

SITE BOUNDARY

PUBLIC DOMAIN AREA
FINISH TO ARCHITECTS' DETAIL

VEHICULAR CROSSING AND DRIVEWAY

PRIVATE AREA INSIDE SITE BOUNDARY

PROPOSED CONTOUR MAJOR

PROPOSED CONTOUR MINOR

GRADIENT FALL

LANDSCAPE SPOT LEVELS

EXISTING STORM WATER PIT (TO EXISTING STORM WATER SYSTEM)

EXISTING STORM WATER GRATE TRENCH (TO EXISTING STORM WATER SYSTEM)

EXISTING STORM WATER PIPES

NOTE: (FOR INFORMATION ONLY)

1- FOR PEDESTRIAN LINK ELEVATION, REFER TO LANDSCAPE ARCHITECT DRAWINGS.

2- FOR DRAINAGE PITS DETAILS, REFER TO HYDRAULIC ENGINEERING DRAWINGS.

3- NEW PIT DETAILS, REFER TO CV-0200

D	13.04.18	REVISED FOR DA SUBMISSION	IM	QEJ	
C	03.04.18	FOR APPROVAL	IM	QEJ	
B	14.11.17	FOR APPROVAL	IM	QEJ	
A	24.10.17	FOR INFORMATION	IM	QEJ	
rev	date	description	drn	ch'k	

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The logo for enstruct, featuring the word "enstruct" in a blue, lowercase, sans-serif font. The "e" is stylized with a thick stroke.

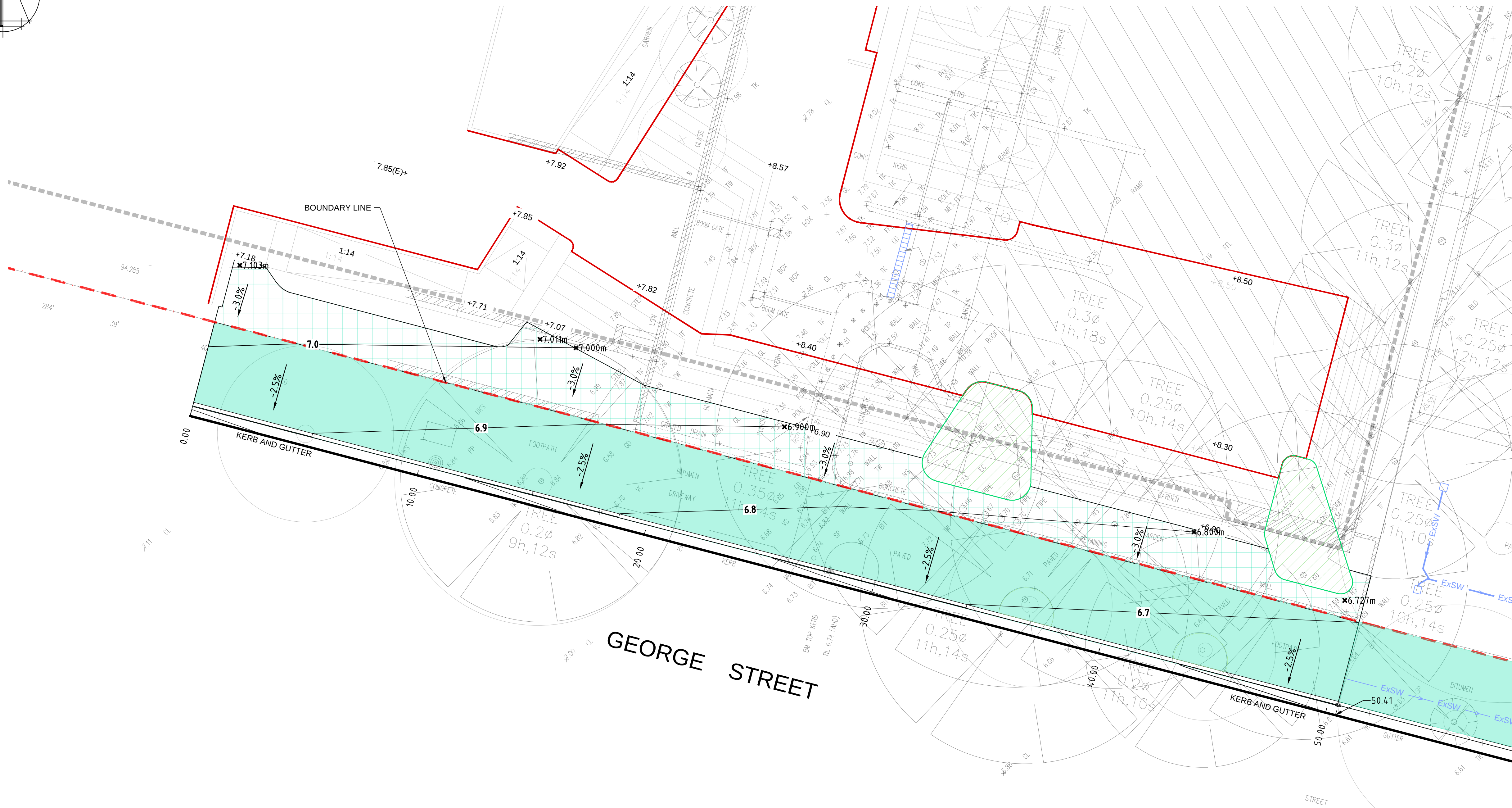
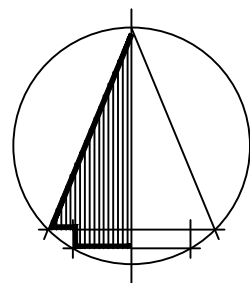
project
150 GEORGE ST PARRAMATTA

drawing title

GENERAL ARRANGEMENT
PLAN GEORGE STREET
AND CHARLES STREET
PUBLIC DOMAIN

status **FOR DA SUBMISSION**

scale at A1 1:200	drawn by IM	checked QEJ	date APR-18
project no. 5336	drawing no. CIV-0101	rev. D	



LEGEND

- SITE BOUNDARY
- PUBLIC DOMAIN AREA
FINISH TO ARCHITECTS DETAILS
- VEHICULAR CROSSING
AND DRIVEWAY
- PRIVATE AREA INSIDE
SITE BOUNDARY
- 7.0 — PROPOSED CONTOUR MAJOR
- 6.8 — PROPOSED CONTOUR MINOR
- ↘ -2.5% GRADIENT FALL
- +7.40 LANDSCAPE SPOT LEVELS
- EXISTING STORM WATER PIT
(TO EXISTING STORM
WATER SYSTEM)
- EXISTING STORM WATER
GRATE TRENCH (TO EXISTING
STORM WATER SYSTEM)
- ↘ ExSW EXISTING STORM WATER
PIPES

D	13.04.18	REVISED FOR DA SUBMISSION	IM	QEJ
C	03.04.18	FOR APPROVAL	IM	QEJ
B	14.11.17	FOR APPROVAL	IM	QEJ
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rev	date	description	dwn	chk

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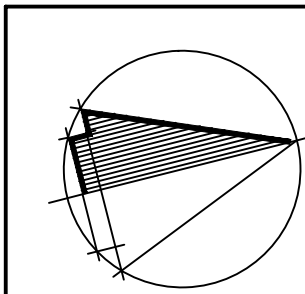
project
150 GEORGE ST PARRAMATTA

drawing title
GENERAL ARRANGEMENT
PLAN
GEORGE STREET PUBLIC
DOMAIN

status
FOR DA SUBMISSION

scale at A1 1:100	drawn by IM	checked QEJ	date APR-17
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project no. 5336	drawing no. CIV-0102	rev. D
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CHARLES STREET

