

EWL BOX DEPTH
NTS

BOX DEPTH TABLE

SURFACE	PAVEMENT DEPTH	BASE DEPTH
DRIVEWAY	250	
CROSSOVER	250	
ALLOTMENTS	100	

EARTHWORKS TABLE

COLOUR	RANGE	VOLUME (m3)
	(1.25) - (1.00)	0.04
	(1.00) - (0.75)	2.30
	(0.75) - (0.50)	23.75
	(0.50) - (0.25)	100.68
	(0.25) - (0.10)	135.19
	(0.10) - (0.05)	62.53
	(0.05) - 0.00	71.45
	0.00 - 0.05	155.42
	0.05 - 0.10	147.56
	0.10 - 0.25	394.39
	0.25 - 0.50	472.83
	0.50 - 0.75	311.83
	0.75 - 1.00	210.82
	1.00 - 1.25	143.31
	1.25 - 1.50	86.50
	1.50 - 1.75	44.24
	1.75 - 2.00	25.54
	2.00 - 2.25	7.84
	2.25 - 2.50	0.14

WARNING

BEWARE OF UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES
ARE APPROXIMATE ONLY AND THEIR
EXACT POSITION SHOULD BE PROVEN ON
SITE. NO GUARANTEE IS GIVEN THAT ALL
EXISTING SERVICES ARE SHOWN.

LEVELS ARE INDICATIVE
ONLY AND ARE SUBJECT
TO OPW PERMIT

LEGEND

EXISTING

- EXISTING BUILDING EXTENT
- KERB AND CHANNEL
- LOT BOUNDARY
- CONTOUR MAJOR (2.500m INTERVAL)
- CONTOUR MINOR (0.500m INTERVAL)
- STORMWATER
- SEWER
- WATER
- OVERHEAD ELECTRICITY
- SURFACE LEVEL

PROPOSED

- PROPERTY BOUNDARY
- CONTOUR MAJOR (0.500 INTERVAL)
- CONTOUR MINOR (0.100 INTERVAL)
- BATTER TOP
- BATTER BOTTOM
- GRADE CHANGE
- EARTHWORKS LEVEL
- STORMWATER
- SEWER
- RETAINING WALL. REFER TO PLAN.

DRAWING NOTES

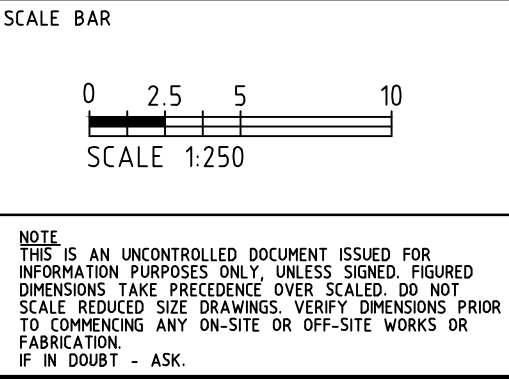
EARTHWORKS QUANTITIES

TOTAL STRIP VOLUME: 471.1 m³
TOTAL CUT VOLUME: 392.1 m³
TOTAL FILL VOLUME: 2015.8 m³
TOTAL EXPORT: 1623.6 m³
*TOTAL EXCLUDES NEW TOPSOIL OVER ALLOTMENTS
(VOLUME TAKEN AS -100mm BELOW FFL SHOWN)

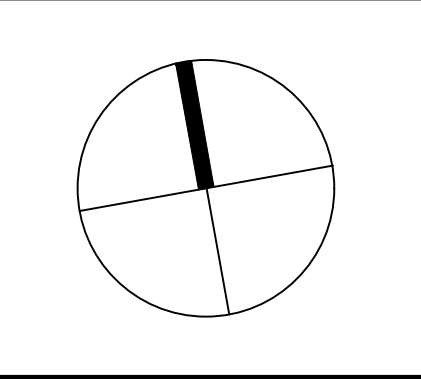
DRAWING NOTES:

- FSL REFERS TO FINISH SURFACE LEVEL
- ESL REFERS TO EXISTING SURFACE LEVEL
- CONTOURS AND SPOT LEVELS ON THIS PLAN DENOTE EARTHWORKS SURFACE LEVEL
- TEMPORARY BATTERS ARE NOT SHOWN FOR CLARITY
- CUT AND FILL QUANTITIES ARE TO BULK EARTHWORKS SURFACE. REFER TO BOXING DEPTH TABLE.
- NO ALLOWANCE HAS BEEN MADE FOR BULKING FACTORS. ALL VOLUMES SHOWN ARE SOLID VOLUMES ONLY AND MAY NOT REFLECT DETAILED EARTHWORKS
- EARTHWORKS QUANTITIES DO NOT INCLUDE EXCAVATIONS FOR PIPE TRENCHES, STORMWATER STRUCTURES OR UNDERGROUND DETENTION.
- ALLOWANCES SHOULD BE MADE FOR REPLACEMENT OF UNSUITABLE MATERIAL.
- QUANTITIES ARE IN-SITU AND DO NOT ACCOUNT FOR BULKING FACTORS.
- ALL LEVELS ARE GIVEN AS METRES U.N.O.
- MAXIMUM FILL/CUT BATTER 1 IN 4 WITHOUT GEOTECHNICAL SUPPORT.

REVISIONS:					
No.	FOR APPROVAL	MR	MR	MR	29.07.26
	REVISION DESCRIPTION	DRAWN	REVIEWED	RPEQ	DATE



SURVEY PROJECT NO. - DWG/(REV) N/A	
HORIZ. DATUM GDA20	HEIGHT DATUM AHD
PSM N/A	LOCALITY/LGA BCC
ARCH PROJECT NO. - DWG/(REV) N/A	
ADDITIONAL DWG. REF	



