

RELOCATABLE EXCAVATED SEDIMENT TRAP.
DIRTY WATER TO BE RELEASED AS DUST
SUPPRESSION ON-SITE OR TREATED, TESTED,
AND DISCHARGED IN ACCORDANCE WITH
AUTHORITY REQUIREMENTS. TYPICAL

Approximate Sewer Line
Location (See note)

ROSEGLEEN STREET

LAYOUT PLAN
SCALE 1:100

DRAWING LEGEND

GENERAL		
EXISTING	PROPOSED	
---	---	PROPERTY BOUNDARY
---	---	EASEMENT BOUNDARY
---	---	CONTOUR - MAJOR
---	---	CONTOUR - MINOR
---	---	BUILDING
---	---	BUILDING ROOF LINE
---	---	KERB AND CHANNEL
---	---	KERB
RTW	RTW	RETAINING WALL
SW	SW	STORMWATER DRAINAGE
RW	RW	ROOFWATER DRAINAGE
SSD	SSD	SUBSOIL DRAIN
S	S	SEWER
W	W	WATER
E	E	UNDERGROUND ELECTRICAL
OH	OH	OVERHEAD ELECTRICAL
T	T	COMMUNICATIONS
G	G	GAS
	---	TOP OF BATTER
	---	BOTTOM OF BATTER
	X X X X X X	ABANDON SERVICE
+ 0.00m	+ RL 0.00m	SURFACE LEVEL (RL)

EROSION & SEDIMENT CONTROL

---	SF	SEDIMENT FENCE
-----	----	----------------

CONTRACTOR TO ENSURE SURROUNDING
ROADS ARE KEPT CLEAN AND FREE OF
DEBRIS DURING CONSTRUCTION. TYPICAL

CONTRACTOR TO PROVIDE TRAFFIC CONTROL
(AS REQUIRED) AND ENSURE WORK ZONES ARE
SAFE DURING CONSTRUCTION. TYPICAL

PROVIDE KERB INLET SEDIMENT
PROTECTION AT ALL DOWNSTREAM
GULLIES UPTO 50m FROM SITE. TYPICAL

SITE TO BE CLEARED IN PREPARATION FOR
BUILDING CONSTRUCTION.
ALL EXISTING STRUCTURES (INCLUDING ANY
PILES) AND SITE IMPROVEMENTS TO BE
DEMOLISHED AND REMOVED, UNLESS NOTED
OTHERWISE.

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APPLICATION REF
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ZACHARY LEMON RPEQ Number: 24798



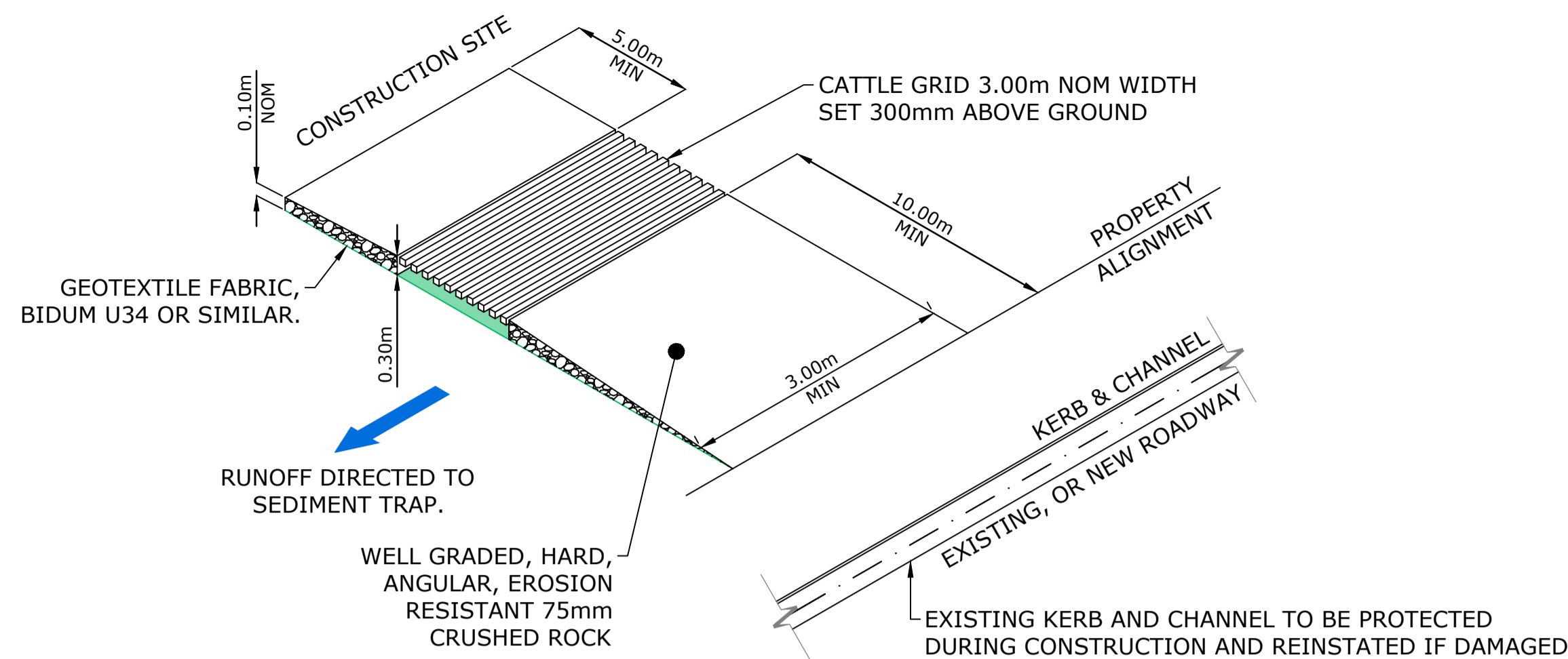
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A	20.10.25	ORIGINAL ISSUE	TB	VL	DS	ZL
B	12.03.26	ISSUE FOR APPROVAL	TB	VL	DS	ZL
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PROJECT
**5 ROSEGLEEN STREET,
GREENSPLOPES**

