

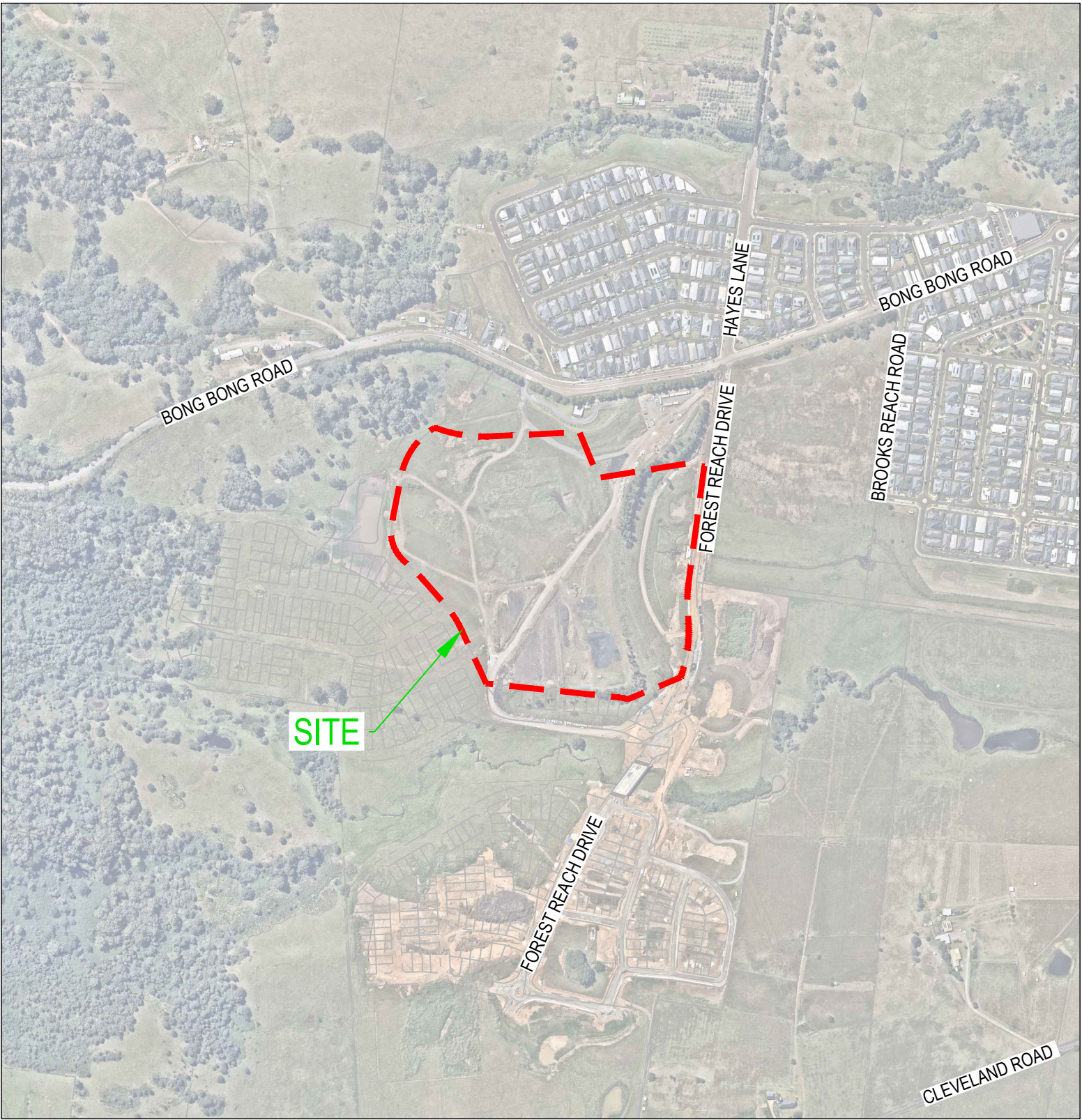
HALCYON FOREST REACH

LAND LEASE COMMUNITY (LLC)

CIVIL WORKS PLANS FOR DEVELOPMENT APPLICATION

PLAN NUMBER	DRAWING TITLE
MKR00256-13-C0000	COVER SHEET AND DRAWING SCHEDULE
MKR00256-13-C0030	ZONING LAYOUT PLAN
MKR00256-13-C0035	FLOOR SPACE RATIO LAYOUT PLAN
MKR00256-13-C0040	KEY PLAN
MKR00256-13-C0045	CIVIL WORKS STAGING PLAN
MKR00256-13-C0100	CIVIL WORKS LAYOUT PLAN 1 OF 4
MKR00256-13-C0101	CIVIL WORKS LAYOUT PLAN 2 OF 4
MKR00256-13-C0102	CIVIL WORKS LAYOUT PLAN 3 OF 4
MKR00256-13-C0103	CIVIL WORKS LAYOUT PLAN 4 OF 4
MKR00256-13-C0200	BULK EARTHWORKS LAYOUT PLAN
MKR00256-13-C0250	BULK EARTHWORKS SECTIONS PLAN 1 OF 4
MKR00256-13-C0251	BULK EARTHWORKS SECTIONS PLAN 2 OF 4
MKR00256-13-C0252	BULK EARTHWORKS SECTIONS PLAN 3 OF 4
MKR00256-13-C0253	BULK EARTHWORKS SECTIONS PLAN 4 OF 4
MKR00256-13-C0300	TYPICAL ROAD SECTIONS LAYOUT PLAN
MKR00256-13-C0310	TYPICAL ROAD SECTIONS 1 OF 3
MKR00256-13-C0311	TYPICAL ROAD SECTIONS 2 OF 3
MKR00256-13-C0312	TYPICAL ROAD SECTIONS 3 OF 3
MKR00256-13-C0350	CIVIL DETAILS 1 OF 3
MKR00256-13-C0351	CIVIL DETAILS 2 OF 3
MKR00256-13-C0352	CIVIL DETAILS 3 OF 3
MKR00256-13-C0353	CIVIL DETAILS TYPICAL SECTIONS 1 OF 4
MKR00256-13-C0354	CIVIL DETAILS TYPICAL SECTIONS 2 OF 4
MKR00256-13-C0355	CIVIL DETAILS TYPICAL SECTIONS 3 OF 4
MKR00256-13-C0356	CIVIL DETAILS TYPICAL SECTIONS 4 OF 4

PLAN NUMBER	DRAWING TITLE
MKR00256-13-C0500	LONGITUDINAL SECTIONS ROAD 01 1 OF 2
MKR00256-13-C0501	LONGITUDINAL SECTIONS ROAD 01 2 OF 2
MKR00256-13-C0502	LONGITUDINAL SECTIONS ROAD 02 1 OF 4
MKR00256-13-C0503	LONGITUDINAL SECTIONS ROAD 02 2 OF 4
MKR00256-13-C0504	LONGITUDINAL SECTIONS ROAD 02 3 OF 4
MKR00256-13-C0505	LONGITUDINAL SECTIONS ROAD 02 4 OF 4
MKR00256-13-C0506	LONGITUDINAL SECTIONS ROAD 03
MKR00256-13-C0507	LONGITUDINAL SECTIONS ROAD 04
MKR00256-13-C0508	LONGITUDINAL SECTIONS ROAD 05 1 OF 2
MKR00256-13-C0509	LONGITUDINAL SECTIONS ROAD 05 2 OF 2
MKR00256-13-C0510	LONGITUDINAL SECTIONS ROAD 06 1 OF 2
MKR00256-13-C0511	LONGITUDINAL SECTIONS ROAD 06 2 OF 2
MKR00256-13-C0512	LONGITUDINAL SECTIONS ROAD 07 1 OF 2
MKR00256-13-C0513	LONGITUDINAL SECTIONS ROAD 07 2 OF 2
MKR00256-13-C0550	LONGITUDINAL SECTIONS SWALE 01
MKR00256-13-C1500	SOIL AND WATER MANAGEMENT DETAILS
MKR00256-13-C1501	SOIL AND WATER MANAGEMENT LAYOUT PLAN
MKR00256-13-C1600	RETAINING WALL LAYOUT PLAN
MKR00256-13-C1700	SWEPT PATH LAYOUT PLAN DESIGN VEHICLES 1 OF 4
MKR00256-13-C1701	SWEPT PATH LAYOUT PLAN DESIGN VEHICLES 2 OF 4
MKR00256-13-C1702	SWEPT PATH LAYOUT PLAN DESIGN VEHICLES 3 OF 4
MKR00256-13-C1703	SWEPT PATH LAYOUT PLAN DESIGN VEHICLES 4 OF 4
MKR00256-13-C1704	SWEPT PATH LAYOUT PLAN CHECK VEHICLE 1 OF 4
MKR00256-13-C1705	SWEPT PATH LAYOUT PLAN CHECK VEHICLE 2 OF 4
MKR00256-13-C1706	SWEPT PATH LAYOUT PLAN CHECK VEHICLE 3 OF 4
MKR00256-13-C1707	SWEPT PATH LAYOUT PLAN CHECK VEHICLE 4 OF 4
MKR00256-13-C1800	SIGHT LINES 1 OF 2
MKR00256-13-C1801	SIGHT LINES 2 OF 2
MKR00256-13-C2200	SIGNS AND LINEMARKING LAYOUT PLAN