LEGEND

- SITE BOUNDARY
- PUBLIC DOMAIN AREA
FINISH TO ARCHITECTS DETAILS
- VEHICULAR CROSSING
AND DRIVEWAY
- PRIVATE AREA INSIDE
SITE BOUNDARY
- 7.0 —— PROPOSED CONTOUR MAJOR
- 6.8 —— PROPOSED CONTOUR MINOR
- ↘ -2.5% GRADIENT FALL
- +7.40 LANDSCAPE SPOT LEVELS
- EXISTING STORM WATER PIT
(TO EXISTING STORM
WATER SYSTEM)
- EXISTING STORM WATER
GRATE TRENCH (TO EXISTING
STORM WATER SYSTEM)
- ExSW EXISTING STORM WATER
PIPES

D	13.04.18	REVISED FOR DA SUBMISSION	IM	QEJ
C	03.04.18	FOR APPROVAL	IM	QEJ
B	14.11.17	FOR APPROVAL	IM	QEJ
A	24.10.17	FOR INFORMATION	IM	QEJ
rev	date	description	dwn	ch'k

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project
150 GEORGE ST PARRAMATTA

drawing title
**GENERAL ARRANGEMENT
PLAN
CHARLES STREET PUBLIC
DOMAIN**

status
FOR DA SUBMISSION

scale at A1 1:100	drawn by IM	checked QEJ	date APR-17
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project no. 5336	drawing no. CIV-0103	rev. D
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GEORGE STREET

PROPOSED
CONNECTION POINT
REFER TO SHEET
CIV-0200

EXISTING PIT TO
BE REMOVED
IL 6.330

EXISTING PIT TO
BE REMOVED
IL 6.350

150 GEORGE
STREET

130 GEORGE
STREET

105 PHILLIP
STREET

PHILLIP STREET

EXISTING
107
PHILLIP STREET

LEGEND

- ExSW EXISTING STORMWATER LINE
- EXISTING GRATED PIT
- EXISTING JUNCTION PIT
- STORMWATER COUNCIL EASEMENT (DP 623533)
- EXISTING PIT AND LINE TO BE DEMOLISHED
- EXISTING GRATED DRAIN
- EXISTING BUILDING

A	16.04.18	FOR DA SUBMISSION	MM	QEJ
rev	date	description	dwn	chk

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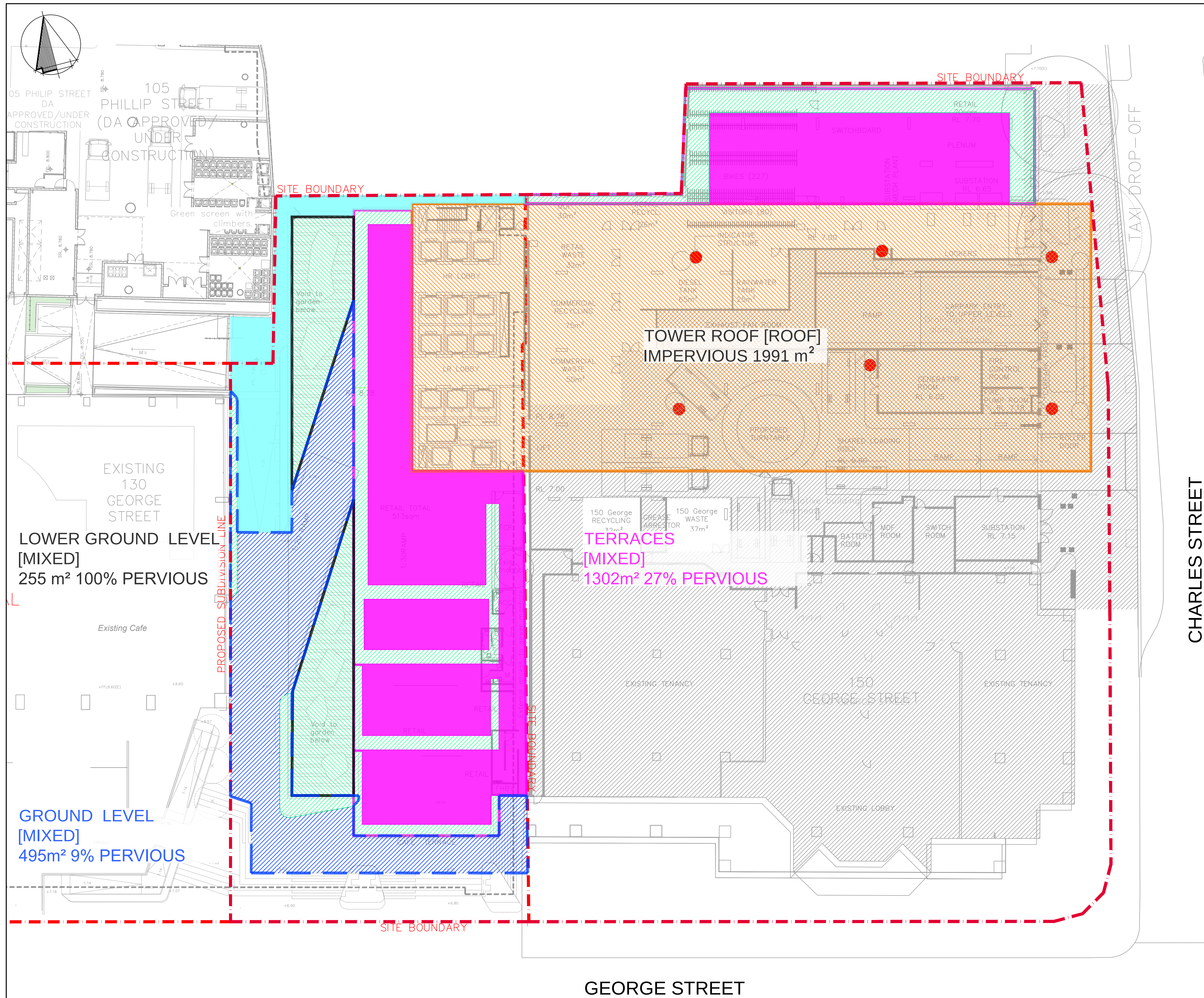
project
150 GEORGE ST PARRAMATTA

drawing title
EXISTING STORMWATER
NETWORK

status
FOR DA SUBMISSION

scale at A1 1:200	drawn by MM	checked QEJ	date NOV-17
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project no. 5336	drawing no. CIV-0210	rev. A
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MUSIC CATCHMENTS:

- | | |
|---|------------------------|
|  | GROUND FLOOR |
|  | LOWER GROUND FLOOR |
|  | PEDESTRIAN LINK |
|  | TERRACES |
|  | ROOF TOWER |
|  | DENOTES LANDSCAPE AREA |
|  | EXISTING BUILDING |

FOR MUSIC MODEL LAYOUT AND
RESULTS REFER TO SHEET CIV-852

C	13.04.18	REVISED FOR DA SUBMISSION	MM	QEJ	
B	07.04.18	FOR INFORMATION	MM	QEJ	
A	06.04.18	FOR INFORMATION	MM	QEJ	
rev	date	description	drm	ch'k	