DRAWING TITLE
**EROSION & SEDIMENT CONTROL
LAYOUT PLAN**

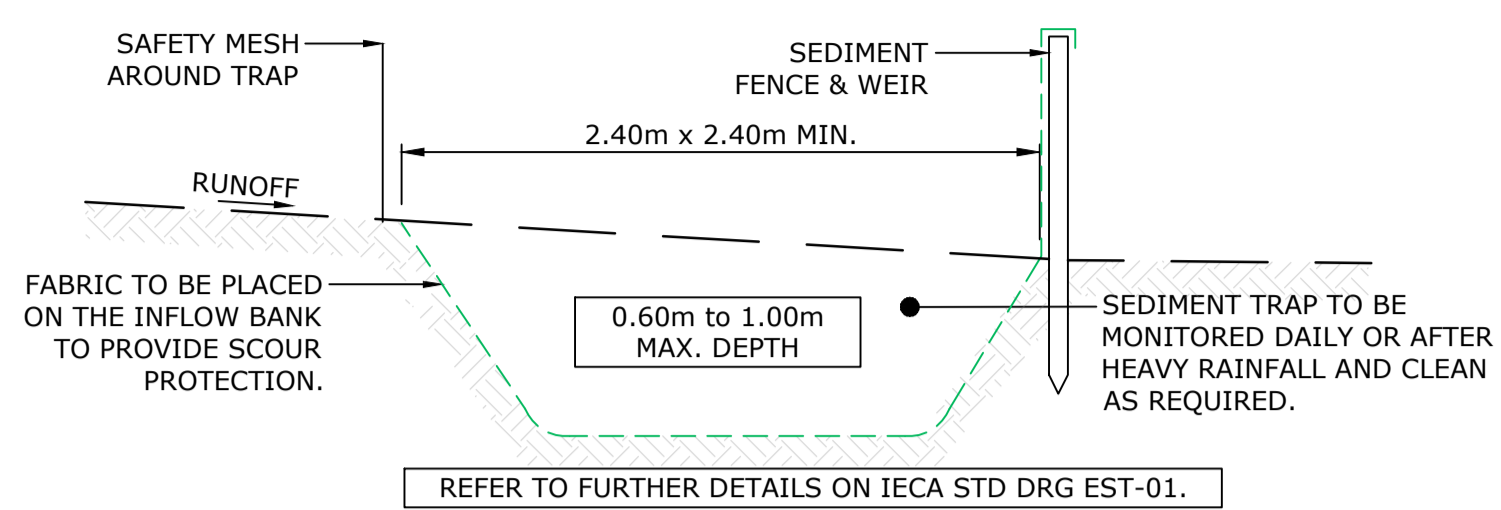
PRELIMINARY		
PROJECT No.	DRAWING No.	REVISION
25096	P100	C



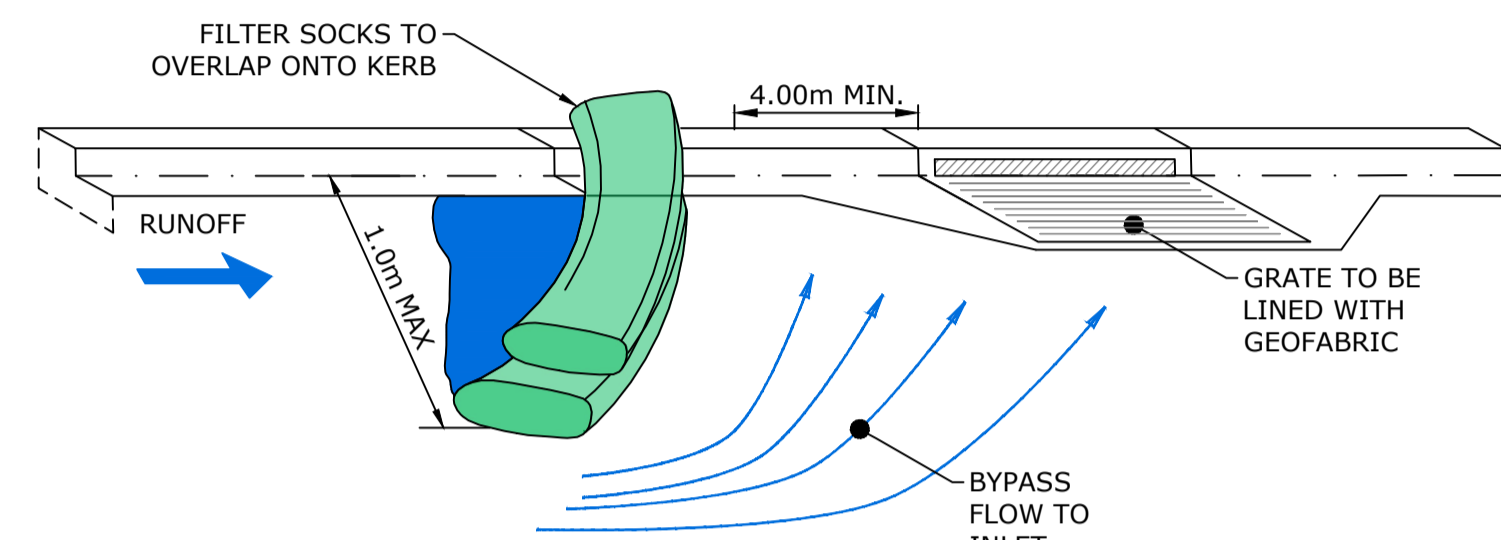
NOTE:
UNBOUND PAVEMENT MATERIAL (GRAVEL) TO GRADING B, TABLE 9 OF TMR SPECIFICATION MRS11.05, EXCLUDE MATERIAL FINER THAN AS SIEVE 2.36mm.

REFER TO FURTHER DETAILS ON IECA STD DRG EXIT-01 TO EXIT 6.

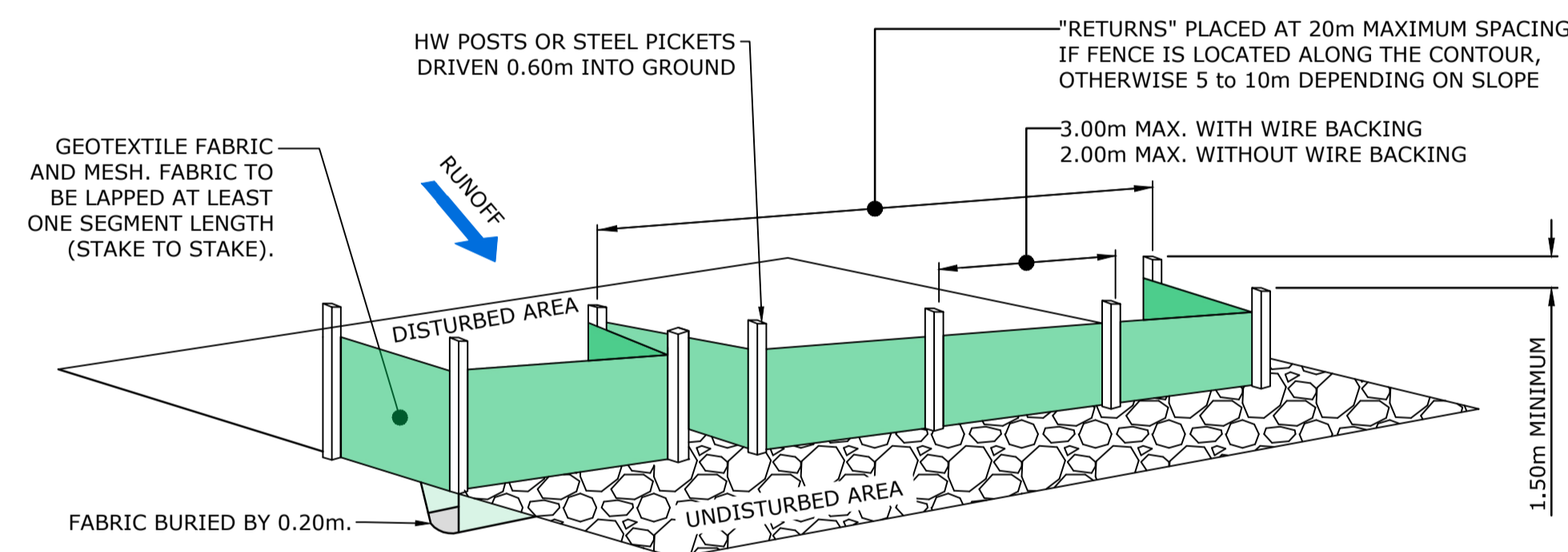
TEMPORARY CONSTRUCTION ENTRY / EXIT
N.T.S