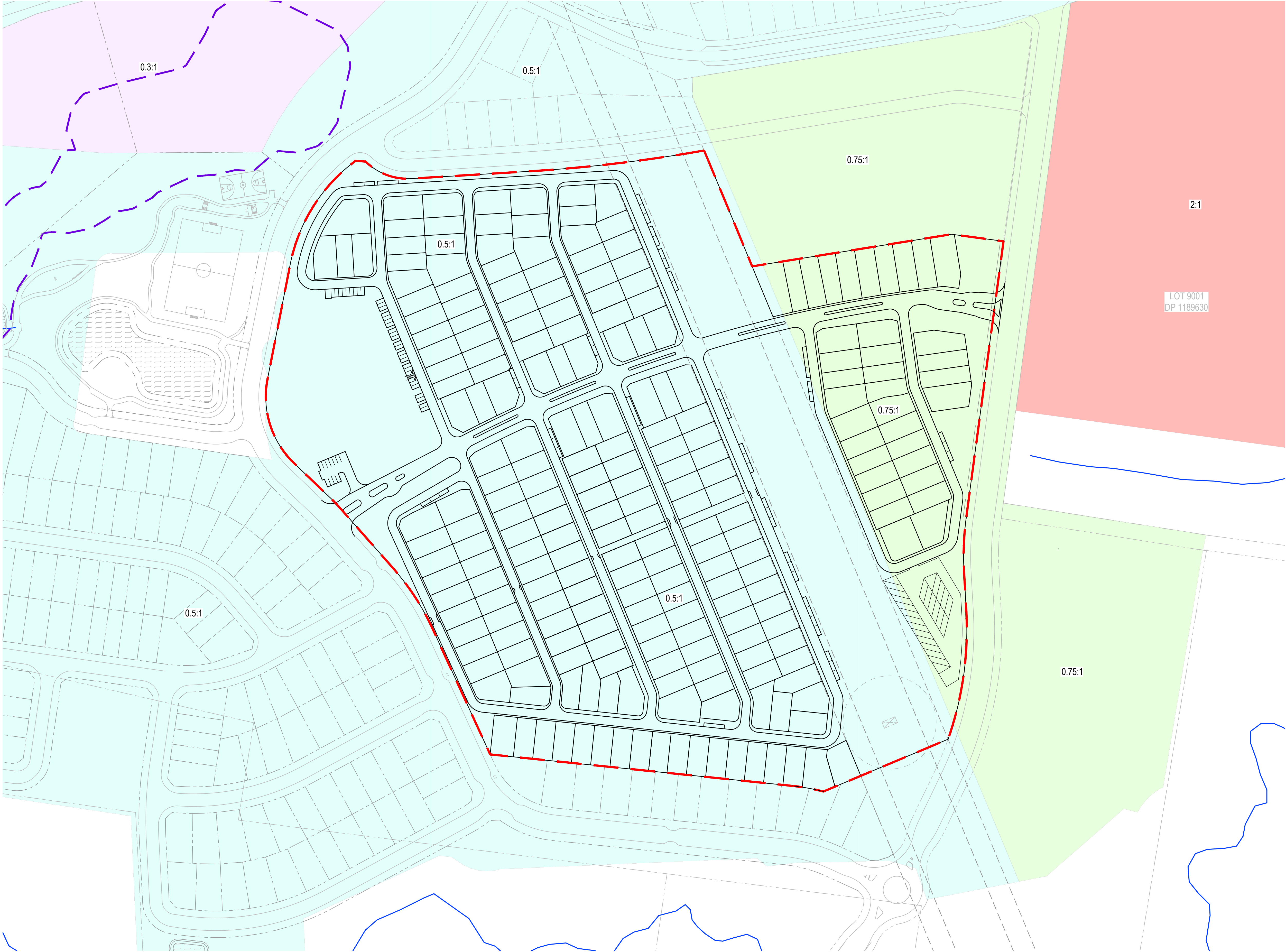
LOCALITY DIAGRAM

CLIENT:



CONSULTANTS:





PROPOSED
 SITE BOUNDARY
 LOT BOUNDARY

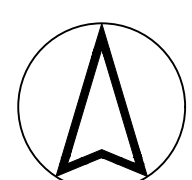
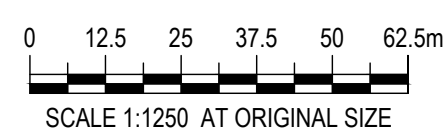
FLOOR SPACE RATIO

	0.3:1	0.3:1 FSR
	0.5:1	0.5:1 FSR
	0.75:1	0.75:1 FSR
	2:1	2:1 FSR

EXISTING
 LOT BOUNDARY
 EASEMENT
 MAPPED WATER COURSE

FUTURE
 LOT BOUNDARY

2	03.09.24	RE-ISSUED FOR APPROVAL	JJP	KJM
1	20.10.23	ISSUED FOR DA	CB	KJM
REV	DATE	DESCRIPTION	AMD BY	APP BY

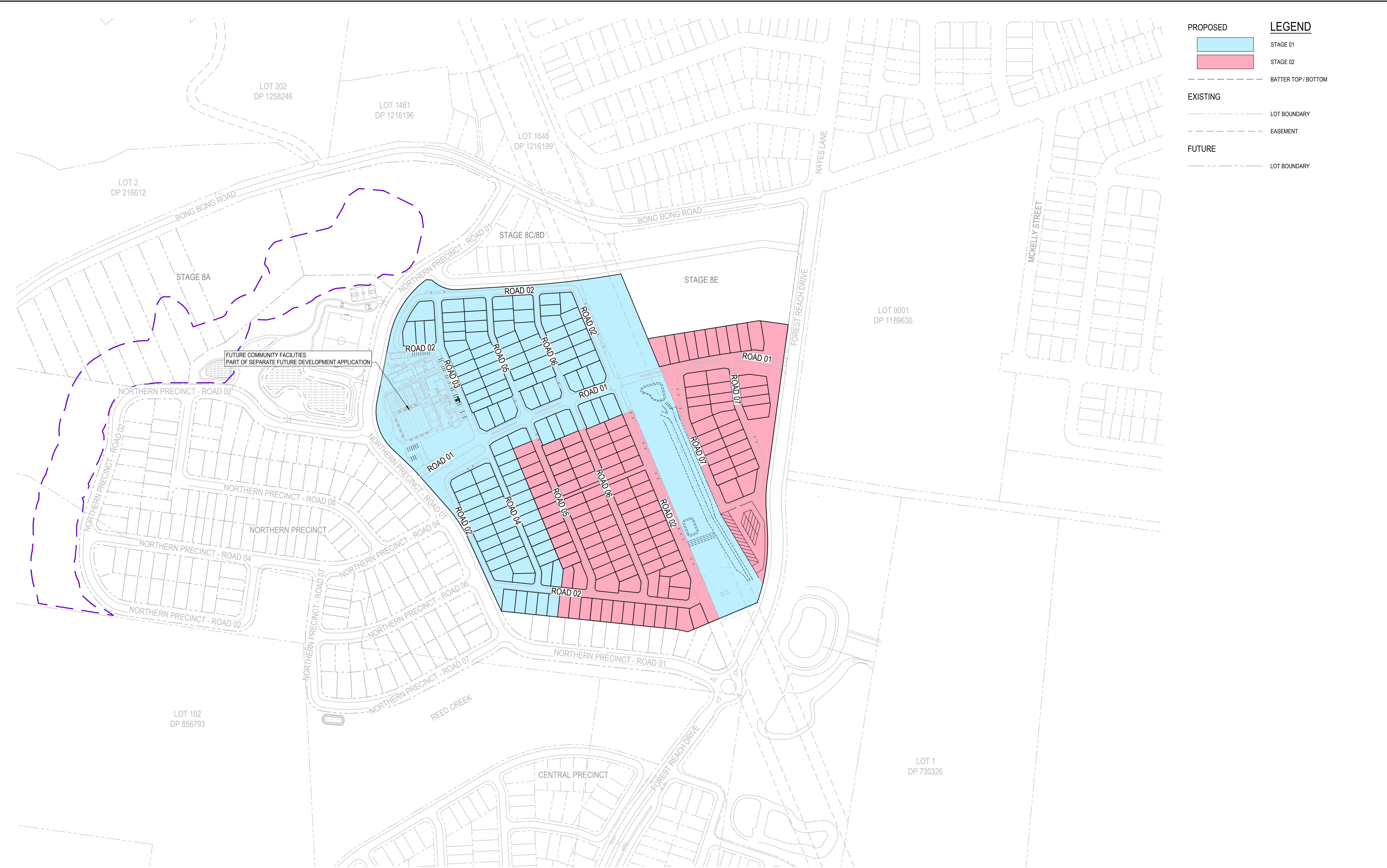


DRAWN: C.BALDWIN	DESIGNED: P.MCCANN
DRAFT CHECK: S.MCINNES	DESIGN CHECK: T.HOWE
APPROVED: K.MACDONALD	
NOT FOR CONSTRUCTION	