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150 GEORGE ST PARRAMATTA

drawing title

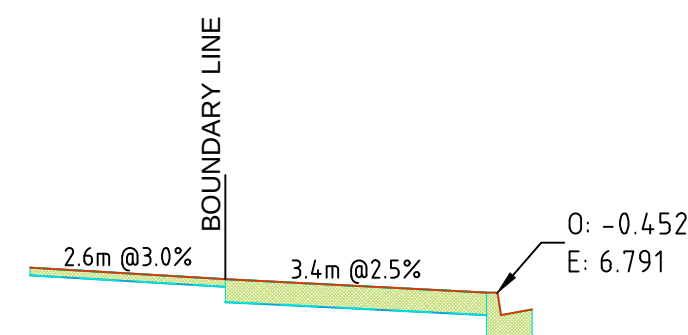
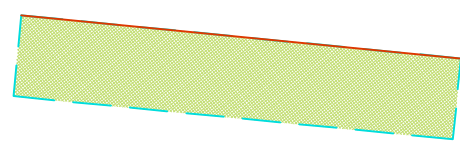
**STORMWATER MUSIC
CATCHMENT PLAN**

status FOR DA SUBMISSION

scale at A1 1:100	drawn by MM	checked QEJ	date NOV-17
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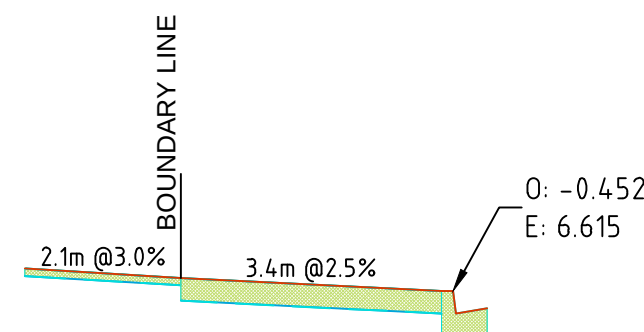
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LEGEND



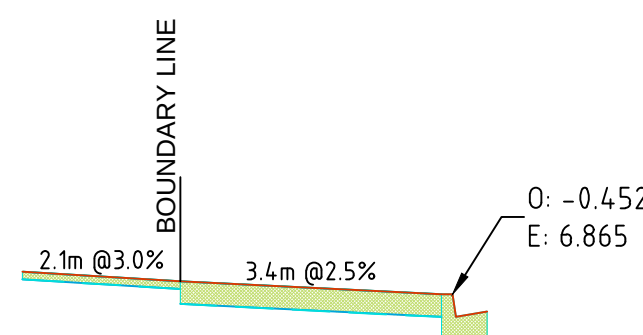
Datum: 5.000			
PROPOSED LEVELS	6.955	6.877	6.678
OFFSETS	-6.640	-4.052	0.000

Chainage 20.000



Datum: 5.000				
PROPOSED LEVELS	6.763	6.702	6.502	
OFFSETS	-6.111	-4.052	0.000	

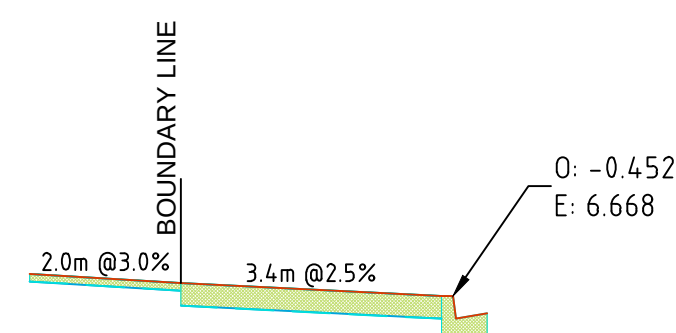
Chainage 50.000



Datum: 5.000

<u>PROPOSED LEVELS</u>	7.014	6.951	6.752
OFFSETS	-6.112	-4.052	0.000

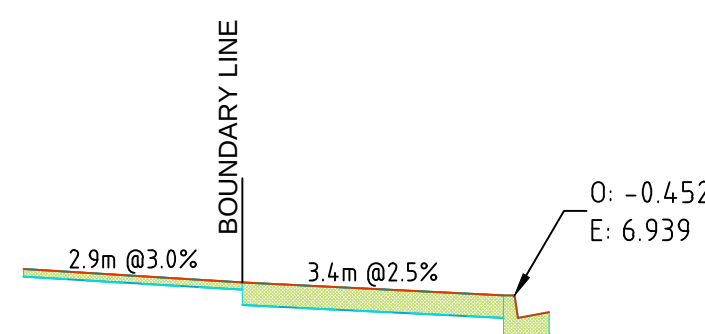
Chainage 10.000



Datum: 5.000

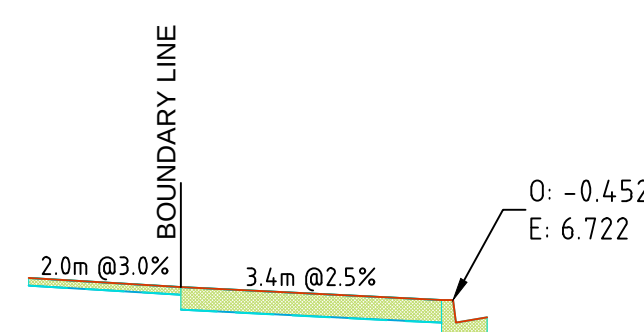
<u>PROPOSED LEVELS</u>	6.815	6.755	6.555
OFFSETS	-6.050	-4.052	0.000

Chainage 40.000



Datum: 5.000	
PROPOSED LEVELS	7.112
OFFSETS	-6.951

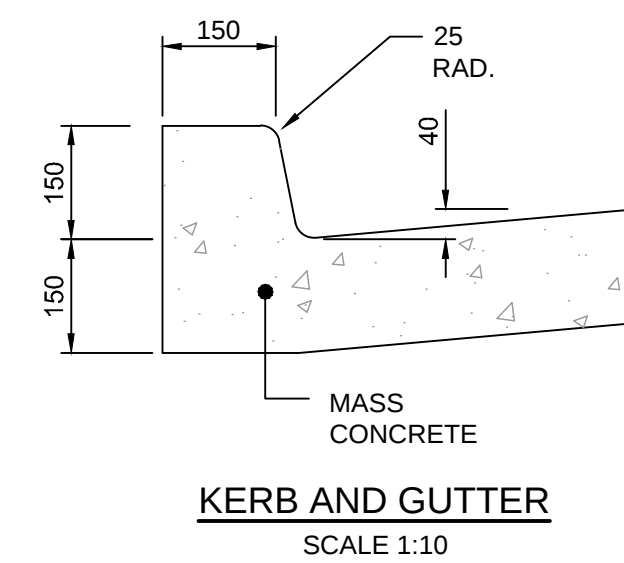
Chainage 00.000



Datum: 5.000

<u>PROPOSED LEVELS</u>	6.868	6.808	6.608
OFFSETS	-6.059	-4.052	0.000

Chainage 30.000



C	03.04.18	REVISED FOR DA SUBMISSION	IM	QE
B	14.11.17	FOR APPROVAL	IM	QE
A	24.10.17	FOR INFORMATION	IM	QE
rev	date	description	drrn	ch'