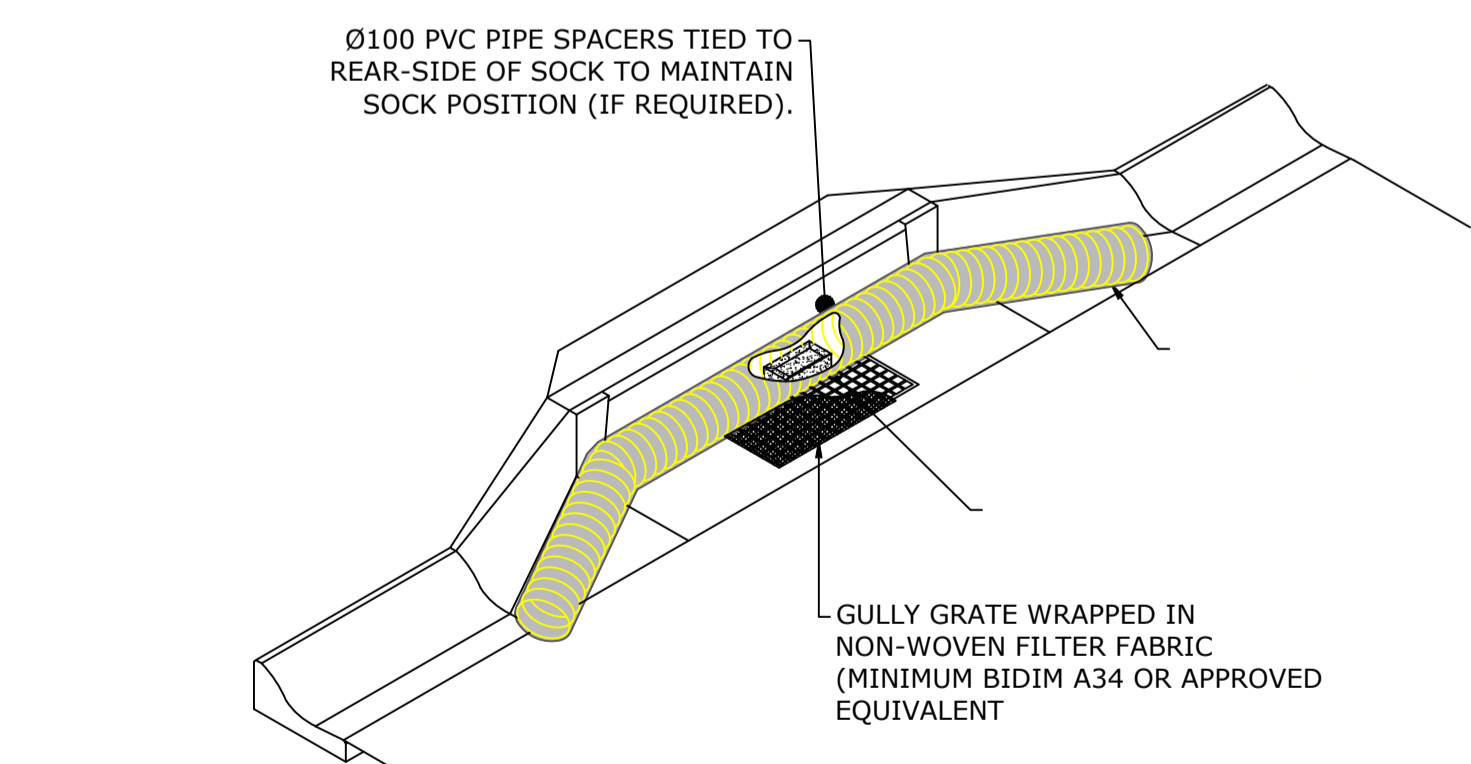
TYPICAL EXCAVATED SEDIMENT TRAP SECTION
NOT TO SCALE



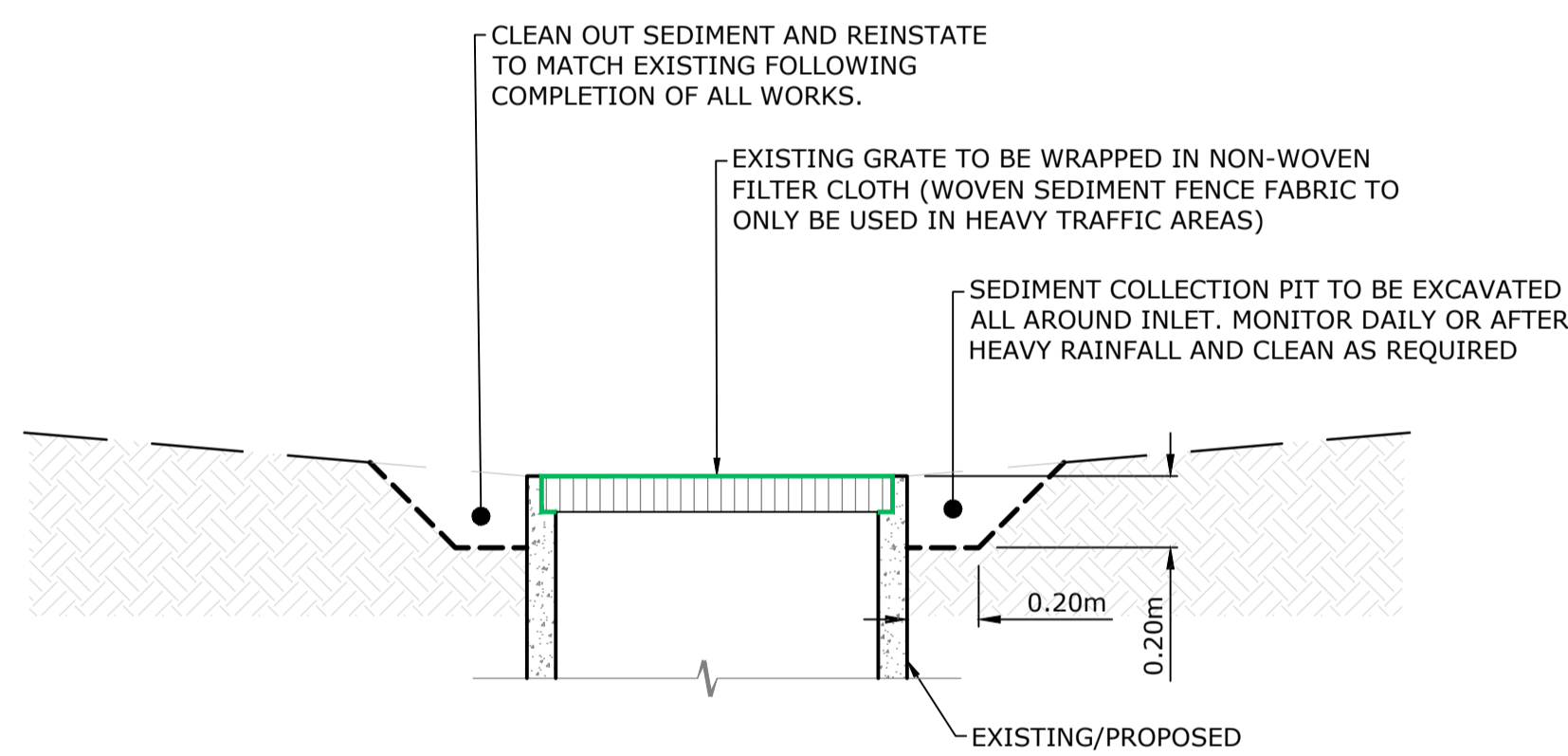
TYPICAL ON GRADE KERB INLET SEDIMENT TRAP
NOT TO SCALE



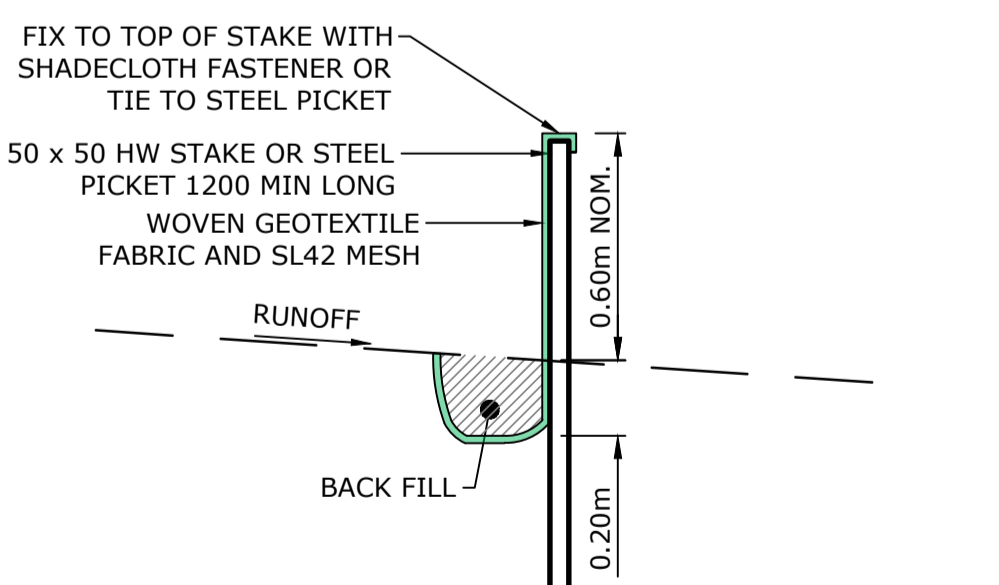
TYPICAL SEDIMENT FENCE ELEVATION
NOT TO SCALE