STOCKLAND FOREST REACH HALCYON COMMUNITIES LLC PRECINCT FLOOR SPACE RATIO LAYOUT PLAN			
DRAWING NUMBER MKR00256-13-C0035	SHEET No.	ORIG. SIZE A1	REVISION 2

Control Baldwin, 3/9/2024, 10:36 AM

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PROPOSED

STAGE 01

STAGE 02

BATTER TOP / BOTTOM

EXISTING

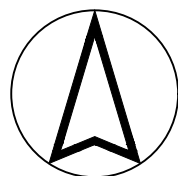
LOT BOUNDARY

EASEMENT

FUTURE

LOT BOUNDARY

2	03.09.24	RE-ISSUED FOR APPROVAL	JJP	KJM
1	20.10.23	ISSUED FOR DA	CB	KJM
REV	DATE	DESCRIPTION	AMD BY	APP BY



DRAWN: C.BALDWIN	DESIGNED: P.MCCANN
DRAFT CHECK: S.MCINNES	DESIGN CHECK: T.HOWE
APPROVED:	K.MACDONALD

NOT FOR CONSTRUCTION

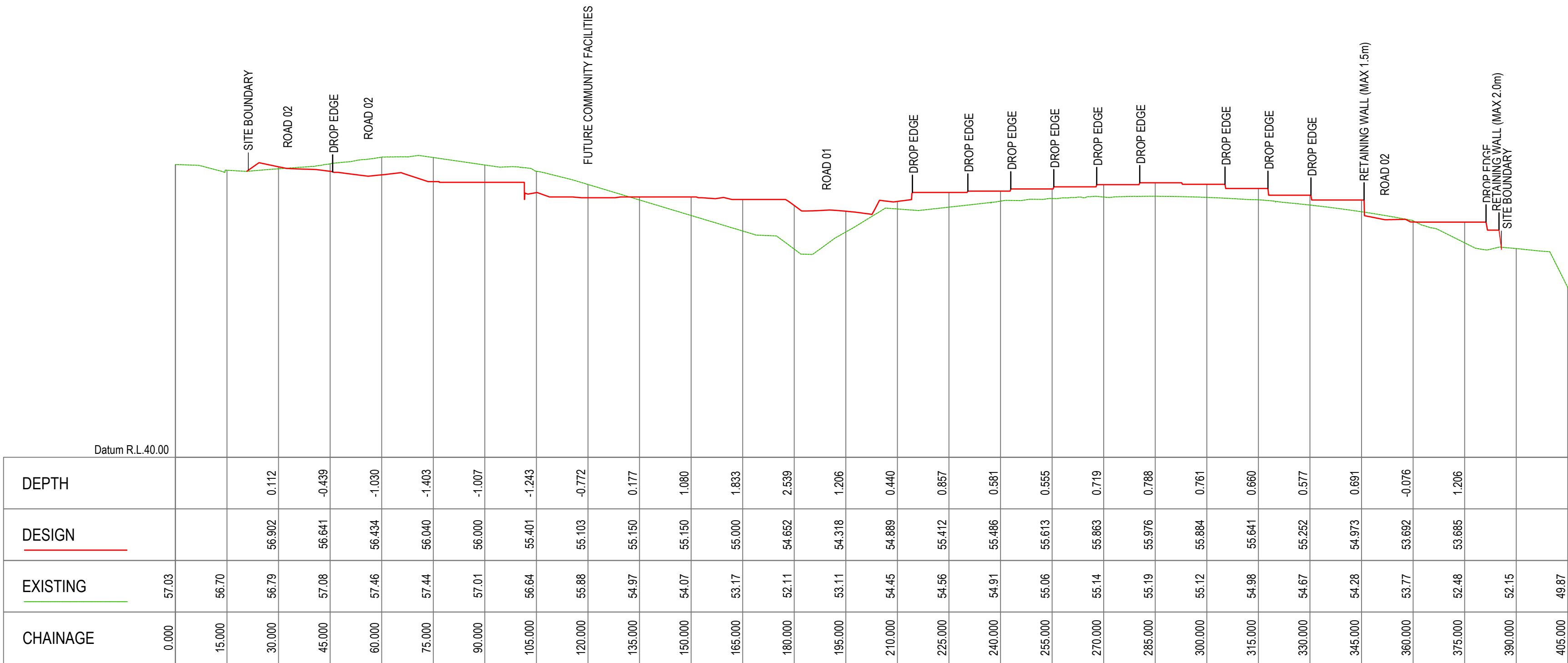
STOCKLAND FOREST REACH
HALCYON COMMUNITIES LLC PRECINCT
CIVIL WORKS
STAGING PLAN

DRAWING NUMBER MKR00256-13-C0045	SHEET No.	ORIG. SIZE A1	REVISION 2
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- NOTES:
1.

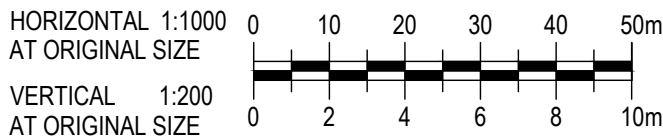
EXISTING SURFACE IS PER THE PREVIOUSLY APPROVED BULK EARTHWORKS SURFACE UNDER DA/2021/1041.
2.

BULK EARTHWORKS LEVELS (APPROVED UNDER DA 2021 1401) AS SHOWN IN GREEN WILL BE MODIFIED TO SUIT THE RED DA DESIGN SURFACE (INCLUDING BENCHING OF ROADS, PADS, AND SERVICES AS REQUIRED) TO ENSURE COAL WASH AND CAPPING LEVELS ARE SUITABLE.



