.946	10.995	10.881	
55.000	10.873	10.756	10.906	10.954	10.854	
56.454	10.826	10.709	10.859	10.908	10.815	TP
58.025	10.776	10.660	10.810	10.860	10.774	
59.025	10.746	10.633	10.783	10.834	10.748	
60.000	10.720	10.611	10.761	10.815	10.722	
60.025	10.720	10.611	10.761	10.814	10.721	
60.509	10.708	10.602	10.752	10.806	10.708	TP
61.671	10.681	10.580	10.730	10.786	10.676	
61.996	10.673	10.574	10.724	10.778	10.668	
62.283	10.666	10.569	10.719	10.759	10.660	
63.398	10.640	10.544	10.694	10.737	10.630	
64.599	10.611	10.516	10.666	10.709	10.598	
65.000	10.601	10.506	10.656	10.699	10.587	
65.398	10.592	10.497	10.647	10.690	10.576	
68.221	10.525	10.430	10.580	10.623	10.505	
70.000	10.483	10.388	10.538	10.581	10.469	

MK01 LONGITUDINAL SECTION

SCALE 1:100 HORI.
1:10 VERT.

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	26-03-25

Bar Scales
0 100 200 400 600 800 1000mm
1 : 10 @ A0
0 2 4 6 8 10m
1 : 100 @ A0

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Client: CORONATION

Scales	1:10 V 1:100 H	Drawn	ASD
		Designed	ASD
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project: PRECINCT 75
ST PETERS, NSW 2044
MAIN WORKS
CIVIL PACKAGE

Title: PUBLIC DOMAIN
MK01
LONGITUDINAL SECTIONS
SHEET 1

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Status: FOR CONSTRUCTION | A0
Project - Drawing No.: CI70-0-0-05 | Issue: 1

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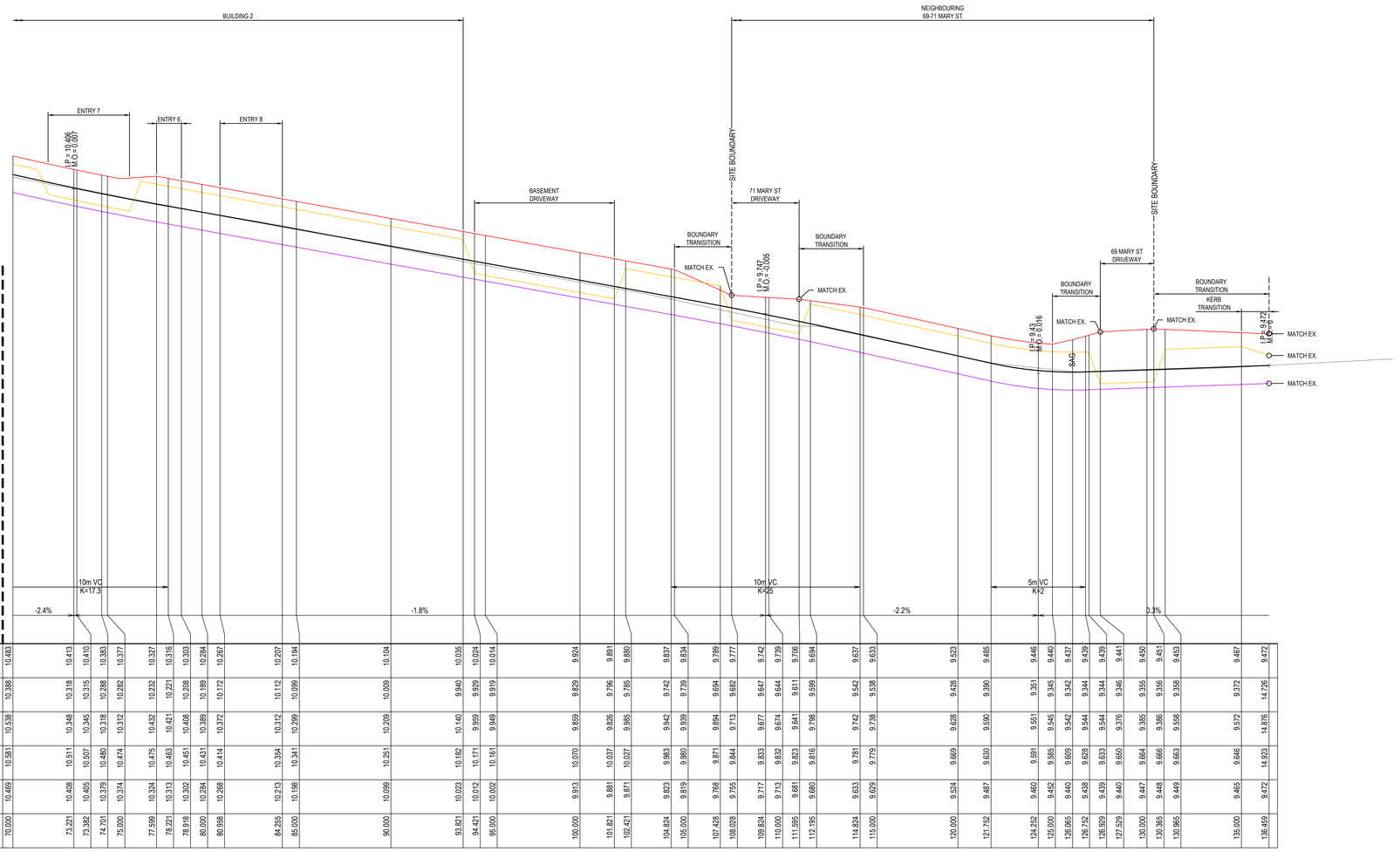
100mm on Original

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: MK01 LS SH2		Drawing No: CI70-0-0-06		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388



Datum RL8

CHAINAGE	PROPOSED RCL LEVEL (MK01)	PROPOSED KERB INVERT LEVEL	PROPOSED KERB TOP LEVEL	PROPOSED BOUNDARY LEVEL	EXISTING RCL LEVEL (MK01)
70.000	10.483	10.388	10.538	10.581	10.469
73.221	10.413	10.318	10.348	10.511	10.408
73.382	10.410	10.315	10.345	10.507	10.405
74.701	10.383	10.288	10.318	10.480	10.379
75.000	10.377	10.282	10.312	10.474	10.374
77.599	10.327	10.232	10.432	10.475	10.324
78.221	10.316	10.221	10.421	10.463	10.313
78.918	10.303	10.208	10.408	10.451	10.302
80.000	10.284	10.189	10.389	10.431	10.284
80.958	10.267	10.172	10.372	10.414	10.268
84.255	10.207	10.112	10.312	10.354	10.213
85.000	10.194	10.099	10.299	10.341	10.198
90.000	10.104	10.009	10.209	10.251	10.099
93.821	10.035	9.940	10.140	10.182	10.023
94.421	10.024	9.929	10.171	10.171	10.012
95.000	10.014	9.919	10.161	10.161	10.002
100.000	9.924	9.829	9.859	10.070	9.913
101.821	9.891	9.796	9.826	10.037	9.881
102.421	9.880	9.785	9.985	10.027	9.871
104.824	9.837	9.742	9.942	9.983	9.823
105.000	9.834	9.739	9.939	9.980	9.819
107.428	9.789	9.694	9.894	9.871	9.768
108.028	9.777	9.682	9.713	9.844	9.755
109.824	9.742	9.647	9.677	9.833	9.717
110.000	9.739	9.644	9.674	9.832	9.713
111.395	9.706	9.611	9.641	9.823	9.681
112.195	9.694	9.599	9.798	9.816	9.680
114.824	9.637	9.542	9.742	9.781	9.633
115.000	9.633	9.538	9.738	9.779	9.629
120.000	9.523	9.428	9.628	9.669	9.524
121.752	9.485	9.390	9.590	9.630	9.487
124.252	9.446	9.351	9.551	9.591	9.460
125.000	9.440	9.345	9.545	9.585	9.452
126.065	9.437	9.342	9.542	9.609	9.440
126.752	9.439	9.344	9.544	9.628	9.438
126.929	9.439	9.344	9.544	9.633	9.439
127.529	9.441	9.346	9.376	9.650	9.440
130.000	9.450	9.355	9.385	9.684	9.447
130.365	9.451	9.356	9.386	9.666	9.448
130.965	9.453	9.358	9.558	9.663	9.449
135.000	9.467	9.372	9.572	9.646	9.465
136.469	9.472	14.796	14.816	14.923	9.472

MK01 LONGITUDINAL SECTION

SCALE 1:100 HORI.
1:10 VERT.

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	26-03-25

100mm on Original

Bar Scales

0 100 200 400 600 800 1000mm
1 : 10 @ A0

0 2 4 6 8 10m
1 : 100 @ A0

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Client: CORONATION

Scales	1:10 V 1:100 H	Drawn	ASD
		Designed	ASD
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS CIVIL PACKAGE

Title: PUBLIC DOMAIN MK01 LONGITUDINAL SECTIONS SHEET 2

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Status: FOR CONSTRUCTION | A0

Project - Drawing No.: CI70-0-0-06 | Issue: 1

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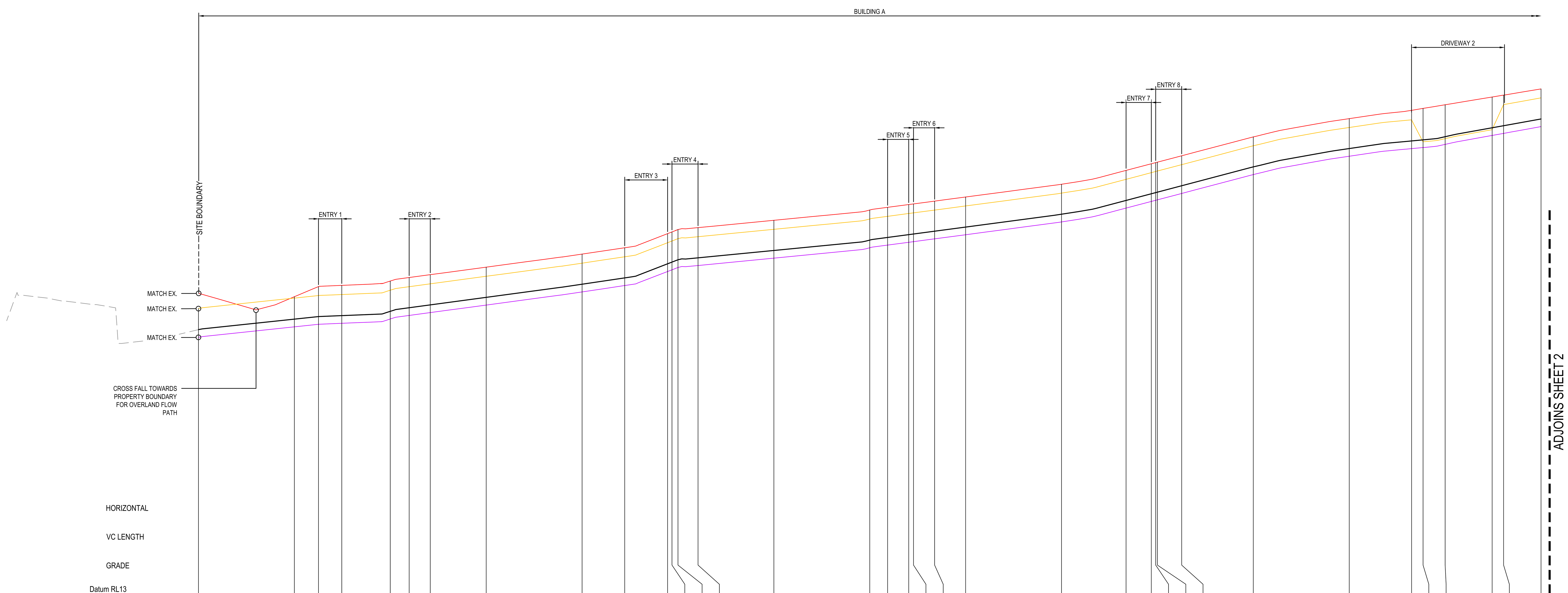
Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: MK02 LS SH1		Drawing No: CI70-0-0-07		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388



Datum RL13

CHAINAGE	PROPOSED LIP LEVEL (MK02)	PROPOSED KERB INVERT LEVEL	PROPOSED KERB TOP LEVEL	PROPOSED BOUNDARY LEVEL	EXISTING LEVEL
0.000 (TP)	14.378	14.338	14.488		14.378
5.000	14.432	14.392	14.542	14.549	14.432
6.255	14.445	14.405	14.555	14.602	14.445
7.469	14.451	14.411	14.561	14.608	14.451
10.000	14.473	14.433	14.583	14.631	14.473
10.986	14.492	14.452	14.602	14.649	14.492
12.086	14.506	14.466	14.616	14.664	14.506
15.000	14.546	14.506	14.656	14.703	14.546
20.000	14.614	14.574	14.724	14.772	14.614
22.223	14.647	14.607	14.757	14.805	14.647
24.458	14.721	14.681	14.831	14.879	14.721
24.688	14.730	14.690	14.840	14.888	14.730
25.000	14.742	14.702	14.852	14.899	14.742
26.047	14.752	14.712	14.862	14.909	14.752
30.000	14.790	14.750	14.900	14.948	14.790
35.000	14.844	14.804	14.954	15.001	14.844
35.930	14.858	14.818	14.968	15.015	14.858
37.030	14.873	14.833	14.983	15.030	14.873
37.281	14.876	14.836	14.986	15.033	14.876
38.381	14.891	14.851	15.001	15.048	14.891
40.000	14.912	14.872	15.022	15.069	14.912
45.000	14.979	14.939	15.089	15.136	14.979
48.364	15.051	15.011	15.161	15.208	15.051
49.679	15.086	15.046	15.196	15.242	15.086
49.909	15.092	15.052	15.202	15.248	15.092
50.000	15.094	15.054	15.204	15.251	15.094
51.264	15.128	15.088	15.238	15.284	15.128
55.000	15.226	15.186	15.336	15.382	15.226
60.000	15.322	15.282	15.432	15.478	15.322
63.251	15.361	15.321	15.471	15.521	15.361
63.851	15.367	15.327	15.357	15.531	15.367
65.000	15.383	15.343	15.373	15.550	15.383
67.451	15.430	15.390	15.421	15.590	15.430
68.051	15.441	15.401	15.551	15.600	15.441
70.000	15.476	15.436	15.586	15.632	15.476

MK02 LONGITUDINAL SECTION

SCALE 1:100 HORI.
1:10 VERT.

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	26-03-25

100mm on Original

Bar Scales
0 100 200 400 600 800 1000mm
1 : 10 @ A0
0 2 4 6 8 10m
1 : 100 @ A0

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Client: CORONATION

Scales	1:10 V 1:100 H	Drawn	ASD
		Designed	ASD
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS CIVIL PACKAGE

Title: PUBLIC DOMAIN MK02 LONGITUDINAL SECTIONS SHEET 1

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney
NSW 2060
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E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

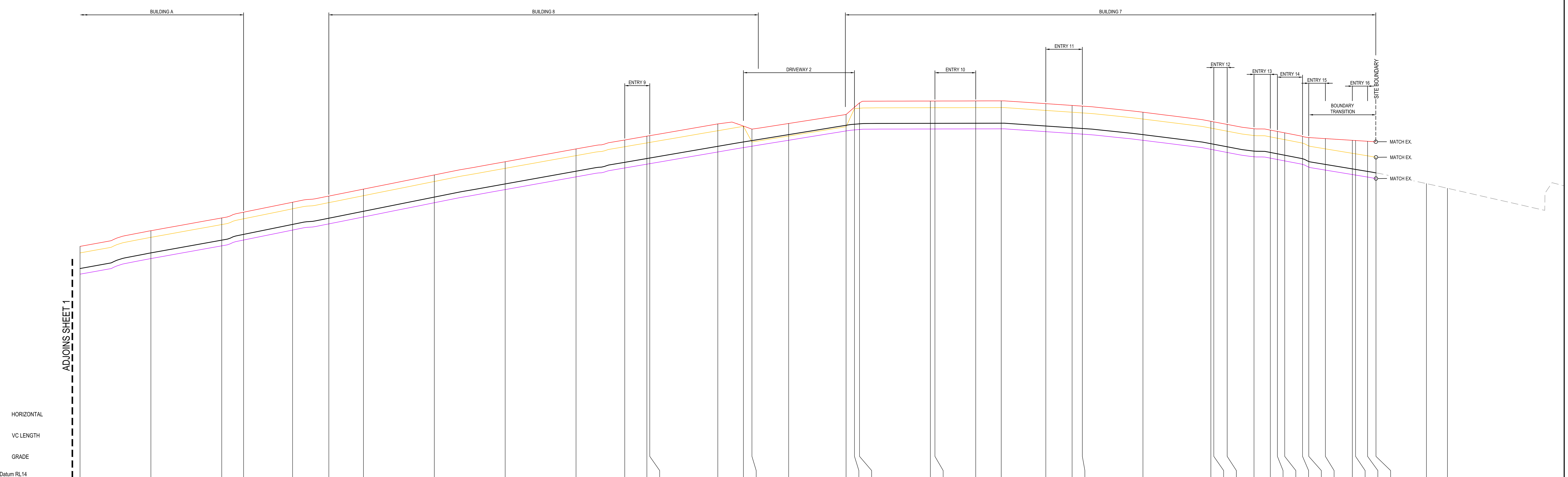
Status: FOR CONSTRUCTION | A0

Project - Drawing No.: CI70-0-0-07 | Issue: 1

F:\24-1178 Precinct 75\6.0 Drgs\Civil\Final\1000 SERIES - MAIN WORKS\CI70-0-0-07.dwg

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: MK02 LS SH2		Drawing No: CI70-0-0-08		
Rev	Date dd.mm.yy	Description	DP Full Name	Reg No
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388



PROPOSED LIP LEVEL (MK02)	15.476	15.586	15.676	15.717	15.787	15.831	15.880	15.980	16.073	16.163	16.226
PROPOSED KERB INVERT LEVEL	15.436	15.546	15.636	15.677	15.747	15.791	15.840	15.940	16.033	16.123	16.186
PROPOSED KERB TOP LEVEL	15.586	15.696	15.786	15.827	15.897	15.941	15.990	16.090	16.183	16.273	16.336
PROPOSED BOUNDARY LEVEL	15.632	15.743	15.833	15.874	15.944	15.987	16.036	16.137	16.230	16.320	16.383
EXISTING LEVEL	15.476	15.586	15.676	15.717	15.787	15.831	15.880	15.980	16.073	16.163	16.226
CHAINAGE	70.000	75.000	80.000	81.544	85.000	87.556	90.000	95.000	100.000	105.000	108.435

PROPOSED LIP LEVEL (MK02)	16.253	16.256	16.339	16.369	16.379	16.421	16.487	16.494	16.497	16.501	16.501
PROPOSED KERB INVERT LEVEL	16.213	16.216	16.299	16.329	16.339	16.381	16.447	16.454	16.457	16.461	16.461
PROPOSED KERB TOP LEVEL	16.363	16.366	16.449	16.479	16.370	16.411	16.477	16.604	16.607	16.611	16.611
PROPOSED BOUNDARY LEVEL	16.410	16.414	16.497	16.482	16.460	16.500	16.563	16.614	16.645	16.658	16.658
EXISTING LEVEL	16.253	16.256	16.339	16.369	16.379	16.421	16.487	16.494	16.497	16.501	16.501
CHAINAGE	110.000	110.200	115.000	116.809	117.409	120.000	124.054	124.645	125.000	130.000	130.323

PROPOSED LIP LEVEL (MK02)	16.501	16.502	16.482	16.469	16.464	16.421	16.357	16.353	16.335	16.305	16.295
PROPOSED KERB INVERT LEVEL	16.461	16.462	16.442	16.429	16.424	16.381	16.317	16.313	16.295	16.265	16.255
PROPOSED KERB TOP LEVEL	16.611	16.612	16.592	16.579	16.574	16.531	16.467	16.463	16.445	16.415	16.405
PROPOSED BOUNDARY LEVEL	16.659	16.659	16.640	16.627	16.622	16.579	16.515	16.511	16.493	16.462	16.453
EXISTING LEVEL	16.501	16.502	16.482	16.469	16.464	16.421	16.357	16.353	16.335	16.304	16.295
CHAINAGE	133.202	135.000	138.144	140.000	140.724	145.000	149.791	150.000	150.941	152.835	153.985

PROPOSED LIP LEVEL (MK02)	16.286	16.276	16.251	16.232	16.211	16.179	16.176	16.161	16.151	16.075	16.042
PROPOSED KERB INVERT LEVEL	16.246	16.236	16.211	16.192	16.171	16.139	16.136	16.121	16.111		
PROPOSED KERB TOP LEVEL	16.396	16.386	16.361	16.342	16.321	16.289	16.286	16.271	16.261		
PROPOSED BOUNDARY LEVEL	16.443	16.434	16.409	16.400	16.393	16.381	16.379	16.374			
EXISTING LEVEL	16.286	16.276	16.251	16.231	16.211	16.179	16.176	16.161	16.151	16.075	16.042
CHAINAGE	154.487	155.000	156.258	156.700	157.874	159.774	160.000	160.850	161.440	165.000	166.481

MK02 LONGITUDINAL SECTION

SCALE 1:100 HORI.
1:10 VERT.

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	26-03-25

100mm on Original

Bar Scales

0 100 200 400 600 800 1000mm
1 : 10 @ A0

0 2 4 6 8 10m
1 : 100 @ A0

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Client: CORONATION

Scales	1:10 V 1:100 H	Drawn	ASD
		Designed	ASD
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS CIVIL PACKAGE

Title: PUBLIC DOMAIN MK02 LONGITUDINAL SECTIONS SHEET 2

Civil Engineers and Project Managers
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Level 7, 153 Walker Street
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ABN 96 130 882 405

Status: FOR CONSTRUCTION — A0

Project - Drawing No.: CI70-0-0-08 — Issue: 1

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

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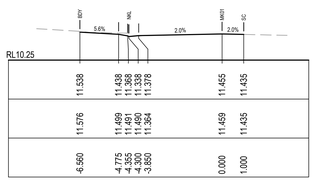
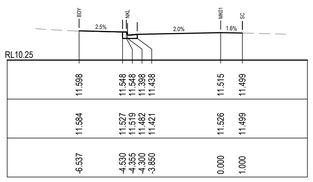
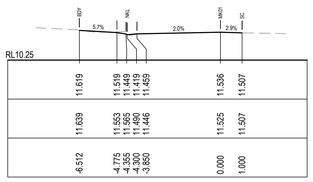
Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: MK01 XSECT SH1		Drawing No: CI70-0-0-10		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388



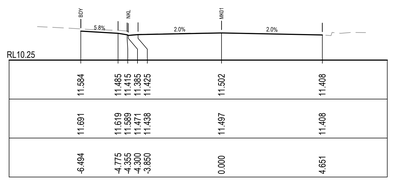
CH 4.597
BUILDING 1
DRIVEWAY 1



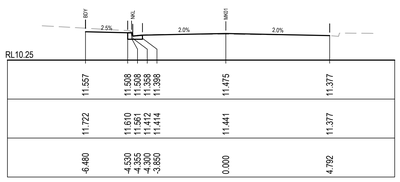
CH 12.087
BUILDING 1
ENTRY 2



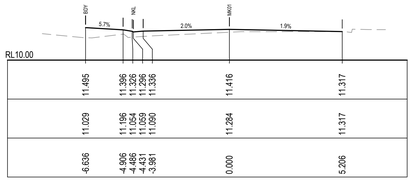
CH 20
BUILDING 1
DRIVEWAY 2



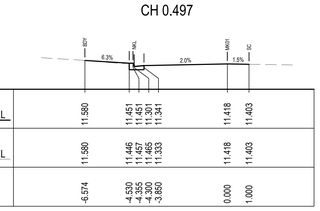
CH 25.938
BUILDING 1
DRIVEWAY 3



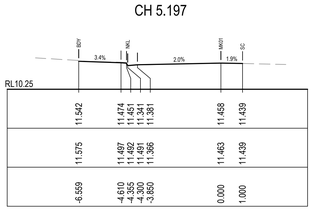
CH 30.191
BUILDING 1
ENTRY 3



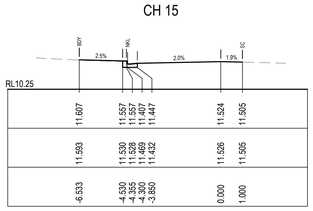
CH 36.741
MAKER'S WAY
DRIVEWAY



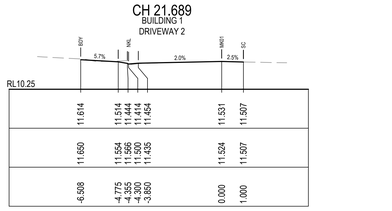
CH 4.231
BUILDING 1
DRIVEWAY 1



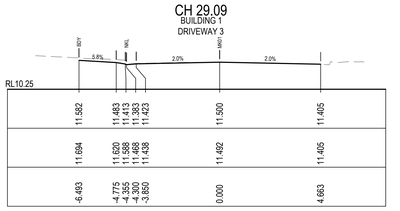
CH 10



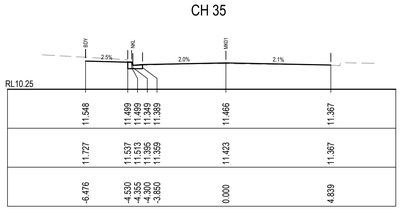
CH 18.648
BUILDING 1
DRIVEWAY 2



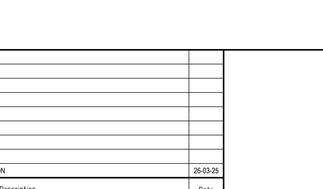
CH 25.338



CH 30.038

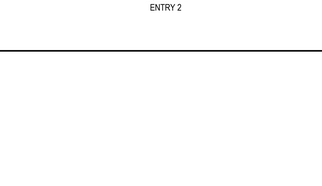


CH 36.583
MAKER'S WAY
DRIVEWAY

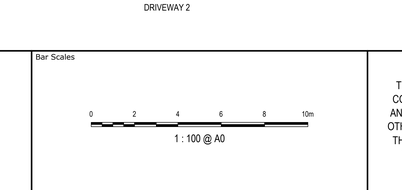


CH 1.461
BUILDING 1
DRIVEWAY 1

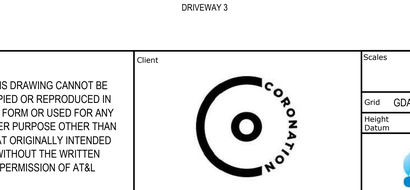
CH 8.495
BUILDING 1
ENTRY 1



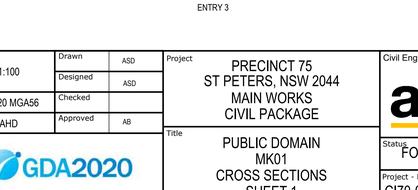
CH 18.189
BUILDING 1
DRIVEWAY 2



CH 25



CH 30



CH 36.126
BUILDING 1
ENTRY 3

CH 1.097
BUILDING 1
DRIVEWAY 1

CH 7.159
BUILDING 1
ENTRY 1

CH 17.589

CH 22.29

CH 29.438
BUILDING 1
DRIVEWAY 3

CH 35.606

CH 0

CH 5

CH 15

CH 21.689
BUILDING 1
DRIVEWAY 2

CH 29.09
BUILDING 1
DRIVEWAY 3

CH 35

CH 0
CH 5
CH 13.434
BUILDING 1
ENTRY 2
CH 21.248
BUILDING 1
DRIVEWAY 2
CH 26.285
BUILDING 1
DRIVEWAY 3
CH 31.534
BUILDING 1
ENTRY 3

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	26-03-25

Bar Scales

0 2 4 6 8 10m

1 : 100 @ A0

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Client

CORONATION

Scales	1:100	Drawn	ASD
		Designed	ASD
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project
PRECINCT 75
ST PETERS, NSW 2044
MAIN WORKS
CIVIL PACKAGE

Title
PUBLIC DOMAIN
MK01
CROSS SECTIONS
SHEET 1

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

Status: FOR CONSTRUCTION — A0

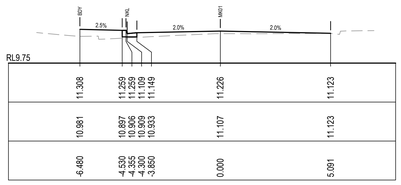
Project - Drawing No.: CI70-0-0-10 — Issue: 1

100mm on Original

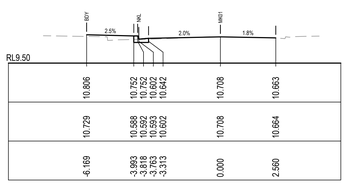
F:\24-1178 Precinct 75\6.0 Drgs\Civil\Final\1000 SERIES - MAIN WORKS\CI70-0-0-10.dwg

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

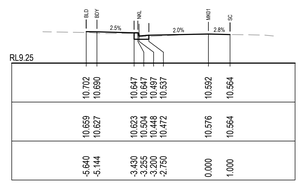
Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800			Body Corporate Reg No:-	
Drawing Title: MK01 XSECT SH2		Drawing No: CI70-0-0-11		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388



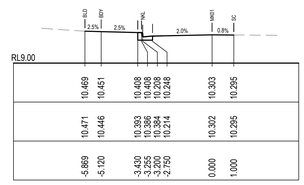
CH 45



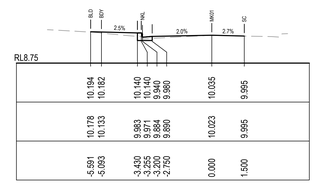
CH 60.509
BUILDING 2
ENTRY 3



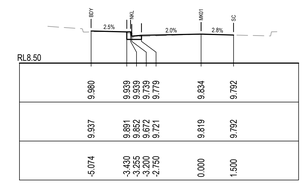
CH 65.398



CH 78.918
BUILDING 2
ENTRY 6



CH 93.821



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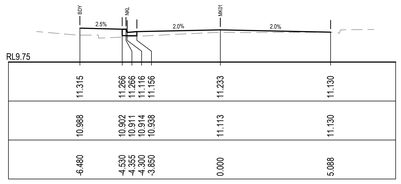
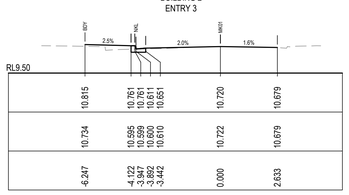
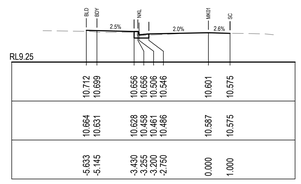


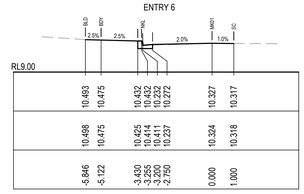
CH 44.755
BUILDING 2
ENTRY 1



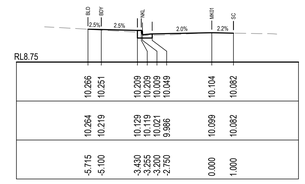
CH 60



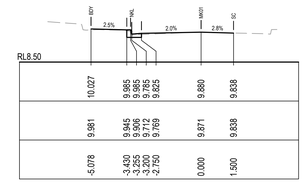
CH 65



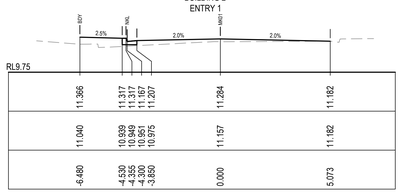
CH 77.599
BUILDING 2
ENTRY 6



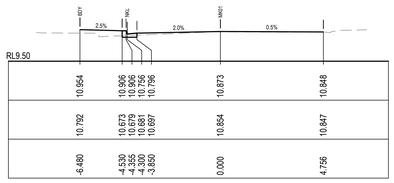
CH 90



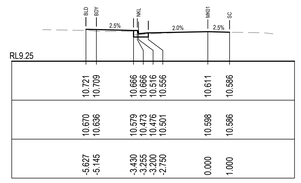
CH 102.421



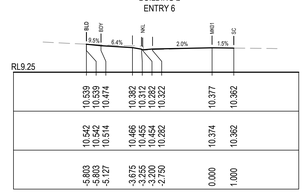
CH 42.878
BUILDING 2
ENTRY 1



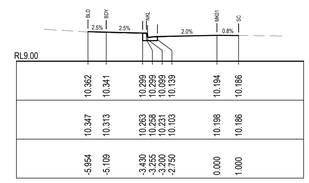
CH 55



CH 64.599
BUILDING 2
ENTRY 4



CH 75



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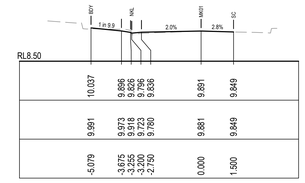
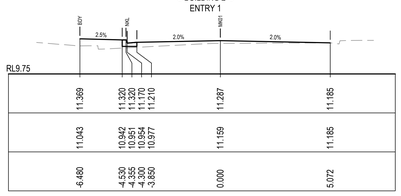
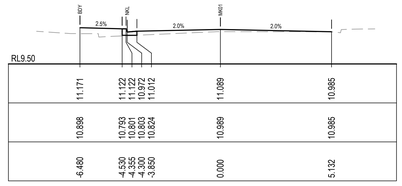


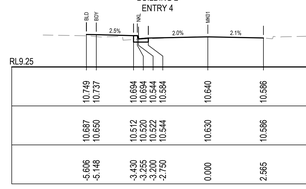
CH 101.821
BASEMENT
DRIVEWAY



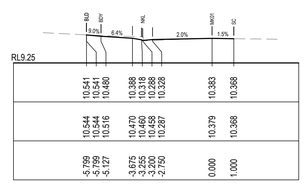
CH 42.769



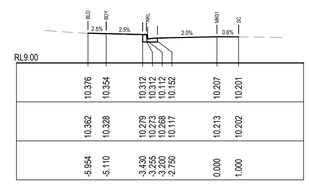
CH 50



CH 63.398
BUILDING 2
ENTRY 4

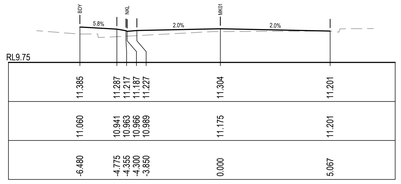


CH 74.701
BUILDING 2
ENTRY 5

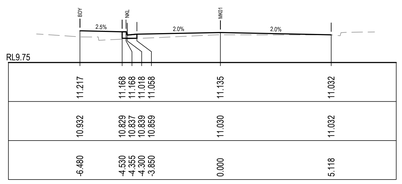


CH 84.255
BUILDING 2
ENTRY 7

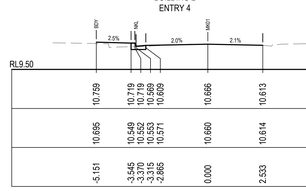
CH 100
BASEMENT
DRIVEWAY



CH 42.169
MAKER'S WAY
DRIVEWAY

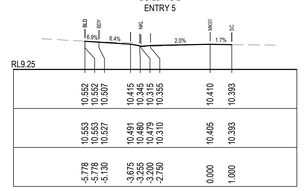


CH 48.309
BUILDING 2
ENTRY 2



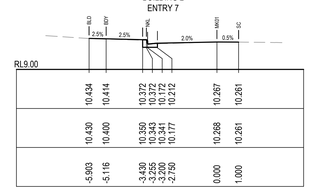
CH 62.283

CH 61.996
BUILDING 2
ENTRY 3



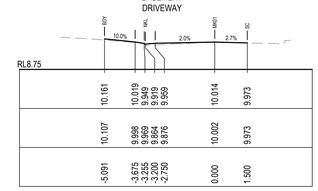
CH 73.382
BUILDING 2
ENTRY 5

CH 70



CH 80.958
BUILDING 2
ENTRY 7

CH 80



CH 95
BASEMENT
DRIVEWAY

CH 94.421
BASEMENT
DRIVEWAY

CH 47.279
BUILDING 2
ENTRY 2

CH 40
MAKER'S WAY
DRIVEWAY

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	26-03-25

100mm on Original

Bar Scales

0 2 4 6 8 10m

1 : 100 @ A0

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Client

CORONATION

Scales	1:100	Drawn	ASD
		Designed	ASD
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project

PRECINCT 75
ST PETERS, NSW 2044
MAIN WORKS
CIVIL PACKAGE

Title

PUBLIC DOMAIN
MK01
CROSS SECTIONS
SHEET 2

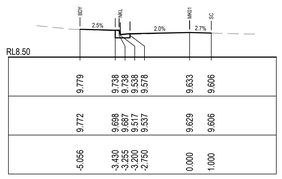
Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

Status	FOR CONSTRUCTION	A0
Project - Drawing No.	CI70-0-0-11	Issue 1

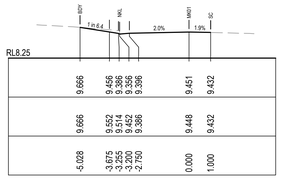
F:\24-1178 Precinct 75\6.0 Drgs\Civil\Final\1000 SERIES - MAIN WORKS\CI70-0-0-11.dwg

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

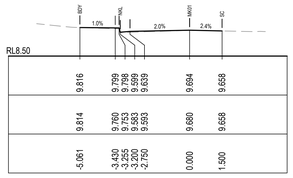
Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: MK01 XSECT SH3		Drawing No: CI70-0-0-12		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388



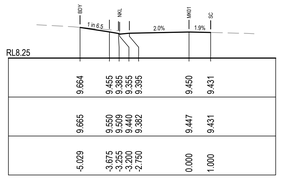
CH 115



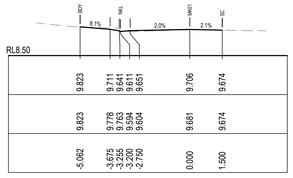
CH 130.365
69 MARY ST
DRIVEWAY



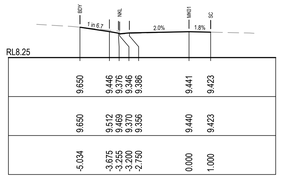
CH 112.195



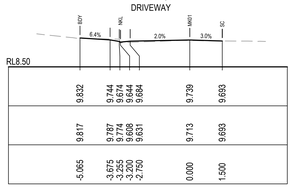
CH 130
69 MARY ST
DRIVEWAY



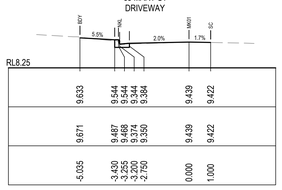
CH 111.595
71 MARY ST
DRIVEWAY



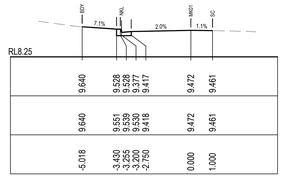
CH 127.529
69 MARY ST
DRIVEWAY



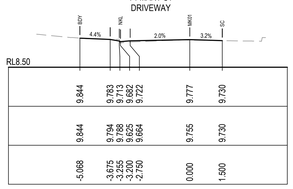
CH 110
71 MARY ST
DRIVEWAY



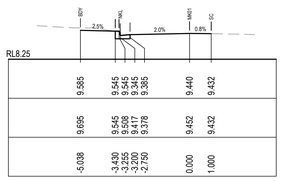
CH 126.929



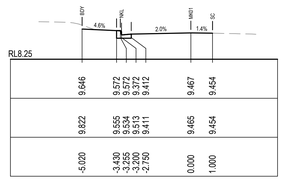
CH 136.458



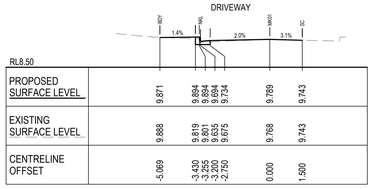
CH 108.028
71 MARY ST
DRIVEWAY



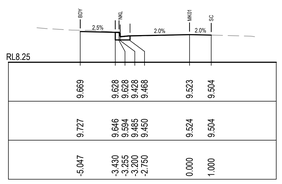
CH 125



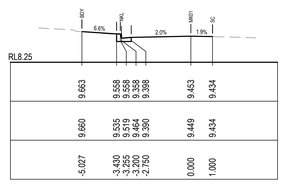
CH 135



CH 107.428



CH 120



CH 130.965

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	26-03-25

100mm on Original

Bar Scales

0 2 4 6 8 10m

1 : 100 @ A0

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Client

CORONATION

Scales	1:100	Drawn	ASD
		Designed	ASD
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project
PRECINCT 75
ST PETERS, NSW 2044
MAIN WORKS
CIVIL PACKAGE

Title
PUBLIC DOMAIN
MK01
CROSS SECTIONS
SHEET 3

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney
NSW 2060
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ABN 96 130 882 405

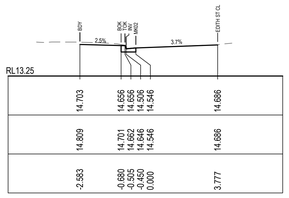
Status: FOR CONSTRUCTION | A0

Project - Drawing No.: CI70-0-0-12 | Issue: 1

F:\24-1178 Precinct 75\6.0 Drgs\Civil\Final\1000 SERIES - MAIN WORKS\CI70-0-0-12.dwg

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: MK02 XSECT SH1		Drawing No: CI70-0-0-15		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388



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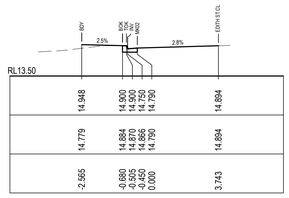

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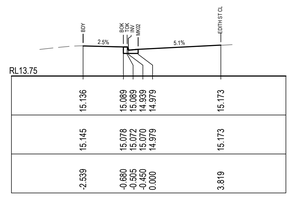

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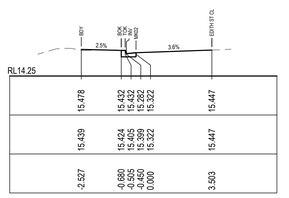

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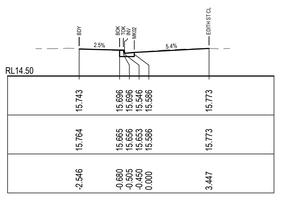
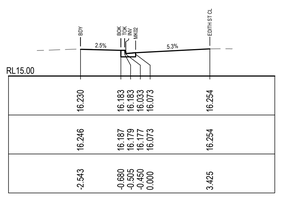
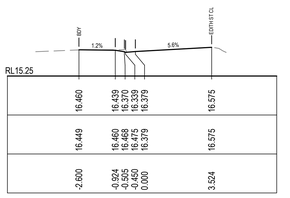


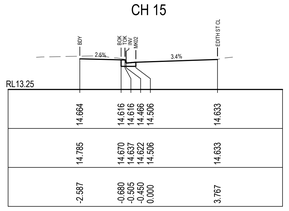
CH 75



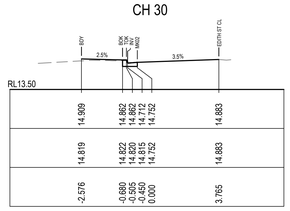
CH 100
BUILDING 8
ENTRY 9



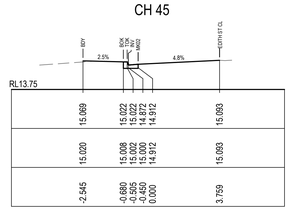
CH 117.409
DRIVEWAY 2



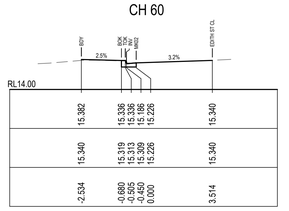
CH 12.086
BUILDING A
ENTRY 2



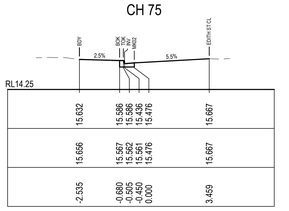
CH 26.047
BUILDING A
ENTRY 4



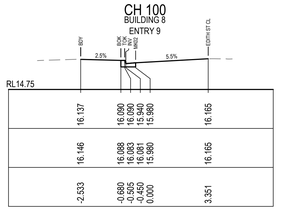
CH 40



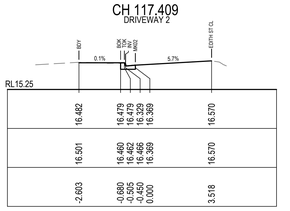
CH 55



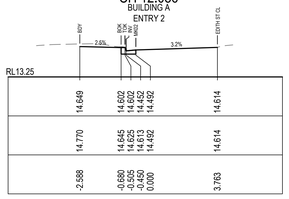
CH 70



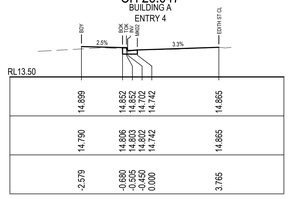
CH 95



CH 116.809



CH 10.986
BUILDING A
ENTRY 2



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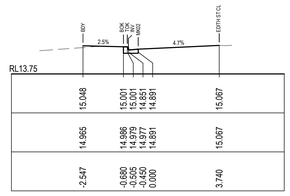
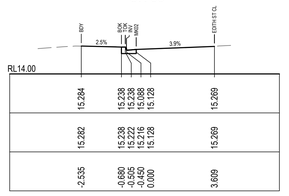
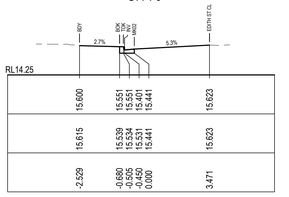


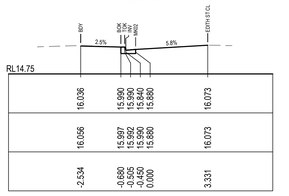
CH 38.381
BUILDING A
ENTRY 6



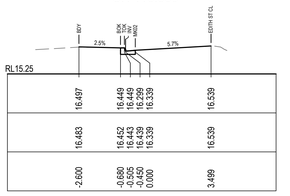
CH 51.264
BUILDING A
ENTRY 8



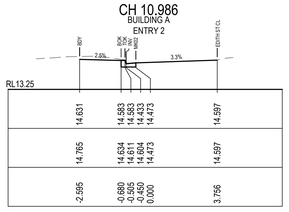
CH 68.051



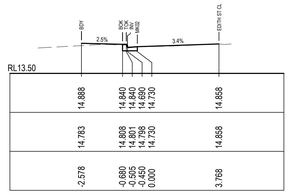
CH 90



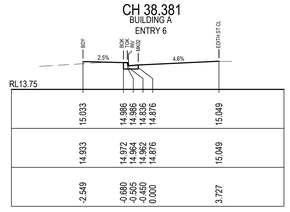
CH 116.809



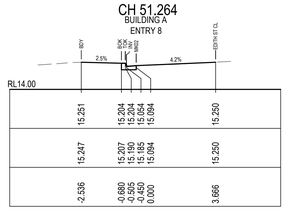
CH 10
BUILDING A
ENTRY 2



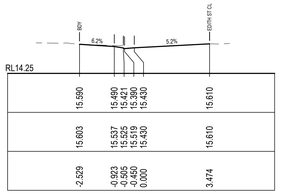
CH 24.688
BUILDING A
ENTRY 4



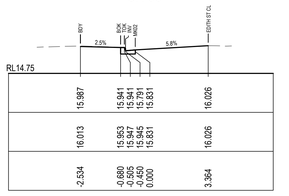
CH 37.281
BUILDING A
ENTRY 6



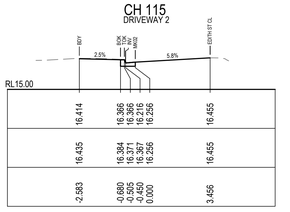
CH 50



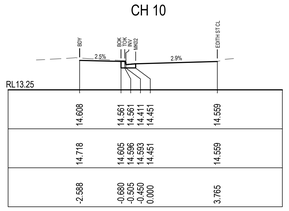
CH 67.451
BUILDING A
DRIVEWAY 1



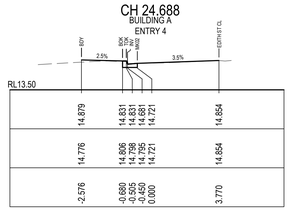
CH 87.556



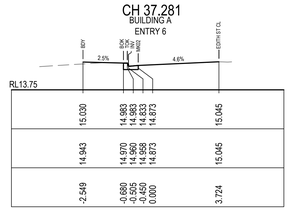
CH 110.2



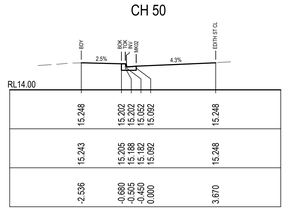
CH 7.469
BUILDING A
ENTRY 1



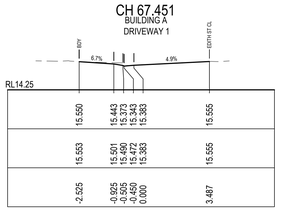
CH 24.458
BUILDING A
ENTRY 3



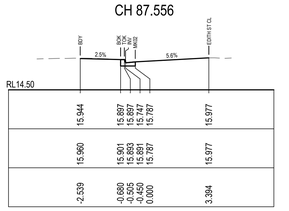
CH 37.03
BUILDING A
ENTRY 5



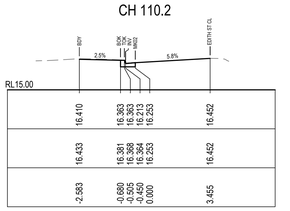
CH 49.909
BUILDING A
ENTRY 8



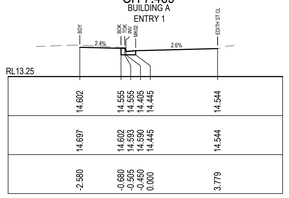
CH 65
BUILDING A
DRIVEWAY 1



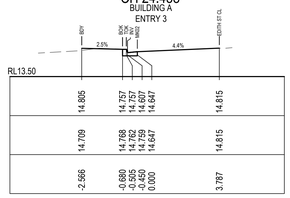
CH 85



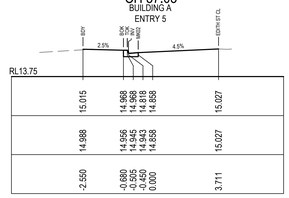
CH 110



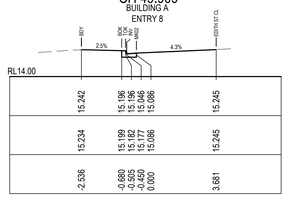
CH 6.255
BUILDING A
ENTRY 1



CH 24.458
BUILDING A
ENTRY 3



CH 37.03
BUILDING A
ENTRY 5



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BUILDING A
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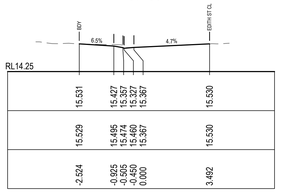

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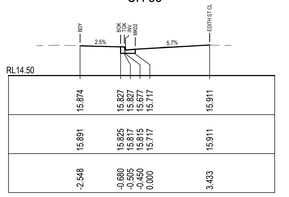

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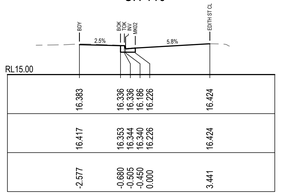

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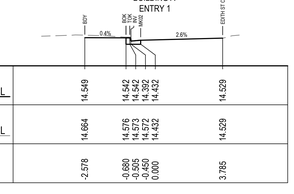
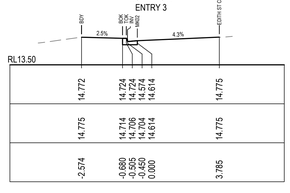
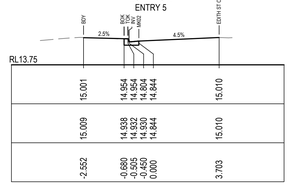


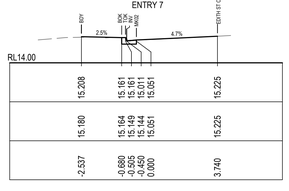
CH 6.255
BUILDING A
ENTRY 1



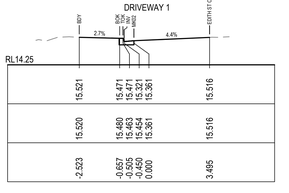
CH 22.223
BUILDING A
ENTRY 3



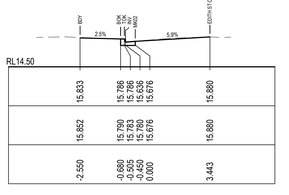
CH 35.93
BUILDING A
ENTRY 5



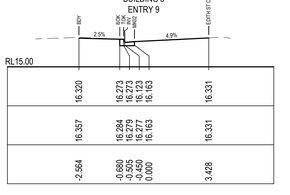
CH 49.679
BUILDING A
ENTRY 7



CH 63.851
BUILDING A
DRIVEWAY 1



CH 81.544



CH 108.435
BUILDING 8
ENTRY 9

CH 5

CH 20

CH 35

CH 48.364
BUILDING A
ENTRY 7

CH 63.251

CH 80

CH 105

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	26-03-25

100mm on Original

Bar Scales

0 2 4 6 8 10m

1 : 100 @ A0

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Client

CORONATION

Scales	1:100	Drawn	ASD
		Designed	ASD
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project
PRECINCT 75
ST PETERS, NSW 2044
MAIN WORKS
CIVIL PACKAGE

Title
PUBLIC DOMAIN
MK02
CROSS SECTIONS
SHEET 1

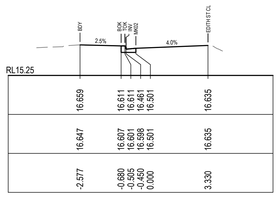
Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

Status	FOR CONSTRUCTION	A0
Project - Drawing No.	CI70-0-0-15	Issue 1

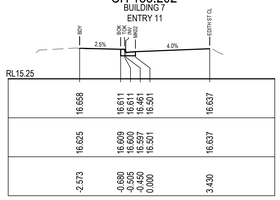
F:\24-1178 Precinct 75\6.0 Drgs\Civil\Final\1000 SERIES - MAIN WORKS\CI70-0-0-15.dwg

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: MK02 XSECT SH2		Drawing No: CI70-0-0-16		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388



CH 133.202
BUILDING 7
ENTRY 11



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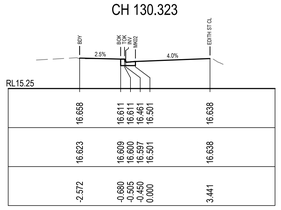
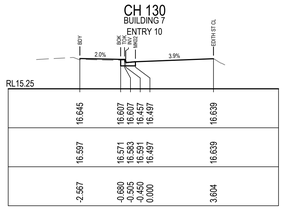
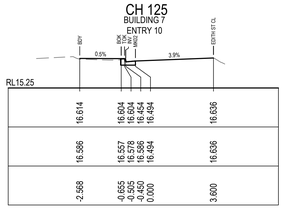


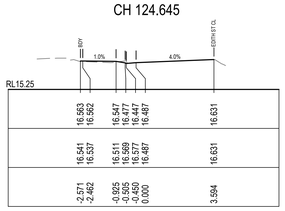
CH 130
BUILDING 7
ENTRY 10



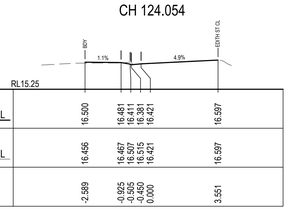
CH 125
BUILDING 7
ENTRY 10



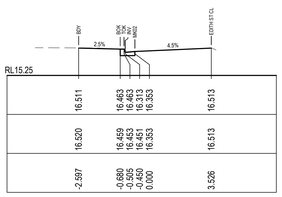
CH 124.645



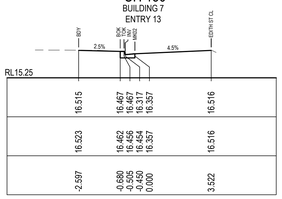
CH 124.054



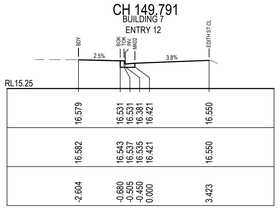
CH 120



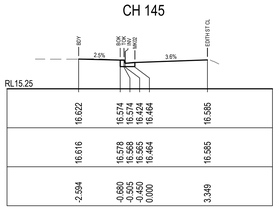
CH 150
BUILDING 7
ENTRY 13



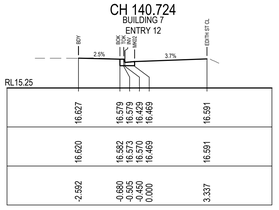
CH 149.791
BUILDING 7
ENTRY 12



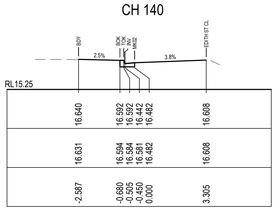
CH 145



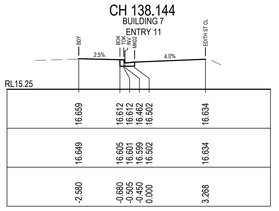
CH 140.724
BUILDING 7
ENTRY 12



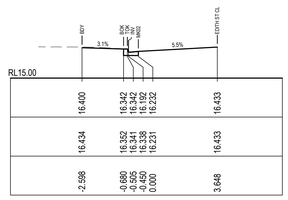
CH 140



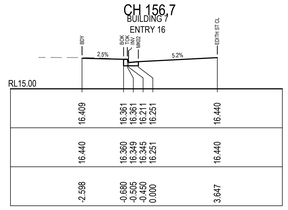
CH 138.144
BUILDING 7
ENTRY 11



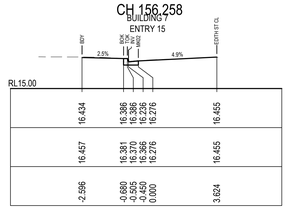
CH 135



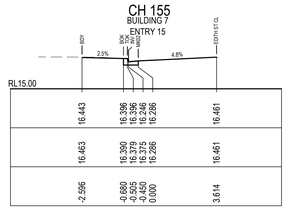
CH 156.7
BUILDING 7
ENTRY 16



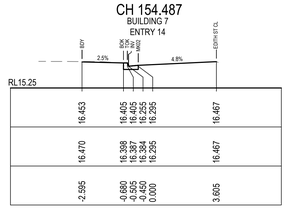
CH 156.258
BUILDING 7
ENTRY 15



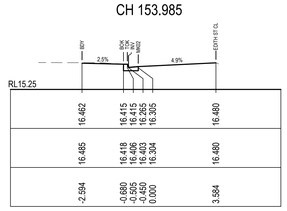
CH 155
BUILDING 7
ENTRY 15



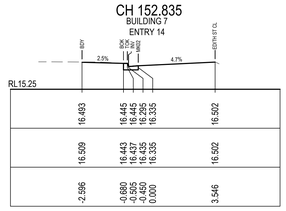
CH 154.487
BUILDING 7
ENTRY 14



CH 153.985

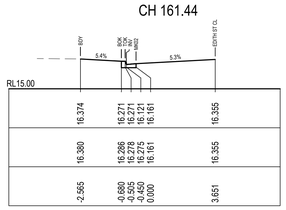


CH 152.835
BUILDING 7
ENTRY 14

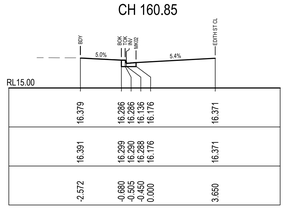


CH 150.941
BUILDING 7
ENTRY 13

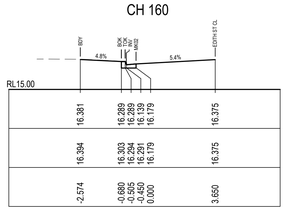
CH 161.44



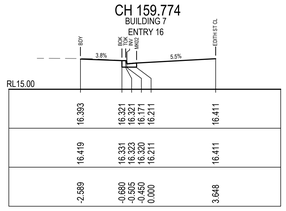
CH 160.85



CH 160



CH 159.774
BUILDING 7
ENTRY 16



CH 157.874

1	ISSUED FOR CONSTRUCTION	26-03-25
Issue	Description	Date

100mm on Original

Bar Scales

0 2 4 6 8 10m

1 : 100 @ A0

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Client: CORONATION

Scales	1:100	Drawn	ASD
		Designed	ASD
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS CIVIL PACKAGE

Title: PUBLIC DOMAIN MK02 CROSS SECTIONS SHEET 2

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

Status: FOR CONSTRUCTION — A0

Project - Drawing No.: CI70-0-0-16 — Issue: 1

F:\24-1178 Precinct 75\6.0 Drgs\Civil\Final\1000 SERIES - MAIN WORKS\CI70-0-0-16.dwg

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: DW ALGN. PLAN		Drawing No: CI80-0-0-01		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	26-03-25

100mm on Original

Bar Scales

0 5 10 15 20m

1 : 200 @ A0

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Client

CORONATION

Scales	1:200	Drawn	ASD
		Designed	ASD
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project: PRECINCT 75
ST PETERS, NSW 2044
MAIN WORKS
CIVIL PACKAGE

Title: DRIVEWAY
CONTROL ALIGNMENT
PLAN

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

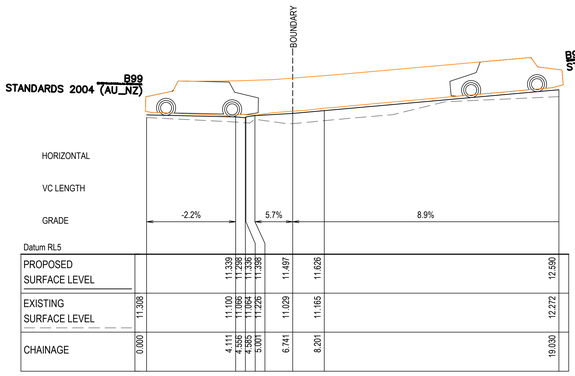
Status: FOR CONSTRUCTION | A0

Project - Drawing No.: CI80-0-0-01 | Issue: 1

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

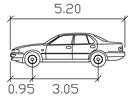
F:\24-1178 Precinct 75\6.0 Drgs\Civil\Final\1000 SERIES - MAIN WORKS\CI80-0-0-01.dwg

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: DW LS SH1		Drawing No: CI80-0-0-02		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388



Ground Clearance (units: m)

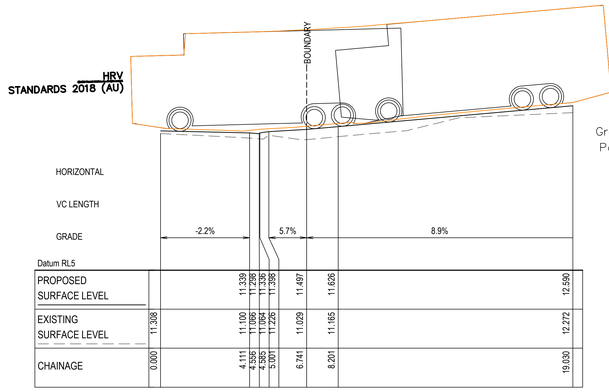
Part #	Front	Wheelbase	Rear
#1	0.12	0.12	0.12



B99

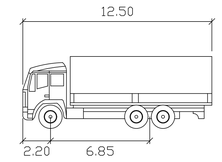
	meters
Width	: 1.94
Track	: 1.84
Lock to Lock Time	6.0
Steering Angle	: 33.9

ML01 LONGITUDINAL SECTION
SCALE 1:100 HORI.
1:100 VERT.



Ground Clearance (units: m)

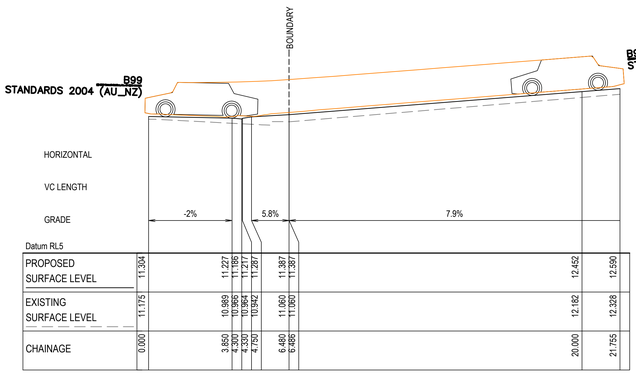
Part #	Front	Wheelbase	Rear
#1	0.15	0.24	0.15



HRV

	meters
Width	: 2.50
Track	: 2.50
Lock to Lock Time	6.0
Steering Angle	: 36.7

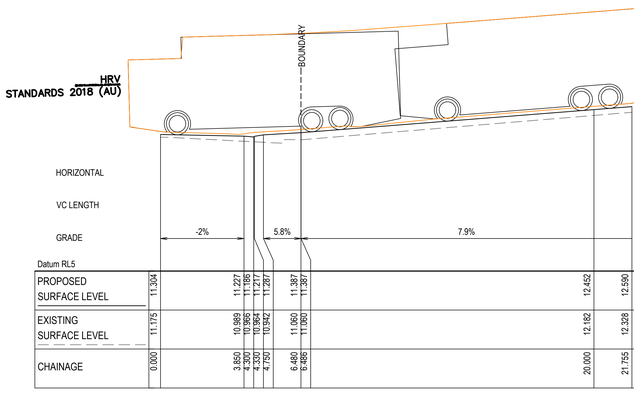
ML01 LONGITUDINAL SECTION
SCALE 1:100 HORI.
1:100 VERT.



Ground Clearance (units: m)

Part #	Front	Wheelbase	Rear
#1	0.12	0.12	0.12

ML02 LONGITUDINAL SECTION
SCALE 1:100 HORI.
1:100 VERT.



Ground Clearance (units: m)

Part #	Front	Wheelbase	Rear
#1	0.15	0.24	0.15

ML02 LONGITUDINAL SECTION
SCALE 1:100 HORI.
1:100 VERT.

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	26-03-25

100mm on Original

Bar Scales

0 2 4 6 8 10m

1 : 100 @ A0

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Client: CORONATION

Scales	AS SHOWN	Drawn	ASD
		Designed	ASD
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project: PRECINCT 75
ST PETERS, NSW 2044
MAIN WORKS
CIVIL PACKAGE

Title: DRIVEWAY
LONGITUDINAL SECTIONS
SHEET 1

Civil Engineers and Project Managers
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www.atl.net.au
ABN 96 130 882 405

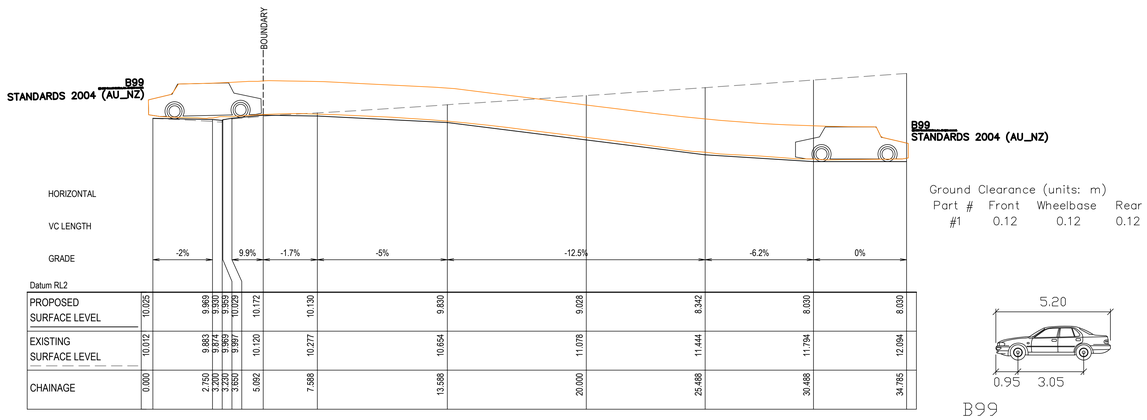
Status: FOR CONSTRUCTION | A0

Project - Drawing No.: CI80-0-0-02 | Issue: 1

F:\24-1178 Precinct 75\6.0 Drgs\Civil\Final\1000 SERIES - MAIN WORKS\CI80-0-0-02.dwg

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: DW LS SH2		Drawing No: CI80-0-0-03		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388



Ground Clearance (units: m)

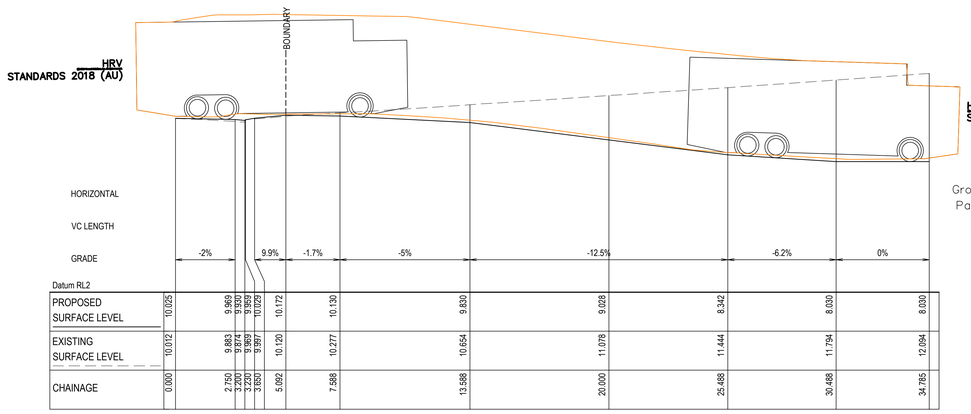
Part #	Front	Wheelbase	Rear
#1	0.12	0.12	0.12

B99

meters

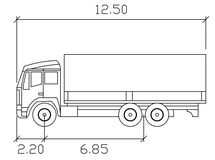
Width : 1.94
Track : 1.84
Lock to Lock Time 6.0
Steering Angle : 33.9

ML03 LONGITUDINAL SECTION
SCALE 1:100 HORI.
1:100 VERT.



Ground Clearance (units: m)

Part #	Front	Wheelbase	Rear
#1	0.15	0.24	0.15

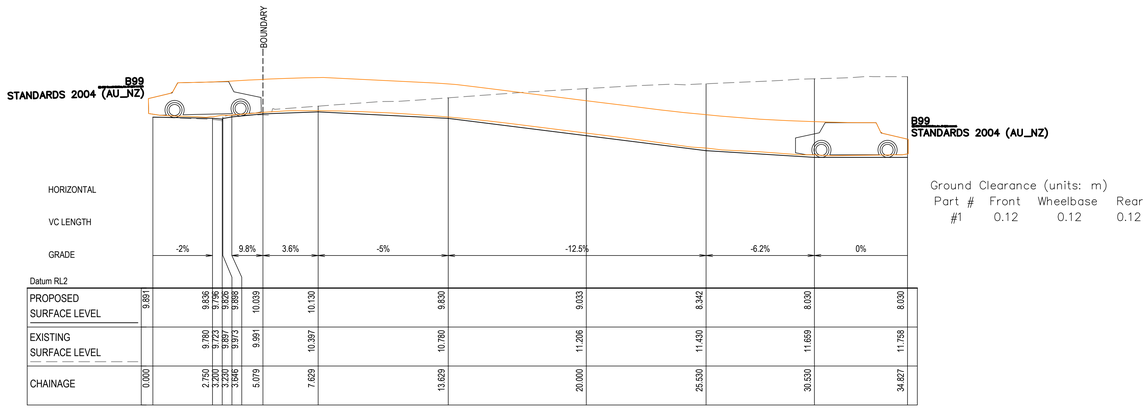


HRV

meters

Width : 2.50
Track : 2.50
Lock to Lock Time 6.0
Steering Angle : 36.7

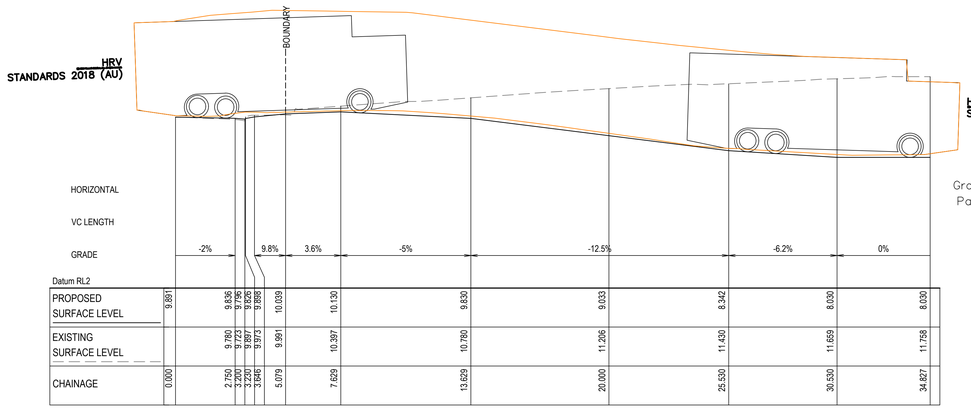
ML03 LONGITUDINAL SECTION
SCALE 1:100 HORI.
1:100 VERT.



Ground Clearance (units: m)

Part #	Front	Wheelbase	Rear
#1	0.12	0.12	0.12

ML04 LONGITUDINAL SECTION
SCALE 1:100 HORI.
1:100 VERT.



Ground Clearance (units: m)

Part #	Front	Wheelbase	Rear
#1	0.15	0.24	0.15

ML04 LONGITUDINAL SECTION
SCALE 1:100 HORI.
1:100 VERT.