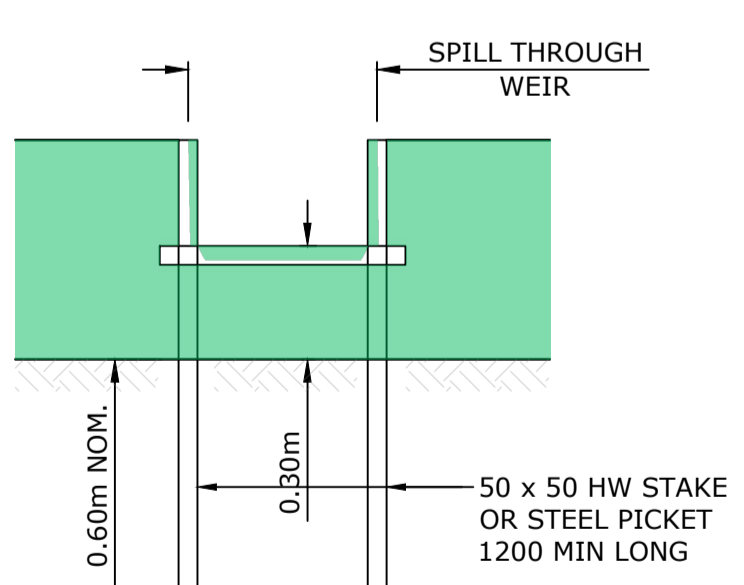
TYPICAL SAG KERB INLET SEDIMENT TRAP
NOT TO SCALE



TYPICAL DROP INLET PROTECTION
NOT TO SCALE



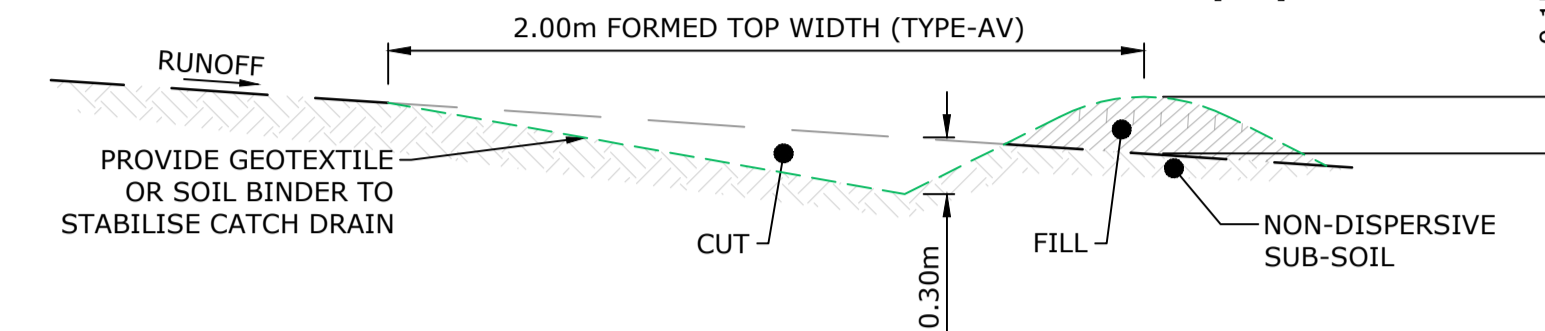
TYPICAL SEDIMENT FENCE SECTION
NOT TO SCALE



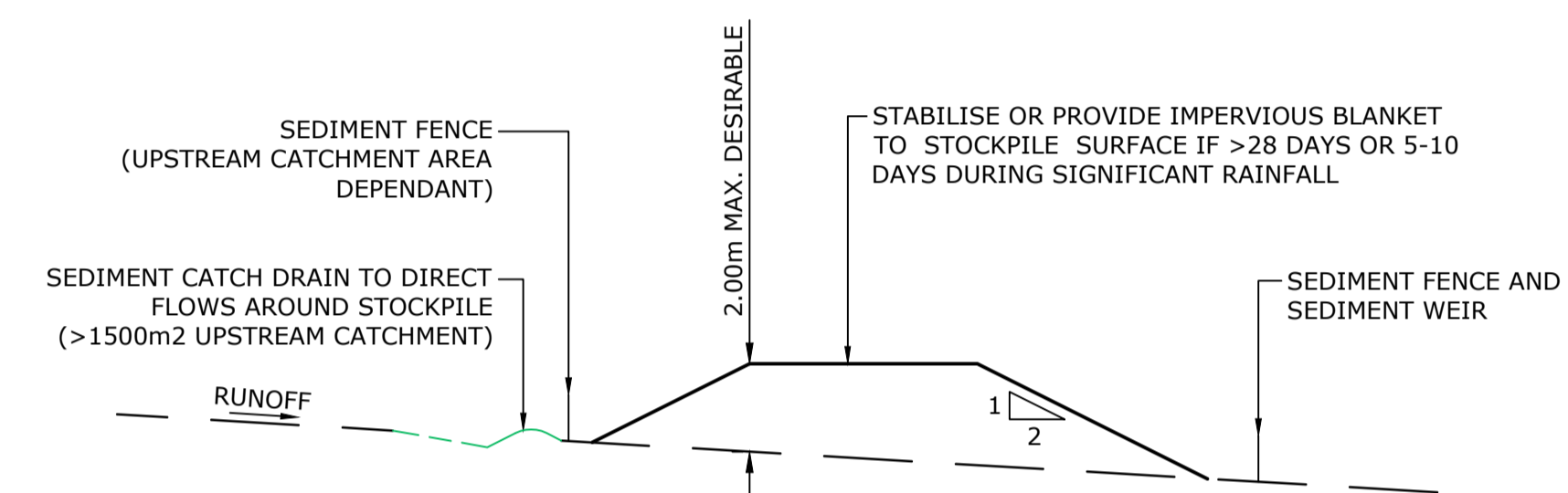
TYPICAL SEDIMENT WEIR ELEVATION
NOT TO SCALE