C:\Users\Baldwin_39\OneDrive\Desktop\MKR00256-13-C0200.dwg

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1	20.10.23	ISSUED FOR DA	CB	KJM
REV	DATE	DESCRIPTION	AMD BY	APP BY

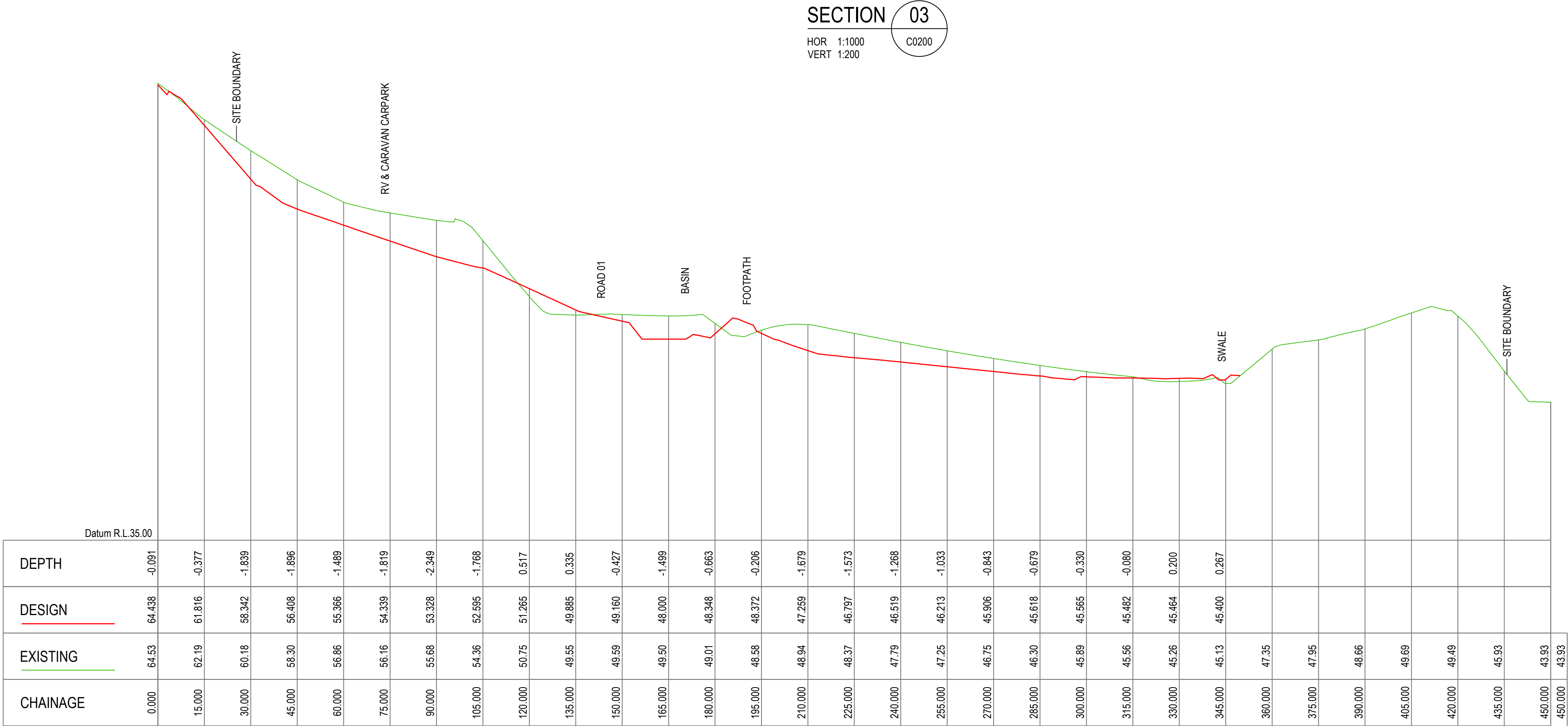
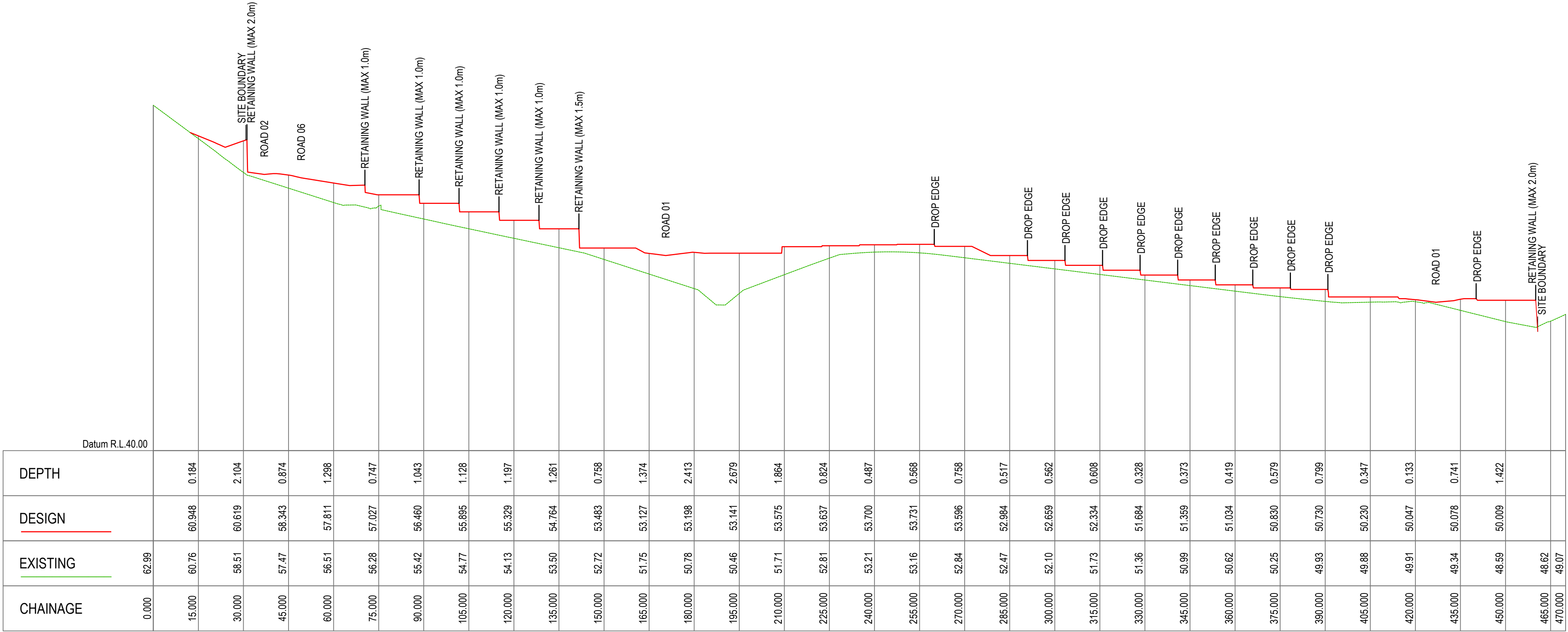


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DRAFT CHECK: S.MCINNIS	DESIGN CHECK: T.HOWE
APPROVED:	K.MACDONALD
NOT FOR CONSTRUCTION	

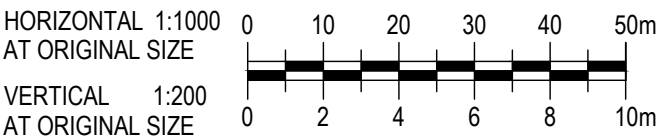
STOCKLAND FOREST REACH
HALCYON COMMUNITIES LLC PRECINCT
BULK EARTHWORKS
SECTIONS PLAN

DRAWING NUMBER MKR00256-13-C0250	SHEET No. 1 OF 4	ORIG. SIZE A1	REVISION 2
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- NOTES:
- EXISTING SURFACE IS PER THE PREVIOUSLY APPROVED BULK EARTHWORKS SURFACE UNDER DA/2021/1041.
 - BULK EARTHWORKS LEVELS (APPROVED UNDER DA 2021 1401) AS SHOWN IN GREEN WILL BE MODIFIED TO SUIT THE RED DA DESIGN SURFACE (INCLUDING BENCHING OF ROADS, PADS, AND SERVICES AS REQUIRED) TO ENSURE COAL WASH AND CAPPING LEVELS ARE SUITABLE.