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	26-03-25

100mm on Original

Bar Scales

0 2 4 6 8 10m

1 : 100 @ A0

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Client

CORONATION

Scales AS SHOWN | Drawn ASD | Designed ASD | Checked | Approved AB

Grid GDA20 MGA56 | Height Datum AHD

GDA2020

Project
PRECINCT 75
ST PETERS, NSW 2044
MAIN WORKS
CIVIL PACKAGE

Title
DRIVEWAY
LONGITUDINAL SECTIONS
SHEET 2

Civil Engineers and Project Managers
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www.atl.net.au
ABN 96 130 882 405

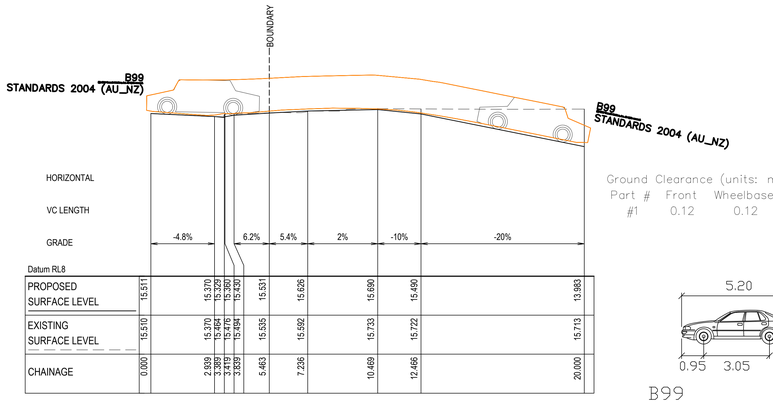
Status FOR CONSTRUCTION | A0

Project - Drawing No. CI80-0-0-03 | Issue 1

F:\24-1178 Precinct 75\6.0 Drgs\Civil\Final\1000 SERIES - MAIN WORKS\CI80-0-0-03.dwg

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: DW LS SH3		Drawing No: CI80-0-0-04		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388

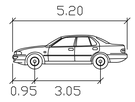


ML05 LONGITUDINAL SECTION

SCALE 1:100 HORI.
1:100 VERT.

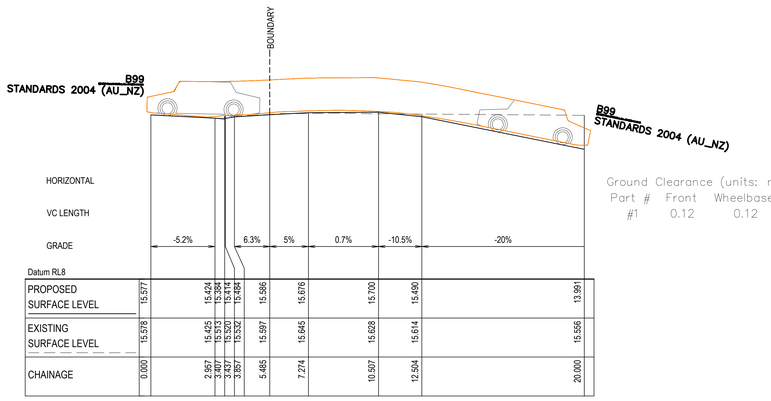
Ground Clearance (units: m)

Part #	Front	Wheelbase	Rear
#1	0.12	0.12	0.12



B99

	meters
Width	: 1.94
Track	: 1.84
Lock to Lock Time	6.0
Steering Angle	: 33.9



Ground Clearance (units: m)

Part #	Front	Wheelbase	Rear
#1	0.12	0.12	0.12

ML06 LONGITUDINAL SECTION

SCALE 1:100 HORI.
1:100 VERT.

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	26-03-25

100mm on Original

Bar Scales

0 2 4 6 8 10m

1 : 100 @ A0

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Client

CORONATION

Scales	AS SHOWN	Drawn	ASD
		Designed	ASD
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project
PRECINCT 75
ST PETERS, NSW 2044
MAIN WORKS
CIVIL PACKAGE

Title
DRIVEWAY
LONGITUDINAL SECTIONS
SHEET 3

Civil Engineers and Project Managers
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www.atl.net.au
ABN 96 130 882 405

Status: FOR CONSTRUCTION — A0

Project - Drawing No.: CI80-0-0-04 — Issue: 1

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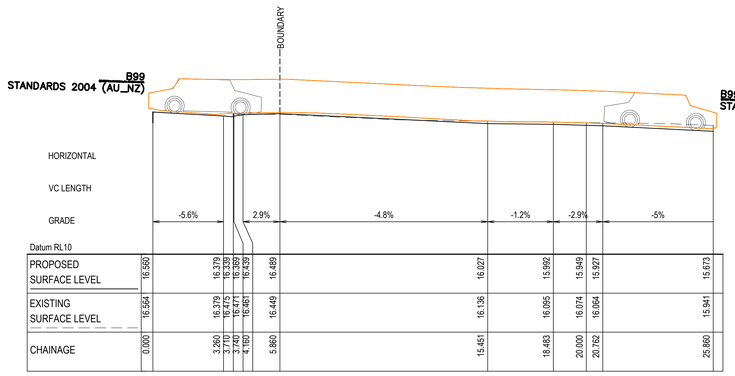
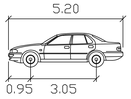
Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: DW LS SH4		Drawing No: CI80-0-0-05		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388



Ground Clearance (units: m)

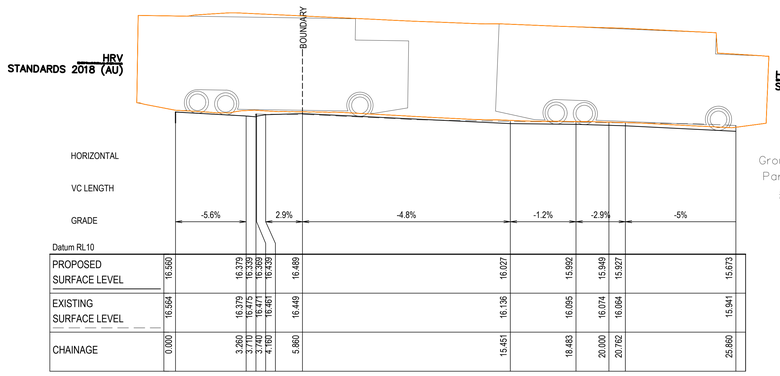
Part #	Front	Wheelbase	Rear
#1	0.12	0.12	0.12



B99

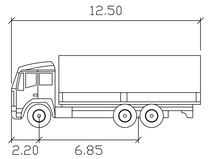
	meters
Width	: 1.94
Track	: 1.84
Lock to Lock Time	6.0
Steering Angle	: 33.9

ML07 LONGITUDINAL SECTION
SCALE 1:100 HORI.
1:100 VERT.



Ground Clearance (units: m)

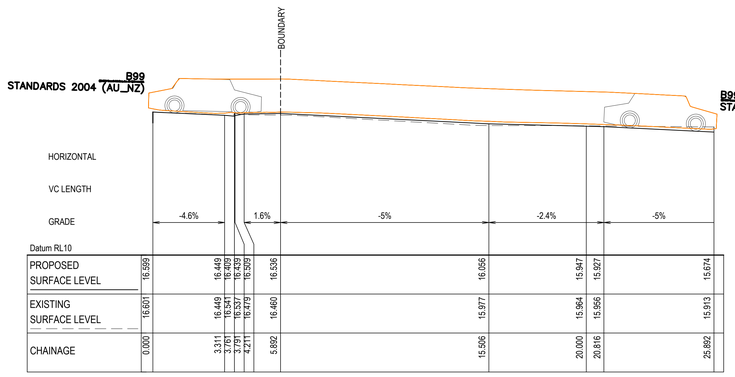
Part #	Front	Wheelbase	Rear
#1	0.15	0.24	0.15



HRV

	meters
Width	: 2.50
Track	: 2.50
Lock to Lock Time	6.0
Steering Angle	: 36.7

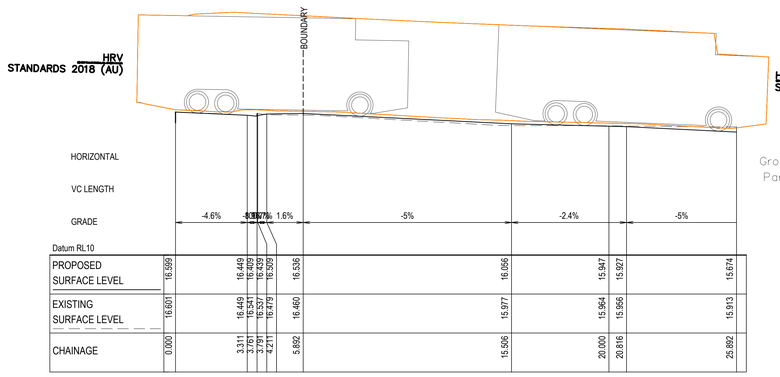
ML07 LONGITUDINAL SECTION
SCALE 1:100 HORI.
1:100 VERT.



Ground Clearance (units: m)

Part #	Front	Wheelbase	Rear
#1	0.12	0.12	0.12

ML08 LONGITUDINAL SECTION
SCALE 1:100 HORI.
1:100 VERT.



Ground Clearance (units: m)

Part #	Front	Wheelbase	Rear
#1	0.15	0.24	0.15

ML08 LONGITUDINAL SECTION
SCALE 1:100 HORI.
1:100 VERT.

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	26-03-25

100mm on Original

Bar Scales
0 2 4 6 8 10m
1 : 100 @ A0

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Client: CORONATION

Scales: AS SHOWN
Grid: GDA20 MGA56
Height Datum: AHD
Drawn: ASD
Designed: ASD
Checked:
Approved: AB
GDA2020

Project: PRECINCT 75
ST PETERS, NSW 2044
MAIN WORKS
CIVIL PACKAGE

Title: DRIVEWAY
LONGITUDINAL SECTIONS
SHEET 4

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
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E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

Status: FOR CONSTRUCTION
Size: A0
Project - Drawing No.: CI80-0-0-05
Issue: 1

F:\24-1178 Precinct 75\6.0 Drgs\Civil\Final\1000 SERIES - MAIN WORKS\CI80-0-0-05.dwg

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: RET WALL PLAN		Drawing No: CI90-0-0-01		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388

LEGEND

- EXISTING BOUNDARY
- PROPOSED RETAINING WALL

EDITH STREET

BUILDING 7

BUILDING 8

BUILDING A

PROPOSED OVERLAND FLOW PATH SWALE

RW01

RW02

PROPOSED STAGE 2

PROPOSED STAGE 1

BUILDING B

BUILDING 6

MAKERS WAY

RW04

ROBERTS STREET

RW03

BUILDING C

BUILDING 1

BUILDING 2

MARY STREET

ALBION LANE

ROLF LANE

MARY STREET

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	26-03-25

100mm on Original

Bar Scales

0 5 10 15 20 25m

1 : 250 @ A0

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Client: CORONATION

Scales	NTS	Drawn	ASD
		Designed	ASD
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project: PRECINCT 75
ST PETERS, NSW 2044
MAIN WORKS
CIVIL PACKAGE

Title: RETAINING WALL PLAN

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney
NSW 2060
P 02 9439 1777
E info@atl.net.au
www.atl.net.au
ABN 96 130 882 405

Status	
FOR CONSTRUCTION	A0
Project - Drawing No.	Issue
CI90-0-0-01	1

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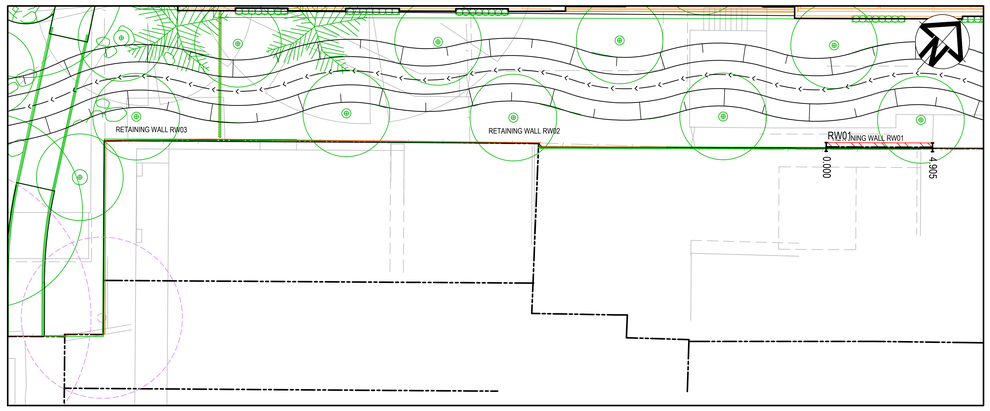
Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: RET PLAN & XSECT		Drawing No: CI90-0-0-02		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388

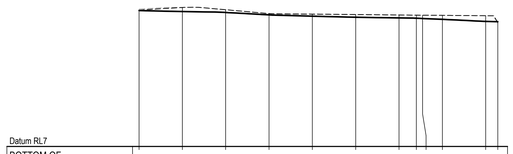


RETAINING WALL RW01, RW02 & RW03 PLAN
SCALE 1:100

Datum RL7

BOTTOM OF RETAINING WALL	13.290	13.170	13.061	13.697
TOP OF RETAINING WALL	13.275	13.434	13.593	13.665
HEIGHT OF RETAINING WALL	0	0.264	0.532	0
BOTTOM OF WALL EASTING COORDINATES	331197.09			331200.782
BOTTOM OF WALL NORTHING COORDINATES	6245927.659			6245930.899
EXISTING SURFACE LEVEL	13.290	13.170	13.061	13.697
CHAINAGE	0.000	2.000	4.000	4.905

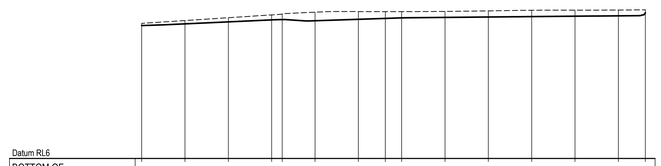
RETAINING WALL RW01 LONGITUDINAL SECTION
SCALE 1:100 HORI.
1:100 VERT.



Datum RL7

BOTTOM OF RETAINING WALL	13.273	13.229	13.185	13.073	13.013	12.867	12.835	12.819	12.805	12.867	12.772	12.761
TOP OF RETAINING WALL	13.296	13.415	13.312	13.136	13.11	13.091	13.07	13.061	13.06	13.052	13.035	12.726
HEIGHT OF RETAINING WALL	0.023	0.186	0.127	0.062	0.097	0.123	0.135	0.141	0.154	0.184	0.263	0.036
BOTTOM OF WALL EASTING COORDINATES	331196.883							331197.25	331197.863			331194.333
BOTTOM OF WALL NORTHING COORDINATES	6245927.744							6245919.318	6245919.277			6245917.074
EXISTING SURFACE LEVEL		13.419	13.309	13.130	13.099	13.082	13.064	13.059	13.059	13.054	13.038	12.684
CHAINAGE	0.000	2.000	4.000	6.000	8.000	10.000	12.000	12.708	13.059	14.000	16.000	16.558

RETAINING WALL RW02 LONGITUDINAL SECTION
SCALE 1:100 HORI.
1:100 VERT.



Datum RL6

BOTTOM OF RETAINING WALL	12.136	12.213	12.304	12.395	12.411	12.357	12.424	12.466	12.491	12.512	12.529	12.549	12.566	12.584	12.726
TOP OF RETAINING WALL	12.236	12.366	12.497	12.628	12.681	12.752	12.78	12.776	12.777	12.789	12.812	12.841	12.845	12.851	12.861
HEIGHT OF RETAINING WALL	0.100	0.153	0.193	0.233	0.271	0.395	0.356	0.311	0.287	0.277	0.283	0.292	0.278	0.267	0.135
BOTTOM OF WALL EASTING COORDINATES	331170.098				331171.833			331175.368							331194.464
BOTTOM OF WALL NORTHING COORDINATES	6245900.958				6245906.844			6245909.033							6245916.883
EXISTING SURFACE LEVEL	12.136	12.213	12.304	12.395	12.411	12.357	12.424	12.466	12.491	12.512	12.529	12.549	12.566	12.584	12.726
CHAINAGE	0.000	2.000	4.000	6.000	6.484	8.000	10.000	11.244	12.000	14.000	16.000	18.000	20.000	22.000	23.246

RETAINING WALL RW03 LONGITUDINAL SECTION
SCALE 1:100 HORI.
1:100 VERT.

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	26-03-25

Bar Scales

0 2 4 6 8 10m

1 : 100 @ A0

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Client: CORONATION

Scales	AS SHOWN	Drawn	ASD
		Designed	ASD
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS CIVIL PACKAGE

Title: RETAINING WALL PLAN AND LONGITUDINAL SECTIONS SHEET 1

Civil Engineers and Project Managers
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ABN 96 130 882 405

Status: FOR CONSTRUCTION — A0

Project - Drawing No.: CI90-0-0-02 — Issue: 1

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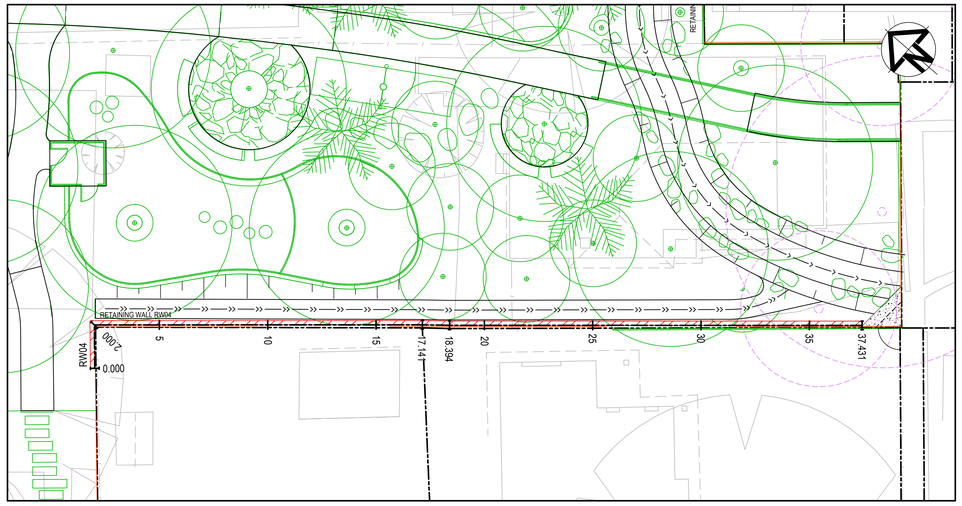
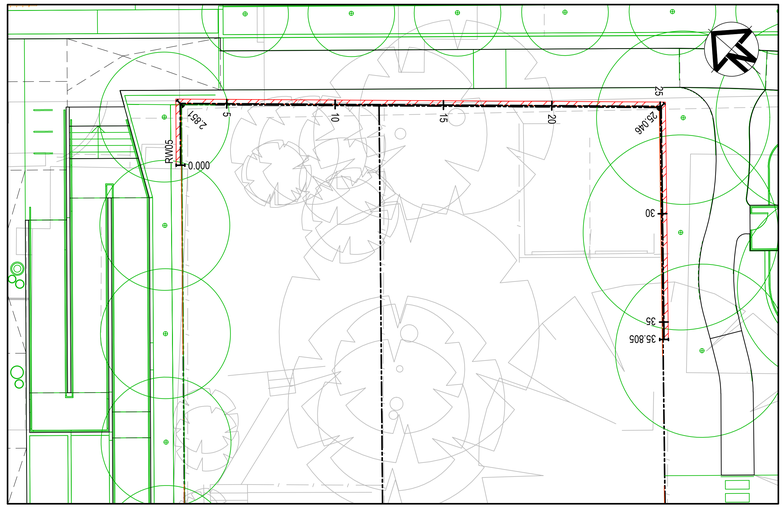
100mm on Original

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

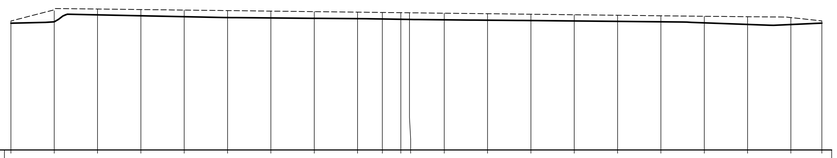
Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: RET PLAN & XSECT		Drawing No: CI90-0-0-03		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388



RETAINING WALLS RW04 PLAN
SCALE 1:100



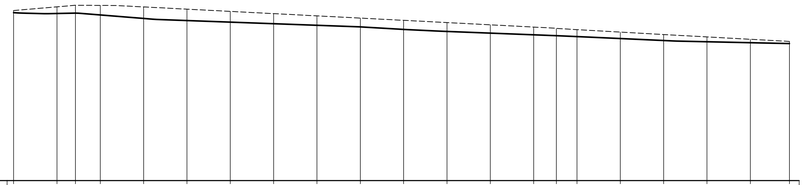
RETAINING WALLS RW05 PLAN
SCALE 1:100



Datum RL6

BOTTOM OF RETAINING WALL	11.853	11.914	12.237	12.194	12.152	12.112	12.095	12.076	12.060	12.046	12.032	12.025	12.009	11.991	11.973	11.954	11.935	11.916	11.869	11.796	11.791	11.857
TOP OF RETAINING WALL	11.953	12.422	12.506	12.482	12.458	12.434	12.41	12.386	12.362	12.348	12.337	12.333	12.314	12.29	12.266	12.242	12.218	12.194	12.171	12.151	12.112	11.957
HEIGHT OF RETAINING WALL	0.100	0.508	0.269	0.288	0.306	0.321	0.315	0.310	0.301	0.302	0.306	0.307	0.305	0.299	0.293	0.288	0.283	0.278	0.302	0.355	0.321	0.100
BOTTOM OF WALL EASTING COORDINATES	331142.161	331143.659								331153.582		331154.386										331166.853
BOTTOM OF WALL NORTHING COORDINATES	6245917.301	6245918.627								6245907.19		6245906.23										6245891.843
EXISTING SURFACE LEVEL	11.853	11.914	12.237	12.194	12.152	12.112	12.095	12.076	12.060	12.046	12.032	12.025	12.009	11.991	11.973	11.954	11.935	11.916	11.869	11.796	11.791	11.857
CHAINAGE	0.000	2.000	4.000	6.000	8.000	10.000	12.000	14.000	16.000	17.141	18.000	18.394	20.000	22.000	24.000	26.000	28.000	30.000	32.000	34.000	36.000	37.431

RETAINING WALL RW04 LONGITUDINAL SECTION
SCALE 1:100 HORI.
1:100 VERT.



Datum RL6

BOTTOM OF RETAINING WALL	13.749	13.711	13.730	13.645	13.482	13.387	13.314	13.241	13.167	13.094	12.977	12.884	12.806	12.729	12.686	12.645	12.555	12.465	12.407	12.362	12.322
TOP OF RETAINING WALL	13.849	14.008	14.091	14.085	14.015	13.912	13.808	13.705	13.602	13.459	13.396	13.293	13.19	13.087	13.011	12.959	12.85	12.74	12.631	12.521	12.422
HEIGHT OF RETAINING WALL	0.100	0.297	0.361	0.440	0.533	0.524	0.495	0.465	0.435	0.405	0.419	0.409	0.384	0.358	0.325	0.314	0.294	0.275	0.224	0.159	0.100
BOTTOM OF WALL EASTING COORDINATES	331132.016		331135.058												331149.496						331141.455
BOTTOM OF WALL NORTHING COORDINATES	6245946.816		6245948.666												6245931.837						6245924.668
EXISTING SURFACE LEVEL	13.749	13.711	13.730	13.645	13.482	13.387	13.314	13.241	13.167	13.094	12.977	12.884	12.806	12.729	12.686	12.645	12.555	12.465	12.407	12.362	12.322
CHAINAGE	0.000	2.000	2.651	4.000	6.000	8.000	10.000	12.000	14.000	16.000	18.000	20.000	22.000	24.000	25.046	26.000	28.000	30.000	32.000	34.000	35.805

RETAINING WALL RW05 LONGITUDINAL SECTION
SCALE 1:100 HORI.
1:100 VERT.

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	26-03-25

100mm on Original

Bar Scales

0 2 4 6 8 10m

1 : 100 @ A0

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Client

CORONATION

Scales		Drawn	ASD
AS SHOWN		Designed	ASD
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project
PRECINCT 75
ST PETERS, NSW 2044
MAIN WORKS
CIVIL PACKAGE

Title
RETAINING WALL
PLAN AND
LONGITUDINAL SECTIONS
SHEET 2

Civil Engineers and Project Managers
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Status		
FOR CONSTRUCTION		A0
Project - Drawing No.		Issue
CI90-0-0-03		1

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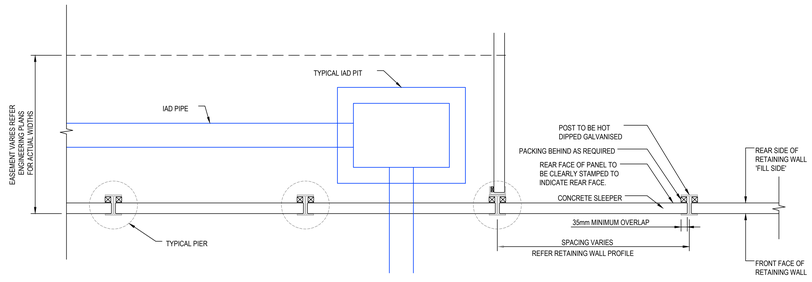
Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

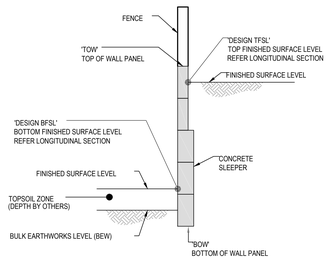
Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: RET WALL DET. 1		Drawing No: CI90-0-0-05		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388

NOTES:

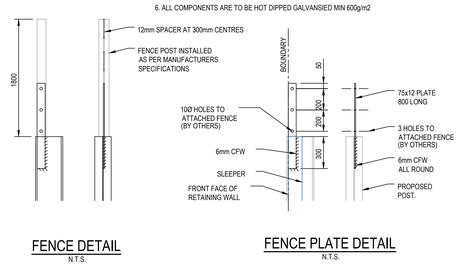
1. THIS SHEET IS TO READ IN CONJUNCTION WITH CI90-0-0-05
2. ALL RETAINING WALLS SHALL BE CONTAINED WHOLLY WITH THE SITE.
3. RETAINING WALL LOCATION/SETOUT TO BE REVIEWED WITH THE PROJECT SUPERINTENDENT PRIOR TO CONSTRUCTION.
4. ALL MEASUREMENTS ARE IN MILLIMETRES UNO.
5. ALL WELDS TO BE 6mm CFW UNO
6. ALL COMPONENTS ARE TO BE HOT DIPPED GALVANSIED MIN 600g/m2



TYPICAL CONCRETE SLEEPER RETAINING WALL PLAN
N.T.S.

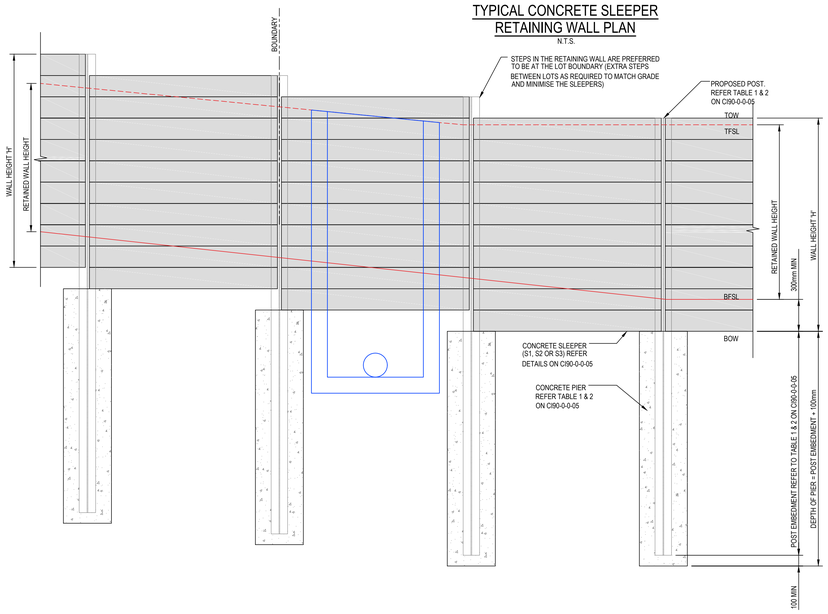


TYPICAL RETAINING WALL NAMING CONVENTION
N.T.S.

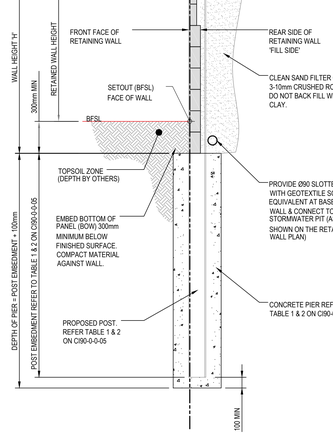


FENCE DETAIL
N.T.S.

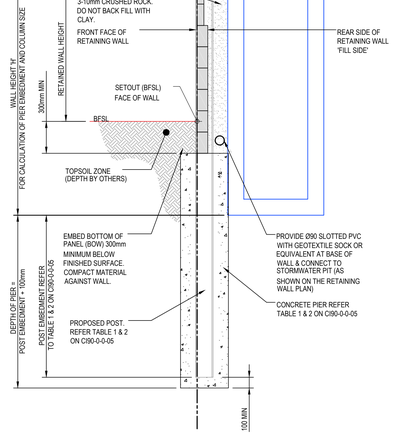
FENCE PLATE DETAIL
N.T.S.



TYPICAL CONCRETE SLEEPER RETAINING WALL ELEVATION
N.T.S.



TYPICAL CONCRETE SLEEPER RETAINING WALL SECTION WITHOUT IAD PIT
N.T.S.



TYPICAL CONCRETE SLEEPER RETAINING WALL SECTION WITH IAD PIT
N.T.S.

Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	26-03-25

100mm on Original

Bar Scales

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Client: CORONATION

Scales	AS SHOWN	Drawn	ASD
		Designed	ASD
Grid	GDA20 MGA56	Checked	
Height Datum	AHD	Approved	AB

GDA2020

Project: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS CIVIL PACKAGE

Title: RETAINING WALL DETAILS SHEET 1

Civil Engineers and Project Managers
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ABN 96 130 882 405

Status		
FOR CONSTRUCTION		A0
Project - Drawing No.		Issue
CI90-0-0-05		1

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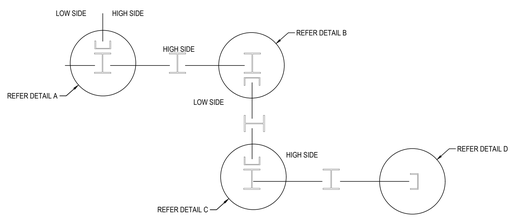
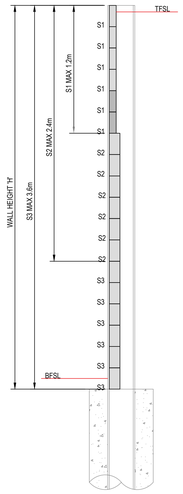
Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

Regulated Design Record				
Project Address: 67 & 73 EDITH ST, ST PETERS				
Project Title: PRECINCT 75 ST PETERS, NSW 2044 MAIN WORKS				
Consent No: DA/2021/0800		Body Corporate Reg No: -		
Drawing Title: RET WALL DET. 2		Drawing No: CI90-0-0-06		
Rev	**Date dd.mm.yy**	**Description**	**DP Full Name**	**Reg No**
1	26-03-25	FOR CONSTRUCT	Andrew Tweedie	DEP0001388

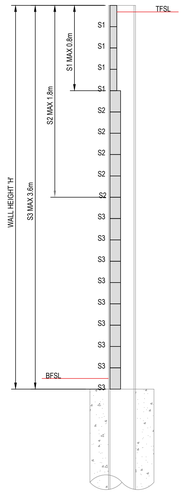
1. THIS SHEET IS TO READ IN CONJUNCTION WITH CI90-0-0-04.



TYPICAL FOOTING / POST PLAN
N.T.S.



TYPICAL SLEEPER ARRANGEMENT
PIER SPACING 1.5m
N.T.S.
REFER TO TABLE 1 FOR DETAILS



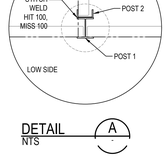
TYPICAL SLEEPER ARRANGEMENT
PIER SPACING 1.8m
N.T.S.
REFER TO TABLE 2 FOR DETAILS

TABLE 1. PIER SPACING 1.5m AND 5 kPa SURCHARGE						
WALL HEIGHT H	POST SIZE	END POST SIZE	MINIMUM SLEEPER SIZE	PIER DIAMETER	PIER EMBEDMENT IN SAND (SOFT) LATERAL BEARING PRESSURE 60 kPa	PIER EMBEDMENT IN CLAY (FIRM) LATERAL BEARING PRESSURE 100 kPa
m				mm	m	m
0.8	100UC15	100PFC	S1	300	1.7	1.2
1	100UC15	100PFC	S1	300	2.3	1.6
1.2	100UC15	100PFC	S1	300	2.9	2.0
1.4	150UC23	150PFC	S1+S2	450	2.7	1.9
1.6	150UC23	150PFC	S1+S2	450	3.3	2.3
1.8	150UC23	150PFC	S1+S2	450	3.9	2.7
2	150UC23	150PFC	S1+S2	450	4.7	3.1
2.2	150UC23	150PFC	S1+S2	450	5.4	3.6
2.4	150UC23	150PFC	S1+S2	450	6.3	4.1
2.6	150UC30	150PFC	S1+S2+S3	600	5.7	3.8
2.8	150UC30	150PFC	S1+S2+S3	600	6.4	4.2
3	200UC46	180PFC	S1+S2+S3	600	7.2	4.8
3.2	200UC46	180PFC	S1+S2+S3	600	8.1	5.3
3.4	200UC46	180PFC	S1+S2+S3	600	9.0	5.9
3.6	200UC46	250PFC	S1+S2+S3	600	9.9	6.5

NOTES:
1. PIER EMBEDMENT FOR WALLS 0 TO 800mm HIGH ARE TO MATCH THE DIMENSIONS SHOWN FOR THE 0.8m HEIGHT

TABLE 2. PIER SPACING 1.8m AND 5 kPa SURCHARGE						
WALL HEIGHT H	POST SIZE	END POST SIZE	MINIMUM SLEEPER SIZE	PIER DIAMETER	PIER EMBEDMENT IN SAND (SOFT) LATERAL BEARING PRESSURE 60 kPa	PIER EMBEDMENT IN CLAY (FIRM) LATERAL BEARING PRESSURE 100 kPa
m				mm	m	m
0.8	100UC15	100PFC	S1	300	1.9	1.4
1	150UC23	150PFC	S1+S2	300	2.6	1.8
1.2	150UC23	150PFC	S1+S2	300	3.4	2.3
1.4	150UC23	150PFC	S1+S2	450	3.1	2.1
1.6	150UC23	150PFC	S1+S2	450	3.8	2.6
1.8	150UC23	150PFC	S1+S2	450	4.6	3.1
2	150UC23	150PFC	S1+S2+S3	450	5.4	3.6
2.2	150UC23	150PFC	S1+S2+S3	450	6.3	4.2
2.4	150UC30	150PFC	S1+S2+S3	450	7.4	4.8
2.6	150UC30	150PFC	S1+S2+S3	600	6.6	4.3
2.8	200UC46	180PFC	S1+S2+S3	600	7.5	4.9
3	200UC46	180PFC	S1+S2+S3	600	8.4	5.5
3.2	200UC46	230PFC	S1+S2+S3	600	9.5	6.1
3.4	200UC46	230PFC	S1+S2+S3	600	10.5	6.8
3.6	200UC46	250PFC	S1+S2+S3	600	11.7	7.5

NOTES:
1. PIER EMBEDMENT FOR WALLS 0 TO 800mm HIGH ARE TO MATCH THE DIMENSIONS SHOWN FOR THE 0.8m HEIGHT



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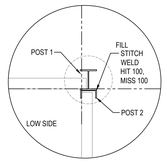

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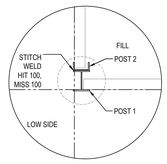

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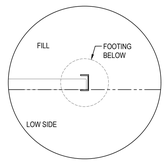

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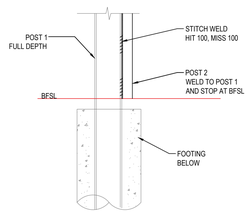

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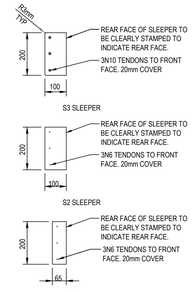

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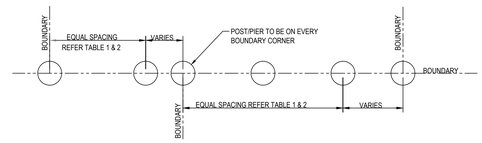

TYPICAL POST LAYOUT
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Issue	Description	Date
1	ISSUED FOR CONSTRUCTION	26-03-25

100mm on Original

Bar Scales

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Client: CORONATION

Scales: AS SHOWN
Grid: GDA20 MGA56
Height Datum: AHD
Drawn: ASD
Designed: ASD
Checked:
Approved: AB
GDA2020

Project: PRECINCT 75
ST PETERS, NSW 2044
MAIN WORKS
CIVIL PACKAGE

Title: RETAINING WALL DETAILS SHEET 2

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Status: FOR CONSTRUCTION
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Project - Drawing No.: CI90-0-0-06
Issue: 1

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

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Appendix B – Stormwater Management Plan Report by Stantec

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Version: 1, Version Date: 01/04/2025

Precinct 75

Stormwater Management Report

Prepared for: HOME

Date: 26th May 2023

Prepared by: Lauren Todd

Ref: 301350227

Stantec Australia Pty Ltd
Level 9, The Forum, 203 Pacific Highway, St Leonards NSW 2065
Tel: +61 2 8484 7000 Web: www.stantec.com

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Stantec

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

Revision

Site Address:	67 Mary Street, St Peters 73-83 Mary Street, St Peters 43 Roberts Street, St Peters 50-52 Edith Street, St Peters
Real Property Description:	Lot 1, DP1283113
Proposed Development:	Mixed use development
Client:	Home
Local Authority	Inner West Council
Authority Reference #:	2021/0800
Stantec Reference:	3013-SWMP_008

Melissa Diaz Rundie

Civil Project Technical Lead

For and on behalf of
Stantec Australia Pty Ltd

Revision	Date	Comment	Prepared By	Approved By
001	09.07.21	Draft DA Issue	GYD	RET
002	30.07.21	Draft DA Issue	GYD	RET
003	02.08.21	Draft DA Issue	GYD	RET
004	13.08.21	DA Issue	GYD	RET
005	26.04.22	Draft D & C Tender Issue	LPT	JMB
006	12.05.23	Draft Issue for S4.56 Approval	LPT	MDR
007	19.05.23	Issue for S4.56 Approval	LPT	MDR
008	26.05.23	Issue for S4.56 Approval	LPT	MDR

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Certified System
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1. Introduction

Stantec have been commissioned by Home to prepare this Stormwater Management Plan (SWMP) in support of the Development Application for the proposed redevelopment of Precinct 75 at 67 and 73-83 Mary Street, 43 Roberts Street, and 50-52 Edith Street, St Peters. The site comprises Lot 1 DP1283113.

This SWMP outlines the conceptual DA level stormwater design for the proposed development of a mixed-use build-to-rent residential and commercial/ light industrial precinct.

This SWMP illustrates that the proposed development complies with the conditions set out by Inner West Council, Australian Rainfall and Runoff (ARR) 2021, Australian Standards and best engineering practices.

The purpose of this SWMP is to evaluate the quantity and quality of stormwater associated with the proposed development plan so as to demonstrate to Council that an appropriate stormwater management strategy has been adopted.

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2. Civil Services

2.1 Purpose of this Document

The purpose of this document is to describe the stormwater services in relation to the development at Precinct 75 at 67 and 73-83 Mary Street, 43 Roberts Street, and 50-52 Edith Street, St Peters.

2.2 Reference Documents

This report is based on the following reference documents:-

- Survey Plan by TSS Total Surveying Solutions, dated 02/08/2021 (REF: '210481-2')
- Architectural Plans - Proposed by Cox, dated 24/05/2023 (For Information Arch Documentation Ref '220160.00')
- Dial Before You Dig.

2.3 Civil Scope of Work

The Civil Services scope of work consists of the following services:-

- Grading Design and Preliminary Bulk Earthworks;
- Stormwater Drainage works and OSD;
- Existing and proposed connections to the drainage system;
- Flooding and advice on FFLs;
- WSUD requirements, and;
- Sediment and erosion control.

The civil scope for proposed stormwater drainage shall comprise of the in-ground pit and pipe network external to the building and external overland flow paths. For stormwater drainage associated with roof drainage, refer to the Hydraulic Engineer's design documentation.

2.4 Limitations

This report is based primarily on the information provided by the architect, design team, survey drawings, site inspections, and information communicated during the design development process. Any assumptions made through the design process have been communicated in this report.

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3. Abbreviations Definitions

AEP	Annual Exceedance Probability
AHD	Australian Height Datum
ARI	Average Recurrence Interval
ARR	Australian Rainfall and Runoff
BoM	Bureau of Meteorology
DA	Development Application
DCP	Development Control Plan
DN	Diameter Nominal (mm)
EY	Exceedances per Year
FFL	Finished Floor Level
FPL	Flood Planning Level
GPT	Gross Pollutant Trap
IFD	Intensity-Frequency-Duration
IL	Invert Level
L/s	Litres per second
m/s	Metres per second
MUSIC	Model for Urban Stormwater Improvement Conceptualisation
OSD	On-Site Stormwater Detention
PSD	Permissible Site Discharge
RCP	Reinforced Concrete Pipe
RL	Relative Level
RWT	Rainwater Tank
SID	Safety In Design
SSR	Site Storage Requirement
WSUD	Water Sensitive Urban Design

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4. Relevant Policies, Standards and Guidelines

The following listed policies, standards and guidelines were referred to in the preparation of this report:

- The Marrickville Council DCP (2.25 Stormwater Management) 2011
- The Marrickville Council DCP (9.48 Precinct 75 – Mary, Robert and Edith Street) 2011
- The Marrickville Council DCP (2.17 Water Sensitive Urban Design) 2011
- Alexander Canal Catchment Flood Study Report 2014
- Australian Rainfall & Runoff (ARR) 2019;
- AS3500 parts 0-5: 2021 Plumbing and Drainage
- Landcom Managing Urban Stormwater: Soils and Construction Volume 1 2004
- NSW Floodplain Development Manual 2005
- Guidelines for development adjoining land and water managed by DECCW (OEH, 2013)

Item	Design Criteria
Stormwater Drainage	Australian Rainfall and Runoff (ARR) 2019 AS/NZS 3500.3-2021 – Stormwater Drainage AS 2865 – 2009 Safe Working in a Confined Space The Marrickville Council DCP (2.25 Stormwater Management) 2011
On-Site Detention (OSD) Tank	AS/NZS 3500.3-2021 – Stormwater Drainage AS 2865 – 2009 Safe Working in a Confined Space The Marrickville Council DCP (2.25 Stormwater Management) 2011
Flooding and FFLs	The Marrickville Council DCP (2.25 Stormwater Management) 2011 Alexander Canal Catchment Flood Study Report 2014
Stormwater Quality	The Marrickville Council DCP (2.17 Water Sensitive Urban Design) 2011
Sediment and Erosion Control	Landcom 'Blue Book' – Managing Urban Stormwater Soils and Construction Guideline Edition

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5. Existing Site Characteristics

5.1 Property Detail

The proposed development forms part of the site with the following property details:

Site Address:	67 Mary Street, St Peters, 73-83 Mary Street, St Peters, 43 Roberts Street, St Peters, 50-52 Edith Street, St Peters
Real Property Description:	Lot 1/DP1283113
Development Area:	15,240m² (1.52Ha)

The proposed development can be seen on the Civil Design Documentation shown in Appendix A of this report.

The proposed mixed-use development consists of two levels of basement carparking and 8 buildings total incorporating retail/commercial and residential tenancies.

The overall site is bounded by:

- Edith Street to the North East
- Mary Street to the South West
- Residential Neighbouring Properties to the North West
- Residential Neighbouring Properties and Roberts Street to the South East

Refer to locality plan in Figure 1 for further clarification.

Figure 1: Site Location Plan (Source: Nearmaps 2021)

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5.2 Topography

The pre-development site consists of a concrete carpark, and mixed-use industrial developments.

The local topography around the site shows that the site primarily falls North-East to South-West. The highest point of the site is located along the North-Eastern boundary at a level of RL 17 m AHD and the lowest point located along the South-West boundary at a level of RL 10 m AHD. This is an average slope of approximately 6%.

Figure 2: Site Topography (Mecone Mosaic 2021)

5.3 Stormwater Catchments

The surrounding area has been investigated to determine the likely impact of existing external stormwater catchments on the proposed site.

The site is currently surrounded by residential developments and roadway, so it is believed that little to no external catchments impact the development site. The neighbouring properties are largely developed and hence, it is assumed they have fully functioning stormwater infrastructure, which will capture and convey stormwater to the council system.

The stormwater management strategy proposes to convey the entire catchment within the extent of works towards Mary Street in alignment with the existing fall of the site.

5.4 Existing Stormwater Infrastructure

Through analysis of survey information, pit and pipe infrastructure has been identified external to the site, and within the site. It is assumed that all roof catchments are conveyed through formalised gutter and downpipe systems and discharged into on lot inground drainage infrastructure before discharging from the site to the council drainage system.

Through review of information provided by council, formalised drainage surrounding the development site has been identified in Figure 3. Refer to Stantec's mark-ups in red for clarification of the connection point and discharge point between the civil drainage system and the council drainage system. For further information on the existing stormwater network internal of the site, Refer to Appendix A Civil Design Documentation.

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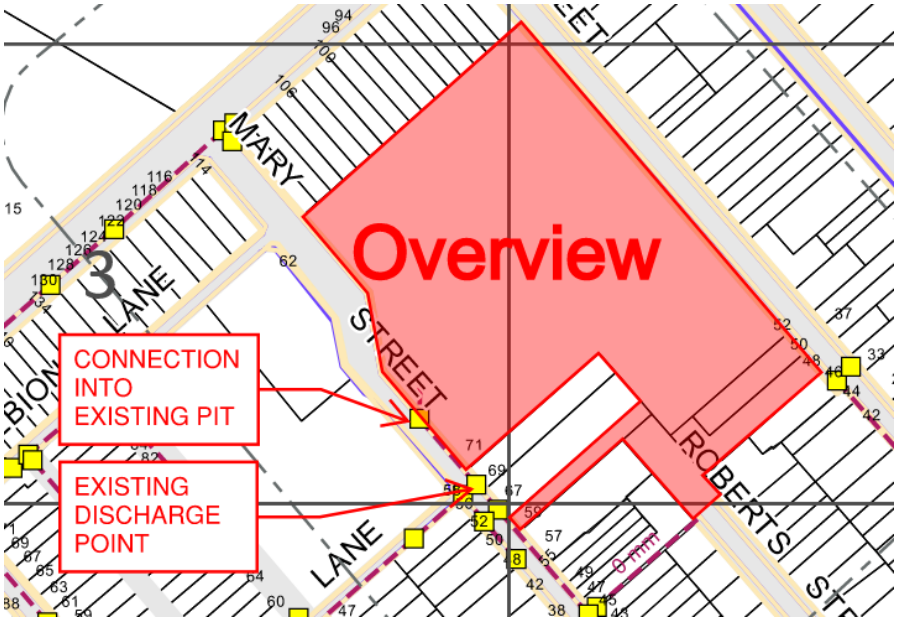

Figure 3: External Stormwater Infrastructure (Source: Marrickville Council, 2021)

5.5 Existing Stormwater Discharge

It has been determined that the existing residential lots on Edith Street discharge directly to the kerb on Edith Street. The remainder of the site appears to discharge towards Mary Street via overflow through a culvert located beneath the existing stairs along the street frontage. Refer to Figure 4 for further information. It is assumed that the downpipes and in-ground drainage on the site discharge into the kerb inlet pit in Mary Street.

Figure 4: Stormwater Outlet on Mary Street

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6. Stormwater Drainage

6.1 Stormwater Drainage Design Requirements

Design requirements for stormwater management on the site have been set out in The Marrickville Council Development Control Plans (2011). These requirements are summarised in the sections below.

6.1.1 Stormwater Conveyance Requirements

The Marrickville Council DCP 2011 – 2.25 Stormwater Management states that the following design storm Annual Exceedance Probability's should be allowed for when designing the Stormwater runoff conveyance systems for the development. The site has been considered as Residential High Density.

Design Parameter	Annual Exceedance Probability (AEP)	Conveyance Method
Minor Drainage System	5%	In Ground (Piped)
Major Drainage System	1%	Overland

Table 1: Stormwater Drainage Serviceability

6.1.2 On Site Detention Requirements

With reference to the Marrickville Council DCP 2011, Section 2.25 Stormwater Management, the requirements for on-site detention are as follows:

- On-site detention systems shall be provided for all new developments.
- OSD systems should be designed to restrict the rate of stormwater discharge to the permissible rate of discharge for the site, for all design storm events up to and including the 1% AEP event (50% to 1% AEP events must be considered), post development discharge shall not exceed predevelopment discharge.
- For all developments greater than 1,000m^2 in site area, allowable discharges will be limited to the equivalently fully pervious discharge for the site area.
- OSD storages should be located as close as possible to the lowest points of the site, with paved areas and pipes to drain to it.

6.1.3 Stormwater Quality

With reference to the Marrickville Council DCP (2011), Section 2.17 Water Sensitive Urban Design, the requirements for the provision of stormwater treatment include the following in Figure 5.

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Urban development increases the pollution load entering local waterways. To address the impacts of urban development, the following pollution load reductions have been established for Marrickville Council.

C4 For all development types identified in Table 1, stormwater quality load reduction controls are:

i. 90% reduction in the post development mean annual load of Gross Pollutants (greater than 5mm).

ii. 85% reduction in the post development mean annual load of Total Suspended Solids (TSS).

iii. 60% reduction in the post development mean annual load of Total Phosphorus (TP).

iv. 45% reduction in the post development mean annual load of Total Nitrogen (TN).

Figure 4: Pollution Reduction Targets

6.2 Stormwater Conveyance

This section of the report discusses the systems proposed to allow for stormwater to be conveyed across the site to the legal point of discharge. Council have set serviceability requirements for the stormwater conveyance network such that minor flows are conveyed through piped drainage, and major flows are discharged via controlled overland flow.

6.2.1 Roof Drainage

The drainage system will be designed in accordance with AS3500.3-2021 to convey the minor design storm runoff from the roof to the in-ground drainage system. For storm events exceeding the design storm event, flows will surcharge the roof drainage system and discharge onto the surrounding ground where it will then be conveyed to the surrounding ground drainage within the site. Refer to the Hydraulic Engineer's design documentation for details of the roof drainage.

6.2.2 Surface Drainage

The surface areas will be drained through a variety of methods, discussed below, in accordance with AS3500.3:2021 and Council's stormwater drainage guidelines. The in-ground drainage has been designed to meet the following criteria:-

- The minor (piped) drainage system must be designed to convey stormwater runoff for storm events up to, and including, the 5% Average Exceedance Probability (AEP) storm event, and;
- The major (overland) drainage system must be designed to convey stormwater runoff for storm events up to, and including, the 1% Average Exceedance Probability (AEP) storm event.

Surface runoff from the plaza/ carpark and surrounding landscapes areas will be directed to stormwater inlet structures using the design topography of these elements. The inlet structures have been designed to adequately convey the surface runoff into the in-ground drainage network.

The runoff will then be conveyed below-ground across the site to the two on-site detention basins and then the legal point of discharge using gravity and the geometric falls of the pipe system.

6.2.3 Legal Point of Discharge

As discussed in Section 4.5, the development area has one legal point of discharge, located on Mary Street, on the South-West boundary of the site. This is the proposed legal point of discharge and is indicated in Figure 3.

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7. Stormwater Attenuation

As discussed in section 5.2, the attenuation of stormwater discharge from the site will be provided in accordance with the Marrickville Council Development Control Plan requirements (2011). Hydraulic modelling in DRAINS software has been used to determine the required on-site detention so as to restrict discharge from the development site back to pervious predevelopment discharge rates for all storm events from the 5% AEP event up to the 1% AEP event.

Two OSD tanks have been proposed for the site. Both tanks incorporate orifice plates leading into a discharge control pit to control the minor storm events and an overflow weir for the major (1% AEP) storm events. Details of tank and orifice sizes can be seen in the table below.

	Detention Volume Provided (m^3)	Orifice Plate Diameter (mm)
OSD Tank 1	637	320
OSD Tank 2	197	200

Table 2: On-Site Detention Tank Specifications

DRAINS modelling results show that the tanks indicated above adequately restrict discharge back to predevelopment fully pervious conditions. Results have been summarised in the table below.

AEP Rainfall Event	Predevelopment Discharge (m^3/s)	OSD Tank 1 Discharge (m^3/s)	OSD Tank 2 Discharge (m^3/s)	Total Site Peak Discharge (m^3/s)
50% AEP	0.346	0.112	0.055	0.225
20% AEP	0.412	0.132	0.063	0.245
10% AEP	0.487	0.143	0.067	0.262
5% AEP	0.553	0.152	0.075	0.270
2% AEP	0.630	0.161	0.078	0.304
1% AEP	0.692	0.167	0.081	0.307

Table 3: DRAINS Results Summary

Discharge from the OSD tank shall be directed to the existing stormwater infrastructure within Mary Street. As the existing pit and pipe network already caters for the existing catchment, and no additional catchment is being diverted to this pit, it is believed that this system has sufficient capacity to cater for the flows generated from the development with two OSD tanks.

7.1.1 DRAINS Input Parameters

A DRAINS model has been prepared to verify the site stormwater drainage system. DRAINS is a runoff routing software program which assesses stormwater drainage hydraulics based on catchment hydrology input from various sources including the Bureau of Meteorology (BoM) and the Australian Rainfall and Runoff (ARR) Datahub.

The parameters used in the DRAINS model are as follows:-

- *Soil Type – Normal* *3.0*
- *Paved (Impervious) Area Depression Storage* *1mm*

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- *Supplementary Area Depression Storage* *1mm*
- *Grassed (Pervious) Area Depression Storage* *5mm*
- *Antecedent Moisture Condition* *3.0*
- *Minimum Pit Blockage (Sag Pits)* *0.5*
- *Minimum Pit Blockage (On-Grade Pits)* *0.2*
- *Minimum Pit Freeboard* *150mm*
- *Minimum Fall Across Pits* *30mm*

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8. Flood Impact Assessment

When considering a new development, it is important to assess the impact of existing flooding on the proposed development and also the impact of the proposed development on existing or potential flooding both upstream and downstream of the development.

8.1 Existing Flooding

8.1.1 Regional Flooding

The site has been identified in the Alexander Canal Flood Report (2014) as being impacted by a trapped low point in Edith Street. When the inground drainage network in Edith Street reaches capacity and ponding occurs in the roadway, stormwater overtops the kerb and travels overland from Edith Street through to Robert Street and ultimately onto Mary Street.

As part of the development, the Precinct 75 DCP (2011) states that a formalised overland flow path from Edith Street to Robert Street must be incorporated into the stormwater management strategy to allow for safe conveyance of stormwater that exceeds the capacity of the inground drainage network in Edith Street.

8.1.2 Local Flooding

Local or Nuisance flooding describes flooding occurring due to site specific constraints. Local flooding is often caused by local topographical constraints and stormwater drainage system capacity restrictions.

Stantec have assessed the local constraints surrounding and through the site to ascertain any areas where local flooding may be an issue.

The topography of the site is such that there is no risk of flooding on the site as it currently exists.

8.2 Flood Impacts

As previously mentioned, the proposed site is flood affected and sustains overland flows from Edith Street. To mitigate impacts of flooding on the proposed development as well as impact from the development on existing flooding a channel through the site has been designed to control the flood water.

Integrated Group Services (IGS) undertook an Engineering Services Due Diligence Report dated September 2017 which includes the flood results from the Lucas Consulting Engineers Flood Report dated March 1998 as provided by Inner West Council. The report has been attached for reference in Appendix A and details a 1% AEP flood level of 14.78m within Edith Street, as well as 0.45m^3/s flow rate from the low point to be accounted for in the overland flow path calculations.

Two trapezoidal shaped swales have been proposed along Makers Way driveway on either side of the trees. These swales are designed to manage water runoff and filter pollution. A smooth transition between the swales and the proposed dissipation area will be provided.

Each trapezoidal swale was calculated to comply with the following design parameters:

- Flow rate of 0.244m^3/s
- A depth of 0.2mm
- A maximum Depth x Velocity ratio of 0.325 m^2/s.
- Total width of 1.15m each
- Rip rap surface lining
- Batters slope of 1:2

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TRAPEZOIDAL OPEN CHANNEL BY MANNING EQUATION

Flow Depth	=	0.200	m	
Left Side Slope	=	50.000	%	
Right Side Slope	=	50.000	%	
Base Width	=	0.350	m	
Channel Slope	=	4.000	%	
Manning Roughness n	=	0.030		
Width of Left Side	=	0.400	m	
Width of Right Side	=	0.400	m	
Flow Width	=	1.150	m	
Flow Area	=	0.150	m2	
Wetted Perimeter	=	1.244	m	
Hydraulic Radius	=	0.121	m	
Velocity	=	1.627	m/s	
Depth x Velocity	=	0.325	m2/s	(< 0.4 limit) OK
Flow	=	0.244	m3/s	= **244.0 L/s**

Figure 6: Overland Flow Path Calculation

The proposed overland flow path has been outlined in the figure below. The overland flow path will follow the natural grade of the site from Edith Street to Roberts Street where it will discharge into the existing open channel connecting Roberts Street to Mary Street. The maximum flow depth has been calculated to be 178mm. It has been designed such that there are no building entrances or wall penetrations located in the overland flow path.

The minimum doorway level of all proposed buildings and access driveways to basement that could be affected by the 1% AEP water level along Edith Street, must allow a 500mm freeboard.

Flood Planning Level (FPL) should be 500mm above the 1% AEP: 14.78m +0.5m= 15.28m AHD

As shown above, it is noted that the proposed finished floor level at every access to the buildings, that could be affected by the 1% AEP flood level along Edith Street, should satisfy council's requirements, so the site is not at risk of flooding during major storm events.

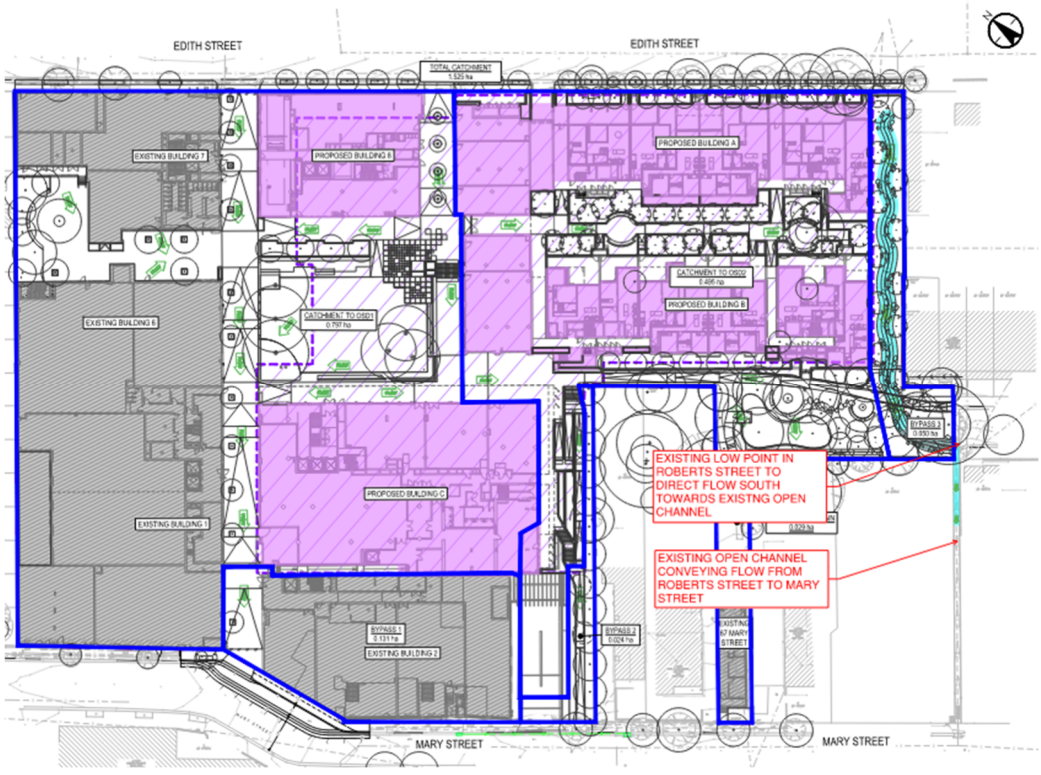

Figure 8: Proposed Overland Flow Path

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9. Water Quality Treatment

As discussed in section 5.3 of this report The Marrickville Council DCP (2011) require stormwater quality treatment on new developments to reduce the pollutant loading of stormwater discharged into the council drainage system.

This section of the report describes the proposed Stormwater Quality Improvement Devices (SQID's) and the effectiveness of the treatment system in achieving the reduction targets set by council for the proposed development.

9.1 Potential Pollutants

There are a wide range of potential stormwater pollutant sources which occur from urbanised catchments, many which can be managed through appropriate stormwater quality treatment. Typical urban pollutants may include:

- Atmospheric deposition
- Erosion (including that from subdivision and building activities)
- Litter and debris
- Traffic emissions and vehicle wear
- Animal droppings
- Pesticides and fertilisers
- Application, storage and wash-off of car oil, detergents and other household and commercial solvents and chemicals
- Solid's accumulation and growth in stormwater systems
- Weathering of buildings

The following specific pollutants in urban stormwater assessed through water quality modelling and management include:

- Suspended Solids
- Litter
- Nutrients such as Nitrogen and Phosphorous
- Biological oxygen demand (BOD) and chemical oxygen demand (COD) materials
- Micro-organisms
- Toxic organics
- Trace metals
- Oils and surfactants

While only the key pollutants underlined above will be examined within the modelling, the Stormwater Quality Improvement Devices implemented are expected to assist in reducing a wide range of pollutants. For example, heavy metals are commonly associated with, and bound to fine sediments. This reduces the discharge of fine sediment during the construction and operational phases will also reduce the discharge of heavy metals to existing stormwater systems.

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9.2 Pollutant Reduction System

In order to achieve the pollutant reduction targets specified in section 5.3 of this report, a series of treatment devices are proposed within the stormwater network which form a treatment train.

The diagram below shows a typical treatment train:

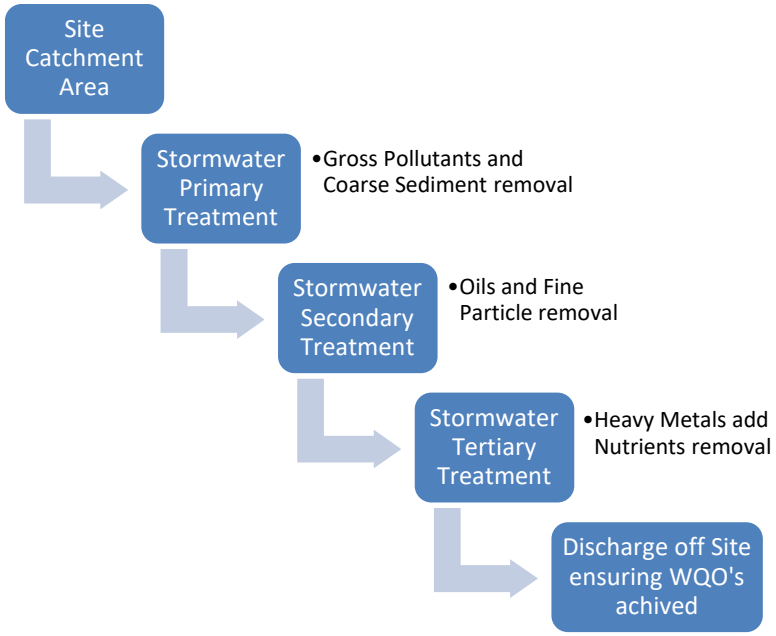

Figure 9: Treatment Train

9.2.1 Water Treatment Modelling

In order to demonstrate that the proposed treatment train meets the required reduction targets, a pollutant reduction model has been generated using the Model for Urban Stormwater Improvement Conceptualisation (MUSIC) Software program Version 6.3 by eWater CRC. Pollutant export rates are currently only available for Total Suspended Solids (TSS), Total Nitrogen (TN), Total Phosphorus (TP) and Gross Pollutants (GP). Therefore, only quantitative modelling for TSS, TN, TP & GN has been undertaken using MUSIC.

Modelling has only been undertaken on the post-development proposal with SQID's installed so as to demonstrate the percentage reduction for each pollutant type.

The proposed treatment train includes the following:

- Ocean Protect Cartridge Filters proposed within the On-Site Detention Tanks
- Ocean Guard Baskets proposed within the stormwater inlet pits
- Rainwater re-use tank
- Grassed swale
- Filterra System (Bioretention)

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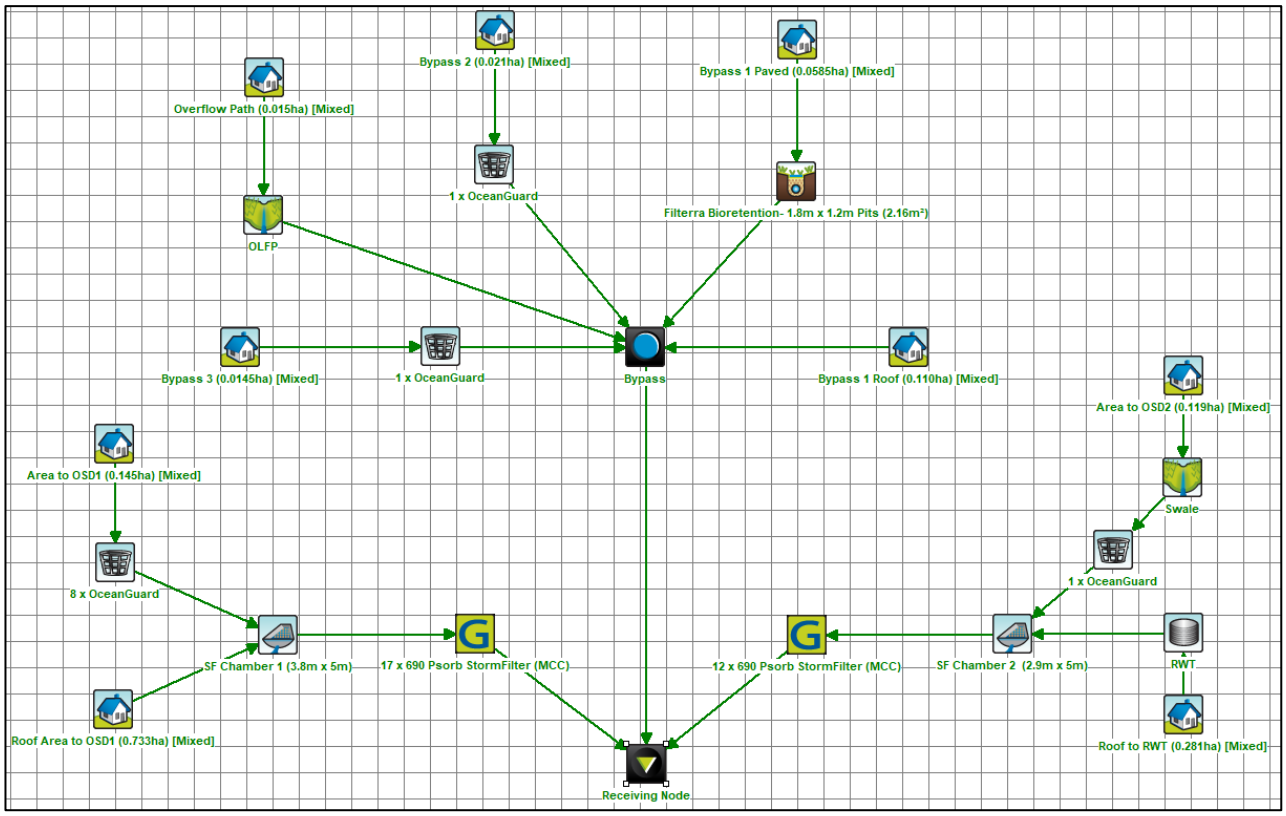

Figure 10: MUSIC Model Treatment Train

	Sources	Residual Load	% Reduction
Flow (ML/yr)	13.3	12.7	4.3
Total Suspended Solids (kg/yr)	676	103	84.8
Total Phosphorus (kg/yr)	2.31	0.675	70.8
Total Nitrogen (kg/yr)	28.9	15.2	47.4
Gross Pollutants (kg/yr)	358	29.3	91.8

Figure 11: MUSIC Modelling Results

Pollutant/Issue	Target	Reduction	Target Achieved
TSS	85%	85%	YES
Phosphorus	60%	71%	YES
Nitrogen	45%	47%	YES
Gross Pollutants	90%	92%	YES

Table 4: MUSIC Results vs. Site Targets

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9.2.2 Ocean Protect Cartridge Filters

The Ocean Protect Cartridge Filters clean stormwater through a patented passive filtration system, effectively removing pollutants to meet regulatory requirements. This treatment system uses rechargeable, self-cleaning, media-filled cartridges to absorb and retain pollutants from stormwater runoff including total suspended solids, hydrocarbons, nutrients, soluble heavy metals and other common pollutants.

- OSD Tank 1 will consist of 17 x 690Psorb StormFilter cartridges
- OSD Tank 2 will consist of 12 x 690Psorb StormFilter cartridges

9.2.3 Ocean Guard Baskets

The OceanGuard Basket is a gully pit basket designed to capture pollution that runs into stormwater drains. It can be installed into existing and new stormwater pits. The system includes filtration bag liners, designed to remove gross pollutants, total suspended solids and attached pollutants.

The filtration bag, filtration cage and flow diverter work together to maximise the flow treated and pollutants captured. This efficient hydraulic design ultimately results in captured pollutants being retained in a dry state.

OceanGuard Baskets are cost-effective, highly efficient, easy to install and simple to maintain. 11 Oceanguard Baskets have been proposed for the site and will be installed into the proposed grated pits.

9.2.4 Rainwater Tank

A Rainwater Tank is a water storage system designed to be installed on an industrial/ business development to catch rainfall on roof surfaces. These tanks can provide water for non-potable uses such as, hot water, laundry washing, vehicle washing, irrigation, and industrial wash down.

The proposed Rainwater tank shall be incorporated into the stormwater drainage system and will collect run-off from 0.281ha of non-trafficable roof area in the development and will be 13KL in size. The tank will retain and reuse rainwater for non-potable demands, including outdoor use, and laundry.

The RWT has been proposed to meet Council's request for water conservation and to increase the non-potable reuse requirement under C3 of Marrickville DCP (2011) 2.17.3 Water Conservation Requirements. The effectiveness of the RWT at meeting the demand upon it has been evaluated using MUSIC.

The Total Recycle Water Demand for this site are summarized below:

Table 4: Recycle Water Demand Rates

Landscape Irrigation Recycle Water Demand		
	Area (ha)	Water Demand (kL/year)
Total	0.1	1124

The MUSIC model designed for this site, as seen in Figure 4 below, demonstrates that 51.09% Reuse Demand is achieved.

A MUSIC catchment plan showing the catchment areas and reuse has been prepared and incorporated into the Appendix A.

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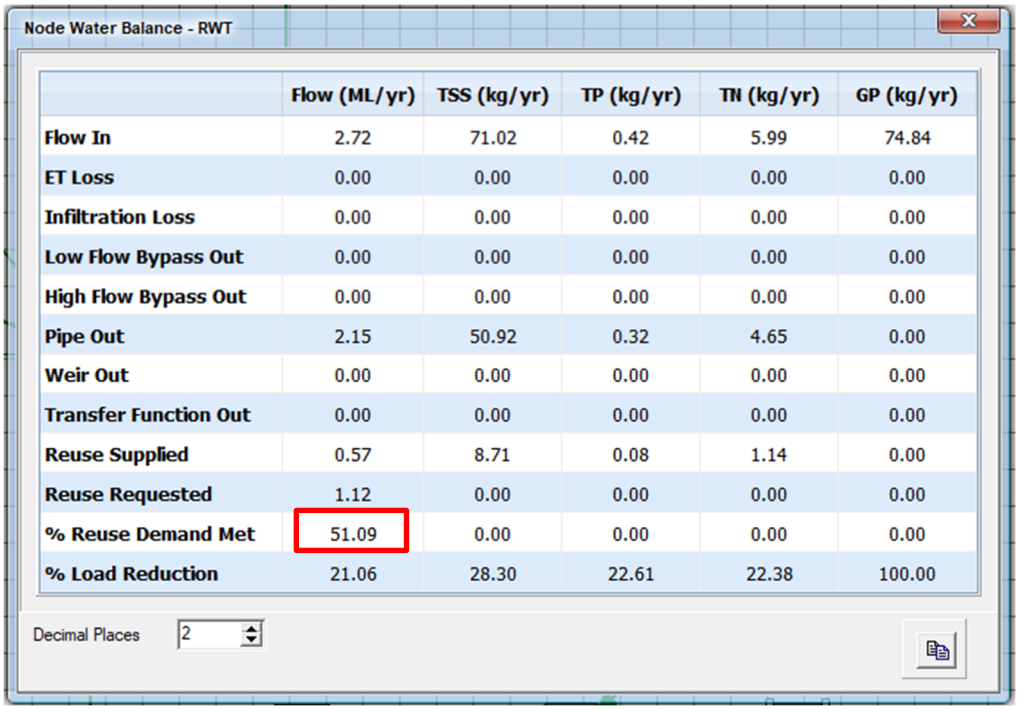

	Flow (ML/yr)	TSS (kg/yr)	TP (kg/yr)	TN (kg/yr)	GP (kg/yr)
Flow In	2.72	71.02	0.42	5.99	74.84
ET Loss	0.00	0.00	0.00	0.00	0.00
Infiltration Loss	0.00	0.00	0.00	0.00	0.00
Low Flow Bypass Out	0.00	0.00	0.00	0.00	0.00
High Flow Bypass Out	0.00	0.00	0.00	0.00	0.00
Pipe Out	2.15	50.92	0.32	4.65	0.00
Weir Out	0.00	0.00	0.00	0.00	0.00
Transfer Function Out	0.00	0.00	0.00	0.00	0.00
Reuse Supplied	0.57	8.71	0.08	1.14	0.00
Reuse Requested	1.12	0.00	0.00	0.00	0.00
% Reuse Demand Met	51.09	0.00	0.00	0.00	0.00
% Load Reduction	21.06	28.30	22.61	22.38	100.00

Figure 4: Reuse Demand met by Rainwater Tank

9.2.5 Grassed swale

A grassed swale is a deliberately formed surface depression for the conveyance of stormwater runoff that include a vegetated infiltration trench within the channel invert for the purpose of water quality treatment through the filtration of sediment and biological uptake of nutrients.