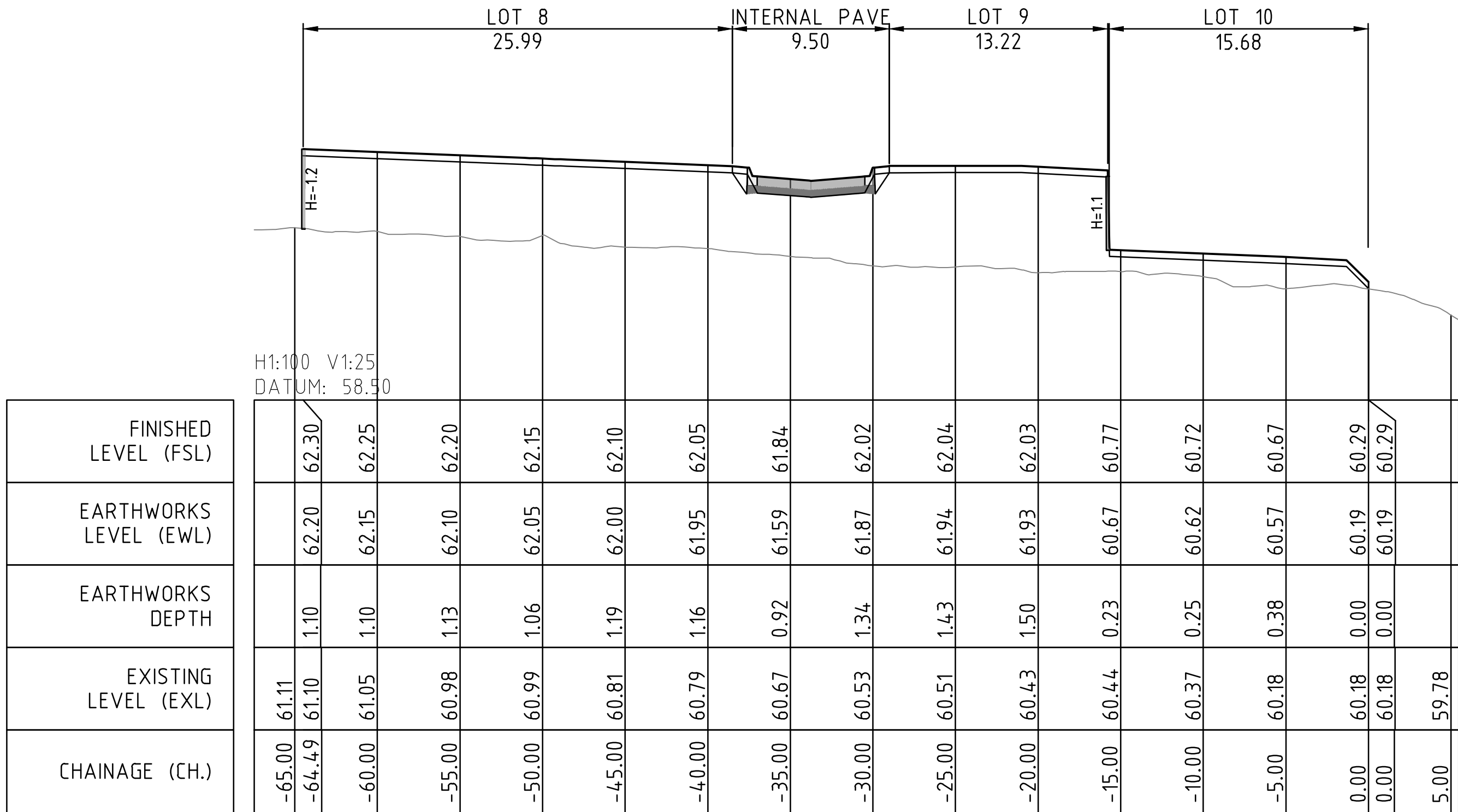
RDC
ENGINEERING

CLIENT
HUONG THUY

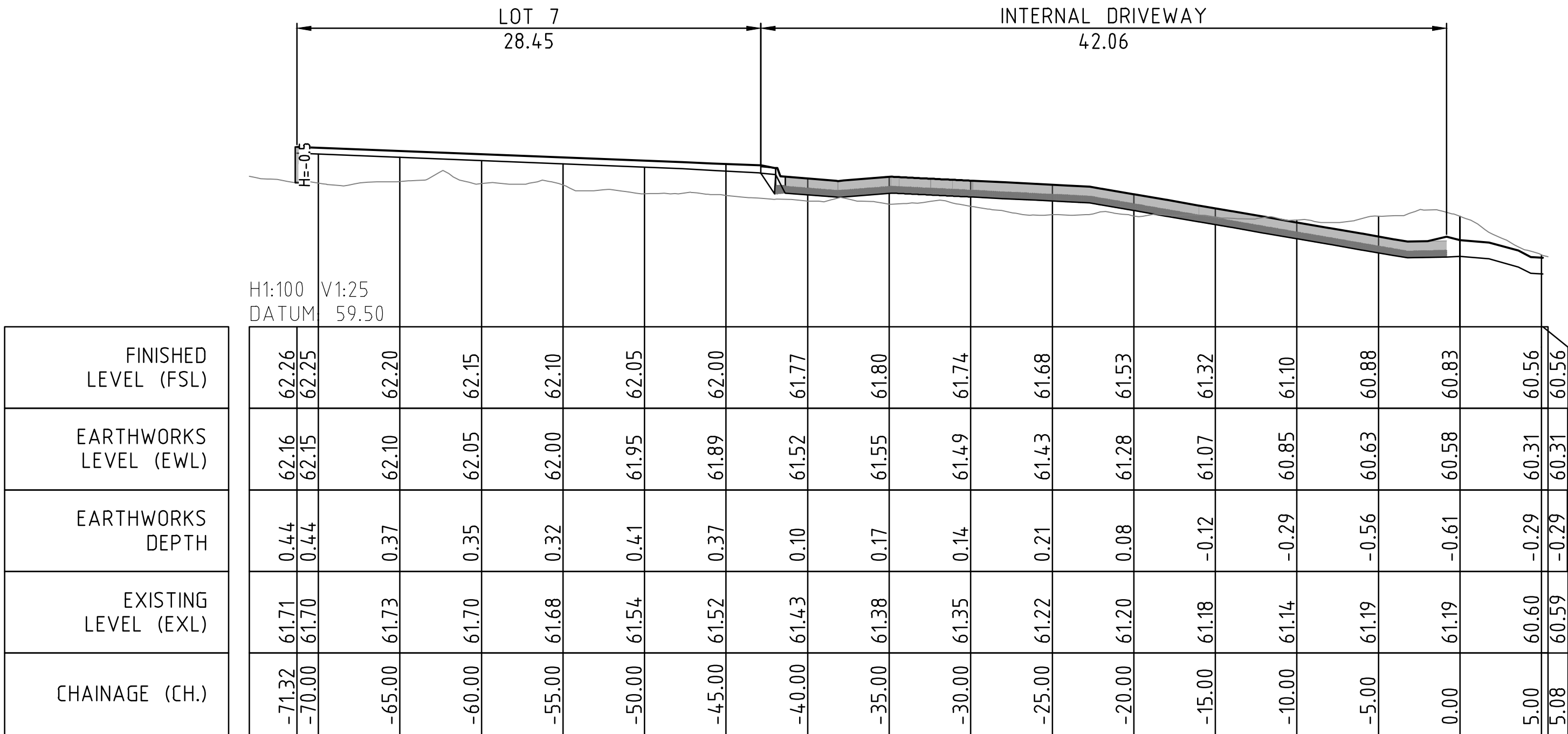
PROJECT TITLE
1 INTO 11 RAL
29 GREENTREE CRS
FOREST LAKE QLD 4078

DRAWING TITLE
SECTION - SHEET 1
EARTHWORKS

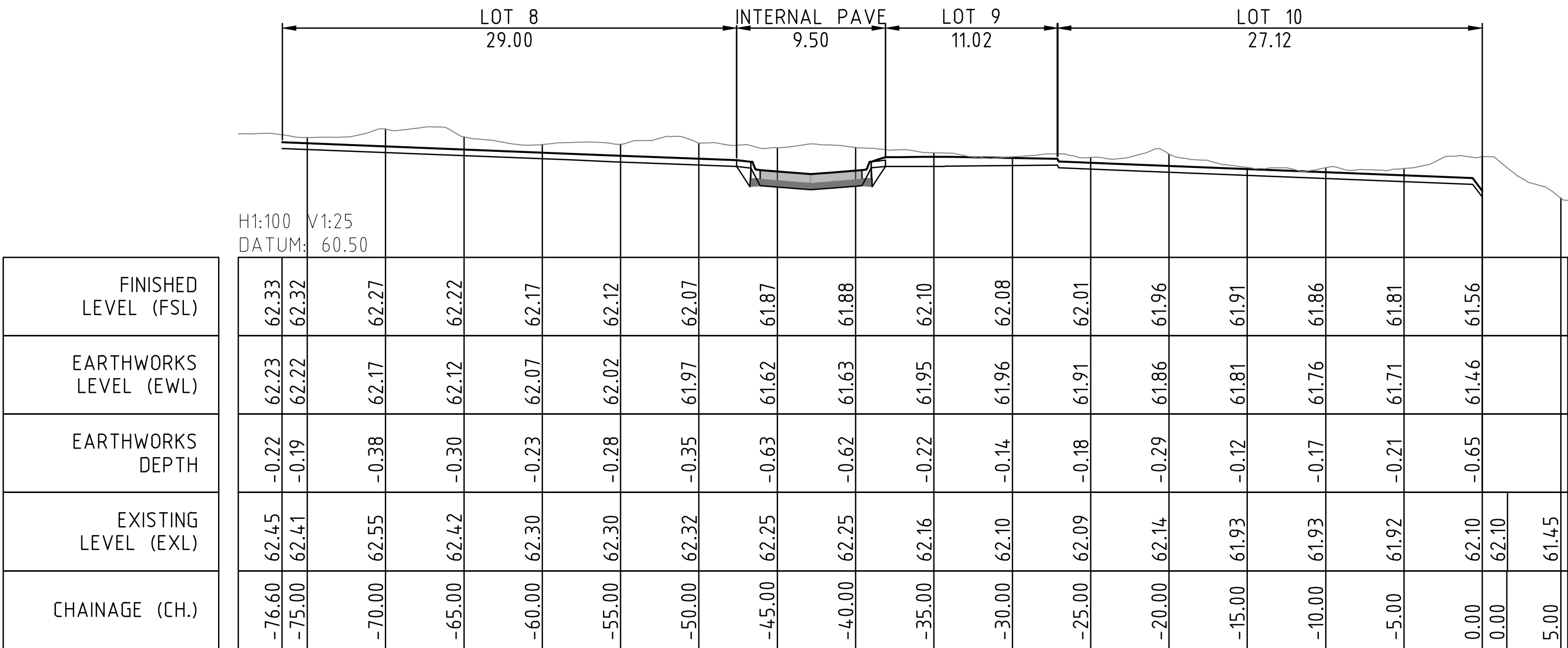
DRAWING STATUS			
FOR APPROVAL NOT FOR CONSTRUCTION			
PROJECT LEADER SCALE 1:250	DESIGNER MR SHEET SIZE A1	RPEQ SIGNATURE MITCHELL ROWLEY - RPEQ 35072	
JOB No. P-26011	DRAWING No. SK221	REVISION A	