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project
150 GEORGE ST PARRAMATTA

drawing title

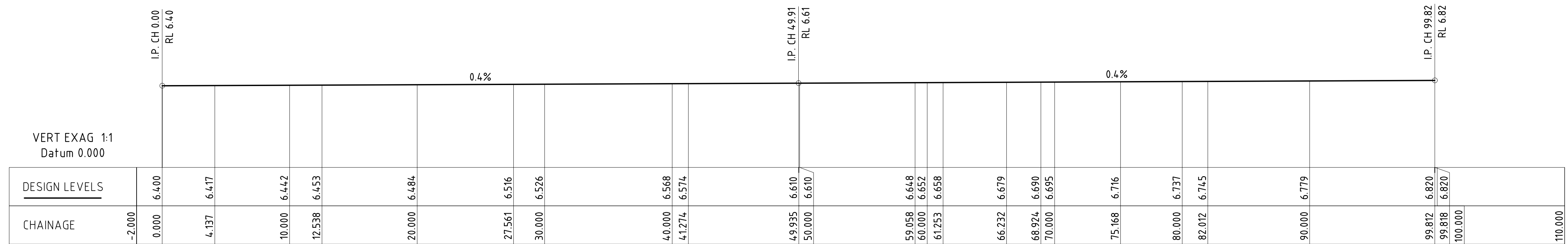
GEORGE STREET PUBLIC
DOMAIN SECTIONS

status FOR DA SUBMISSION

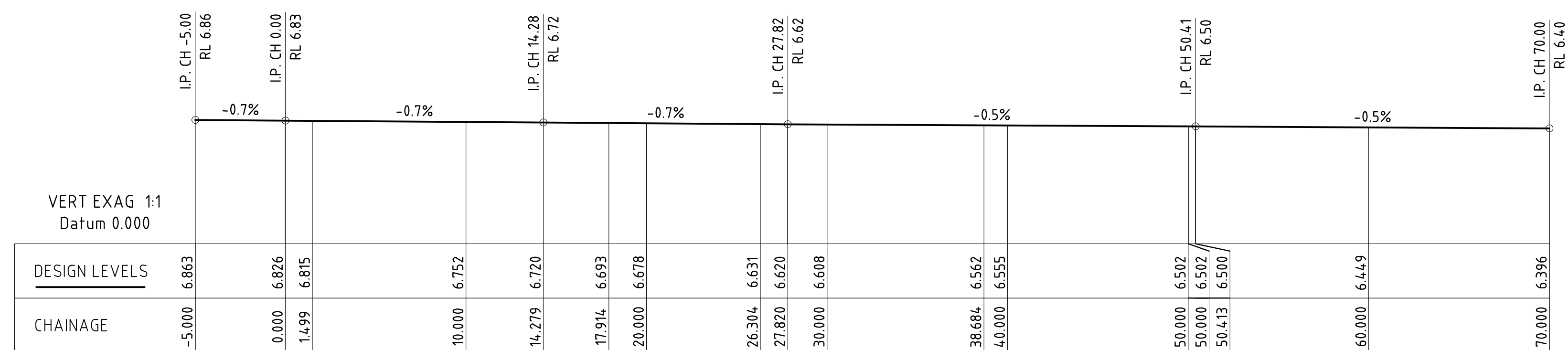
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project no. 5336	drawing no. CIV-0701	rev. C
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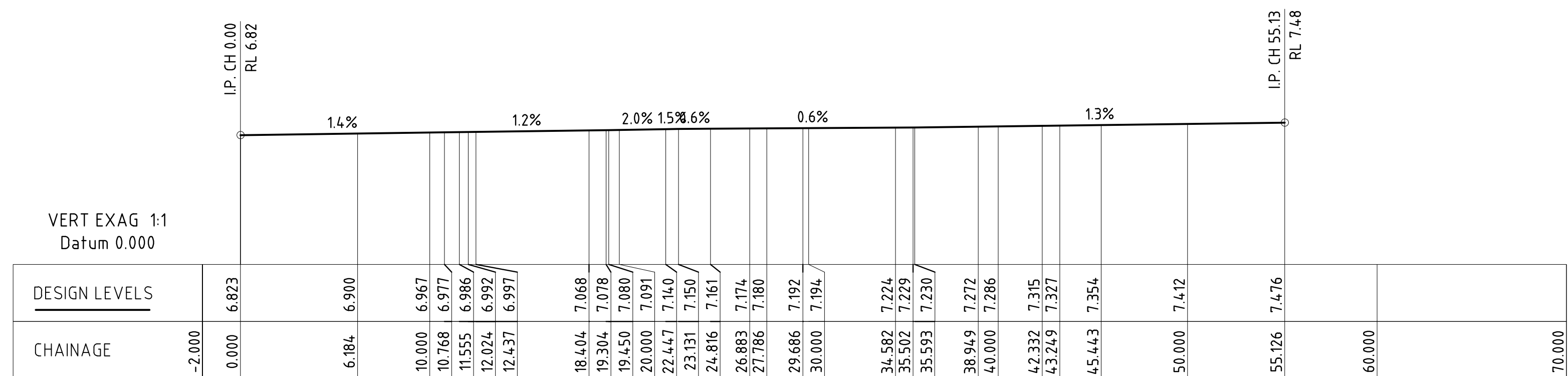
rev.
C



LIP OF KERB EXISTING BETWEEN GEORGE AND CHARLES LONG SECTION



LIP OF KERB GEORGE ST. LONG SECTION



LIP OF KERB CHARLES ST. LONG SECTION

C	03.04.18	REVISED FOR DA SUBMISSION	IM	QEJ
B	14.11.17	FOR APPROVAL	IM	QEJ
A	24.10.17	FOR INFORMATION	IM	QEJ
rev	date	description	drn	ch'k

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project
150 GEORGE ST PARRAMATTA