One grassed swale has been proposed for the site and is to be positioned along the South-Eastern boundary. It will be 225mm in depth and 1.25m in width and will smoothly transition into the proposed dissipation area. These swales have also been incorporated into the MUSIC model and contribute to the systems pollution reduction.

The proposed trees within the overland flow path will be suitable to manage 0.63 m/s of flow in the 1% AEP storm and have been considered when identifying overland flow path water levels.

9.2.6 Filterra System (Bioretention)

A Bioretention garden/ Filterra System Is a vegetated bed of filter media for the purpose of capturing stormwater runoff for water quality treatment through the filtration of sediment and biological uptake of nutrients. Biofilter street tree pits have been proposed to be positioned at the end of Makers Way driveway. There is one proposed Filterra tree pit (1.8m x 1.2m systems), which caters for approximately 720m^2 of catchment area.

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10. Water Sensitive Urban Design Strategy

WSUD Background Information

Design guidelines for Water Sensitive Urban Design (WSUD) on the site have been set out in the Marrickville Development Control Plan (DCP) 2.17 Water Sensitive Urban Design (2011). WSUD integrates land use and water management in the aim of minimising impacts of urban development on the natural water cycle. The WSUD design strategy for the proposed development is as follows. No previous WSUD studies have been done for this site.

Site Context

Full site context has been provided in Section 4 above.

Proposed Development

The proposed development has been outlined in Section 7-9 above, as well as in Appendix A with the Civil Design Documentation.

WSUD Objectives and Targets

The DCP states that WSUD principals through the provision of a range of water quality devices need to be implemented to:

- Protect and enhance natural water systems in the Marrickville LGA
- Treat urban stormwater to meet water quality objectives for reuse and/or discharge to receiving waters
- Minimise wastewater generation
- Reduce consumption of potable water in the Marrickville LGA through water efficient fittings and appliances, rainwater harvesting and wastewater reuse
- Use rainwater, treated urban stormwater or treated wastewater for non-potable uses were appropriate
- Shift the focus of water management from the traditional flood control approach to a sustainable stormwater management approach

As discussed in Section 9 above, the site will implement Ocean Protect cartridge filters, Ocean Guard baskets, a rainwater re-use tank, bioswales and bioretention systems to minimise the development impact on the natural water cycle.

Constraints and Opportunities

There are always opportunities to adopt a range of WSUD measures for any development. There were no major constraints within or neighbouring the site such as flood plains, watercourses or sensitive environments that are required to be preserved or remediated as part of the proposed works.

Water Conservation

The proposed development will include a rainwater storage as calculated in Section 9.2.4. This will provide 21.1 m^3 of water storage which will be reused in systems such as landscape watering.

Stormwater Management

The proposed stormwater system has been designed as per Marrickville Development Control Plan (DCP) 2011. The full extent of the stormwater management procedures undertaken in the design has been explored throughout the entirety of this SWMP.

Water Table Management

It is not expected that the proposed development will have any impact on the existing water table. No impervious areas of the site will discharge to the ground and hence no groundwater quality measures are required to ensure WSUD requirements are met.

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11. Stormwater Network Maintenance Schedule

In order to ensure the ongoing effective operation of the stormwater network and water quality treatment devices, the devices must be maintained in accordance with manufacturer recommendations/requirements and general best practice. It is noted that all pits are to be inspected in a safe manner that assesses localised risk and in accordance with maintenance contractor safe work method statements (SWMS).

The below summaries the various stormwater network components that will need to be maintained, whilst Schedule 1 below details required maintenance of specific items within the network requiring maintenance.

11.1 Pit and Pipe Network

A general inspection of the stormwater pit network is to be undertaken every six (6) months and after major storm events. The general inspection involves visual inspection inside pits, removal and disposal of larger gross pollutants within pits in accordance with waste disposal regulations to prevent blockages, and minimal rectification works as required. Inspection of general pits can coincide with inspection and maintenance of water quality pit inlets (if applicable).

11.2 OSD Tanks

A general inspection of the OSD tank is to be undertaken at a minimum every six (6) months and after major storm events. The general inspection involves visual inspection inside the tank, condition of components such as orifice plates and valves, removal and disposal of larger gross pollutants within pits in accordance with waste disposal regulations to prevent blockages, and minimal rectification works as required. Inspection of general pits can coincide with inspection and maintenance of water quality pit inlets (if applicable). It is expected that the tanks are hosed out and cleaned on an annual basis to ensure required performance can be achieved.

11.3 Water Quality Treatment Devices

The filtration inserts, located within the pits, are to undergo minor service every three (3) months and after major storm events or a hazardous material spill. This involves inspection and evaluation of the filter bad and its condition, removal of captured pollutants, and the appropriate disposal of captured material in accordance with waste disposal regulations. The minor service is designed to return the ocean guard back to optimal operating performance. An inspection of the condition is to be particularly undertaken following major storm events to check for damage and higher than normal sediment accumulation. Refer to manufacturer's maintenance procedures for details of safely undertaking hand maintenance or vacuum maintenance of the ocean guards.

A major service of the ocean guards is undertaken on an as-required basis and involves the inspection of ocean guards to determine the need for filter bag replacement and support frame rectification. Replacement is based on the outcomes from the minor service whereby damage is detected. Contact manufacturer for assessment and replacement components and refer to manufacturer's maintenance procedures for safely replacing components.

A general inspection of the filtration cartridges located in a Stormfilter chamber within the OSD tank, is to be undertaken every six (6) months and after major storm events or a hazardous material spill. The general inspection involves visual inspection of the Stormfilter cartridges and chamber, removal and disposal of larger gross pollutants from the device in accordance with waste disposal regulations to prevent blockages, and minimal rectification works as required. Cartridges are also to be checked to ensure they are all firmly connected to the connectors.

A minor service of the Stormfilters, undertaken every twelve (12) months and after major storm events or a hazardous material spill, involves the evaluation of the Stormfilter cartridges and media, removal of accumulated sediment and a wash-down of the Stormfilter chamber. Refer to Ocean Protect maintenance procedures for details of safely undertaking maintenance of the Stormfilter cartridges. During this service, the cartridge media is to be inspected and replaced if it is revealed that the cartridge media is exhausted. If this is the case, a major service is to be undertaken to replace the Stormfilter cartridge media. Contact manufacturer for assessment and replacement components and refer to manufacturer's maintenance procedures for details of safely replacing the media components.

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11.4 Above Ground Storage and Biofiltration

A general inspection of above ground features and components within a stormwater network such as storage basins and biofiltration bases is to be undertaken every six (6) months and after major storm events. The general inspection involves visual inspection inside pits, removal and disposal of larger gross pollutants within pits in accordance with waste disposal regulations to prevent blockages, and minimal rectification works as required. Detailed inspections for treatment performance and stabilisation of earthworks structure should occur either annually or biannually.

11.5 Civil Structures

A general inspection of civil structures and associate drainage across a site should be undertaken annually. The general inspection involves visual inspection, with identified defects assessed by applicable qualified engineers

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11.6 Stormwater and OSD Maintenance Schedule

Maintenance Action	Frequency	Responsibility	Procedure
Pit and Pipe Network			
Blockages of inlet and outlet pipes within pits	Six Monthly	Maintenance Contractor	Remove grate. Remove any debris/litter/sludge from within pits.
Condition of inlet grates	Six Monthly	Maintenance Contractor	Clear vegetation and any debris from the pit grate and repair as required.
Condition of pit structures and section of pipes at inlets/ outlets.	Two Years	Maintenance Contractor	Remove grate to inspect internal walls. Repair as required. Clear vegetation from external walls if necessary and repair as required. Notify structural engineer if detrimental features observed.
Overland flow paths and drainage swales	Six Monthly	Maintenance Contractor	Walk along the flow path and swale. Check batters and condition of path extent. Remove any debris/litter/sludge.
Survey pipe condition with CCTV's and repair defects as necessary	Five Years	Maintenance Contractor	Remove grate. Clear blockages for camera access. Operate camera in accordance with manufacturer specifications and operator standard procedures.
OSD and Discharge Control			
Blockage of orifice plate	Six Monthly	Maintenance Contractor	Remove grate and screen to inspect orifice. See attached Site Stormwater plan for location of Discharge Control Pit.
Orifice structure size and connection to wall	Five Years	Maintenance Contractor	Compare orifice diameter to approved design (see Works as Executed Drawing) and ensure edge of orifice is not pitted or damaged.
Trash rack blockage	Six Monthly	Maintenance Contractor	Remove grate and screen if required to clean it.
Trash rack condition and connection to wall.	Annually	Maintenance Contractor	Remove grate and rack screen. Check corrosion in particular corners. Check screen fixings to wall for stability and corrosion. Repair as required.
Condition and performance of flap valves	Annually	Maintenance Contractor	Remove grate. Test valve hinge by moving flap to full extent and allowing it to drop back into normal position. Flap should freely swing at hinge.

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Blockage of overflow weirs	Six Monthly	Maintenance Contractor	Remove grate and open cover to ventilate underground storage if present. Ensure weir clear of blockages.
Tank and pit wall defects and structural adequacy.	Two Years	Maintenance Contractor	Remove grate to inspect internal walls. Repair as required. Clear vegetation from external walls if necessary and repair as required.
Tank slab build-up of sediment and sludge.	Six Monthly	Maintenance Contractor	Remove grate and screen. Remove sediment/ sludge build up, check orifice and flap valves are clear.
Condition and fixing of step irons	Two Years	Maintenance Contractor	Remove grate to inspect step irons and connection into wall. Repair as required. Notify structural engineer if detrimental features observed.
OSD warning signage	Two Years	Maintenance Contractor	Remove grate to inspect signage and connections. Check for fading in sign and any vegetation growth over or near sign impacting visibility. Repair as required.
Water Quality Devices			
Blockages and debris within stormwater pit filtration inserts/ storm sacks	Six Monthly	Maintenance Contractor	Remove grate. Remove any debris/litter/sludge from within inserts.
Blockages and debris within filtration tanks and devices	Six Monthly	Maintenance Contractor	Remove grate. Remove any debris/litter/sludge. Hose out tank and devices from outside tank.
Blockages and debris within filtration cartridges inside storage tanks.	Six Monthly	Maintenance Contractor	Remove grate. Remove any debris/litter/sludge. Hose out tank and devices from outside tank.
Blockages and water conveyance within filtration stormwater lines	Annual	Maintenance Contractor	Remove grate. Flow water through filtration stormwater line from inspection openings to remove blockages.
Condition of stormwater pit filtration inserts/ storm sacks	Annual	Manufacturer's Contractor	Remove inserts from pit to inspect. Repair as required.
Condition and performance of treatment tank components	Annual	Manufacturer's Contractor	Remove grate and follow SWMS procedures to enter into the tank. View and repair damaged components.
Condition and performance of filtration cartridges	Annual	Manufacturer's Contractor	Remove cartridges from pit to inspect. Repair as required.
Above Ground Storage and Bioretention			
Blockages of inlet and outlet pipes within pits	Six Monthly	Maintenance Contractor	Blast with hose, water into inspection openings and pits to ensure conveyance through lines.

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Condition of inlet grates	Six Monthly	Maintenance Contractor	Clear vegetation and any debris from the pit grate condition, inspect and repair as required.
Condition of pit structures and section of pipes at inlets/ outlets.	Two Years	Maintenance Contractor	Remove grate to inspect internal walls. Repair as required. Clear vegetation from external walls if necessary and repair as required. Notify structural engineer if detrimental features observed.
Embankments and storage area condition, in particular scour and vegetation loss in landscaped areas	Six Monthly	Maintenance Contractor	Walk along bottom of embankments where possible. Compare total above ground storage volume and levels to WAE documentation. Check batter stability and vegetation. Notify civil engineer if detrimental features observed, eg >5% storage lost, embankment destabilisation.
Subsoil line blockages	Annual	Maintenance Contractor	Blast with hose, water into inspection openings and pits to ensure conveyance through lines. Review outlets to ensure flow through line.
Planting condition within bioretention areas, including development of weeds.	Six Monthly	Maintenance Contractor	Physical inspection by qualified contractor to review vegetation growth, removal of weeds, removal of debris and soil arrangement.
Filtration media quality	Two Years	Maintenance Contractor	Inspection by qualified contractor. Samples to be taken of material to confirm requirements are achieved.
Civil Structures			
Check subsoil behind retaining walls drainage capacity via hose flushing	Annual	Maintenance Contractor	Blast with hose, water into inspection openings and pits to ensure conveyance through lines. Review outlets to ensure flow through line.
Condition of retaining walls and other structures, including cracking and stability	Annual	Maintenance Contractor	Walk along and inspect all visible faces of wall structure. Observe for cracking, crack width, any lean in on wall and moisture within structure. Notify structural engineer if detrimental features observed.
Check batters for signs of scour and erosion	Annual	Maintenance Contractor	Walk along bottom of embankments where possible. Check batter stability and vegetation. Notify civil engineer if detrimental features observed.

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12. Erosion & Sedimentation Control

Landcom have published a design guide entitled “Managing Urban Stormwater - Soils and Construction” which is regarded as the standard to which erosion and sedimentation control should be designed to within NSW.

The control of erosion and sedimentation describes the measures incorporated during and following construction of a new development to prevent the pollution and degradation of the downstream watercourse.

A Soil and Water Management Plan has prepared as part of the development application documentation and is included in Appendix A of this report.

12.1 Stormwater Drainage Infrastructure Inlets

Risk:

- Sediment from the construction site washing into the existing stormwater drainage inlet infrastructure.

Consequence:

- The sediment will then be conveyed into the downstream waterbody by stormwater runoff, contaminating the waterbody.
- The sediment will build up blocking the stormwater infrastructure and preventing stormwater conveyance to the downstream waterbody and impacting drainage upstream.

Mitigation:

- Sediment traps protection will be installed surrounding all existing stormwater drainage infrastructure inlets to prevent sediment entering the system.
- Temporary Stormwater Systems are to be installed where required to capture all site runoff within the zone of excavation. Runoff will be allowed to settle out suspended particles and debris, and an acceptable water of 50mg per litre of Non Filterable Residues (NFR) is required to be achieved prior to discharge.
- Installation of a fence around the perimeter of the basin is required as well as a rip rap to allow for bobcat access for periodic removal of sediment. Also, a perforated riser outlet pipe needs to be placed for the connection and discharge to an existing pit.

Maintenance:

- Frequent inspection of the sandbags to ensure they are arranged in a manner that prevents sediment from accessing the drainage system. If sediment is building up on the sandbags they should be cleared of sediment and re-established.
- All soil erosion and sediment control structures including temporary sediment basins and sediment traps shall be inspected following each storm event and any necessary maintenance work shall be undertaken to ensure their continued proper operation.

12.2 Construction Exit Protection

Risk:

- Spoil such as soil being conveyed from the site on the wheels of vehicles.

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Consequence:

- Spoil being tracked onto the public road corridors where it is then washed into the existing stormwater drainage infrastructure and is then washed downstream polluting the downstream waterbody.
- Spoil being tracked onto the public road creating dangerous driving conditions for other road users.

Mitigation:

- A shaker grid and wash down facility will be installed at all exits from the construction site. All vehicles leaving the site will have their wheels washed down and pass over the shaker grid to remove any spoil collected on their wheels and retaining the spoil on site.

Maintenance:

- Frequent inspection of the shaker grid to ensure it is clean and still functioning.

12.3 Downstream Site Boundaries

Risk:

- Rainfall runoff falling on the site collecting sediment from the construction site and conveying it overland onto downstream properties and waterbodies.

Consequence:

- Sediment discharge polluting downstream properties and waterbodies.

Mitigation:

- Installation of sediment fences on all downstream boundaries of the site to collect sediment and prevent it discharging onto downstream properties or waterbodies.

Maintenance:

- Regular inspection of the sediment fences to ensure they are functioning correctly and are intact.
- If sediment build up is present it should be removed to ensure correct functionality of the fences.

12.4 Sediment Runoff

Risk:

- Sediment from the construction site washing into the existing stormwater drainage inlet infrastructure.

Consequence:

- The sediment will build up blocking the stormwater infrastructure and preventing stormwater conveyance to the downstream waterbody and impacting drainage upstream.

Mitigation:

- One sediment basin will be installed, and all overland flow directed towards them. The basins will attenuate stormwater flows allowing for the settlement of sediment preventing discharge into the downstream infrastructure.

Maintenance:

- Frequent inspection of the basins to ensure there is sufficient volume for the storage of settlement. If there is insufficient storage the basins should be cleared of sediment and re-established.

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Appendix A Civil Design Documentation

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Stantec

home

COX

PRECINCT 75
CIVIL ENGINEERING DRAWINGS

ST PETERS NSW 2044

ISSUE FOR S4.56 APPROVAL
2023.05.26

Stantec Project Number: 301350227

DRAWING LIST	
NO.	DRAWING NAME
CI-DA-000-01	COVER SHEET
CI-DA-007-01	GENERAL NOTES SHEET 1
CI-DA-007-02	GENERAL NOTES SHEET 2
CI-DA-060-01	KEY PLAN
CI-DA-070-01	EROSION AND SEDIMENTCONTROL PLAN
CI-DA-076-01	EROSION AND SEDIMENTCONTROL DETAILS
CI-DA-100-01	BULK EARTHWORKS PLAN
CI-DA-406-01	SITEWORKS DETAILS SHEET 1
CI-DA-406-02	SITEWORKS DETAILS SHEET 2
CI-DA-406-03	SITEWORKS DETAILS SHEET 3
CI-DA-406-04	SITEWORKS DETAILS SHEET 4
CI-DA-500-01	CATCHMENT PLAN
CI-DA-520-01	STORMWATER DRAINAGE PLAN - ZONE 1
CI-DA-520-02	STORMWATER DRAINAGE PLAN - ZONE 2
CI-DA-520-03	STORMWATER DRAINAGE PLAN - ZONE 3
CI-DA-520-04	STORMWATER DRAINAGE PLAN - ZONE 4
CI-DA-521-01	OVERLAND FLOW PATH PLANAND SECTIONS
CI-DA-521-02	OVERLAND FLOW PATH DETAILS
CI-DA-526-01	STORMWATER DRAINAGE DETAILS - SHEET 1
CI-DA-526-02	STORMWATER DRAINAGE DETAILS - SHEET 2
CI-DA-526-03	STORMWATER DRAINAGE DETAILS - SHEET 3
CI-DA-526-04	STORMWATER DRAINAGE DETAILS - SHEET 4

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ORIGINAL SHEET - ISO A1 I:\301350227\PROJECT DOCUMENTATION\CIVIL\DRAWINGS & DESIGN\SHEET\STD\A 3\BMEPSON 301350227-C1-DA-100-01.DWG

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GENERAL NOTES

1. DESIGN HEREIN HAS BEEN PREPARED BY STANTEC AUSTRALIA PTY LTD LEVEL 9, THE FORUM, 203 PACIFIC HIGHWAY, ST LEONARDS NSW 2065
2. CONTRACTOR TO CHECK WITH ENGINEER IF THESE NOTES ARE TO SUPPLEMENT A CIVIL SPECIFICATION.
3. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH COUNCIL / RELEVANT AUTHORITY SPECIFICATIONS AND DETAILS.
4. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH OTHER CONSULTANTS' DRAWINGS AND SPECIFICATIONS AND WITH OTHER SUCH WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ANY DISCREPANCY SHALL BE REFERRED TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
5. ALL DIMENSIONS ARE IN MILLIMETRES (mm) & ALL LEVELS ARE IN METRES (m), UNO (UNLESS NOTED OTHERWISE).
6. NO DIMENSION SHALL BE OBTAINED BY SCALING THE DRAWINGS.
7. ALL LEVELS AND SETTING OUT DIMENSIONS SHOWN ON THE DRAWINGS SHALL BE CHECKED ON SITE PRIOR TO COMMENCEMENT OF WORKS.
6. EXISTING SERVICES WHERE SHOWN HAVE BEEN PLOTTED FROM SUPPLIED DATA AND SUCH THEIR ACCURACY CAN NOT BE GUARANTEED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH THE LEVEL OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF WORK.
7. CAD FILES / DTM FILES TO BE SUPPLIED IN AUTOCAD FORMAT FOR SETOUT PURPOSES (UPON REQUEST).

SITEWORKS NOTES

1. ORIGIN OF LEVELS:- REFER SURVEY NOTES.
2. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCIES TO BE REPORTED TO STANTEC.
3. ALL WORK IS TO BE UNDERTAKEN IN ACCORDANCE WITH COUNCIL CONSTRUCTION SPECIFICATIONS, THE DETAILS SHOWN ON THE DRAWINGS AND THE SPECIFICATIONS AND THE DIRECTIONS OF THE PRINCIPAL'S REPRESENTATIVE.
4. ALL WORKS TO BE COMPLETED IN ACCORDANCE WITH NEWCASTLE COUNCIL AND OTHER AUTHORITY REQUIREMENTS.
5. ALL CONSTRUCTION UNDERTAKEN BY THE CONTRACTOR IS TO COMPLY WITH THE REQUIREMENTS OF THE CURRENT WORKPLACE HEALTH AND SAFETY ACT.
6. CONTRACTOR TO CONFIRM ALL CBR VALUES PRIOR TO COMMENCEMENT OF WORKS.
7. WHERE NEW WORKS ABUT EXISTING THE CONTRACTOR SHALL ENSURE THAT A SMOOTH EVEN PROFILE, FREE FROM ABRUPT CHANGES, IS OBTAINED.
8. THE CONTRACTOR SHALL ARRANGE ALL SURVEY SETOUT TO BE CARRIED OUT BY A REGISTERED SURVEYOR.
9. CARE IS TO BE TAKEN WHEN EXCAVATING NEAR EXISTING SERVICES. NO MECHANICAL EXCAVATIONS ARE TO BE UNDERTAKEN OVER COMMUNICATIONS OR ELECTRICAL SERVICES. HAND EXCAVATE IN THESE AREAS ONLY.
10. ALL TRENCH BACKFILL MATERIAL NOT IN PAVEMENTS SHALL BE COMPACTED TO THE SAME DENSITY AS THE ADJACENT MATERIAL.
11. UNLESS NOTED OTHERWISE IN CIVIL SPECIFICATION, ALL SERVICE TRENCHES UNDER VEHICULAR PAVEMENTS SHALL BE BACKFILLED WITH SAND TO 300mm ABOVE PIPE. WHERE PIPE IS UNDER PAVEMENTS BACKFILL REMAINDER OF TRENCH TO UNDERSIDE OF PAVEMENT WITH SAND OR APPROVED GRANULAR MATERIAL COMPACTED IN 150mm LAYERS TO MINIMUM 98% MODIFIED MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1. (OR A DENSITY INDEX OF NOT LESS THAN 75).
12. ON COMPLETION OF PIP INSTALLATION, ALL DISTURBED AREAS MUST BE RESTORED TO ORIGINAL, INCLUDING KERBS, FOOTPATHS, CONCRETE AREAS, GRAVEL AND GRASSED AREAS, AND ROAD PAVEMENTS.
13. TRENCHES THROUGH EXISTING ROAD AND CONCRETE PAVEMENTS SHALL BE SAWCUT TO THE FULL DEPTH OF CONCRETE AND MIN. 50mm IN BITUMINOUS PAVING.
14. MAKE SMOOTH TRANSITION TO EXISTING SERVICES AND MAKE GOOD.
15. THESE PLANS ARE TO BE READ IN CONJUNCTION WITH COUNCIL CONSTRUCTION SPECIFICATIONS AND APPROVED LANDSCAPE, ELECTRICAL AND TELECOMMUNICATION DRAWINGS AND SPECIFICATIONS.
16. WHERE NOTED ON THE DRAWINGS THAT WORKS ARE TO BE CARRIED BY OTHERS, (eg. ADJUSTMENT OF SERVICES), THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CO-ORDINATION OF THESE WORKS.
17. ON COMPLETION OF WORKS, ALL DISTURBED AREAS MUST BE RESTORED TO ORIGINAL INCLUDING, BUT NOT LIMITED TO, KERBS, FOOTPATHS, CONCRETE AREAS, GRASS AND LANDSCAPED AREAS.

SURVEY NOTES

1. THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS HAVE BEEN SHOWN AS PER THE TOPOGRAPHIC SURVEY RECEIVED ON 17/08/2021 PREPARED BY TOTAL SURVEYING SOLUTIONS (TSS), REFERENCE '210481', DATED 02/08/2021.
2. THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN. STANTEC DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE SURVEY BASE OR ITS SUITABILITY AS A BASIS FOR CONSTRUCTION DRAWINGS. SHOULD DISCREPANCIES BE ENCOUNTERED DURING CONSTRUCTION BETWEEN THE SURVEY DATA AND ACTUAL FIELD DATA, CONTACT STANTEC.
3. IF AN EXISTING SERVICES PLAN HAS BEEN SUPPLIED THIS DOES NOT TAKE PRECEDENCE OVER ORIGINAL SURVEY PLAN.
4. CONTRACTOR TO REVIEW ORIGINAL SURVEY PLAN AND NOTES. THIS INCLUDES REVIEW OF SUBSURFACE UTILITY CLASS INFORMATION

PROTECTION OF TREES

1. WHERE STORMWATER DRAINAGE IS LAID IN THE VICINITY OF TREES / CANOPIES OF TREES, THE WORKS ARE TO BE COMPLETED TO THE PROJECT ARBORISTS REQUIREMENTS.

TELSTRA - DUTY OF CARE NOTE

TELSTRA'S PLANS SHOW ONLY THE PRESENCE OF CABLES AND PLANT. THEY ONLY SHOW THEIR POSITION RELATIVE TO ROAD BOUNDARIES, PROPERTY FENCES ETC. AT THE TIME OF INSTALLATION AND TELSTRA DOES NOT WARRANT OR HOLD OUT THAT SUCH PLANS ARE ACCURATE THEREAFTER DUE TO CHANGES THAT MAY OCCUR OVER TIME. DO NOT ASSUME DEPTH OR ALIGNMENT OF CABLES OR PLANT AS THESE VARY SIGNIFICANTLY.
THE CONTRACTOR HAS A DUTY OF CARE WHEN EXCAVATING NEAR TELSTRA CABLES AND PLANT. BEFORE USING MACHINE EXCAVATORS TELSTRA PLANT MUST FIRST BE PHYSICALLY EXPOSED BY SOFT DIG POTHOLING TO IDENTIFY IT'S LOCATION TELSTRA WILL SEEK COMPENSATION FOR DAMAGES CAUSED TO IT'S PROPERTY AND LOSSES CAUSED TO TELSTRA AND IT'S CUSTOMERS.

EXISTING SERVICES

1. EXISTING SERVICES, WHERE SHOWN, HAVE BEEN PLOTTED FROM SUPPLIED DATA AND SUCH THEIR ACCURACY CAN NOT BE GUARANTEED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH THE LEVEL OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF WORK.
2. EXISTING SERVICES SHOWN ON THE PLANS ARE LOCATED APPROXIMATELY BASED ON INFORMATION SUPPLIED BY THE RELEVANT AUTHORITIES AND/OR SURVEY RECEIVED. STANTEC DOES NOT TAKE RESPONSIBILITY FOR THE SUITABILITY OR LOCATION/DEPTH OF THE EXISTING SERVICES.
3. STANTEC DOES NOT TAKE RESPONSIBILITY FOR ANY POSSIBLE DESIGN ADJUSTMENT OF ANY ADDITIONAL EXISTING SERVICES OR THE ASSOCIATED AUTHORITY NEGOTIATIONS AS A RESULT OF THE PROPOSED WORKS.
4. THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN. STANTEC DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE SURVEY BASE OR ITS SUITABILITY AS A BASIS FOR CONSTRUCTION DRAWINGS.
5. EXISTING BUILDINGS, EXTERNAL STRUCTURES AND TREES SHOWN ON THESE DRAWINGS ARE FEATURES EXISTING PRIOR TO ANY DEMOLITION WORKS.
6. THE CONTRACTOR SHALL UNDERTAKE POTHOLING AND/OR INVESTIGATION WORKS TO LOCATE ALL EXISTING SERVICES PRIOR TO COMMENCING WORKS. THIS INCLUDES CONFIRMING THE LOCATION AND DETAILS OF THE EXISTING SITE STORMWATER DISCHARGE.
7. ALL AREAS WITHIN THE EXTENT OF WORKS TO BE SCANNED FOR EXISTING UTILITY SERVICES AND LOCATIONS PRIOR TO CONSTRUCTION.
8. WHIST EVERY EFFORT HAS BEEN MADE TO AVOID CLASHES WITH EXISTING SERVICES, EXTENT AND QUALITY OF SUPPLIED DATA IS INSUFFICIENT FOR COMPLETE CLASH DETECTION ACCURACY. CONTRACTOR TO TAKE CARE WORKING AROUND EXISTING UTILITIES AND REPORT ANY POSSIBLE CLASHES BACK TO THE ENGINEER.
9. THE CONTRACTOR SHALL ALLOW FOR THE CAPPING OFF, EXCAVATION, REMOVAL AND DISPOSAL IF REQUIRED OF ALL EXISTING SERVICES IN AREAS AFFECTED BY WORKS WITHIN THE CONTRACT AREA, AS SHOWN ON THE DRAWINGS UNLESS DIRECTED OTHERWISE BY THE SUPERINTENDENT.
10. THE CONTRACTOR SHALL ENSURE THAT AT ALL TIMES SERVICES TO ALL BUILDINGS NOT AFFECTED BY THE WORKS ARE NOT DISRUPTED.
11. THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SERVICES TO MAINTAIN EXISTING SUPPLY TO BUILDINGS REMAINING IN OPERATION DURING WORKS TO THE SATISFACTION AND APPROVAL OF THE SERVICE AUTHORITY. ONCE DIVERSION IS COMPLETE AND COMMISSIONED, THE CONTRACTOR SHALL REMOVE ALL SUCH TEMPORARY SERVICES AND MAKE GOOD TO THE SATISFACTION OF THE RELEVANT SERVICE AUTHORITY.
12. PRIOR TO COMMENCEMENT OF ANY WORKS THE CONTRACTOR SHALL GAIN WRITTEN APPROVAL OF THEIR PROGRAMME FOR THE RELOCATION/CONSTRUCTION OF TEMPORARY SERVICES.
13. CLEARANCE AND COVER REQUIREMENTS SHALL BE OBTAINED FROM THE RELEVANT SERVICE AUTHORITY BEFORE COMMENCEMENT OF WORKS AND SHALL BE ADHERED TO AT ALL TIMES.

PROPOSED SERVICES NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH RELEVANT SERVICE AUTHORITY DOCUMENTATION AND CURRENT NSW STREETS OPENING CONFERENCE GUIDE TO CODES AND PRACTICES FOR STREETS OPENING LITERATURE.
2. THE CONTRACTOR SHALL ATTEND, MANAGE & SUPERVISE THE PROVISION OF PUBLIC UTILITY SERVICES TO THE WORKS GENERALLY AS INDICATED ON THE SERVICES PLANS, NOTING THAT PRIOR & DURING CONSTRUCTION THE PUBLIC UTILTITY AUTHORITIES WILL FINALISE THEIR DOCUMENTATION TO CONSTRUCTION ISSUE STANDARD.
3. THE CIVIL CONTRACTOR (TRENCH PROVIDER) IS TO ARRANGE ON SITE MEETING WITH ALL SERVICE AUTHORITIES PRIOR TO THE INSTALLATION OF CONDUITS.
4. THE CIVIL CONTRACTOR TO CO-ORDINATE INSTALLATION OF ELECTRICITY, GAS,TELECOMMUNICATION, WATER AND SEWER SERVICES.
5. ELECTRICITY, GAS AND TELECOMMUNICATION SERVICES ARE TO BE LAID FOLLOWING THE INSTALLATION OF STORMWATER, SEWER AND WATER SERVICES AND KERB AND GUTTER.
6. ALL UTILITY AUTHORITY REPRESENTATIVES TO INSPECT ROAD CROSSINGS PRIOR TO SEALING.
7. ALL ELECTRICAL ROAD CROSSINGS TO BE CLASS 6 (ORANGE) uPVC CONDUITS.
8. ALL GAS ROAD CROSSINGS TO BE uPVC GREY SEWER GRADE CONDUITS.
9. FOR ALL STREET POLES, REFER TO THE ELECTRICAL ENGINEER'S DOCUMENTATION. STREET POLES TO BE POSITIONED THE APPROPRIATE DISTANCE FROM FACE OF KERB TO FACE OF POLE ACCORDING TO THE CURRENT NSW STREETS OPENING CONFERENCE GUIDE TO CODES AND PRACTICES FOR STREETS OPENING LITERATURE. CONTRACTOR TO ALLOW TO EXCAVATE AND BACKFILL TRENCH GENERALLY IN ACCORDANCE WITH NOTE 2.
10. ALL SERVICE PIT COVERS AND MARKERS ARE TO BE LAID WHOLLY WITHIN THE CONCRETE FOOTPATH. CONTACT SUPERINTENDANT SHOULD DIFFICULTIES ARISE.
11. TELSTRA'S PLANS SHOW ONLY THE PRESENCE OF CABLES AND PLANT. THEY ONLY SHOW THEIR POSITION RELATIVE TO ROAD BOUNDARIES, PROPERTY FENCES ETC. AT THE TIME OF INSTALLATION AND TELSTRA DOES NOT WARRANT OR HOLD OUT THAT SUCH PLANS ARE ACCURATE THEREAFTER DUE TO CHANGES THAT MAY OCCUR OVER TIME. DO NOT ASSUME DEPTH OR ALIGNMENT OF CABLES OR PLANT AS THESE VARY SIGNIFICANTLY.
12. THE CONTRACTOR HAS A DUTY OF CARE WHEN EXCAVATING NEAR TELSTRA CABLES AND PLANT. BEFORE USING MACHINE EXCAVATORS TELSTRA PLANT MUST FIRST BE PHYSICALLY EXPOSED BY SOFT DIG POTHOLING TO IDENTIFY IT'S LOCATION TELSTRA WILL SEEK COMPENSATION FOR DAMAGES CAUSED TO IT'S PROPERTY AND LOSSES CAUSED TO TELSTRA AND IT'S CUSTOMERS.

BULK EARTHWORKS NOTES

1. REFER SPECIFICATIONS NOTES FOR EARTHWORKS GENERAL REQUIREMENTS.
2. CIVIL BULK EARTHWORKS ARE PROVIDED TO INFORM MASS MOVEMENT OF SOIL TO PROVIDE A SUBGRADE PLATFORM FOR BUILDINGS, ROADS AND OTHER STRUCTURES.
3. CIVIL BULK EARTHWORKS DOES NOT CONSIDER LATENT GEOTECHNICAL CONDITIONS ENCOUNTERED DURING CONSTRUCTION.
4. REFER TO THE STRUCTURAL ENGINEERS SPECIFICATION FOR EXCAVATION WORKS IN RELATION TO BUILDINGS / FOOTINGS,
5. STRIP EXISTING TOPSOIL IN CONSULTATION WITH THE GEOTECHNICAL ENGINEER / REPORT. FOR THE PURPOSES OF EARTHWORKS CALCULATIONS A TOPSOIL STRIPPING DEPTH OF 300mm HAS BEEN ASSUMED. GROUND SLAB DEPTH OF 350mm HAS BEEN ASSUMED WHERE REQUIRED.
6. NO ALLOWANCE HAS BEEN MADE FOR BULKING OR COMPACTION FACTORS. ALL VOLUMES DEPICTED ARE SOLID VOLUMES ONLY AND DO NOT REFLECT DETAILED EARTHWORKS.
7. BULK EARTHWORKS DRAWINGS ARE NOT TO BE USED FOR DETAILED EXCAVATION. NO ALLOWANCE HAS BEEN MADE FOR DETAILED EXCAVATION INCLUDING TANKS, FOOTINGS, RETAINING WALLS, EDGE THICKENINGS, BEAMS, STAIR AND LIFT CORES, PILING PLATFORMS, SERVICES TRENCHING AND DEEP SOIL ZONES.
8. THE CONTRACTOR SHALL USE FINAL SURFACE LEVELS AND TYPICAL PAVEMENT DETAILS FOR ACTUAL EARTHWORKS LEVELS.
9. BULK EARTHWORKS ARE BASED ON THE SETDOWN TO UNDERSIDE OF PAVEMENT BUILDUPS AS SPECIFIED FROM FINISHED SURFACE LEVELS.
10. BULK EARTHWORKS DOES NOT ALLOW FOR ANY UNSUITABLE MATERIAL FOUND ANYWHERE ON SITE.
11. EXCAVATED MATERIAL MAY BE USED AS STRUCTURAL FILL PROVIDED:-
    - 11.1. IT COMPLIES WITH THE THE SPECIFICATION REQUIREMENTS FOR FILL MATERIAL.
    - 11.2. THE PLACEMENT MOISTURE CONTENT COMPLIES WITH THE GEOTECHNICAL CONSULTANTS REQUIREMENTS, AND ALLOWS FILLING TO BE PLACE AND PROOF ROLLED IN ACCORDANCE WITH THE SPECIFICATION. ALSO REFER TO THE SALINITY MANAGEMENT PLAN AND FILL IMPORT PLAN FOR FURTHER DETAILS.

RETAINING WALL NOTES

1. BASE MATERIAL SHALL BE COMPACTED TO MINIMUM 98% SMDD WITHIN 2% OF STANDARD OPTIMUM MOISTURE CONTENT (SMOC) DETERMINED BY THE STANDARD COMPACTION TEST IN ACCORDANCE WITH THE CURRENT AUSTRALIAN STANDARD AS 1289.5.1.1 MINIMUM ALLOWABLE BEARING PRESSURE OF 150kPa. GEOTECHNICAL ENGINEER EMPLOYED BY CONTRACTOR TO INSPECT AND CONFIRM.
2. DRAINAGE MATERIAL WITHIN AND IMMEDIATELY BEHIND THE WALL SHALL BE 12-20mm CLEAN AGGREGATE. DRAINAGE MATERIAL TO EXTEND A MINIMUM OF 300mm BEHIND THE RETAINING WALL. COMPACT THE DRAINAGE MATERIAL. ALTERNATIVELY, USE NO FINES CONCRETE AS FOLLOWS:-
    - 2.1. CONCRETE STRENGTH N15
    - 2.2. 210kg/m^3 PORTLAND CEMENT
    - 2.3. MAXIMUM AGGREGATE SIZE 20mm
    - 2.4. W/C RATIO 0.45 TO 0.55
    - 2.5. DENSITY 1600 TO 2000kg/m^3
3. INFILL SOIL SHALL BE CLASS 1 CONTROLLED FILL TO AS 4678, OR AS SPECIFIED ON THE DRAWINGS. UNSUITABLE SOILS, SUCH AS HEAVY CLAYS OR ORGANIC SOILS WITH HIGH PLASTICITY, SHALL NOT BE USED IN THE REINFORCED SOIL MASS.
4. SPREAD BACKFILL IN UNIFORM LIFTS OF 200mm UNCOMPACTED THICKNESS. COMPACT TO 95% SMDD. COMPACTION WITHIN 1.0m BEHIND THE WALL SHALL BE ACCOMPLISHED USING A HAND-OPERATED PLATE COMPACTOR AND SHALL BEGIN BY RUNNING THE PLATE DIRECTLY ON THE BLOCK, THEN COMPACTING IN PARALLEL PATHS, PROGRESSIVELY AWAY FROM THE WALL FACE.
5. WHERE ROADWAYS OR BUILDING STRUCTURES ARE LOCATED ABOVE THE REINFORCED ZONE, COMPACT TO 98% SMDD WITHIN 2% OF SMOC DETERMINED BY THE STANDARD COMPACTION TEST IN ACCORDANCE WITH AS 1289.5.1.1. COMPACTION TESTING SHALL BE TAKEN 1.2m BEHIND THE WALL.

DEMOLITION NOTES

1. ALL DEMOLISHED SWALES AND OPEN DRAINS TO BE STRIPPED AND INFILLED WITH SELECT FILL COMPACTED IN 300mm THICK LAYERS.
2. ALL DEMOLISHED PAVEMENTS TO BE REMOVED DOWN TO SUBGRADE LEVEL. BUILD BACK UP TO FINISHED SURFACE WITH SELECT FILL COMPACTED IN 200mm THICK LAYERS TO CIVIL SPECIFICATION.
3. ALL DISTURBED AREAS SHALL BE FINISHED WITH TOPSOIL AND DURABLE DRYLAND GRASS IN ACCORDANCE WITH LANDSCAPE ARCHITECTS SPECIFICATION.
4. ALL BUILDING DEMOLITION WORKS SHALL INCLUDE SEQUENCING, DISCONNECTION AND DEMOLITION OF ALL ASSOCIATED BUILDING SERVICES.
5. PRIOR TO REMOVAL OF TREES AND VEGETATION, TRADE CONTRACTOR SHALL SEEK ALL RELEVANT APPROVALS FROM THE MANAGING CONTRACTOR.
6. ALL DEMOLISHED MATERIALS TO BE DISPOSED OFF SITE AT AN APPROVED WASTE COLLECTION AND PROCESSING FACILITY (UNLESS OTHERWISE DIRECTED IN WRITING BY THE MANAGING CONTRACTOR).
7. REFER TO THE RELEVANT ENGINEERING DRAWINGS FOR TREATMENT, DIVERSION AND DEMOLITION OF EXISTING SERVICES AFFECTED BY THE WORKS, INCLUDING BUT NOT LIMITED TO ELECTRICAL, COMMUNICATIONS, HYDRAULIC SERVICES
8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ANY PRIOR APPROVAL REQUIRED FROM COUNCIL WITH RESPECT TO POTENTIAL IMPACT ON TREES FOR ANY WORKS SHOWN ON THE DRAWINGS PRIOR TO THE COMMENCEMENT OF THOSE WORKS.

STORMWATER DRAINAGE NOTES

1. ON COMPLETION OF STORMWATER INSTALLATION, ALL DISTURBED AREAS MUST BE RESTORED TO ORIGINAL CONDITION, INCLUDING KERBS, FOOTPATHS, CONCRETE AREAS, GRAVEL AND GRASSED AREAS AND ROAD PAVEMENTS, UNLESS DIRECTED OTHERWISE.
2. THE CONTRACTOR IS TO EXERCISE DUE CARE AND ATTENTIION DURING PIPE INSTALLATION ENSURING PIPES ARE NOT DAMAGES DURING CONSTRUCTION AND CONSTRUCTION TRAFFIC DOES NOT EXCEED THE LOAD SPECIFIED FOR THE PIPE PROPOSED. IF THE PROPOSED PIPE CLASS WILL NOT WITHSTAND THE CONSTRUCTION LOAD, THE CONTRACTOR IS TO UPGRADE PIPE CLASSES TO SUIT AT NO COST TO THE PRINCIPAL.
3. PIPES 300 DIA. AND LARGER TO BE REINFORCED CONCRETE CLASS '3' APPROVED SPIGOT AND SOCKET WITH RUBBER RING JOINTS. U.N.O.
4. PIPES LESS THAN OR EQUAL TO 225 DIA. SHALL BE uPVC DWV GRADE CLASS SN8 IN ACCORDANCE WITH AS/NZS 1260:2009-PVC-U PIPES AND FITTINGS FOR DRAIN, WASTE AND VENT APPLICATION WITH SOLVENT WELDED JOINTS.

STORMWATER DRAINAGE NOTES

5. PIT COVER LEVELS TO MATCH SURROUNDING FINISHED LEVELS. DESIGN FINISHED SURFACE LEVELS OF STRUCTURES ARE FOR THE CONTRACTORS GUIDANCE ONLY. ACTUAL FINISHED LEVELS SHALL BE SET OUT AS DIRECTED ON SITE IN KEEPING WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE LOCAL AUTHORITY AND ACTUAL FINISHED GROUND LEVELS.
6. STORMWATER PIT COVERS FOR JUNCTION AND GRATED PITS TO COMPLY WITH AS 3996 FOR:

LOAD CLASS	TYPICAL USE
CLASS A	INTERNAL PEDESTRIAN PRECINCTS ONLY. NO VEHICULAR TRAFFIC
CLASS B	EXTERNAL AREAS INCLUDING FOOTPATHS, FOOTWAYS AND LIGHT VEHICULAR TRAFFIC ONLY
CLASS D	CARS, TRUCKS (HIGHWAY TRAFFIC) AND COMMERCIAL VEHICULAR TRAFFIC
CLASS E	HEAVY DUTY FORKLIFTS AND EARTHMOVING EQUIPMENT

7. REFER TO TABLE BELOW FOR MINIMUM PIT DIMENSIONS (AS 3500.3 TABLE 7.5.2.1):

DEPTH TO INVERT	WIDTH	LENGTH
LESS THAN 600mm	450mm	450mm
FROM 600mm TO 900mm	600mm	600mm
FROM 900mm TO 1200mm	600mm	900mm
MORE THAN 1200mm	900mm	900mm

8. ALL INTERNAL WORKS WITHIN PROPERTY BOUNDARIES ARE TO COMPLY WITH THE REQUIREMENTS OF AS 3500 3.1 (2006) AND AS/NZS 3500 3.2 (2010).
9. PRECAST PITS MAY BE USED EXTERNAL TO THE BUILDING SUBJECT TO APPROVAL BY STANTEC AUSTRALIA.
10. ENLARGERS, CONNECTIONS AND JUNCTIONS TO BE PREFABRICATED FITTINGS WHERE PIPES ARE LESS THAN 300 DIA.
11. PIPES FOR SUBSOIL DRAINS SHALL BE SLOTTED 100mm DIA. CLASS 1000 WRAPPED IN GEOFABRIC, UNO, COMPLYING WITH THE REQUIREMENTS OF AS2439. ALL SUBSOIL PIPES SHALL BE FACTORY SLOTTED HDPE, MIN. 100mm DIA. CLASS SN8, SIMILAR OR EQUAL TO VINIDEX DRAINCOIL, CERTIFIED uPVC, IN ACCORDANCE WITH AS1260, AS2032 (PIPE) & AS3789 (JOINTING) INSTALLED ON GEOTEXTILE FABRIC WITH 150mm SURROUND OF 25mm BLUE METAL AGGREGATE, UNO. WHERE SUBSOIL DRAINS PASS UNDER FLOOR SLABS AND PAVEMENTS, UNSLOTTED uPVC DWV GRADE CLASS SN8 SEWER GRADE PIPE IS TO BE USED.
12. CARE IS TO BE TAKEN WITH LEVELS OF STORMWATER LINES. GRADES SHOWN ARE NOT TO BE REDUCED WITHOUT APPROVAL.
13. AT ALL TIMES DURING CONSTRUCTION OF STORMWATER PITS, ADEQUATE SAFETY PROCEDURES SHALL BE TAKEN TO ENSURE AGAINST THE POSSIBILITY OF PERSONNEL FALLING DOWN PITS.
14. ALL EXISTING STORMWATER DRAINAGE LINES AND PITS THAT ARE TO REMAIN ARE TO BE INSPECTED AND CLEANED. DURING THIS PROCESS ANY PART OF THE STORMWATER DRAINAGE SYSTEM THAT WARRANTS REPAIR SHALL BE REPORTED TO THE SUPERINTENDENT/ENGINEER FOR FURTHER DIRECTIONS. CCTV SHALL BE UNDERTAKEN OF EXISTING PIPES WHERE NECESSARY TO CONFIRM THEIR ADEQUACY PRIOR TO AND FOLLOWING CONSTRUCTION.
15. THE CONTRACTOR IS TO ORGANISE AND STAGE CONSTRUCTION WORK AND UNDERTAKE ANY DIVERSION WORKS TO ENSURE THE EXISTING DRAINAGE IS ABLE TO CONVEY ALL STORMWATER FLOWS THAT MAY OCCUR DURING THE PERIOD OF THE CONSTRUCTION WORKS.
16. ANY DAMAGE TO THE WORKS DUE TO STORMWATER FLOWS OR FLOODING DURING THE CONSTRUCTION PERIOD IS AT THE CONTRACTOR'S RISK.
17. SETOUT POINTS FOR STORMWATER STRUCTURES ARE AS INDICATED IN THE DRAWINGS UNLESS OTHERWISE NOTED.
18. ALL PAVED SURFACE LEVELS AND GRADES TO BE COORDINATED WITH GULLY PIT LEVELS TO ENSURE NO UNDRAINED AREAS OCCUR.
19. THE SIDES OF ALL PIPE TRENCH EXCAVATIONS DEEPER THAN 1.0m SHALL BE FULLY SUPPORTED AT ALL TIMES AND HAVE APPROPRIATE EDGE PROTECTION.
20. ALL NEW PIPES TO BE LAID IN AN UPSTREAM DIRECTION. THE LINE, LEVEL AND LOCATION OF EXISTING SERVICES CROSSING THE LINE OF THE PROPOSED STORMWATER PIPE SHALL BE DETERMINED BY EXCAVATION PRIOR TO THE LAYING OF THE PIPE. IF CONFLICT IS APPARENT, THE ENGINEER SHALL BE NOTIFIED AND INSTRUCTIONS AS TO WHETHER THE EXISTING SERVICE IS TO BE ADJUSTED OR THE PROPOSED PIPE INVERT ALTERED WILL BE ISSUED.
21. PIPE BEDDING, HAUNCH AND BACKFILL TO BE AS SHOWN ON THE CIVIL DETAILS DRAWINGS AND THE CIVIL SPECIFICATION. WHERE TRENCHES ARE IN ROCK, THE PIPE SHALL BE BEDDED ON A MIN. 50mm CONCRETE BED OR 75mm THICK BED OF 12mm BLUE METAL UNDER THE BARREL OF THE PIPE. THE PIPE COLLAR AT NO POINT SHALL BEAR ON THE ROCK.
22. SUBSOIL DRAINAGE PIPES TO BE SLOTTED PIPE AND FILTER SOCK CLASS 1000 TO AS2439 PART 1 LAID AT PREFERABLE MINIMUM GRADE 1 IN 100 OR ABSOLUTE MINIMUM 1 IN 200 WHERE LIMITED BY OUTFALL LEVELS.
23. 100mm DIA. SUBSOIL DRAINAGE SHALL BE PROVIDED IN THE FOLLOWING LOCATIONS AND CONNECTED TO THE SITE STORMWATER DRAINAGE SYSTEM, UNO.:-
    - 23.1. UNDER KERBS AND ADJACENT TO ALL PAVEMENTS
    - 23.2. AT THE BASE OF THE HIGH SIDE OF ALL RETAINING WALLS
    - 23.3. AROUND THE BUILDING SLAB FOOTPRINT
    - 23.4. AROUND ALL STORMWATER PITS
24. EQUIVALENT STRENGTH REINFORCED CONCRETE OR FIBROUS REINFORCED CONCRETE PIPES MAY BE USED SUBJECT TO APPROVAL BY THE SUPERINTENDENT.
25. CONTRACTOR IS TO ENSURE THAT ALL DRAINAGE STRUCTURES ARE ADEQUATELY REINFORCED AND SHALL PROVIDE DESIGN CERTIFICATION FOR ALL REINFORCED CONCRETE LIDS.
26. ALL STORMWATER DRAINAGE LINES UNDER PROPOSED BUILDING SLABS TO BE uPVC PRESSURE PIPE GRADE 6. ENSURE ALL VERTICALS AND DOWNPIPES ARE uPVC PRESSURE PIPE, GRADE 6 FOR A MIN OF 3.0m IN HEIGHT.
27. PIPES TO BE INSTALLED TO TYPE H2 (NOT UNDER ROADWAYS) OR TYPE HS2 (UNDER ROADWAYS) SUPPORT IN ACCORDANCE WITH AS 3725 (2007). IN ALL CASES BACKFILL TRENCH WITH SAND TO 300mm ABOVE PIPE. WHERE PIPE IS UNDER PAVEMENTS BACKFILL REMAINDER OF TRENCH TO UNDERSIDE OF PAVEMENT WITH SAND OR APPROVED GRANULAR MATERIAL COMPACTED IN 150mm LAYERS TO MINIMUM 98% STANDARD MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1. (OR A DENSITY INDEX OF NOT LESS THAN 75)
28. STORMWATER STRUCTURES ARE TO BE CONSTRUCTED PERPENDICULAR TO THE INCOMING PIPEWORK UNLESS OTHERWISE NOTED.
29. PRECAST COMPONENTS SHALL BE CONNECTED BY MEANS OF EPOXY OR CHEMICAL GROUTED BARS OF THE SAME DIAMETER AND SPACING AS THE SMALLER BARS IN THE RESPECTIVE COMPONENTS.
25. PRE-CAST PITS MUST HAVE LIFTING ANCHORS.
26. WORKING LOADS ARE THOSE DUE TO FILL MATERIAL AND STANDARD HIGHWAY VEHICLES AS PER AS3725. CONSTRUCTION LOADS HAVE NOT BEEN ALLOWED FOR.
27. ALL EXPOSED EDGES ON STORMWATER PITS TO BE ROUNDED TO 5mm RAD. UNO.
28. ALL MILD STEEL FIXTURES INCLUDING GRATES, FRAMES, STEP IRONS, LADDERS, ETC., SHALL BE HOT DIP GALVANISED. GALVANISING SHALL COMPLY WITH THE REQUIREMENTS OF AS1214 OR AS1650, AS APPROPRIATE.
29. 29. ALL CONNECTIONS TO EXISTING DRAINAGE PITS SHALL BE MADE IN A TRADESMAN-LIKE MANNER AND THE INTERNAL WALL OF THE PIT AT THE POINT OF ENTRY SHALL BE CEMENT RENDERED TO ENSURE A SMOOTH FINISH.

STORMWATER DRAINAGE NOTES

28. PITS DEEPER THAN 1200mm SHALL HAVE ACCESS LADDERS OR STEP IRONS INSTALLED AND SHALL BE IN ACCORDANCE WITH THE LOCAL OR STATUTORY REQUIREMENTS.
29. WHERE A PIT IS IDENTIFIED AS A CONFINED SPACE, PIT COVERS SHALL BE PROVIDED WITH STANDARD CONFINED SPACE SIGNAGE.
30. CAPPED FLUSHING POINTS MUST BE PROVIDED FOR ALL SUBSOIL AND SEEPAGE DRAINAGE SYSTEMS AT THE END OF EACH PIPE, AT MAX. 30m SPACING AND AT CHANGES IN DIRECTION.
31. THE CONTRACTOR SHALL OBTAIN A ROAD OPENING PERMIT FOR ANY WORKS WITHIN THE PUBLIC ROAD RESERVE AND COMPLY WITH ALL AUTHORITY REQUIREMENTS.
32. PIPES SHALL BE TRUE TO GRADES SHOWN AND ALIGNED SO THAT THE CENTRES OF THE INLET PIPES INTERSECT WITH THE CENTRE OF THE OUTLET PIPE AT THE DOWNSTREAM FACE OF THE PIT.
33. MINIMUM GRADES FOR GRAVITY STORMWATER DRAINAGE SHALL CONFORM TO AS 3500 PART 3 AS FOLLOWS, UNO:-
    - 33.1. 1% FOR 100mm AND 150mm DIA. PIPES
    - 33.2. 0.5% FOR 225mm DIA. PIPES
    - 33.3. 0.4% FOR 300mm DIA. PIPES
    - 33.4. 0.33% FOR 375mm DIA. PIPES
34. MINIMUM DEPTH OF COVER SHALL BE AS FOLLOWS, UNO:-
    - 34.1. 300mm IN PRIVATE PROPERTY (NON-VEHICULAR TRAFFIC)
    - 34.2. 450mm IN PUBLIC AREAS
    - 34.3. 600mm IN VEHICULAR TRAFFICABLE AREAS (FOOTWAY/ROADWAYS)
35. BED ALL PIPES FIRMLY AND EVENLY ONTO IMPORTED BEDDING FILL MATERIAL.
36. LAY AND JOINT ALL PIPES IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION AND
    AS 3725 BURIED FLEXIBLE PIPELINES
    AS 2566 LOADS ON BURIED FLEXIBLE PIPELINES
    AS 1597.2 PRECAST REINFORCED CONCRETE BOX CULVERTS
    AS 3500 NATIONAL PLUMBING AND DRAINAGE CODE
    SYDNEY WATER REQUIREMENTS (WHERE APPLICABLE)
37. ALLOW TO TEST ALL PIPES AND PITS TO MANUFACTURERS REQUIREMENTS.

EROSION AND SEDIMENT CONTROL NOTES

GENERAL INSTRUCTIONS

1. THE SITE SUPERINTENDENT/ENGINEER WILL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE LOCATED AS DOCUMENTED.
2. ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH
    - 2.1. LOCAL AUTHORITY REQUIREMENTS
    - 2.2. EPA REQUIREMENTS
    - 2.3. NSW DEPARTMENT OF HOUSING MANUAL "MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION", 4th EDITION, MARCH 2004.
3. MAINTAIN THE EROSION CONTROL DEVICES TO THE SATISFACTION OF THE SUPERINTENDENT AND THE LOCAL AUTHORITY.
4. WHEN STORMWATER PITS ARE CONSTRUCTED, PREVENT SITE RUNOFF ENTERING UNLESS SEDIMENT FENCES ARE ERECTED AROUND PITS.
5. CONTRACTOR IS TO ENSURE ALL EROSION & SEDIMENT CONTROL DEVICES ARE MAINTAINED IN GOOD WORKING ORDER AND OPERATE EFFECTIVELY. REPAIRS AND OR MAINTENANCE SHALL BE UNDERTAKEN AS REQUIRED, PARTICULARLY FOLLOWING STORM EVENTS.

LAND DISTURBANCE

6. WHERE PRACTICAL, THE SOIL EROSION HAZARD ON THE SITE WILL BE KEPT AS LOW AS POSSIBLE. TO THIS END, WORKS SHOULD BE UNDERTAKEN IN THE FOLLOWING SEQUENCE:
    - 6.1. INSTALL A SEDIMENT FENCE ALONG THE BOUNDARIES AS SHOWN ON PLAN. REFER DETAIL.
    - 6.2. CONSTRUCT STABILISED CONSTRUCTION ENTRANCE TO LOCATION AS DETERMINED BY SUPERINTENDENT/ENGINEER. REFER DETAIL.
    - 6.3. INSTALL SEDIMENT BASIN AS SHOWN ON PLAN
    - 6.4. INSTALL SEDIMENT TRAPS AS SHOWN ON PLAN.
7. UNDERTAKE SITE DEVELOPMENT WORKS IN ACCORDANCE WITH THE ENGINEERING PLANS. WHERE POSSIBLE, PHASE DEVELOPMENT SO THAT LAND DISTURBANCE IS CONFINED TO AREAS OF WORKABLE SIZE.

EROSION CONTROL

8. DURING WINDY WEATHER, LARGE, UNPROTECTED AREAS WILL BE KEPT MOIST (NOT WET) BY SPRINKLING WITH WATER TO KEEP DUST UNDER CONTROL.
9. FINAL SITE LANDSCAPING WILL BE UNDERTAKEN AS SOON AS POSSIBLE AND WITHIN 20 WORKING DAYS FROM COMPLETION OF CONSTRUCTION ACTIVITIES.

SEDIMENT CONTROL

10. STOCKPILES WILL NOT BE LOCATED WITHIN 2 METRES OF HAZARD AREAS, INCLUDING LIKELY AREAS OF CONCENTRATED OR HIGH VELOCITY FLOWS SUCH AS WATERWAYS. WHERE THEY ARE BETWEEN 2 AND 5 METRES FROM SUCH AREAS, SPECIAL SEDIMENT CONTROL MEASURES SHOULD BE TAKEN TO MINIMISE POSSIBLE POLLUTION TO DOWNSLOPE WATERS, E.G. THROUGH INSTALLATION OF SEDIMENT FENCING.
11. ANY SAND USED IN THE CONCRETE CURING PROCESS (SPREAD OVER THE SURFACE) WILL BE REMOVED AS SOON AS POSSIBLE AND WITHIN 10 WORKING DAYS FROM PLACEMENT.
12. WATER WILL BE PREVENTED FROM ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS IT IS RELATIVELY SEDIMENT FREE, I.E. THE CATCHMENT AREA HAS BEEN PERMANENTLY LANDSCAPED AND/OR ANY LIKELY SEDIMENT HAS BEEN FILTERED THROUGH AN APPROVED STRUCTURE.
13. TEMPORARY SOIL AND WATER MANAGEMENT STRUCTURES WILL BE REMOVED ONLY AFTER THE LANDS THEY ARE PROTECTING ARE REHABILITATED.

OTHER MATTERS

13. ACCEPTABLE RECEPTORS WILL BE PROVIDED FOR CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHT-WEIGHT WASTE MATERIALS AND LITTER.
14. ANY EXISTING TREES WHICH FORM PART OF THE FINAL LANDSCAPING PLAN WILL BE PROTECTED FROM CONSTRUCTION ACTIVITIES BY:
    - 14.1. PROTECTING THEM WITH BARRIER FENCING OR SIMILAR MATERIALS INSTALLED OUTSIDE THE DRIP LINE
    - 14.2. ENSURING THAT NOTHING IS NAILED TO THEM
    - 14.3. PROHIBITING PAVING, GRADING, SEDIMENT WASH OR PLACING OF STOCKPILES WITHIN THE DRIP LINE EXCEPT UNDER THE FOLLOWING CONDITIONS.
    - 14.4. ENCROACHMENT ONLY OCCURS ON ONE SIDE AND NO CLOSER TO THE TRUNK THAN EITHER 1.5 METRES OR HALF THE DISTANCE BETWEEN THE OUTER EDGE OF THE DRIP LINE AND THE TRUNK, WHICH EVER IS THE GREATER
    - 14.5. A DRAINAGE SYSTEM THAT ALLOWS AIR AND WATER TO CIRCULATE THROUGH THE ROOT ZONE (E.G. A GRAVEL BED) IS PLACED UNDER ALL FILL LAYERS OF MORE THAN 300 MILLIMETRES DEPTH
    - 14.6. CARE IS TAKEN NOT TO CUT ROOTS UNNECESSARILY NOR TO COMPACT THE SOIL AROUND THEM.

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File Name: 301350227-CI-DA-007-01.DWG	CPO	MDR	RET	2022.07.01
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PRECINCT 75

Title
GENERAL NOTES
SHEET 1

Project No. 301350227
Scale -
Revision E
Drawing No. **CI-DA-007-01**

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

ASPHALTIC CONCRETE NOTES

1. GENERAL
   - 1.1. MINERAL AGGREGATED SHALL COMPLY WITH AUSTRALIAN STANDARDS
   - 1.2. MINERAL FILLER SHALL COMPPLY WITH AS 2357 MINERAL FILLERS OR ASPHALT
   - 1.3. BITUMEN BINDER SHALL COMPLY WITH AS 2008.
2. MIX PROPORTIONS
   - 2.1. JOB MIX - 10mm NOMINAL SIZE AGGREGATE. MINIMUM BITUMEN CONTENT BY MASS OF TOTAL MASS - 5.1%
   - 2.2. MIX STABILITY SHALL BE BETWEEN 16kN AND 36kN AS DETERMINED BY AS 2891
   - 2.3. AIR VOIDS IN COMPACTED MIX SHALL BE BETWEEN 4% AND 7% OF THE TOTAL VOLUME OF THE MIX
   - 2.4. VOIDS FILLED IN BINDER - BETWEEN 65% AND 80% OF AIR VOIDS IN THE TOTAL MINERAL AGGREGATE FILLED BY BINDER IN ACCORDANCE WITH AUSTRALIAN STANDARDS
3. PAVEMENT PREPARATION
   - 3.1. THE EXISTING SURFACE TO BE SEALED SHALL BE DRY AND BROOMED BEFORE COMMENCEMENT OF WORK TO ENSURE COMPLETE REMOVAL OF ALL SUPERFICIAL AND FOREIGN MATTER
   - 3.2. ALL DEPRESSIONS OR UNEVEN AREAS ARE TO BE TACK-COATED AND BROUGHT UP TO THE GENERAL LEVEL OR PAVEMENT WITH ASPHALTIC CONCRETE BEFORE LAYING THE MAIN COURSE
4. TACK COATING
   - 4.1. THE WHOLE AREA TO BE SHEETED WITH ASPHALTIC CONCRETE SHALL BE LIGHTLY AND EVENLY COASTED WITH RAPID SETTING BITUMEN COMPLYING WITH AUSTRALIAN STANDARDS. APPLICATION RATE FOR RESIDUAL BITUMEN SHALL BE 0.15 TO 0.3L/m^2. APPLICATION SHALL BE BY MEANS OF A MECHANICAL SPRAYER WITH A SPRAY BAR.
5. SPREADING
   - 5.1. ALL ASPHALTIC CONCRETE SHALL BE SPREAD WITH A SELF-PROPELLING PAVING MACHINE
   - 5.2. THE ASPHALTIC CONCRETE SHALL BE LAID AT A MIX TEMPERATURE AS SPECIFIED BELOW:-

ROAD SURFACE TEMPERATURE IN SHADE (°C)	MIX TEMPERATURES (°C)
5 - 10	NOT PERMITTED
10 - 15	150
15 - 25	145
OVER 25	140

   - 5.3 ASPHALTIC CONCRETE SHALL NOT BE LAID WHEN THE ROAD SURFACE IS WET OR WHEN COLD WINDS CHILL THE MIX, ADVERSELY AFFECTING SPREADING AND COMPACTION
   - 5.4 THE MINIMUM COMPACTED THICKNESS IS 30mm OVER EXISTING SEALED PAVEMENTS AND 50mm OVER NEW PAVEMENTS
6. JOINTS
   - 6.1. THE NUMBER OF JOINTS BOTH LONGITUDINAL AND TRANSVERSE SHALL BE KEPT TO A MINIMUM
   - 6.2. THE DENSITY AND SURFACE FINISH AT JOINTS SHALL BE SIMILAR TO THOSE OF THE REST OF THE LAYER
7. COMPACTION
   - 7.1. ALL COMPACTION SHALL BE UNDERTAKEN USING SELF-PROPELLED ROLLERS
   - 7.2. INITIAL ROLLING SHALL BE COMPLETE BEFORE THE MIX TEMPERATURE FALLS BELOW 105°C
   - 7.3. SECONDARY ROLLING SHALL BE COMPLETED BEFORE THE MIX TEMPERATURE FALLS BELOW 60°C
   - 7.4. MINIMUM CHARACTERISTICS VALUE OF RELATIVE COMPACTION OF A LOT WHEN TESTED IN ACCORDANCE WITH AS 2150
8. FINISHED PAVEMENT PROPERTIES
   - 8.1. FINISHED SURFACES SHALL BE SMOOTH, DENSE AND TRUE TO SHAPE AND SHALL NOT VARY MORE THAN 10mm FROM THE SPECIFIED PLAN LEVEL AT ANY POINT AND SHALL NOT DEVIATE FROM THE BOTTOM OF A 3m STRAIGHT EDGE LAID IN ANY DIRECTION BY MORE THAN 5mm.
9. OTHER
   - 9.1. ASPHALTIC CONCRETE SHALL CONFORM TO RMS. SPECIFICATION R116.
   - 9.2. ALL BASECOURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH RMS. FORM 3051 (UNBOUND), RMS. FORM 3052 (BOUND) COMPACTED TO MINIMUM 98% MODIFIED DENSITY IN ACCORDANCE WITH AS 1289 5.2.1. FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m^3 BASECOURSE MATERIAL PLACED.
   - 9.3. ALL SUB-BASE COURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH RMS. FORM 3051, 3051.1 AND COMPACTED TO MINIMUM 95% MODIFIED DENSITY IN ACCORDANCE WITH A.S 1289 5.2.1. FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m^3 OF SUB-BASE COURSE MATERIAL PLACED.
   - 9.4. AS AN ALTERNATIVE TO THE USE OF IGNEOUS ROCK AS A SUB-BASE MATERIAL IN (9.2) A CERTIFIED RECYCLED CONCRETE MATERIAL COMPLYING WITH RMS. FORM 3051 AND 3051.1 WILL BE CONSIDERED. SUBJECT TO MATERIAL SAMPLES AND APPROPRIATE CERTIFICATIONS BEING PROVIDED TO THE SATISFACTION OF STANTEC.
   - 9.5. SHOULD THE CONTRACTOR WISH TO USE A RECYCLED PRODUCT THIS SHALL BE CLEARLY INDICATED IN THEIR TENDER AND THE PRICE DIFFERENCE BETWEEN AN IGNEOUS PRODUCT AND A RECYCLED PRODUCT SHALL BE CLEARLY INDICATED. THIS PRODUCT SHALL BE REVIEWED AND APPROVED BY THE ENGINEER.

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GENERAL NOTES
SHEET 2

Project No.	Scale
301350227	-
Revision: C	Drawing No.: **CI-DA-007-02**

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Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

ZONE 2

ZONE 1

EDITH STREET

EDITH STREET

EXISTING BUILDING 7

EXISTING BUILDING 6

PROPOSED BUILDING 8

PROPOSED BUILDING A

PROPOSED BUILDING B

JOINS SHEET CI-DA-520-01

JOINS SHEET CI-DA-520-02

JOINS SHEET CI-DA-520-02

JOINS SHEET CI-DA-520-01

JOINS SHEET CI-DA-520-01

ZONE 3

ZONE 4

EXISTING BUILDING 1

PROPOSED BUILDING C

JOINS SHEET CI-DA-520-04

JOINS SHEET CI-DA-520-03

EXISTING BUILDING 2

EXISTING 67 MARY STREET

MARY STREET

MARY STREET

1:300 3 0 3 6 9 12 15 A1

1:600 A3

ORIGINAL SHEET - ISO A1 COORD - MGA/P4-Zone 56 DATUM - mAHD

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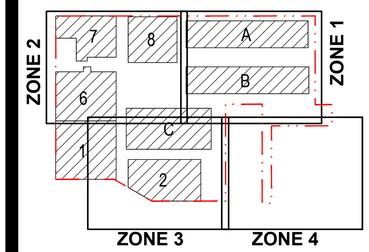

KEY PLAN

F	RE-ISSUE FOR S.456 APPROVAL	LPT	MDR	2023.05.26
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Title

KEY PLAN

Project No. 301350227

Scale 1:300

Revision F

Drawing No. **CI-DA-060-01**

EDITH STREET

EDITH STREET

MARY STREET

MARY STREET

PROVIDE KERB SEDIMENT TRAP AT SITE WORK EXTENT

PROVIDE SHAKER GRID DEVICE AT SITE ENTRANCE/EXIT

LOCATION OF TOPSOIL STOCKPILE TO BE CONFIRMED ON-SITE BY CONTRACTOR

MAINTAIN EXISTING OVERFLOW PATH DURING EARLY WORKS STAGES. ALIGN SITE FENCING AND SEDIMENT BARRIERS TO PERMIT OVERLAND FLOW THROUGH EXISTING CHANNEL

DURING SWALE WORKS, OVERLAND FLOW INTO A SINGLE SWALE.

PROVIDE SANDBAG PROTECTION AROUND ALL EXISTING/PROPOSED STORMWATER INLET STRUCTURES FOR PROTECTION AGAINST SEDIMENT AND DEBRIS

TEMPORARY SEDIMENT BASIN LOCATION. OVERLAND FLOW FROM ALL AREAS TO BE DIRECTED TO THE TEMPORARY SEDIMENT BASIN. SETTLEMENT AND TREATMENT PRIOR TO DISCHARGE FROM SITE TO BE UNDERTAKEN IN ACCORDANCE WITH:
- COUNCIL EROSION AND SEDIMENT CONTROL POLICY
- GEOTECHNICAL AND ENVIRONMENTAL ASSESSMENT

TOTAL VOLUME = 339m3
DEPTH = 1.5m

PUMP OUT WATER FROM SEDIMENT BASIN TO COUNCIL'S NETWORK. ALL PUMPED WATER TO MEET MEET COUNCIL'S WATER QUALITY REQUIREMENTS

PROVIDE SHAKER GRID DEVICE AT SITE ENTRANCE/EXIT

LOCATION OF TOPSOIL STOCKPILE TO BE CONFIRMED ON-SITE BY CONTRACTOR

SEDIMENT FENCE TO BE LOCATED AROUND SITE WHERE NECESSARY

LEGEND

- PROPOSED SITE BOUNDARY
- PROPOSED BASEMENT EXTENT
- EXISTING CONTOURS (18.0)
- VEHICLE SHAKEDOWN DEVICE
- PROPOSED SILT FENCE
- SANDBAG PIT PROTECTION
- SEDIMENT TRAP FOR KERB INLET PITS
- PROPOSED GRATED PIT
- PROPOSED JUNCTION PIT
- EXISTING STORMWATER PIT
- PROPOSED GRATED DRAIN
- OVERLAND FLOW PATH
- PROPOSED SEDIMENT BASIN
- PROPOSED STOCKPILE
- PROPOSED CATCH DRAIN
- EXISTING POWER LINE
- EXISTING GAS
- EXISTING COMMUNICATION LINE
- EXISTING WATER
- EXISTING SEWER
- EXISTING DRAINAGE

NOTES

1. REFER DRAWING CI-076-01 FOR EROSION AND SEDIMENT CONTROL DETAILS.
2. MINIMISE THE AREA OF SITE BEING DISTURBED AT ANY ONE TIME.
3. WORKS IN PROXIMITY OF EXISTING TREES TO BE CARRIED OUT IN ACCORDANCE WITH ARBORIST CONSULTANT ADVICE.
4. SEDIMENT AND EROSION CONTROL PLAN IS INDICATIVE ONLY.
5. REFER TO GEOTECHNICAL AND ENVIRONMENTAL REPORTS FOR THE SITE CONTAMINATION ASSESSMENT AND THEIR ADVICE.