2	03.09.24	RE-ISSUED FOR APPROVAL	JJP	KJM
1	20.10.23	ISSUED FOR DA	CB	KJM
REV	DATE	DESCRIPTION	AMD BY	APP BY

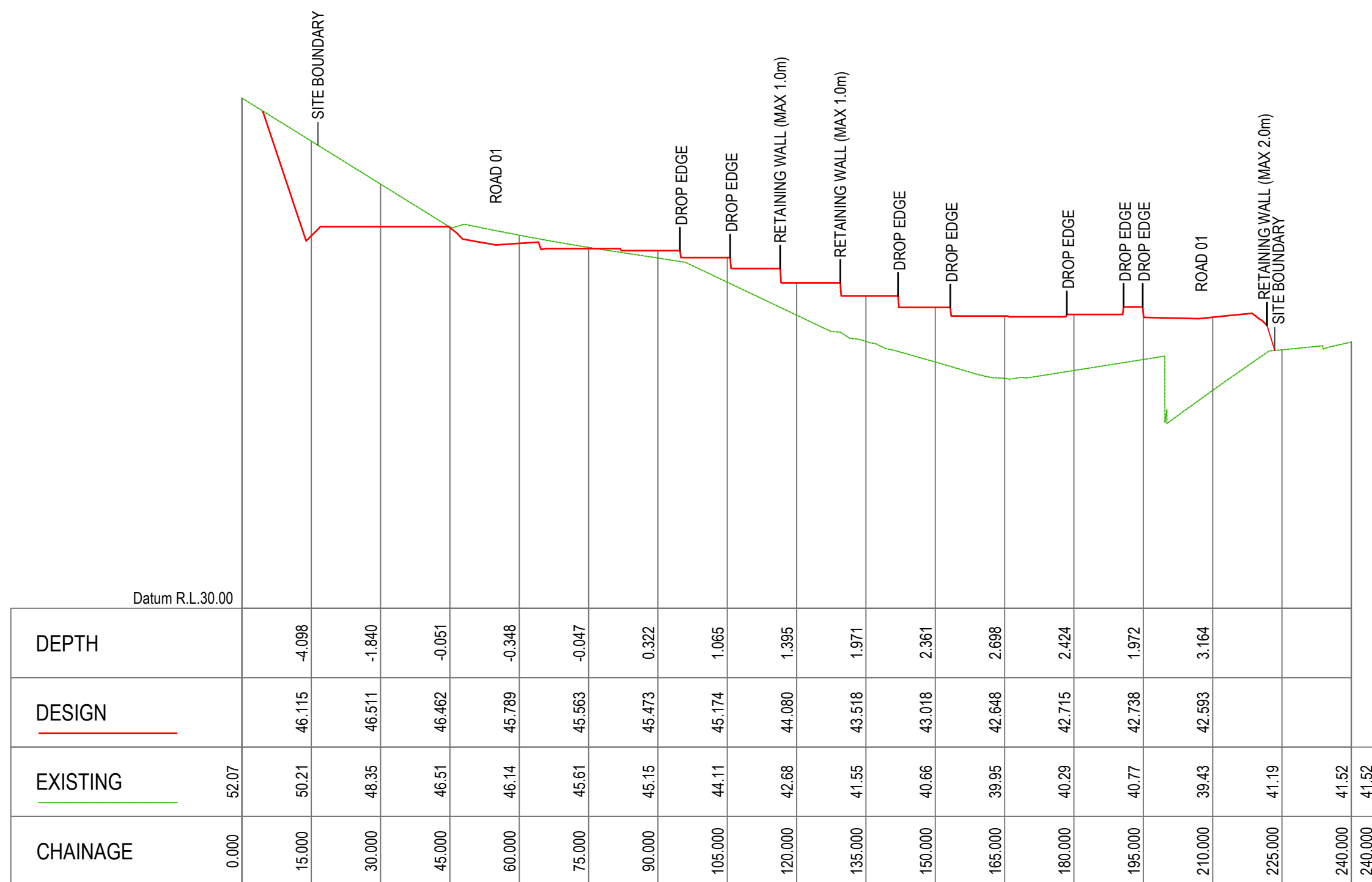


DRAWN: C.BALDWIN	DESIGNED: P.MCCANN
DRAFT CHECK: S.MCINNES	DESIGN CHECK: T.HOWE
APPROVED:	K.MACDONALD
NOT FOR CONSTRUCTION	

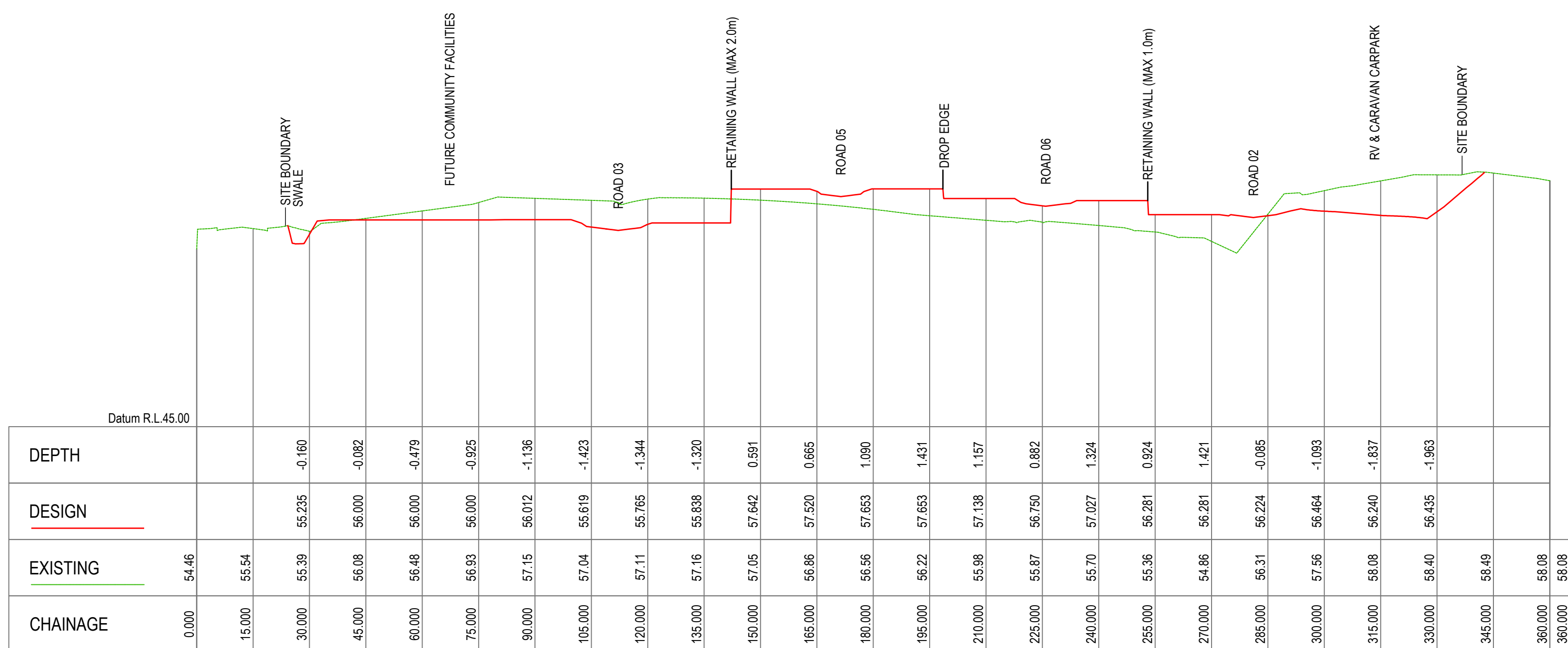
STOCKLAND FOREST REACH
HALCYON COMMUNITIES LLC PRECINCT
BULK EARTHWORKS
SECTIONS PLAN

DRAWING NUMBER MKR00256-13-C0251	SHEET No. 2 OF 4	ORIG. SIZE A1	REVISION 2
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- NOTES:**
1. EXISTING SURFACE IS PER THE PREVIOUSLY APPROVED BULK EARTHWORKS SURFACE UNDER DA/2021/1041.
 2. BULK EARTHWORKS LEVELS (APPROVED UNDER DA 2021 1401) AS SHOWN IN GREEN WILL BE MODIFIED TO SUIT THE RED DA DESIGN SURFACE (INCLUDING BENCHING OF ROADS, PADS, AND SERVICES AS REQUIRED) TO ENSURE COAL WASH AND CAPPING LEVELS ARE SUITABLE.