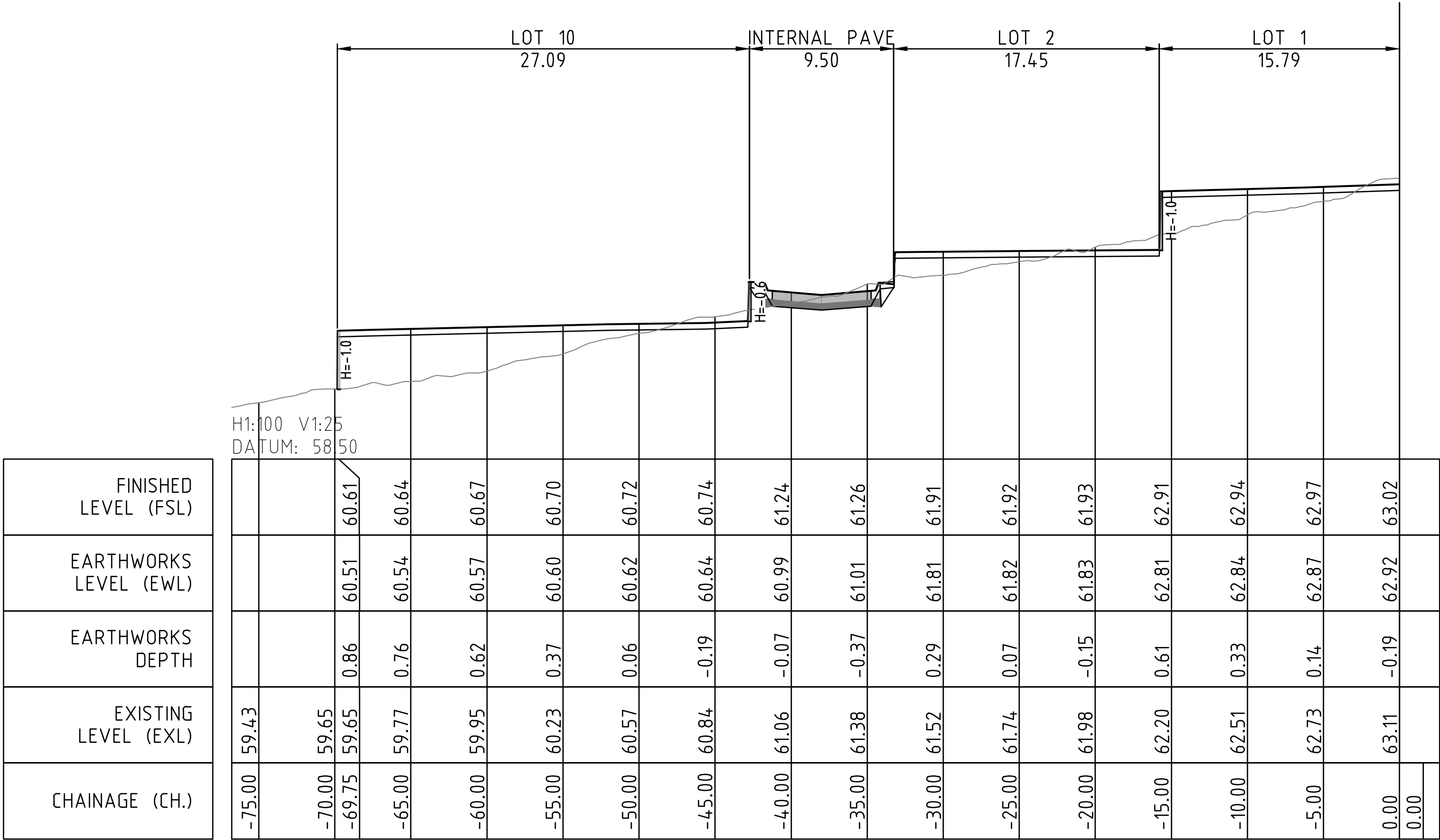
SECTION A



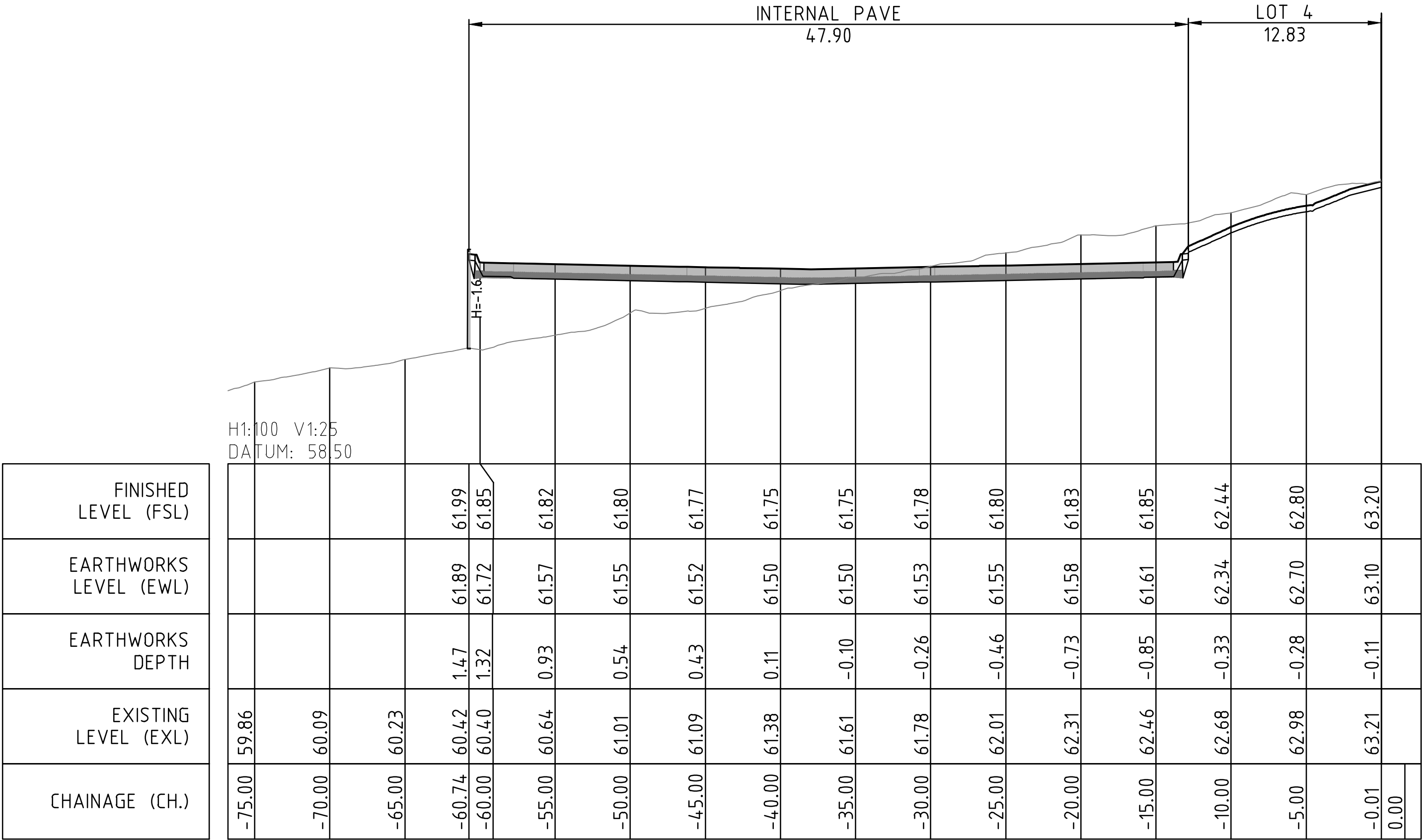