1:300 3 0 3 6 9 12 15 A1
1:600 A3

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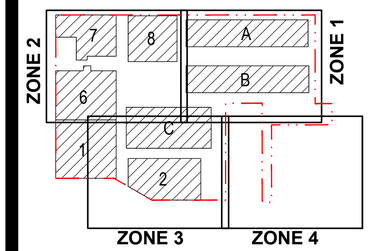

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EROSION AND SEDIMENT CONTROL PLAN

Project No. 301350227
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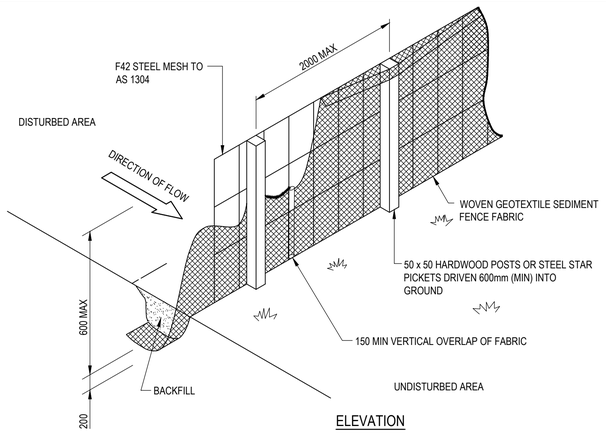
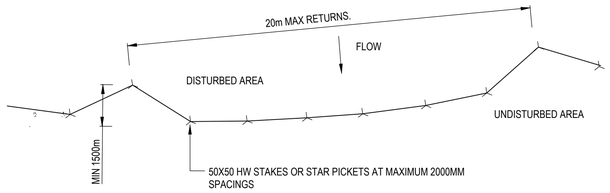
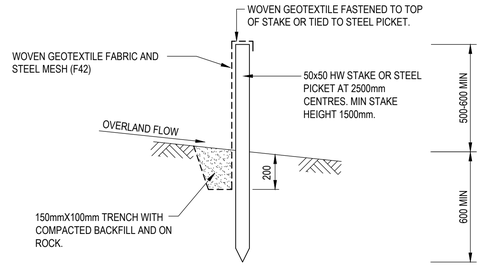
Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025



ELEVATION



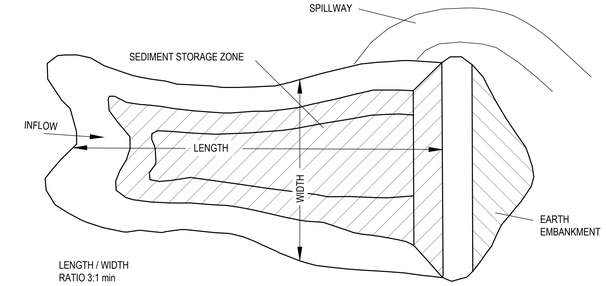
PLAN



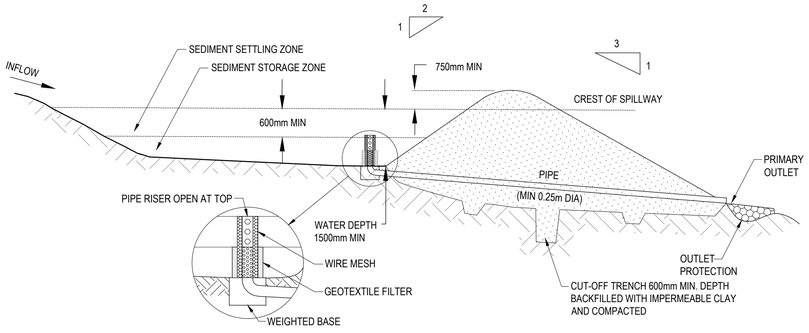
SECTION DETAIL

SEDIMENT FENCE DETAIL

SCALE N.T.S.



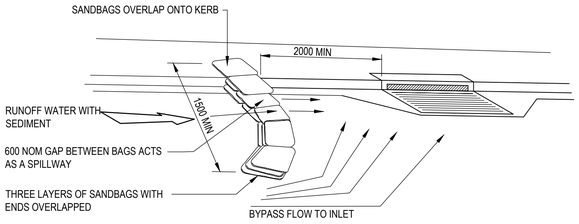
PLAN VIEW



CROSS-SECTION

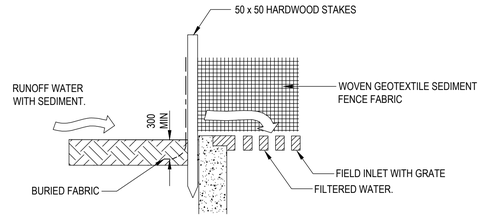
SEDIMENT BASIN DETAIL

SCALE N.T.S

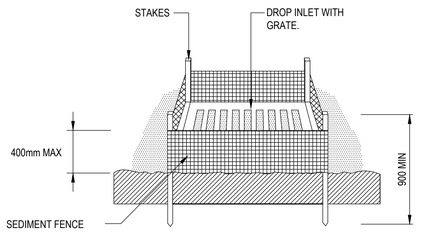


SANDBAG KERB INLET SEDIMENT TRAP

SCALE N.T.S.



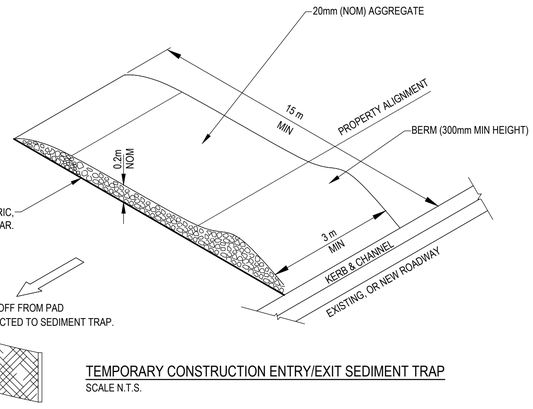
SECTION



ELEVATION

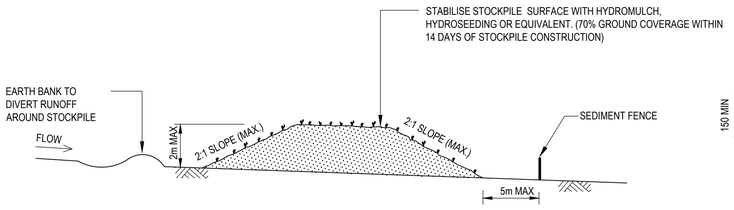
GEOTEXTILE FILTER FABRIC DROP INLET SEDIMENT TRAP

SCALE N.T.S.



TEMPORARY CONSTRUCTION ENTRY/EXIT SEDIMENT TRAP

SCALE N.T.S.

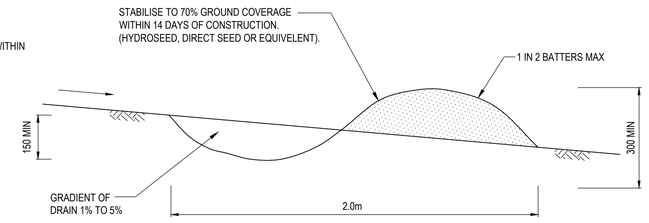


TYPICAL STOCKPILE CONFIGURATION

SCALE N.T.S.

NOTE:

1. LOCATE STOCKPILES AT TOP OF CATCHMENT ON FLAT GROUND AND NOT WITHIN 5m OF CONCENTRATED FLOW PATHS.

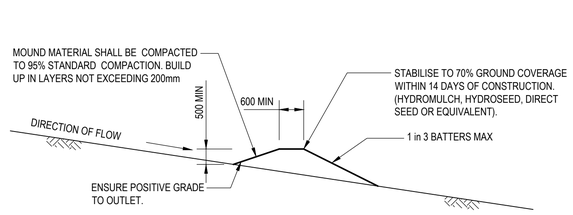


CATCH DRAIN / EARTH BANK DETAIL

SCALE N.T.S.

NOTES:

1. ONLY TO BE USED AS TEMPORARY BANK WHERE MAXIMUM UPSLOPE LENGTH IS 80 METRES.
2. BUILD DRAINS WITH CIRCULAR, PARABOLIC OR TRAPEZOIDAL CROSS SECTIONS RATHER THAN V SHAPED

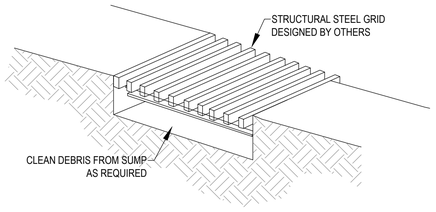


DIVERSION CHANNEL/ BANK DETAIL

SCALE: NTS

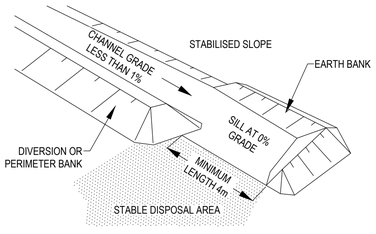
NOTES

1. THIS PLAN IS TO BE READ IN CONJUNCTION WITH OTHER ENGINEERING PLANS AND ANY WRITTEN INSTRUCTIONS THAT MAY BE ISSUED.
2. THE CONTRACTOR SHALL IMPLEMENT ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO DISTURBANCE OF THE RELATED CATCHMENT AREA AND TO THE STANDARD OF 'MANAGING URBAN STORMWATER, SOIL & CONSTRUCTION' & COUNCIL SPECIFICATIONS.
3. ALL SUBCONTRACTORS SHALL BE INFORMED OF THEIR RESPONSIBILITIES IN MINIMISING THE POTENTIAL FOR SOIL EROSION AND POLLUTION TO DOWN SLOPE AREAS.
4. THE LOCATION OF FENCES, SEDIMENT TRAPS AND OTHER DEVICES ARE INDICATIVE ONLY AND FINAL LOCATIONS ARE TO BE DECIDED ON SITE. VARIATIONS WILL BE PERMITTED TO BEST SUIT THE CIRCUMSTANCES. CONTRACTOR TO PREPARE DETAILED CONSTRUCTION SEDIMENT AND EROSION CONTROL PLAN.
5. ALL SOIL EROSION AND SEDIMENT CONTROL STRUCTURES SHALL BE INSPECTED FOLLOWING EACH STORM EVENT AND ANY NECESSARY MAINTENANCE WORK SHALL BE UNDERTAKEN TO ENSURE THEIR CONTINUED PROPER OPERATION. SEDIMENT SHALL BE REMOVED FROM THE SOIL EROSION & SEDIMENT CONTROL STRUCTURES WHEN
6. WHERE THE AREA TO BE DISTURB CONTAINS TREES TO REMAIN, AN ARBORIST CONSULTANT SHOULD PROVIDE ADVICE ON PROCEDURES AND MEASURES TO BE PLACED.
7. TEMPORARY REHABILITATION SHALL BE UNDERTAKEN WITHIN 14 WORKING DAYS BEFORE EITHER WORKS CONTINUE OR PERMANENT REHABILITATION IS UNDERTAKEN.
8. ALL SEDIMENT AND EROSION CONTROL MANAGEMENT MEASURES/DEVICES SHOWN ON THE PLANS SHALL BE IMPLEMENTED PRIOR TO CONSTRUCTION, AND MAINTAINED DURING AND AFTER.
9. REFER TO DRAWING CI-007-01 FOR FURTHER EROSION AND SEDIMENT CONTROL NOTES.



SHARKER PAD

SCALE N.T.S



LEVEL SPREADER (OR SILL)

SCALE N.T.S

Stantec

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2. Given the D&C nature of this project, the contractor must inspect the existing site to familiarise with the site, understanding the scope of the proposed services and the complexities surrounding its installation, extent of existing services and the demolition scope and importantly, to ascertain any latent conditions that could hinder services design and installation. Site inspection must be carried out prior to signing of contract. No variations will be allowed whatsoever resulting from the lack of site knowledge on the part of the D&C contractor. Any variations resulting from the lack of site knowledge will be the sole responsibility of the D&C contractor.

E	RE-ISSUE FOR S.456 APPROVAL	LPT	MDR	2023.05.26
D	ISSUE FOR S4.56 APPROVAL	LPT	MDR	2023.05.19
C	DRAFT ISSUED FOR S4.56 APPROVAL	LPT	MDR	2023.05.12
B	ISSUED FOR DA APPROVAL	JBC	RET	2022.07.06
A	DRAFT DA ISSUED FOR REVIEW	JBC	RET	2022.07.01
Issued/Revision		By	Appd	YYYY.MM.DD

File Name: 301350227-CI-DA-076-01.DWG	CPO	MDR	RET	2022.07.01
	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Issue Status

APPROVAL

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Client/Project
HOME

PRECINCT 75

Title
EROSION AND SEDIMENT CONTROL DETAILS

Project No.
301350227

Scale
N.T.S.

Revision
E

Drawing No.
CI-DA-076-01

Plotted: 26/05/2023 4:33:41 PM By: DIVA.RHONE, MEGIRA
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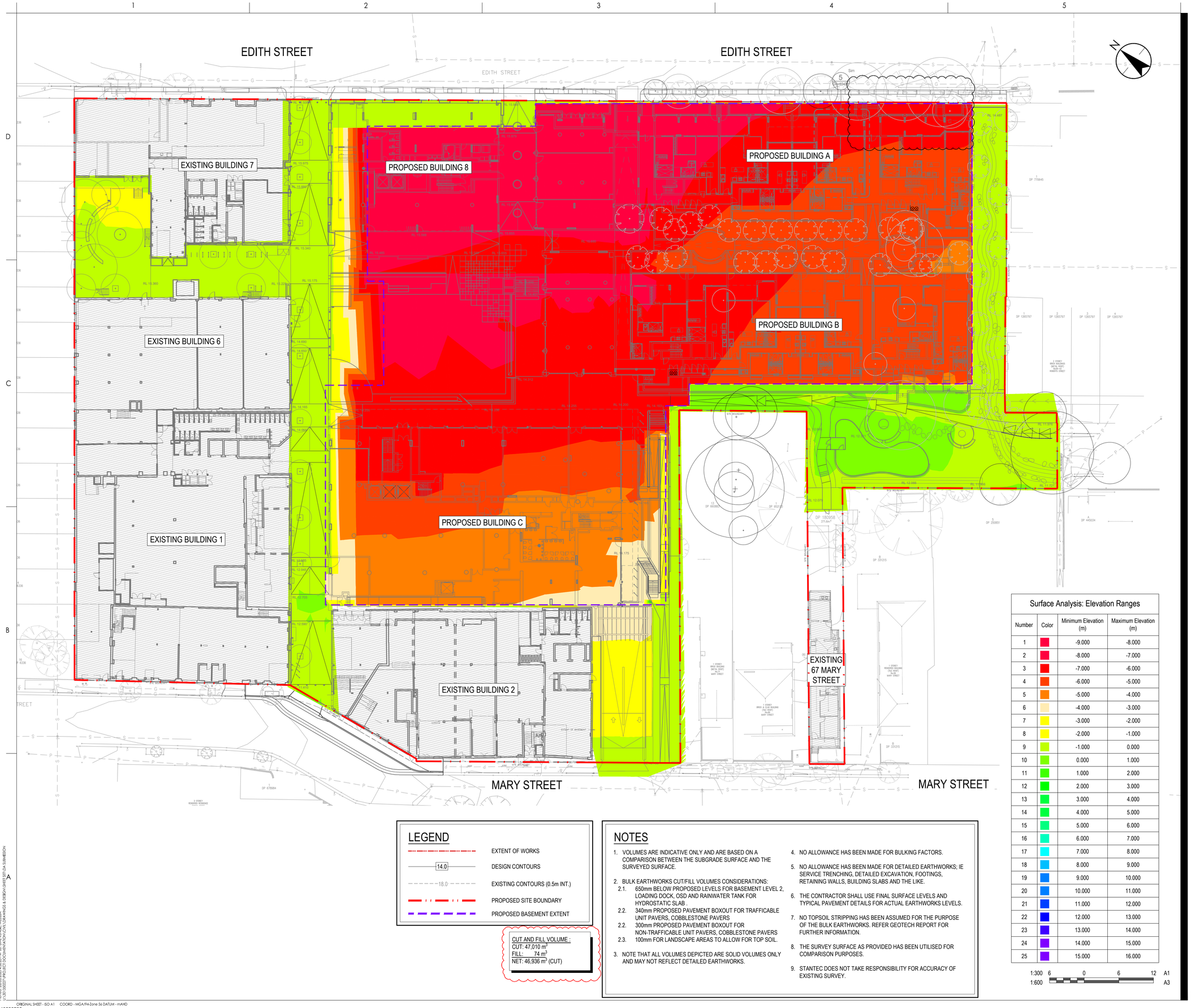
Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025



LEGEND

- EXTENT OF WORKS
- 14.0 — DESIGN CONTOURS
- 18.0 — EXISTING CONTOURS (0.5m INT.)
- PROPOSED SITE BOUNDARY
- PROPOSED BASEMENT EXTENT

CUT AND FILL VOLUME :
CUT: 47,010 m³
FILL: 74 m³
NET: 46,936 m³ (CUT)

NOTES

1. VOLUMES ARE INDICATIVE ONLY AND ARE BASED ON A COMPARISON BETWEEN THE SUBGRADE SURFACE AND THE SURVEYED SURFACE.
2. BULK EARTHWORKS CUT/FILL VOLUMES CONSIDERATIONS:
   - 2.1. 650mm BELOW PROPOSED LEVELS FOR BASEMENT LEVEL 2, LOADING DOCK, OSD AND RAINWATER TANK FOR HYDROSTATIC SLAB .
   - 2.2. 340mm PROPOSED PAVEMENT BOXOUT FOR TRAFFICABLE UNIT PAVERS, COBBLESTONE PAVERS
   - 2.2. 300mm PROPOSED PAVEMENT BOXOUT FOR NON-TRAFFICABLE UNIT PAVERS, COBBLESTONE PAVERS
   - 2.3. 100mm FOR LANDSCAPE AREAS TO ALLOW FOR TOP SOIL.
3. NOTE THAT ALL VOLUMES DEPICTED ARE SOLID VOLUMES ONLY AND MAY NOT REFLECT DETAILED EARTHWORKS.
4. NO ALLOWANCE HAS BEEN MADE FOR BULKING FACTORS.
5. NO ALLOWANCE HAS BEEN MADE FOR DETAILED EARTHWORKS; IE SERVICE TRENCHING, DETAILED EXCAVATION, FOOTINGS, RETAINING WALLS, BUILDING SLABS AND THE LIKE.
6. THE CONTRACTOR SHALL USE FINAL SURFACE LEVELS AND TYPICAL PAVEMENT DETAILS FOR ACTUAL EARTHWORKS LEVELS.
7. NO TOPSOIL STRIPPING HAS BEEN ASSUMED FOR THE PURPOSE OF THE BULK EARTHWORKS. REFER GEOTECH REPORT FOR FURTHER INFORMATION.
8. THE SURVEY SURFACE AS PROVIDED HAS BEEN UTILISED FOR COMPARISON PURPOSES.
9. STANTEC DOES NOT TAKE RESPONSIBILITY FOR ACCURACY OF EXISTING SURVEY.

Surface Analysis: Elevation Ranges

Number	Color	Minimum Elevation (m)	Maximum Elevation (m)
1		-9.000	-8.000
2		-8.000	-7.000
3		-7.000	-6.000
4		-6.000	-5.000
5		-5.000	-4.000
6		-4.000	-3.000
7		-3.000	-2.000
8		-2.000	-1.000
9		-1.000	0.000
10		0.000	1.000
11		1.000	2.000
12		2.000	3.000
13		3.000	4.000
14		4.000	5.000
15		5.000	6.000
16		6.000	7.000
17		7.000	8.000
18		8.000	9.000
19		9.000	10.000
20		10.000	11.000
21		11.000	12.000
22		12.000	13.000
23		13.000	14.000
24		14.000	15.000
25		15.000	16.000

1:300 1:600 — 6 0 6 12 — A1 A3

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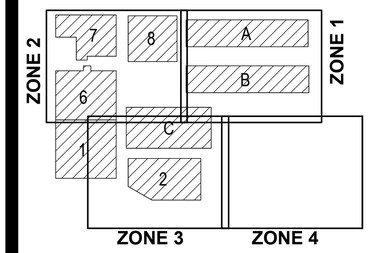

KEY PLAN

F	RE-ISSUE FOR S.456 APPROVAL	LPT	MDR	2023.05.26
E	ISSUE FOR S4.56 APPROVAL	LPT	MDR	2023.05.19
D	DRAFT ISSUED FOR S4.56 APPROVAL	LPT	MDR	2023.05.12
C	ISSUED FOR DA APPROVAL	LPT	MDR	2022.10.21
B	ISSUED FOR DA APPROVAL	JBC	RET	2022.07.06
A	DRAFT DA ISSUED FOR REVIEW	JBC	RET	2022.07.01
Issued/Revision		By	Appd	YYYY.MM.DD

File Name: 301350227-CI-DA-100-01.DWG	CPO	MDR	RET	2022.07.01
	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

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PRECINCT 75

Title
BULK EARTHWORKS PLAN

Project No.
301350227

Scale
1:300

Revision
F

Drawing No.
CI-DA-100-01

Plotted: 26/05/2023 4:39:23 PM By: DAN.PAONE - MEGA
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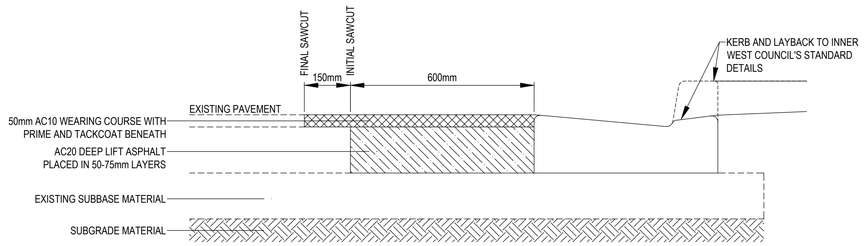
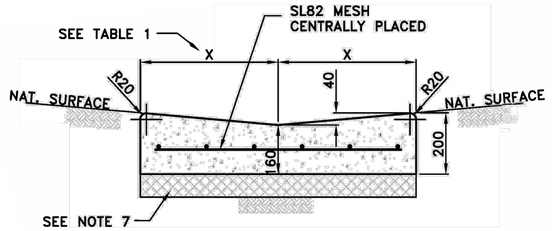
Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025



TYPICAL KERB RESTORATION WITHIN EXISTING PAVEMENT DETAIL

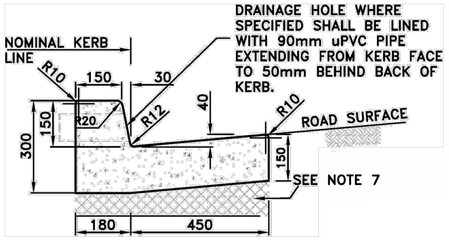
(SCALE 1:10)



REINFORCED DISH CROSSING

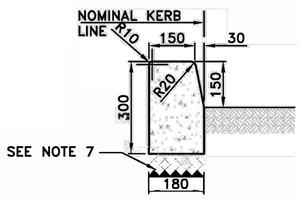
SCALE: NTS

TABLE 1: DISH CROSSING WIDTHS (X VALUE)	
TYPE	X (WIDTH)
1	300
2	450
3	600



150mm INTEGRAL KERB & GUTTER

SCALE: NTS



KERB ONLY

SCALE: NTS

ROAD NOTES 1:

1. CONCRETE STRENGTH

A) KERB, KERB & GUTTER, FOOTPATH, CYCLEWAY, VEHICLE CROSSING, PRAM RAMP, EDGE STRIP: 25MPA @ 28 DAYS
B) DISH CROSSING, ROAD PLATFORM/HUMP, ROAD SLAB: 40MPA @ 28 DAYS
C) FOR TRAFFICKED AREAS WHERE FACILITY MUST BE OPEN TO TRAFFIC WITHIN 12 HOURS (EG VEHICLE CROSSING, ROAD SLAB, DISH CROSSING, ROAD PLATFORM/HUMP: 40 MPA WITH ACCELERATOR SUCH AS 2% CACL (REFER TO SP40HC).

2. CONCRETE FINISH

A) KERB, GUTTER, LAYBACK, DISH CROSSING, PIT (OUTER EXPOSED) – STEEL TROWEL
B) VEHICLE CROSSINGS, FOOTPATH, CYCLEWAY, ROAD SLABS, PRAM RAMP, ROAD HUMPS/RAMPS – BROOM/BRUSH.

3. REINFORCEMENT

A) TO AS 4671
B) MINIMUM COVER: 50MM

4. JOINTING, MINIMUM DIMENSIONS, AND REINFORCEMENT IN CONCRETE SLABS

A) ANY RECONSTRUCTED SECTION OF CONCRETE SHALL HAVE A MINIMUM DIMENSION OF 900MM IN ANY DIRECTION.
B) ALL JOINTS SHALL BE AT RIGHT ANGLES UNLESS DIRECTED OTHERWISE BY THE COUNCIL ENGINEER.
C) EXPANSION JOINTS WILL BE ALIGNED WITH ADJOINING FOOTPARH/ROAD JOINTS.
D) EXPANSION JOINTS (REINFORCED CONCRETE, IE DISH CROSSINGS & LAYBACKS): 10MM APPROVED BITUMEN FILLER AT MAXIMUM 12M INTERVALS, WITH 12MM DIA DEFORMED HOT DIPPED GALVANISED DOWELS, 600MM LONG, AT 500MM CENTRES WITH UPVC SLEEVE AND LEG – MINIMUM 2 DOWELS/JOINT, WITH NO DOWEL CLOSER THAN 150MM TO A VERTICAL EDGE. 'CONNELLY' JOINTS OR EQUIVALENT MAY BE USED.
E) ALL DOWELS SHALL BE PERFECTLY ALIGNED IN PLAN VIEW AND IN ELEVATION, IE THE DOWELS SHALL NOT BE SPLAYED RELEVANT TO EACH OTHER.
F) ALL EXPANSION JOINT MATERIAL SHALL BE THE SAME THICKNESS OF THE CONCRETE AND BE IN ONE LENGTH & WIDTH.
G) AT ALL EXPANSION JOINTS, ANY 'SPILL' CONCRETE FROM THE PREVIOUS POUR (IE SEPARATE TO THE FINISHED CONCRETE) SHALL BE REMOVED.
H) CONTRACTION/DUMMY JOINTS (UNREINFORCED CONCRETE) – NOMINALLY AT 3M INTERVALS OR EQUALLY BETWEEN EXPANSION JOINTS BUT NOT LESS THAN THE CONCRETE WIDTH BETWEEN JOINTS/EDGES.

5. KERB RAMPS

A) SEE STANDARD PLAN F4.

6. EXCAVATION

D) AT ALL JOINS TO EXISTING CONCRETE/ASPHALT – THE JOIN SHALL BE SAW CUT BEFORE EXCAVATION.
E) ALL EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT A LICENSED WASTE DISPOSAL FACILITY.

7. ROAD BASE

A) ROAD BASE SHALL BE PROVIDED BENEATH KERBS, GUTTERS, APRONS AND DISH CROSSINGS WITH 150MM THICK RECYCLED COMPACTED DGB20 OR 150mm THICK LEAN MIX CONCRETE.
B) COMPACTION: 95% STANDARD.
C) RECYCLED DGB SPECIFICATION: FOR SUPPLY OF RECYCLED MATERIAL FOR PAVEMENTS, EARTHWORKS, AND DRAINAGE REFER TO SPECIFICATION FOR SUPPLY OF RECYCLED MATERIAL FOR PAVEMENTS, EARTHWORKS AND DRAINAGE' BY IPWEA (NSW) (LATEST EDITION).

8. RESTORATION OF ADJOINING ROAD PAVEMENT

A) SHALL MATCH EXISTING IF APPROVED BY COUNCIL ENGINEER OR BE CARRIED OUT WITH FULL DEPTH AC20 AND AC10, WITH THE SURFACE FINISH BEING WITH AC10 (MINIMUM THICKNESS 30MM).
B) AC SHALL CONFORM TO RMS SPECIFICATION R116 – 'ASPHALT (DENSE AND OPEN GRADED)'.

9. UTILITIES, SERVICES & SURVEY MARKS

A) ALL UNDERGROUND UTILITY SERVICES SHALL BE CHECKED FOR LEVEL AND LOCATION PRIOR TO COMMENCEMENT OF WORKS, BY THE CONTRACTOR.
B) ALL SERVICE COVERS AFFECTED BY THE WORKS SHALL BE ADJUSTED AS REQUIRED AND TO SUIT THE LEVELS OF THE NEW WORK. NO SERVICE FITTINGS SHALL BE COVERED.
C) PROPERTY STORMWATER PIPES: WHERE AFFECTED, SHALL BE REPLACED WITH 90MM UPVC OR TO SUIT EXISTING AND INVERT SHALL MATCH THE GUTTER LEVEL.
D) STATE SURVEY MARKS (SSM'S) – SHALL NOT BE DISTURBED UNLESS APPROVED BY THE COUNCIL ENGINEER.
E) AT ALL LIGHT/POWER POLES, THE CONCRETE SHALL BE ENDED 150MM CLEAR OF THE POLE AND THE GAP FILLED WITH 30MM OF 10MM COLDMIX/ASPHALTIC CONCRETE.

10. NATURE STRIP RESTORATION

A) MATCH EXISTING TURF.
B) IF NEW TURF IS SPECIFIED – USE SOFT LEAF BUFFALO 'SHADEMASTER', LAID ON 100MM THICK PREPARED TOPSOIL, AS SPECIFIED BY THE COUNCIL ENGINEER.

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A) SUCH SIGNAGE SHALL BE REINSTATED UNLESS THE COUNCIL ENGINEER ADVISES OTHERWISE.
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C) HERITAGE STREET NAME SIGNS EMBEDDED IN FOOTPATH PAVING AND KERBS – CAUTION SHALL BE EXERCISED TO NOT DAMAGE THESE SIGNS AND THE CONTRACTOR SHALL LIAISE WITH THE COUNCIL ENGINEER TO DETERMINE WHAT ACTION TO IMPLEMENT WHERE DISTURBANCE OF THE SIGN IS ESSENTIAL.

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C) AT DRIVEWAYS – PREVENTION OF ACCESS SHALL BE KEPT TO AN ABSOLUTE MINIMUM AND ARRANGEMENTS SHALL BE MADE WITH THE RESIDENT/BUSINESS, BY THE CONTRACTOR, FOR A SUITABLE DAY/TIME FOR THIS WORK. USE OF HIGHER STRENGTH CONCRETE, WITH SHORTER CURING TIME MAY BE NECESSARY.

14. DIMENSIONS

A) ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SHOWN OTHERWISE.

15. GENERAL

A) ALL WORKS SHALL BE CARRIED OUT TO COUNCIL'S SPECIFICATION, TO BEST PRACTICE STANDARDS, AND TO THE SATISFACTION OF COUNCIL'S SUPERVISING ENGINEER.
B) DURING AND AFTER EXCAVATION, ANY UNSOUND AREAS BELOW THE CONCRETE WORK SHALL BE DRAWN TO THE COUNCIL ENGINEER'S ATTENTION, TO ESTABLISH IF ANY ADDITIONAL EXCAVATION/ BASE COURSE IS NECESSARY.
C) THE WORK SITE SHALL BE KEPT IN A CLEAN, TIDY, AND SAFE CONDITION AT ALL TIMES AND TO THE SATISFACTION OF COUNCIL'S ENGINEER.

16. DOCUMENT PRIORITY

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INSPECTIONS BY THE COUNCIL SUPERVISING ENGINEER SHALL BE REQUIRED AT THE FOLLOWING STAGES AND AS OTHERWISE DIRECTED BY THE COUNCIL ENGINEER:–

A) EXCAVATION COMPLETED,
B) DGB PLACES AND COMPACTED.
C) FORMWORK AND REINFORCEMENT SET.
D) CONCRETE POURED AND CURED.
E) COMPLETED.

Stantec

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207 Pacific Highway
St Leonards, NSW 2065
Tel: +61 2 8484 7000

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2. Given the D&C nature of this project, the contractor must inspect the existing site to familiarise with the site, understanding the scope of the proposed services and the complexities surrounding its installation, extent of existing services and the demolition scope and importantly, to ascertain any latent conditions that could hinder services design and installation. Site inspection must be carried out prior to signing of contract. No variations will be allowed whatsoever resulting from the lack of site knowledge on the part of the D&C contractor. Any variations resulting from the lack of site knowledge will be the sole responsibility of the D&C contractor.

E	RE-ISSUE FOR S.456 APPROVAL	LPT	MDR	2023.05.26
D	ISSUE FOR S4.56 APPROVAL	LPT	MDR	2023.05.19
C	DRAFT ISSUED FOR S4.56 APPROVAL	LPT	MDR	2023.05.12
B	ISSUED FOR DA APPROVAL	JBC	RET	2022.07.06
A	DRAFT DA ISSUED FOR REVIEW	JBC	RET	2022.07.01
Issued/Revision		By	Appd	YYYY.MM.DD
File Name: 301350227-CI-DA-406-01.DWG		CPO	MDR	RET	2022.07.01
		Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Issue Status

APPROVAL

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Client/Project Logo

home cox

Client/Project
HOME

PRECINCT 75

Title
SITEWORKS DETAILS
SHEET 1

Project No.
301350227

Scale
AS SHOWN

Revision
E

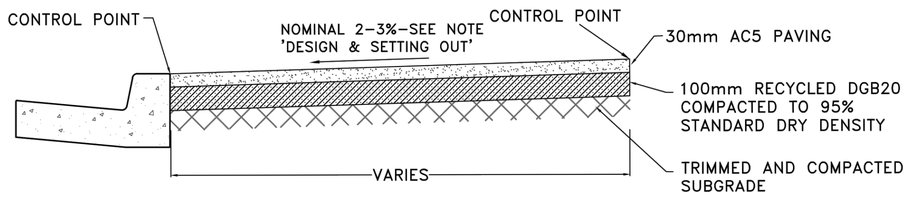
Drawing No.
CI-DA-406-01

Plotted: 26/07/2023 4:26:30 PM By: DAE RAINDE, MELISSA
U:\301\350227\PROJECT DOCUMENTATION\CIVIL\DRAWINGS & DESIGN\SHEET\STD DA SHEMDSON

1:## ### 0 ### ### ### ### # A1
1:## A3

ORIGINAL SHEET - ISO A1 COORD - MGA/P4-Zone 56 DATUM - mAHD

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025



TYPICAL ASPHALT CONCRETE FOOTPATH SECTION
NOT TO SCALE

FOOTPATH NOTES 4:

1. ASPHALT
- A) ALL AC TO RMS QA SPECIFICATIONS R116, AS 2734 INCLUDING TABLE 3.3 AND AS 2758.5, BUT ANY REQUIREMENTS/SPECIFICS ON THIS PLAN TAKE PRIORITY.
- B) BITUMEN CLASS: 320
- C) MAY USE RAP IN MIX – 10% BY VOLUME.

2. KERB RAMPS
- A) SEE STANDARD PLAN F4.

3. ROAD BASE
- A) COMPACTION: 95% STANDARD.
- B) RECYCLED DGB SPECIFICATION: FOR SUPPLY OF RECYCLED MATERIAL FOR PAVEMENTS, EARTHWORKS, AND DRAINAGE REFER TO SPECIFICATION FOR SUPPLY OF RECYCLED MATERIAL FOR PAVEMENTS, EARTHWORKS AND DRAINAGE' BY IPWEA (NSW) (LATEST EDITION).

4. EXCAVATION
- A) AT ALL JOINS TO EXISTING CONCRETE/ASPHALT – THE JOIN SHALL BE SAW CUT BEFORE EXCAVATION.
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- A) ALL UNDERGROUND UTILITY SERVICES SHALL BE CHECKED FOR LEVEL AND LOCATION PRIOR TO COMMENCEMENT OF WORKS, BY THE CONTRACTOR.
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- A) EXCAVATION COMPLETED.
- B) ROAD BASE PLACED AND COMPACTED.
- C) ASPHALTIC CONCRETE PLACE & COMPACTED.
- D) COMPLETED.

14. DESIGN & SETTING OUT
- A) SETTING OUT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR EXCEPT WHERE A SURVEYED ALIGNMENT OR DETAILED LEVELS ARE PROVIDED BY THE COUNCIL, IN WHICH CASE THE COUNCIL SHALL BE RESPONSIBLE TO PROVIDE THE REQUIRED DETAILS TO THE CONTRACTOR, IE DISTANCES IN ALL DIMENSIONS FROM FIXED POINTS.
  THE CONTRACTOR MAY NEED TO SAVE THESE 'FIXED POINTS' DURING EXCAVATION, BY TRANSFERRING THEM ELSEWHERE USING A MEASURING TAPE AND SPIRIT/LASER LEVEL.
  IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACHIEVE THE DESIGN ALIGNMENT AND LEVEL AS PER THE COUNCIL PROVIDED DETAILS.
- B) WHERE NO DESIGN LEVELS ARE ISSUED (MOST CASES), THE CONTRACTOR SHALL AIM TO HAVE THE COMPLETED WORK ATTAIN A REASONABLY SMOOTH LONGITUDINAL PROFILE, AND FOR FOOTPATH WORKS A REASONABLY UNIFORM FOOTPATH CROSSFALL OF 2% (MAXIMUM 4%), UNLESS DIRECTED OTHERWISE BY THE COUNCIL SUPERVISOR.
  DUE COGNIZANCE SHALL BE GIVEN TO THE EXISTING PROPERTY LEVELS, PARTICULARLY PATHS AND FLOORS – THIS OFTEN LEADS TO A VARYING OF THE CROSSFALL AND/OR LEVEL OF THE NEW KERB/GUTTER/FOOTPATH.
  WHEN THE SITE CREATES DIFFICULTY IN ACHIEVING THE ABOVE, THE CONTRACTOR SHALL LIAISE WITH THE SUPERINTENDENT AND WORK TOGETHER, CO–OPERATIVELY, TO ACHIEVE A REASONABLE OUTCOME.

NOTE:
WHERE NEW TREES ARE INSTALLED – PROVIDE TREE ROOT BARRIER SURE GRO TYPE RB600H OR SIMILAR APPROVED TO MANUFACTURERS SPECIFICATION.

(ORIGINAL = A3 SHEET)

CHECKED & APPROVED	SURVEYED & DRAFTED	QUANTITIES	SERVICES AFFECTED	S.R.A. / SURV. GEN.		SERVICES		DATUM			
				R.T.A.		TELECOM/OPTUS —T—T—T—T—		A. H. D.			
APPROVED FOR CONSTRUCTION	DESIGNED PG/DJT MAY 2019	INNER WEST COUNCIL		A.G.L. / SHELL PIPELINES		GAS —G—G—G—G—		SCALES			
	DRAWN PG/DJT MAY 2019			SYDNEY WATER		SEWER —S—S—S—S—		NTS			
				TELSTRA / OPTUS		WATER —W—W—W—W—					
				SYDNEY ELECTRICITY		RAILWAY —R—R—R—R—					
				NOTICE OF ENTRY		ELEC. CABLES —E—E—E—E—					
				KERB & GUTTER		OIL PIPELINES —P—P—P—P—					
				NOTICES	DATE	STORM WATER —SW—SW—SW—			AMEND	DATE	DESCRIPTION

APPROV.	INNER WEST COUNCIL	FILE NO.	SHEET NO.
	STANDARD FOOTPATH DRAWING – F9	PLAN NO.	F9
	ASPHALTIC CONCRETE PAVED FOOTPATH	VERSION	V1

1:## ### 0 ### ### ### ### # A1
1:## A3

ORIGINAL SHEET - ISO A1 COORD - MGA/94-Zone 56 DATUM - mAHD

Plotted: 26/05/2023 4:56:49 PM By: DAILY NONE, MEGEA
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Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

Stantec

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Tel: +61 2 8484 7000

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Issued/Revision		By	Appd	YYYY.MM.DD

File Name: 301350227-CI-DA-406-01.DWG	CPO	MDR	RET	2022.07.01
	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

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HOME

PRECINCT 75

Title
SITEWORKS DETAILS
SHEET 2

Project No.
301350227

Scale
AS SHOWN

Revision
E

Drawing No.
CI-DA-406-02

ROAD NOTES 3:

1. CONCRETE STRENGTH
- A) KERB, KERB & GUTTER, FOOTPATH, CYCLEWAY, VEHICLE CROSSING, PRAM RAMP, EDGE STRIP: 25MPA @ 28 DAYS
- B) DISH CROSSING, ROAD PLATFORM/HUMP, ROAD SLAB: 40MPA @ 28 DAYS
- C) FOR TRAFFICKED AREAS WHERE FACILITY MUST BE OPEN TO TRAFFIC WITHIN 12 HOURS (EG VEHICLE CROSSING, ROAD SLAB, DISH CROSSING, ROAD PLATFORM/HUMP: 40 MPA WITH ACCELERATOR SUCH AS 2% CACL (REFER TO SP40HC).

2. CONCRETE FINISH
- A) KERB, GUTTER, LAYBACK, DISH CROSSING, PIT (OUTER EXPOSED) – STEEL TROWEL
- B) VEHICLE CROSSINGS, FOOTPATH, CYCLEWAY, ROAD SLABS, PRAM RAMP, ROAD HUMPS/RAMPS – BROOM/BRUSH.

3. REINFORCEMENT
- A) TO AS 4671
- B) MINIMUM COVER: 50MM

4. JOINTING, MINIMUM DIMENSIONS, AND REINFORCEMENT AT PITS IN CONCRETE ROAD SLABS
- A) ANY RECONSTRUCTED SECTION OF CONCRETE SHALL HAVE A MINIMUM DIMENSION OF 900MM IN ANY DIRECTION.
- B) ALL JOINTS SHALL BE AT RIGHT ANGLES UNLESS DIRECTED OTHERWISE BY THE COUNCIL ENGINEER.
- C) EXPANSION JOINTS FULL DEPTH MASTIC EXPANSION JOINTS SHALL BE PROVIDED EVERY 50M (MAX).
- D) ALL DOWELS SHALL BE PERFECTLY ALIGNED IN PLAN VIEW AND IN ELEVATION, IE THE DOWELS SHALL NOT BE SPLAYED RELEVANT TO EACH OTHER.
- E) ALL EXPANSION JOINT MATERIAL SHALL BE THE SAME THICKNESS OF THE CONCRETE AND BE IN ONE LENGTH & WIDTH.
- F) AT ALL EXPANSION JOINTS, ANY 'SPILL' CONCRETE FROM THE PREVIOUS POUR (IE SEPARATE TO THE FINISHED CONCRETE) SHALL BE REMOVED.
- G) CONTRACTION/DUMMY JOINTS – NOMINALLY AT 15M INTERVALS (EQUALLY BETWEEN EXPANSION JOINTS).

6. EXCAVATION
- A) AT ALL JOINS TO EXISTING CONCRETE/ASPHALT – THE JOIN SHALL BE SAW CUT BEFORE EXCAVATION.
- B) ALL EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT A LICENSED WASTE DISPOSAL FACILITY.

7. ROAD BASE
- A) COMPACTION: 95% STANDARD.
- B) RECYCLED DGB SPECIFICATION: FOR SUPPLY OF RECYCLED MATERIAL FOR PAVEMENTS, EARTHWORKS, AND DRAINAGE REFER TO SPECIFICATION FOR SUPPLY OF RECYCLED MATERIAL FOR PAVEMENTS, EARTHWORKS AND DRAINAGE' BY IPWEA (NSW) (LATEST EDITION).

8. RESTORATION OF ADJOINING ROAD PAVEMENT
- A) SHALL MATCH EXISTING IF APPROVED BY COUNCIL ENGINEER OR BE CARRIED OUT WITH FULL DEPTH AC20 AND AC10, WITH THE SURFACE FINISH BEING WITH AC10 (MINIMUM THICKNESS 30MM).
- B) AC SHALL CONFORM TO RMS SPECIFICATION R116 – 'ASPHALT (DENSE AND OPEN GRADED)'.

9. UTILITIES, SERVICES & SURVEY MARKS
- A) ALL UNDERGROUND UTILITY SERVICES SHALL BE CHECKED FOR LEVEL AND LOCATION PRIOR TO COMMENCEMENT OF WORKS, BY THE CONTRACTOR.
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- D) STATE SURVEY MARKS (SSM'S) – SHALL NOT BE DISTURBED UNLESS APPROVED BY THE COUNCIL ENGINEER.
- E) AT ALL LIGHT/POWER POLES, THE CONCRETE SHALL BE ENDED 150MM CLEAR OF THE POLE AND THE GAP FILLED WITH 30MM OF 10MM COLDMIX/ASPHALTIC CONCRETE.

10. NATURE STRIP RESTORATION
- A) MATCH EXISTING TURF.
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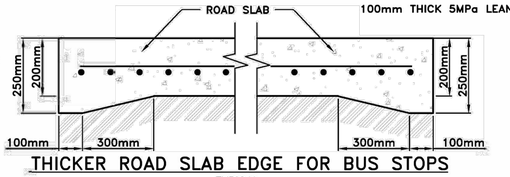
- B) FORMWORK AND REINFORCEMENT SET.
- C) CONCRETE POURED AND CURED.
- D) COMPLETED.

NOTE: FOR TRANSVERSE JOINTS ONLY – CONTRACTION JOINTS SHALL BE PROVIDED EVERY 15M FOR 200 THICK SLAB. JOINT SPACING CAN BE INCREASED TO 20M IN SPECIAL CIRCUMSTANCES.

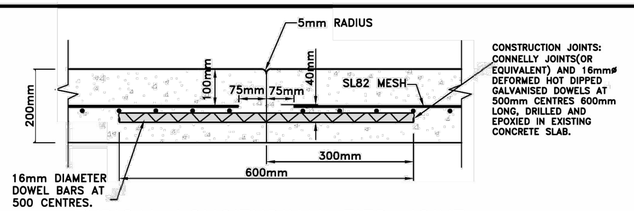
CONSTRUCTION PROCESS
(FOR CONCRETE ROADS WITH AC OVERLAY)

1. REMOVE EXISTING ASPHALT OVERLAY TO EXPOSE THE UNDERLYING CONCRETE SURFACE.
2. SHOULD CONCRETE SLABS REQUIRE REPLACEMENT, FIRST CONSULT COORDINATOR CIVIL DESIGN & INVESTIGATIONS. THEN, REMOVE FAILED CONCRETE SLABS, REMOVE SUBGRADE TO A DEPTH OF 100–150mm, POUR 5 MPa LEAN MIX CONCRETE SUB–BASE PAVEMENT LAYER. POUR 200mm THICK, 40 MPa CONCRETE PAVEMENT ON TOP OF THE LEAN MIX SUB BASE WITH A SINGLE LAYER OF SL82 MESH PLACED AT MID DEPTH. CONCRETE SLABS SHALL BE DOWELLED TO SURROUNDING SLABS @500 CTS. (REFER TO TYPICAL CONTRACTION JOINT). (NOTE: DOWEL SPACING MAY VARY FROM A MAXIMUM OF 600mm TO A MINIMUM OF 300mm, BUT MUST BE UNIFORM). FINISHED CONCRETE PAVEMENT SHALL MATCH ADJOINING PAVEMENT LEVELS FOR BOTH CROSSFALL & LONGITUDINAL GRADE. REFER TO THE TYPICAL SECTION FOR JOINT DETAIL SHOWN.IN HIGHLY TRAFFICKED AREAS, USE 40MPa CONCRETE WITH ACCELERATOR (IN LIEU OF 40MPa CONCRETE) FOR CONCRETE BASE.
3. CLEAN ALL CRACKS & JOINTS IN CONCRETE SLAB WITH COMPRESSED AIR TO REMOVE ALL DIRT, WATER, GREASE & LOOSE MATERIALS.
4. FILL ALL CRACKS & JOINTS < 10mm WITH HOT BITUMEN CRACK OR JOINT SEALANT. SCREED OFF & FLATTEN EXCESS SEALANT.
5. CRACKS LARGER THAN 10mm SHALL BE FILLED WITH "PAVEFIX" OR EQUIVALENT FILLER MATERIAL.
6. JOINTS LARGER THAN 10MM, SEEK ADVICE FROM COORDINATOR CIVIL DESIGN & INVESTIGATIONS PRIOR TO PROCEEDING.
7. PLACE "BITUTHENE 5300" HIGHWAY STRIPS OVER ALL JOINTS FOR THEIR FULL LENGTH IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS. ALL AREAS TO RECEIVE BITUTHENE STRIPS SHALL BE PRIMED. THE RATE OF APPLICATION OF PRIMER SHALL BE 5 Sq.M./LITRE & AREA OF PRIMING SHALL EXCEED THE WIDTH OF BITUTHENE STRIP BY 50mm ON BOTH SIDES.
8. RESURFACE WITH ASPHALTIC CONCRETE (AC10 POLYMER MODIFIED WITH A15E BINDER) TO THE REQUIRED THICKNESS TO OBTAIN THE FINAL SURFACE LEVEL. THE MINIMUM THICKNESS OF THE AC 10 LAYER SHALL NOT BE LESS THAN 40MM.

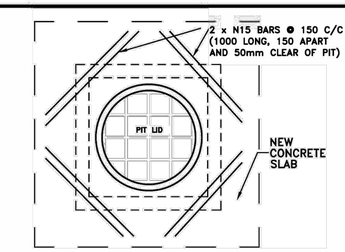


THICKER ROAD SLAB EDGE FOR BUS STOPS
TYPICAL
NOT TO SCALE

(ORIGINAL = A3 SHEET)

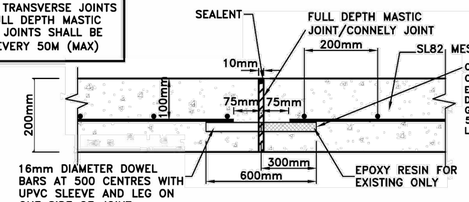


TYPICAL LONGITUDINAL TIED JOINT TIED & FORMED (L.T.J.)
(FOR NEW TO NEW & NEW TO OLD SLABS)
NOT TO SCALE

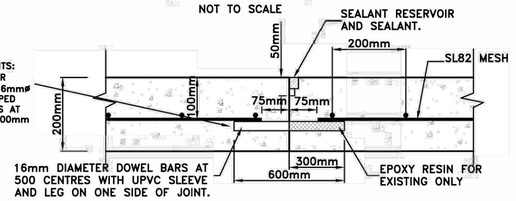


TYPICAL REINFORCEMENT AROUND UTILITY PITS
NOT TO SCALE

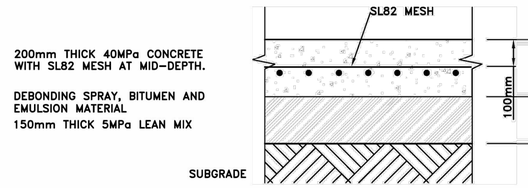
NOTE: FOR TRANSVERSE JOINTS ONLY – FULL DEPTH MASTIC EXPANSION JOINTS SHALL BE PROVIDED EVERY 50M (MAX)



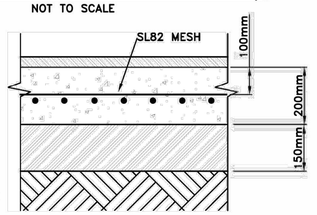
TYPICAL EXPANSION JOINT SAWN & DOWELLED (T.E.J.)
(FOR NEW TO NEW & NEW TO OLD SLABS)
NOT TO SCALE



TYPICAL TRANSVERSE CONTRACTION JOINT SAWN & DOWELLED (T.C.J.)
(FOR NEW TO NEW & NEW TO OLD SLABS)
NOT TO SCALE

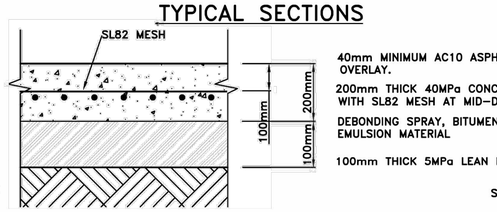


CONCRETE SURFACE
NOT TO SCALE

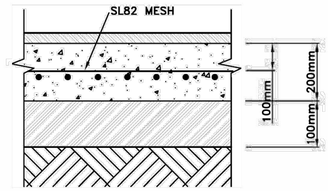


ASPHALT OVERLAY
NOT TO SCALE

CONCRETE SLAB REPLACEMENT–DETAIL 1 (MEDIUM TO HIGH TRAFFIC VOLUMES)
TYPICAL SECTIONS



CONCRETE SURFACE
NOT TO SCALE



ASPHALT OVERLAY
NOT TO SCALE

CONCRETE SLAB REPLACEMENT–DETAIL 2 (LOW TRAFFIC VOLUMES)
TYPICAL SECTIONS

CHECKED & APPROVED	SURVEYED & DRAFTED	QUANTITIES	SERVICES AFFECTED
APPROVED FOR CONSTRUCTION	DESIGNED PG/DJT MAY 2019	INNER WEST COUNCIL	
	DRAWN PG/DJT MAY 2019		

S.R.A. / SURV. GEN.	
R.T.A.	
A.G.L. / SHELL PIPELINES	
SYDNEY WATER	
TELSTRA / OPTUS	
SYDNEY ELECTRICITY	
NOTICE OF ENTRY	
KERB & GUTTER	
NOTICES	DATE

SERVICES: TELECOM/OPTUS, GAS, SEWER, WATER, RAILWAY, ELEC. CABLES, OIL PIPELINES, STORM WATER

DATUM: A. H. D.
SCALES: NTS

AMEND	DATE	DESCRIPTION	APPROV.

INNER WEST COUNCIL
STANDARD ROAD DRAWING – R2
CONCRETE ROAD SLAB REPLACEMENT WORK
TYPICAL DETAILS AND SECTIONS

FILE NO. | SHEET NO.
PLAN NO. R2
VERSION V1

1:## ### 0 ### ### ### ### # A1
1:## A3

ORIGINAL SHEET - ISO A1 COORD - MGA/94-Zone 56 DATUM - mAHD

Plotted: 26/05/2023 4:37:07 PM By: DAZ RUNDE, MELBSA
J:\301350227\PROJECT DOCUMENTATION\CIVIL\DRAWINGS & SKETCH\SHEET\DA SUBMISSION

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

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Notes
1. Stantec's role on this project is to produce D&C engineering services design, fit for pricing purposes and our agreement does not include an allowance for the builder's, or developers, commercial risks on the project. Under this D&C contract, each service contractor and head principal contractor shall understand that the documentation is not complete and they shall make due consideration of risks and make their own judgement on the completeness of documents at the time of pricing. It is likely that additional costs will arise as the design and documentation phase is completed by the head contractor and associated sub-contractors, as part of the design finalisation stage. This is characteristic of the D&C process. The builder principal contractor and service sub-contractor must allow suitable cost contingencies considering the progress and completeness of the documentation at the time of pricing. Stantec is not liable for any cost increase due to initial pricing being based on documentation that is not fully comprehensive. The service contractor's price shall allow sufficient contingency to cover the risk due the nature of the documentation being a D&C package.

2. Given the D&C nature of this project, the contractor must inspect the existing site to familiarise with the site, understanding the scope of the proposed services and the complexities surrounding its installation, extent of existing services and the demolition scope and importantly, to ascertain any latent conditions that could hinder services design and installation. Site inspection must be carried out prior to signing of contract. No variations will be allowed whatsoever resulting from the lack of site knowledge on the part of the D&C contractor. Any variations resulting from the lack of site knowledge will be the sole responsibility of the D&C contractor.

E	RE-ISSUE FOR S.456 APPROVAL	LPT	MDR	2023.05.26
D	ISSUE FOR S4.56 APPROVAL	LPT	MDR	2023.05.19
C	DRAFT ISSUED FOR S4.56 APPROVAL	LPT	MDR	2023.05.12
B	ISSUED FOR DA APPROVAL	JBC	RET	2022.07.06
A	DRAFT DA ISSUED FOR REVIEW	JBC	RET	2022.07.01
Issued/Revision		By	Appd	YYYY.MM.DD

File Name: 301350227-CI-DA-406-01.DWG	CPO	MDR	RET	2022.07.01
	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Issue Status

APPROVAL
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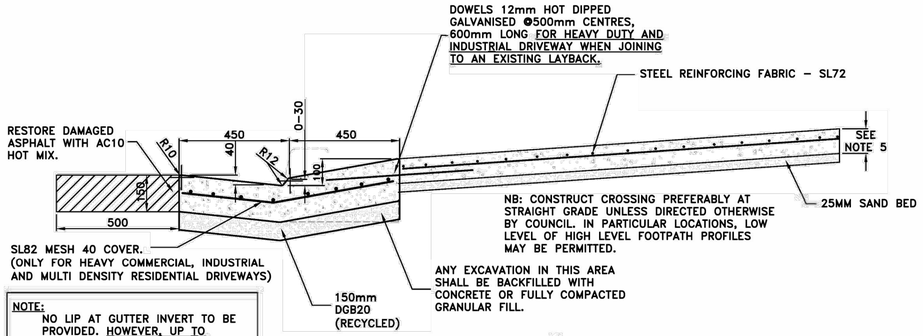
home cox

Client/Project
HOME

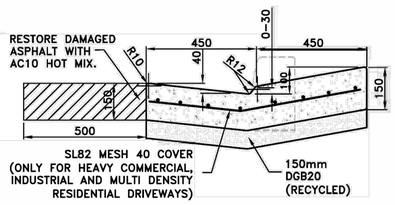
PRECINCT 75

Title
SITEWORKS DETAILS
SHEET 3

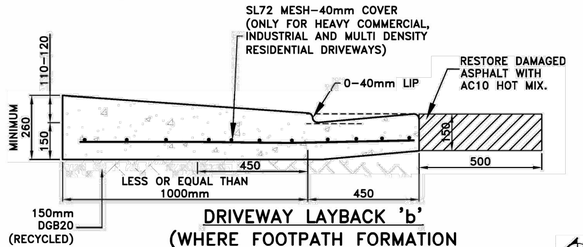
Project No. 301350227
Scale AS SHOWN
Revision E
Drawing No. **CI-DA-406-03**



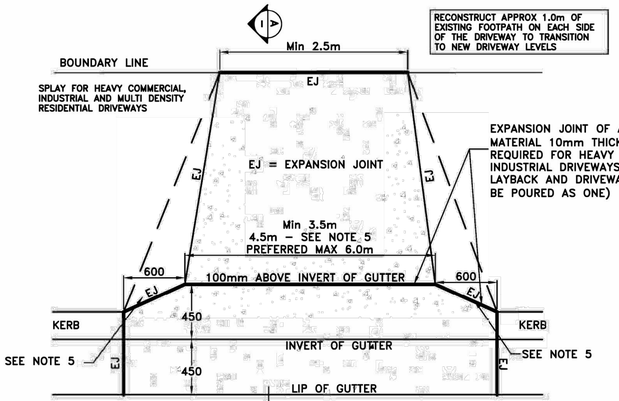
SECTION A
SCALE 1:20



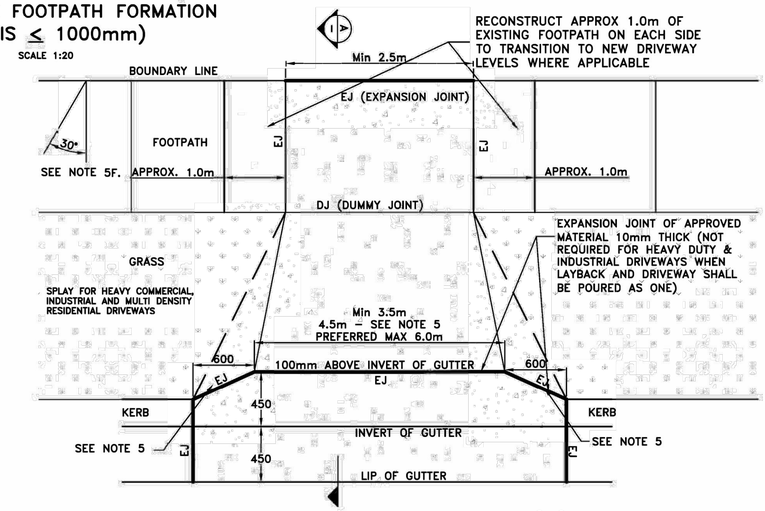
DRIVEWAY LAYBACK–'a'
(WHERE FOOTPATH FORMATION IS GREATER THAN 1000mm)
SCALE 1:20



DRIVEWAY LAYBACK 'b'
(WHERE FOOTPATH FORMATION IS ≤ 1000mm)
SCALE 1:20



DRIVEWAY SPECIFICATION–'A' (FULLY PAVED FOOTPATH)
(ORIGINAL = A3 SHEET) NOT TO SCALE



DRIVEWAY SPECIFICATION–'B'
WITH GRASS VERGE
NOT TO SCALE

ROAD NOTES 2:

1. CONCRETE STRENGTH
- A) KERB, KERB & GUTTER, FOOTPATH, CYCLEWAY, VEHICLE CROSSING, PRAM RAMP, EDGE STRIP: 25MPA @ 28 DAYS
- B) FOR TRAFFICKED AREAS WHERE FACILITY MUST BE OPEN TO TRAFFIC WITHIN 12 HOURS (EG VEHICLE CROSSING, ROAD SLAB, DISH CROSSING, ROAD PLATFORM/HUMP: 40 MPA WITH ACCELERATOR SUCH AS 2% CACL (REFER TO SP40HC).

2. CONCRETE FINISH
- A) KERB, GUTTER, LAYBACK, DISH CROSSING, PIT (OUTER EXPOSED) – STEEL TROWEL
- B) VEHICLE CROSSINGS, FOOTPATH, CYCLEWAY, ROAD SLABS, PRAM RAMP, ROAD HUMPS/RAMPS – BROOM/BRUSH.

3. REINFORCEMENT
- A) TO AS 4671
- B) MINIMUM COVER: 50MM

4. JOINTING, MINIMUM DIMENSIONS, AND REINFORCEMENT IN CONCRETE SLABS
- A) ANY RECONSTRUCTED SECTION OF CONCRETE SHALL HAVE A MINIMUM DIMENSION OF 900MM IN ANY DIRECTION.
- B) ALL JOINTS SHALL BE AT RIGHT ANGLES UNLESS DIRECTED OTHERWISE BY THE COUNCIL ENGINEER.
- C) EXPANSION JOINTS (UNREINFORCED CONCRETE): 10MM APPROVED BITUMEN FILLER AT MAXIMUM 10M INTERVALS.
- D) EXPANSION JOINTS (REINFORCED CONCRETE, IE DISH CROSSINGS & LAYBACKS): 10MM APPROVED BITUMEN FILLER, WITH, WHERE APPLICABLE, 12MM DIA DEFORMED HOT DIPPED GALVANISED DOWELS, 600MM LONG, AT 500MM CENTRES WITH UPVC SLEEVE AND LEG – MINIMUM 2 DOWELS/JOINT, WITH NO DOWEL CLOSER THAN 150MM TO A VERTICAL EDGE. 'CONNELLY' JOINTS OR EQUIVALENT MAY BE USED.
- E) ALL DOWELS SHALL BE PERFECTLY ALIGNED IN PLAN VIEW AND IN ELEVATION, IE THE DOWELS SHALL NOT BE SPLAYED RELEVANT TO EACH OTHER.
- F) ALL EXPANSION JOINT MATERIAL SHALL BE THE SAME THICKNESS OF THE CONCRETE AND BE IN ONE LENGTH & WIDTH.
- G) AT ALL EXPANSION JOINTS, ANY 'SPILL' CONCRETE FROM THE PREVIOUS POUR (IE SEPARATE TO THE FINISHED CONCRETE) SHALL BE REMOVED.
- H) CONTRACTION/DUMMY JOINTS (UNREINFORCED CONCRETE) – NOMINALLY AT 3M INTERVALS OR EQUALLY BETWEEN EXPANSION JOINTS BUT NOT LESS THAN THE CONCRETE WIDTH BETWEEN JOINTS/EDGES.

5. VEHICLE CROSSINGS
- A) CONCRETE THICKNESS, AND OTHER DETAILS:
- – RESIDENTIAL AND LIGHT COMMERCIAL – 150MM UNREINFORCED.
- – INDUSTRIAL, HEAVY COMMERCIAL AND MULTI–DENSITY RESIDENTIAL – 200MM REINFORCED (SL72), LAYBACK IS INTEGRAL WITH CROSSING (DOWEL IF POURED SEPARATELY). 900MM WIDE WINGS MAY BE REQUIRED IN TIGHT SITUATIONS WHERE VERY LARGE VEHICLES ARE USED – AS APPROVED BY THE COUNCIL ENGINEER.
- B) CONSTRUCT CROSSINGS PREFERABLY AT A STRAIGHT GRADE ACROSS THE FOOTPATH EXCEPT WHERE DIRECTED OTHERWISE BY THE COUNCIL ENGINEER (NOT OFTEN PRACTICAL AT RESIDENTIAL SITES).
- C) RECONSTRUCT FOOTPATH EACH SIDE TO MATCH CROSSING MINIMUM 1m OR TO THE NEXT JOINT, WHICHEVER IS GREATER.
- D) MATCH BOUNDARY LEVELS EXCEPT WHERE DIRECTED OTHERWISE BY THE COUNCIL ENGINEER.
- E) WIDTH OF LAYBACK – ON ROADS WHICH HAVE A MARKED TRAFFICKED KERBSIDE LANE AND/OR NARROW ROAD PAVEMENT (EG NORTON ST ASHFIELD), MINIMUM LAYBACK LENGTH SHALL BE 4.5M PLUS WINGS.
- F) ANGLED DRIVEWAYS MAY BE PERMITTED TO A MAXIMUM ANGLE OF 30 DEGREES FROM THE PROPERTY BOUNDARY TO THE KERB – AS APPROVED BY THE COUNCIL ENGINEER.

6. EXCAVATION
- A) AT ALL JOINS TO EXISTING CONCRETE/ASPHALT – THE JOIN SHALL BE SAW CUT BEFORE EXCAVATION.
- B) ALL EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT A LICENSED WASTE DISPOSAL FACILITY.

7. ROAD BASE
- A) COMPACTION: 95% STANDARD.
- B) RECYCLED DGB SPECIFICATION: FOR SUPPLY OF RECYCLED MATERIAL FOR PAVEMENTS, EARTHWORKS, AND DRAINAGE REFER TO SPECIFICATION FOR SUPPLY OF RECYCLED MATERIAL FOR PAVEMENTS, EARTHWORKS AND DRAINAGE" BY IPWEA (NSW) (LATEST EDITION).

8. RESTORATION OF ADJOINING ROAD PAVEMENT
- A) SHALL MATCH EXISTING IF APPROVED BY COUNCIL ENGINEER OR BE CARRIED OUT WITH FULL DEPTH AC20 AND AC10, WITH THE SURFACE FINISH BEING WITH AC10 (MINIMUM THICKNESS 30MM).
- B) AC SHALL CONFORM TO RMS SPECIFICATION R116 – 'ASPHALT (DENSE AND OPEN GRADED)'.

9. UTILITIES, SERVICES & SURVEY MARKS
- A) ALL UNDERGROUND UTILITY SERVICES SHALL BE CHECKED FOR LEVEL AND LOCATION PRIOR TO COMMENCEMENT OF WORKS, BY THE CONTRACTOR.
- B) ALL SERVICE COVERS AFFECTED BY THE WORKS SHALL BE ADJUSTED AS REQUIRED AND TO SUIT THE LEVELS OF THE NEW WORK. NO SERVICE FITTINGS SHALL BE COVERED.
- C) PROPERTY STORMWATER PIPES: WHERE AFFECTED, SHALL BE REPLACED WITH 90MM UPVC OR TO SUIT EXISTING AND INVERT SHALL MATCH THE GUTTER LEVEL.
- D) STATE SURVEY MARKS (SSM'S) – SHALL NOT BE DISTURBED UNLESS APPROVED BY THE COUNCIL ENGINEER.
- E) AT ALL LIGHT/POWER POLES, THE CONCRETE SHALL BE ENDED 150MM CLEAR OF THE POLE AND THE GAP FILLED WITH 30MM OF 10MM COLDMIX/ASPHALTIC CONCRETE.

10. NATURE STRIP RESTORATION
- A) MATCH EXISTING TURF.
- B) IF NEW TURF IS SPECIFIED – USE SOFT LEAF BUFFALO 'SHADEMASTER', LAID ON 100MM THICK PREPARED TOPSOIL, AS SPECIFIED BY THE COUNCIL ENGINEER.

11. EXISTING SIGNAGE
- A) SUCH SIGNAGE SHALL BE REINSTATED UNLESS THE COUNCIL ENGINEER ADVISES OTHERWISE.
- B) SIGNS REPLACED OR NEW, WITHIN THE NEW CONCRETE SHALL BE INSTALLED WITH A V–LOK.
- C) HERITAGE STREET NAME SIGNS EMBEDDED IN FOOTPATH PAVING AND KERBS – CAUTION SHALL BE EXERCISED TO NOT DAMAGE THESE SIGNS AND THE CONTRACTOR SHALL LIAISE WITH THE COUNCIL ENGINEER TO DETERMINE WHAT ACTION TO IMPLEMENT WHERE DISTURBANCE OF THE SIGN IS ESSENTIAL.

12. RESIDENT NOTIFICATION
- A) ALL RESIDENTS AFFECTED BY THE WORKS SHALL BE NOTIFIED AT LEAST 2 WORKING DAYS BEFORE THE RELEVANT WORK COMMENCES AND ANY REASONABLE REQUESTS ACCOMMODATED.

13. SAFETY/SIGNAGE/ACCESS
- A) DURING CONSTRUCTION, ADEQUATE WARNING SIGNS AND BARRICADING SHALL BE PROVIDED TO ENSURE THAT THE WORK SITE MEETS THE REQUIREMENTS OF AS 1742.2 & 1743.3, AND TO PROVIDE ADEQUATE PROTECTION TO PEDESTRIANS & MOTORISTS.
- B) ADEQUATE AND SAFE ACCESS FOR PEDESTRIANS SHALL BE PROVIDED AT ALL TIMES.
- C) AT DRIVEWAYS – PREVENTION OF ACCESS SHALL BE KEPT TO AN ABSOLUTE MINIMUM AND ARRANGEMENTS SHALL BE MADE WITH THE RESIDENT/BUSINESS, BY THE CONTRACTOR, FOR A SUITABLE DAY/TIME FOR THIS WORK. USE OF HIGHER STRENGTH CONCRETE, WITH SHORTER CURING TIME MAY BE NECESSARY.

14. DIMENSIONS
- A) ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SHOWN OTHERWISE.

15. GENERAL
- A) ALL WORKS SHALL BE CARRIED OUT TO COUNCIL'S SPECIFICATION, TO BEST PRACTICE STANDARDS, AND TO THE SATISFACTION OF COUNCIL'S SUPERVISING ENGINEER.
- B) DURING AND AFTER EXCAVATION, ANY UNSOUND AREAS BELOW THE CONCRETE WORK SHALL BE DRAWN TO THE COUNCIL ENGINEER'S ATTENTION, TO ESTABLISH IF ANY ADDITIONAL EXCAVATION/ BASE COURSE IS NECESSARY.
- C) THE WORK SITE SHALL BE KEPT IN A CLEAN, TIDY, AND SAFE CONDITION AT ALL TIMES AND TO THE SATISFACTION OF COUNCIL'S ENGINEER.

16. DOCUMENT PRIORITY
- A) THIS PLAN SUPERSEDES ANY STATEMENTS ON OTHER DOCUMENTS, EG SPECIFICATIONS, OTHER PLANS, ETC, UNLESS ADVISED BY THE COUNCIL ENGINEER.

17. INSPECTIONS

INSPECTIONS BY THE COUNCIL SUPERVISING ENGINEER SHALL BE REQUIRED AT THE FOLLOWING STAGES AND AS OTHERWISE DIRECTED BY THE COUNCIL ENGINEER:–
- A) EXCAVATION COMPLETED.
- B) DGB LAID AND COMPACTED (IF APPLICABLE),
- C) FORMWORK AND REINFORCEMENT SET.
- D) CONCRETE POURED AND CURED.
- E) COMPLETED.

CHECKED & APPROVED	SURVEYED & DRAFTED	QUANTITIES	SERVICES AFFECTED
APPROVED FOR CONSTRUCTION	DESIGNED PG/DJT MAY 2019	INNER WEST COUNCIL	
	DRAWN PG/DJT MAY 2019		

NOTICES	DATE
S.R.A. / SURV. GEN.	
R.T.A.	
A.G.L. / SHELL PIPELINES	
SYDNEY WATER	
TELSTRA / OPTUS	
SYDNEY ELECTRICITY	
NOTICE OF ENTRY	
KERB & GUTTER	

SERVICES: TELECOM/OPTUS —T—T—T—T— · GAS —G—G—G—G— · SEWER —S—S—S—S— · WATER —W—W—W—W— · RAILWAY —R—R—R—R— · ELEC. CABLES —E—E—E—E— · OIL PIPELINES —P—P—P—P— · STORM WATER —SW—SW—SW—

DATUM A. H. D.

SCALES AS SHOWN

AMEND	DATE	DESCRIPTION	APPROV.