CHANNEL CALCULATIONS

- CATCHMENT AREA = <1.5 Ha
- TIME OF CONCENTRATION = 5 mins
- 2 YR ARI DESIGN STANDARD
- 5MIN I² = 128mm/hr
- C2 X FF = 0.595
- Q2 = 0.32 CUMECs
- FREEBOARD = 120 mm
- CAPACITY = 0.34 CUMECs
- n = 0.022
- VELOCITY = 0.59 m/s
- dV = 0.047
- SLOPE = 0.5% [MIN]



TYPICAL SEDIMENT CATCH DRAIN
NOT TO SCALE



TYPICAL STOCKPILE
NOT TO SCALE

IECA DRAWING LIST

CODE	TITLE
ECM-1	EROSION CONTROL MATS
EXIT-1	CONSTRUCTION EXIT- ROCK PAD
EXIT-2	ROCK PADS FOR BUILDING SITES
EXIT-3	ROCK PADS FOR BUILDING SITES
EXIT-4	CONSTRUCTION EXIT- VIBRATION GRID
EXIT-5	CONSTRUCTION EXIT- VIBRATION GRID
EXIT-6	CONSTRUCTION EXIT- WASH BAY
FF-1	FILTER FENCE
SF-1	SEDIMENT FENCE
SF-2	SEDIMENT FENCE
ESC-3	KERB INLET SEDIMENT TRAPS
ESC-4	SEDIMENT FENCE
FS-01	SEDIMENT FENCE
CD1	CATCH DRAINS
CD2	CATCH DRAINS- EARTH LINED
CD3	CATCH DRAINS- GRASS LINED
CD4	CATCH DRAINS- GEOTEXTILE LINED
CD5	CATCH DRAINS- ROCK LINED
EST-01	EXCAVATED SEDIMENT TRAP
BOOK 5	A FIELD GUIDE FOR CONSTRUCTION SITE MANAGERS
UST-1	U-SHAPED SEDIMENT TRAP
FW-1	FABRIC WRAP DROP INLET PROTECTION

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ARCHITECT
CASTLEWORTH
ARCHITECTURE & INTERIOR DESIGN

PROJECT
5 ROSEGLEN STREET, GREENSPLOPES

DRAWING TITLE
EROSION & SEDIMENT CONTROL DETAILS

PRELIMINARY
PROJECT No. **25096** DRAWING No. **P101** REVISION **C**

DRAWING LEGEND

GENERAL		
EXISTING	PROPOSED	
---	---	PROPERTY BOUNDARY
---	---	EASEMENT BOUNDARY
---	---	CONTOUR - MAJOR
---	---	CONTOUR - MINOR
---	---	BUILDING
---	---	BUILDING ROOF LINE
---	---	KERB AND CHANNEL
---	---	KERB
---	---	RETAINING WALL
---	---	STORMWATER DRAINAGE
---	---	ROOFWATER DRAINAGE
---	---	SUBSOIL DRAIN
---	---	SEWER
---	---	WATER
---	---	UNDERGROUND ELECTRICAL
---	---	OVERHEAD ELECTRICAL
---	---	COMMUNICATIONS
---	---	GAS
---	---	TOP OF BATTER
---	---	BOTTOM OF BATTER
---	---	ABANDON SERVICE
---	---	SURFACE LEVEL (RL)

BULK EARTHWORKS VOLUMES

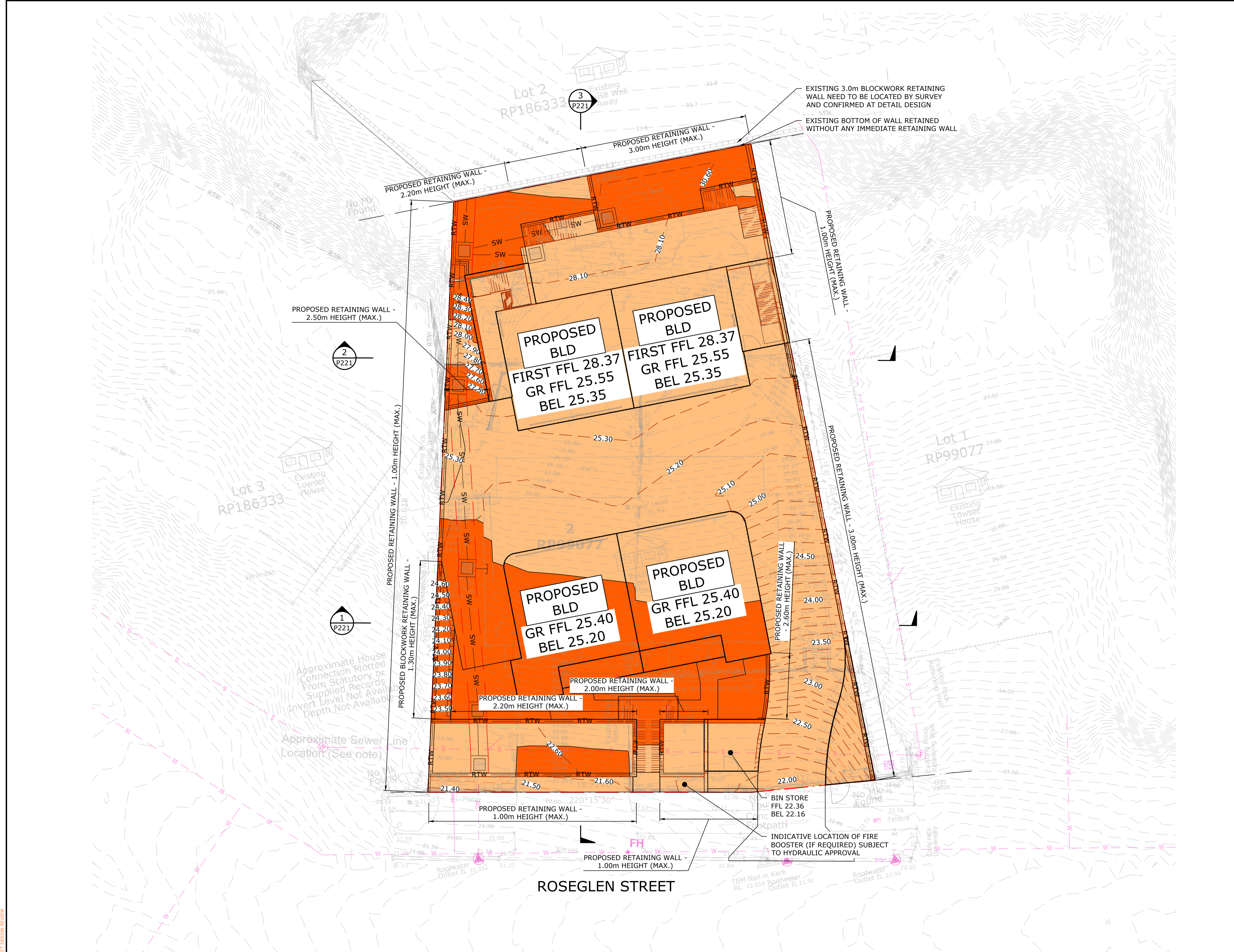
CUT (m ³)	FILL (m ³)	BALANCE (FILL/CUT)
564	157	407

TOP SOIL CONSIDERATIONS: 69m³
 AN ALLOWANCE OF 150mm FOR VEGETATION TOP SOIL REMOVAL HAS BEEN ACCOUNTED FOR IN LOCALISED AREAS WITH MAJORITY OF THE SITE BEING PREDOMINATELY SURFACED (I.E. COMPACTED GRAVELS, SEALED SURFACES, STRUCTURE). APPROXIMATE INSITU EARTHWORKS VOLUMES FROM LOCALISED STRIPPED SURFACE LEVEL TO BULK EARTHWORKS LEVEL CALCULATED.