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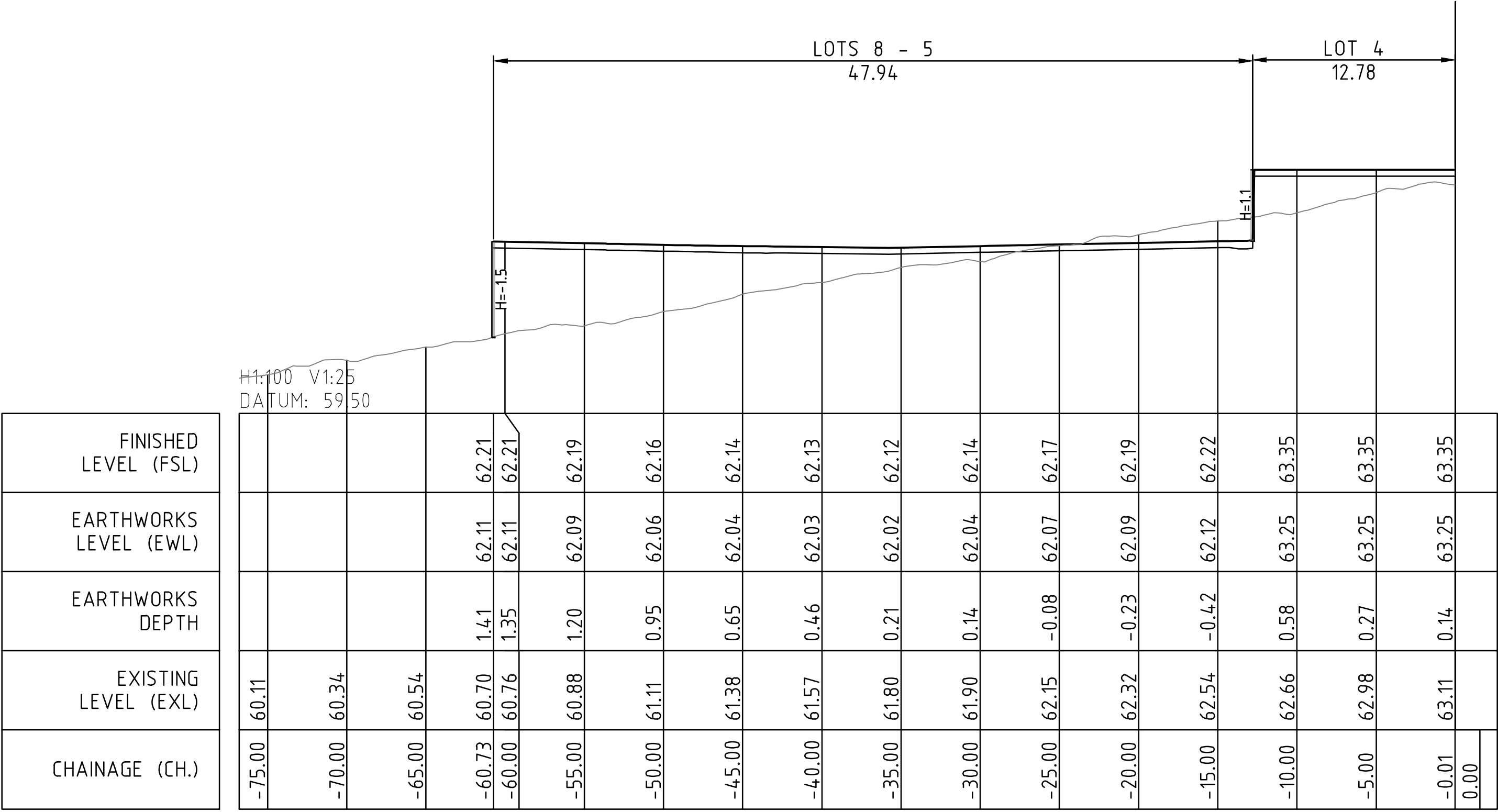
SECTION C