INNER WEST COUNCIL
STANDARD ROADS DRAWING – R3
VEHICLE CROSSING & LAYBACK DETAILS

FILE NO. | SHEET NO.
PLAN NO. R3
VERSION V1

1:## ### 0 ### ### ### ### # A1
1:## A3

Plotted: 26/05/2023 4:37:34 PM By: DAVE RHODE, MELISSA
J:\301350227\PROJECT DOCUMENTATION\CIVIL\DRAWINGS & DESIGN SHEETS\DA SUBMISSION

ORIGINAL SHEET - ISO A1 COORD - MGA/94-Zone 56 DATUM - mAHD

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

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St Leonards, NSW 2065
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B	ISSUED FOR DA APPROVAL	JBC	RET	2022.07.06
A	DRAFT DA ISSUED FOR REVIEW	JBC	RET	2022.07.01
Issued/Revision		By	Appd	YYYY.MM.DD

File Name: 301350227-CI-DA-406-01.DWG	CPO	MDR	RET	2022.07.01
	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

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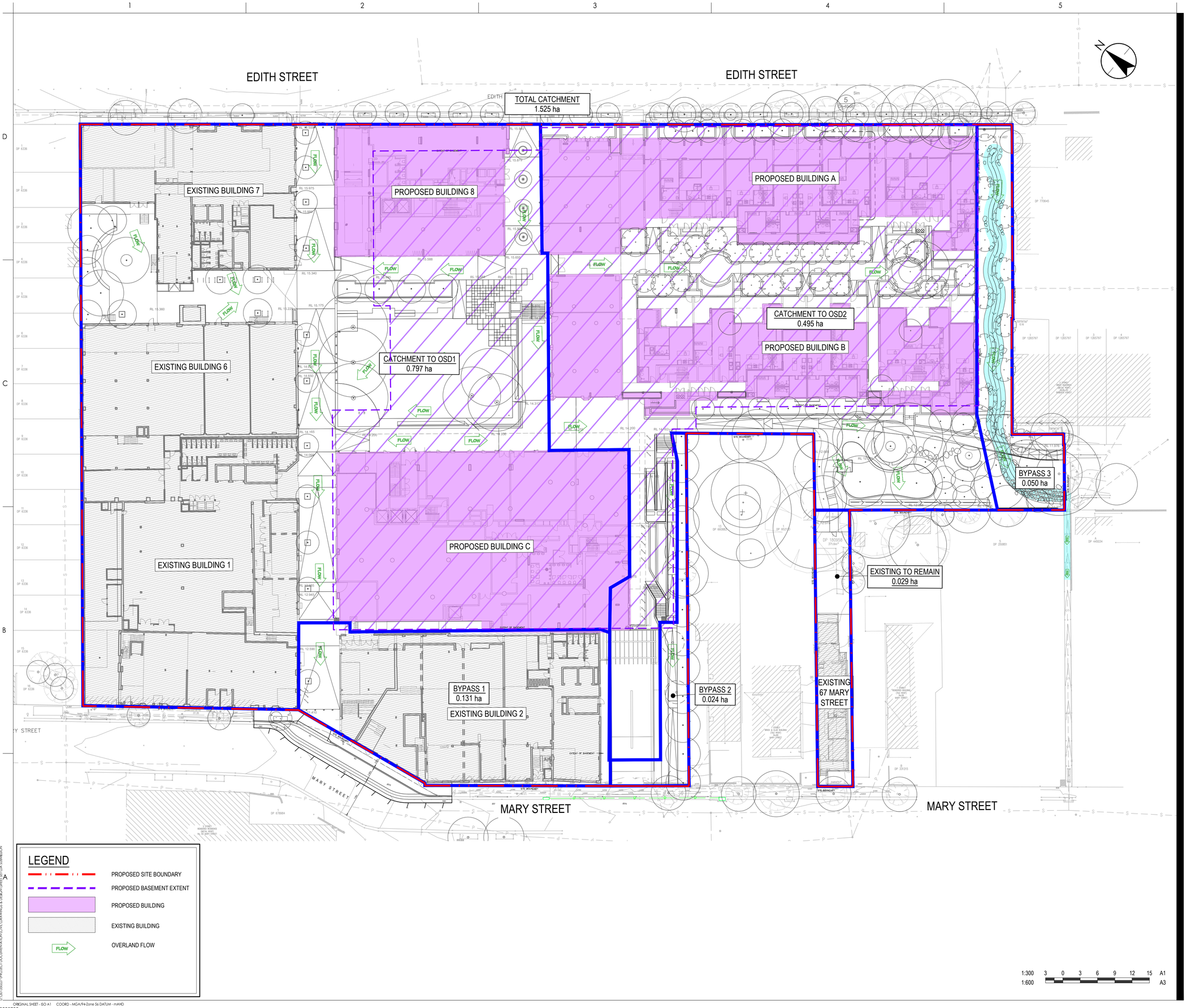
HOME

PRECINCT 75

Title
SITEWORKS DETAILS
SHEET 4

Project No. 301350227
Scale AS SHOWN
Revision E
Drawing No. CI-DA-406-04



1:300 3 0 3 6 9 12 15 A1
1:600 A3

ZONE 2 | ZONE 1 | ZONE 3 | ZONE 4

KEY PLAN

F	RE-ISSUE FOR S.456 APPROVAL	LPT	MDR	2023.05.26
E	ISSUE FOR S4.56 APPROVAL	LPT	MDR	2023.05.19
D	DRAFT ISSUED FOR S4.56 APPROVAL	LPT	MDR	2023.05.12
C	ISSUED FOR DA APPROVAL	LPT	MDR	2022.10.21
B	ISSUED FOR DA APPROVAL	JBC	RET	2022.07.06
A	DRAFT DA ISSUED FOR REVIEW	JBC	RET	2022.07.01
Issued/Revision		By	Appd	YYYY.MM.DD

File Name: 301350227-CI-DA-500-01.DWG		CPO	MDR	RET	2022.07.01
		Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Issue Status

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PRECINCT 75

Title
CATCHMENT PLAN

Project No.
301350227

Scale
1:300

Revision
F

Drawing No.
CI-DA-500-01

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Notes
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Plotted: 31/05/2023 4:45:39 PM By: DAE RANDE, MELISSA
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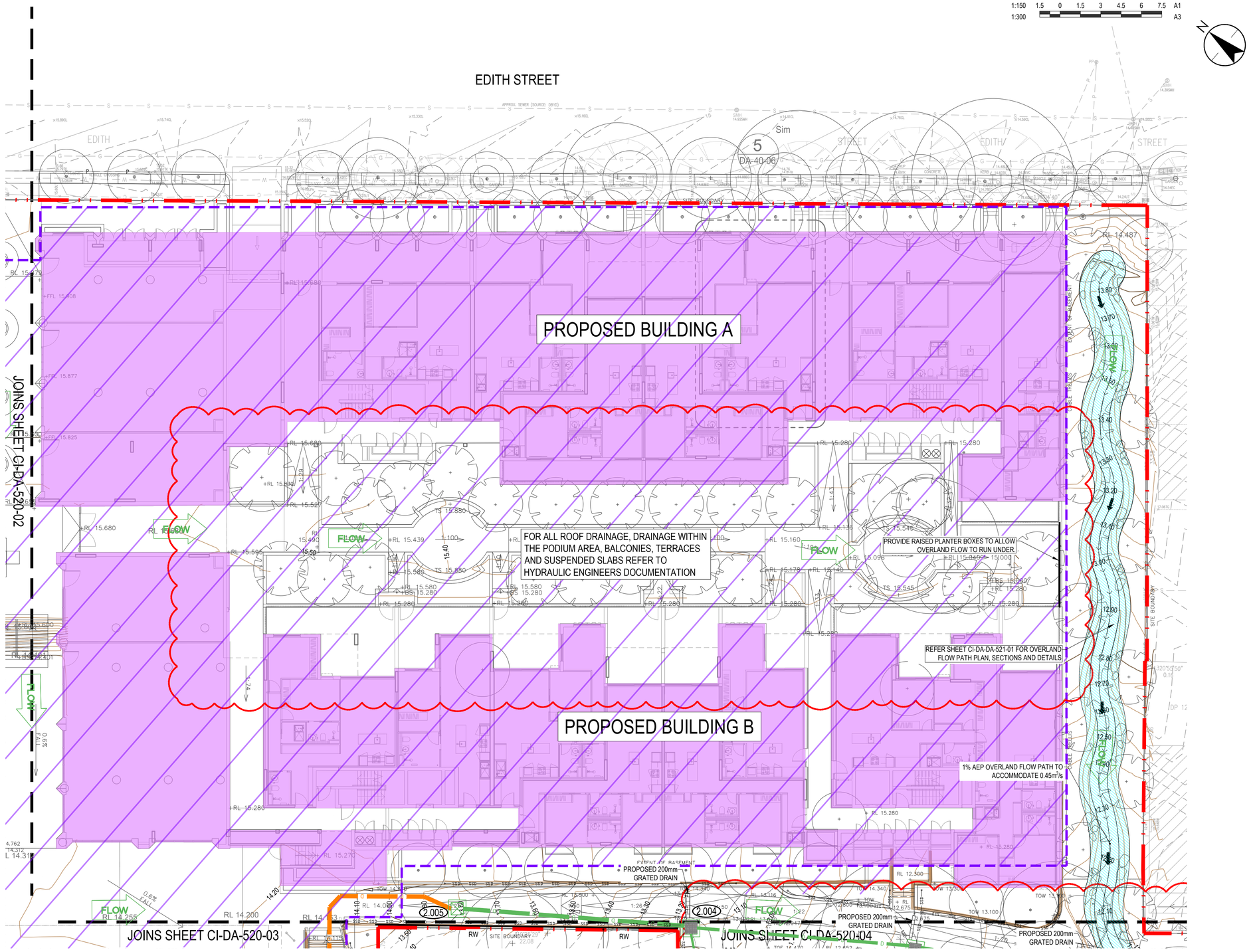
ORIGINAL SHEET - ISO A1 COORD - MGA/94-Zone 56 DATUM - mAHD

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025



1:150 1.5 0 1.5 3 4.5 6 7.5 A1
1:300 A3

LEGEND

- PROPOSED SITE BOUNDARY
- PROPOSED BUILDING
- PROPOSED BASEMENT EXTENT
- EXISTING BUILDING
- DESIGN CONTOURS (14.0)
- EXISTING CONTOURS (18.0)
- PROPOSED STORMWATER PIPE (D)
- SUSPENDED BASEMENT DRAINAGE
- EXISTING STORMWATER PIPE (D)
- OVERLAND FLOW PATH
- PROPOSED SWALE EXTENT
- OVERLAND FLOW
- PROPOSED GRATED DRAIN
- PROPOSED SWALE
- RETAINING WALL (RW)
- PROPOSED GRATED PIT
- PROPOSED JUNCTION PIT
- EXISTING STORMWATER PIT
- PROPOSED SUBSURFACE DRAIN WITH FLUSH POINT (FP, SSD)
- ON SITE DETENTION TANK
- PROPOSED RAINWATER TANK

FOR STORMWATER PIT SCHEDULE REFER TO DRAWING CI-526-02

NOTES

1. ALL STORMWATER PIPES TO HAVE A MINIMUM OF 0.5% SLOPE IN DIRECTION SHOWN UNO.
2. ALL IN-GROUND STORMWATER PIPES TO BE FRC CLASS 3 PIPES UNO.
3. ALL IN-GROUND STORMWATER PIPES TO BE MINIMUM 450 BELOW LANDSCAPED SURFACES AND 600 BELOW SURFACES IN TRAFFICABLE AREA.
4. GRATES, FRAMES AND COVERS IN ROADWAYS TO BE CLASS D.
5. GRATES AND FRAMES NOT IN ROADWAYS TO BE CLASS B.
6. STORMWATER PIPES ARE TO BE INSTALLED IN ACCORDANCE WITH AS 3725.
7. ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH COUNCIL STANDARDS AND CONSTRUCTION SPECIFICATIONS.
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11. ALL GRATED DRAINS TO BE ACO DRAIN WITH HEELSAFE GRATE OR APPROVED EQUIVALENT.

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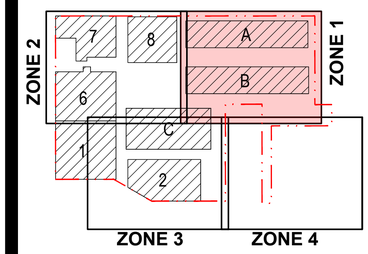

KEY PLAN

F	RE-ISSUE FOR S.456 APPROVAL	LPT	MDR	2023.05.26
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Issued/Revision		By	Appd	YYYY.MM.DD

File Name: 301350227-CI-DA-520-01.DWG	CPO	MDR	RET	2022.07.01
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Issue Status

APPROVAL

NOT FOR CONSTRUCTION

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Client/Project Logo

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Client/Project
HOME

PRECINCT 75

Title
STORMWATER DRAINAGE PLAN - ZONE 1

Project No.	Scale
301350227	1:150
Revision: F	Drawing No.: CI-DA-520-01

Plotted: 24/05/2023 4:51:08 PM By: DYLAN.PAINE, MEGIDA
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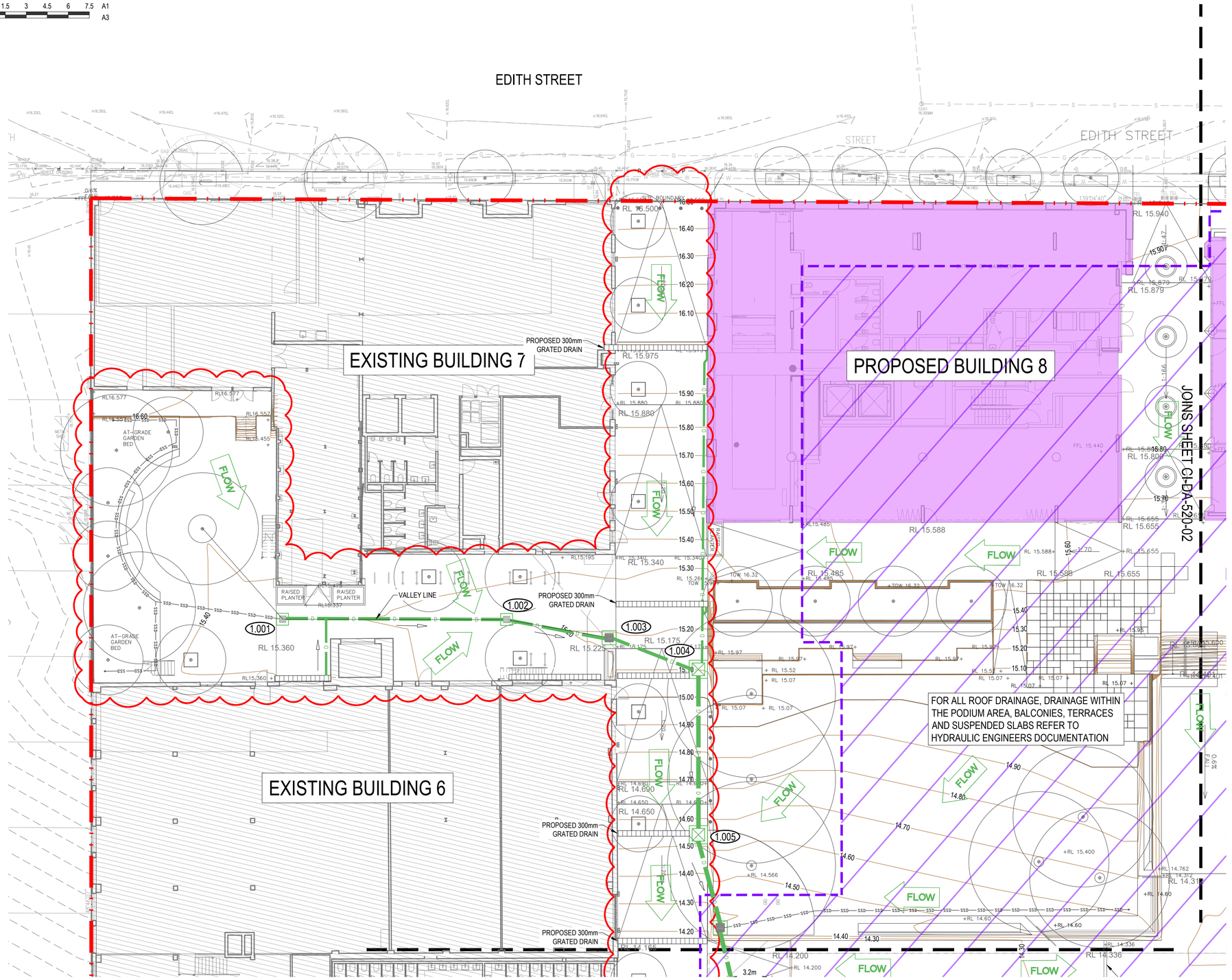
ORIGINAL SHEET - ISO A1 COORD - MGA/94-Zone 56 DATUM - mAHD

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

1:150 1.5 0 1.5 3 4.5 6 7.5 A1
1:300 A3



LEGEND

- PROPOSED SITE BOUNDARY
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- ON SITE DETENTION TANK
- PROPOSED RAINWATER TANK

FOR STORMWATER PIT SCHEDULE REFER TO DRAWING CI-526-02

NOTES

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2. ALL IN-GROUND STORMWATER PIPES TO BE FRC CLASS 3 PIPES UNO.
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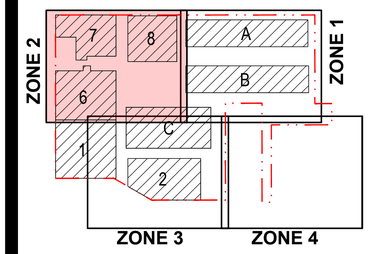

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Issued/Revision		By	Appd	YYYY.MM.DD

File Name: 301350227-CI-DA-520-01.DWG	CPO	MDR	RET	2022.07.01
	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

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PRECINCT 75

Title
STORMWATER DRAINAGE PLAN - ZONE 2

Project No.	Scale
301350227	1:150
Revision: F	Drawing No.: CI-DA-520-02

Plotted: 26/05/2023 4:51:49 PM By: DAZ RUNDE, MELBOURNE
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ORIGINAL SHEET - ISO A1 COORD - MGA/94-Zone 56 DATUM - mAHD
Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

1:150 1.5 0 1.5 3 4.5 6 7.5 A1
1:300 A3

JOINS SHEET CI-DA-520-02

JOINS SHEET CI-DA-520-01

PROPOSED BUILDING C

EXISTING BUILDING 1

EXISTING BUILDING 2

PROPOSED 300mm GRATED DRAIN

OSD TANK 1 + FILTER CHAMBER
MIN. TANK BASE IL 10.05m
TANK FOOTPRINT = 105.00m2
TREATMENT CHAMBER FOOTPRINT = 12.00m²
DETENTION TANK FOOTPRINT = 86.70m²

PROPOSED RAINWATER TANK
REFER TO HYDRAULIC CONSULTANT
DOCUMENTATION FOR FURTHER INFORMATION

STORMWATER LINE
SUSPENDED ON BASEMENT

OSD TANK 2 + FILTER CHAMBER
MIN. TANK BASE IL 9.80m
TOTAL TANK FOOTPRINT = 53.70m²
TREATMENT CHAMBER FOOTPRINT = 11.40m²
DETENTION TANK FOOTPRINT = 40.70m²

CREST LINE

FLOW

PROPOSED FILTERRA BIORETENTION SYSTEM WITHIN A 1200x1200 TREE GRATE TO SUPPLIER SPECIFICATION

PROPOSED 900x900 JUNCTION PIT

PROPOSED BUTTERFLY GRATE IN DISH DRAIN

MARY STREET

900x900 KERB INLET PIT
SINGLE GRATE 1.8m LINTEL

MARY STREET
MAKE SMOOTH CONNECTION INTO EXISTING STORMWATER NETWORK

EXISTING PIPE INVERT LEVEL HAS BEEN ASSUMED. CONTRACTOR TO CONFIRM THIS ON SITE PRIOR CONSTRUCTION.

EXTENT OF BASEMENT

SITE BOUNDARY

LEGEND

- PROPOSED SITE BOUNDARY
- PROPOSED BUILDING
- PROPOSED BASEMENT EXTENT
- EXISTING BUILDING
- DESIGN CONTOURS (14.0)
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- PROPOSED STORMWATER PIPE
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- PROPOSED RAINWATER TANK

FOR STORMWATER PIT SCHEDULE REFER TO DRAWING CI-526-02

NOTES

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Plotted: 26/05/2023 4:53:20 PM By: DYA PAINDE, MELISSA
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ORIGINAL SHEET - ISO A1 COORD - MGA/94-Zone 56 DATUM - mAHD

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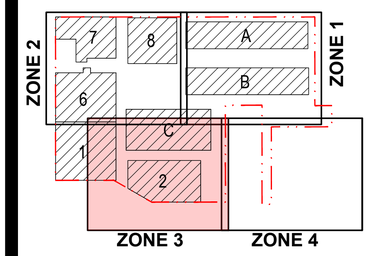

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Client/Project Logo

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HOME

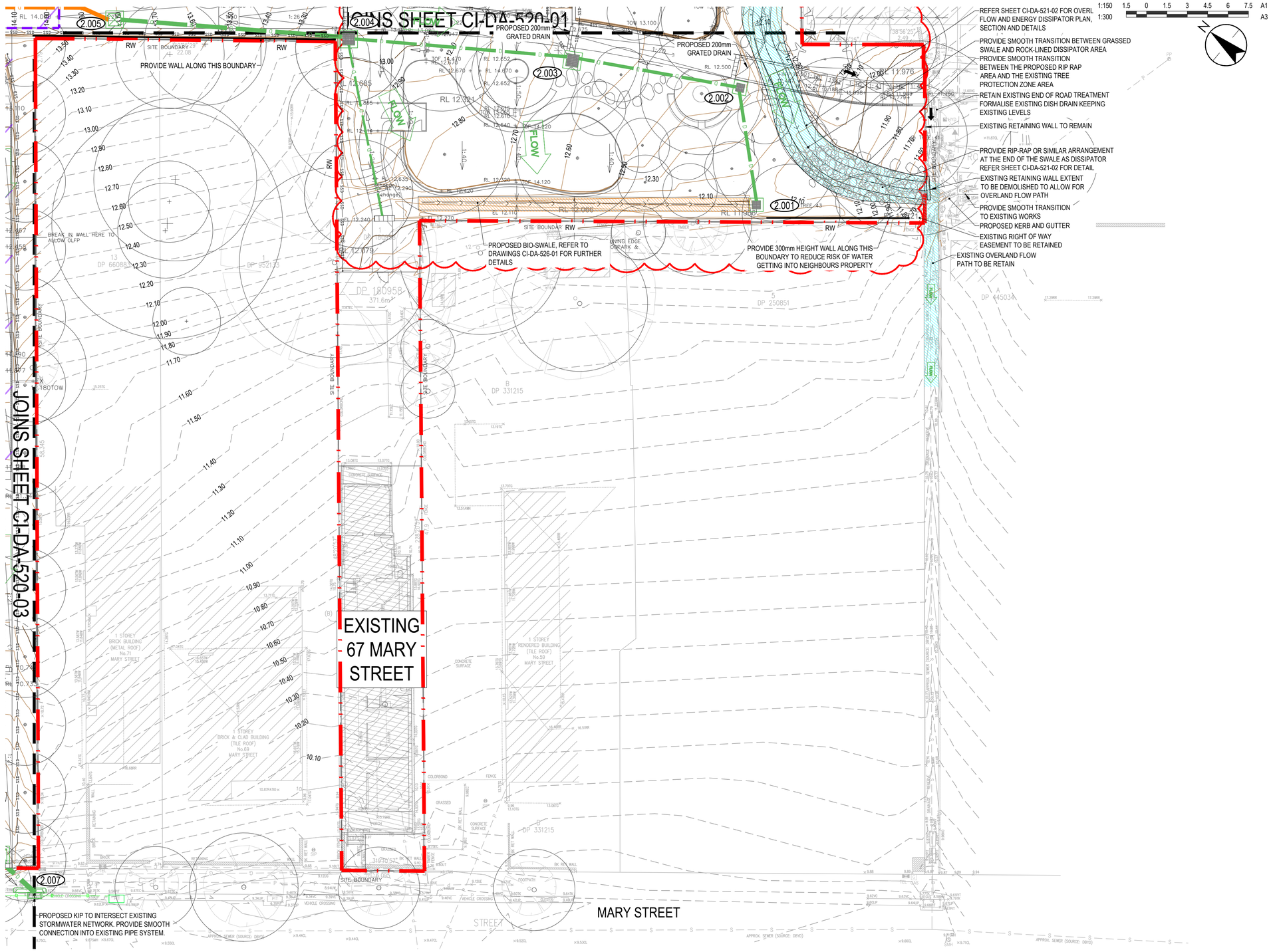
PRECINCT 75

Title
STORMWATER DRAINAGE PLAN - ZONE 3

Project No.	Scale
301350227	1:150

Revision
F

Drawing No.
CI-DA-520-03



REFER SHEET CI-DA-521-02 FOR OVERL FLOW AND ENERGY DISSIPATOR PLAN, SECTION AND DETAILS

PROVIDE SMOOTH TRANSITION BETWEEN GRASSED SWALE AND ROCK-LINED DISSIPATOR AREA

PROVIDE SMOOTH TRANSITION BETWEEN THE PROPOSED RIP RAP AREA AND THE EXISTING TREE PROTECTION ZONE AREA

RETAIN EXISTING END OF ROAD TREATMENT FORMALISE EXISTING DISH DRAIN KEEPING EXISTING LEVELS

EXISTING RETAINING WALL TO REMAIN

PROVIDE RIP-RAP OR SIMILAR ARRANGEMENT AT THE END OF THE SWALE AS DISSIPATOR REFER SHEET CI-DA-521-02 FOR DETAIL

EXISTING RETAINING WALL EXTENT TO BE DEMOLISHED TO ALLOW FOR OVERLAND FLOW PATH

PROVIDE SMOOTH TRANSITION TO EXISTING WORKS

PROPOSED KERB AND GUTTER

EXISTING RIGHT OF WAY EASEMENT TO BE RETAINED

EXISTING OVERLAND FLOW PATH TO BE RETAIN

1:150 1:300 A1 A3

LEGEND

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- PROPOSED BUILDING
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NOTES

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2. ALL IN-GROUND STORMWATER PIPES TO BE FRC CLASS 3 PIPES UNO.
3. ALL IN-GROUND STORMWATER PIPES TO BE MINIMUM 450 BELOW LANDSCAPED SURFACES AND 600 BELOW SURFACES IN TRAFFICABLE AREA.
4. GRATES, FRAMES AND COVERS IN ROADWAYS TO BE CLASS D.
5. GRATES AND FRAMES NOT IN ROADWAYS TO BE CLASS B.
6. STORMWATER PIPES ARE TO BE INSTALLED IN ACCORDANCE WITH AS 3725.
7. ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH COUNCIL STANDARDS AND CONSTRUCTION SPECIFICATIONS.
8. THE CONTRACTOR SHALL VERIFY LOCATIONS OF EXISTING SERVICES WITH ALL RELEVANT AUTHORITIES BEFORE COMMENCING CONSTRUCTION.
9. EXISTING STORMWATER NETWORK NEED TO BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
10. CONTRACTOR TO LOCATE AND EXPOSE ALL EXISTING SERVICES BEFORE CONSTRUCTION STARTS. EXISTING SERVICES TO BE RELOCATED WHERE NEEDED TO AVOID CLASHING.
11. ALL GRATED DRAINS TO BE ACO DRAIN WITH HEELSAFE GRATE OR APPROVED EQUIVALENT.

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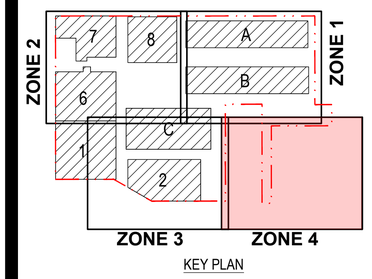

KEY PLAN

F	RE-ISSUE FOR S.456 APPROVAL	LPT	MDR	2023.05.26
E	ISSUE FOR S4.56 APPROVAL	LPT	MDR	2023.05.19
D	DRAFT ISSUED FOR S4.56 APPROVAL	LPT	MDR	2023.05.12
C	ISSUED FOR DA APPROVAL	LPT	MDR	2022.10.21
B	ISSUED FOR DA APPROVAL	JBC	RET	2022.07.06
A	DRAFT DA ISSUED FOR REVIEW	JBC	RET	2022.07.01
Issued/Revision		By	Appd	YYYY.MM.DD

File Name: 301350227-CI-DA-520-01.DWG	CPO	MDR	RET	2022.07.01
	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Issue Status

APPROVAL

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Client/Project Logo

home cox

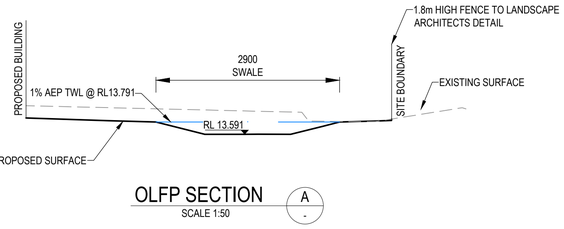
Client/Project
HOME

PRECINCT 75

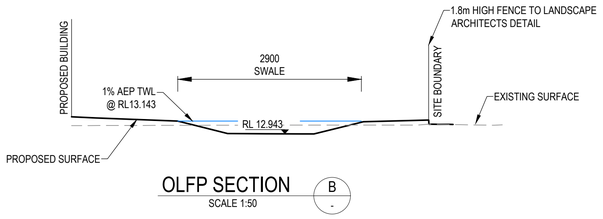
Title
STORMWATER DRAINAGE PLAN - ZONE 4

Project No. 301350227
Scale 1:150
Revision F
Drawing No. CI-DA-520-04

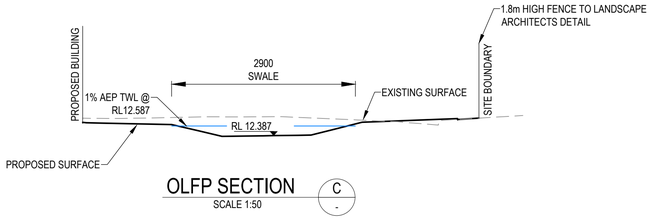
Plotted: 24/05/2023 4:53:20 PM By: DAT RANGE, MELISSA
\\301350227\PROJECT DOCUMENTATION\CIVIL\DRAWINGS & SKETCH SHEETS\DA SUBMISSION
ORIGINAL SHEET - ISO A1 COORD - MGA/94-zone 56 DATUM - mAHD
Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025



OLFP SECTION A
SCALE 1:50



OLFP SECTION B
SCALE 1:50



OLFP SECTION C
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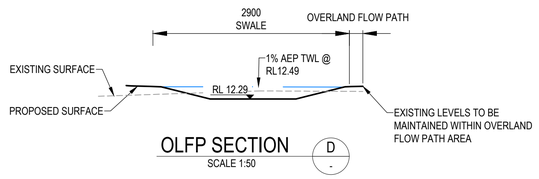
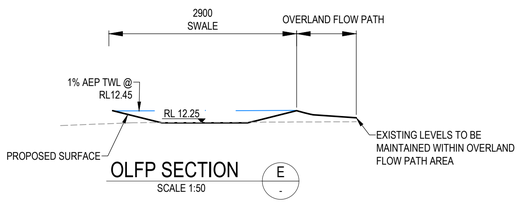
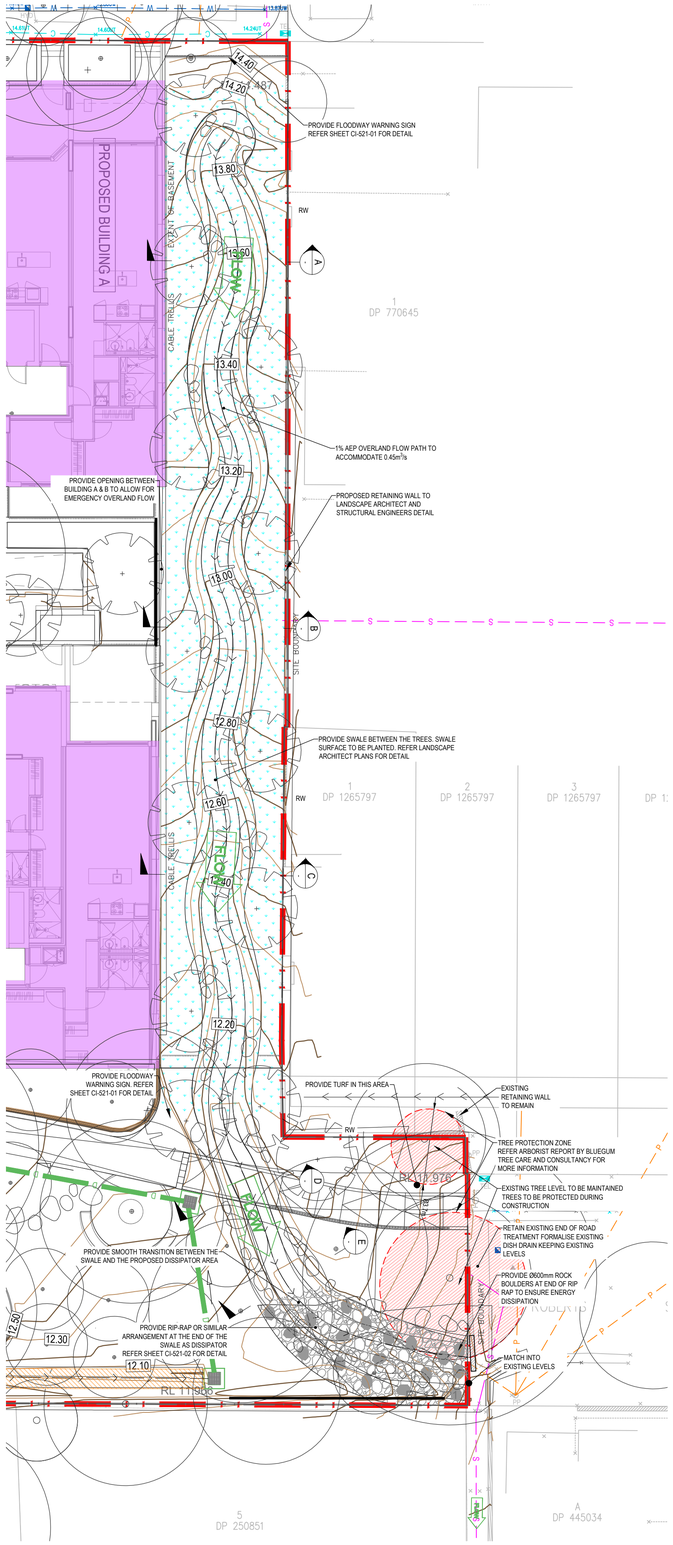


OLFP SECTION D
SCALE 1:50



OLFP SECTION E
SCALE 1:50



1:50 1 0.5 0 1 2 A1
1:100 A3
1:150 1.5 0 1.5 3 4.5 6 7.5 A1
1:300 A3

LEGEND

- PROPOSED SITE BOUNDARY
- PROPOSED BASEMENT EXTENT
- PROPOSED BUILDING
- EXISTING BUILDING
- 14.0 DESIGN CONTOURS
- 18.0 EXISTING CONTOURS
- PROPOSED STORMWATER PIPE
- EXISTING STORMWATER PIPE
- FLOW OVERLAND FLOW
- PROPOSED GRATED DRAIN
- PROPOSED SWALE
- RW RETAINING WALL
- PROPOSED GRATED PIT
- PROPOSED JUNCTION PIT
- EXISTING STORMWATER PIT
- PROPOSED RIP RAP
- ROCK BOULDERS
- TREE PROTECTION ZONE

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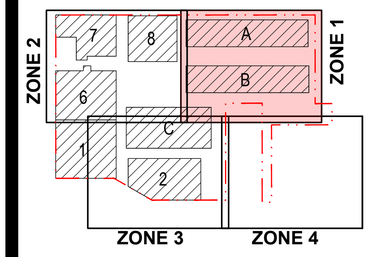

KEY PLAN

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A	DRAFT DA ISSUED FOR REVIEW	JBC	RET	2022.07.01
Issued/Revision		By	Appd	YYYY.MM.DD

File Name: 301350227-CI-DA-521-01.DWG	CPO	MDR	RET	2022.07.01
	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Issue Status

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HOME

PRECINCT 75

Title
OVERLAND FLOW PATH PLAN AND SECTIONS

Project No.
301350227

Scale
1:150

Revision
F

Drawing No.
CI-DA-521-01

Plotted: 26/05/2023 4:48:49 PM By: DAZ RUNDE, MELISSA
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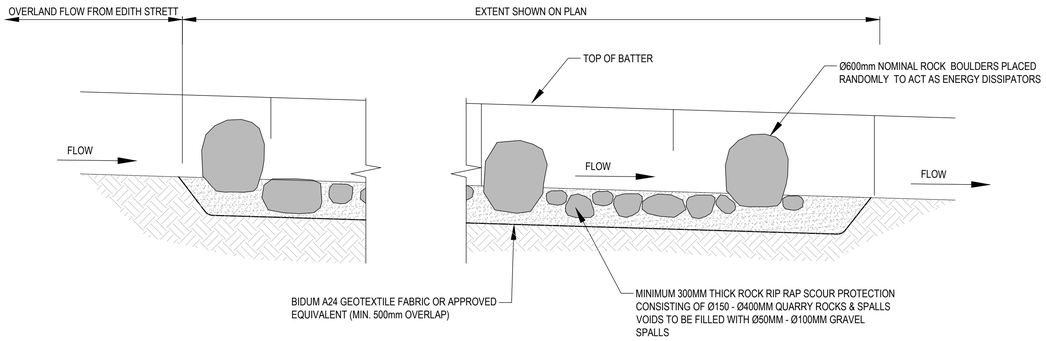
ORIGINAL SHEET - ISO A1 COORD - MGA/P4-Zone 56 DATUM - mAHD
Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025



OVERLAND FLOW PATH RIP RAP DETAIL

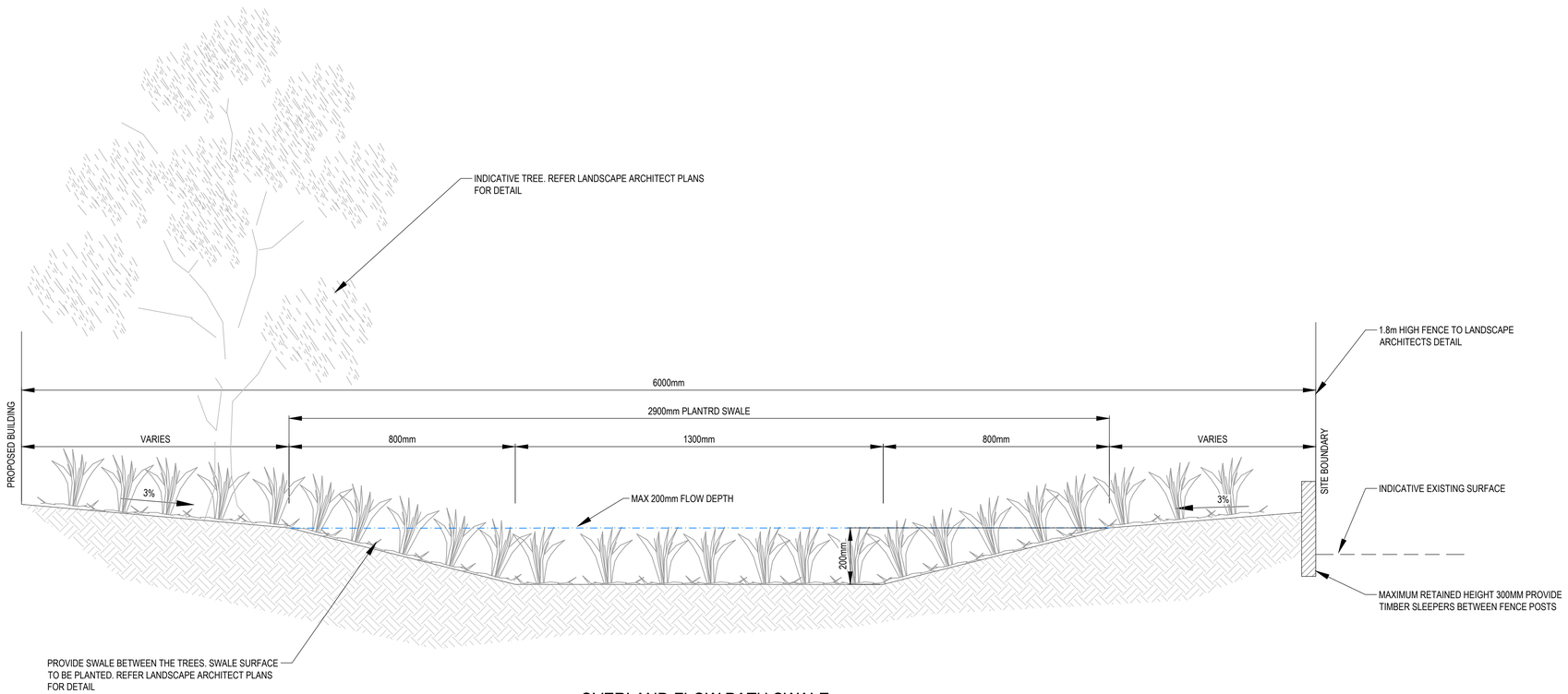
(SCALE 1:10)

SIGNAGE NOTES:

1. SIGN SHALL BE 600x450x1.6mm ALUMINIUM PLATE
2. COLOURS SHALL BE AS FOLLOWS:
   TRIANGLE = RED
   "WARNING" = RED
   WATER = BLUE
   PICTURE = BLACK
   WORDING = BLACK
3. SIGN TO BE FIXED TO FENCE IN A PROMINENT LOCATION WITHIN THE DETENTION BASIN AREA

FLOODWAY WARNING SIGN

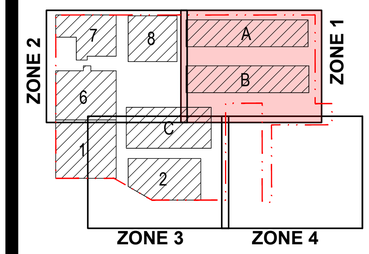
SCALE N.T.S.



OVERLAND FLOW PATH SWALE TYPICAL DETAIL

(SCALE 1:10)

1:10 0.1 0 0.1 0.2 0.3 0.4 0.5 A1
1:20 A3



KEY PLAN

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		Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

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HOME

PRECINCT 75

Title
OVERLAND FLOW PATH DETAILS

Project No.
301350227

Scale
1:###

Revision
E

Drawing No.
CI-DA-521-02

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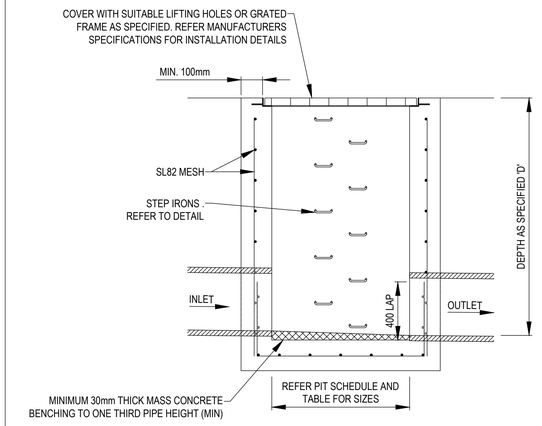
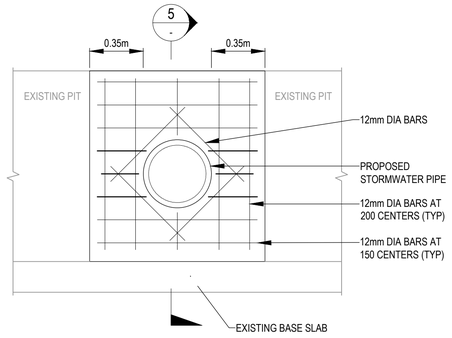
Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025



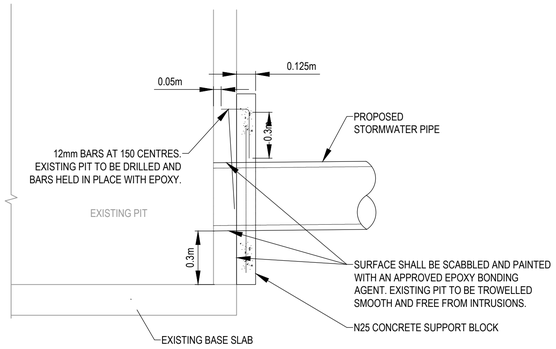
INTERNAL PIT DIMENSIONS (MIN.)		
'D'	'X'	'Y'
D < 600	450	450*
600 < D < 900	600	600*
900 < D < 1200	600	900
D > 1200	900	900

NOTE: PITS DENOTED *SHALL BE USED ONLY WHERE SPECIFIED IN DRAINAGE SCHEDULE OR ON PLAN



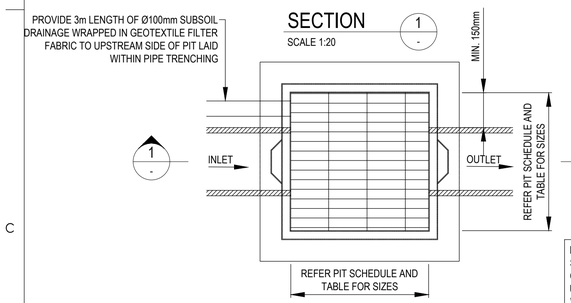
STORMWATER PIPE CONNECTION INTO EXISTING PIT

SCALE 1:20



SECTION 6

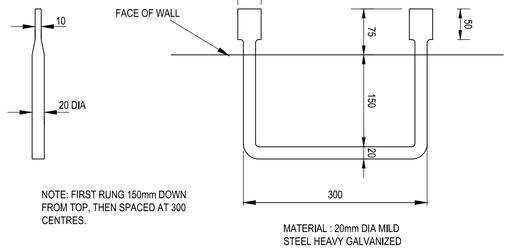
SCALE 1:20



PROVIDE 3m LENGTH OF Ø100mm SUBSOIL DRAINAGE WRAPPED IN GEOTEXTILE FILTER FABRIC TO UPSTREAM SIDE OF PIT LAID WITHIN PIPE TRENCHING

SURFACE INLET/JUNCTION PIT PLAN

SCALE 1:20

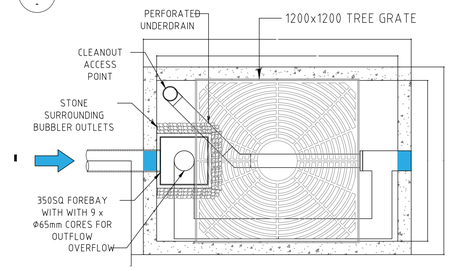


NOTE: FIRST RUNG 150mm DOWN FROM TOP, THEN SPACED AT 300 CENTRES.

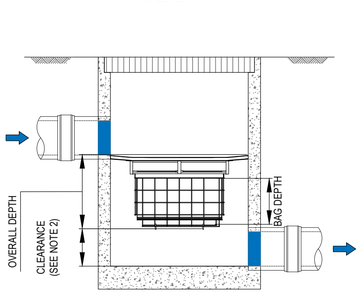
MATERIAL : 20mm DIA MILD STEEL HEAVY GALVANIZED

STEP IRONS DETAIL

N.T.S.

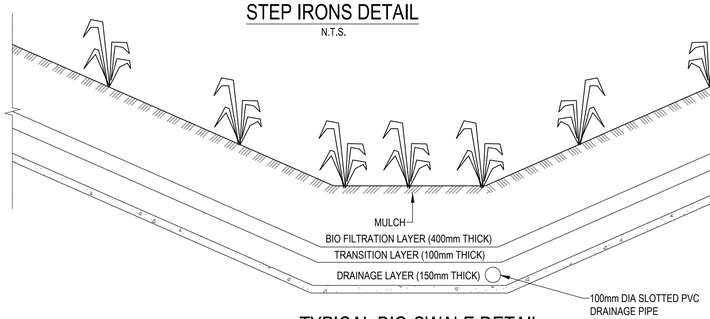


FILTERRA SYSTEM PLAN VIEW



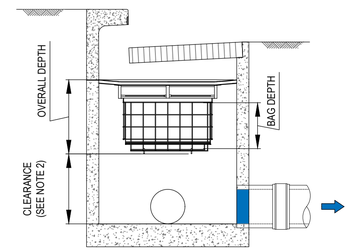
OCEANGUARD PIPE FLOW CONFIGURATION

SCALE 1:20



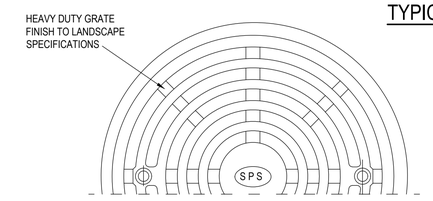
TYPICAL BIO-SWALE DETAIL

NOT TO SCALE

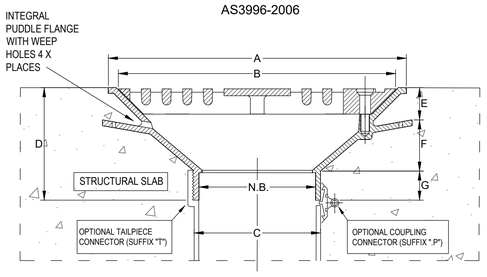


OCEANGUARD SURFACE FLOW CONFIGURATION

SCALE 1:20



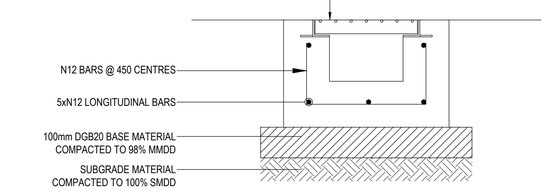
LOAD-TESTED TO CLASS C OF AS3996-2006



N.B	A	B	C	D	E	F	G	Flow rate* L/S
150	260	238	160	90	28	37	25	9.4

RWO VERTICAL DRAIN PUBLIC AREA

(SCALE 1:10)



FILTERRA SYSTEM SECTION A

GRATED TRENCH DRAIN

(SCALE 1:20)

1:20 0.2 0 0.2 0.4 0.6 0.8 1 A1
1:40 A3

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C	DRAFT ISSUED FOR S4.56 APPROVAL	LPT	MDR	2023.05.12
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A	DRAFT DA ISSUED FOR REVIEW	JBC	RET	2022.07.01
Issued/Revision		By	Appd	YYYY.MM.DD
File Name: 301350227-CI-DA-526-01.DWG		CPO	MDR	RET 2022.07.01
		Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Issue Status

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PRECINCT 75

Title
STORMWATER DRAINAGE DETAILS - SHEET 1

Project No. 301350227
Scale 1:20
Revision **E**
Drawing No. **CI-DA-526-01**

Plotted: 26/05/2023 4:45:33 PM By: CRAIG RUNDE, MELBSA
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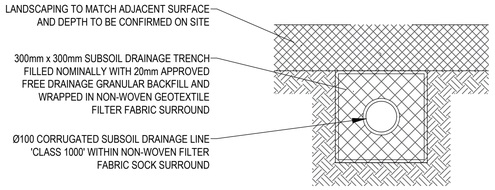
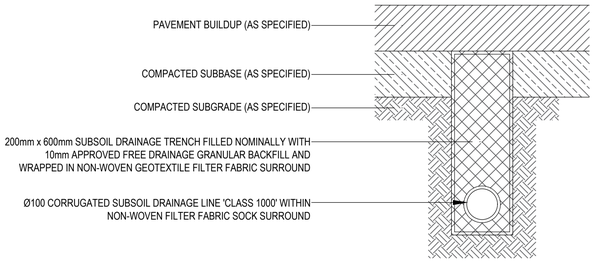
ORIGINAL SHEET - ISO A1 COORD - MGA/94-Zone 56 DATUM - mAHD
Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025



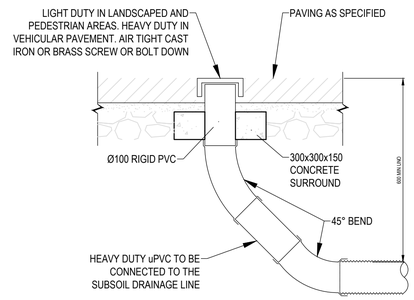
SUBSOIL DRAINAGE TRENCH DETAIL - UNDER LANDSCAPE AREAS

(SCALE 1:20)



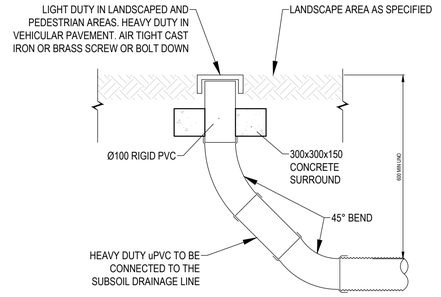
SUBSOIL DRAINAGE TRENCH DETAIL - UNDER PAVEMENT BUILTUP

(SCALE 1:20)



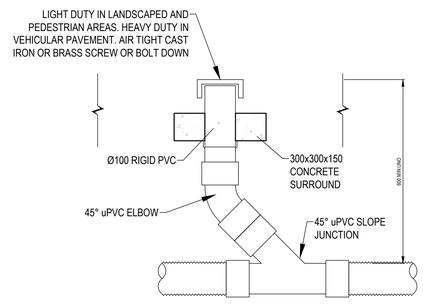
FLUSH OUT RISER IN PAVED AREAS

(SCALE 1:20)



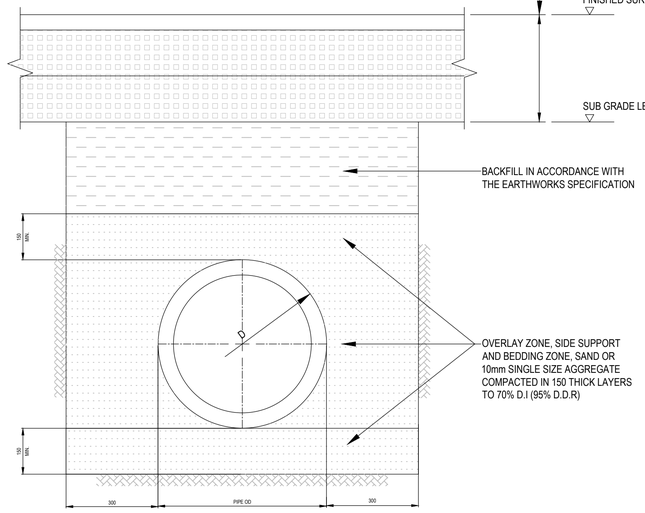
FLUSH OUT RISER IN LANDSCAPED AREAS

(SCALE 1:20)



INTERMEDIATE FLUSH OUT RISER

(SCALE 1:20)

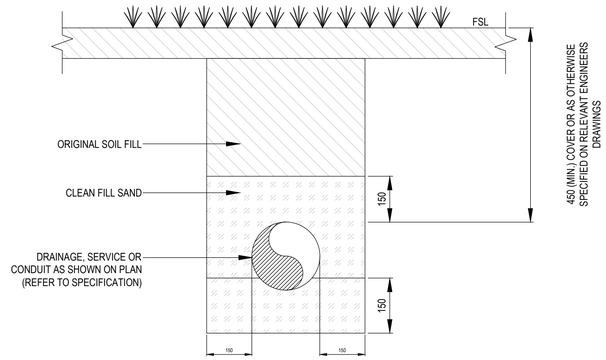


FLEXIBLE PIPES UNDER PAVEMENTS

SCALE 1:20

SAND GRADING (TABLE G3 AS 2566.2)	
SIEVE SIZE (mm)	WEIGHT PASSING (%)
4.75	100 TO 90
2.36	90 TO 100
1.18	85 TO 100
0.60	70 TO 100
0.30	50 TO 100
0.15	0 TO 40
0.075	0 TO 5

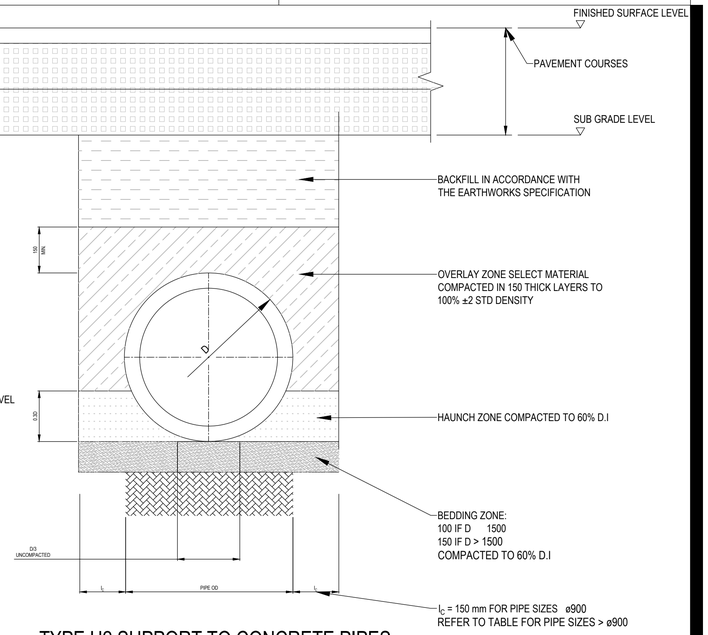
10mm SINGLE-SIZE AGGREGATE GRADING (TABLE G2 AS 2566.2)	
SIEVE SIZE (mm)	WEIGHT PASSING (%)
13.20	100
9.50	85 TO 100
4.75	0 TO 20
2.36	0 TO 5
0.075	0 TO 2



BACKFILL TO DRAINAGE, SERVICES AND CONDUITS IN LANDSCAPE AREAS (TYP.)

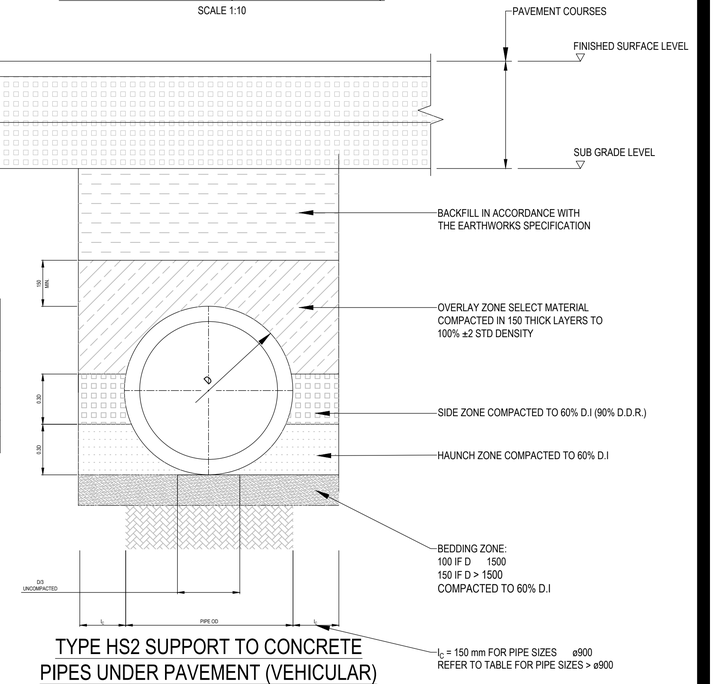
SCALE: NTS

NOTES
1. TYPICAL DETAIL TO BE USED FOR ALL DRAINAGE SERVICES RUNNING UNDER LANDSCAPE
2. DRAINAGE INCLUDES ALL GRAVITY SERVICES (INCLUDES CONCRETE AND PLASTIC PIPES)
3. SERVICES INCLUDES ALL PRESSURE PIPES
4. FOR NEW SERVICE PIPES OR CONDUITS, REFER TO PLANS FOR SIZES AND LOCATIONS



TYPE H2 SUPPORT TO CONCRETE PIPES UNDER PAVEMENT (NON-VEHICULAR)

SCALE 1:10



TYPE HS2 SUPPORT TO CONCRETE PIPES UNDER PAVEMENT (VEHICULAR)

SCALE 1:20

BEDDING & HAUNCH MATERIAL GRADING (TABLE 6 AS/NZS 3725)	
SIEVE SIZE (mm)	WEIGHT PASSING (%)
19.00	100
2.36	100 TO 50
0.60	90 TO 20
0.30	60 TO 10
0.15	25 TO 0
0.075	10 TO 0

SIDE ZONE WIDTH	
PIPE SIZE (mm)	l_C (mm)
ø900	150
ø1050	175
ø1200	200
ø1350	225
ø1500	250
ø1650	275
ø1800	300

SIDE ZONE MATERIAL GRADING (TABLE 7 AS/NZS 3725)	
SIEVE SIZE (mm)	WEIGHT PASSING (%)
19.00	100
9.50	100 TO 50
2.60	100 TO 30
0.60	50 TO 15
0.075	25 TO 0

1:20 0.2 0 0.2 0.4 0.6 0.8 1 A1
1:40 A3

ORIGINAL SHEET - ISO A1 COORD - MGA/94-Zone 56 DATUM - mAHD

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

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Issued/Revision		By	Appd	YYYY.MM.DD

File Name: 301350227-CI-DA-526-01.DWG	CPO	MDR	RET	2022.07.01
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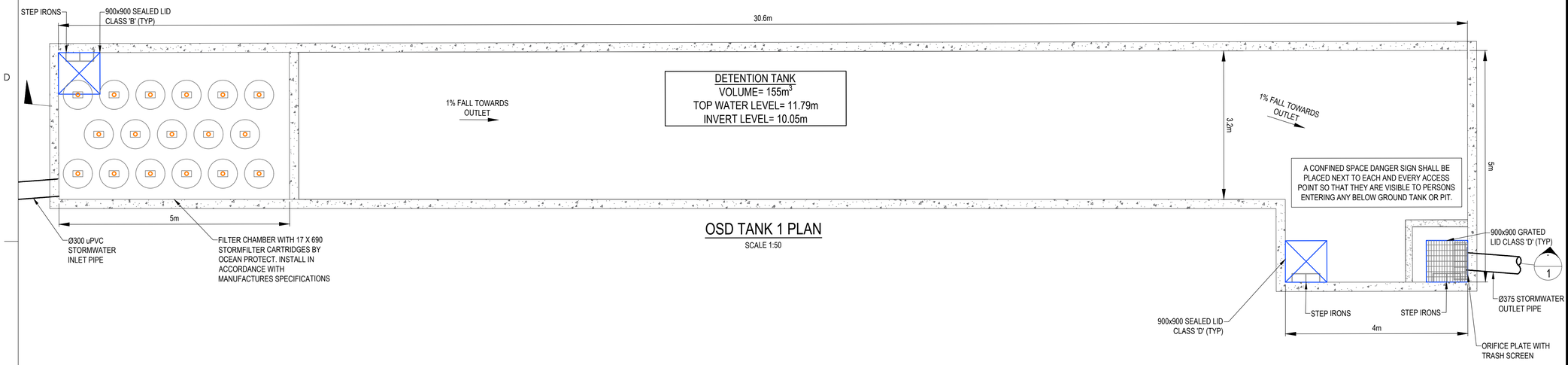
PRECINCT 75

Title
STORMWATER DRAINAGE DETAILS - SHEET 2

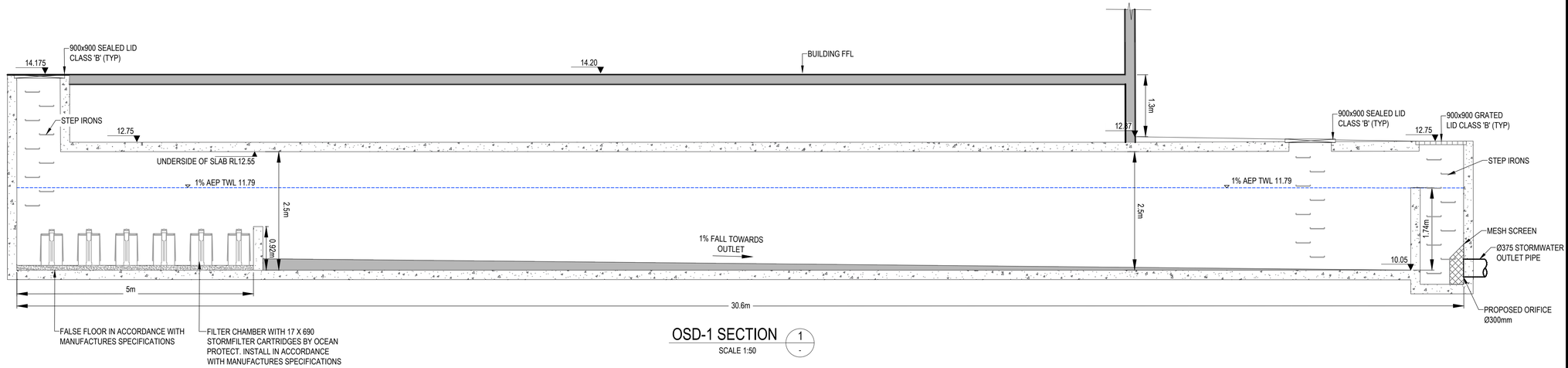
Project No.	Scale
301350227	1:20
Revision	Drawing No.
E	CI-DA-526-02

Plotted: 26/05/2023 4:46:09 PM By: DIAZ RAINE, MELISSA
J:\301350227\PROJECT DOCUMENTATION\CIVIL\DRAWINGS & DESIGN\SHEETS\DA SUBMISSION



OSD TANK 1 PLAN

SCALE 1:50

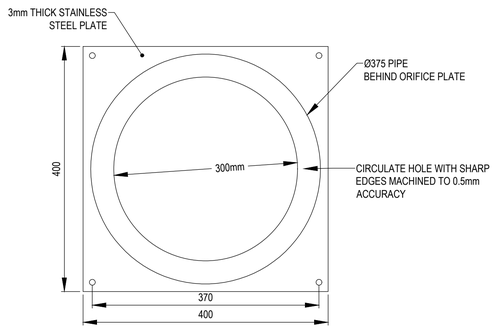


OSD-1 SECTION

1
-

SCALE 1:50

1:50 0.5 0 0.5 1 1.5 2 2.5 A1
1:100 A3
1:20 0.2 0 0.2 0.4 0.6 0.8 1 A1
1:40 A3



OSD TANK 1 ORIFICE PLATE DETAIL

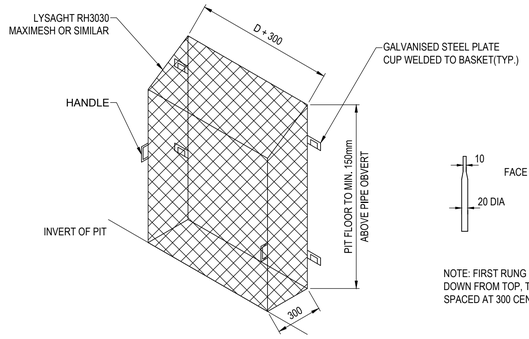
SCALE 1:5

NOTES:

1. A CONFINED SPACE DANGER SIGN SHALL BE PLACED NEXT TO EACH AND EVERY ACCESS POINT SO THAT THEY ARE VISABLE TO PERSONS ENTERING ANY BELOW GROUND TANK OR PIT.
2. COLOURS:
   DANGER AND BACKGROUND = WHITE
   ELLIPTICAL AREA = RED
   RECTANGLE CONTAINING ELLIPSE = BLACK
   OTHER LETTERING AND BORDER = BLACK
3. MINIMUM DIMENSIONS OF SIGN.
   LARGE ENTRIES: 300mm x 450mm
   SMALL ENTRIES: 250mm x 180mm
4. SIGN TO BE MADE FROM COLOUR BONDED ALUMINUM OR POLYPROPYLENE.
5. SIGN FIXED USING HILTI CHEMSETS OR EPOXY.

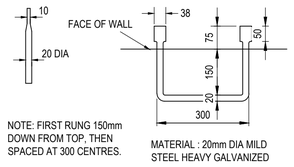
CONFINED SPACE SIGN

SCALE N.T.S.



SCREEN MESH DETAIL

N.T.S.



NOTE: FIRST RUNG 150mm DOWN FROM TOP, THEN SPACED AT 300 CENTRES.

MATERIAL : 20mm DIA MILD STEEL HEAVY GALVANIZED

STEP IRONS FOR DRAINAGE PITS

N.T.S.

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C	ISSUED FOR DA APPROVAL	LPT	MDR	2022.10.21
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File Name: 301350227-CI-DA-526-01.DWG		CPO	MDR	RET	2022.07.01
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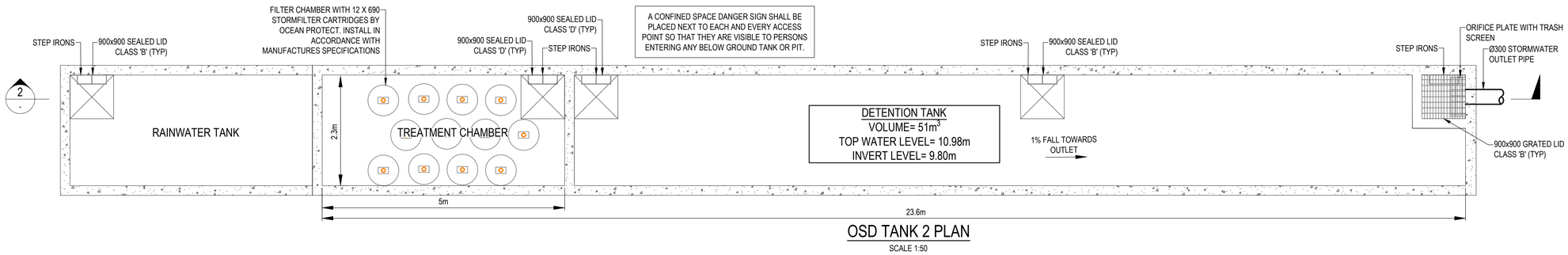
PRECINCT 75

Title
STORMWATER DRAINAGE DETAILS - SHEET 3

Project No.	Scale
301350227	1:50
Revision: F	Drawing No.: CI-DA-526-03

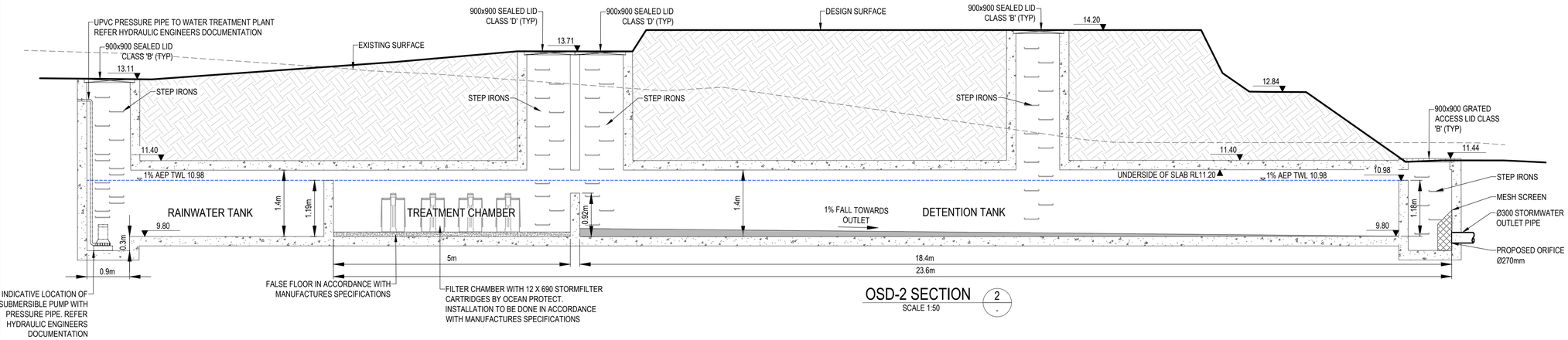
Plotted: 26/05/2023 4:44:41 PM By: DAZ RUNDE, MELBSA
J:\301350227\PROJECT DOCUMENTATION\CIVIL\DRAWINGS & OBSRVN\REPORT\DA SUBMISSION\
ORIGINAL SHEET - ISO A1 COORD - MGA/94-Zone 56 DATUM - mAHD

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025



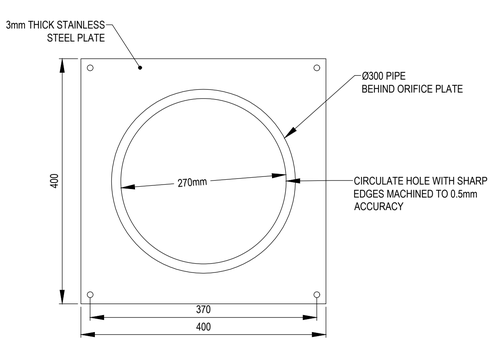
OSD TANK 2 PLAN

SCALE 1:50



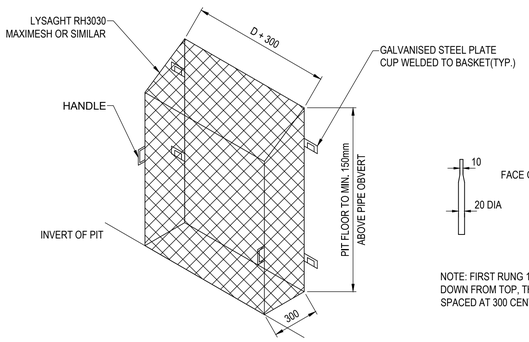
OSD-2 SECTION

SCALE 1:50



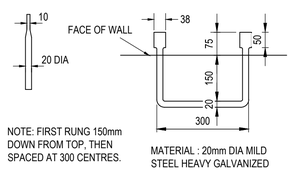
OSD TANK 2 ORIFICE PLATE DETAIL

SCALE 1:5



SCREEN MESH DETAIL

N.T.S.



STEP IRONS FOR DRAINAGE PITS

N.T.S.

CONFINED SPACE SIGN

SCALE N.T.S.

NOTES:
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   OTHER LETTERING AND BORDER = BLACK
3. MINIMUM DIMENSIONS OF SIGN.
   LARGE ENTRIES: 300mm x 450mm
   SMALL ENTRIES: 250mm x 180mm
4. SIGN TO BE MADE FROM COLOUR BONDED ALUMINUM OR POLYPROPYLENE.
5. SIGN FIXED USING HILTI CHEMSETS OR EPOXY.

1:50 0.5 0 0.5 1 1.5 2 2.5 A1
1:100 A3
1:20 0.2 0 0.2 0.4 0.6 0.8 1 A1
1:40 A3

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PRECINCT 75

Title
STORMWATER DRAINAGE DETAILS - SHEET 4

Project No.
301350227

Scale
1:50

Revision
F

Drawing No.
CI-DA-526-04

Plotted: 24/05/2023 3:14:15 PM, By: DAE RANGE, MELISSA
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ORIGINAL SHEET - ISO A1 COORD - MGA/94-zone 56 DATUM - mAHD
Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

Appendix B Existing Flood Information

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

3. FLOOD RISK ASSESSMENT

3.1 General

We have been advised by council that this site/precinct is predominantly not subject to flooding.