CUT & FILL RANGE

CUT	FILL	0.00m - 3.50m
Orange	Red	

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ROSEGLLEN STREET

LAYOUT PLAN
SCALE 1:100

THIS PLAN MUST BE CHECKED IN COLOUR FOR CORRECT DESIGN REVIEW

SCALE 1:100

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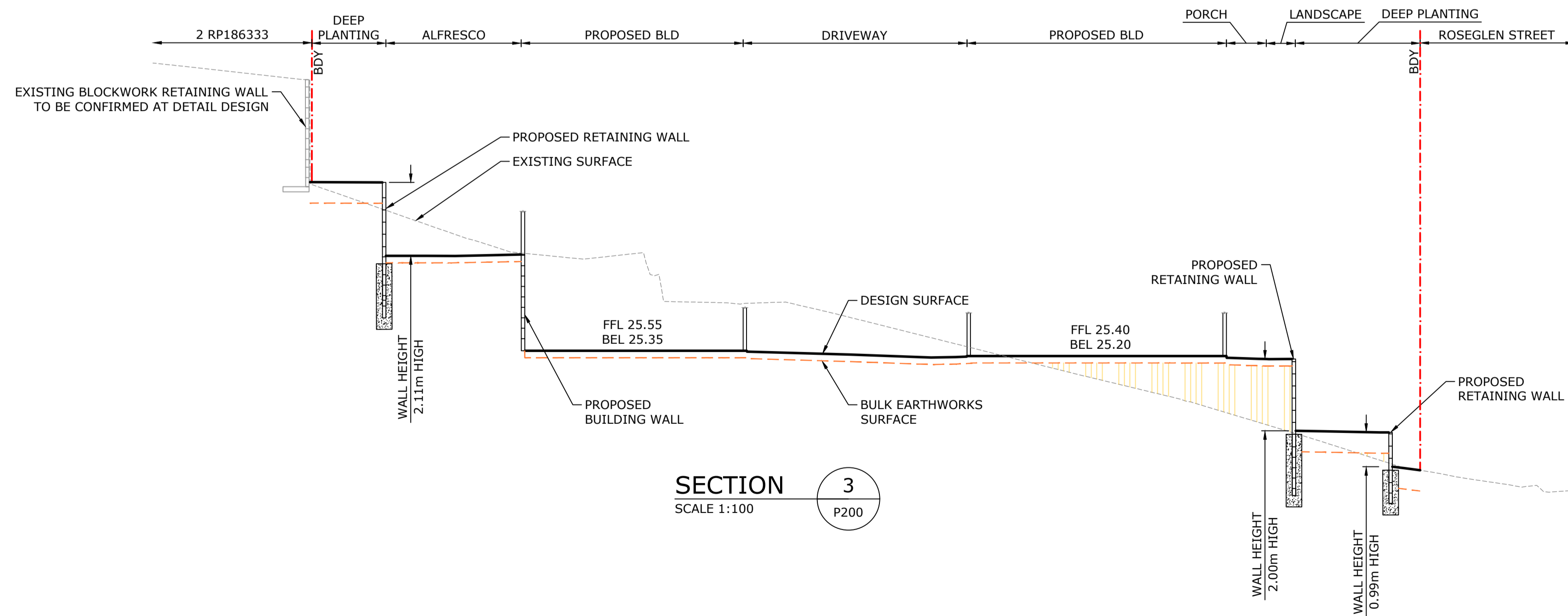
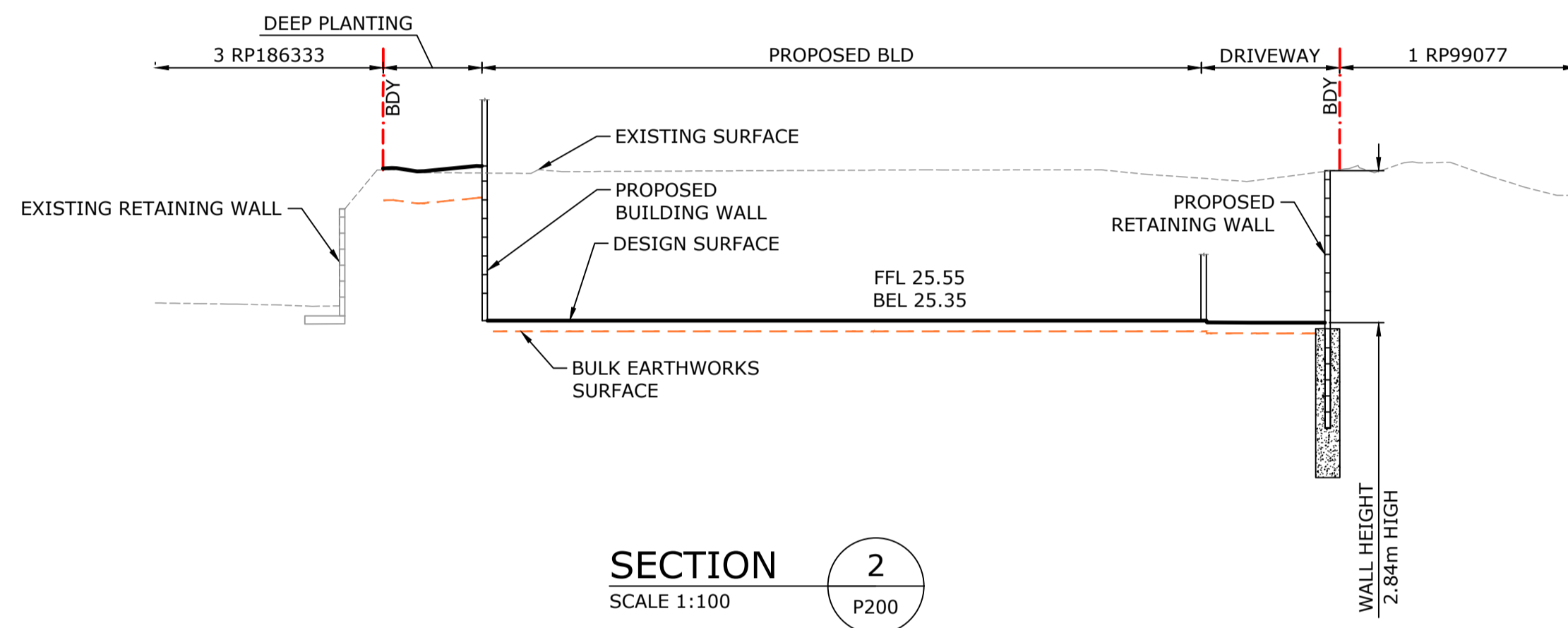
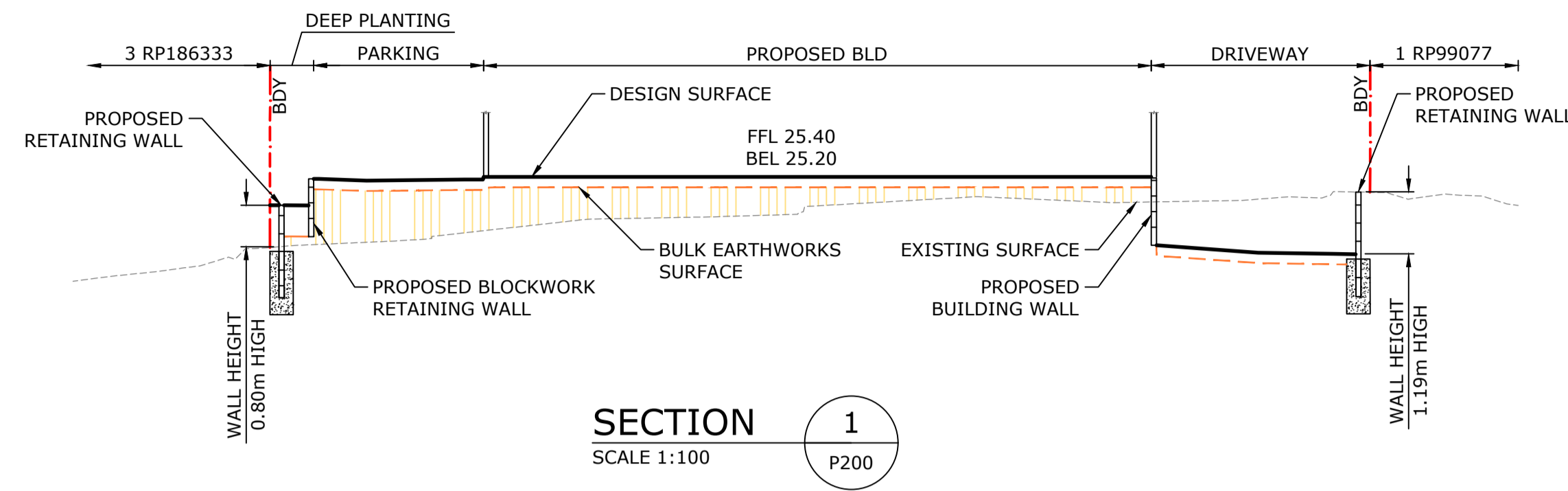
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ARCHITECT
CASTLEWORTH
 ARCHITECTURE & INTERIOR DESIGN