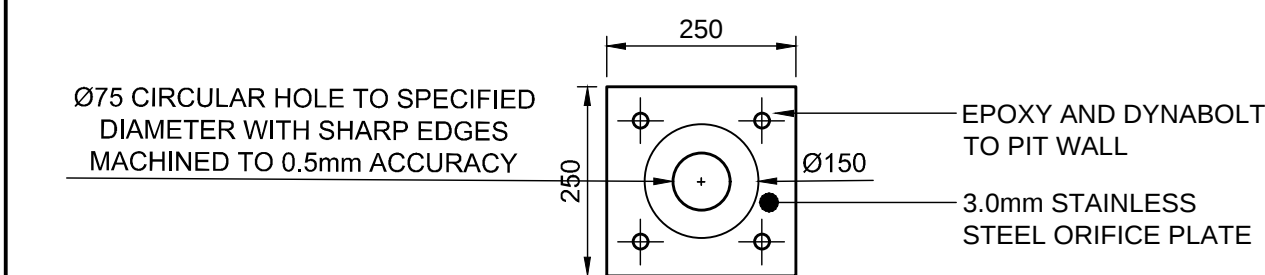
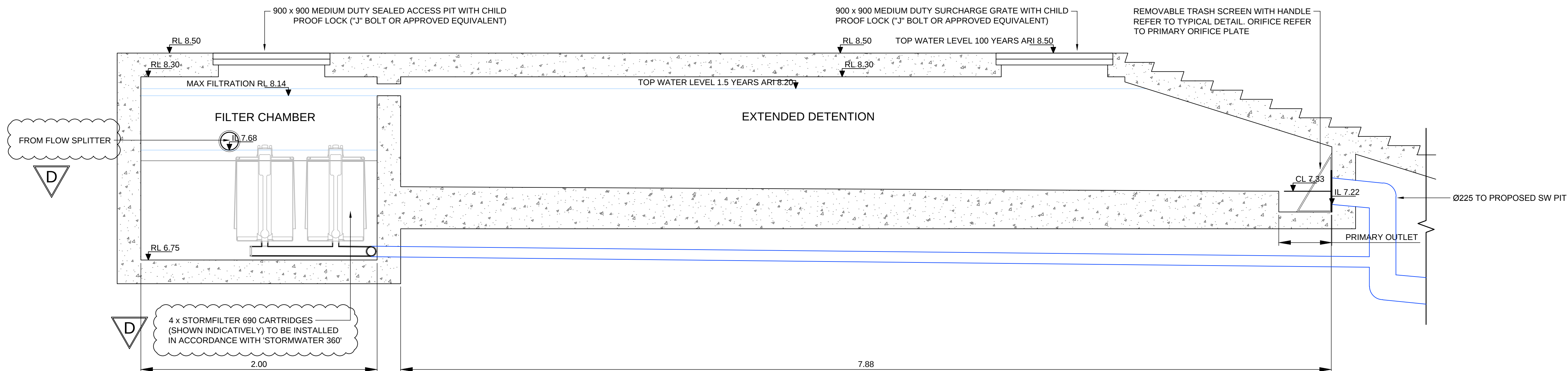
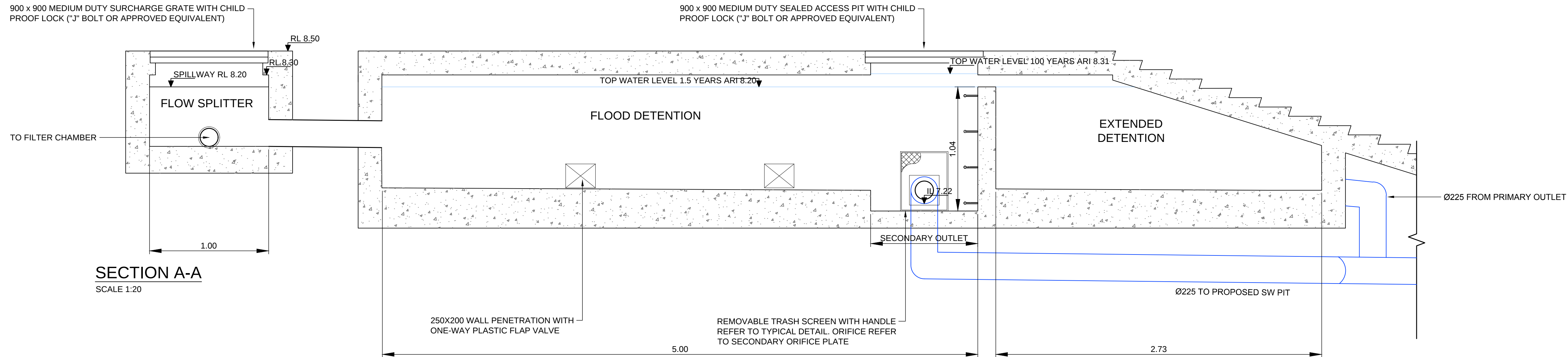
drawing title

GEORGE STREET PUBLIC
DOMAIN SECTIONS

status
FOR DA SUBMISSION

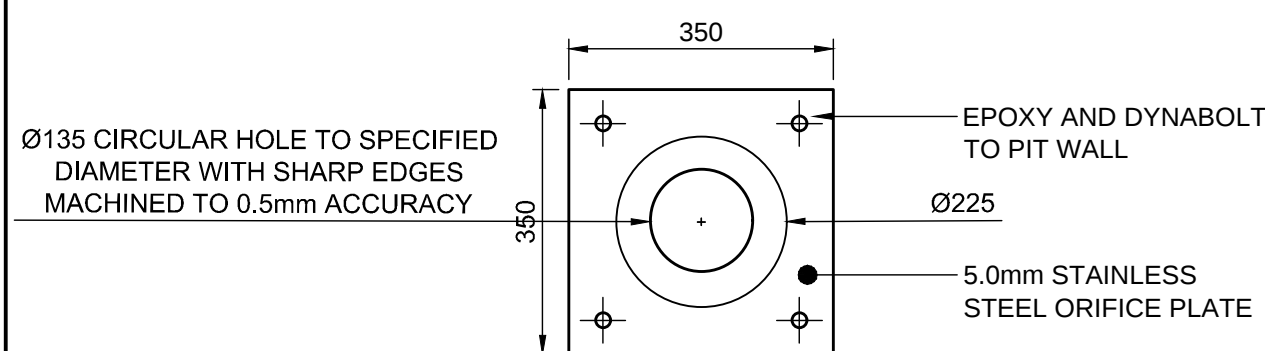
scale at A1 1:1000	drawn by IM	checked QEJ	date APR-18
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project no. 5336	drawing no. CIV-0703	rev. C
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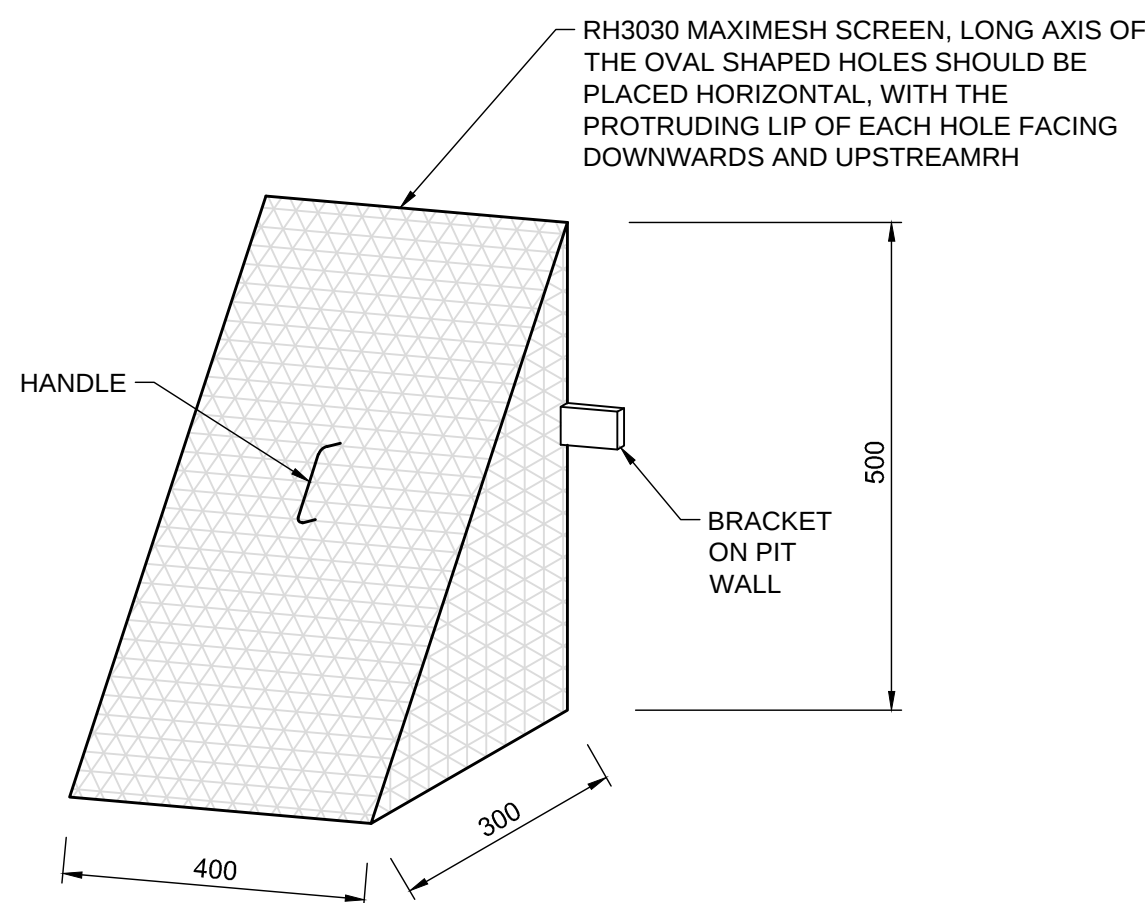
PRIMARY ORIFICE PLATE