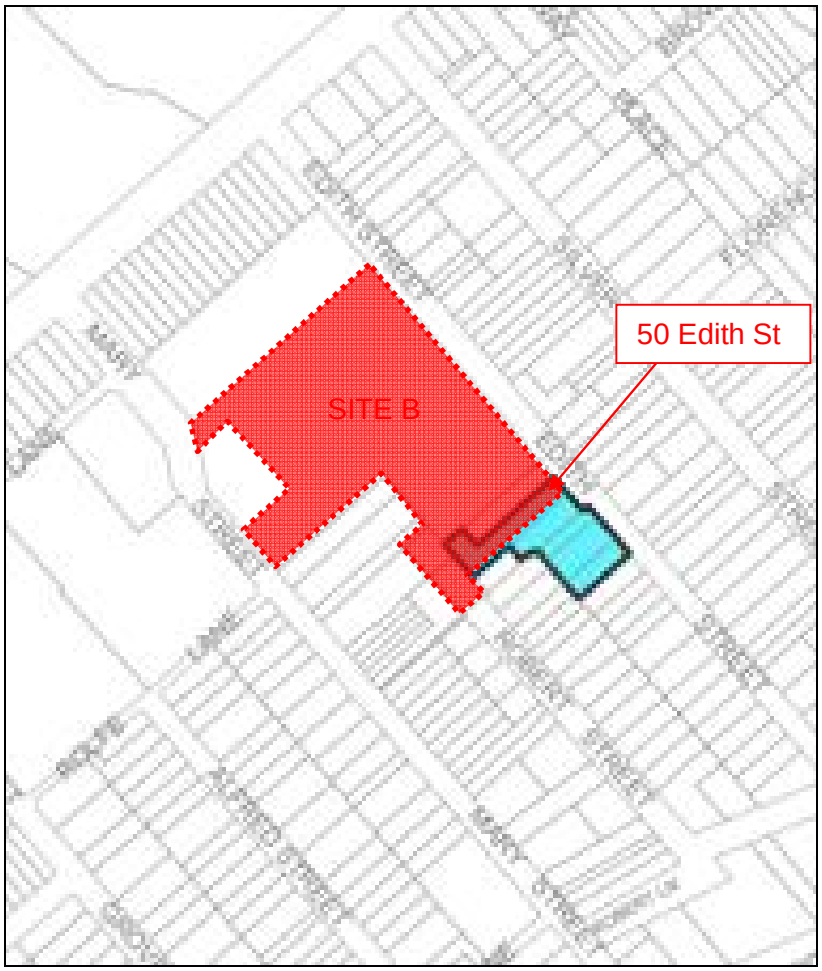

Figure 2 – Council General Flooding Map (Source: Inner West Council)

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

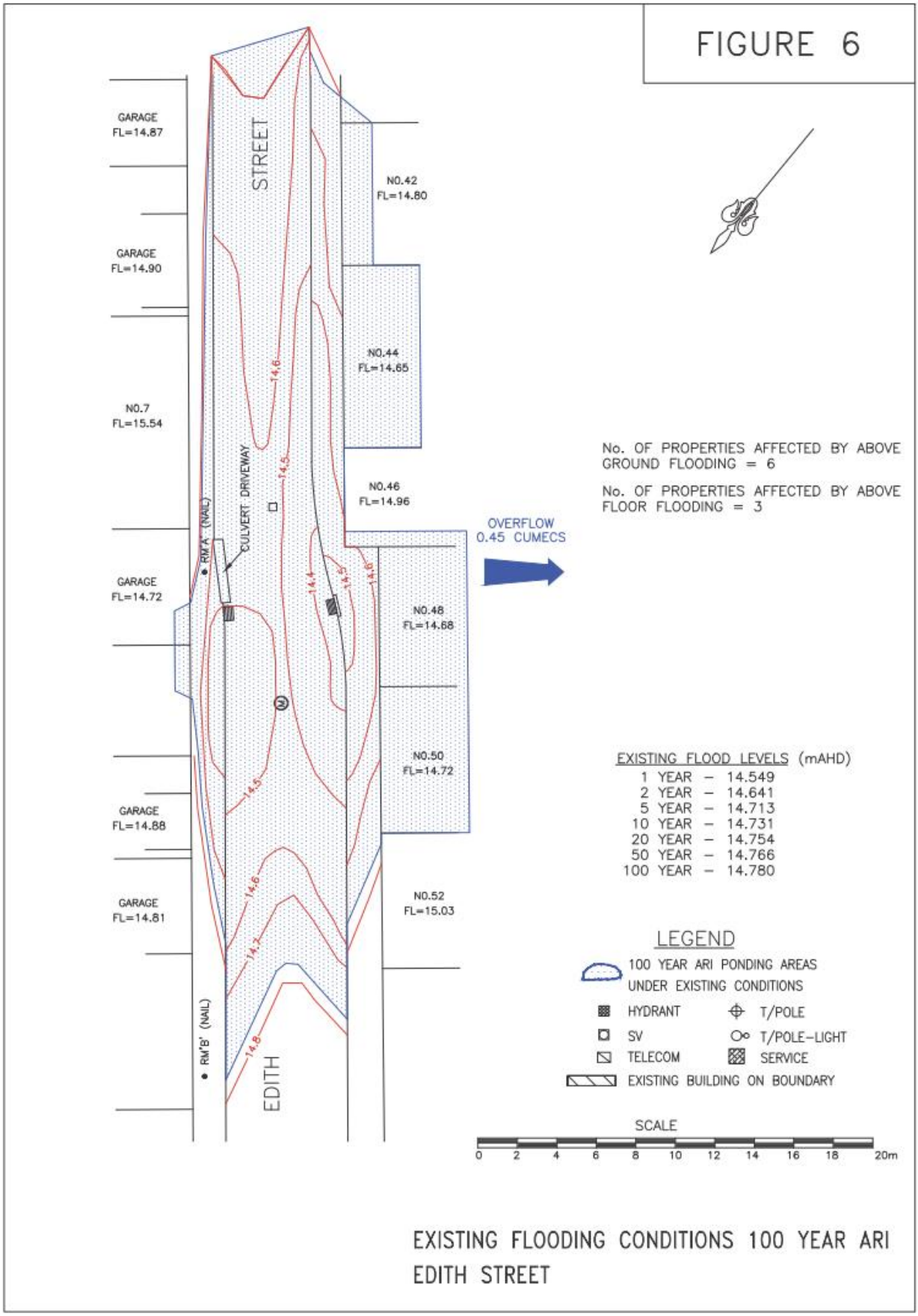

Figure 3 – Council Specific Flooding Map of Edith Street (Source: Inner West Council)

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

The flooding maps show an overflow of 0.45m3/s through No. 48 and potentially No. 50 Edith Street. Refer to Figure 2 and 3 above.

Council has also provided us with the Lucas Consulting Engineers Flood Report for the area dated March 1998 (which we are advised by council is the latest).

The report details a 100year ARI flood level of RL 14.780 within Edith Street.

3.2 Recommendations

Although the site/precinct is not affected, it is possible that the site/precinct could be flood affected in the future. It could be impacted by localised flooding in extreme events. This can be caused by short term overloading of local stormwater drains caused by extreme rainfall.

It is therefore recommended that the proposed floor level(s) at Edith Street is designed to be above the water level on neighbouring properties for the 100 year ARI flood event. Therefore the habitable floor levels of the residential buildings and any associated entries into the basements have been designed above the 100 year ARI flood event plus 500mm freeboard. There is a separate statement / report provided specifically to address the localised flooding associated with the site.

Any new development must comply with the Council Development Control Plans, (in particular Stormwater Management).

Consequently, it is likely that the proposed development will require on-site detention of stormwater and this has been conceptually shown on the planning application plans. This has been detailed in the stormwater concept plans accompanying this development application.

3.3 Summary & Conclusions

There appears to be no major issues with flooding associated with this proposed development.

All habitable floor levels and associated basement entries have been designed above the 100 year ARI flood event plus 500mm freeboard.

The levels at the boundaries have been set so that there is no detrimental effect to the neighbours.

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Version: 1, Version Date: 01/04/2025

Design with
community in mind

Stantec

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Stantec

home

COX

PRECINCT 75
CIVIL ENGINEERING DRAWINGS

ST PETERS NSW 2044

ISSUE FOR S4.56 APPROVAL
2023.05.26

Stantec Project Number: 301350227

DRAWING LIST	
NO.	DRAWING NAME
CI-DA-000-01	COVER SHEET
CI-DA-007-01	GENERAL NOTES SHEET 1
CI-DA-007-02	GENERAL NOTES SHEET 2
CI-DA-060-01	KEY PLAN
CI-DA-070-01	EROSION AND SEDIMENTCONTROL PLAN
CI-DA-076-01	EROSION AND SEDIMENTCONTROL DETAILS
CI-DA-100-01	BULK EARTHWORKS PLAN
CI-DA-406-01	SITEWORKS DETAILS SHEET 1
CI-DA-406-02	SITEWORKS DETAILS SHEET 2
CI-DA-406-03	SITEWORKS DETAILS SHEET 3
CI-DA-406-04	SITEWORKS DETAILS SHEET 4
CI-DA-500-01	CATCHMENT PLAN
CI-DA-520-01	STORMWATER DRAINAGE PLAN - ZONE 1
CI-DA-520-02	STORMWATER DRAINAGE PLAN - ZONE 2
CI-DA-520-03	STORMWATER DRAINAGE PLAN - ZONE 3
CI-DA-520-04	STORMWATER DRAINAGE PLAN - ZONE 4
CI-DA-521-01	OVERLAND FLOW PATH PLANAND SECTIONS
CI-DA-521-02	OVERLAND FLOW PATH DETAILS
CI-DA-526-01	STORMWATER DRAINAGE DETAILS - SHEET 1
CI-DA-526-02	STORMWATER DRAINAGE DETAILS - SHEET 2
CI-DA-526-03	STORMWATER DRAINAGE DETAILS - SHEET 3
CI-DA-526-04	STORMWATER DRAINAGE DETAILS - SHEET 4

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Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

GENERAL NOTES

1. DESIGN HEREIN HAS BEEN PREPARED BY STANTEC AUSTRALIA PTY LTD LEVEL 9, THE FORUM, 203 PACIFIC HIGHWAY, ST LEONARDS NSW 2065
2. CONTRACTOR TO CHECK WITH ENGINEER IF THESE NOTES ARE TO SUPPLEMENT A CIVIL SPECIFICATION.
3. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH COUNCIL / RELEVANT AUTHORITY SPECIFICATIONS AND DETAILS.
4. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH OTHER CONSULTANTS' DRAWINGS AND SPECIFICATIONS AND WITH OTHER SUCH WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ANY DISCREPANCY SHALL BE REFERRED TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
5. ALL DIMENSIONS ARE IN MILLIMETRES (mm) & ALL LEVELS ARE IN METRES (m), UNO (UNLESS NOTED OTHERWISE).
6. NO DIMENSION SHALL BE OBTAINED BY SCALING THE DRAWINGS.
7. ALL LEVELS AND SETTING OUT DIMENSIONS SHOWN ON THE DRAWINGS SHALL BE CHECKED ON SITE PRIOR TO COMMENCEMENT OF WORKS.
6. EXISTING SERVICES WHERE SHOWN HAVE BEEN PLOTTED FROM SUPPLIED DATA AND SUCH THEIR ACCURACY CAN NOT BE GUARANTEED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH THE LEVEL OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF WORK.
7. CAD FILES / DTM FILES TO BE SUPPLIED IN AUTOCAD FORMAT FOR SETOUT PURPOSES (UPON REQUEST).

SITEWORKS NOTES

1. ORIGIN OF LEVELS:- REFER SURVEY NOTES.
2. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCIES TO BE REPORTED TO STANTEC.
3. ALL WORK IS TO BE UNDERTAKEN IN ACCORDANCE WITH COUNCIL CONSTRUCTION SPECIFICATIONS, THE DETAILS SHOWN ON THE DRAWINGS AND THE SPECIFICATIONS AND THE DIRECTIONS OF THE PRINCIPAL'S REPRESENTATIVE.
4. ALL WORKS TO BE COMPLETED IN ACCORDANCE WITH NEWCASTLE COUNCIL AND OTHER AUTHORITY REQUIREMENTS.
5. ALL CONSTRUCTION UNDERTAKEN BY THE CONTRACTOR IS TO COMPLY WITH THE REQUIREMENTS OF THE CURRENT WORKPLACE HEALTH AND SAFETY ACT.
6. CONTRACTOR TO CONFIRM ALL CBR VALUES PRIOR TO COMMENCEMENT OF WORKS.
7. WHERE NEW WORKS ABUT EXISTING THE CONTRACTOR SHALL ENSURE THAT A SMOOTH EVEN PROFILE, FREE FROM ABRUPT CHANGES, IS OBTAINED.
8. THE CONTRACTOR SHALL ARRANGE ALL SURVEY SETOUT TO BE CARRIED OUT BY A REGISTERED SURVEYOR.
9. CARE IS TO BE TAKEN WHEN EXCAVATING NEAR EXISTING SERVICES. NO MECHANICAL EXCAVATIONS ARE TO BE UNDERTAKEN OVER COMMUNICATIONS OR ELECTRICAL SERVICES. HAND EXCAVATE IN THESE AREAS ONLY.
10. ALL TRENCH BACKFILL MATERIAL NOT IN PAVEMENTS SHALL BE COMPACTED TO THE SAME DENSITY AS THE ADJACENT MATERIAL.
11. UNLESS NOTED OTHERWISE IN CIVIL SPECIFICATION, ALL SERVICE TRENCHES UNDER VEHICULAR PAVEMENTS SHALL BE BACKFILLED WITH SAND TO 300mm ABOVE PIPE. WHERE PIPE IS UNDER PAVEMENTS BACKFILL REMAINDER OF TRENCH TO UNDERSIDE OF PAVEMENT WITH SAND OR APPROVED GRANULAR MATERIAL COMPACTED IN 150mm LAYERS TO MINIMUM 98% MODIFIED MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1. (OR A DENSITY INDEX OF NOT LESS THAN 75).
12. ON COMPLETION OF PIP INSTALLATION, ALL DISTURBED AREAS MUST BE RESTORED TO ORIGINAL, INCLUDING KERBS, FOOTPATHS, CONCRETE AREAS, GRAVEL AND GRASSED AREAS, AND ROAD PAVEMENTS.
13. TRENCHES THROUGH EXISTING ROAD AND CONCRETE PAVEMENTS SHALL BE SAWCUT TO THE FULL DEPTH OF CONCRETE AND MIN. 50mm IN BITUMINOUS PAVING.
14. MAKE SMOOTH TRANSITION TO EXISTING SERVICES AND MAKE GOOD.
15. THESE PLANS ARE TO BE READ IN CONJUNCTION WITH COUNCIL CONSTRUCTION SPECIFICATIONS AND APPROVED LANDSCAPE, ELECTRICAL AND TELECOMMUNICATION DRAWINGS AND SPECIFICATIONS.
16. WHERE NOTED ON THE DRAWINGS THAT WORKS ARE TO BE CARRIED BY OTHERS, (eg. ADJUSTMENT OF SERVICES), THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CO-ORDINATION OF THESE WORKS.
17. ON COMPLETION OF WORKS, ALL DISTURBED AREAS MUST BE RESTORED TO ORIGINAL INCLUDING, BUT NOT LIMITED TO, KERBS, FOOTPATHS, CONCRETE AREAS, GRASS AND LANDSCAPED AREAS.

SURVEY NOTES

1. THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS HAVE BEEN SHOWN AS PER THE TOPOGRAPHIC SURVEY RECEIVED ON 17/08/2021 PREPARED BY TOTAL SURVEYING SOLUTIONS (TSS), REFERENCE '210481', DATED 02/08/2021.
2. THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN. STANTEC DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE SURVEY BASE OR ITS SUITABILITY AS A BASIS FOR CONSTRUCTION DRAWINGS. SHOULD DISCREPANCIES BE ENCOUNTERED DURING CONSTRUCTION BETWEEN THE SURVEY DATA AND ACTUAL FIELD DATA, CONTACT STANTEC.
3. IF AN EXISTING SERVICES PLAN HAS BEEN SUPPLIED THIS DOES NOT TAKE PRECEDENCE OVER ORIGINAL SURVEY PLAN.
4. CONTRACTOR TO REVIEW ORIGINAL SURVEY PLAN AND NOTES. THIS INCLUDES REVIEW OF SUBSURFACE UTILITY CLASS INFORMATION

PROTECTION OF TREES

1. WHERE STORMWATER DRAINAGE IS LAID IN THE VICINITY OF TREES / CANOPIES OF TREES, THE WORKS ARE TO BE COMPLETED TO THE PROJECT ARBORISTS REQUIREMENTS.

TELSTRA - DUTY OF CARE NOTE

TELSTRA'S PLANS SHOW ONLY THE PRESENCE OF CABLES AND PLANT. THEY ONLY SHOW THEIR POSITION RELATIVE TO ROAD BOUNDARIES, PROPERTY FENCES ETC. AT THE TIME OF INSTALLATION AND TELSTRA DOES NOT WARRANT OR HOLD OUT THAT SUCH PLANS ARE ACCURATE THEREAFTER DUE TO CHANGES THAT MAY OCCUR OVER TIME. DO NOT ASSUME DEPTH OR ALIGNMENT OF CABLES OR PLANT AS THESE VARY SIGNIFICANTLY.
THE CONTRACTOR HAS A DUTY OF CARE WHEN EXCAVATING NEAR TELSTRA CABLES AND PLANT. BEFORE USING MACHINE EXCAVATORS TELSTRA PLANT MUST FIRST BE PHYSICALLY EXPOSED BY SOFT DIG POTHOLING TO IDENTIFY IT'S LOCATION TELSTRA WILL SEEK COMPENSATION FOR DAMAGES CAUSED TO IT'S PROPERTY AND LOSSES CAUSED TO TELSTRA AND IT'S CUSTOMERS.

EXISTING SERVICES

1. EXISTING SERVICES, WHERE SHOWN, HAVE BEEN PLOTTED FROM SUPPLIED DATA AND SUCH THEIR ACCURACY CAN NOT BE GUARANTEED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH THE LEVEL OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF WORK.
2. EXISTING SERVICES SHOWN ON THE PLANS ARE LOCATED APPROXIMATELY BASED ON INFORMATION SUPPLIED BY THE RELEVANT AUTHORITIES AND/OR SURVEY RECEIVED. STANTEC DOES NOT TAKE RESPONSIBILITY FOR THE SUITABILITY OR LOCATION/DEPTH OF THE EXISTING SERVICES.
3. STANTEC DOES NOT TAKE RESPONSIBILITY FOR ANY POSSIBLE DESIGN ADJUSTMENT OF ANY ADDITIONAL EXISTING SERVICES OR THE ASSOCIATED AUTHORITY NEGOTIATIONS AS A RESULT OF THE PROPOSED WORKS.
4. THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN. STANTEC DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE SURVEY BASE OR ITS SUITABILITY AS A BASIS FOR CONSTRUCTION DRAWINGS.
5. EXISTING BUILDINGS, EXTERNAL STRUCTURES AND TREES SHOWN ON THESE DRAWINGS ARE FEATURES EXISTING PRIOR TO ANY DEMOLITION WORKS.
6. THE CONTRACTOR SHALL UNDERTAKE POTHOLING AND/OR INVESTIGATION WORKS TO LOCATE ALL EXISTING SERVICES PRIOR TO COMMENCING WORKS. THIS INCLUDES CONFIRMING THE LOCATION AND DETAILS OF THE EXISTING SITE STORMWATER DISCHARGE.
7. ALL AREAS WITHIN THE EXTENT OF WORKS TO BE SCANNED FOR EXISTING UTILITY SERVICES AND LOCATIONS PRIOR TO CONSTRUCTION.
8. WHIST EVERY EFFORT HAS BEEN MADE TO AVOID CLASHES WITH EXISTING SERVICES, EXTENT AND QUALITY OF SUPPLIED DATA IS INSUFFICIENT FOR COMPLETE CLASH DETECTION ACCURACY. CONTRACTOR TO TAKE CARE WORKING AROUND EXISTING UTILITIES AND REPORT ANY POSSIBLE CLASHES BACK TO THE ENGINEER.
9. THE CONTRACTOR SHALL ALLOW FOR THE CAPPING OFF, EXCAVATION, REMOVAL AND DISPOSAL IF REQUIRED OF ALL EXISTING SERVICES IN AREAS AFFECTED BY WORKS WITHIN THE CONTRACT AREA, AS SHOWN ON THE DRAWINGS UNLESS DIRECTED OTHERWISE BY THE SUPERINTENDENT.
10. THE CONTRACTOR SHALL ENSURE THAT AT ALL TIMES SERVICES TO ALL BUILDINGS NOT AFFECTED BY THE WORKS ARE NOT DISRUPTED.
11. THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SERVICES TO MAINTAIN EXISTING SUPPLY TO BUILDINGS REMAINING IN OPERATION DURING WORKS TO THE SATISFACTION AND APPROVAL OF THE SERVICE AUTHORITY. ONCE DIVERSION IS COMPLETE AND COMMISSIONED, THE CONTRACTOR SHALL REMOVE ALL SUCH TEMPORARY SERVICES AND MAKE GOOD TO THE SATISFACTION OF THE RELEVANT SERVICE AUTHORITY.
12. PRIOR TO COMMENCEMENT OF ANY WORKS THE CONTRACTOR SHALL GAIN WRITTEN APPROVAL OF THEIR PROGRAMME FOR THE RELOCATION/CONSTRUCTION OF TEMPORARY SERVICES.
13. CLEARANCE AND COVER REQUIREMENTS SHALL BE OBTAINED FROM THE RELEVANT SERVICE AUTHORITY BEFORE COMMENCEMENT OF WORKS AND SHALL BE ADHERED TO AT ALL TIMES.

PROPOSED SERVICES NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH RELEVANT SERVICE AUTHORITY DOCUMENTATION AND CURRENT NSW STREETS OPENING CONFERENCE GUIDE TO CODES AND PRACTICES FOR STREETS OPENING LITERATURE.
2. THE CONTRACTOR SHALL ATTEND, MANAGE & SUPERVISE THE PROVISION OF PUBLIC UTILITY SERVICES TO THE WORKS GENERALLY AS INDICATED ON THE SERVICES PLANS, NOTING THAT PRIOR & DURING CONSTRUCTION THE PUBLIC UTILTITY AUTHORITIES WILL FINALISE THEIR DOCUMENTATION TO CONSTRUCTION ISSUE STANDARD.
3. THE CIVIL CONTRACTOR (TRENCH PROVIDER) IS TO ARRANGE ON SITE MEETING WITH ALL SERVICE AUTHORITIES PRIOR TO THE INSTALLATION OF CONDUITS.
4. THE CIVIL CONTRACTOR TO CO-ORDINATE INSTALLATION OF ELECTRICITY, GAS,TELECOMMUNICATION, WATER AND SEWER SERVICES.
5. ELECTRICITY, GAS AND TELECOMMUNICATION SERVICES ARE TO BE LAID FOLLOWING THE INSTALLATION OF STORMWATER, SEWER AND WATER SERVICES AND KERB AND GUTTER.
6. ALL UTILITY AUTHORITY REPRESENTATIVES TO INSPECT ROAD CROSSINGS PRIOR TO SEALING.
7. ALL ELECTRICAL ROAD CROSSINGS TO BE CLASS 6 (ORANGE) uPVC CONDUITS.
8. ALL GAS ROAD CROSSINGS TO BE uPVC GREY SEWER GRADE CONDUITS.
9. FOR ALL STREET POLES, REFER TO THE ELECTRICAL ENGINEER'S DOCUMENTATION. STREET POLES TO BE POSITIONED THE APPROPRIATE DISTANCE FROM FACE OF KERB TO FACE OF POLE ACCORDING TO THE CURRENT NSW STREETS OPENING CONFERENCE GUIDE TO CODES AND PRACTICES FOR STREETS OPENING LITERATURE. CONTRACTOR TO ALLOW TO EXCAVATE AND BACKFILL TRENCH GENERALLY IN ACCORDANCE WITH NOTE 2.
10. ALL SERVICE PIT COVERS AND MARKERS ARE TO BE LAID WHOLLY WITHIN THE CONCRETE FOOTPATH. CONTACT SUPERINTENDANT SHOULD DIFFICULTIES ARISE.
11. TELSTRA'S PLANS SHOW ONLY THE PRESENCE OF CABLES AND PLANT. THEY ONLY SHOW THEIR POSITION RELATIVE TO ROAD BOUNDARIES, PROPERTY FENCES ETC. AT THE TIME OF INSTALLATION AND TELSTRA DOES NOT WARRANT OR HOLD OUT THAT SUCH PLANS ARE ACCURATE THEREAFTER DUE TO CHANGES THAT MAY OCCUR OVER TIME. DO NOT ASSUME DEPTH OR ALIGNMENT OF CABLES OR PLANT AS THESE VARY SIGNIFICANTLY.
12. THE CONTRACTOR HAS A DUTY OF CARE WHEN EXCAVATING NEAR TELSTRA CABLES AND PLANT. BEFORE USING MACHINE EXCAVATORS TELSTRA PLANT MUST FIRST BE PHYSICALLY EXPOSED BY SOFT DIG POTHOLING TO IDENTIFY IT'S LOCATION TELSTRA WILL SEEK COMPENSATION FOR DAMAGES CAUSED TO IT'S PROPERTY AND LOSSES CAUSED TO TELSTRA AND IT'S CUSTOMERS.

BULK EARTHWORKS NOTES

1. REFER SPECIFICATIONS NOTES FOR EARTHWORKS GENERAL REQUIREMENTS.
2. CIVIL BULK EARTHWORKS ARE PROVIDED TO INFORM MASS MOVEMENT OF SOIL TO PROVIDE A SUBGRADE PLATFORM FOR BUILDINGS, ROADS AND OTHER STRUCTURES.
3. CIVIL BULK EARTHWORKS DOES NOT CONSIDER LATENT GEOTECHNICAL CONDITIONS ENCOUNTERED DURING CONSTRUCTION.
4. REFER TO THE STRUCTURAL ENGINEERS SPECIFICATION FOR EXCAVATION WORKS IN RELATION TO BUILDINGS / FOOTINGS,
5. STRIP EXISTING TOPSOIL IN CONSULTATION WITH THE GEOTECHNICAL ENGINEER / REPORT. FOR THE PURPOSES OF EARTHWORKS CALCULATIONS A TOPSOIL STRIPPING DEPTH OF 300mm HAS BEEN ASSUMED. GROUND SLAB DEPTH OF 350mm HAS BEEN ASSUMED WHERE REQUIRED.
6. NO ALLOWANCE HAS BEEN MADE FOR BULKING OR COMPACTION FACTORS. ALL VOLUMES DEPICTED ARE SOLID VOLUMES ONLY AND DO NOT REFLECT DETAILED EARTHWORKS.
7. BULK EARTHWORKS DRAWINGS ARE NOT TO BE USED FOR DETAILED EXCAVATION. NO ALLOWANCE HAS BEEN MADE FOR DETAILED EXCAVATION INCLUDING TANKS, FOOTINGS, RETAINING WALLS, EDGE THICKENINGS, BEAMS, STAIR AND LIFT CORES, PILING PLATFORMS, SERVICES TRENCHING AND DEEP SOIL ZONES.
8. THE CONTRACTOR SHALL USE FINAL SURFACE LEVELS AND TYPICAL PAVEMENT DETAILS FOR ACTUAL EARTHWORKS LEVELS.
9. BULK EARTHWORKS ARE BASED ON THE SETDOWN TO UNDERSIDE OF PAVEMENT BUILDUPS AS SPECIFIED FROM FINISHED SURFACE LEVELS.
10. BULK EARTHWORKS DOES NOT ALLOW FOR ANY UNSUITABLE MATERIAL FOUND ANYWHERE ON SITE.
11. EXCAVATED MATERIAL MAY BE USED AS STRUCTURAL FILL PROVIDED:-
    - 11.1. IT COMPLIES WITH THE THE SPECIFICATION REQUIREMENTS FOR FILL MATERIAL.
    - 11.2. THE PLACEMENT MOISTURE CONTENT COMPLIES WITH THE GEOTECHNICAL CONSULTANTS REQUIREMENTS, AND ALLOWS FILLING TO BE PLACE AND PROOF ROLLED IN ACCORDANCE WITH THE SPECIFICATION. ALSO REFER TO THE SALINITY MANAGEMENT PLAN AND FILL IMPORT PLAN FOR FURTHER DETAILS.

RETAINING WALL NOTES

1. BASE MATERIAL SHALL BE COMPACTED TO MINIMUM 98% SMDD WITHIN 2% OF STANDARD OPTIMUM MOISTURE CONTENT (SMOC) DETERMINED BY THE STANDARD COMPACTION TEST IN ACCORDANCE WITH THE CURRENT AUSTRALIAN STANDARD AS 1289.5.1.1 MINIMUM ALLOWABLE BEARING PRESSURE OF 150kPa. GEOTECHNICAL ENGINEER EMPLOYED BY CONTRACTOR TO INSPECT AND CONFIRM.
2. DRAINAGE MATERIAL WITHIN AND IMMEDIATELY BEHIND THE WALL SHALL BE 12-20mm CLEAN AGGREGATE. DRAINAGE MATERIAL TO EXTEND A MINIMUM OF 300mm BEHIND THE RETAINING WALL. COMPACT THE DRAINAGE MATERIAL. ALTERNATIVELY, USE NO FINES CONCRETE AS FOLLOWS:-
    - 2.1. CONCRETE STRENGTH N15
    - 2.2. 210kg/m^3 PORTLAND CEMENT
    - 2.3. MAXIMUM AGGREGATE SIZE 20mm
    - 2.4. W/C RATIO 0.45 TO 0.55
    - 2.5. DENSITY 1600 TO 2000kg/m^3
3. INFILL SOIL SHALL BE CLASS 1 CONTROLLED FILL TO AS 4678, OR AS SPECIFIED ON THE DRAWINGS. UNSUITABLE SOILS, SUCH AS HEAVY CLAYS OR ORGANIC SOILS WITH HIGH PLASTICITY, SHALL NOT BE USED IN THE REINFORCED SOIL MASS.
4. SPREAD BACKFILL IN UNIFORM LIFTS OF 200mm UNCOMPACTED THICKNESS. COMPACT TO 95% SMDD. COMPACTION WITHIN 1.0m BEHIND THE WALL SHALL BE ACCOMPLISHED USING A HAND-OPERATED PLATE COMPACTOR AND SHALL BEGIN BY RUNNING THE PLATE DIRECTLY ON THE BLOCK, THEN COMPACTING IN PARALLEL PATHS, PROGRESSIVELY AWAY FROM THE WALL FACE.
5. WHERE ROADWAYS OR BUILDING STRUCTURES ARE LOCATED ABOVE THE REINFORCED ZONE, COMPACT TO 98% SMDD WITHIN 2% OF SMOC DETERMINED BY THE STANDARD COMPACTION TEST IN ACCORDANCE WITH AS 1289.5.1.1. COMPACTION TESTING SHALL BE TAKEN 1.2m BEHIND THE WALL.

DEMOLITION NOTES

1. ALL DEMOLISHED SWALES AND OPEN DRAINS TO BE STRIPPED AND INFILLED WITH SELECT FILL COMPACTED IN 300mm THICK LAYERS.
2. ALL DEMOLISHED PAVEMENTS TO BE REMOVED DOWN TO SUBGRADE LEVEL. BUILD BACK UP TO FINISHED SURFACE WITH SELECT FILL COMPACTED IN 200mm THICK LAYERS TO CIVIL SPECIFICATION.
3. ALL DISTURBED AREAS SHALL BE FINISHED WITH TOPSOIL AND DURABLE DRYLAND GRASS IN ACCORDANCE WITH LANDSCAPE ARCHITECTS SPECIFICATION.
4. ALL BUILDING DEMOLITION WORKS SHALL INCLUDE SEQUENCING, DISCONNECTION AND DEMOLITION OF ALL ASSOCIATED BUILDING SERVICES.
5. PRIOR TO REMOVAL OF TREES AND VEGETATION, TRADE CONTRACTOR SHALL SEEK ALL RELEVANT APPROVALS FROM THE MANAGING CONTRACTOR.
6. ALL DEMOLISHED MATERIALS TO BE DISPOSED OFF SITE AT AN APPROVED WASTE COLLECTION AND PROCESSING FACILITY (UNLESS OTHERWISE DIRECTED IN WRITING BY THE MANAGING CONTRACTOR).
7. REFER TO THE RELEVANT ENGINEERING DRAWINGS FOR TREATMENT, DIVERSION AND DEMOLITION OF EXISTING SERVICES AFFECTED BY THE WORKS, INCLUDING BUT NOT LIMITED TO ELECTRICAL, COMMUNICATIONS, HYDRAULIC SERVICES
8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ANY PRIOR APPROVAL REQUIRED FROM COUNCIL WITH RESPECT TO POTENTIAL IMPACT ON TREES FOR ANY WORKS SHOWN ON THE DRAWINGS PRIOR TO THE COMMENCEMENT OF THOSE WORKS.

STORMWATER DRAINAGE NOTES

1. ON COMPLETION OF STORMWATER INSTALLATION, ALL DISTURBED AREAS MUST BE RESTORED TO ORIGINAL CONDITION, INCLUDING KERBS, FOOTPATHS, CONCRETE AREAS, GRAVEL AND GRASSED AREAS AND ROAD PAVEMENTS, UNLESS DIRECTED OTHERWISE.
2. THE CONTRACTOR IS TO EXERCISE DUE CARE AND ATTENTIION DURING PIPE INSTALLATION ENSURING PIPES ARE NOT DAMAGES DURING CONSTRUCTION AND CONSTRUCTION TRAFFIC DOES NOT EXCEED THE LOAD SPECIFIED FOR THE PIPE PROPOSED. IF THE PROPOSED PIPE CLASS WILL NOT WITHSTAND THE CONSTRUCTION LOAD, THE CONTRACTOR IS TO UPGRADE PIPE CLASSES TO SUIT AT NO COST TO THE PRINCIPAL.
3. PIPES 300 DIA. AND LARGER TO BE REINFORCED CONCRETE CLASS '3' APPROVED SPIGOT AND SOCKET WITH RUBBER RING JOINTS. U.N.O.
4. PIPES LESS THAN OR EQUAL TO 225 DIA. SHALL BE uPVC DWV GRADE CLASS SN8 IN ACCORDANCE WITH AS/NZS 1260:2009-PVC-U PIPES AND FITTINGS FOR DRAIN, WASTE AND VENT APPLICATION WITH SOLVENT WELDED JOINTS.

STORMWATER DRAINAGE NOTES

5. PIT COVER LEVELS TO MATCH SURROUNDING FINISHED LEVELS. DESIGN FINISHED SURFACE LEVELS OF STRUCTURES ARE FOR THE CONTRACTORS GUIDANCE ONLY. ACTUAL FINISHED LEVELS SHALL BE SET OUT AS DIRECTED ON SITE IN KEEPING WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE LOCAL AUTHORITY AND ACTUAL FINISHED GROUND LEVELS.
6. STORMWATER PIT COVERS FOR JUNCTION AND GRATED PITS TO COMPLY WITH AS 3996 FOR:

LOAD CLASS	TYPICAL USE
CLASS A	INTERNAL PEDESTRIAN PRECINCTS ONLY. NO VEHICULAR TRAFFIC
CLASS B	EXTERNAL AREAS INCLUDING FOOTPATHS, FOOTWAYS AND LIGHT VEHICULAR TRAFFIC ONLY
CLASS D	CARS, TRUCKS (HIGHWAY TRAFFIC) AND COMMERCIAL VEHICULAR TRAFFIC
CLASS E	HEAVY DUTY FORKLIFTS AND EARTHMOVING EQUIPMENT

7. REFER TO TABLE BELOW FOR MINIMUM PIT DIMENSIONS (AS 3500.3 TABLE 7.5.2.1):

DEPTH TO INVERT	WIDTH	LENGTH
LESS THAN 600mm	450mm	450mm
FROM 600mm TO 900mm	600mm	600mm
FROM 900mm TO 1200mm	600mm	900mm
MORE THAN 1200mm	900mm	900mm

8. ALL INTERNAL WORKS WITHIN PROPERTY BOUNDARIES ARE TO COMPLY WITH THE REQUIREMENTS OF AS 3500 3.1 (2006) AND AS/NZS 3500 3.2 (2010).
9. PRECAST PITS MAY BE USED EXTERNAL TO THE BUILDING SUBJECT TO APPROVAL BY STANTEC AUSTRALIA.
10. ENLARGERS, CONNECTIONS AND JUNCTIONS TO BE PREFABRICATED FITTINGS WHERE PIPES ARE LESS THAN 300 DIA.
11. PIPES FOR SUBSOIL DRAINS SHALL BE SLOTTED 100mm DIA. CLASS 1000 WRAPPED IN GEOFABRIC, UNO, COMPLYING WITH THE REQUIREMENTS OF AS2439. ALL SUBSOIL PIPES SHALL BE FACTORY SLOTTED HDPE, MIN. 100mm DIA. CLASS SN8, SIMILAR OR EQUAL TO VINIDEX DRAINCOIL, CERTIFIED uPVC, IN ACCORDANCE WITH AS1260, AS2032 (PIPE) & AS3789 (JOINTING) INSTALLED ON GEOTEXTILE FABRIC WITH 150mm SURROUND OF 25mm BLUE METAL AGGREGATE, UNO. WHERE SUBSOIL DRAINS PASS UNDER FLOOR SLABS AND PAVEMENTS, UNSLOTTED uPVC DWV GRADE CLASS SN8 SEWER GRADE PIPE IS TO BE USED.
12. CARE IS TO BE TAKEN WITH LEVELS OF STORMWATER LINES. GRADES SHOWN ARE NOT TO BE REDUCED WITHOUT APPROVAL.
13. AT ALL TIMES DURING CONSTRUCTION OF STORMWATER PITS, ADEQUATE SAFETY PROCEDURES SHALL BE TAKEN TO ENSURE AGAINST THE POSSIBILITY OF PERSONNEL FALLING DOWN PITS.
14. ALL EXISTING STORMWATER DRAINAGE LINES AND PITS THAT ARE TO REMAIN ARE TO BE INSPECTED AND CLEANED. DURING THIS PROCESS ANY PART OF THE STORMWATER DRAINAGE SYSTEM THAT WARRANTS REPAIR SHALL BE REPORTED TO THE SUPERINTENDENT/ENGINEER FOR FURTHER DIRECTIONS. CCTV SHALL BE UNDERTAKEN OF EXISTING PIPES WHERE NECESSARY TO CONFIRM THEIR ADEQUACY PRIOR TO AND FOLLOWING CONSTRUCTION.
15. THE CONTRACTOR IS TO ORGANISE AND STAGE CONSTRUCTION WORK AND UNDERTAKE ANY DIVERSION WORKS TO ENSURE THE EXISTING DRAINAGE IS ABLE TO CONVEY ALL STORMWATER FLOWS THAT MAY OCCUR DURING THE PERIOD OF THE CONSTRUCTION WORKS.
16. ANY DAMAGE TO THE WORKS DUE TO STORMWATER FLOWS OR FLOODING DURING THE CONSTRUCTION PERIOD IS AT THE CONTRACTOR'S RISK.
17. SETOUT POINTS FOR STORMWATER STRUCTURES ARE AS INDICATED IN THE DRAWINGS UNLESS OTHERWISE NOTED.
18. ALL PAVED SURFACE LEVELS AND GRADES TO BE COORDINATED WITH GULLY PIT LEVELS TO ENSURE NO UNDRAINED AREAS OCCUR.
19. THE SIDES OF ALL PIPE TRENCH EXCAVATIONS DEEPER THAN 1.0m SHALL BE FULLY SUPPORTED AT ALL TIMES AND HAVE APPROPRIATE EDGE PROTECTION.
20. ALL NEW PIPES TO BE LAID IN AN UPSTREAM DIRECTION. THE LINE, LEVEL AND LOCATION OF EXISTING SERVICES CROSSING THE LINE OF THE PROPOSED STORMWATER PIPE SHALL BE DETERMINED BY EXCAVATION PRIOR TO THE LAYING OF THE PIPE. IF CONFLICT IS APPARENT, THE ENGINEER SHALL BE NOTIFIED AND INSTRUCTIONS AS TO WHETHER THE EXISTING SERVICE IS TO BE ADJUSTED OR THE PROPOSED PIPE INVERT ALTERED WILL BE ISSUED.
21. PIPE BEDDING, HAUNCH AND BACKFILL TO BE AS SHOWN ON THE CIVIL DETAILS DRAWINGS AND THE CIVIL SPECIFICATION. WHERE TRENCHES ARE IN ROCK, THE PIPE SHALL BE BEDDED ON A MIN. 50mm CONCRETE BED OR 75mm THICK BED OF 12mm BLUE METAL UNDER THE BARREL OF THE PIPE. THE PIPE COLLAR AT NO POINT SHALL BEAR ON THE ROCK.
22. SUBSOIL DRAINAGE PIPES TO BE SLOTTED PIPE AND FILTER SOCK CLASS 1000 TO AS2439 PART 1 LAID AT PREFERABLE MINIMUM GRADE 1 IN 100 OR ABSOLUTE MINIMUM 1 IN 200 WHERE LIMITED BY OUTFALL LEVELS.
23. 100mm DIA. SUBSOIL DRAINAGE SHALL BE PROVIDED IN THE FOLLOWING LOCATIONS AND CONNECTED TO THE SITE STORMWATER DRAINAGE SYSTEM, UNO.:-
    - 23.1. UNDER KERBS AND ADJACENT TO ALL PAVEMENTS
    - 23.2. AT THE BASE OF THE HIGH SIDE OF ALL RETAINING WALLS
    - 23.3. AROUND THE BUILDING SLAB FOOTPRINT
    - 23.4. AROUND ALL STORMWATER PITS
24. EQUIVALENT STRENGTH REINFORCED CONCRETE OR FIBROUS REINFORCED CONCRETE PIPES MAY BE USED SUBJECT TO APPROVAL BY THE SUPERINTENDENT.
25. CONTRACTOR IS TO ENSURE THAT ALL DRAINAGE STRUCTURES ARE ADEQUATELY REINFORCED AND SHALL PROVIDE DESIGN CERTIFICATION FOR ALL REINFORCED CONCRETE LIDS.
26. ALL STORMWATER DRAINAGE LINES UNDER PROPOSED BUILDING SLABS TO BE uPVC PRESSURE PIPE GRADE 6. ENSURE ALL VERTICALS AND DOWNPIPES ARE uPVC PRESSURE PIPE, GRADE 6 FOR A MIN OF 3.0m IN HEIGHT.
27. PIPES TO BE INSTALLED TO TYPE H2 (NOT UNDER ROADWAYS) OR TYPE HS2 (UNDER ROADWAYS) SUPPORT IN ACCORDANCE WITH AS 3725 (2007). IN ALL CASES BACKFILL TRENCH WITH SAND TO 300mm ABOVE PIPE. WHERE PIPE IS UNDER PAVEMENTS BACKFILL REMAINDER OF TRENCH TO UNDERSIDE OF PAVEMENT WITH SAND OR APPROVED GRANULAR MATERIAL COMPACTED IN 150mm LAYERS TO MINIMUM 98% STANDARD MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1. (OR A DENSITY INDEX OF NOT LESS THAN 75)
28. STORMWATER STRUCTURES ARE TO BE CONSTRUCTED PERPENDICULAR TO THE INCOMING PIPEWORK UNLESS OTHERWISE NOTED.
29. PRECAST COMPONENTS SHALL BE CONNECTED BY MEANS OF EPOXY OR CHEMICAL GROUTED BARS OF THE SAME DIAMETER AND SPACING AS THE SMALLER BARS IN THE RESPECTIVE COMPONENTS.
25. PRE-CAST PITS MUST HAVE LIFTING ANCHORS.
26. WORKING LOADS ARE THOSE DUE TO FILL MATERIAL AND STANDARD HIGHWAY VEHICLES AS PER AS3725. CONSTRUCTION LOADS HAVE NOT BEEN ALLOWED FOR.
27. ALL EXPOSED EDGES ON STORMWATER PITS TO BE ROUNDED TO 5mm RAD. UNO.
28. ALL MILD STEEL FIXTURES INCLUDING GRATES, FRAMES, STEP IRONS, LADDERS, ETC., SHALL BE HOT DIP GALVANISED. GALVANISING SHALL COMPLY WITH THE REQUIREMENTS OF AS1214 OR AS1650, AS APPROPRIATE.
29. 29. ALL CONNECTIONS TO EXISTING DRAINAGE PITS SHALL BE MADE IN A TRADESMAN-LIKE MANNER AND THE INTERNAL WALL OF THE PIT AT THE POINT OF ENTRY SHALL BE CEMENT RENDERED TO ENSURE A SMOOTH FINISH.

STORMWATER DRAINAGE NOTES

28. PITS DEEPER THAN 1200mm SHALL HAVE ACCESS LADDERS OR STEP IRONS INSTALLED AND SHALL BE IN ACCORDANCE WITH THE LOCAL OR STATUTORY REQUIREMENTS.
29. WHERE A PIT IS IDENTIFIED AS A CONFINED SPACE, PIT COVERS SHALL BE PROVIDED WITH STANDARD CONFINED SPACE SIGNAGE.
30. CAPPED FLUSHING POINTS MUST BE PROVIDED FOR ALL SUBSOIL AND SEEPAGE DRAINAGE SYSTEMS AT THE END OF EACH PIPE, AT MAX. 30m SPACING AND AT CHANGES IN DIRECTION.
31. THE CONTRACTOR SHALL OBTAIN A ROAD OPENING PERMIT FOR ANY WORKS WITHIN THE PUBLIC ROAD RESERVE AND COMPLY WITH ALL AUTHORITY REQUIREMENTS.
32. PIPES SHALL BE TRUE TO GRADES SHOWN AND ALIGNED SO THAT THE CENTRES OF THE INLET PIPES INTERSECT WITH THE CENTRE OF THE OUTLET PIPE AT THE DOWNSTREAM FACE OF THE PIT.
33. MINIMUM GRADES FOR GRAVITY STORMWATER DRAINAGE SHALL CONFORM TO AS 3500 PART 3 AS FOLLOWS, UNO:-
    - 33.1. 1% FOR 100mm AND 150mm DIA. PIPES
    - 33.2. 0.5% FOR 225mm DIA. PIPES
    - 33.3. 0.4% FOR 300mm DIA. PIPES
    - 33.4. 0.33% FOR 375mm DIA. PIPES
34. MINIMUM DEPTH OF COVER SHALL BE AS FOLLOWS, UNO:-
    - 34.1. 300mm IN PRIVATE PROPERTY (NON-VEHICULAR TRAFFIC)
    - 34.2. 450mm IN PUBLIC AREAS
    - 34.3. 600mm IN VEHICULAR TRAFFICABLE AREAS (FOOTWAY/ROADWAYS)
35. BED ALL PIPES FIRMLY AND EVENLY ONTO IMPORTED BEDDING FILL MATERIAL.
36. LAY AND JOINT ALL PIPES IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION AND
    AS 3725 BURIED FLEXIBLE PIPELINES
    AS 2566 LOADS ON BURIED FLEXIBLE PIPELINES
    AS 1597.2 PRECAST REINFORCED CONCRETE BOX CULVERTS
    AS 3500 NATIONAL PLUMBING AND DRAINAGE CODE
    SYDNEY WATER REQUIREMENTS (WHERE APPLICABLE)
37. ALLOW TO TEST ALL PIPES AND PITS TO MANUFACTURERS REQUIREMENTS.

EROSION AND SEDIMENT CONTROL NOTES

GENERAL INSTRUCTIONS

1. THE SITE SUPERINTENDENT/ENGINEER WILL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE LOCATED AS DOCUMENTED.
2. ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH
    - 2.1. LOCAL AUTHORITY REQUIREMENTS
    - 2.2. EPA REQUIREMENTS
    - 2.3. NSW DEPARTMENT OF HOUSING MANUAL "MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION", 4th EDITION, MARCH 2004.
3. MAINTAIN THE EROSION CONTROL DEVICES TO THE SATISFACTION OF THE SUPERINTENDENT AND THE LOCAL AUTHORITY.
4. WHEN STORMWATER PITS ARE CONSTRUCTED, PREVENT SITE RUNOFF ENTERING UNLESS SEDIMENT FENCES ARE ERECTED AROUND PITS.
5. CONTRACTOR IS TO ENSURE ALL EROSION & SEDIMENT CONTROL DEVICES ARE MAINTAINED IN GOOD WORKING ORDER AND OPERATE EFFECTIVELY. REPAIRS AND OR MAINTENANCE SHALL BE UNDERTAKEN AS REQUIRED, PARTICULARLY FOLLOWING STORM EVENTS.

LAND DISTURBANCE

6. WHERE PRACTICAL, THE SOIL EROSION HAZARD ON THE SITE WILL BE KEPT AS LOW AS POSSIBLE. TO THIS END, WORKS SHOULD BE UNDERTAKEN IN THE FOLLOWING SEQUENCE:
    - 6.1. INSTALL A SEDIMENT FENCE ALONG THE BOUNDARIES AS SHOWN ON PLAN. REFER DETAIL.
    - 6.2. CONSTRUCT STABILISED CONSTRUCTION ENTRANCE TO LOCATION AS DETERMINED BY SUPERINTENDENT/ENGINEER. REFER DETAIL.
    - 6.3. INSTALL SEDIMENT BASIN AS SHOWN ON PLAN
    - 6.4. INSTALL SEDIMENT TRAPS AS SHOWN ON PLAN.
7. UNDERTAKE SITE DEVELOPMENT WORKS IN ACCORDANCE WITH THE ENGINEERING PLANS. WHERE POSSIBLE, PHASE DEVELOPMENT SO THAT LAND DISTURBANCE IS CONFINED TO AREAS OF WORKABLE SIZE.

EROSION CONTROL

8. DURING WINDY WEATHER, LARGE, UNPROTECTED AREAS WILL BE KEPT MOIST (NOT WET) BY SPRINKLING WITH WATER TO KEEP DUST UNDER CONTROL.
9. FINAL SITE LANDSCAPING WILL BE UNDERTAKEN AS SOON AS POSSIBLE AND WITHIN 20 WORKING DAYS FROM COMPLETION OF CONSTRUCTION ACTIVITIES.

SEDIMENT CONTROL

10. STOCKPILES WILL NOT BE LOCATED WITHIN 2 METRES OF HAZARD AREAS, INCLUDING LIKELY AREAS OF CONCENTRATED OR HIGH VELOCITY FLOWS SUCH AS WATERWAYS. WHERE THEY ARE BETWEEN 2 AND 5 METRES FROM SUCH AREAS, SPECIAL SEDIMENT CONTROL MEASURES SHOULD BE TAKEN TO MINIMISE POSSIBLE POLLUTION TO DOWNSLOPE WATERS, E.G. THROUGH INSTALLATION OF SEDIMENT FENCING.
11. ANY SAND USED IN THE CONCRETE CURING PROCESS (SPREAD OVER THE SURFACE) WILL BE REMOVED AS SOON AS POSSIBLE AND WITHIN 10 WORKING DAYS FROM PLACEMENT.
12. WATER WILL BE PREVENTED FROM ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS IT IS RELATIVELY SEDIMENT FREE, I.E. THE CATCHMENT AREA HAS BEEN PERMANENTLY LANDSCAPED AND/OR ANY LIKELY SEDIMENT HAS BEEN FILTERED THROUGH AN APPROVED STRUCTURE.
13. TEMPORARY SOIL AND WATER MANAGEMENT STRUCTURES WILL BE REMOVED ONLY AFTER THE LANDS THEY ARE PROTECTING ARE REHABILITATED.

OTHER MATTERS

13. ACCEPTABLE RECEPTORS WILL BE PROVIDED FOR CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHT-WEIGHT WASTE MATERIALS AND LITTER.
14. ANY EXISTING TREES WHICH FORM PART OF THE FINAL LANDSCAPING PLAN WILL BE PROTECTED FROM CONSTRUCTION ACTIVITIES BY:
    - 14.1. PROTECTING THEM WITH BARRIER FENCING OR SIMILAR MATERIALS INSTALLED OUTSIDE THE DRIP LINE
    - 14.2. ENSURING THAT NOTHING IS NAILED TO THEM
    - 14.3. PROHIBITING PAVING, GRADING, SEDIMENT WASH OR PLACING OF STOCKPILES WITHIN THE DRIP LINE EXCEPT UNDER THE FOLLOWING CONDITIONS.
    - 14.4. ENCROACHMENT ONLY OCCURS ON ONE SIDE AND NO CLOSER TO THE TRUNK THAN EITHER 1.5 METRES OR HALF THE DISTANCE BETWEEN THE OUTER EDGE OF THE DRIP LINE AND THE TRUNK, WHICH EVER IS THE GREATER
    - 14.5. A DRAINAGE SYSTEM THAT ALLOWS AIR AND WATER TO CIRCULATE THROUGH THE ROOT ZONE (E.G. A GRAVEL BED) IS PLACED UNDER ALL FILL LAYERS OF MORE THAN 300 MILLIMETRES DEPTH
    - 14.6. CARE IS TAKEN NOT TO CUT ROOTS UNNECESSARILY NOR TO COMPACT THE SOIL AROUND THEM.

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Issued/Revision		By	Appd	YYYY.MM.DD
E	RE-ISSUE FOR S.456 APPROVAL	LPT	MDR	2023.05.26
D	ISSUE FOR S4.56 APPROVAL	LPT	MDR	2023.05.19
C	DRAFT ISSUED FOR S4.56 APPROVAL	LPT	MDR	2023.05.12
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File Name	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD
301350227-CI-DA-007-01.DWG	CPO	MDR	RET	2022.07.01

Issue Status

APPROVAL

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HOME

PRECINCT 75

Title
GENERAL NOTES
SHEET 1

Project No. 301350227
Scale -
Revision E
Drawing No. **CI-DA-007-01**

Plotted: 26/05/2023 4:33:09 PM By: DIAZ RUNDIE, MELISSA
U:\301350227\PROJECT DOCUMENTATION\CIVIL\DRAWINGS & DESIGN\SHEET SET\DA SUBMISSION

ORIGINAL SHEET - ISO A1 COORD - MGA/94-Zone 56 DATUM - mAHD

ASPHALTIC CONCRETE NOTES

1. GENERAL
   - 1.1. MINERAL AGGREGATED SHALL COMPLY WITH AUSTRALIAN STANDARDS
   - 1.2. MINERAL FILLER SHALL COMPPLY WITH AS 2357 MINERAL FILLERS OR ASPHALT
   - 1.3. BITUMEN BINDER SHALL COMPLY WITH AS 2008.
2. MIX PROPORTIONS
   - 2.1. JOB MIX - 10mm NOMINAL SIZE AGGREGATE. MINIMUM BITUMEN CONTENT BY MASS OF TOTAL MASS - 5.1%
   - 2.2. MIX STABILITY SHALL BE BETWEEN 16kN AND 36kN AS DETERMINED BY AS 2891
   - 2.3. AIR VOIDS IN COMPACTED MIX SHALL BE BETWEEN 4% AND 7% OF THE TOTAL VOLUME OF THE MIX
   - 2.4. VOIDS FILLED IN BINDER - BETWEEN 65% AND 80% OF AIR VOIDS IN THE TOTAL MINERAL AGGREGATE FILLED BY BINDER IN ACCORDANCE WITH AUSTRALIAN STANDARDS
3. PAVEMENT PREPARATION
   - 3.1. THE EXISTING SURFACE TO BE SEALED SHALL BE DRY AND BROOMED BEFORE COMMENCEMENT OF WORK TO ENSURE COMPLETE REMOVAL OF ALL SUPERFICIAL AND FOREIGN MATTER
   - 3.2. ALL DEPRESSIONS OR UNEVEN AREAS ARE TO BE TACK-COATED AND BROUGHT UP TO THE GENERAL LEVEL OR PAVEMENT WITH ASPHALTIC CONCRETE BEFORE LAYING THE MAIN COURSE
4. TACK COATING
   - 4.1. THE WHOLE AREA TO BE SHEETED WITH ASPHALTIC CONCRETE SHALL BE LIGHTLY AND EVENLY COASTED WITH RAPID SETTING BITUMEN COMPLYING WITH AUSTRALIAN STANDARDS. APPLICATION RATE FOR RESIDUAL BITUMEN SHALL BE 0.15 TO 0.3L/m^2. APPLICATION SHALL BE BY MEANS OF A MECHANICAL SPRAYER WITH A SPRAY BAR.
5. SPREADING
   - 5.1. ALL ASPHALTIC CONCRETE SHALL BE SPREAD WITH A SELF-PROPELLING PAVING MACHINE
   - 5.2. THE ASPHALTIC CONCRETE SHALL BE LAID AT A MIX TEMPERATURE AS SPECIFIED BELOW:-

ROAD SURFACE TEMPERATURE IN SHADE (°C)	MIX TEMPERATURES (°C)
5 - 10	NOT PERMITTED
10 - 15	150
15 - 25	145
OVER 25	140

   - 5.3 ASPHALTIC CONCRETE SHALL NOT BE LAID WHEN THE ROAD SURFACE IS WET OR WHEN COLD WINDS CHILL THE MIX, ADVERSELY AFFECTING SPREADING AND COMPACTION
   - 5.4 THE MINIMUM COMPACTED THICKNESS IS 30mm OVER EXISTING SEALED PAVEMENTS AND 50mm OVER NEW PAVEMENTS
6. JOINTS
   - 6.1. THE NUMBER OF JOINTS BOTH LONGITUDINAL AND TRANSVERSE SHALL BE KEPT TO A MINIMUM
   - 6.2. THE DENSITY AND SURFACE FINISH AT JOINTS SHALL BE SIMILAR TO THOSE OF THE REST OF THE LAYER
7. COMPACTION
   - 7.1. ALL COMPACTION SHALL BE UNDERTAKEN USING SELF-PROPELLED ROLLERS
   - 7.2. INITIAL ROLLING SHALL BE COMPLETE BEFORE THE MIX TEMPERATURE FALLS BELOW 105°C
   - 7.3. SECONDARY ROLLING SHALL BE COMPLETED BEFORE THE MIX TEMPERATURE FALLS BELOW 60°C
   - 7.4. MINIMUM CHARACTERISTICS VALUE OF RELATIVE COMPACTION OF A LOT WHEN TESTED IN ACCORDANCE WITH AS 2150
8. FINISHED PAVEMENT PROPERTIES
   - 8.1. FINISHED SURFACES SHALL BE SMOOTH, DENSE AND TRUE TO SHAPE AND SHALL NOT VARY MORE THAN 10mm FROM THE SPECIFIED PLAN LEVEL AT ANY POINT AND SHALL NOT DEVIATE FROM THE BOTTOM OF A 3m STRAIGHT EDGE LAID IN ANY DIRECTION BY MORE THAN 5mm.
9. OTHER
   - 9.1. ASPHALTIC CONCRETE SHALL CONFORM TO RMS. SPECIFICATION R116.
   - 9.2. ALL BASECOURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH RMS. FORM 3051 (UNBOUND), RMS. FORM 3052 (BOUND) COMPACTED TO MINIMUM 98% MODIFIED DENSITY IN ACCORDANCE WITH AS 1289 5.2.1. FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m^3 BASECOURSE MATERIAL PLACED.
   - 9.3. ALL SUB-BASE COURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH RMS. FORM 3051, 3051.1 AND COMPACTED TO MINIMUM 95% MODIFIED DENSITY IN ACCORDANCE WITH A.S 1289 5.2.1. FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m^3 OF SUB-BASE COURSE MATERIAL PLACED.
   - 9.4. AS AN ALTERNATIVE TO THE USE OF IGNEOUS ROCK AS A SUB-BASE MATERIAL IN (9.2) A CERTIFIED RECYCLED CONCRETE MATERIAL COMPLYING WITH RMS. FORM 3051 AND 3051.1 WILL BE CONSIDERED. SUBJECT TO MATERIAL SAMPLES AND APPROPRIATE CERTIFICATIONS BEING PROVIDED TO THE SATISFACTION OF STANTEC.
   - 9.5. SHOULD THE CONTRACTOR WISH TO USE A RECYCLED PRODUCT THIS SHALL BE CLEARLY INDICATED IN THEIR TENDER AND THE PRICE DIFFERENCE BETWEEN AN IGNEOUS PRODUCT AND A RECYCLED PRODUCT SHALL BE CLEARLY INDICATED. THIS PRODUCT SHALL BE REVIEWED AND APPROVED BY THE ENGINEER.

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C	RE-ISSUE FOR S.456 APPROVAL	LPT	MDR	2023.05.26
B	ISSUE FOR S4.56 APPROVAL	LPT	MDR	2023.05.19
A	DRAFT ISSUED FOR S4.56 APPROVAL	LPT	MDR	2023.05.12
Issued/Revision		By	Appd	YYYY.MM.DD

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PRECINCT 75

Title
GENERAL NOTES
SHEET 2

Project No.	Scale
301350227	-
Revision: C	Drawing No.: **CI-DA-007-02**

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Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

ZONE 2

ZONE 1

EDITH STREET

EDITH STREET

EXISTING BUILDING 7

EXISTING BUILDING 6

PROPOSED BUILDING 8

PROPOSED BUILDING A

PROPOSED BUILDING B

JOINS SHEET CI-DA-520-01

JOINS SHEET CI-DA-520-02

JOINS SHEET CI-DA-520-02

JOINS SHEET CI-DA-520-01

JOINS SHEET CI-DA-520-01

ZONE 3

ZONE 4

EXISTING BUILDING 1

PROPOSED BUILDING C

JOINS SHEET CI-DA-520-04

JOINS SHEET CI-DA-520-03

EXISTING BUILDING 2

EXISTING 67 MARY STREET

MARY STREET

MARY STREET

1:300 3 0 3 6 9 12 15 A1

1:600 A3

ORIGINAL SHEET - ISO A1 COORD - MGA/P4-Zone 56 DATUM - mAHD

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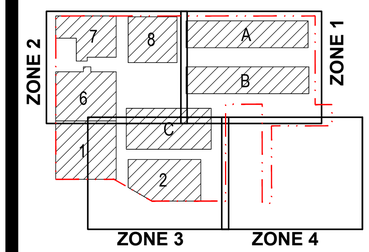

KEY PLAN

F	RE-ISSUE FOR S.456 APPROVAL	LPT	MDR	2023.05.26
E	ISSUE FOR S4.56 APPROVAL	LPT	MDR	2023.05.19
D	DRAFT ISSUED FOR S4.56 APPROVAL	LPT	MDR	2023.05.12
C	ISSUED FOR DA APPROVAL	LPT	MDR	2022.10.21
B	ISSUED FOR DA APPROVAL	JBC	RET	2022.07.06
A	DRAFT DA ISSUED FOR REVIEW	JBC	RET	2022.07.01
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PRECINCT 75

Title

KEY PLAN

Project No. 301350227

Scale 1:300

Revision F

Drawing No. **CI-DA-060-01**

EDITH STREET

EDITH STREET

MARY STREET

MARY STREET

PROVIDE KERB SEDIMENT TRAP AT SITE WORK EXTENT

PROVIDE SHAKER GRID DEVICE AT SITE ENTRANCE/EXIT

LOCATION OF TOPSOIL STOCKPILE TO BE CONFIRMED ON-SITE BY CONTRACTOR

MAINTAIN EXISTING OVERFLOW PATH DURING EARLY WORKS STAGES. ALIGN SITE FENCING AND SEDIMENT BARRIERS TO PERMIT OVERLAND FLOW THROUGH EXISTING CHANNEL

DURING SWALE WORKS, OVERLAND FLOW INTO A SINGLE SWALE.

PROVIDE SANDBAG PROTECTION AROUND ALL EXISTING/PROPOSED STORMWATER INLET STRUCTURES FOR PROTECTION AGAINST SEDIMENT AND DEBRIS

TEMPORARY SEDIMENT BASIN LOCATION. OVERLAND FLOW FROM ALL AREAS TO BE DIRECTED TO THE TEMPORARY SEDIMENT BASIN. SETTLEMENT AND TREATMENT PRIOR TO DISCHARGE FROM SITE TO BE UNDERTAKEN IN ACCORDANCE WITH:
- COUNCIL EROSION AND SEDIMENT CONTROL POLICY
- GEOTECHNICAL AND ENVIRONMENTAL ASSESSMENT

TOTAL VOLUME = 339m3
DEPTH = 1.5m

PUMP OUT WATER FROM SEDIMENT BASIN TO COUNCIL'S NETWORK. ALL PUMPED WATER TO MEET MEET COUNCIL'S WATER QUALITY REQUIREMENTS

PROVIDE SHAKER GRID DEVICE AT SITE ENTRANCE/EXIT

LOCATION OF TOPSOIL STOCKPILE TO BE CONFIRMED ON-SITE BY CONTRACTOR

SEDIMENT FENCE TO BE LOCATED AROUND SITE WHERE NECESSARY

LEGEND

- PROPOSED SITE BOUNDARY
- PROPOSED BASEMENT EXTENT
- EXISTING CONTOURS (18.0)
- VEHICLE SHAKEDOWN DEVICE
- PROPOSED SILT FENCE
- SANDBAG PIT PROTECTION
- SEDIMENT TRAP FOR KERB INLET PITS
- PROPOSED GRATED PIT
- PROPOSED JUNCTION PIT
- EXISTING STORMWATER PIT
- PROPOSED GRATED DRAIN
- OVERLAND FLOW PATH
- PROPOSED SEDIMENT BASIN
- PROPOSED STOCKPILE
- PROPOSED CATCH DRAIN
- EXISTING POWER LINE
- EXISTING GAS
- EXISTING COMMUNICATION LINE
- EXISTING WATER
- EXISTING SEWER
- EXISTING DRAINAGE

NOTES

1. REFER DRAWING CI-076-01 FOR EROSION AND SEDIMENT CONTROL DETAILS.
2. MINIMISE THE AREA OF SITE BEING DISTURBED AT ANY ONE TIME.
3. WORKS IN PROXIMITY OF EXISTING TREES TO BE CARRIED OUT IN ACCORDANCE WITH ARBORIST CONSULTANT ADVICE.
4. SEDIMENT AND EROSION CONTROL PLAN IS INDICATIVE ONLY.
5. REFER TO GEOTECHNICAL AND ENVIRONMENTAL REPORTS FOR THE SITE CONTAMINATION ASSESSMENT AND THEIR ADVICE.

1:300 3 0 3 6 9 12 15 A1
1:600 A3

ORIGINAL SHEET - ISO A1 COORD - MGA/P4-Zone 56 DATUM - mAHD

Plotted: 26/05/2023 4:31:33 PM By: DIAZ RUNDE, MELISSA
O:\301350227\PROJECT DOCUMENTATION\CIVIL\DRAWINGS & DESIGN SHEETS\DA SUBMISSION

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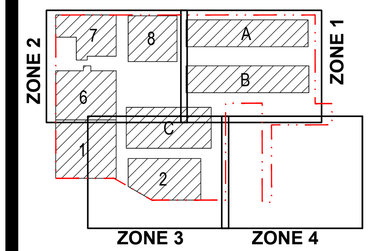

KEY PLAN

F	RE-ISSUE FOR S.456 APPROVAL	LPT	MDR	2023.05.26
E	ISSUE FOR S4.56 APPROVAL	LPT	MDR	2023.05.19
D	DRAFT ISSUED FOR S4.56 APPROVAL	LPT	MDR	2023.05.12
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Issued/Revision		By	Appd	YYYY.MM.DD

File Name: 301350227-CI-DA-070-01.DWG	CPO	MDR	RET	2022.07.01
	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Issue Status

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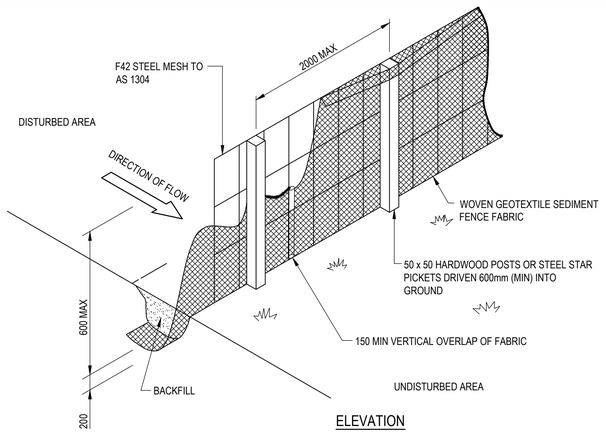
PRECINCT 75

Title
EROSION AND SEDIMENT CONTROL PLAN

Project No. 301350227
Scale 1:300
Revision F
Drawing No. **CI-DA-070-01**

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025



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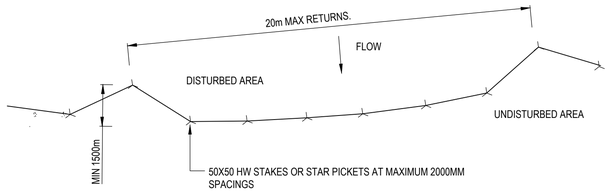
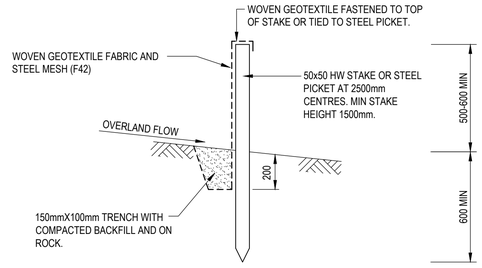


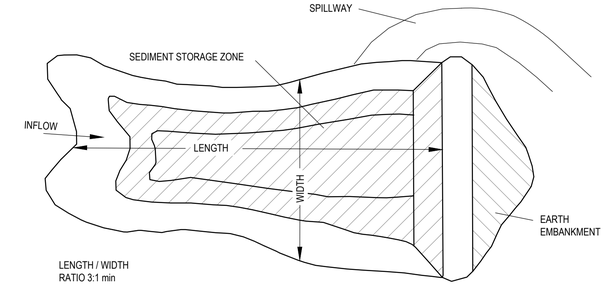
PLAN



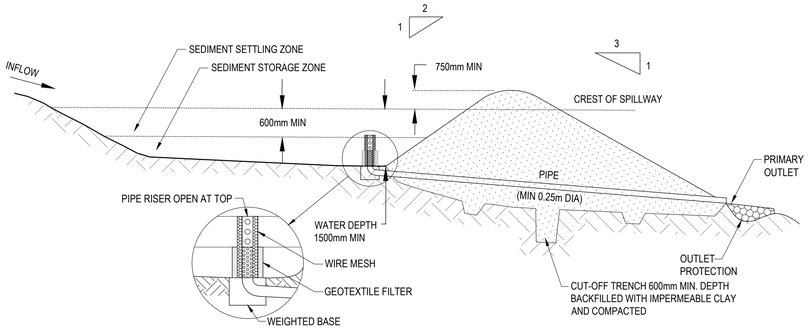
SECTION DETAIL

SEDIMENT FENCE DETAIL

SCALE N.T.S.



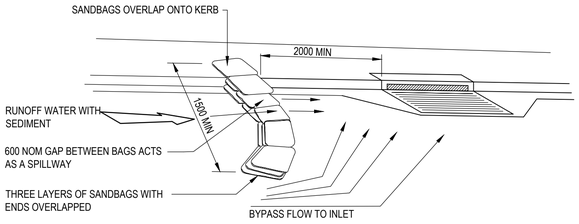
PLAN VIEW



CROSS-SECTION

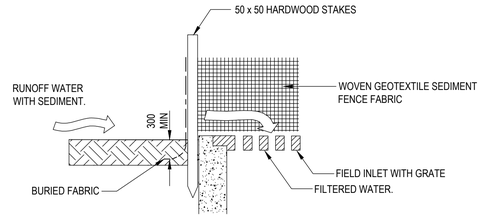
SEDIMENT BASIN DETAIL

SCALE N.T.S

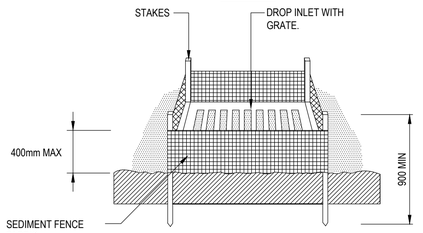


SANDBAG KERB INLET SEDIMENT TRAP

SCALE N.T.S.



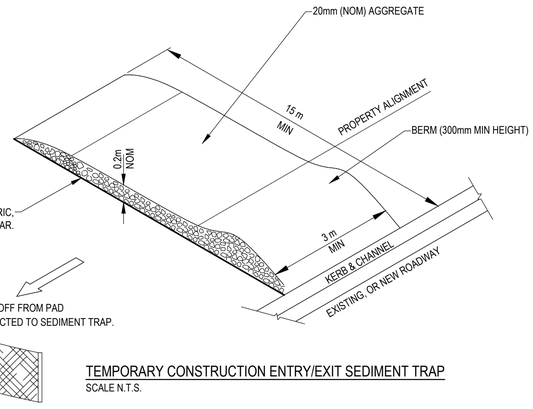
SECTION



ELEVATION

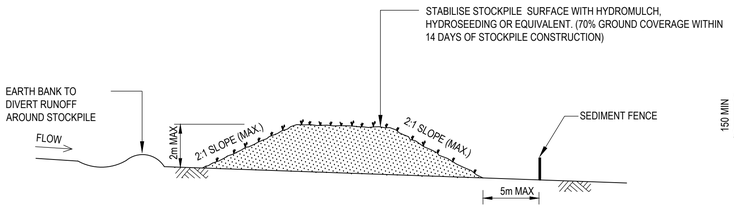
GEOTEXTILE FILTER FABRIC DROP INLET SEDIMENT TRAP

SCALE N.T.S.



TEMPORARY CONSTRUCTION ENTRY/EXIT SEDIMENT TRAP

SCALE N.T.S.

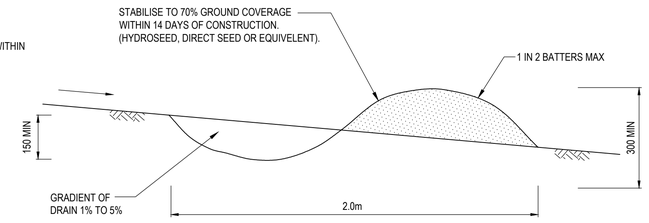


TYPICAL STOCKPILE CONFIGURATION

SCALE N.T.S.

NOTE:

1. LOCATE STOCKPILES AT TOP OF CATCHMENT ON FLAT GROUND AND NOT WITHIN 5m OF CONCENTRATED FLOW PATHS.

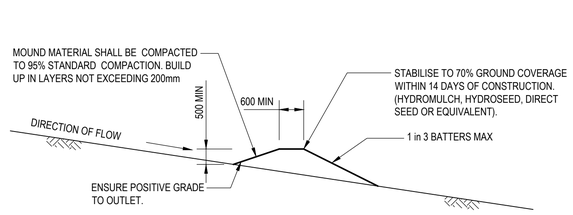


CATCH DRAIN / EARTH BANK DETAIL

SCALE N.T.S.