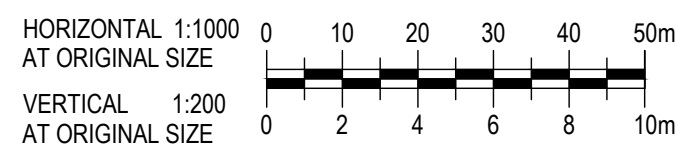


SECTION 05
HOR 1:1000
VERT 1:200



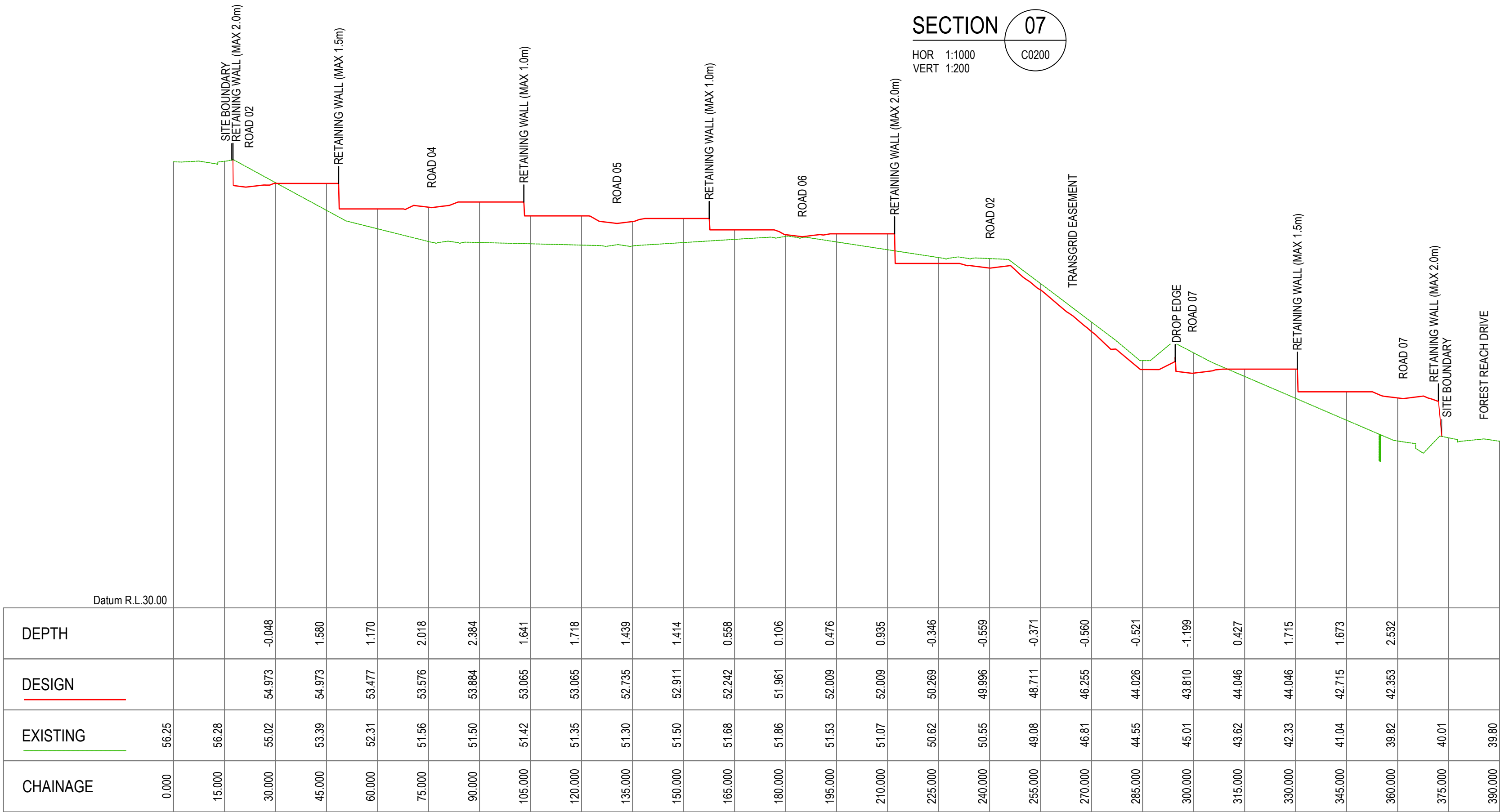
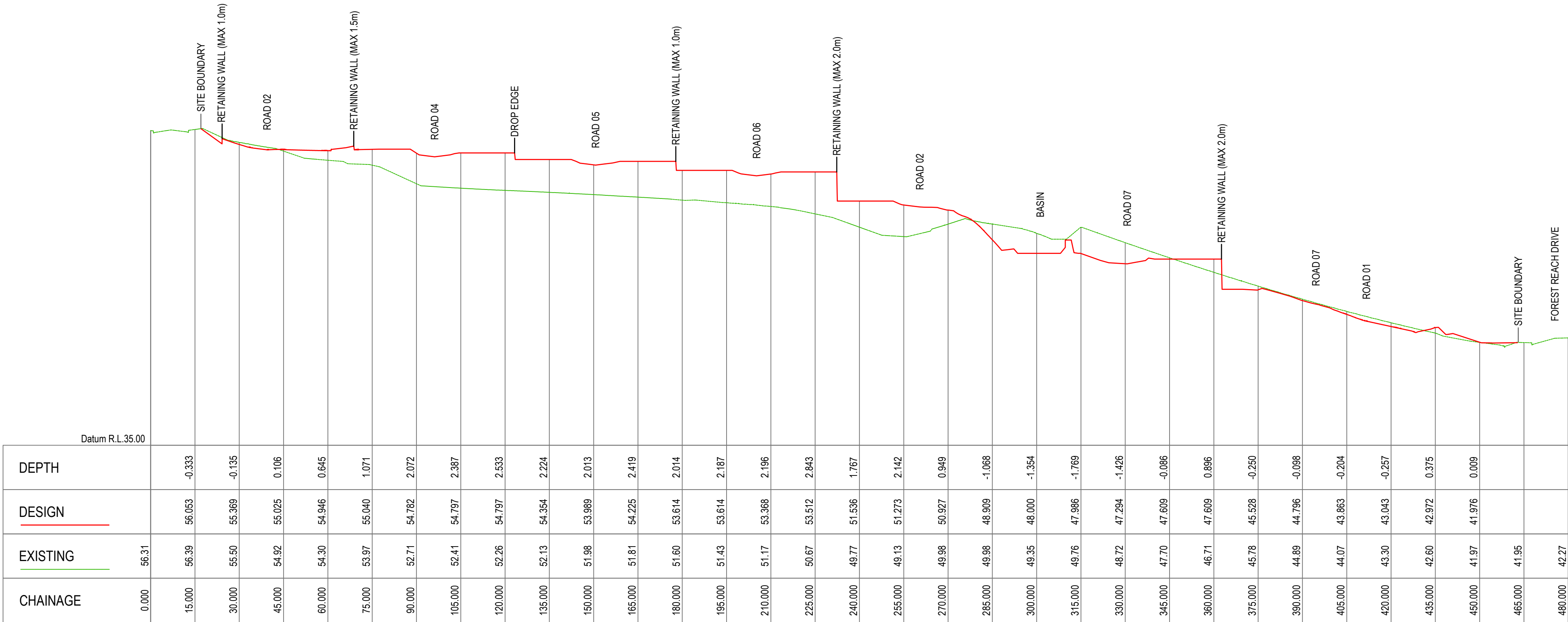
SECTION 06
 HOR 1:1000
 VERT 1:200

2	03.09.24	RE-ISSUED FOR APPROVAL		JJP	KJM
1	20.10.23	ISSUED FOR DA		CB	KJM
REV	DATE	DESCRIPTION		AMD BY	APP BY



DRAWN: C.BALDWIN	DESIGNED: P.MCCANN	STOCKLAND FOREST REACH HALCYON COMMUNITIES LLC PRECINCT BULK EARTHWORKS SECTIONS PLAN			
DRAFT CHECK: S.MCINNIS	DESIGN CHECK: T.HOWE				
APPROVED:	K.MACDONALD				
NOT FOR CONSTRUCTION		DRAWING NUMBER	SHEET No.	ORIG. SIZE	REVISION
		MKR00256-13-C0252	3 OF 4	A1	2

- NOTES:
- EXISTING SURFACE IS PER THE PREVIOUSLY APPROVED BULK EARTHWORKS SURFACE UNDER DA/2021/1041.
 - BULK EARTHWORKS LEVELS (APPROVED UNDER DA 2021 1401) AS SHOWN IN GREEN WILL BE MODIFIED TO SUIT THE RED DA DESIGN SURFACE (INCLUDING BENCHING OF ROADS, PADS, AND SERVICES AS REQUIRED) TO ENSURE COAL WASH AND CAPPING LEVELS ARE SUITABLE.



SECTION 08

HOR 1:1000
VERT 1:200

HORIZONTAL 1:1000
AT ORIGINAL SIZE
VERTICAL 1:200
AT ORIGINAL SIZE

0 10 20 30 40 50m
0 2 4 6 8 10m



DRAWN: C.BALDWIN
DESIGNED: P.MCCANN
DRAFT CHECK: S.MCINNIS
DESIGN CHECK: T.HOWE
APPROVED: K.MACDONALD

STOCKLAND FOREST REACH
HALCYON COMMUNITIES LLC PRECINCT
BULK EARTHWORKS
SECTIONS PLAN

DRAWING NUMBER MKR00256-13-C0253
SHEET No. 4 OF 4
ORIG. SIZE A1
REVISION 2

REV	DATE	DESCRIPTION	AMD BY	APP BY
2	03.09.24	RE-ISSUED FOR APPROVAL	JJP	KJM
1	20.10.23	ISSUED FOR DA	CB	KJM



PROPOSED

LEGEND

SITE BOUNDARY

STAGING BOUNDARY

MAIN BOULEVARD
(14.75m ROAD RESERVE)

PERIMETER ROAD
(12.0m ROAD RESERVE)

PERIMETER ROAD
(8.0m ROAD RESERVE)

MINOR ACCESS ROAD
(8.5m ROAD RESERVE)

ACCESS STREET
(7.5m ROAD RESERVE)

ROAD CENTERLINE AND CHAINAGE

LOT BOUNDARY

EXISTING

LOT BOUNDARY

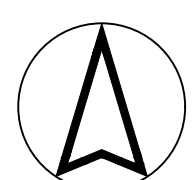
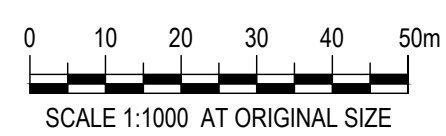
EASEMENT