SECTION F



SECTION E



SECTION D

REVISIONS:

No.	FOR APPROVAL	MR	MR	MR	29.07.26
	REVISION DESCRIPTION	DRAWN	REVIEWED	RPEQ	DATE

SCALE BAR

02.5510

SCALE 1:250

NOTE

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SURVEY PROJECT NO. - DWG/(REV)

N/A

HORIZ DATUM

GDA20

HEIGHT DATUM

AHD

PSM

N/A

LOCALITY/LGA

BCC

ARCH PROJECT NO. - DWG/(REV)

N/A

ADDITIONAL DWG. REF

RDCENGINEERING

CLIENT

HUONG THUY

PROJECT TITLE

1 INTO 11 RAL
29 GREENTREE CRS
FOREST LAKE QLD 4078

DRAWING STATUS

FOR APPROVAL
NOT FOR CONSTRUCTION

PROJECT LEADER

MR

DESIGNER

MR

RPEQ SIGNATURE

SCALE

1:250

SHEET SIZE

A1

JOB No.

P-26011

DRAWING No.

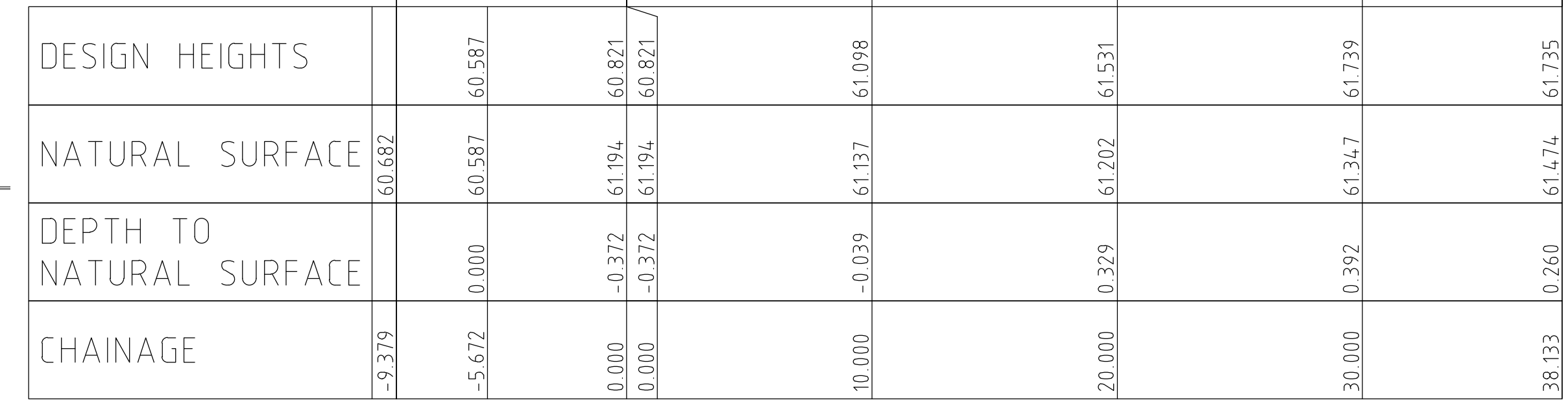
SK252

REVISION

A

DRAWING TITLE

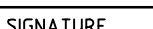
SECTION - SHEET 2
EARTHWORKS

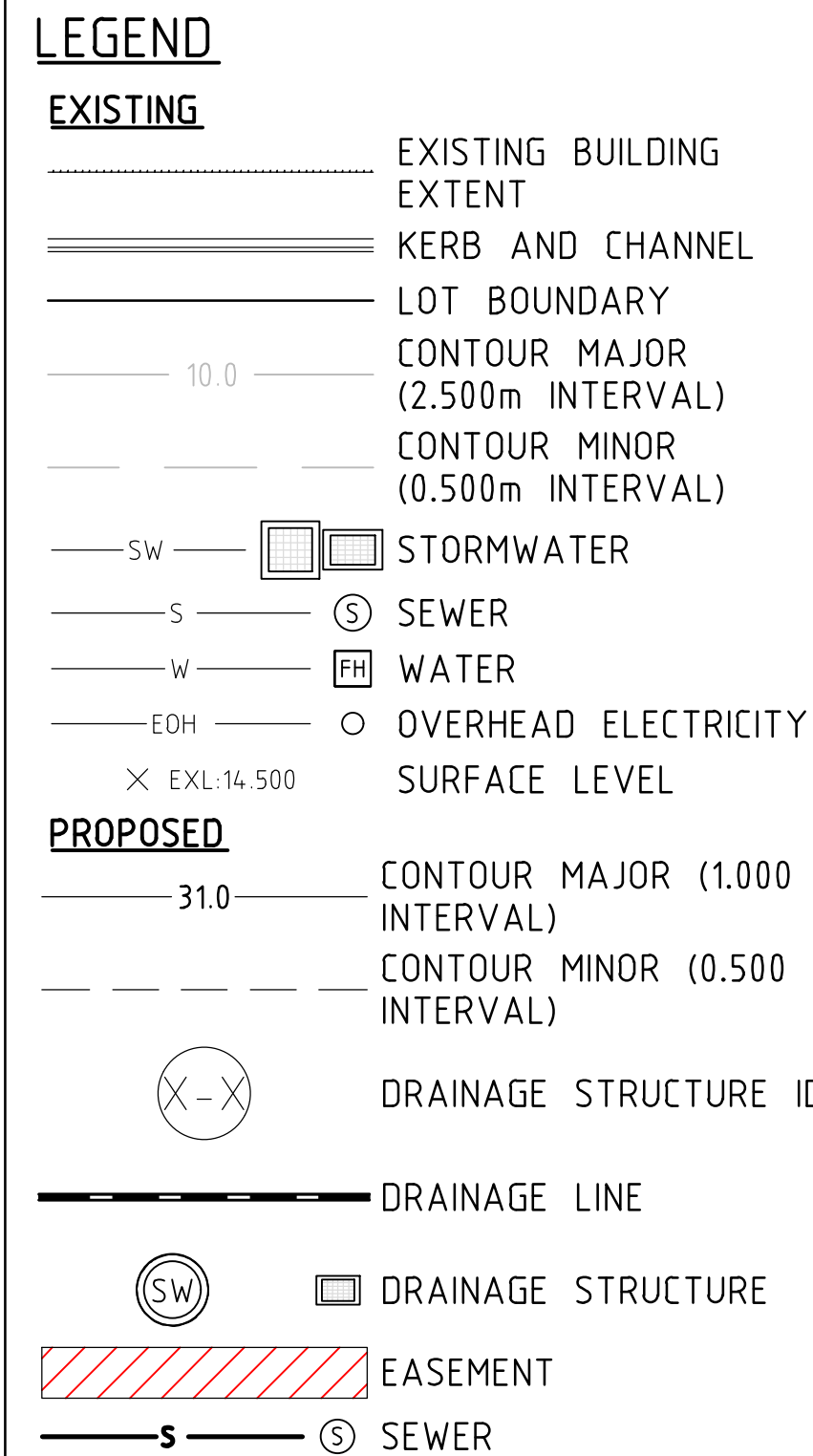
[illegible]