NOTES:

1. ONLY TO BE USED AS TEMPORARY BANK WHERE MAXIMUM UPSLOPE LENGTH IS 80 METRES.
2. BUILD DRAINS WITH CIRCULAR, PARABOLIC OR TRAPEZOIDAL CROSS SECTIONS RATHER THAN V SHAPED

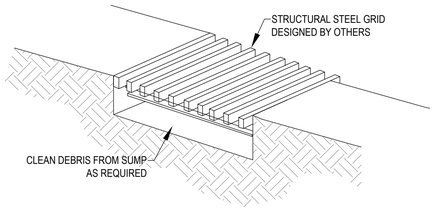


DIVERSION CHANNEL/ BANK DETAIL

SCALE: NTS

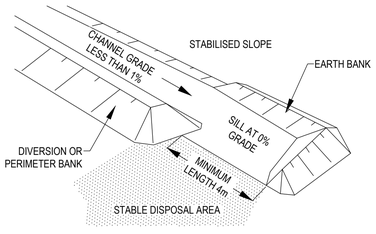
NOTES

1. THIS PLAN IS TO BE READ IN CONJUNCTION WITH OTHER ENGINEERING PLANS AND ANY WRITTEN INSTRUCTIONS THAT MAY BE ISSUED.
2. THE CONTRACTOR SHALL IMPLEMENT ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO DISTURBANCE OF THE RELATED CATCHMENT AREA AND TO THE STANDARD OF 'MANAGING URBAN STORMWATER, SOIL & CONSTRUCTION' & COUNCIL SPECIFICATIONS.
3. ALL SUBCONTRACTORS SHALL BE INFORMED OF THEIR RESPONSIBILITIES IN MINIMISING THE POTENTIAL FOR SOIL EROSION AND POLLUTION TO DOWN SLOPE AREAS.
4. THE LOCATION OF FENCES, SEDIMENT TRAPS AND OTHER DEVICES ARE INDICATIVE ONLY AND FINAL LOCATIONS ARE TO BE DECIDED ON SITE. VARIATIONS WILL BE PERMITTED TO BEST SUIT THE CIRCUMSTANCES. CONTRACTOR TO PREPARE DETAILED CONSTRUCTION SEDIMENT AND EROSION CONTROL PLAN.
5. ALL SOIL EROSION AND SEDIMENT CONTROL STRUCTURES SHALL BE INSPECTED FOLLOWING EACH STORM EVENT AND ANY NECESSARY MAINTENANCE WORK SHALL BE UNDERTAKEN TO ENSURE THEIR CONTINUED PROPER OPERATION. SEDIMENT SHALL BE REMOVED FROM THE SOIL EROSION & SEDIMENT CONTROL STRUCTURES WHEN
6. WHERE THE AREA TO BE DISTURB CONTAINS TREES TO REMAIN, AN ARBORIST CONSULTANT SHOULD PROVIDE ADVICE ON PROCEDURES AND MEASURES TO BE PLACED.
7. TEMPORARY REHABILITATION SHALL BE UNDERTAKEN WITHIN 14 WORKING DAYS BEFORE EITHER WORKS CONTINUE OR PERMANENT REHABILITATION IS UNDERTAKEN.
8. ALL SEDIMENT AND EROSION CONTROL MANAGEMENT MEASURES/DEVICES SHOWN ON THE PLANS SHALL BE IMPLEMENTED PRIOR TO CONSTRUCTION, AND MAINTAINED DURING AND AFTER.
9. REFER TO DRAWING CI-007-01 FOR FURTHER EROSION AND SEDIMENT CONTROL NOTES.



SHARKER PAD

SCALE N.T.S



LEVEL SPREADER (OR SILL)

SCALE N.T.S

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Issued/Revision		By	Appd	YYYY.MM.DD

File Name: 301350227-CI-DA-076-01.DWG	CPO	MDR	RET	2022.07.01
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PRECINCT 75

Title
EROSION AND SEDIMENT CONTROL DETAILS

Project No.
301350227

Scale
N.T.S.

Revision
E

Drawing No.
CI-DA-076-01

Plotted: 26/05/2023 4:33:41 PM By: DIVA.RHONE, MEGIRA
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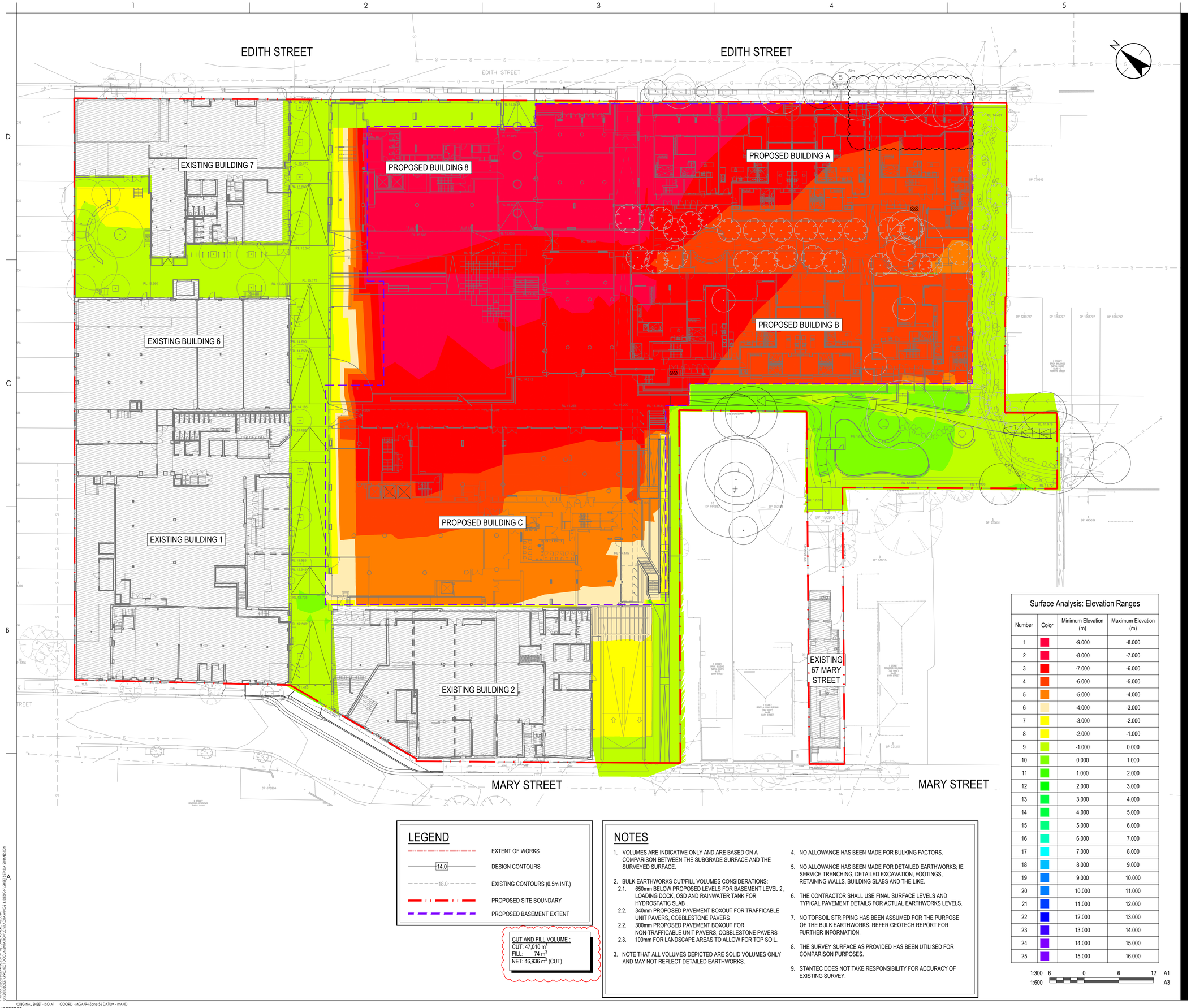
Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025



LEGEND

- EXTENT OF WORKS
- 14.0 — DESIGN CONTOURS
- 18.0 — EXISTING CONTOURS (0.5m INT.)
- PROPOSED SITE BOUNDARY
- PROPOSED BASEMENT EXTENT

CUT AND FILL VOLUME :
CUT: 47,010 m³
FILL: 74 m³
NET: 46,936 m³ (CUT)

NOTES

1. VOLUMES ARE INDICATIVE ONLY AND ARE BASED ON A COMPARISON BETWEEN THE SUBGRADE SURFACE AND THE SURVEYED SURFACE.
2. BULK EARTHWORKS CUT/FILL VOLUMES CONSIDERATIONS:
   - 2.1. 650mm BELOW PROPOSED LEVELS FOR BASEMENT LEVEL 2, LOADING DOCK, OSD AND RAINWATER TANK FOR HYDROSTATIC SLAB .
   - 2.2. 340mm PROPOSED PAVEMENT BOXOUT FOR TRAFFICABLE UNIT PAVERS, COBBLESTONE PAVERS
   - 2.2. 300mm PROPOSED PAVEMENT BOXOUT FOR NON-TRAFFICABLE UNIT PAVERS, COBBLESTONE PAVERS
   - 2.3. 100mm FOR LANDSCAPE AREAS TO ALLOW FOR TOP SOIL.
3. NOTE THAT ALL VOLUMES DEPICTED ARE SOLID VOLUMES ONLY AND MAY NOT REFLECT DETAILED EARTHWORKS.
4. NO ALLOWANCE HAS BEEN MADE FOR BULKING FACTORS.
5. NO ALLOWANCE HAS BEEN MADE FOR DETAILED EARTHWORKS; IE SERVICE TRENCHING, DETAILED EXCAVATION, FOOTINGS, RETAINING WALLS, BUILDING SLABS AND THE LIKE.
6. THE CONTRACTOR SHALL USE FINAL SURFACE LEVELS AND TYPICAL PAVEMENT DETAILS FOR ACTUAL EARTHWORKS LEVELS.
7. NO TOPSOIL STRIPPING HAS BEEN ASSUMED FOR THE PURPOSE OF THE BULK EARTHWORKS. REFER GEOTECH REPORT FOR FURTHER INFORMATION.
8. THE SURVEY SURFACE AS PROVIDED HAS BEEN UTILISED FOR COMPARISON PURPOSES.
9. STANTEC DOES NOT TAKE RESPONSIBILITY FOR ACCURACY OF EXISTING SURVEY.

Surface Analysis: Elevation Ranges

Number	Color	Minimum Elevation (m)	Maximum Elevation (m)
1		-9.000	-8.000
2		-8.000	-7.000
3		-7.000	-6.000
4		-6.000	-5.000
5		-5.000	-4.000
6		-4.000	-3.000
7		-3.000	-2.000
8		-2.000	-1.000
9		-1.000	0.000
10		0.000	1.000
11		1.000	2.000
12		2.000	3.000
13		3.000	4.000
14		4.000	5.000
15		5.000	6.000
16		6.000	7.000
17		7.000	8.000
18		8.000	9.000
19		9.000	10.000
20		10.000	11.000
21		11.000	12.000
22		12.000	13.000
23		13.000	14.000
24		14.000	15.000
25		15.000	16.000

1:300 1:600 — 6 0 6 12 — A1 A3

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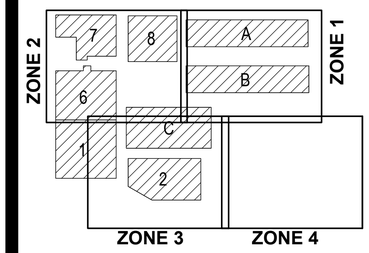

KEY PLAN

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PRECINCT 75

Title
BULK EARTHWORKS PLAN

Project No.
301350227

Scale
1:300

Revision
F

Drawing No.
CI-DA-100-01

Plotted: 26/05/2023 4:39:23 PM By: DAN.PAONE - MEGA
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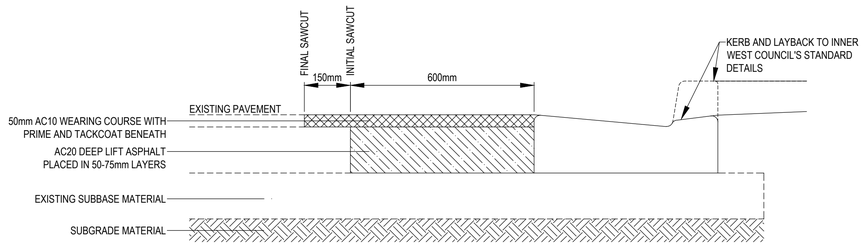
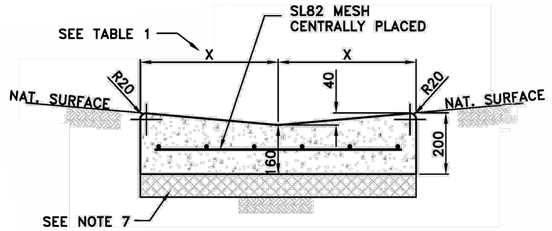
Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025



TYPICAL KERB RESTORATION WITHIN EXISTING PAVEMENT DETAIL

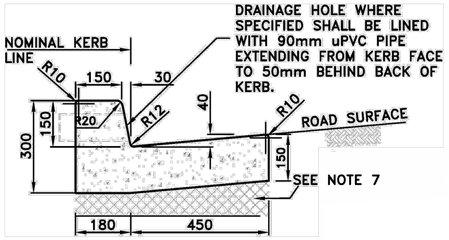
(SCALE 1:10)



REINFORCED DISH CROSSING

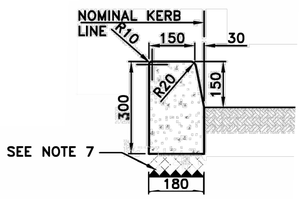
SCALE: NTS

TABLE 1: DISH CROSSING WIDTHS (X VALUE)	
TYPE	X (WIDTH)
1	300
2	450
3	600



150mm INTEGRAL KERB & GUTTER

SCALE: NTS



KERB ONLY

SCALE: NTS

ROAD NOTES 1:

1. CONCRETE STRENGTH

A) KERB, KERB & GUTTER, FOOTPATH, CYCLEWAY, VEHICLE CROSSING, PRAM RAMP, EDGE STRIP: 25MPA @ 28 DAYS
B) DISH CROSSING, ROAD PLATFORM/HUMP, ROAD SLAB: 40MPA @ 28 DAYS
C) FOR TRAFFICKED AREAS WHERE FACILITY MUST BE OPEN TO TRAFFIC WITHIN 12 HOURS (EG VEHICLE CROSSING, ROAD SLAB, DISH CROSSING, ROAD PLATFORM/HUMP: 40 MPA WITH ACCELERATOR SUCH AS 2% CACL (REFER TO SP40HC).

2. CONCRETE FINISH

A) KERB, GUTTER, LAYBACK, DISH CROSSING, PIT (OUTER EXPOSED) – STEEL TROWEL
B) VEHICLE CROSSINGS, FOOTPATH, CYCLEWAY, ROAD SLABS, PRAM RAMP, ROAD HUMPS/RAMPS – BROOM/BRUSH.

3. REINFORCEMENT

A) TO AS 4671
B) MINIMUM COVER: 50MM

4. JOINTING, MINIMUM DIMENSIONS, AND REINFORCEMENT IN CONCRETE SLABS

A) ANY RECONSTRUCTED SECTION OF CONCRETE SHALL HAVE A MINIMUM DIMENSION OF 900MM IN ANY DIRECTION.
B) ALL JOINTS SHALL BE AT RIGHT ANGLES UNLESS DIRECTED OTHERWISE BY THE COUNCIL ENGINEER.
C) EXPANSION JOINTS WILL BE ALIGNED WITH ADJOINING FOOTPARH/ROAD JOINTS.
D) EXPANSION JOINTS (REINFORCED CONCRETE, IE DISH CROSSINGS & LAYBACKS): 10MM APPROVED BITUMEN FILLER AT MAXIMUM 12M INTERVALS, WITH 12MM DIA DEFORMED HOT DIPPED GALVANISED DOWELS, 600MM LONG, AT 500MM CENTRES WITH UPVC SLEEVE AND LEG – MINIMUM 2 DOWELS/JOINT, WITH NO DOWEL CLOSER THAN 150MM TO A VERTICAL EDGE. 'CONNELLY' JOINTS OR EQUIVALENT MAY BE USED.
E) ALL DOWELS SHALL BE PERFECTLY ALIGNED IN PLAN VIEW AND IN ELEVATION, IE THE DOWELS SHALL NOT BE SPLAYED RELEVANT TO EACH OTHER.
F) ALL EXPANSION JOINT MATERIAL SHALL BE THE SAME THICKNESS OF THE CONCRETE AND BE IN ONE LENGTH & WIDTH.
G) AT ALL EXPANSION JOINTS, ANY 'SPILL' CONCRETE FROM THE PREVIOUS POUR (IE SEPARATE TO THE FINISHED CONCRETE) SHALL BE REMOVED.
H) CONTRACTION/DUMMY JOINTS (UNREINFORCED CONCRETE) – NOMINALLY AT 3M INTERVALS OR EQUALLY BETWEEN EXPANSION JOINTS BUT NOT LESS THAN THE CONCRETE WIDTH BETWEEN JOINTS/EDGES.

5. KERB RAMPS

A) SEE STANDARD PLAN F4.

6. EXCAVATION

D) AT ALL JOINS TO EXISTING CONCRETE/ASPHALT – THE JOIN SHALL BE SAW CUT BEFORE EXCAVATION.
E) ALL EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT A LICENSED WASTE DISPOSAL FACILITY.

7. ROAD BASE

A) ROAD BASE SHALL BE PROVIDED BENEATH KERBS, GUTTERS, APRONS AND DISH CROSSINGS WITH 150MM THICK RECYCLED COMPACTED DGB20 OR 150mm THICK LEAN MIX CONCRETE.
B) COMPACTION: 95% STANDARD.
C) RECYCLED DGB SPECIFICATION: FOR SUPPLY OF RECYCLED MATERIAL FOR PAVEMENTS, EARTHWORKS, AND DRAINAGE REFER TO SPECIFICATION FOR SUPPLY OF RECYCLED MATERIAL FOR PAVEMENTS, EARTHWORKS AND DRAINAGE' BY IPWEA (NSW) (LATEST EDITION).

8. RESTORATION OF ADJOINING ROAD PAVEMENT

A) SHALL MATCH EXISTING IF APPROVED BY COUNCIL ENGINEER OR BE CARRIED OUT WITH FULL DEPTH AC20 AND AC10, WITH THE SURFACE FINISH BEING WITH AC10 (MINIMUM THICKNESS 30MM).
B) AC SHALL CONFORM TO RMS SPECIFICATION R116 – 'ASPHALT (DENSE AND OPEN GRADED)'.

9. UTILITIES, SERVICES & SURVEY MARKS

A) ALL UNDERGROUND UTILITY SERVICES SHALL BE CHECKED FOR LEVEL AND LOCATION PRIOR TO COMMENCEMENT OF WORKS, BY THE CONTRACTOR.
B) ALL SERVICE COVERS AFFECTED BY THE WORKS SHALL BE ADJUSTED AS REQUIRED AND TO SUIT THE LEVELS OF THE NEW WORK. NO SERVICE FITTINGS SHALL BE COVERED.
C) PROPERTY STORMWATER PIPES: WHERE AFFECTED, SHALL BE REPLACED WITH 90MM UPVC OR TO SUIT EXISTING AND INVERT SHALL MATCH THE GUTTER LEVEL.
D) STATE SURVEY MARKS (SSM'S) – SHALL NOT BE DISTURBED UNLESS APPROVED BY THE COUNCIL ENGINEER.
E) AT ALL LIGHT/POWER POLES, THE CONCRETE SHALL BE ENDED 150MM CLEAR OF THE POLE AND THE GAP FILLED WITH 30MM OF 10MM COLDMIX/ASPHALTIC CONCRETE.

10. NATURE STRIP RESTORATION

A) MATCH EXISTING TURF.
B) IF NEW TURF IS SPECIFIED – USE SOFT LEAF BUFFALO 'SHADEMASTER', LAID ON 100MM THICK PREPARED TOPSOIL, AS SPECIFIED BY THE COUNCIL ENGINEER.

11. EXISTING SIGNAGE

A) SUCH SIGNAGE SHALL BE REINSTATED UNLESS THE COUNCIL ENGINEER ADVISES OTHERWISE.
B) SIGNS REPLACED OR NEW, WITHIN THE NEW CONCRETE SHALL BE INSTALLED WITH A V–LOK.
C) HERITAGE STREET NAME SIGNS EMBEDDED IN FOOTPATH PAVING AND KERBS – CAUTION SHALL BE EXERCISED TO NOT DAMAGE THESE SIGNS AND THE CONTRACTOR SHALL LIAISE WITH THE COUNCIL ENGINEER TO DETERMINE WHAT ACTION TO IMPLEMENT WHERE DISTURBANCE OF THE SIGN IS ESSENTIAL.

12. RESIDENT NOTIFICATION

A) ALL RESIDENTS AFFECTED BY THE WORKS SHALL BE NOTIFIED AT LEAST 2 WORKING DAYS BEFORE THE RELEVANT WORK COMMENCES AND ANY REASONABLE REQUESTS ACCOMMODATED.

13. SAFETY/SIGNAGE/ACCESS

A) DURING CONSTRUCTION, ADEQUATE WARNING SIGNS AND BARRICADING SHALL BE PROVIDED TO ENSURE THAT THE WORK SITE MEETS THE REQUIREMENTS OF AS 1742.2 & 1743.3, AND TO PROVIDE ADEQUATE PROTECTION TO PEDESTRIANS & MOTORISTS.
B) ADEQUATE AND SAFE ACCESS FOR PEDESTRIANS SHALL BE PROVIDED AT ALL TIMES.
C) AT DRIVEWAYS – PREVENTION OF ACCESS SHALL BE KEPT TO AN ABSOLUTE MINIMUM AND ARRANGEMENTS SHALL BE MADE WITH THE RESIDENT/BUSINESS, BY THE CONTRACTOR, FOR A SUITABLE DAY/TIME FOR THIS WORK. USE OF HIGHER STRENGTH CONCRETE, WITH SHORTER CURING TIME MAY BE NECESSARY.

14. DIMENSIONS

A) ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SHOWN OTHERWISE.

15. GENERAL

A) ALL WORKS SHALL BE CARRIED OUT TO COUNCIL'S SPECIFICATION, TO BEST PRACTICE STANDARDS, AND TO THE SATISFACTION OF COUNCIL'S SUPERVISING ENGINEER.
B) DURING AND AFTER EXCAVATION, ANY UNSOUND AREAS BELOW THE CONCRETE WORK SHALL BE DRAWN TO THE COUNCIL ENGINEER'S ATTENTION, TO ESTABLISH IF ANY ADDITIONAL EXCAVATION/ BASE COURSE IS NECESSARY.
C) THE WORK SITE SHALL BE KEPT IN A CLEAN, TIDY, AND SAFE CONDITION AT ALL TIMES AND TO THE SATISFACTION OF COUNCIL'S ENGINEER.

16. DOCUMENT PRIORITY

A) THIS PLAN SUPERSEDES ANY STATEMENTS ON OTHER DOCUMENTS, EG SPECIFICATIONS, OTHER PLANS, ETC, UNLESS ADVISED BY THE COUNCIL ENGINEER.

17. INSPECTIONS

INSPECTIONS BY THE COUNCIL SUPERVISING ENGINEER SHALL BE REQUIRED AT THE FOLLOWING STAGES AND AS OTHERWISE DIRECTED BY THE COUNCIL ENGINEER:–

A) EXCAVATION COMPLETED,
B) DGB PLACES AND COMPACTED.
C) FORMWORK AND REINFORCEMENT SET.
D) CONCRETE POURED AND CURED.
E) COMPLETED.

Stantec

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Notes

1. Stantec's role on this project is to produce D&C engineering services design, fit for pricing purposes and our agreement does not include an allowance for the builder's, or developers, commercial risks on the project. Under this D&C contract, each service contractor and head principal contractor shall understand that the documentation is not complete and they shall make due consideration of risks and make their own judgement on the completeness of documents at the time of pricing. It is likely that additional costs will arise as the design and documentation phase is completed by the head contractor and associated sub-contractors, as part of the design finalisation stage. This is characteristic of the D&C process. The builder principal contractor and service sub-contractor must allow suitable cost contingencies considering the progress and completeness of the documentation at the time of pricing. Stantec is not liable for any cost increase due to initial pricing being based on documentation that is not fully comprehensive. The service contractor's price shall allow sufficient contingency to cover the risk due the nature of the documentation being a D&C package.

2. Given the D&C nature of this project, the contractor must inspect the existing site to familiarise with the site, understanding the scope of the proposed services and the complexities surrounding its installation, extent of existing services and the demolition scope and importantly, to ascertain any latent conditions that could hinder services design and installation. Site inspection must be carried out prior to signing of contract. No variations will be allowed whatsoever resulting from the lack of site knowledge on the part of the D&C contractor. Any variations resulting from the lack of site knowledge will be the sole responsibility of the D&C contractor.

E	RE-ISSUE FOR S.456 APPROVAL	LPT	MDR	2023.05.26
D	ISSUE FOR S4.56 APPROVAL	LPT	MDR	2023.05.19
C	DRAFT ISSUED FOR S4.56 APPROVAL	LPT	MDR	2023.05.12
B	ISSUED FOR DA APPROVAL	JBC	RET	2022.07.06
A	DRAFT DA ISSUED FOR REVIEW	JBC	RET	2022.07.01
Issued/Revision		By	Appd	YYYY.MM.DD
File Name: 301350227-CI-DA-406-01.DWG		CPO	MDR	RET	2022.07.01
		Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Issue Status

APPROVAL

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Client/Project Logo

home cox

Client/Project
HOME

PRECINCT 75

Title
SITEWORKS DETAILS
SHEET 1

Project No.
301350227

Scale
AS SHOWN

Revision
E

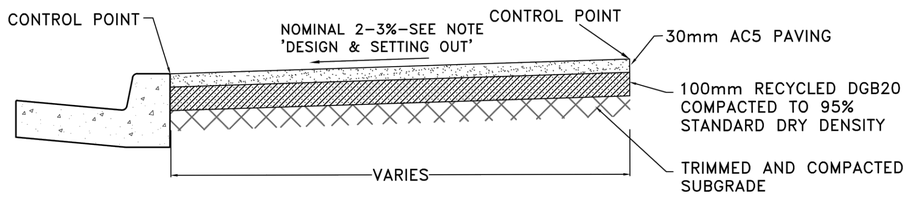
Drawing No.
CI-DA-406-01

Plotted: 26/07/2023 4:26:30 PM By: DAE RAINDE, MELISSA
U:\301\350227\PROJECT DOCUMENTATION\CIVIL\DRAWINGS & DESIGN\SHEET\STD DA SHEMDSON

1:## ### 0 ### ### ### ### # A1
1:## A3

ORIGINAL SHEET - ISO A1 COORD - MGA/P4-Zone 56 DATUM - mAHD

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025



TYPICAL ASPHALT CONCRETE FOOTPATH SECTION
NOT TO SCALE

FOOTPATH NOTES 4:

1. ASPHALT
- A) ALL AC TO RMS QA SPECIFICATIONS R116, AS 2734 INCLUDING TABLE 3.3 AND AS 2758.5, BUT ANY REQUIREMENTS/SPECIFICS ON THIS PLAN TAKE PRIORITY.
- B) BITUMEN CLASS: 320
- C) MAY USE RAP IN MIX – 10% BY VOLUME.

2. KERB RAMPS
- A) SEE STANDARD PLAN F4.

3. ROAD BASE
- A) COMPACTION: 95% STANDARD.
- B) RECYCLED DGB SPECIFICATION: FOR SUPPLY OF RECYCLED MATERIAL FOR PAVEMENTS, EARTHWORKS, AND DRAINAGE REFER TO SPECIFICATION FOR SUPPLY OF RECYCLED MATERIAL FOR PAVEMENTS, EARTHWORKS AND DRAINAGE' BY IPWEA (NSW) (LATEST EDITION).

4. EXCAVATION
- A) AT ALL JOINS TO EXISTING CONCRETE/ASPHALT – THE JOIN SHALL BE SAW CUT BEFORE EXCAVATION.
- B) ALL EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT A LICENSED WASTE DISPOSAL FACILITY.

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- A) ALL UNDERGROUND UTILITY SERVICES SHALL BE CHECKED FOR LEVEL AND LOCATION PRIOR TO COMMENCEMENT OF WORKS, BY THE CONTRACTOR.
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- C) PROPERTY STORMWATER PIPES: WHERE AFFECTED, SHALL BE REPLACED WITH 90MM UPVC OR TO SUIT EXISTING AND INVERT SHALL MATCH THE GUTTER LEVEL.
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- A) MATCH EXISTING TURF.
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7. EXISTING SIGNAGE
- A) SUCH SIGNAGE SHALL BE REINSTATED UNLESS THE COUNCIL ENGINEER ADVISES OTHERWISE.
- B) HERITAGE STREET NAME SIGNS EMBEDDED IN FOOTPATH PAVING AND KERBS – CAUTION SHALL BE EXERCISED TO NOT DAMAGE THESE SIGNS AND THE CONTRACTOR SHALL LIAISE WITH THE COUNCIL ENGINEER TO DETERMINE WHAT ACTION TO IMPLEMENT WHERE DISTURBANCE OF THE SIGN IS ESSENTIAL.

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- C) AT DRIVEWAYS – PREVENTION OF ACCESS SHALL BE KEPT TO AN ABSOLUTE MINIMUM AND ARRANGEMENTS SHALL BE MADE WITH THE RESIDENT/BUSINESS, BY THE CONTRACTOR, FOR A SUITABLE DAY/TIME FOR THIS WORK. USE OF HIGHER STRENGTH CONCRETE, WITH SHORTER CURING TIME MAY BE NECESSARY.

10. DIMENSIONS
- A) ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.

11. GENERAL
- B) ALL WORKS SHALL BE CARRIED OUT TO COUNCIL'S SPECIFICATION, TO BEST PRACTICE STANDARDS, AND TO THE SATISFACTION OF COUNCIL'S SUPERVISING ENGINEER.
- C) DURING AND AFTER EXCAVATION, ANY UNSOUND AREAS BELOW THE CONCRETE WORK SHALL BE DRAWN TO THE COUNCIL ENGINEER'S ATTENTION, TO ESTABLISH IF ANY ADDITIONAL EXCAVATION/ BASE COURSE IS NECESSARY.
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13. INSPECTIONS

INSPECTIONS BY THE COUNCIL SUPERVISING ENGINEER SHALL BE REQUIRED AT THE FOLLOWING STAGES AND AS OTHERWISE DIRECTED BY THE COUNCIL ENGINEER:
- A) EXCAVATION COMPLETED.
- B) ROAD BASE PLACED AND COMPACTED.
- C) ASPHALTIC CONCRETE PLACE & COMPACTED.
- D) COMPLETED.

14. DESIGN & SETTING OUT
- A) SETTING OUT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR EXCEPT WHERE A SURVEYED ALIGNMENT OR DETAILED LEVELS ARE PROVIDED BY THE COUNCIL, IN WHICH CASE THE COUNCIL SHALL BE RESPONSIBLE TO PROVIDE THE REQUIRED DETAILS TO THE CONTRACTOR, IE DISTANCES IN ALL DIMENSIONS FROM FIXED POINTS.
  THE CONTRACTOR MAY NEED TO SAVE THESE 'FIXED POINTS' DURING EXCAVATION, BY TRANSFERRING THEM ELSEWHERE USING A MEASURING TAPE AND SPIRIT/LASER LEVEL.
  IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACHIEVE THE DESIGN ALIGNMENT AND LEVEL AS PER THE COUNCIL PROVIDED DETAILS.
- B) WHERE NO DESIGN LEVELS ARE ISSUED (MOST CASES), THE CONTRACTOR SHALL AIM TO HAVE THE COMPLETED WORK ATTAIN A REASONABLY SMOOTH LONGITUDINAL PROFILE, AND FOR FOOTPATH WORKS A REASONABLY UNIFORM FOOTPATH CROSSFALL OF 2% (MAXIMUM 4%), UNLESS DIRECTED OTHERWISE BY THE COUNCIL SUPERVISOR.
  DUE COGNIZANCE SHALL BE GIVEN TO THE EXISTING PROPERTY LEVELS, PARTICULARLY PATHS AND FLOORS – THIS OFTEN LEADS TO A VARYING OF THE CROSSFALL AND/OR LEVEL OF THE NEW KERB/GUTTER/FOOTPATH.
  WHEN THE SITE CREATES DIFFICULTY IN ACHIEVING THE ABOVE, THE CONTRACTOR SHALL LIAISE WITH THE SUPERINTENDENT AND WORK TOGETHER, CO–OPERATIVELY, TO ACHIEVE A REASONABLE OUTCOME.

NOTE:
WHERE NEW TREES ARE INSTALLED – PROVIDE TREE ROOT BARRIER SURE GRO TYPE RB600H OR SIMILAR APPROVED TO MANUFACTURERS SPECIFICATION.

(ORIGINAL = A3 SHEET)

CHECKED & APPROVED	SURVEYED & DRAFTED	QUANTITIES	SERVICES AFFECTED	S.R.A. / SURV. GEN.		SERVICES		DATUM			
				R.T.A.		TELECOM/OPTUS —T—T—T—T—		A. H. D.			
APPROVED FOR CONSTRUCTION	DESIGNED PG/DJT MAY 2019	INNER WEST COUNCIL		A.G.L. / SHELL PIPELINES		GAS —G—G—G—G—		SCALES			
	DRAWN PG/DJT MAY 2019			SYDNEY WATER		SEWER —S—S—S—S—		NTS			
				TELSTRA / OPTUS		WATER —W—W—W—W—					
				SYDNEY ELECTRICITY		RAILWAY —R—R—R—R—					
				NOTICE OF ENTRY		ELEC. CABLES —E—E—E—E—					
				KERB & GUTTER		OIL PIPELINES —P—P—P—P—					
				NOTICES	DATE	STORM WATER —SW—SW—SW—			AMEND	DATE	DESCRIPTION

APPROV.	INNER WEST COUNCIL	FILE NO.	SHEET NO.
	STANDARD FOOTPATH DRAWING – F9	PLAN NO.	F9
	ASPHALTIC CONCRETE PAVED FOOTPATH	VERSION	V1

1:## ### 0 ### ### ### ### # A1
1:## A3

ORIGINAL SHEET - ISO A1 COORD - MGA/94-Zone 56 DATUM - mAHD

Plotted: 26/05/2023 4:56:49 PM By: DAILY NONE, MEGEA
Q:\301350227\PROJECT DOCUMENTATION\CIVIL\DRAWINGS & DESIGN\CIHEET\CI-DA-SUBMISSION

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

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E	RE-ISSUE FOR S.456 APPROVAL	LPT	MDR	2023.05.26
D	ISSUE FOR S4.56 APPROVAL	LPT	MDR	2023.05.19
C	DRAFT ISSUED FOR S4.56 APPROVAL	LPT	MDR	2023.05.12
B	ISSUED FOR DA APPROVAL	JBC	RET	2022.07.06
A	DRAFT DA ISSUED FOR REVIEW	JBC	RET	2022.07.01
Issued/Revision		By	Appd	YYYY.MM.DD

File Name: 301350227-CI-DA-406-01.DWG	CPO	MDR	RET	2022.07.01
	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

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HOME

PRECINCT 75

Title
SITEWORKS DETAILS
SHEET 2

Project No.
301350227

Scale
AS SHOWN

Revision
E

Drawing No.
CI-DA-406-02

ROAD NOTES 3:

1. CONCRETE STRENGTH
- A) KERB, KERB & GUTTER, FOOTPATH, CYCLEWAY, VEHICLE CROSSING, PRAM RAMP, EDGE STRIP: 25MPA @ 28 DAYS
- B) DISH CROSSING, ROAD PLATFORM/HUMP, ROAD SLAB: 40MPA @ 28 DAYS
- C) FOR TRAFFICKED AREAS WHERE FACILITY MUST BE OPEN TO TRAFFIC WITHIN 12 HOURS (EG VEHICLE CROSSING, ROAD SLAB, DISH CROSSING, ROAD PLATFORM/HUMP: 40 MPA WITH ACCELERATOR SUCH AS 2% CACL (REFER TO SP40HC).

2. CONCRETE FINISH
- A) KERB, GUTTER, LAYBACK, DISH CROSSING, PIT (OUTER EXPOSED) – STEEL TROWEL
- B) VEHICLE CROSSINGS, FOOTPATH, CYCLEWAY, ROAD SLABS, PRAM RAMP, ROAD HUMPS/RAMPS – BROOM/BRUSH.

3. REINFORCEMENT
- A) TO AS 4671
- B) MINIMUM COVER: 50MM

4. JOINTING, MINIMUM DIMENSIONS, AND REINFORCEMENT AT PITS IN CONCRETE ROAD SLABS
- A) ANY RECONSTRUCTED SECTION OF CONCRETE SHALL HAVE A MINIMUM DIMENSION OF 900MM IN ANY DIRECTION.
- B) ALL JOINTS SHALL BE AT RIGHT ANGLES UNLESS DIRECTED OTHERWISE BY THE COUNCIL ENGINEER.
- C) EXPANSION JOINTS FULL DEPTH MASTIC EXPANSION JOINTS SHALL BE PROVIDED EVERY 50M (MAX).
- D) ALL DOWELS SHALL BE PERFECTLY ALIGNED IN PLAN VIEW AND IN ELEVATION, IE THE DOWELS SHALL NOT BE SPLAYED RELEVANT TO EACH OTHER.
- E) ALL EXPANSION JOINT MATERIAL SHALL BE THE SAME THICKNESS OF THE CONCRETE AND BE IN ONE LENGTH & WIDTH.
- F) AT ALL EXPANSION JOINTS, ANY 'SPILL' CONCRETE FROM THE PREVIOUS POUR (IE SEPARATE TO THE FINISHED CONCRETE) SHALL BE REMOVED.
- G) CONTRACTION/DUMMY JOINTS – NOMINALLY AT 15M INTERVALS (EQUALLY BETWEEN EXPANSION JOINTS).

6. EXCAVATION
- A) AT ALL JOINS TO EXISTING CONCRETE/ASPHALT – THE JOIN SHALL BE SAW CUT BEFORE EXCAVATION.
- B) ALL EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT A LICENSED WASTE DISPOSAL FACILITY.

7. ROAD BASE
- A) COMPACTION: 95% STANDARD.
- B) RECYCLED DGB SPECIFICATION: FOR SUPPLY OF RECYCLED MATERIAL FOR PAVEMENTS, EARTHWORKS, AND DRAINAGE REFER TO SPECIFICATION FOR SUPPLY OF RECYCLED MATERIAL FOR PAVEMENTS, EARTHWORKS AND DRAINAGE' BY IPWEA (NSW) (LATEST EDITION).

8. RESTORATION OF ADJOINING ROAD PAVEMENT
- A) SHALL MATCH EXISTING IF APPROVED BY COUNCIL ENGINEER OR BE CARRIED OUT WITH FULL DEPTH AC20 AND AC10, WITH THE SURFACE FINISH BEING WITH AC10 (MINIMUM THICKNESS 30MM).
- B) AC SHALL CONFORM TO RMS SPECIFICATION R116 – 'ASPHALT (DENSE AND OPEN GRADED)'.

9. UTILITIES, SERVICES & SURVEY MARKS
- A) ALL UNDERGROUND UTILITY SERVICES SHALL BE CHECKED FOR LEVEL AND LOCATION PRIOR TO COMMENCEMENT OF WORKS, BY THE CONTRACTOR.
- B) ALL SERVICE COVERS AFFECTED BY THE WORKS SHALL BE ADJUSTED AS REQUIRED AND TO SUIT THE LEVELS OF THE NEW WORK. NO SERVICE FITTINGS SHALL BE COVERED.
- C) PROPERTY STORMWATER PIPES: WHERE AFFECTED, SHALL BE REPLACED WITH 90MM UPVC OR TO SUIT EXISTING AND INVERT SHALL MATCH THE GUTTER LEVEL.
- D) STATE SURVEY MARKS (SSM'S) – SHALL NOT BE DISTURBED UNLESS APPROVED BY THE COUNCIL ENGINEER.
- E) AT ALL LIGHT/POWER POLES, THE CONCRETE SHALL BE ENDED 150MM CLEAR OF THE POLE AND THE GAP FILLED WITH 30MM OF 10MM COLDMIX/ASPHALTIC CONCRETE.

10. NATURE STRIP RESTORATION
- A) MATCH EXISTING TURF.
- B) IF NEW TURF IS SPECIFIED – USE SOFT LEAF BUFFALO 'SHADEMASTER', LAID ON 100MM THICK PREPARED TOPSOIL, AS SPECIFIED BY THE COUNCIL ENGINEER.

11. EXISTING SIGNAGE
- A) SUCH SIGNAGE SHALL BE REINSTATED UNLESS THE COUNCIL ENGINEER ADVISES OTHERWISE.
- B) SIGNS REPLACED OR NEW, WITHIN THE NEW CONCRETE SHALL BE INSTALLED WITH A V-LOK.
- C) HERITAGE STREET NAME SIGNS EMBEDDED IN FOOTPATH PAVING AND KERBS – CAUTION SHALL BE EXERCISED TO NOT DAMAGE THESE SIGNS AND THE CONTRACTOR SHALL LIAISE WITH THE COUNCIL ENGINEER TO DETERMINE WHAT ACTION TO IMPLEMENT WHERE DISTURBANCE OF THE SIGN IS ESSENTIAL.

12. RESIDENT NOTIFICATION
- A) ALL RESIDENTS AFFECTED BY THE WORKS SHALL BE NOTIFIED AT LEAST 2 WORKING DAYS BEFORE THE RELEVANT WORK COMMENCES AND ANY REASONABLE REQUESTS ACCOMMODATED.

13. SAFETY/SIGNAGE/ACCESS
- A) DURING CONSTRUCTION, ADEQUATE WARNING SIGNS AND BARRICADING SHALL BE PROVIDED TO ENSURE THAT THE WORK SITE MEETS THE REQUIREMENTS OF AS 1742.2 & 1743.3, AND TO PROVIDE ADEQUATE PROTECTION TO PEDESTRIANS & MOTORISTS.
- B) ADEQUATE AND SAFE ACCESS FOR PEDESTRIANS SHALL BE PROVIDED AT ALL TIMES.
- C) AT DRIVEWAYS – PREVENTION OF ACCESS SHALL BE KEPT TO AN ABSOLUTE MINIMUM AND ARRANGEMENTS SHALL BE MADE WITH THE RESIDENT/BUSINESS, BY THE CONTRACTOR, FOR A SUITABLE DAY/TIME FOR THIS WORK. USE OF HIGHER STRENGTH CONCRETE, WITH SHORTER CURING TIME MAY BE NECESSARY.

14. DIMENSIONS
- A) ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SHOWN OTHERWISE.

15. GENERAL
- A) ALL WORKS SHALL BE CARRIED OUT TO COUNCIL'S SPECIFICATION, TO BEST PRACTICE STANDARDS, AND TO THE SATISFACTION OF COUNCIL'S SUPERVISING ENGINEER.
- B) DURING AND AFTER EXCAVATION, ANY UNSOUND AREAS BELOW THE CONCRETE WORK SHALL BE DRAWN TO THE COUNCIL ENGINEER'S ATTENTION, TO ESTABLISH IF ANY ADDITIONAL EXCAVATION/ BASE COURSE IS NECESSARY.
- C) THE WORK SITE SHALL BE KEPT IN A CLEAN, TIDY, AND SAFE CONDITION AT ALL TIMES AND TO THE SATISFACTION OF COUNCIL'S ENGINEER.

16. DOCUMENT PRIORITY
- A) THIS PLAN SUPERSEDES ANY STATEMENTS ON OTHER DOCUMENTS, EG SPECIFICATIONS, OTHER PLANS, ETC, UNLESS ADVISED BY THE COUNCIL ENGINEER.

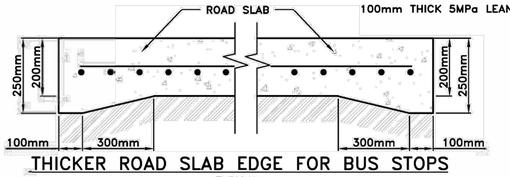
17. INSPECTIONS

INSPECTIONS BY THE COUNCIL SUPERVISING ENGINEER SHALL BE REQUIRED AT THE FOLLOWING STAGES AND AS OTHERWISE DIRECTED BY THE COUNCIL ENGINEER:–
- A) EXCAVATION COMPLETED.
- B) FORMWORK AND REINFORCEMENT SET.
- C) CONCRETE POURED AND CURED.
- D) COMPLETED.

NOTE: FOR TRANSVERSE JOINTS ONLY – CONTRACTION JOINTS SHALL BE PROVIDED EVERY 15M FOR 200 THICK SLAB. JOINT SPACING CAN BE INCREASED TO 20M IN SPECIAL CIRCUMSTANCES.

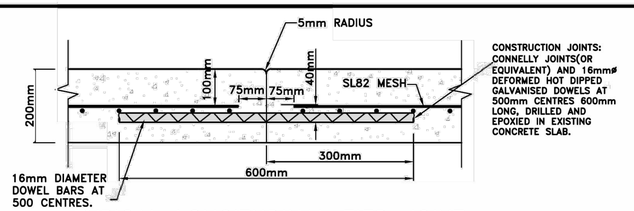
CONSTRUCTION PROCESS
(FOR CONCRETE ROADS WITH AC OVERLAY)

1. REMOVE EXISTING ASPHALT OVERLAY TO EXPOSE THE UNDERLYING CONCRETE SURFACE.
2. SHOULD CONCRETE SLABS REQUIRE REPLACEMENT, FIRST CONSULT COORDINATOR CIVIL DESIGN & INVESTIGATIONS. THEN, REMOVE FAILED CONCRETE SLABS, REMOVE SUBGRADE TO A DEPTH OF 100–150mm, POUR 5 MPa LEAN MIX CONCRETE SUB–BASE PAVEMENT LAYER. POUR 200mm THICK, 40 MPa CONCRETE PAVEMENT ON TOP OF THE LEAN MIX SUB BASE WITH A SINGLE LAYER OF SL82 MESH PLACED AT MID DEPTH. CONCRETE SLABS SHALL BE DOWELLED TO SURROUNDING SLABS @500 CTS. (REFER TO TYPICAL CONTRACTION JOINT). (NOTE: DOWEL SPACING MAY VARY FROM A MAXIMUM OF 600mm TO A MINIMUM OF 300mm, BUT MUST BE UNIFORM). FINISHED CONCRETE PAVEMENT SHALL MATCH ADJOINING PAVEMENT LEVELS FOR BOTH CROSSFALL & LONGITUDINAL GRADE. REFER TO THE TYPICAL SECTION FOR JOINT DETAIL SHOWN.IN HIGHLY TRAFFICKED AREAS, USE 40MPa CONCRETE WITH ACCELERATOR (IN LIEU OF 40MPa CONCRETE) FOR CONCRETE BASE.
3. CLEAN ALL CRACKS & JOINTS IN CONCRETE SLAB WITH COMPRESSED AIR TO REMOVE ALL DIRT, WATER, GREASE & LOOSE MATERIALS.
4. FILL ALL CRACKS & JOINTS < 10mm WITH HOT BITUMEN CRACK OR JOINT SEALANT. SCREED OFF & FLATTEN EXCESS SEALANT.
5. CRACKS LARGER THAN 10mm SHALL BE FILLED WITH "PAVEFIX" OR EQUIVALENT FILLER MATERIAL.
6. JOINTS LARGER THAN 10MM, SEEK ADVICE FROM COORDINATOR CIVIL DESIGN & INVESTIGATIONS PRIOR TO PROCEEDING.
7. PLACE "BITUTHENE 5300" HIGHWAY STRIPS OVER ALL JOINTS FOR THEIR FULL LENGTH IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS. ALL AREAS TO RECEIVE BITUTHENE STRIPS SHALL BE PRIMED. THE RATE OF APPLICATION OF PRIMER SHALL BE 5 Sq.M./LITRE & AREA OF PRIMING SHALL EXCEED THE WIDTH OF BITUTHENE STRIP BY 50mm ON BOTH SIDES.
8. RESURFACE WITH ASPHALTIC CONCRETE (AC10 POLYMER MODIFIED WITH A15E BINDER) TO THE REQUIRED THICKNESS TO OBTAIN THE FINAL SURFACE LEVEL. THE MINIMUM THICKNESS OF THE AC 10 LAYER SHALL NOT BE LESS THAN 40MM.

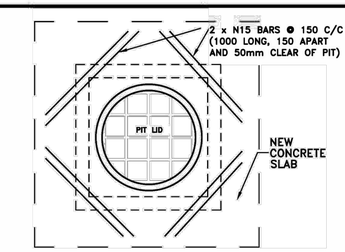


THICKER ROAD SLAB EDGE FOR BUS STOPS
TYPICAL
NOT TO SCALE

(ORIGINAL = A3 SHEET)

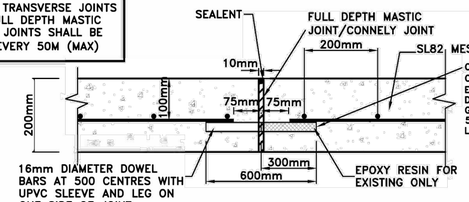


TYPICAL LONGITUDINAL TIED JOINT TIED & FORMED (L.T.J.)
(FOR NEW TO NEW & NEW TO OLD SLABS)
NOT TO SCALE

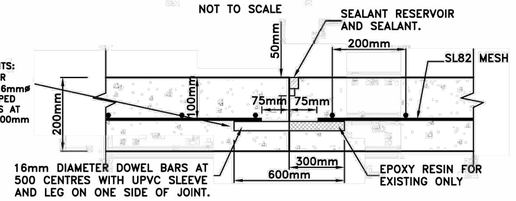


TYPICAL REINFORCEMENT AROUND UTILITY PITS
NOT TO SCALE

NOTE: FOR TRANSVERSE JOINTS ONLY – FULL DEPTH MASTIC EXPANSION JOINTS SHALL BE PROVIDED EVERY 50M (MAX)



TYPICAL EXPANSION JOINT SAWN & DOWELLED (T.E.J.)
(FOR NEW TO NEW & NEW TO OLD SLABS)
NOT TO SCALE



TYPICAL TRANSVERSE CONTRACTION JOINT SAWN & DOWELLED (T.C.J.)
(FOR NEW TO NEW & NEW TO OLD SLABS)
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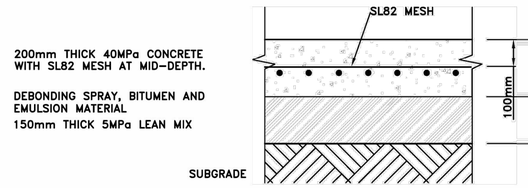
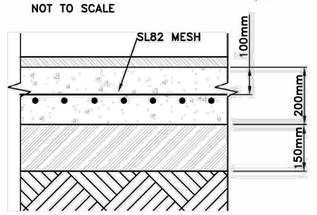
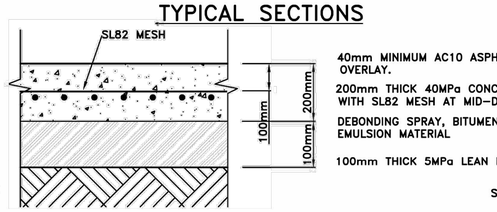


CONCRETE SURFACE
NOT TO SCALE

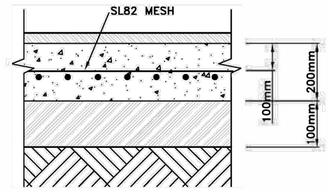


ASPHALT OVERLAY
NOT TO SCALE

CONCRETE SLAB REPLACEMENT–DETAIL 1 (MEDIUM TO HIGH TRAFFIC VOLUMES)
TYPICAL SECTIONS



CONCRETE SURFACE
NOT TO SCALE



ASPHALT OVERLAY
NOT TO SCALE

CONCRETE SLAB REPLACEMENT–DETAIL 2 (LOW TRAFFIC VOLUMES)
TYPICAL SECTIONS

CHECKED & APPROVED	SURVEYED & DRAFTED	QUANTITIES	SERVICES AFFECTED
APPROVED FOR CONSTRUCTION	DESIGNED PG/DJT MAY 2019	INNER WEST COUNCIL	
	DRAWN PG/DJT MAY 2019		

S.R.A. / SURV. GEN.	
R.T.A.	
A.G.L. / SHELL PIPELINES	
SYDNEY WATER	
TELSTRA / OPTUS	
SYDNEY ELECTRICITY	
NOTICE OF ENTRY	
KERB & GUTTER	
NOTICES	DATE

SERVICES: TELECOM/OPTUS, GAS, SEWER, WATER, RAILWAY, ELEC. CABLES, OIL PIPELINES, STORM WATER

DATUM: A. H. D.
SCALES: NTS

AMEND	DATE	DESCRIPTION	APPROV.

INNER WEST COUNCIL
STANDARD ROAD DRAWING – R2
CONCRETE ROAD SLAB REPLACEMENT WORK
TYPICAL DETAILS AND SECTIONS

FILE NO. | SHEET NO.
PLAN NO. R2
VERSION V1

1:## ### 0 ### ### ### ### # A1
1:## A3

ORIGINAL SHEET - ISO A1 COORD - MGA/94-Zone 56 DATUM - mAHD

Plotted: 26/05/2023 4:37:07 PM By: DAZ RUNDE, MELBSA
J:\301350227\PROJECT DOCUMENTATION\CIVIL\DRAWINGS & SKETCH\SHEET\DA SUBMISSION

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

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Notes
1. Stantec's role on this project is to produce D&C engineering services design, fit for pricing purposes and our agreement does not include an allowance for the builder's, or developers, commercial risks on the project. Under this D&C contract, each service contractor and head principal contractor shall understand that the documentation is not complete and they shall make due consideration of risks and make their own judgement on the completeness of documents at the time of pricing. It is likely that additional costs will arise as the design and documentation phase is completed by the head contractor and associated sub-contractors, as part of the design finalisation stage. This is characteristic of the D&C process. The builder principal contractor and service sub-contractor must allow suitable cost contingencies considering the progress and completeness of the documentation at the time of pricing. Stantec is not liable for any cost increase due to initial pricing being based on documentation that is not fully comprehensive. The service contractor's price shall allow sufficient contingency to cover the risk due the nature of the documentation being a D&C package.

2. Given the D&C nature of this project, the contractor must inspect the existing site to familiarise with the site, understanding the scope of the proposed services and the complexities surrounding its installation, extent of existing services and the demolition scope and importantly, to ascertain any latent conditions that could hinder services design and installation. Site inspection must be carried out prior to signing of contract. No variations will be allowed whatsoever resulting from the lack of site knowledge on the part of the D&C contractor. Any variations resulting from the lack of site knowledge will be the sole responsibility of the D&C contractor.

E	RE-ISSUE FOR S.456 APPROVAL	LPT	MDR	2023.05.26
D	ISSUE FOR S4.56 APPROVAL	LPT	MDR	2023.05.19
C	DRAFT ISSUED FOR S4.56 APPROVAL	LPT	MDR	2023.05.12
B	ISSUED FOR DA APPROVAL	JBC	RET	2022.07.06
A	DRAFT DA ISSUED FOR REVIEW	JBC	RET	2022.07.01
Issued/Revision		By	Appd	YYYY.MM.DD

File Name: 301350227-CI-DA-406-01.DWG	CPO	MDR	RET	2022.07.01
	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Issue Status

APPROVAL
NOT FOR CONSTRUCTION

This document is suitable only for the purpose noted above.
Use of this document for any other purpose is not permitted.

Client/Project Logo

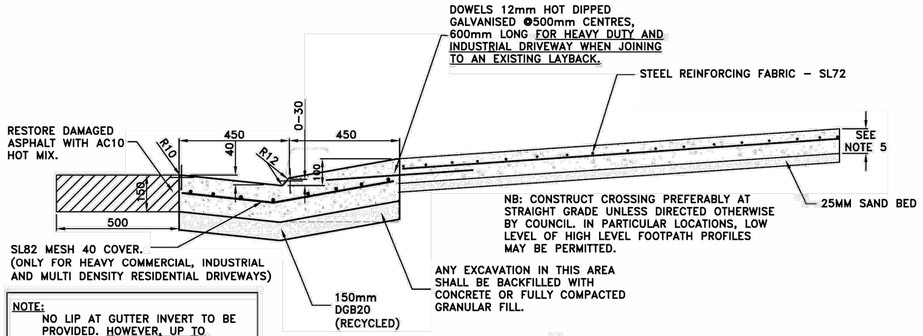
home cox

Client/Project
HOME

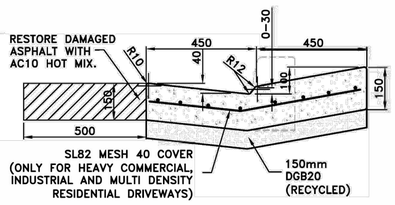
PRECINCT 75

Title
SITEWORKS DETAILS
SHEET 3

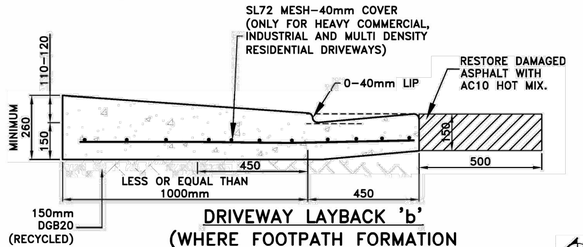
Project No. 301350227
Scale AS SHOWN
Revision E
Drawing No. **CI-DA-406-03**



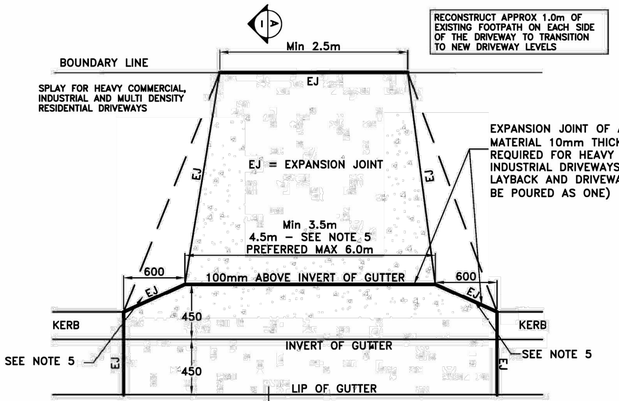
SECTION A
SCALE 1:20



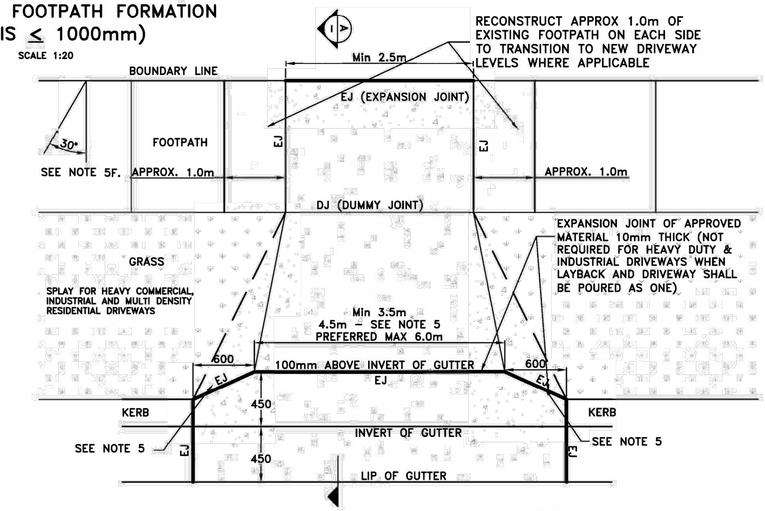
DRIVEWAY LAYBACK–'a'
(WHERE FOOTPATH FORMATION IS GREATER THAN 1000mm)
SCALE 1:20



DRIVEWAY LAYBACK 'b'
(WHERE FOOTPATH FORMATION IS ≤ 1000mm)
SCALE 1:20



DRIVEWAY SPECIFICATION–'A' (FULLY PAVED FOOTPATH)
(ORIGINAL = A3 SHEET) NOT TO SCALE



DRIVEWAY SPECIFICATION–'B'
WITH GRASS VERGE
NOT TO SCALE

ROAD NOTES 2:

1. CONCRETE STRENGTH
- A) KERB, KERB & GUTTER, FOOTPATH, CYCLEWAY, VEHICLE CROSSING, PRAM RAMP, EDGE STRIP: 25MPA @ 28 DAYS
- B) FOR TRAFFICKED AREAS WHERE FACILITY MUST BE OPEN TO TRAFFIC WITHIN 12 HOURS (EG VEHICLE CROSSING, ROAD SLAB, DISH CROSSING, ROAD PLATFORM/HUMP: 40 MPA WITH ACCELERATOR SUCH AS 2% CACL (REFER TO SP40HC).

2. CONCRETE FINISH
- A) KERB, GUTTER, LAYBACK, DISH CROSSING, PIT (OUTER EXPOSED) – STEEL TROWEL
- B) VEHICLE CROSSINGS, FOOTPATH, CYCLEWAY, ROAD SLABS, PRAM RAMP, ROAD HUMPS/RAMPS – BROOM/BRUSH.

3. REINFORCEMENT
- A) TO AS 4671
- B) MINIMUM COVER: 50MM

4. JOINTING, MINIMUM DIMENSIONS, AND REINFORCEMENT IN CONCRETE SLABS
- A) ANY RECONSTRUCTED SECTION OF CONCRETE SHALL HAVE A MINIMUM DIMENSION OF 900MM IN ANY DIRECTION.
- B) ALL JOINTS SHALL BE AT RIGHT ANGLES UNLESS DIRECTED OTHERWISE BY THE COUNCIL ENGINEER.
- C) EXPANSION JOINTS (UNREINFORCED CONCRETE): 10MM APPROVED BITUMEN FILLER AT MAXIMUM 10M INTERVALS.
- D) EXPANSION JOINTS (REINFORCED CONCRETE, IE DISH CROSSINGS & LAYBACKS): 10MM APPROVED BITUMEN FILLER, WITH, WHERE APPLICABLE, 12MM DIA DEFORMED HOT DIPPED GALVANISED DOWELS, 600MM LONG, AT 500MM CENTRES WITH UPVC SLEEVE AND LEG – MINIMUM 2 DOWELS/JOINT, WITH NO DOWEL CLOSER THAN 150MM TO A VERTICAL EDGE. 'CONNELLY' JOINTS OR EQUIVALENT MAY BE USED.
- E) ALL DOWELS SHALL BE PERFECTLY ALIGNED IN PLAN VIEW AND IN ELEVATION, IE THE DOWELS SHALL NOT BE SPLAYED RELEVANT TO EACH OTHER.
- F) ALL EXPANSION JOINT MATERIAL SHALL BE THE SAME THICKNESS OF THE CONCRETE AND BE IN ONE LENGTH & WIDTH.
- G) AT ALL EXPANSION JOINTS, ANY 'SPILL' CONCRETE FROM THE PREVIOUS POUR (IE SEPARATE TO THE FINISHED CONCRETE) SHALL BE REMOVED.
- H) CONTRACTION/DUMMY JOINTS (UNREINFORCED CONCRETE) – NOMINALLY AT 3M INTERVALS OR EQUALLY BETWEEN EXPANSION JOINTS BUT NOT LESS THAN THE CONCRETE WIDTH BETWEEN JOINTS/EDGES.

5. VEHICLE CROSSINGS
- A) CONCRETE THICKNESS, AND OTHER DETAILS:
- – RESIDENTIAL AND LIGHT COMMERCIAL – 150MM UNREINFORCED.
- – INDUSTRIAL, HEAVY COMMERCIAL AND MULTI–DENSITY RESIDENTIAL – 200MM REINFORCED (SL72), LAYBACK IS INTEGRAL WITH CROSSING (DOWEL IF POURED SEPARATELY). 900MM WIDE WINGS MAY BE REQUIRED IN TIGHT SITUATIONS WHERE VERY LARGE VEHICLES ARE USED – AS APPROVED BY THE COUNCIL ENGINEER.
- B) CONSTRUCT CROSSINGS PREFERABLY AT A STRAIGHT GRADE ACROSS THE FOOTPATH EXCEPT WHERE DIRECTED OTHERWISE BY THE COUNCIL ENGINEER (NOT OFTEN PRACTICAL AT RESIDENTIAL SITES).
- C) RECONSTRUCT FOOTPATH EACH SIDE TO MATCH CROSSING MINIMUM 1m OR TO THE NEXT JOINT, WHICHEVER IS GREATER.
- D) MATCH BOUNDARY LEVELS EXCEPT WHERE DIRECTED OTHERWISE BY THE COUNCIL ENGINEER.
- E) WIDTH OF LAYBACK – ON ROADS WHICH HAVE A MARKED TRAFFICKED KERBSIDE LANE AND/OR NARROW ROAD PAVEMENT (EG NORTON ST ASHFIELD), MINIMUM LAYBACK LENGTH SHALL BE 4.5M PLUS WINGS.
- F) ANGLED DRIVEWAYS MAY BE PERMITTED TO A MAXIMUM ANGLE OF 30 DEGREES FROM THE PROPERTY BOUNDARY TO THE KERB – AS APPROVED BY THE COUNCIL ENGINEER.

6. EXCAVATION
- A) AT ALL JOINS TO EXISTING CONCRETE/ASPHALT – THE JOIN SHALL BE SAW CUT BEFORE EXCAVATION.
- B) ALL EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT A LICENSED WASTE DISPOSAL FACILITY.

7. ROAD BASE
- A) COMPACTION: 95% STANDARD.
- B) RECYCLED DGB SPECIFICATION: FOR SUPPLY OF RECYCLED MATERIAL FOR PAVEMENTS, EARTHWORKS, AND DRAINAGE REFER TO SPECIFICATION FOR SUPPLY OF RECYCLED MATERIAL FOR PAVEMENTS, EARTHWORKS AND DRAINAGE" BY IPWEA (NSW) (LATEST EDITION).

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- A) DURING CONSTRUCTION, ADEQUATE WARNING SIGNS AND BARRICADING SHALL BE PROVIDED TO ENSURE THAT THE WORK SITE MEETS THE REQUIREMENTS OF AS 1742.2 & 1743.3, AND TO PROVIDE ADEQUATE PROTECTION TO PEDESTRIANS & MOTORISTS.
- B) ADEQUATE AND SAFE ACCESS FOR PEDESTRIANS SHALL BE PROVIDED AT ALL TIMES.
- C) AT DRIVEWAYS – PREVENTION OF ACCESS SHALL BE KEPT TO AN ABSOLUTE MINIMUM AND ARRANGEMENTS SHALL BE MADE WITH THE RESIDENT/BUSINESS, BY THE CONTRACTOR, FOR A SUITABLE DAY/TIME FOR THIS WORK. USE OF HIGHER STRENGTH CONCRETE, WITH SHORTER CURING TIME MAY BE NECESSARY.

14. DIMENSIONS
- A) ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SHOWN OTHERWISE.

15. GENERAL
- A) ALL WORKS SHALL BE CARRIED OUT TO COUNCIL'S SPECIFICATION, TO BEST PRACTICE STANDARDS, AND TO THE SATISFACTION OF COUNCIL'S SUPERVISING ENGINEER.
- B) DURING AND AFTER EXCAVATION, ANY UNSOUND AREAS BELOW THE CONCRETE WORK SHALL BE DRAWN TO THE COUNCIL ENGINEER'S ATTENTION, TO ESTABLISH IF ANY ADDITIONAL EXCAVATION/ BASE COURSE IS NECESSARY.
- C) THE WORK SITE SHALL BE KEPT IN A CLEAN, TIDY, AND SAFE CONDITION AT ALL TIMES AND TO THE SATISFACTION OF COUNCIL'S ENGINEER.

16. DOCUMENT PRIORITY
- A) THIS PLAN SUPERSEDES ANY STATEMENTS ON OTHER DOCUMENTS, EG SPECIFICATIONS, OTHER PLANS, ETC, UNLESS ADVISED BY THE COUNCIL ENGINEER.

17. INSPECTIONS

INSPECTIONS BY THE COUNCIL SUPERVISING ENGINEER SHALL BE REQUIRED AT THE FOLLOWING STAGES AND AS OTHERWISE DIRECTED BY THE COUNCIL ENGINEER:–
- A) EXCAVATION COMPLETED.
- B) DGB LAID AND COMPACTED (IF APPLICABLE),
- C) FORMWORK AND REINFORCEMENT SET.
- D) CONCRETE POURED AND CURED.
- E) COMPLETED.

CHECKED & APPROVED	SURVEYED & DRAFTED	QUANTITIES	SERVICES AFFECTED
APPROVED FOR CONSTRUCTION	DESIGNED PG/DJT MAY 2019	INNER WEST COUNCIL	
	DRAWN PG/DJT MAY 2019		

NOTICES	DATE
S.R.A. / SURV. GEN.	
R.T.A.	
A.G.L. / SHELL PIPELINES	
SYDNEY WATER	
TELSTRA / OPTUS	
SYDNEY ELECTRICITY	
NOTICE OF ENTRY	
KERB & GUTTER	

SERVICES: TELECOM/OPTUS —T—T—T—T— · GAS —G—G—G—G— · SEWER —S—S—S—S— · WATER —W—W—W—W— · RAILWAY —R—R—R—R— · ELEC. CABLES —E—E—E—E— · OIL PIPELINES —P—P—P—P— · STORM WATER —SW—SW—SW—

DATUM A. H. D.

SCALES AS SHOWN

AMEND	DATE	DESCRIPTION	APPROV.