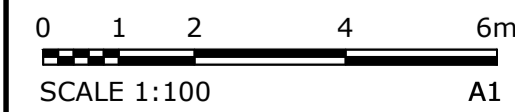
PROJECT
**5 ROSEGLLEN STREET,
 GREENSPLOPES**

DRAWING TITLE
**BULK EARTHWORKS OVERALL
 LAYOUT PLAN**

PRELIMINARY		
PROJECT No.	DRAWING No.	REVISION
25096	P200	C



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ARCHITECT
CASTLEWORTH
ARCHITECTURE & INTERIOR DESIGN

PROJECT
**5 ROSEGLEEN STREET,
GREENSPLOPES**

DRAWING TITLE
BULK EARTHWORKS SECTIONS

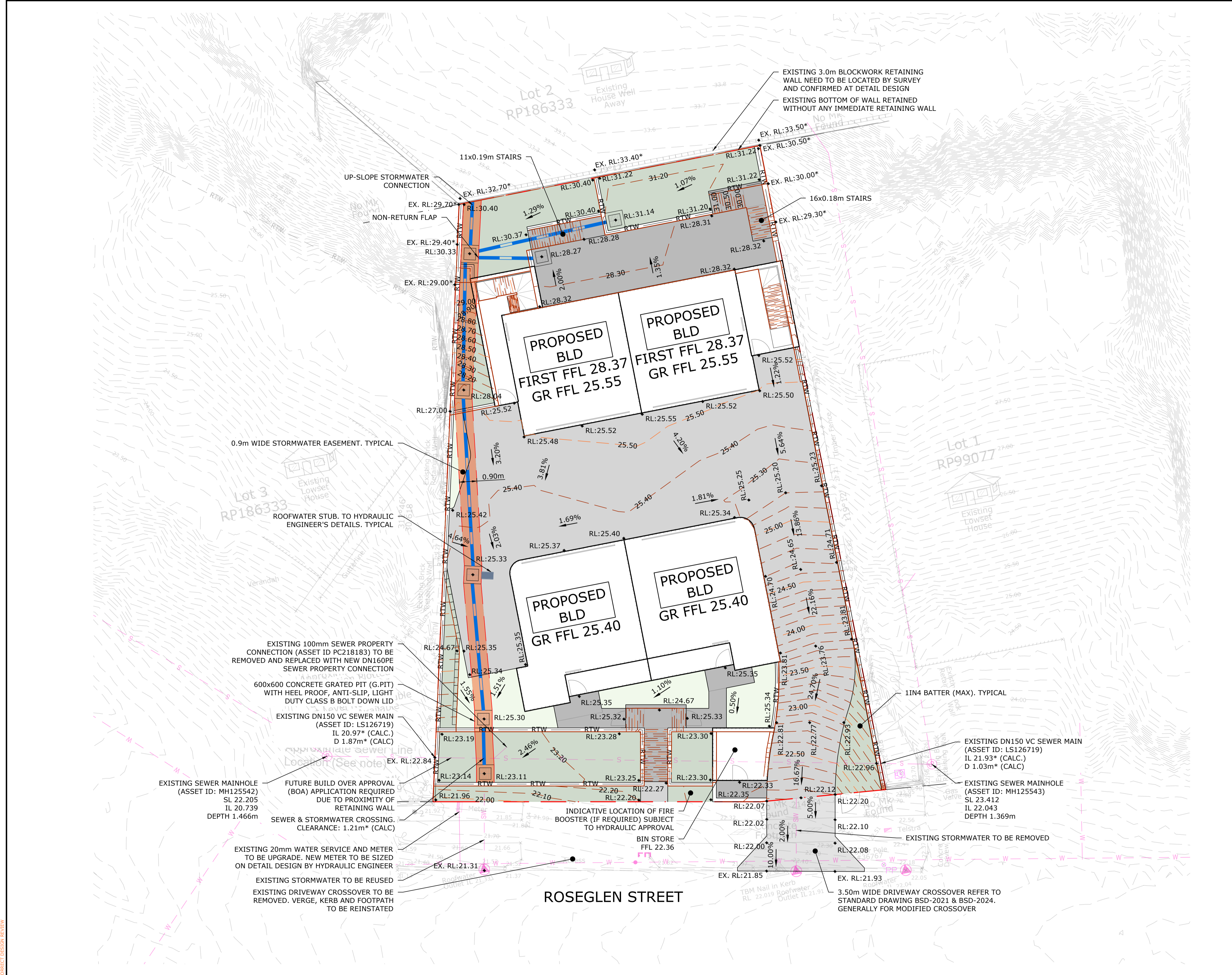
PRELIMINARY
PROJECT No. **25096** DRAWING No. **P221** REVISION **C**

DRAWING LEGEND

GENERAL		
EXISTING	PROPOSED	
---	---	PROPERTY BOUNDARY
---	---	EASEMENT BOUNDARY
---	---	CONTOUR - MAJOR
---	---	CONTOUR - MINOR
---	---	BUILDING
---	---	BUILDING ROOF LINE
---	---	KERB AND CHANNEL
---	---	KERB
---	---	RETAINING WALL
---	---	STORMWATER DRAINAGE
---	---	ROOFWATER DRAINAGE
---	---	SUBSOIL DRAIN
---	---	SEWER
---	---	WATER
---	---	UNDERGROUND ELECTRICAL
---	---	OVERHEAD ELECTRICAL
---	---	COMMUNICATIONS
---	---	GAS
---	---	TOP OF BATTER
---	---	BOTTOM OF BATTER
---	---	ABANDON SERVICE
---	---	SURFACE LEVEL (RL)
+	+	0.00m
+	+	RL 0.00m

NOTES:
 * EXISTING LEVELS FROM LIDAR, NOT ACCURATELY. NEED TO BE CONFIRMED.