CHAINAGE	0.000	1.428	60.420	61.848
DEPTH TO NATURAL SURFACE				
		0.888	60.910	61.798
	20.000	0.414	61.335	61.748
	30.000	0.026	61.745	61.771
	40.000	-0.425	62.246	61.821
	47.907	-0.649	62.509	61.860

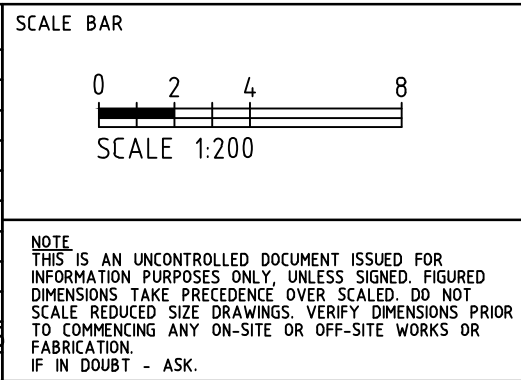
DRAWING NOTES

1. LEVELS DATUM IS AUSTRALIAN HEIGHT DATUM (A.H.D.).
2. GRADING REQUIREMENTS TO BE COMPLETED IN ACCORDANCE WITH AUSTRALIAN STANDARD AS2890.1, AS2890.2 AND AS2890.6.
3. ALL CONTOUR LINES & SPOT LEVELS INDICATE FINISHED PAVEMENT LEVELS U.N.O. ON PLAN.
4. CONTOUR INTERVALS
 - THE MINOR CONTOUR INTERVAL IS 0.1m.
 - THE MAJOR CONTOUR INTERVAL IS 0.5m.
5. FOOTPATH GRADING
 - MINIMUM CROSSFALL 1%
 - MAX LONGITUDINAL GRADE NOT COMPLIED WITH DUE TO NATURE OF ROAD GRADE
6. PERMANENT BATTER SLOPES ARE TO HAVE A MAXIMUM GRADE OF 1V:4H U.N.O. BASED ON GEOTECHNICAL ASSESSMENT. PROVIDE MINIMUM 0.5m BERM BETWEEN THE BACK OF KERB OR PAVEMENT EDGES AND THE TOP OR TOE OF A BATTER.
7. ALL BATTER SLOPE WITH GRADES AT OR EXCEEDING 1V:6H ARE TO BE TURFED IMMEDIATELY OR APPROPRIATE EROSION CONTROL IS TO BE PROVIDED.

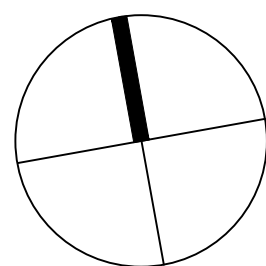
DRAWING STATUS			FOR APPROVAL NOT FOR CONSTRUCTION	
PROJECT LEADER MR	DESIGNER MR	RPEO SIGNATURE 		
SCALE 1:200	SHEET SIZE A1	MITCHELL ROWLEY - RPEO 35072		
JOB No. P-26011		DRAWING No. SK321		REVISION A



- ## DRAWING NOTES
1. REFER TO SK523 FOR BYPASS CATCHMENTS FOR QUANTITY & QUALITY
 2. ALL DRAINAGE WORKS TO COMPLY WITH CURRENT BCC STANDARD DRAWINGS, QUDM AND THE APPROVED SWMP.
 3. KERB ADAPTORS (K.A.) IN ACCORDANCE WITH BSD-8114. PIT AND STRUCTURE DETAILS TO BCC STANDARD DRAWINGS.
 4. INDICATIVE STORMWATER QUANTITY AND QUALITY TANK SHOWN. REFER TO THE STORMWATER MANAGEMENT PLAN (P-26011.SWMP) FOR STORAGE GEOMETRY, ORIFICE, OVERFLOW AND QUALITY ARRANGEMENT. FINAL DIMENSIONS SUBJECT TO OPW.
 5. PIPE SIZES, INVERT LEVELS AND GRADES ARE INDICATIVE AND SUBJECT TO DETAILED DESIGN AT OPW.
 6. EVENTS EXCEEDING THE MINOR SYSTEM CAPACITY ARE CONVEYED OVERLAND WITHIN THE ACCESS CORRIDOR TO THE LPOD AND DO NOT DISCHARGE THROUGH ADJOINING PRIVATE LAND.
 7. CONNECTION TO COUNCIL INFRASTRUCTURE CANNOT OCCUR UNTIL THE STORMWATER INFRASTRUCTURE UNDER A006751648 IS CONSTRUCTED.
 8. DRAINAGE EASEMENTS TO BE PROVIDED OVER INTER-ALLOTMENT DRAINAGE WITHIN PRIVATE LOTS IN ACCORDANCE WITH BCC REQUIREMENTS.
 9. ALL LEVELS IN METRES AHD U.N.O.

[illegible]

SURVEY PROJECT NO. - DWG/(REV) N/A	
HORIZ. DATUM GDA20	HEIGHT DATUM AHD
PSM N/A	LOCALITY/LGA BCC
ARCH PROJECT NO. - DWG/(REV) N/A	
ADDITIONAL DWG. REF	