FUTURE

LOT BOUNDARY

LOT 9001
DP 1189630

REV	DATE	DESCRIPTION	APP BY
2	03.09.24	RE-ISSUED FOR APPROVAL	JJP KJM
1	20.10.23	ISSUED FOR DA	CB KJM

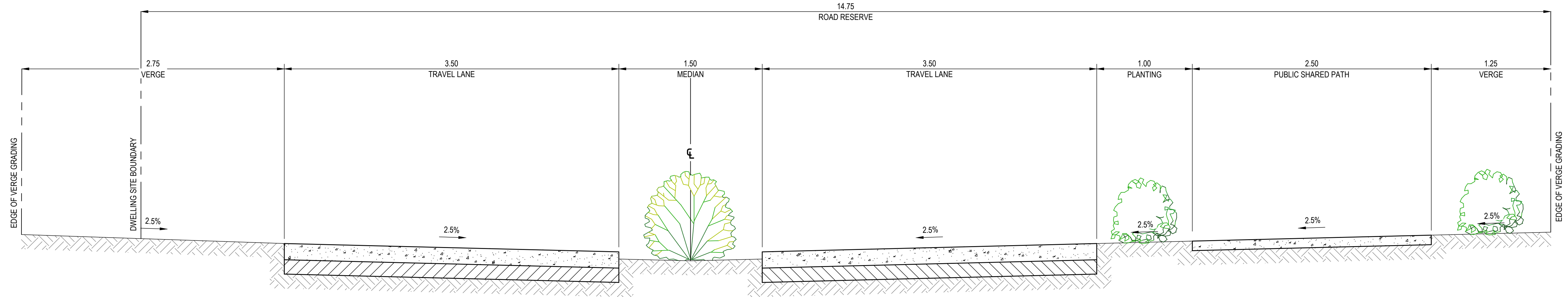


DRAWN: C.BALDWIN	DESIGNED: P.MCCANN
DRAFT CHECK: S.MCINNES	DESIGN CHECK: T.HOWE
APPROVED: K.MACDONALD	
NOT FOR CONSTRUCTION	

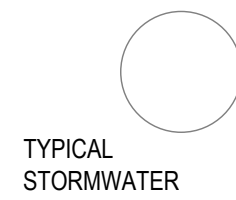
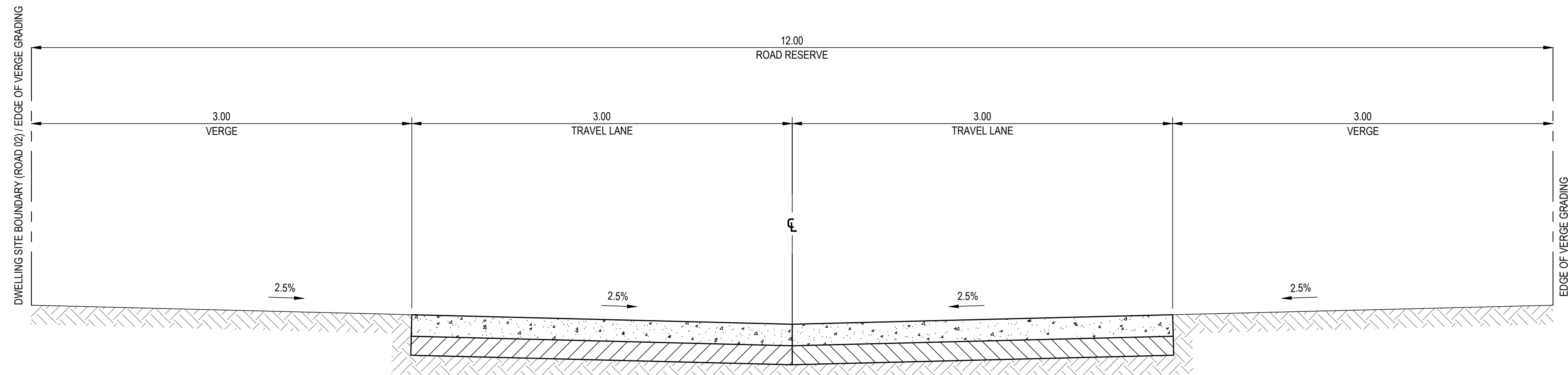
STOCKLAND FOREST REACH HALCYON COMMUNITIES LLC PRECINCT TYPICAL ROAD SECTIONS LAYOUT PLAN			
DRAWING NUMBER MKR00256-13-C0300	SHEET No.	ORIG. SIZE A1	REVISION 2

Control: Baldwin, 3/9/2024, 10:39 AM

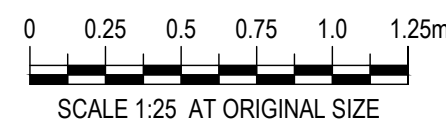
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14.75m BOULEVARD
SCALE 1:25



12.0m PERIMETER STREET
SCALE 1:25



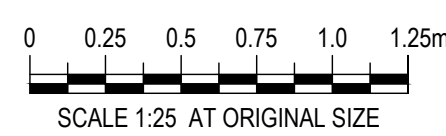
DRAWN: C.BALDWIN	DESIGNED: P.MCCANN
DRAFT CHECK: S.MCINNES	DESIGN CHECK: T.HOWE
APPROVED: K.MACDONALD	
NOT FOR CONSTRUCTION	

STOCKLAND FOREST REACH HALCYON COMMUNITIES LLC PRECINCT TYPICAL ROAD SECTIONS			
DRAWING NUMBER MKR00256-13-C0310	SHEET No. 1 OF 3	ORIG. SIZE A1	REVISION 2

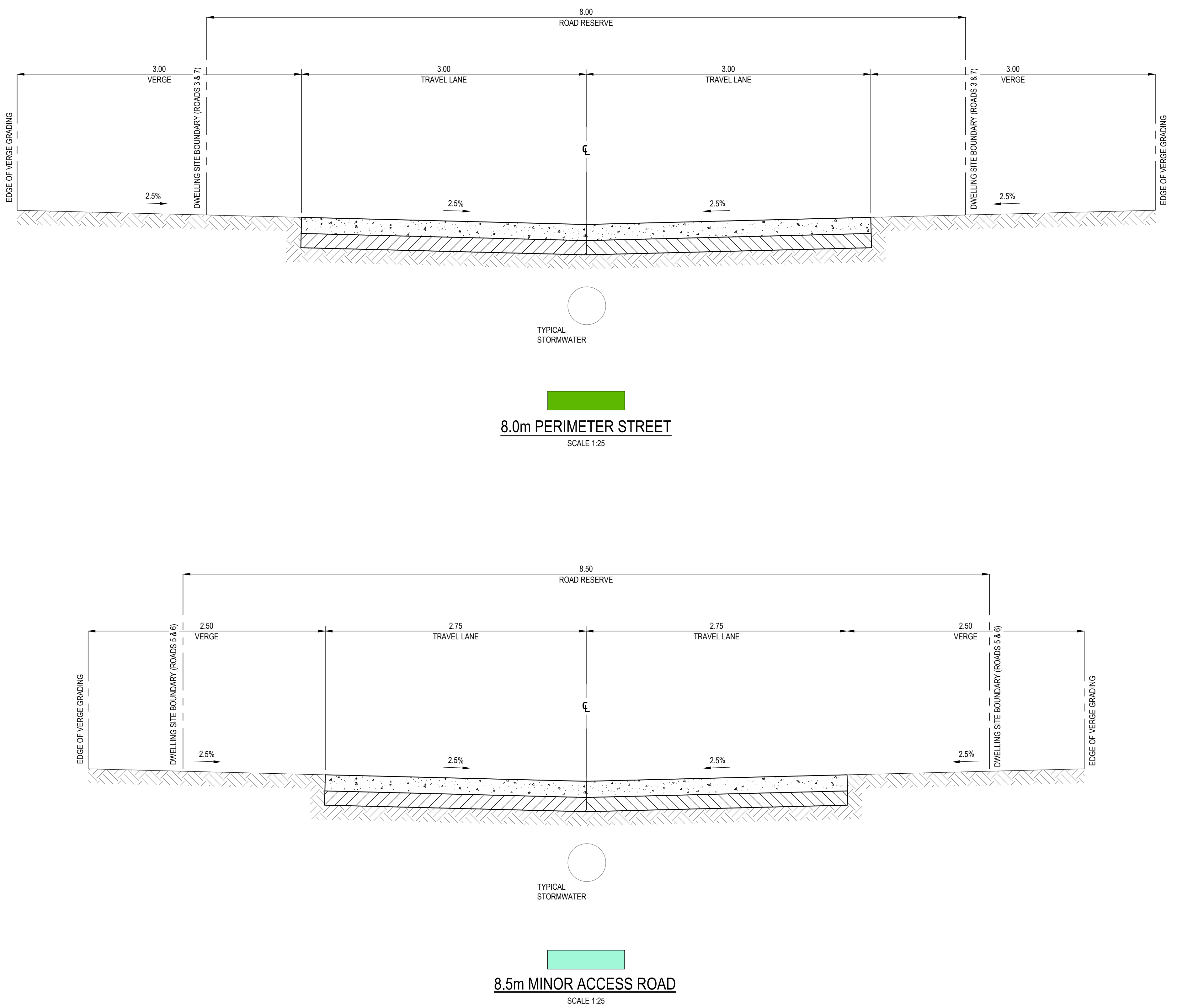
REV	DATE	DESCRIPTION	AMD BY	APP BY
2	03.09.24	RE-ISSUED FOR APPROVAL	JJP	KJM
1	20.10.23	ISSUED FOR DA	CB	KJM