SCALE 1:10



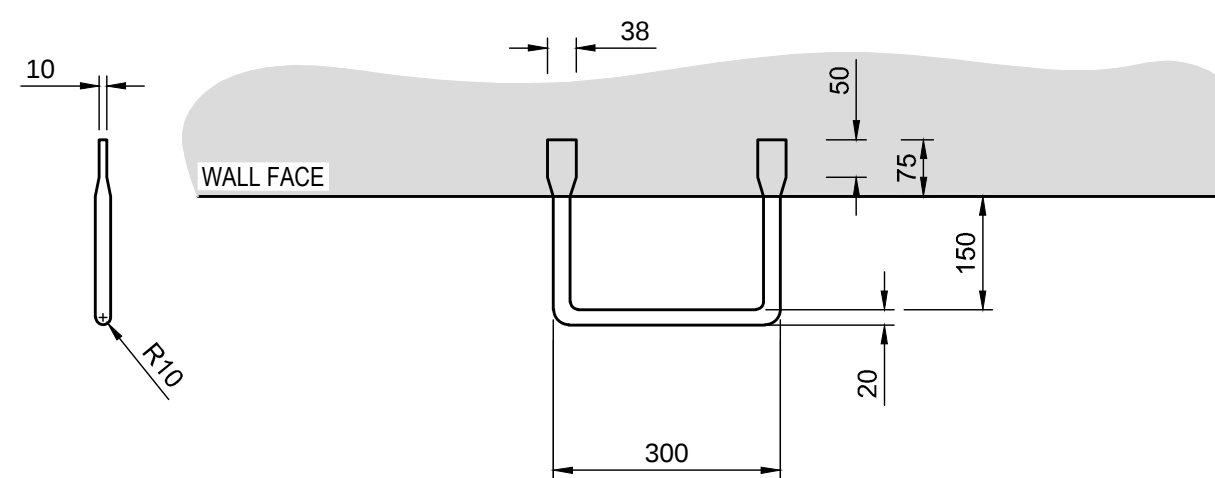
SECONDARY ORIFICE PLATE

SCALE 1:10



TYPICAL TRASH SCREEN DETAIL

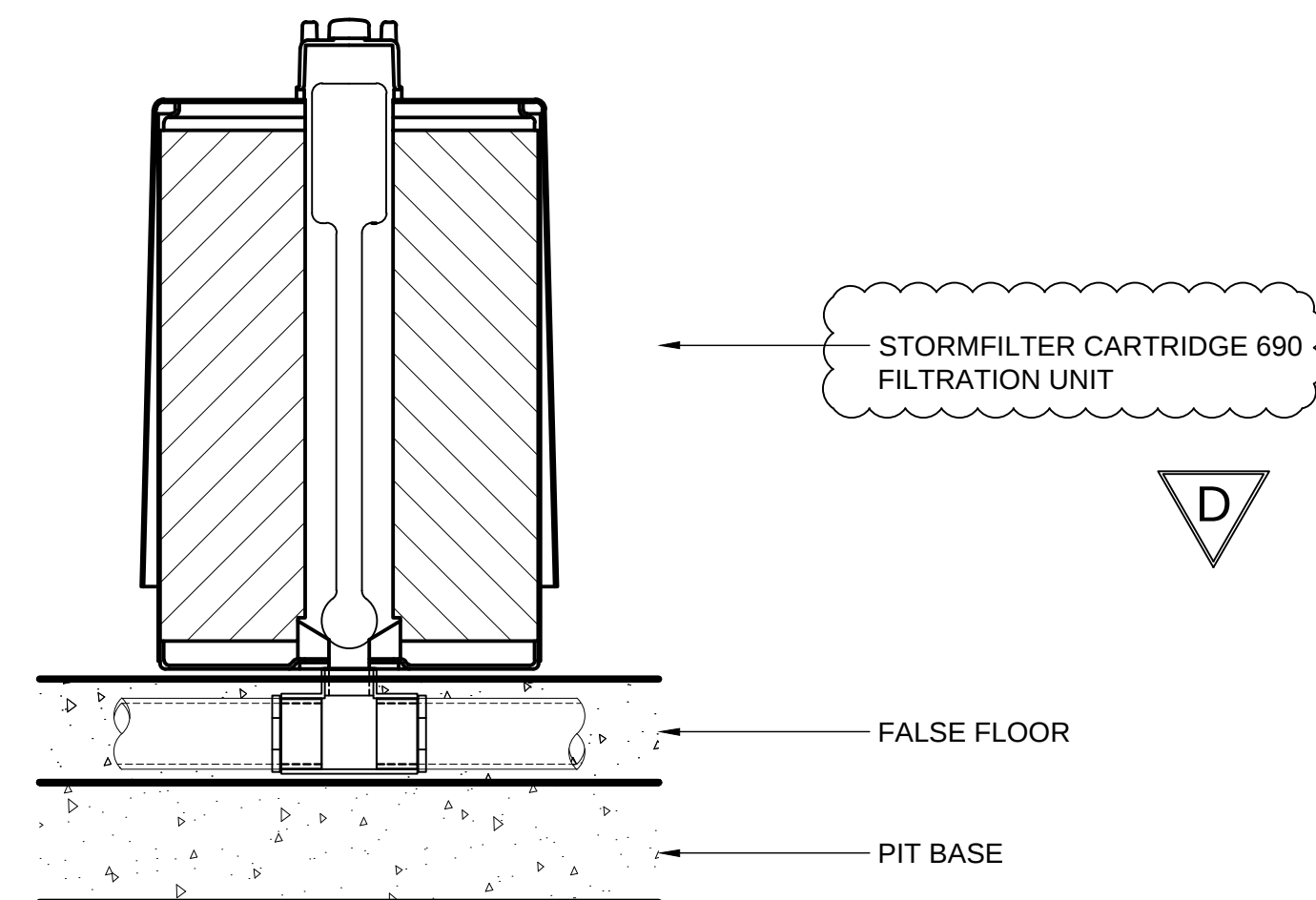
SCALE N.T.S.



NOTE:
1. FIRST RUNG MAX 600mm DOWN FROM TOP, THEN SPACED AT 300 CENTRES.
2. STEP IRON MATERIAL: 20m DIAMETER MILD STEEL, HEAVY GALVANISED.