RDC
ENGINEERING

CLIENT
HUONG THUY

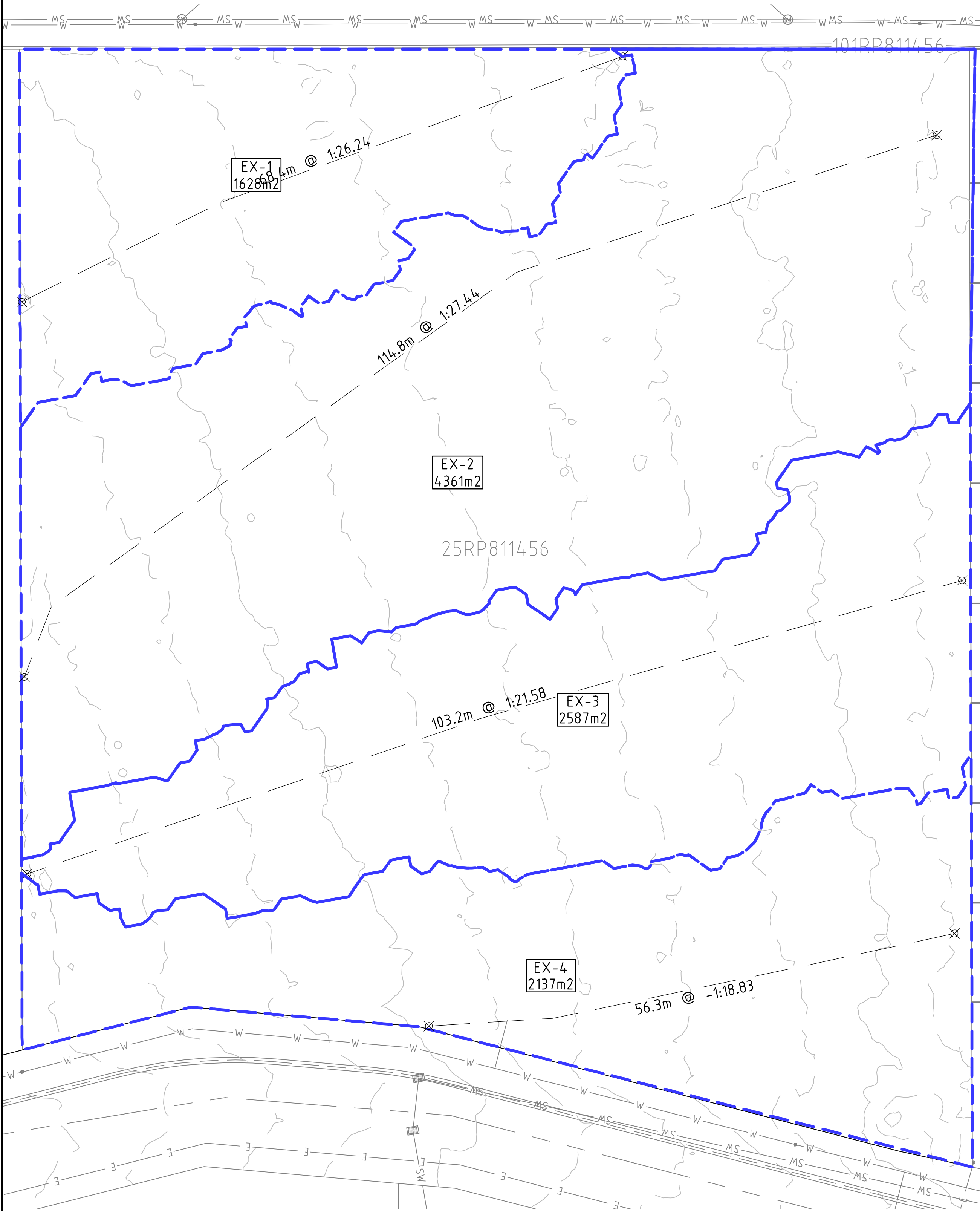
PROJECT TITLE
1 INTO 11 RAL
29 GREENTREE CRS
FOREST LAKE QLD 4078

DRAWING TITLE

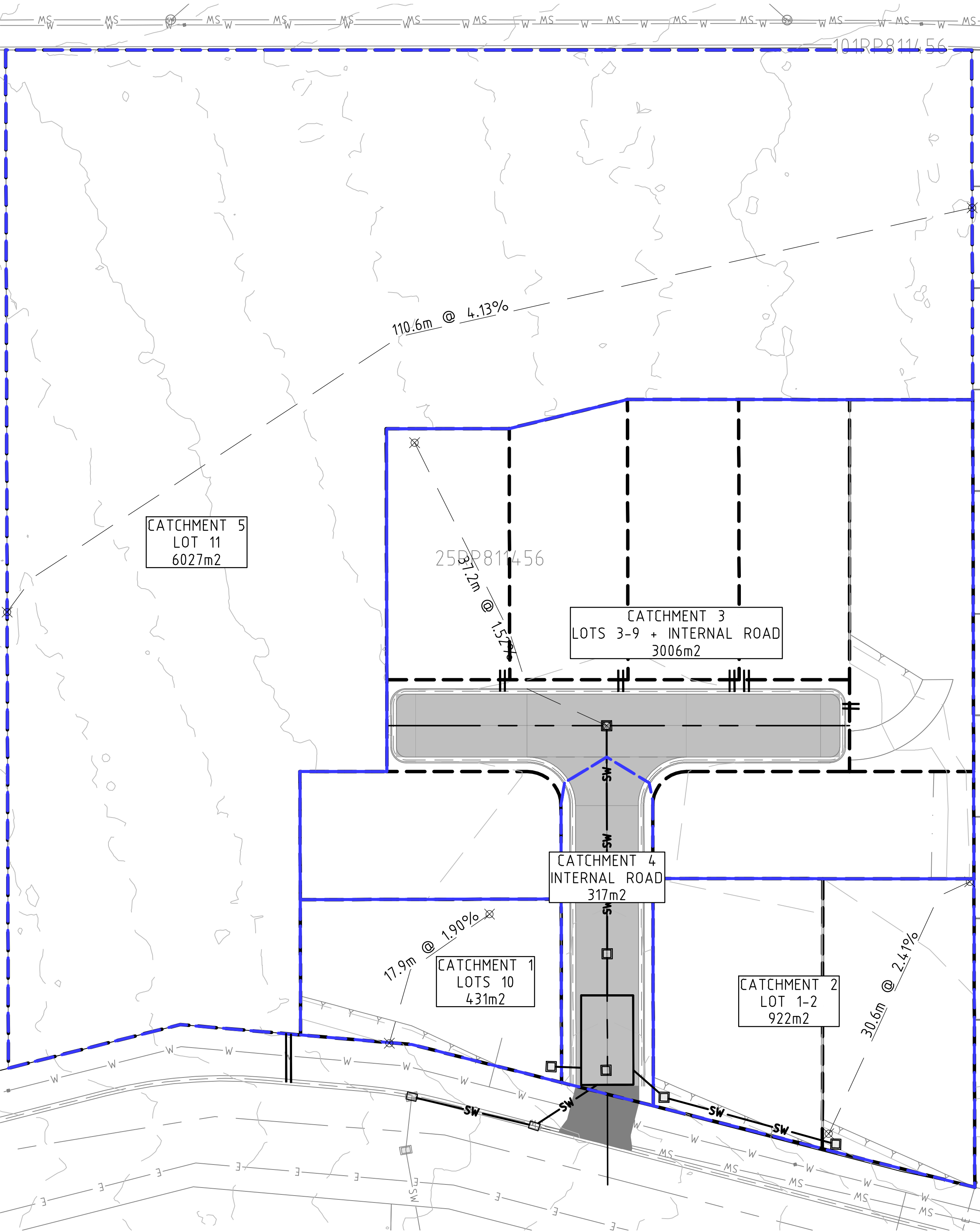
LAYOUT
DRAINAGE

DRAWING STATUS			FOR APPROVAL NOT FOR CONSTRUCTION		
PROJECT LEADER MR	DESIGNER MR	RPEO SIGNATURE  MITCHELL ROWLEY - RPEO 35072			
SCALE 1:200	SHEET SIZE A1				
JOB No. P-26011		DRAWING No. SK521	REVISION A		