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LAYOUT PLAN
SCALE 1:100

SCALE 1:100

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CASTLEWORTH ARCHITECTURE & INTERIOR DESIGN

PROJECT
 5 ROSEGLEEN STREET,
 GREENSPLOPES

DRAWING TITLE
 STORMWATER SITE, GRADING
 OVERALL LAYOUT PLAN

PRELIMINARY		
PROJECT No.	DRAWING No.	REVISION
25096	P300	C

DRAWING LEGEND

GENERAL		
EXISTING	PROPOSED	
---	---	PROPERTY BOUNDARY
---	---	EASEMENT BOUNDARY
---	---	CONTOUR - MAJOR
---	---	CONTOUR - MINOR
---	---	BUILDING
---	---	BUILDING ROOF LINE
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---	---	GAS
---	---	TOP OF BATTER
---	---	BOTTOM OF BATTER
---	---	ABANDON SERVICE
+	+	SURFACE LEVEL (RL)

STORMWATER CATCHMENT

---	CATCHMENT BOUNDARY
-----	--------------------

PRE-DEVELOPMENT PROPERTIES

PERVIOUS	IMPERVIOUS
419.91m ² (67.40%)	203.11m ² (32.60%)

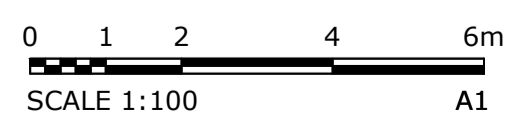
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ROSEGLAN STREET

LAYOUT PLAN
SCALE 1:100

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CASTLEWORTH
ARCHITECTURE & INTERIOR DESIGN

PROJECT
5 ROSEGLAN STREET,
GREENSPLOPES

DRAWING TITLE
PRE CATCHMENT LAYOUT PLAN

PRELIMINARY		
PROJECT No.	DRAWING No.	REVISION
25096	P400	C

DRAWING LEGEND

GENERAL		
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---	---	SURFACE LEVEL (RL)

STORMWATER CATCHMENT

---	CATCHMENT BOUNDARY
-----	--------------------

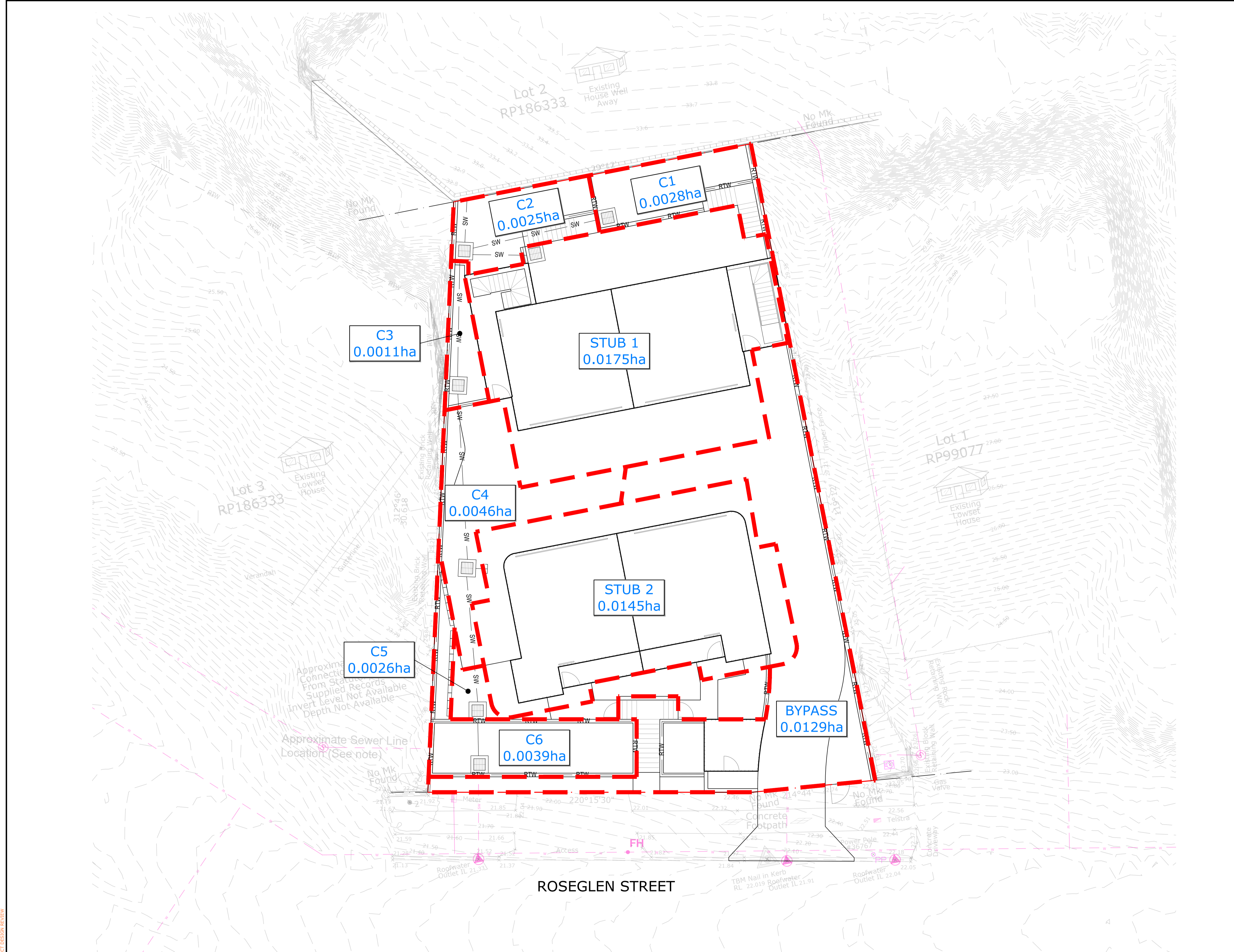
POST-DEVELOPMENT PROPERTIES

PERVIOUS	IMPERVIOUS
119.06m ² (24.08%)	375.41m ² (75.92%)

BY-PASS PROPERTIES

PERVIOUS	IMPERVIOUS
24.68m ² (19.13%)	104.32m ² (80.87%)

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ROSEGLEN STREET

LAYOUT PLAN
SCALE 1:100

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0 1 2 4 6m
SCALE 1:100
A1
ZACHARY LEMON RPEQ Number: 24798

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ARCHITECT	PROJECT	DRAWING TITLE
CASTLEWORTH ARCHITECTURE & INTERIOR DESIGN	5 ROSEGLEN STREET, GREENSPLOPES	POST CATCHMENT LAYOUT PLAN

PRELIMINARY
PROJECT No. 25096 DRAWING No. P401 REVISION C