TYPICAL STEP IRON DETAIL

SCALE 1:10



STORMFILTER CARTRIDGE DETAIL

SCALE 1:10

rev	date	description	dm	ch'k
D	16.04.18	REVISED FOR DA SUBMISSION	MM	QEJ
C	13.04.18	FOR INFORMATION	MM	QEJ
B	06.04.18	FOR INFORMATION	MM	QEJ
A	26.02.18	FOR INFORMATION	MM	QEJ

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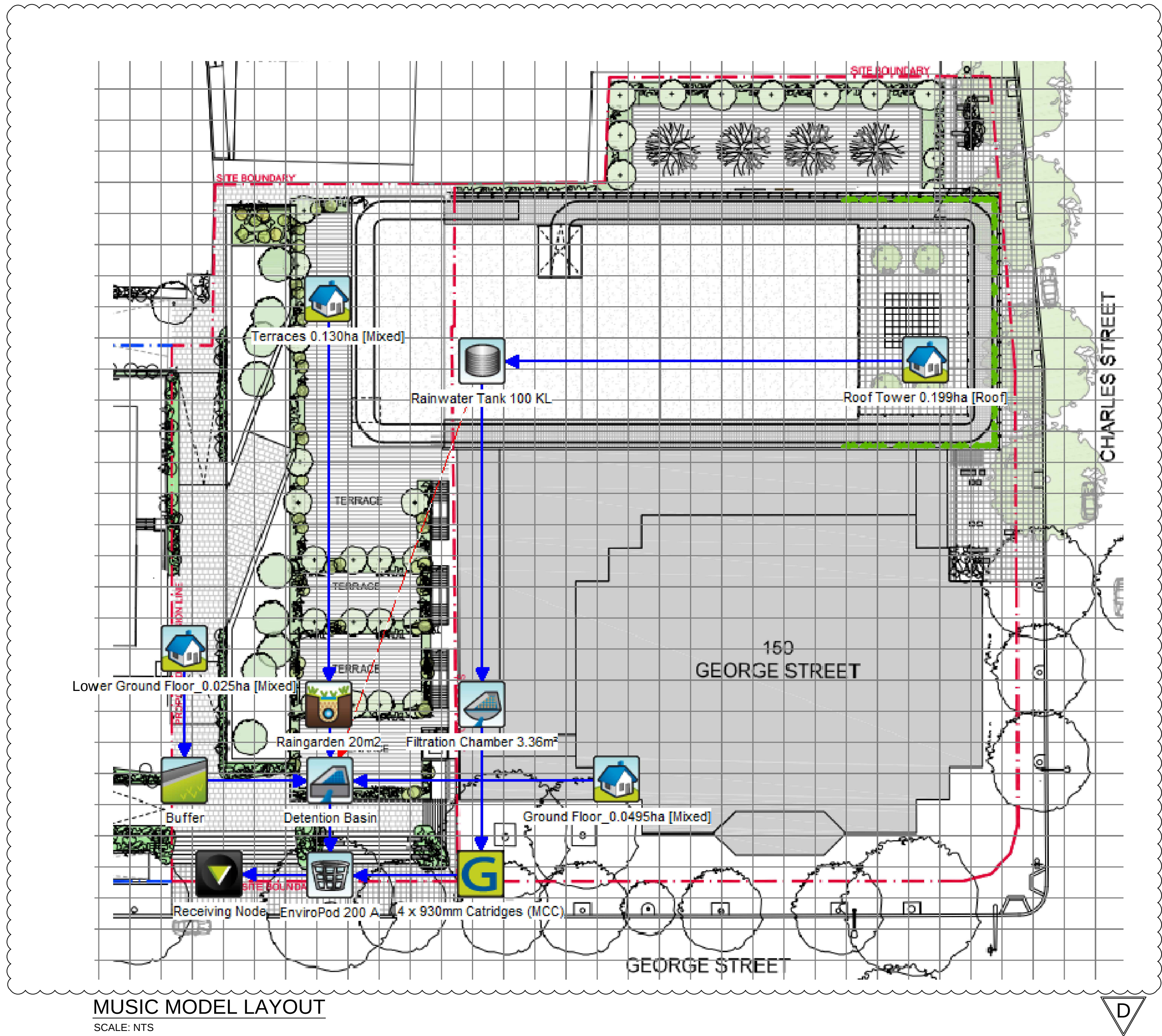
project
150 GEORGE ST PARRAMATTA

drawing title
DRAINAGE DETAILS
SHEET 02

status
FOR DA SUBMISSION

scale at A1 NTS	drawn by MM	checked QEJ	date NOV-17
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project no. 5336	drawing no. CIV-0851	rev. D
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MUSIC MODEL LAYOUT
SCALE: NTS

	Sources	Residual Load	% Reduction	Parramatta City Council Targets [%]	Green Star Targets (Category C) [%]
Flow (ML/yr)	2.8	2.1	24.2	-	-
Total Suspended Solids (kg/yr)	274	13.9	95.3	85	90
Total Phosphorus (kg/yr)	0.616	0.152	79.7	60	70
Total Nitrogen (kg/yr)	6.22	2.43	63.8	45	60
Gross Pollutants (kg/yr)	76.8	0	100	90	95

MUSIC MODEL TARGETS AND RESULTS
SCALE: NTS

NOTE:
20 m² OF RAINGARDEN TREATMENT AREA IS
REQUIRED AT GROUND LEVEL.
THE FINAL LOCATION OF THESE RAINGARDENS TO
BE CONFIRMED BY LANDSCAPE ARCHITECT

D	16.04.18	REVISED FOR DA SUBMISSION	MM	QEJ
C	13.04.18	FOR INFORMATION	MM	QEJ
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A	06.04.18	FOR INFORMATION	MM	QEJ
rev	date	description	dwn	chk