BCC DS
LODGED
10/08/2026
APPLICATION REF
A007085999



PRE-DEVELOPMENT LAYOUT
SCALE 1:300



POST-DEVELOPMENT LAYOUT
SCALE 1:300

LEGEND

EXISTING

- EXISTING BUILDING EXTENT
- KERB AND CHANNEL
- LOT BOUNDARY
- CONTOUR MAJOR (2.500m INTERVAL)
- CONTOUR MINOR (0.500m INTERVAL)
- STORMWATER
- SEWER
- WATER
- OVERHEAD ELECTRICITY
- SURFACE LEVEL

PROPOSED

- CONTOUR MAJOR (1.000 INTERVAL)
- CONTOUR MINOR (0.500 INTERVAL)
- DRAINAGE STRUCTURE ID
- DRAINAGE LINE
- DRAINAGE STRUCTURE
- EASEMENT
- SEWER
- CATCHMENT

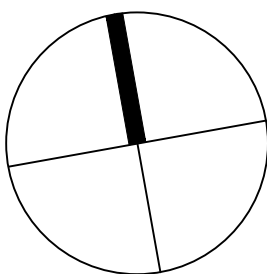
DRAWING NOTES

- CATCHMENT AREAS, FLOW LENGTHS AND GRADES DERIVED FROM THE DESIGN/EXISTING SURFACES. AREAS IN m2.
- PRE-DEVELOPMENT CATCHMENTS EX-1 TO EX-4 REFLECT EXISTING UNCONTROLLED OVERLAND FLOW TO THE ROAD FRONTAGE.
- POST-DEVELOPMENT CATCHMENTS 1 TO 4 DISCHARGE TO THE DETENTION SYSTEM. CATCHMENT 2 (LOT 1-2), TOGETHER WITH THE PERVIOUS PORTIONS OF CATCHMENT 1, BYPASSES.
- ANNOTATIONS DENOTE LONGEST FLOW PATH LENGTH AND AVERAGE GRADE PER CATCHMENT.
- REFER TO THE SWMP (P-26011,SWMP) FOR HYDROLOGIC PARAMETERS, RAINFALL LOSSES AND MODELLING (INFODRAINAGE, LAURENSEN).

REVISIONS:					
No.	FOR APPROVAL	REVISION DESCRIPTION	DRAWN	REVIEWED	DATE
A	FOR APPROVAL		MR	MR	29.07.26

SCALE BAR	
0 3 6 12	
SCALE 1:300	
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SURVEY PROJECT NO. - DWG(REV)	
N/A	
HORIZ DATUM	HEIGHT DATUM
GDA20	AHD
PSM	LOCALITY/LGA
N/A	BCC
ARCH PROJECT NO. - DWG(REV)	
N/A	
ADDITIONAL DWG. REF	

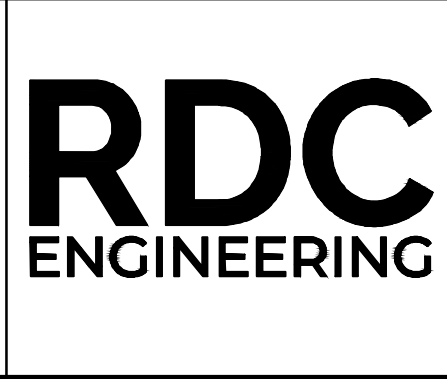
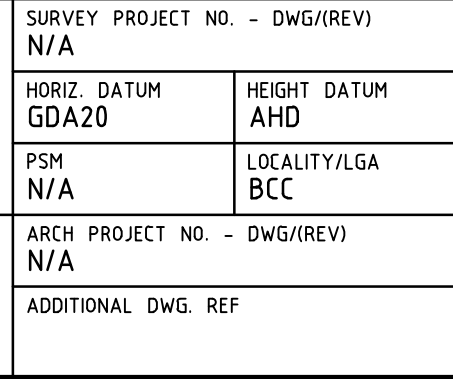
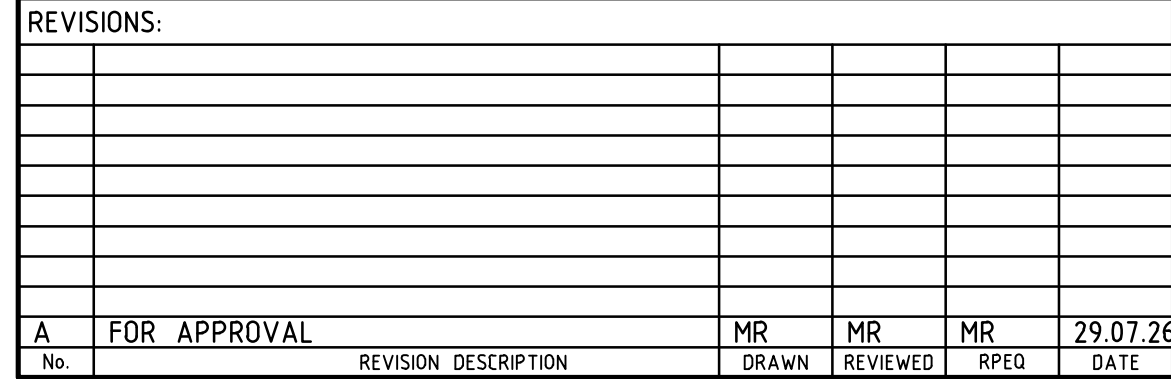


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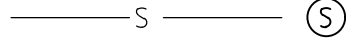
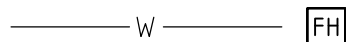
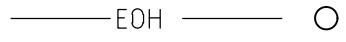
PROJECT TITLE
1 INTO 11 RAL
29 GREENTREE CRS
FOREST LAKE QLD 4078
DRAWING TITLE
LAYOUT
CATCHMENT

DRAWING STATUS			
FOR APPROVAL			
NOT FOR CONSTRUCTION			
PROJECT LEADER	DESIGNER	RPEQ SIGNATURE	
MR	MR		
SCALE	SHEET SIZE	MITCHELL ROWLEY - RPEQ 35072	
1:300	A1		
JOB No.	DRAWING No.	REVISION	
P-26011	SK522	A	

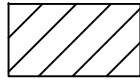


LEGEND

EXISTING

-  STREET TREE
-  EXISTING BUILDING EXTENT
-  KERB AND CHANNEL
-  LOT BOUNDARY
-  CONTOUR MAJOR (2.500m INTERVAL)
-  CONTOUR MINOR (0.500m INTERVAL)
-  STORMWATER
-  SEWER
-  WATER
-  OVERHEAD ELECTRICITY
-  EXL-14.500 SURFACE LEVEL

PROPOSED

-  ROOF AREA
-  GROUND (IMPERVIOUS) AREA
-  GROUND (PERVIOUS) AREA
-  ROAD AREA

- BCC DS**
LODGED
10/08/2026
APPLICATION REF
A007085999

DRAWING STATUS			FOR APPROVAL NOT FOR CONSTRUCTION		
PROJECT LEADER MR	DESIGNER MR	RPEQ SIGNATURE  MITCHELL ROWLEY - RPEQ 35072			
SHEET 1:200	SHEET SIZE A1				
JOB No. P-26011		DRAWING No. SK523		REVISION A	