INNER WEST COUNCIL
STANDARD ROADS DRAWING – R3
VEHICLE CROSSING & LAYBACK DETAILS

FILE NO. | SHEET NO.
PLAN NO. R3
VERSION V1

1:## ### 0 ### ### ### ### # A1
1:## A3

Plotted: 26/05/2023 4:37:34 PM By: DAVE RHODE, MELISSA
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Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

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E	RE-ISSUE FOR S.456 APPROVAL	LPT	MDR	2023.05.26
D	ISSUE FOR S4.56 APPROVAL	LPT	MDR	2023.05.19
C	DRAFT ISSUED FOR S4.56 APPROVAL	LPT	MDR	2023.05.12
B	ISSUED FOR DA APPROVAL	JBC	RET	2022.07.06
A	DRAFT DA ISSUED FOR REVIEW	JBC	RET	2022.07.01
Issued/Revision		By	Appd	YYYY.MM.DD

File Name: 301350227-CI-DA-406-01.DWG	CPO	MDR	RET	2022.07.01
	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Issue Status

APPROVAL

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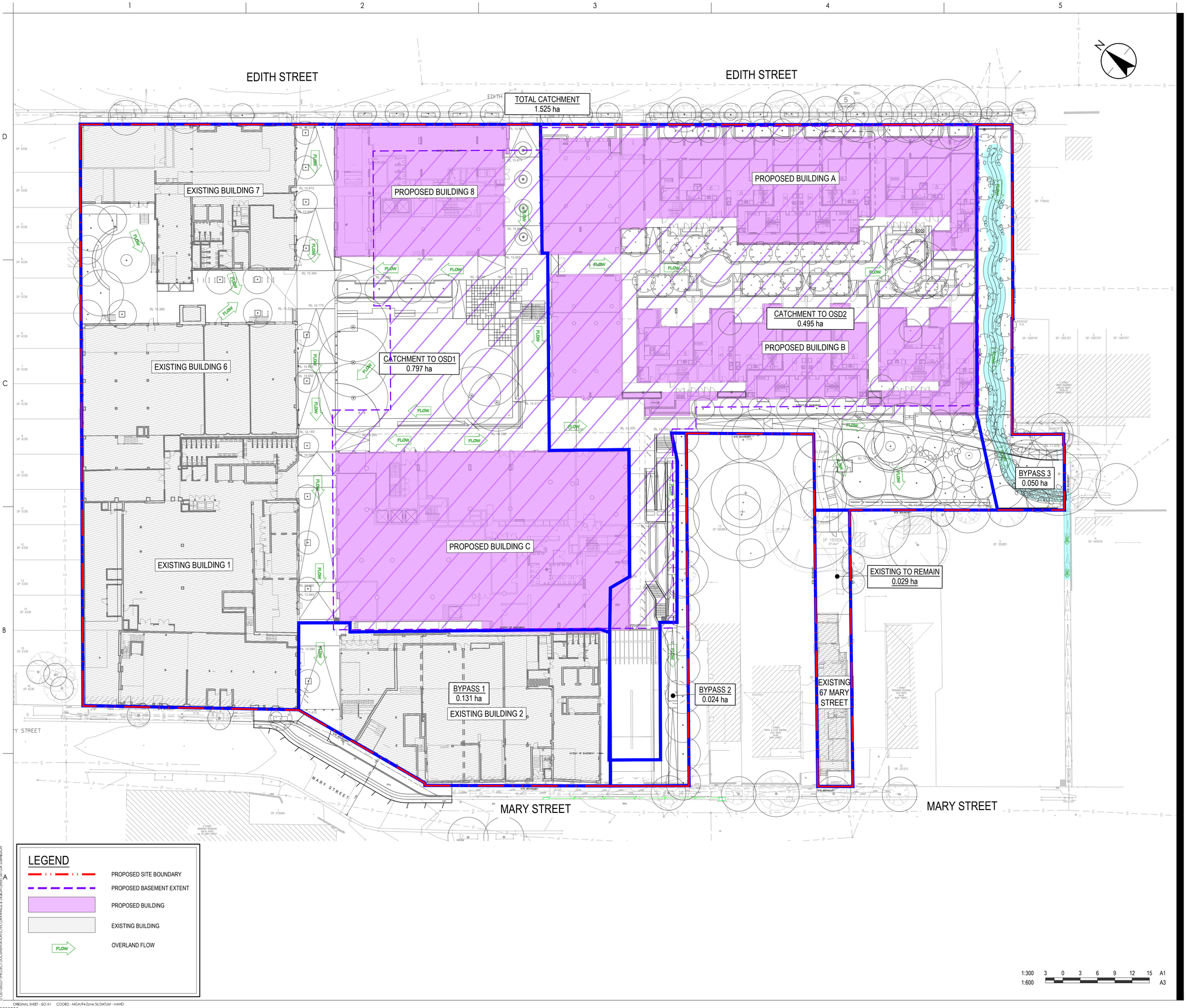
HOME

PRECINCT 75

Title
SITEWORKS DETAILS
SHEET 4

Project No. 301350227
Scale AS SHOWN
Revision E
Drawing No. CI-DA-406-04



1:300 3 0 3 6 9 12 15 A1
1:600 A3

ZONE 2 | ZONE 1 | ZONE 3 | ZONE 4

KEY PLAN

F	RE-ISSUE FOR S.456 APPROVAL	LPT	MDR	2023.05.26
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A	DRAFT DA ISSUED FOR REVIEW	JBC	RET	2022.07.01
Issued/Revision		By	Appd	YYYY.MM.DD

File Name: 301350227-CI-DA-500-01.DWG		CPO	MDR	RET	2022.07.01
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PRECINCT 75

Title
CATCHMENT PLAN

Project No.
301350227

Scale
1:300

Revision
F

Drawing No.
CI-DA-500-01

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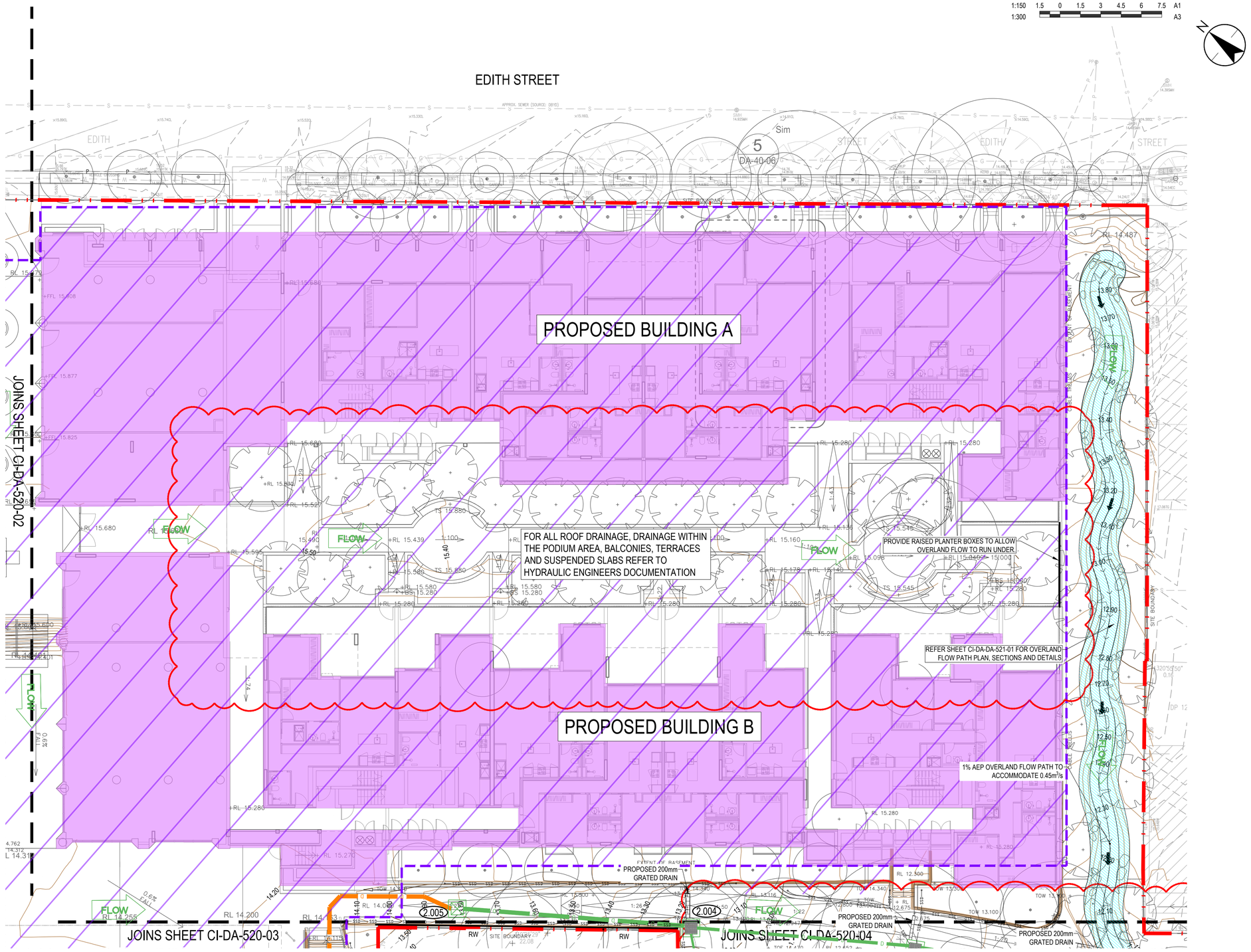
ORIGINAL SHEET - ISO A1 COORD - MGA/94-Zone 56 DATUM - mAHD

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025



1:150 1.5 0 1.5 3 4.5 6 7.5 A1
1:300 A3

LEGEND

- PROPOSED SITE BOUNDARY
- PROPOSED BUILDING
- PROPOSED BASEMENT EXTENT
- EXISTING BUILDING
- DESIGN CONTOURS (14.0)
- EXISTING CONTOURS (18.0)
- PROPOSED STORMWATER PIPE (D)
- SUSPENDED BASEMENT DRAINAGE
- EXISTING STORMWATER PIPE (D)
- OVERLAND FLOW PATH
- PROPOSED SWALE EXTENT
- OVERLAND FLOW
- PROPOSED GRATED DRAIN
- PROPOSED SWALE
- RETAINING WALL (RW)
- PROPOSED GRATED PIT
- PROPOSED JUNCTION PIT
- EXISTING STORMWATER PIT
- PROPOSED SUBSURFACE DRAIN WITH FLUSH POINT (FP, SSD)
- ON SITE DETENTION TANK
- PROPOSED RAINWATER TANK

FOR STORMWATER PIT SCHEDULE REFER TO DRAWING CI-526-02

NOTES

1. ALL STORMWATER PIPES TO HAVE A MINIMUM OF 0.5% SLOPE IN DIRECTION SHOWN UNO.
2. ALL IN-GROUND STORMWATER PIPES TO BE FRC CLASS 3 PIPES UNO.
3. ALL IN-GROUND STORMWATER PIPES TO BE MINIMUM 450 BELOW LANDSCAPED SURFACES AND 600 BELOW SURFACES IN TRAFFICABLE AREA.
4. GRATES, FRAMES AND COVERS IN ROADWAYS TO BE CLASS D.
5. GRATES AND FRAMES NOT IN ROADWAYS TO BE CLASS B.
6. STORMWATER PIPES ARE TO BE INSTALLED IN ACCORDANCE WITH AS 3725.
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11. ALL GRATED DRAINS TO BE ACO DRAIN WITH HEELSAFE GRATE OR APPROVED EQUIVALENT.

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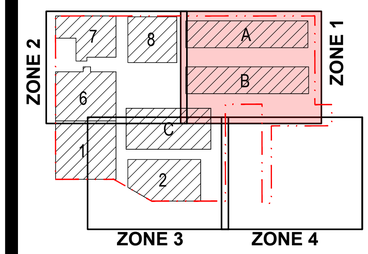

KEY PLAN

F	RE-ISSUE FOR S.456 APPROVAL	LPT	MDR	2023.05.26
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A	DRAFT DA ISSUED FOR REVIEW	JBC	RET	2022.07.01
Issued/Revision		By	Appd	YYYY.MM.DD

File Name: 301350227-CI-DA-520-01.DWG	CPO	MDR	RET	2022.07.01
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Issue Status

APPROVAL

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PRECINCT 75

Title
STORMWATER DRAINAGE PLAN - ZONE 1

Project No.	Scale
301350227	1:150
Revision: F	Drawing No.: CI-DA-520-01

Plotted: 24/05/2023 4:51:08 PM By: DYLAN.PAINE, MEGIDA
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ORIGINAL SHEET - ISO A1 COORD - MGA/94-Zone 56 DATUM - mAHD

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

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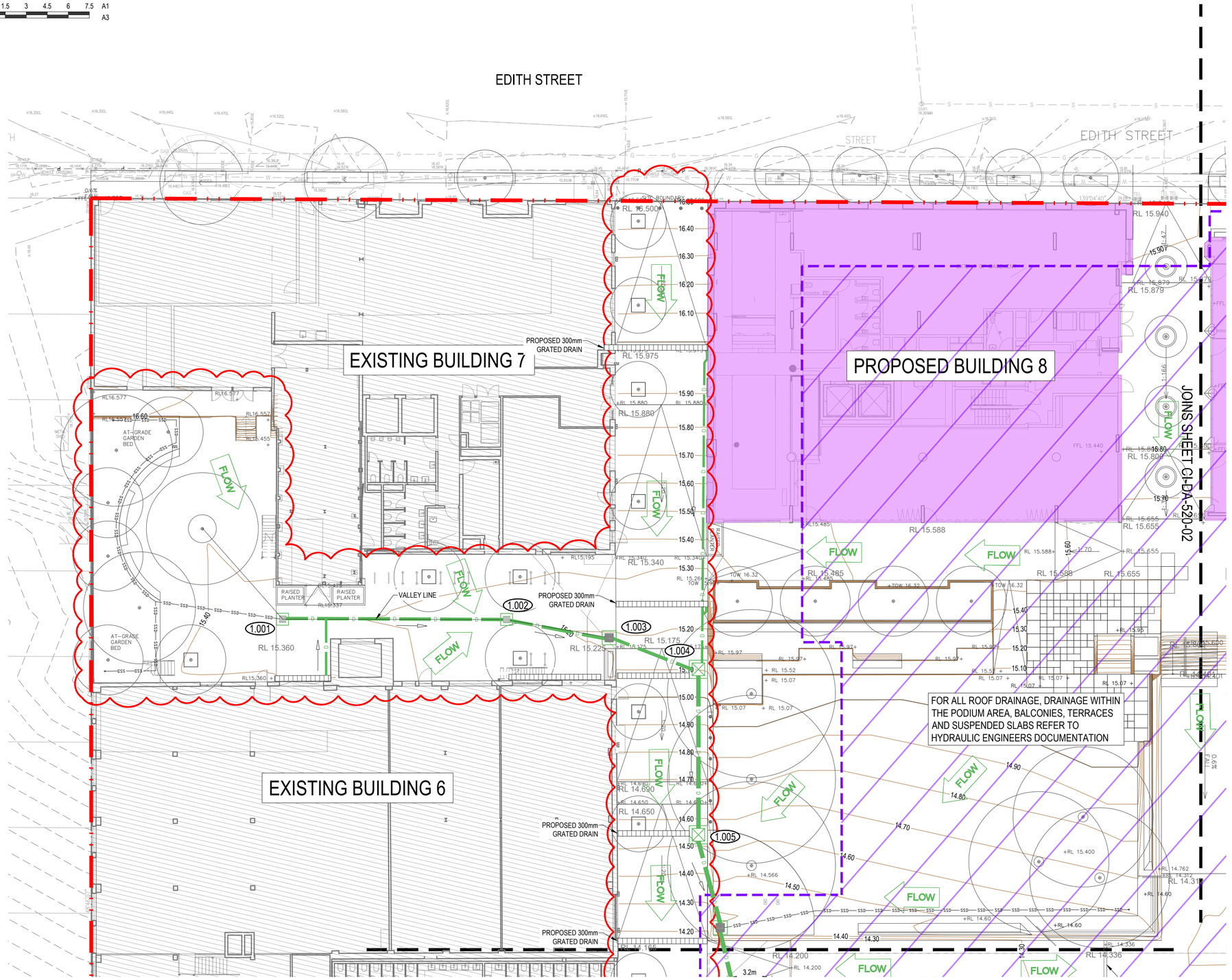
1:300 A3



LEGEND

- PROPOSED SITE BOUNDARY
- PROPOSED BUILDING
- PROPOSED BASEMENT EXTENT
- EXISTING BUILDING
- DESIGN CONTOURS (14.0)
- EXISTING CONTOURS (18.0)
- PROPOSED STORMWATER PIPE
- SUSPENDED BASEMENT DRAINAGE
- EXISTING STORMWATER PIPE
- OVERLAND FLOW PATH
- PROPOSED SWALE EXTENT
- OVERLAND FLOW
- PROPOSED GRATED DRAIN
- PROPOSED SWALE
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- EXISTING STORMWATER PIT
- PROPOSED SUBSURFACE DRAIN WITH FLUSH POINT (FP, SSD)
- ON SITE DETENTION TANK
- PROPOSED RAINWATER TANK

FOR STORMWATER PIT SCHEDULE REFER TO DRAWING CI-526-02

NOTES

1. ALL STORMWATER PIPES TO HAVE A MINIMUM OF 0.5% SLOPE IN DIRECTION SHOWN UNO.
2. ALL IN-GROUND STORMWATER PIPES TO BE FRC CLASS 3 PIPES UNO.
3. ALL IN-GROUND STORMWATER PIPES TO BE MINIMUM 450 BELOW LANDSCAPED SURFACES AND 600 BELOW SURFACES IN TRAFFICABLE AREA.
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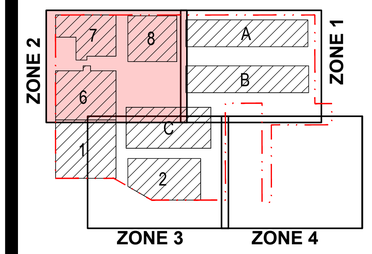

KEY PLAN

F	RE-ISSUE FOR S.456 APPROVAL	LPT	MDR	2023.05.26
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File Name: 301350227-CI-DA-520-01.DWG	CPO	MDR	RET	2022.07.01
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Issue Status

APPROVAL

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PRECINCT 75

Title
STORMWATER DRAINAGE PLAN - ZONE 2

Project No.	Scale
301350227	1:150
Revision: F	Drawing No.: CI-DA-520-02

Plotted: 26/05/2023 4:51:49 PM By: DAZ RUNDE, MELBOURNE
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Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

1:150 1.5 0 1.5 3 4.5 6 7.5 A1
1:300 A3

JOINS SHEET CI-DA-520-02

JOINS SHEET CI-DA-520-01

PROPOSED BUILDING C

EXISTING BUILDING 1

EXISTING BUILDING 2

PROPOSED 300mm GRATED DRAIN

OSD TANK 1 + FILTER CHAMBER
MIN. TANK BASE IL 10.05m
TANK FOOTPRINT = 105.00m2
TREATMENT CHAMBER FOOTPRINT = 12.00m²
DETENTION TANK FOOTPRINT = 86.70m²

PROPOSED RAINWATER TANK
REFER TO HYDRAULIC CONSULTANT
DOCUMENTATION FOR FURTHER INFORMATION

STORMWATER LINE
SUSPENDED ON BASEMENT

OSD TANK 2 + FILTER CHAMBER
MIN. TANK BASE IL 9.80m
TOTAL TANK FOOTPRINT = 53.70m²
TREATMENT CHAMBER FOOTPRINT = 11.40m²
DETENTION TANK FOOTPRINT = 40.70m²

CREST LINE

FLOW

PROPOSED FILTERRA BIORETENTION SYSTEM WITHIN A 1200x1200 TREE GRATE TO SUPPLIER SPECIFICATION

PROPOSED 900x900 JUNCTION PIT

PROPOSED BUTTERFLY GRATE IN DISH DRAIN

MARY STREET

900x900 KERB INLET PIT
SINGLE GRATE 1.8m LINTEL

MARY STREET
MAKE SMOOTH CONNECTION INTO EXISTING STORMWATER NETWORK

EXISTING PIPE INVERT LEVEL HAS BEEN ASSUMED. CONTRACTOR TO CONFIRM THIS ON SITE PRIOR CONSTRUCTION.

EXTENT OF BASEMENT

SITE BOUNDARY

LEGEND

- PROPOSED SITE BOUNDARY
- PROPOSED BUILDING
- PROPOSED BASEMENT EXTENT
- EXISTING BUILDING
- DESIGN CONTOURS (14.0)
- EXISTING CONTOURS (18.0)
- PROPOSED STORMWATER PIPE
- SUSPENDED BASEMENT DRAINAGE
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- PROPOSED GRATED PIT
- PROPOSED JUNCTION PIT
- EXISTING STORMWATER PIT
- PROPOSED SUBSURFACE DRAIN WITH FLUSH POINT (FP, SSD)
- ON SITE DETENTION TANK
- PROPOSED RAINWATER TANK

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11. ALL GRATED DRAINS TO BE ACO DRAIN WITH HEELSAFE GRATE OR APPROVED EQUIVALENT.

Plotted: 26/05/2023 4:53:20 PM By: DYA PAINDE, MELISSA
J:\301350227\PROJECT DOCUMENTATION\CIVIL\DRAWINGS & 05-DRGS\CI-SHEET\CI-DA-520-04.DWG

ORIGINAL SHEET - ISO A1 COORD - MGA/94-Zone 56 DATUM - mAHD

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

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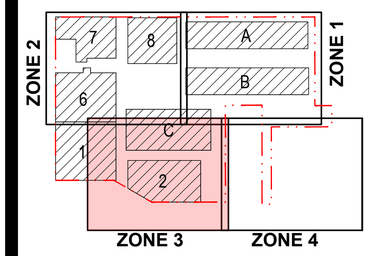

KEY PLAN

F	RE-ISSUE FOR S.456 APPROVAL	LPT	MDR	2023.05.26
E	ISSUE FOR S4.56 APPROVAL	LPT	MDR	2023.05.19
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		Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

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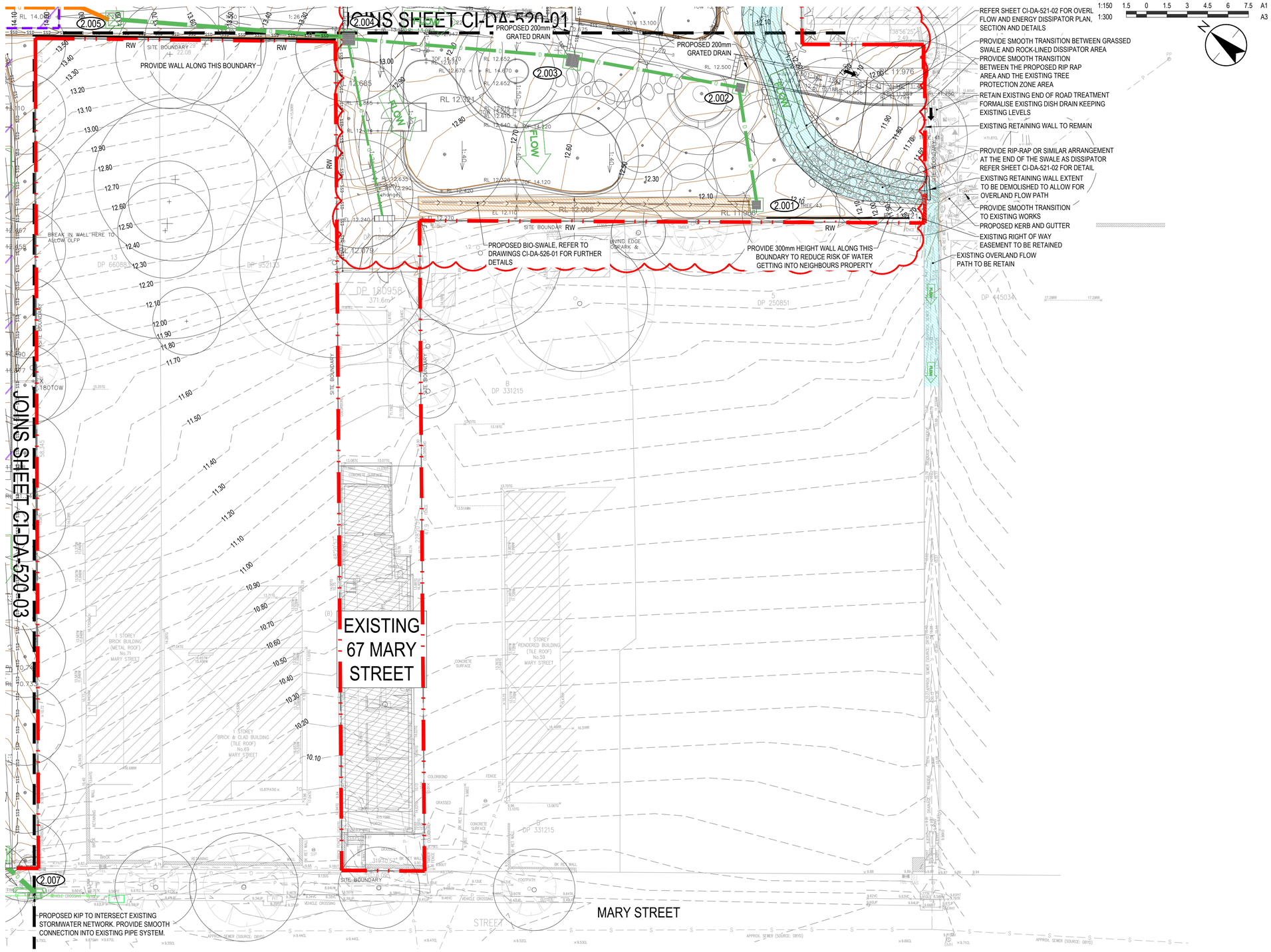
PRECINCT 75

Title
STORMWATER DRAINAGE PLAN - ZONE 3

Project No.	Scale
301350227	1:150

Revision
F

Drawing No.
CI-DA-520-03



REFER SHEET CI-DA-521-02 FOR OVERL FLOW AND ENERGY DISSIPATOR PLAN, SECTION AND DETAILS

PROVIDE SMOOTH TRANSITION BETWEEN GRASSED SWALE AND ROCK-LINED DISSIPATOR AREA

PROVIDE SMOOTH TRANSITION BETWEEN THE PROPOSED RIP RAP AREA AND THE EXISTING TREE PROTECTION ZONE AREA

RETAIN EXISTING END OF ROAD TREATMENT FORMALISE EXISTING DISH DRAIN KEEPING EXISTING LEVELS

EXISTING RETAINING WALL TO REMAIN

PROVIDE RIP-RAP OR SIMILAR ARRANGEMENT AT THE END OF THE SWALE AS DISSIPATOR REFER SHEET CI-DA-521-02 FOR DETAIL

EXISTING RETAINING WALL EXTENT TO BE DEMOLISHED TO ALLOW FOR OVERLAND FLOW PATH

PROVIDE SMOOTH TRANSITION TO EXISTING WORKS

PROPOSED KERB AND GUTTER

EXISTING RIGHT OF WAY EASEMENT TO BE RETAINED

EXISTING OVERLAND FLOW PATH TO BE RETAIN

1:150 1:300 A1 A3

LEGEND

- PROPOSED SITE BOUNDARY
- PROPOSED BUILDING
- PROPOSED BASEMENT EXTENT
- EXISTING BUILDING
- DESIGN CONTOURS (14.0)
- EXISTING CONTOURS (18.0)
- PROPOSED STORMWATER PIPE
- SUSPENDED BASEMENT DRAINAGE
- EXISTING STORMWATER PIPE
- OVERLAND FLOW PATH
- PROPOSED SWALE EXTENT
- OVERLAND FLOW
- PROPOSED GRATED DRAIN
- PROPOSED SWALE
- RETAINING WALL (RW)
- PROPOSED GRATED PIT
- PROPOSED JUNCTION PIT
- EXISTING STORMWATER PIT
- PROPOSED SUBSURFACE DRAIN WITH FLUSH POINT (FP, SSD)
- ON SITE DETENTION TANK
- PROPOSED RAINWATER TANK

FOR STORMWATER PIT SCHEDULE REFER TO DRAWING CI-526-02

NOTES

1. ALL STORMWATER PIPES TO HAVE A MINIMUM OF 0.5% SLOPE IN DIRECTION SHOWN UNO.
2. ALL IN-GROUND STORMWATER PIPES TO BE FRC CLASS 3 PIPES UNO.
3. ALL IN-GROUND STORMWATER PIPES TO BE MINIMUM 450 BELOW LANDSCAPED SURFACES AND 600 BELOW SURFACES IN TRAFFICABLE AREA.
4. GRATES, FRAMES AND COVERS IN ROADWAYS TO BE CLASS D.
5. GRATES AND FRAMES NOT IN ROADWAYS TO BE CLASS B.
6. STORMWATER PIPES ARE TO BE INSTALLED IN ACCORDANCE WITH AS 3725.
7. ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH COUNCIL STANDARDS AND CONSTRUCTION SPECIFICATIONS.
8. THE CONTRACTOR SHALL VERIFY LOCATIONS OF EXISTING SERVICES WITH ALL RELEVANT AUTHORITIES BEFORE COMMENCING CONSTRUCTION.
9. EXISTING STORMWATER NETWORK NEED TO BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
10. CONTRACTOR TO LOCATE AND EXPOSE ALL EXISTING SERVICES BEFORE CONSTRUCTION STARTS. EXISTING SERVICES TO BE RELOCATED WHERE NEEDED TO AVOID CLASHING.
11. ALL GRATED DRAINS TO BE ACO DRAIN WITH HEELSAFE GRATE OR APPROVED EQUIVALENT.

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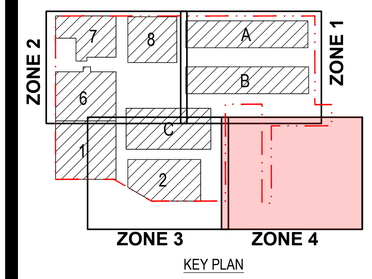

KEY PLAN

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PRECINCT 75

Title
STORMWATER DRAINAGE PLAN - ZONE 4

Project No. 301350227
Scale 1:150
Revision F
Drawing No. CI-DA-520-04

Plotted: 24/05/2023 4:53:20 PM By: DAT RANGE, MELISSA
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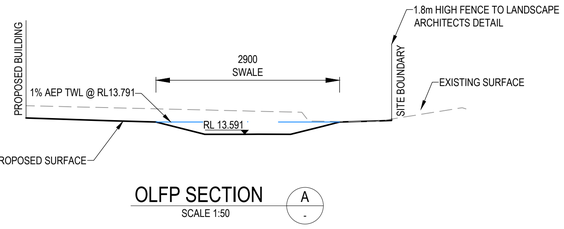
Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025



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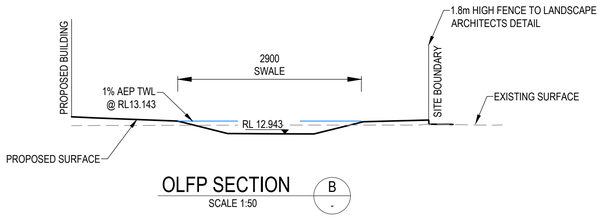
SCALE 1:50



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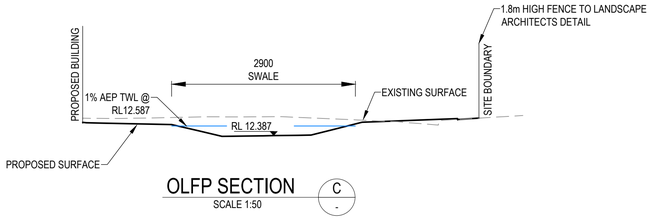
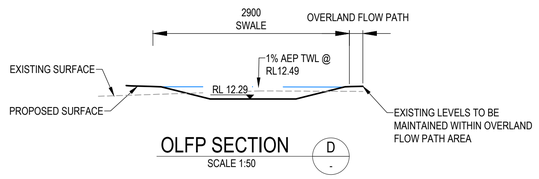
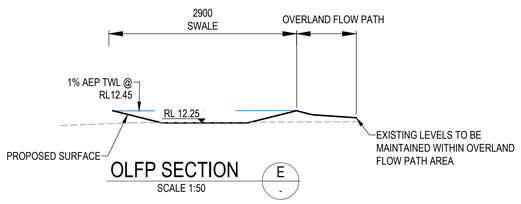


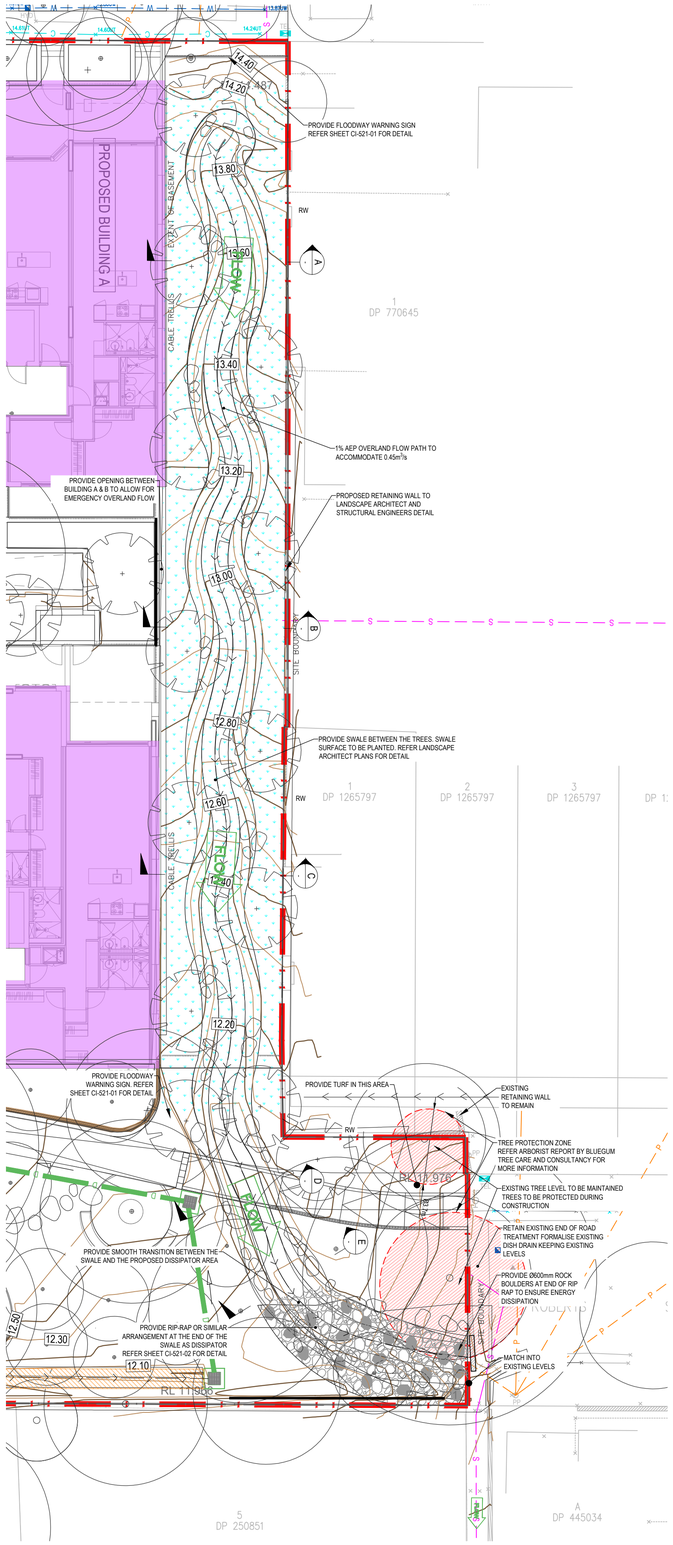
OLFP SECTION C
SCALE 1:50



OLFP SECTION D
SCALE 1:50



OLFP SECTION E
SCALE 1:50



1:50 1 0.5 0 1 2 A1
1:100 A3
1:150 1.5 0 1.5 3 4.5 6 7.5 A1
1:300 A3

LEGEND

- PROPOSED SITE BOUNDARY
- PROPOSED BASEMENT EXTENT
- PROPOSED BUILDING
- EXISTING BUILDING
- 14.0 DESIGN CONTOURS
- 18.0 EXISTING CONTOURS
- PROPOSED STORMWATER PIPE
- EXISTING STORMWATER PIPE
- FLOW OVERLAND FLOW
- PROPOSED GRATED DRAIN
- PROPOSED SWALE
- RW RETAINING WALL
- PROPOSED GRATED PIT
- PROPOSED JUNCTION PIT
- EXISTING STORMWATER PIT
- PROPOSED RIP RAP
- ROCK BOULDERS
- TREE PROTECTION ZONE

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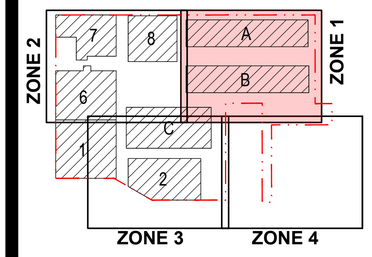

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PRECINCT 75

Title
OVERLAND FLOW PATH PLAN AND SECTIONS

Project No.
301350227

Scale
1:150

Revision
F

Drawing No.
CI-DA-521-01

Plotted: 26/05/2023 4:48:49 PM By: DAZ RUNDE, MELISSA
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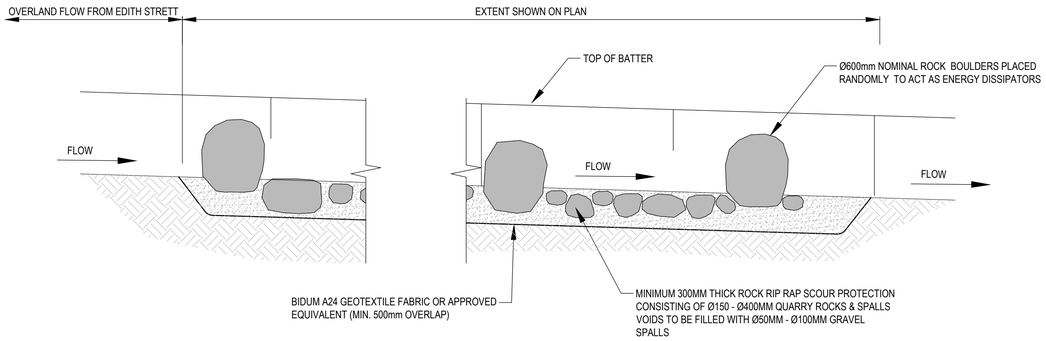


OVERLAND FLOW PATH RIP RAP DETAIL

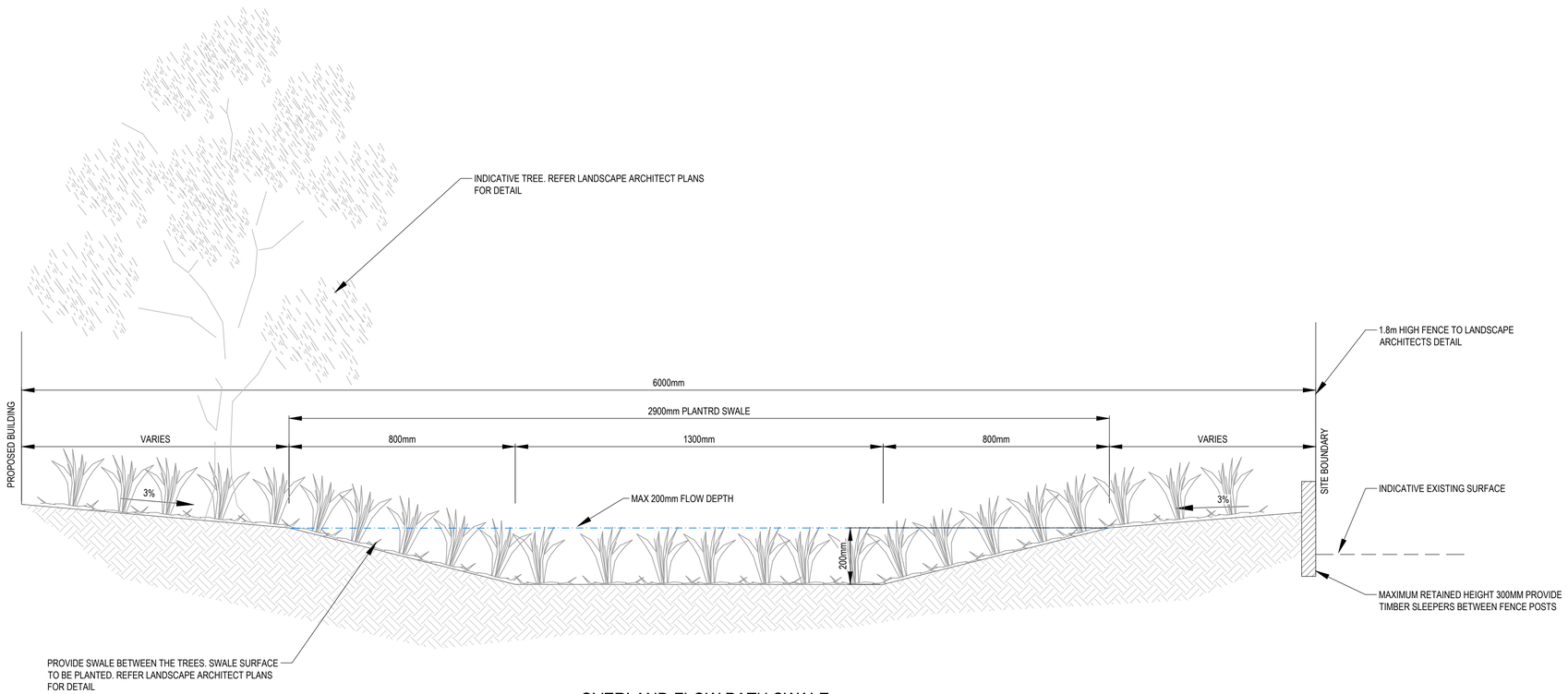
(SCALE 1:10)

SIGNAGE NOTES:

1. SIGN SHALL BE 600x450x1.6mm ALUMINIUM PLATE
2. COLOURS SHALL BE AS FOLLOWS:
   TRIANGLE = RED
   "WARNING" = RED
   WATER = BLUE
   PICTURE = BLACK
   WORDING = BLACK
3. SIGN TO BE FIXED TO FENCE IN A PROMINENT LOCATION WITHIN THE DETENTION BASIN AREA

FLOODWAY WARNING SIGN

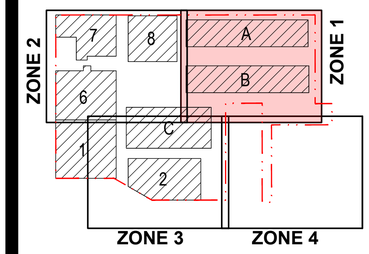
SCALE N.T.S.



OVERLAND FLOW PATH SWALE TYPICAL DETAIL

(SCALE 1:10)

1:10 0.1 0 0.1 0.2 0.3 0.4 0.5 A1
1:20 A3



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PRECINCT 75

Title
OVERLAND FLOW PATH DETAILS

Project No.
301350227

Scale
1:###

Revision
E

Drawing No.
CI-DA-521-02

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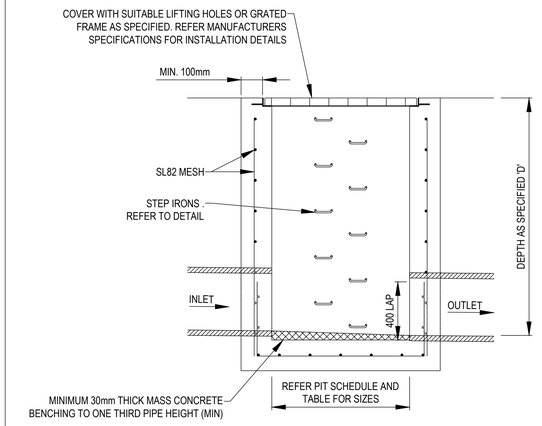
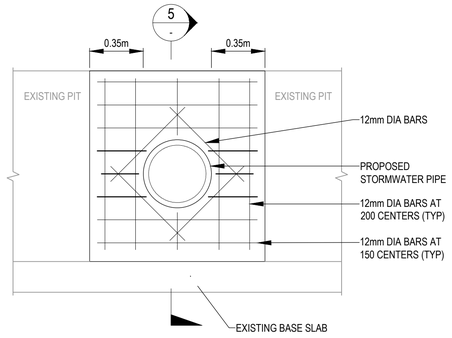


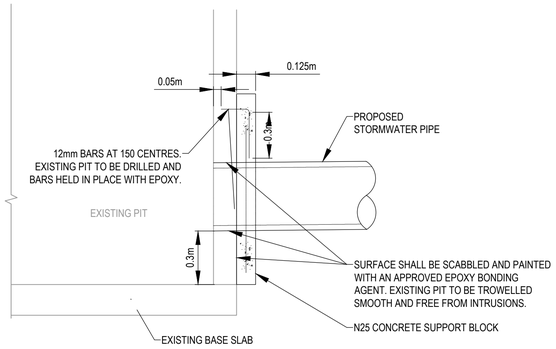
INTERNAL PIT DIMENSIONS (MIN.)		
'D'	'X'	'Y'
D < 600	450	450*
600 < D < 900	600	600*
900 < D < 1200	600	900
D > 1200	900	900

NOTE: PITS DENOTED *SHALL BE USED ONLY WHERE SPECIFIED IN DRAINAGE SCHEDULE OR ON PLAN



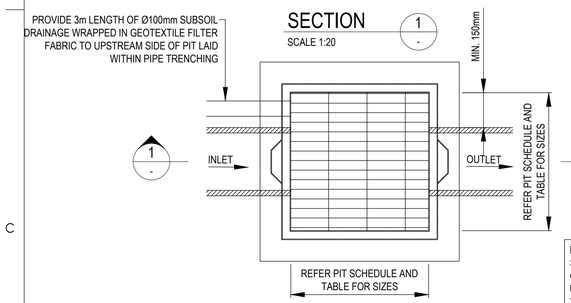
STORMWATER PIPE CONNECTION INTO EXISTING PIT

SCALE 1:20



SECTION 6

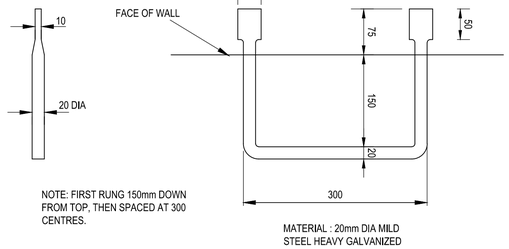
SCALE 1:20



PROVIDE 3m LENGTH OF Ø100mm SUBSOIL DRAINAGE WRAPPED IN GEOTEXTILE FILTER FABRIC TO UPSTREAM SIDE OF PIT LAID WITHIN PIPE TRENCHING

SURFACE INLET/JUNCTION PIT PLAN

SCALE 1:20

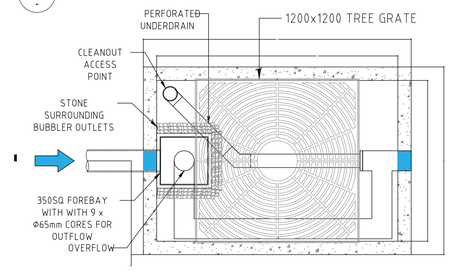


NOTE: FIRST RUNG 150mm DOWN FROM TOP, THEN SPACED AT 300 CENTRES.

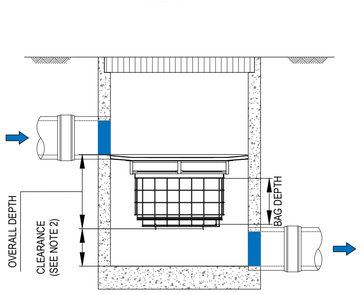
MATERIAL : 20mm DIA MILD STEEL HEAVY GALVANIZED

STEP IRONS DETAIL

N.T.S.

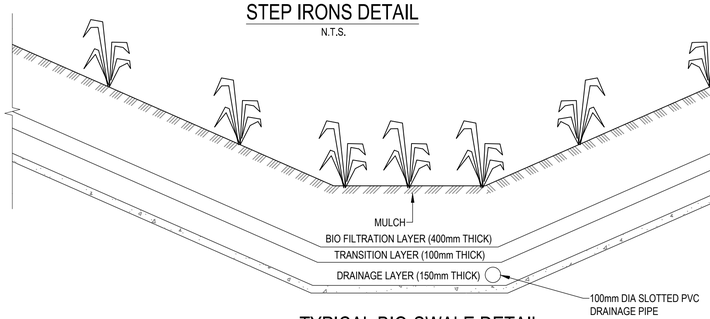


FILTERRA SYSTEM PLAN VIEW



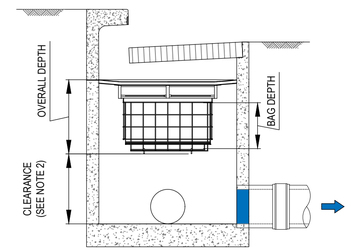
OCEANGUARD PIPE FLOW CONFIGURATION

SCALE 1:20



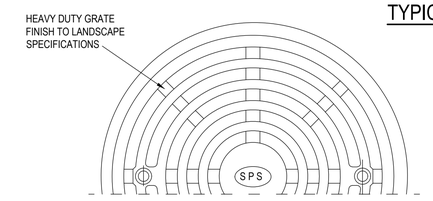
TYPICAL BIO-SWALE DETAIL

NOT TO SCALE

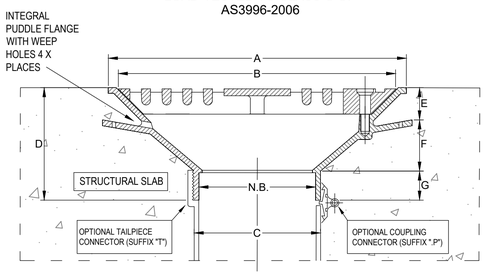


OCEANGUARD SURFACE FLOW CONFIGURATION

SCALE 1:20



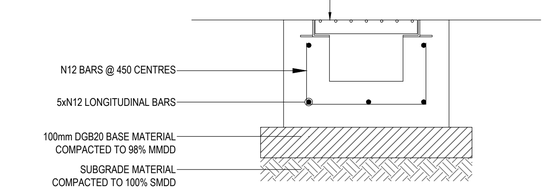
LOAD-TESTED TO CLASS C OF AS3996-2006



N.B	A	B	C	D	E	F	G	Flow rate* L/S
150	260	238	160	90	28	37	25	9.4

RWO VERTICAL DRAIN PUBLIC AREA

(SCALE 1:10)



FILTERRA SYSTEM SECTION A

GRATED TRENCH DRAIN

(SCALE 1:20)

1:20 0.2 0 0.2 0.4 0.6 0.8 1 A1
1:40 A3

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E	RE-ISSUE FOR S.456 APPROVAL	LPT	MDR	2023.05.26
D	ISSUE FOR S4.56 APPROVAL	LPT	MDR	2023.05.19
C	DRAFT ISSUED FOR S4.56 APPROVAL	LPT	MDR	2023.05.12
B	ISSUED FOR DA APPROVAL	JBC	RET	2022.07.06
A	DRAFT DA ISSUED FOR REVIEW	JBC	RET	2022.07.01
Issued/Revision		By	Appd	YYYY.MM.DD
File Name: 301350227-CI-DA-526-01.DWG		CPO	MDR	RET 2022.07.01
		Dwn.	Dsgn.	Chkd. YYYY.MM.DD

Issue Status

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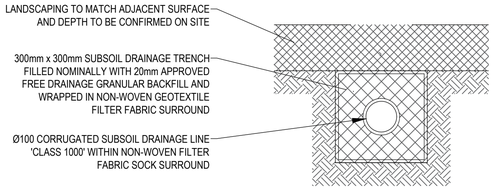
PRECINCT 75

Title
STORMWATER DRAINAGE DETAILS - SHEET 1

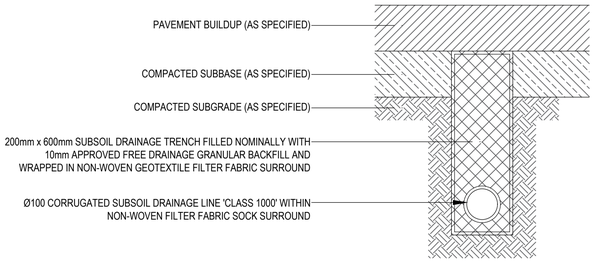
Project No. 301350227
Scale 1:20
Revision **E**
Drawing No. **CI-DA-526-01**

Plotted: 26/05/2023 4:45:33 PM By: CRAIG RUNDE, MELBSA
C:\301350227\PROJECT DOCUMENTATION\CIVIL\DRAWINGS & OBJECTS\DA SUBMISSION
ORIGINAL SHEET - ISO A1 COORD - MGA/94-Zone 56 DATUM - mAHD
Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025



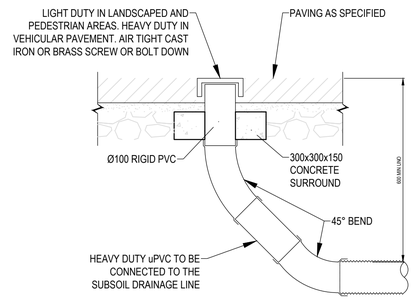
SUBSOIL DRAINAGE TRENCH DETAIL - UNDER LANDSCAPE AREAS

(SCALE 1:20)



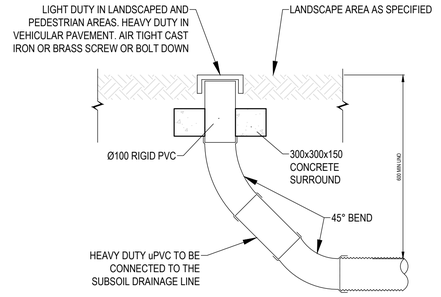
SUBSOIL DRAINAGE TRENCH DETAIL - UNDER PAVEMENT BUILTUP

(SCALE 1:20)



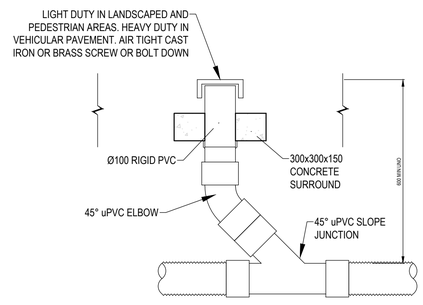
FLUSH OUT RISER IN PAVED AREAS

(SCALE 1:20)



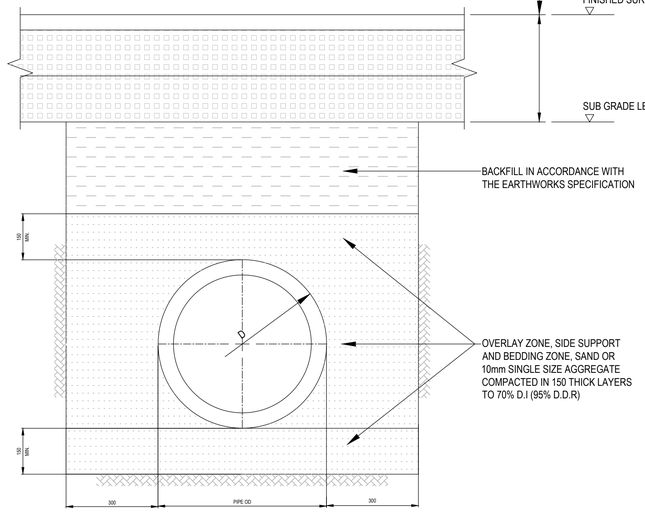
FLUSH OUT RISER IN LANDSCAPED AREAS

(SCALE 1:20)



INTERMEDIATE FLUSH OUT RISER

(SCALE 1:20)

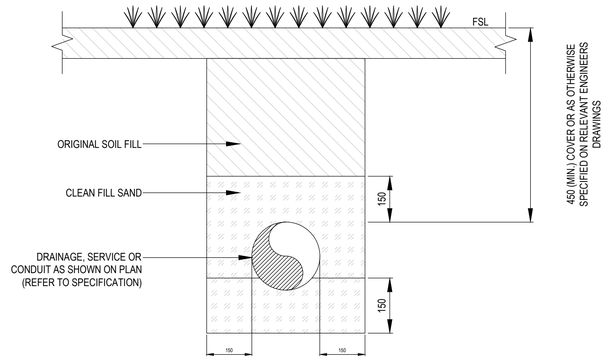


FLEXIBLE PIPES UNDER PAVEMENTS

SCALE 1:20

SAND GRADING (TABLE G3 AS 2566.2)	
SIEVE SIZE (mm)	WEIGHT PASSING (%)
4.75	100 TO 90
2.36	90 TO 100
1.18	85 TO 100
0.60	70 TO 100
0.30	50 TO 100
0.15	0 TO 40
0.075	0 TO 5

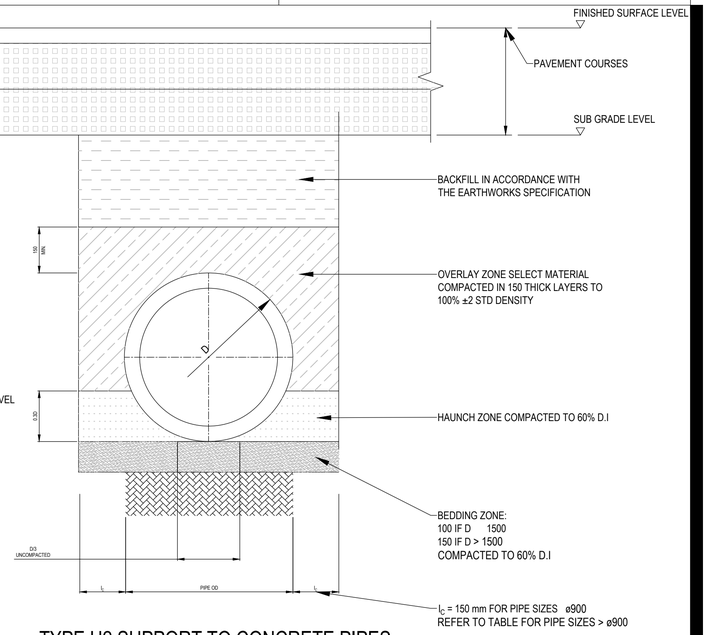
10mm SINGLE-SIZE AGGREGATE GRADING (TABLE G2 AS 2566.2)	
SIEVE SIZE (mm)	WEIGHT PASSING (%)
13.20	100
9.50	85 TO 100
4.75	0 TO 20
2.36	0 TO 5
0.075	0 TO 2



BACKFILL TO DRAINAGE, SERVICES AND CONDUITS IN LANDSCAPE AREAS (TYP.)

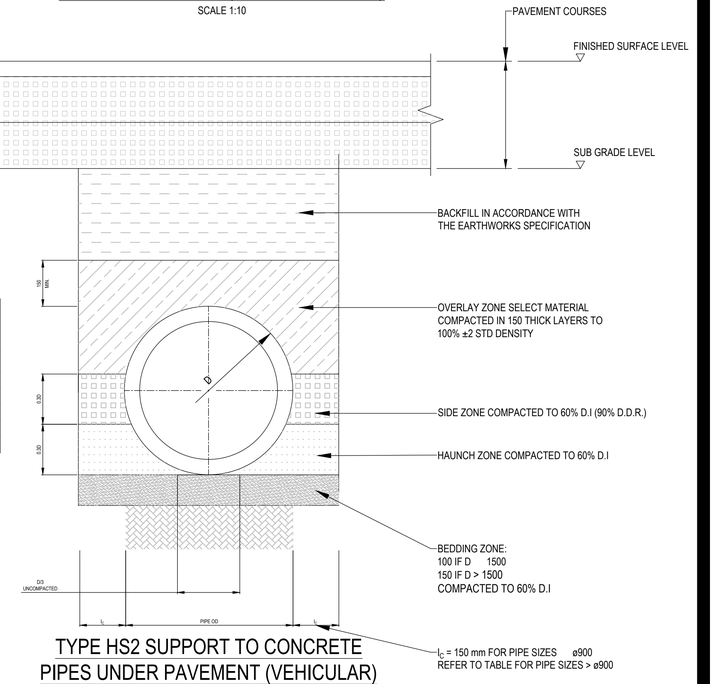
SCALE: NTS

NOTES
1. TYPICAL DETAIL TO BE USED FOR ALL DRAINAGE SERVICES RUNNING UNDER LANDSCAPE
2. DRAINAGE INCLUDES ALL GRAVITY SERVICES (INCLUDES CONCRETE AND PLASTIC PIPES)
3. SERVICES INCLUDES ALL PRESSURE PIPES
4. FOR NEW SERVICE PIPES OR CONDUITS, REFER TO PLANS FOR SIZES AND LOCATIONS



TYPE H2 SUPPORT TO CONCRETE PIPES UNDER PAVEMENT (NON-VEHICULAR)

SCALE 1:10



TYPE HS2 SUPPORT TO CONCRETE PIPES UNDER PAVEMENT (VEHICULAR)

SCALE 1:20

BEDDING & HAUNCH MATERIAL GRADING (TABLE 6 AS/NZS 3725)	
SIEVE SIZE (mm)	WEIGHT PASSING (%)
19.00	100
2.36	100 TO 50
0.60	90 TO 20
0.30	60 TO 10
0.15	25 TO 0
0.075	10 TO 0

SIDE ZONE WIDTH	
PIPE SIZE (mm)	l_C (mm)
ø900	150
ø1050	175
ø1200	200
ø1350	225
ø1500	250
ø1650	275
ø1800	300

SIDE ZONE MATERIAL GRADING (TABLE 7 AS/NZS 3725)	
SIEVE SIZE (mm)	WEIGHT PASSING (%)
19.00	100
9.50	100 TO 50
2.60	100 TO 30
0.60	50 TO 15
0.075	25 TO 0

1:20 0.2 0 0.2 0.4 0.6 0.8 1 A1
1:40 A3

ORIGINAL SHEET - ISO A1 COORD - MGA/94-Zone 56 DATUM - mAHD

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025

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B	ISSUED FOR DA APPROVAL	JBC	RET	2022.07.06
A	DRAFT DA ISSUED FOR REVIEW	JBC	RET	2022.07.01
Issued/Revision		By	Appd	YYYY.MM.DD

File Name: 301350227-CI-DA-526-01.DWG	CPO	MDR	RET	2022.07.01
	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Issue Status

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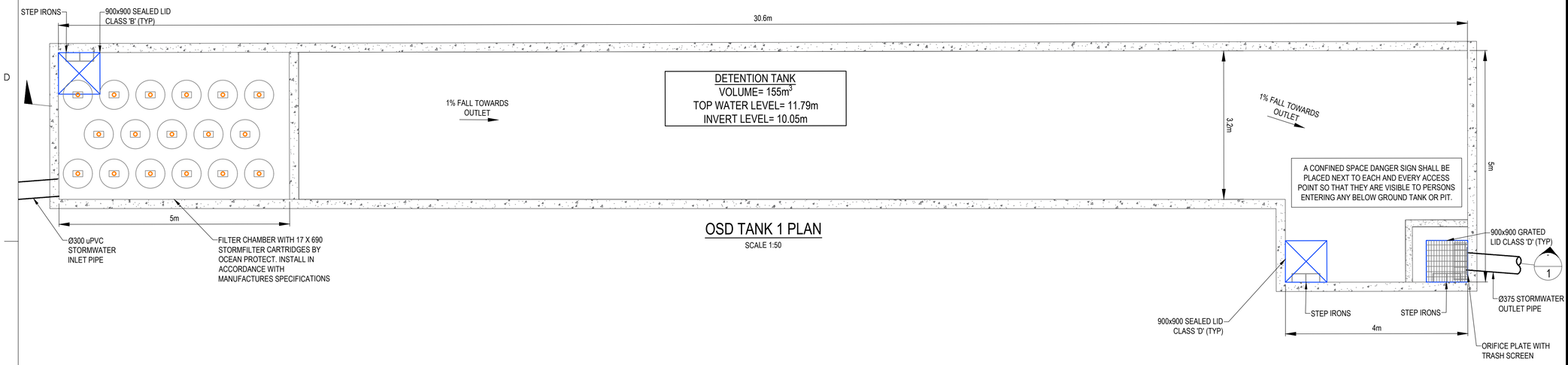
PRECINCT 75

Title
STORMWATER DRAINAGE DETAILS - SHEET 2

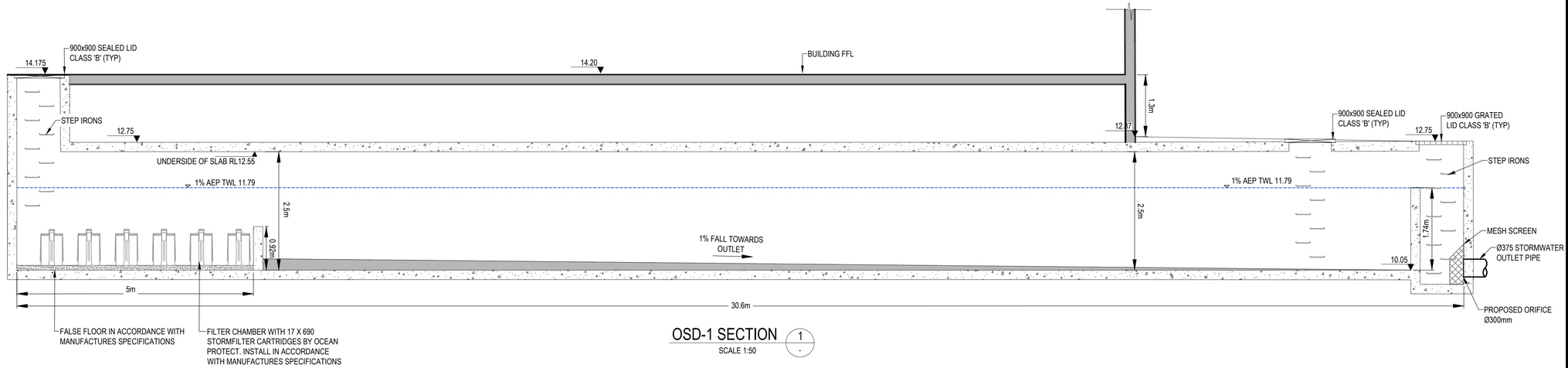
Project No.	Scale
301350227	1:20
Revision	Drawing No.
E	CI-DA-526-02

Plotted: 26/05/2023 4:46:09 PM By: DIAZ RAINE, MELISSA
J:\301350227\PROJECT DOCUMENTATION\CIVIL\DRAWINGS & DESIGN\SHEETS\DA SUBMISSION



OSD TANK 1 PLAN

SCALE 1:50

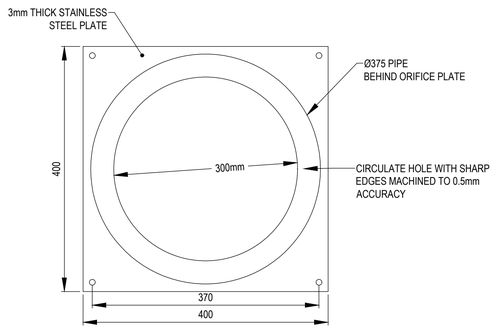


OSD-1 SECTION

1
-

SCALE 1:50

1:50 0.5 0 0.5 1 1.5 2 2.5 A1
1:100 A3
1:20 0.2 0 0.2 0.4 0.6 0.8 1 A1
1:40 A3



OSD TANK 1 ORIFICE PLATE DETAIL

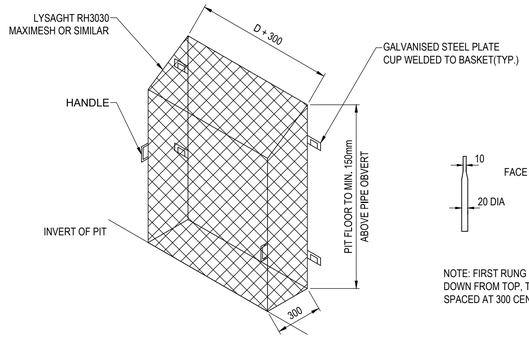
SCALE 1:5

NOTES:

1. A CONFINED SPACE DANGER SIGN SHALL BE PLACED NEXT TO EACH AND EVERY ACCESS POINT SO THAT THEY ARE VISABLE TO PERSONS ENTERING ANY BELOW GROUND TANK OR PIT.
2. COLOURS:
   DANGER AND BACKGROUND = WHITE
   ELLIPTICAL AREA = RED
   RECTANGLE CONTAINING ELLIPSE = BLACK
   OTHER LETTERING AND BORDER = BLACK
3. MINIMUM DIMENSIONS OF SIGN.
   LARGE ENTRIES: 300mm x 450mm
   SMALL ENTRIES: 250mm x 180mm
4. SIGN TO BE MADE FROM COLOUR BONDED ALUMINUM OR POLYPROPYLENE.
5. SIGN FIXED USING HILTI CHEMSETS OR EPOXY.

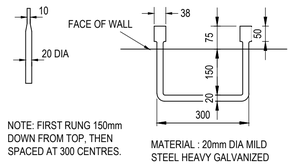
CONFINED SPACE SIGN

SCALE N.T.S.



SCREEN MESH DETAIL

N.T.S.



NOTE: FIRST RUNG 150mm DOWN FROM TOP, THEN SPACED AT 300 CENTRES.

MATERIAL : 20mm DIA MILD STEEL HEAVY GALVANIZED

STEP IRONS FOR DRAINAGE PITS

N.T.S.

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F	RE-ISSUE FOR S.456 APPROVAL	LPT	MDR	2023.05.26
E	ISSUE FOR S4.56 APPROVAL	LPT	MDR	2023.05.19
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A	DRAFT DA ISSUED FOR REVIEW	JBC	RET	2022.07.01
Issued/Revision		By	Appd	YYYY.MM.DD
File Name: 301350227-CI-DA-526-01.DWG		CPO	MDR	RET	2022.07.01
		Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

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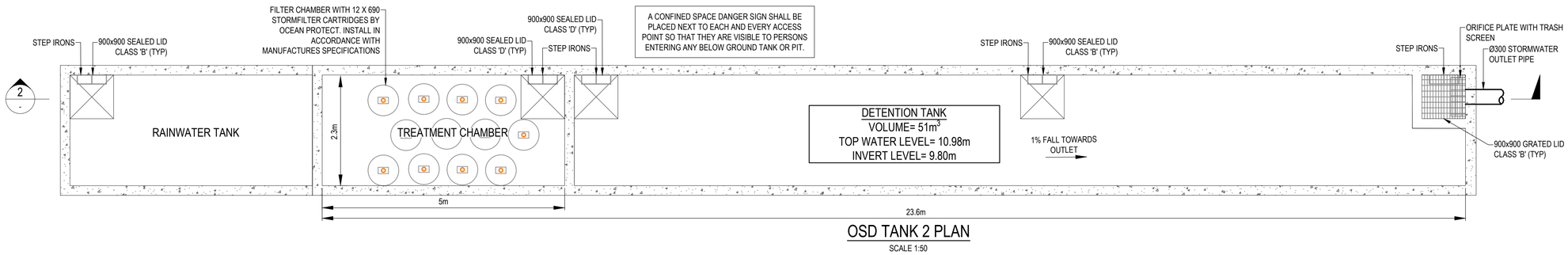
PRECINCT 75

Title
STORMWATER DRAINAGE DETAILS - SHEET 3

Project No.	Scale
301350227	1:50
Revision: F	Drawing No.: CI-DA-526-03

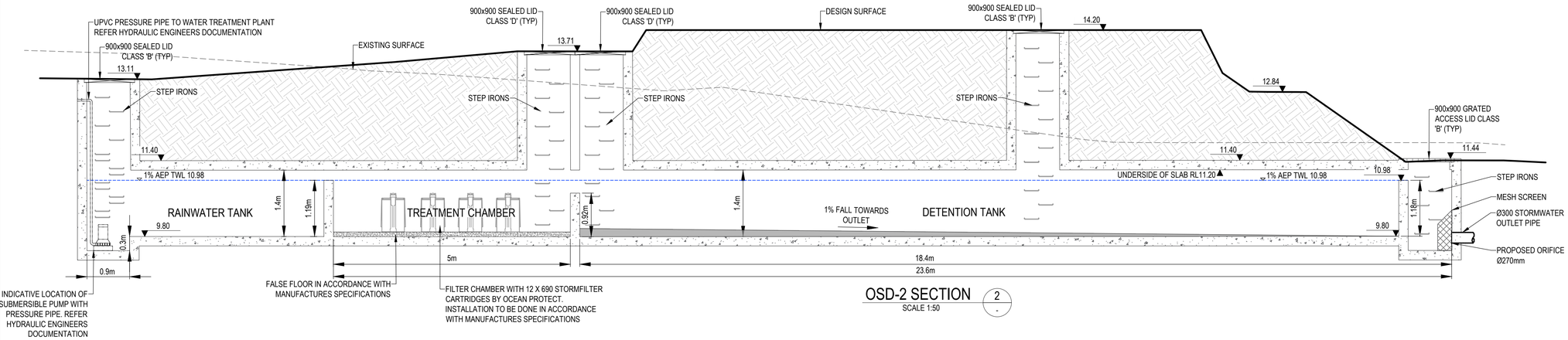
Plotted: 26/05/2023 4:44:41 PM By: DAZ RUNDE, MELBSA
J:\301350227\PROJECT DOCUMENTATION\CIVIL\DRAWINGS & OBSRVN\REPORT\DA SUBMISSION\
ORIGINAL SHEET - ISO A1 COORD - MGA/94-Zone 56 DATUM - mAHD

Document Set ID: 40330703
Version: 1, Version Date: 01/04/2025



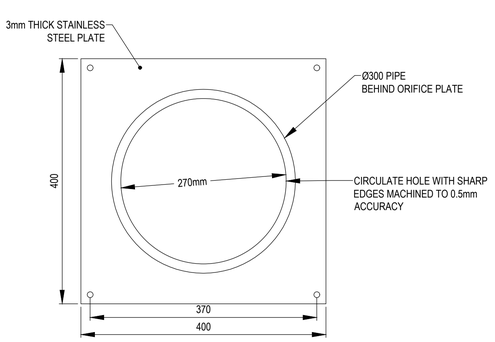
OSD TANK 2 PLAN

SCALE 1:50



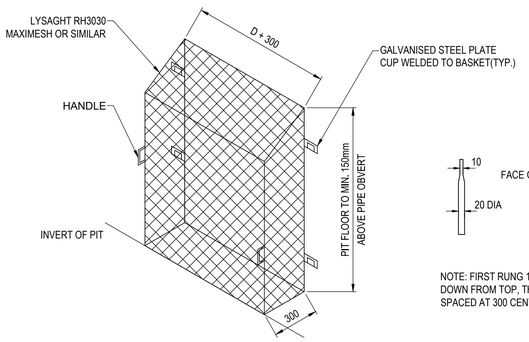
OSD-2 SECTION

SCALE 1:50



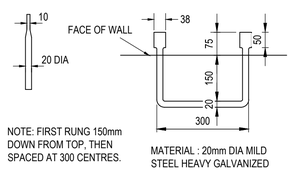
OSD TANK 2 ORIFICE PLATE DETAIL

SCALE 1:5



SCREEN MESH DETAIL

N.T.S.



STEP IRONS FOR DRAINAGE PITS

N.T.S.

CONFINED SPACE SIGN

SCALE N.T.S.

NOTES:
1. A CONFINED SPACE DANGER SIGN SHALL BE PLACED NEXT TO EACH AND EVERY ACCESS POINT SO THAT THEY ARE VISABLE TO PERSONS ENTERING ANY BELOW GROUND TANK OR PIT.
2. COLOURS:
   DANGER AND BACKGROUND = WHITE
   ELLIPTICAL AREA = RED
   RECTANGLE CONTAINING ELLIPSE = BLACK
   OTHER LETTERING AND BORDER = BLACK
3. MINIMUM DIMENSIONS OF SIGN.
   LARGE ENTRIES: 300mm x 450mm
   SMALL ENTRIES: 250mm x 180mm
4. SIGN TO BE MADE FROM COLOUR BONDED ALUMINUM OR POLYPROPYLENE.
5. SIGN FIXED USING HILTI CHEMSETS OR EPOXY.

1:50 0.5 0 0.5 1 1.5 2 2.5 A1
1:100 A3
1:20 0.2 0 0.2 0.4 0.6 0.8 1 A1
1:40 A3

Stantec

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Colour Disclaimer

This drawing has been documented in colour. This drawing is required to be printed in colour. Failure to do so may result in loss of information. Black and white printing may be used if specific black and white documents have been obtained from Stantec.

Notes

1. Stantec's role on this project is to produce D&C engineering services design, fit for pricing purposes and our agreement does not include an allowance for the builder's, or developers, commercial risks on the project. Under this D&C contract, each service contractor and head principal contractor shall understand that the documentation is not complete and they shall make due consideration of risks and make their own judgement on the completeness of documents at the time of pricing. It is likely that additional costs will arise as the design and documentation phase is completed by the head contractor and associated sub-contractors, as part of the design finalisation stage. This is characteristic of the D&C process. The builder principal contractor and service sub-contractor must allow suitable cost contingencies considering the progress and completeness of the documentation at the time of pricing. Stantec is not liable for any cost increase due to initial pricing being based on documentation that is not fully comprehensive. The service contractor's price shall allow sufficient contingency to cover the risk due the nature of the documentation being a D&C package.

2. Given the D&C nature of this project, the contractor must inspect the existing site to familiarise with the site, understanding the scope of the proposed services and the complexities surrounding its installation, extent of existing services and the demolition scope and importantly, to ascertain any latent conditions that could hinder services design and installation. Site inspection must be carried out prior to signing of contract. No variations will be allowed whatsoever resulting from the lack of site knowledge on the part of the D&C contractor. Any variations resulting from the lack of site knowledge will be the sole responsibility of the D&C contractor.

F	RE-ISSUE FOR S.456 APPROVAL	LPT	MDR	2023.05.26
E	ISSUE FOR S4.56 APPROVAL	LPT	MDR	2023.05.19
D	DRAFT ISSUED FOR S4.56 APPROVAL	LPT	MDR	2023.05.12
C	ISSUED FOR DA APPROVAL	LPT	MDR	2022.10.21
B	ISSUED FOR DA APPROVAL	JBC	RET	2022.07.06
A	DRAFT DA ISSUED FOR REVIEW	JBC	RET	2022.07.01
Issued/Revision		By	Appd	YYYY.MM.DD

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	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Issue Status

TENDER ISSUE

NOT FOR CONSTRUCTION

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Use of this document for any other purpose is not permitted.

Client/Project Logo

home cox

Client/Project
HOME

PRECINCT 75

Title
STORMWATER DRAINAGE DETAILS - SHEET 4

Project No.
301350227

Scale
1:50

Revision
F

Drawing No.
CI-DA-526-04

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