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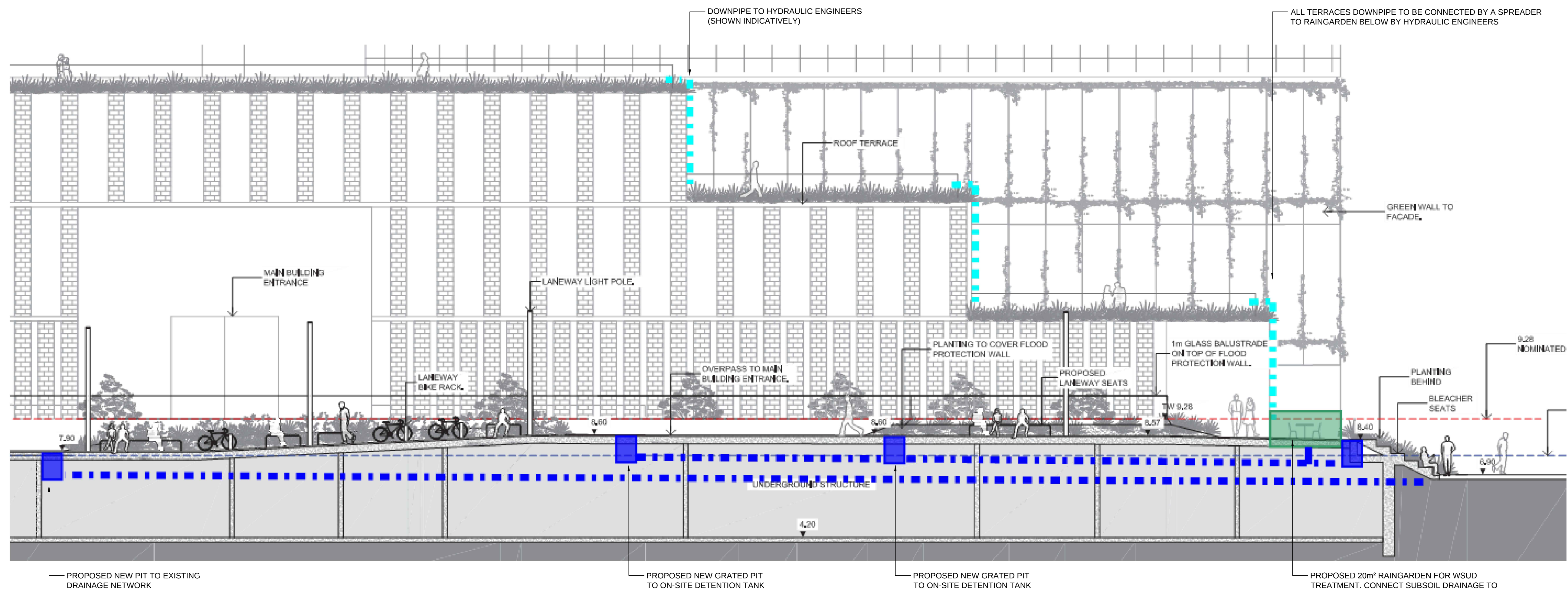


project
150 GEORGE ST PARRAMATTA

drawing title
DRAINAGE DETAILS
SHEET 03

status
FOR DA SUBMISSION

scale at A1 NTS	drawn by MM	checked QEJ	date APR-18
project no. 5336	drawing no. CIV-0852	rev. D	



DRAINAGE LONG SECTION

SCALE: N.T.S.

LEGEND

	PROPOSED GRATED PIT
	PROPOSED SUSPENDED ON SLAB STORMWATER LINE
	STORMWATER LINE BY OTHERS
	PROPOSED RAINGARDEN FOR WATER QUALITY TREATMENT

A	13.04.18	FOR DA SUBMISSION	MM	QEJ
rev	date	description	drrn	ch'k

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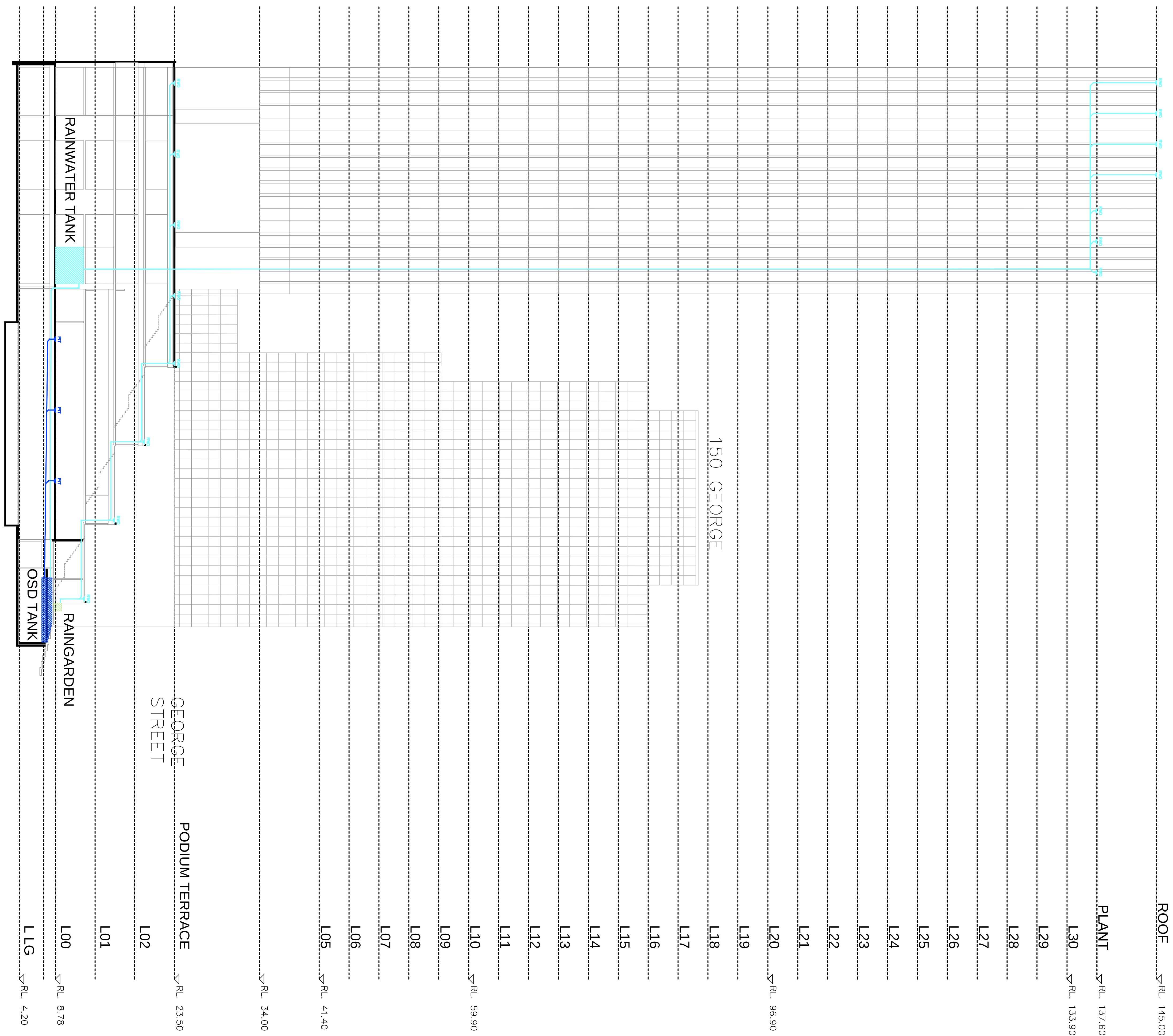
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project
150 GEORGE ST PARRAMATTA

drawing title
DRAINAGE DETAILS
SHEET 04

status FOR DA SUBMISSION

scale at A1 NTS	drawn by MM	checked QEJ	date APR-18
project no. 5336		drawing no. CIV-0853	rev. A



BUILDING DRAINAGE SCHEMATIC CONNECTION

SCALE: 1:250

LEGEND



PROPOSED GRATED PIT



■ ■ ■ PROPOSED SUSPENDED ON SLAB
STORMWATER LINE



STORMWATER LINE BY OTHERS



PROPOSED RAINGARDEN FOR WATER QUALITY TREATMENT

NOTES:

1. PIPING AS PER HYDRAULIC ENGINEER
2. THE NUMBER OF OUTLETS AND DOWNPIPES TO BE CONFIRMED

A	13.04.18	FOR DA SUBMISSION	MM	QEQ
rev	date	description	drrn	ch'k

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150 GEORGE ST PARRAMATTA

drawing title

**DRAINAGE DETAILS
SHEET 05**

status FOR DA SUBMISSION

scale at A1 1:250	drawn by MM	checked QEJ	date APR-18
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project no. 5336	drawing no. CIV-0854	rev. A
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