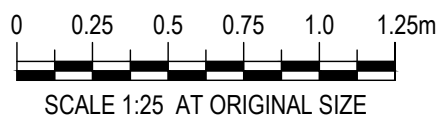
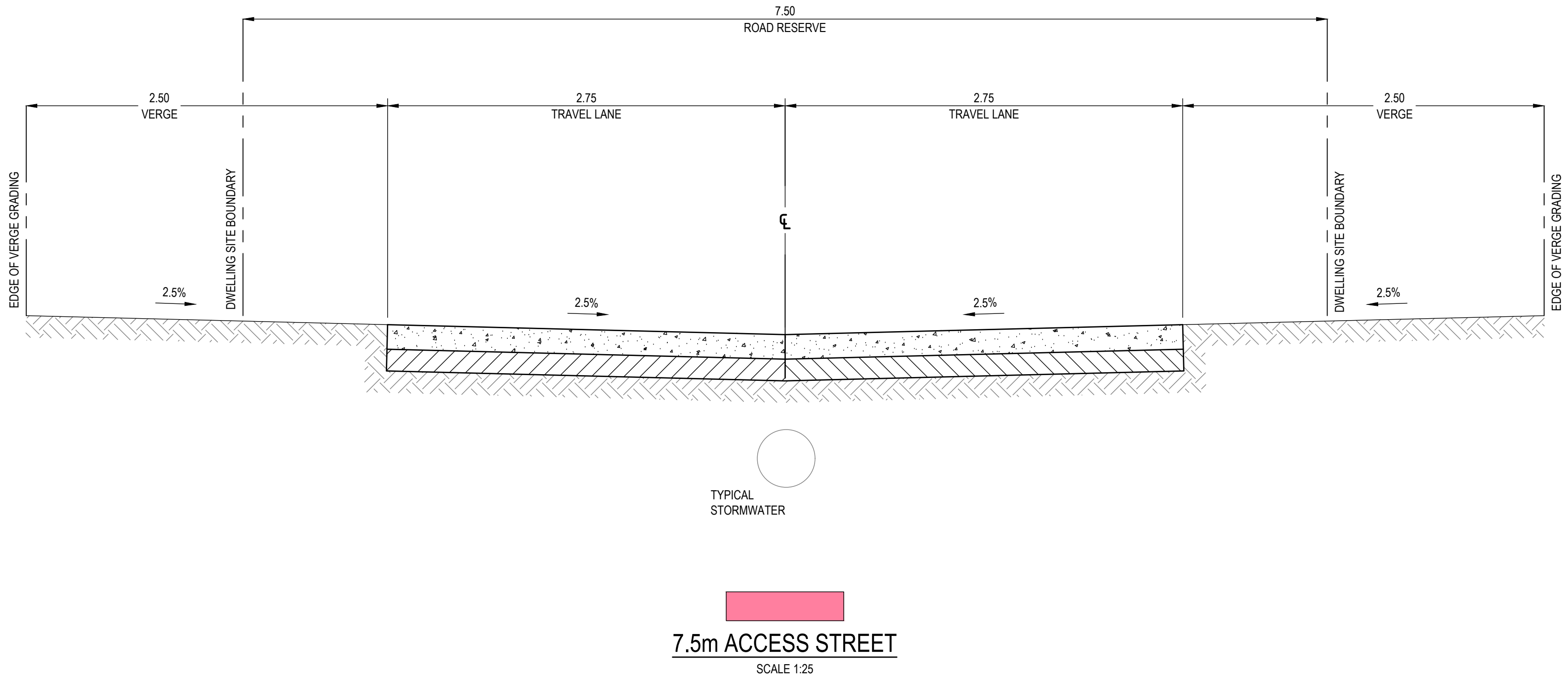
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2	03.09.24	RE-ISSUED FOR APPROVAL	JJP	KJM	
1	20.10.23	ISSUED FOR DA	CB	KJM	
REV	DATE	DESCRIPTION	AMD BY	APP BY	



DRAWN: C.BALDWIN	DESIGNED: P.MCCANN	STOCKLAND FOREST REACH HALCYON COMMUNITIES LLC PRECINCT TYPICAL ROAD SECTIONS			
DRAFT CHECK: S.MCINNES	DESIGN CHECK: T.HOWE				
APPROVED: K.MACDONALD					
NOT FOR CONSTRUCTION		DRAWING NUMBER MKR00256-13-C0311	SHEET No. 2 OF 3	ORIG. SIZE A1	REVISION 2





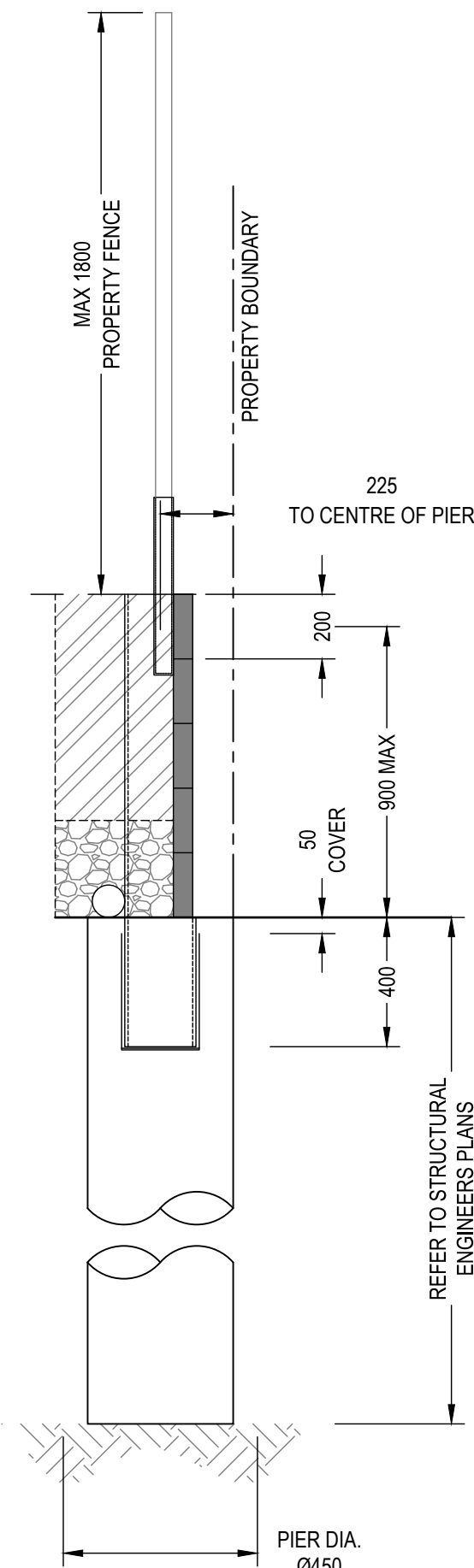
DRAWN: C.BALDWIN	DESIGNED: P.MCCANN
DRAFT CHECK: S.MCINNES	DESIGN CHECK: T.HOWE
APPROVED: K.MACDONALD	

STOCKLAND FOREST REACH
HALCYON COMMUNITIES LLC PRECINCT
TYPICAL ROAD SECTIONS

2	03.09.24	RE-ISSUED FOR APPROVAL	JJP	KJM
1	20.10.23	ISSUED FOR DA	CB	KJM
REV	DATE	DESCRIPTION	AMD BY	APP BY

NOT FOR CONSTRUCTION

DRAWING NUMBER MKR00256-13-C0312	SHEET No. 3 OF 3	ORIG. SIZE A1	REVISION 2
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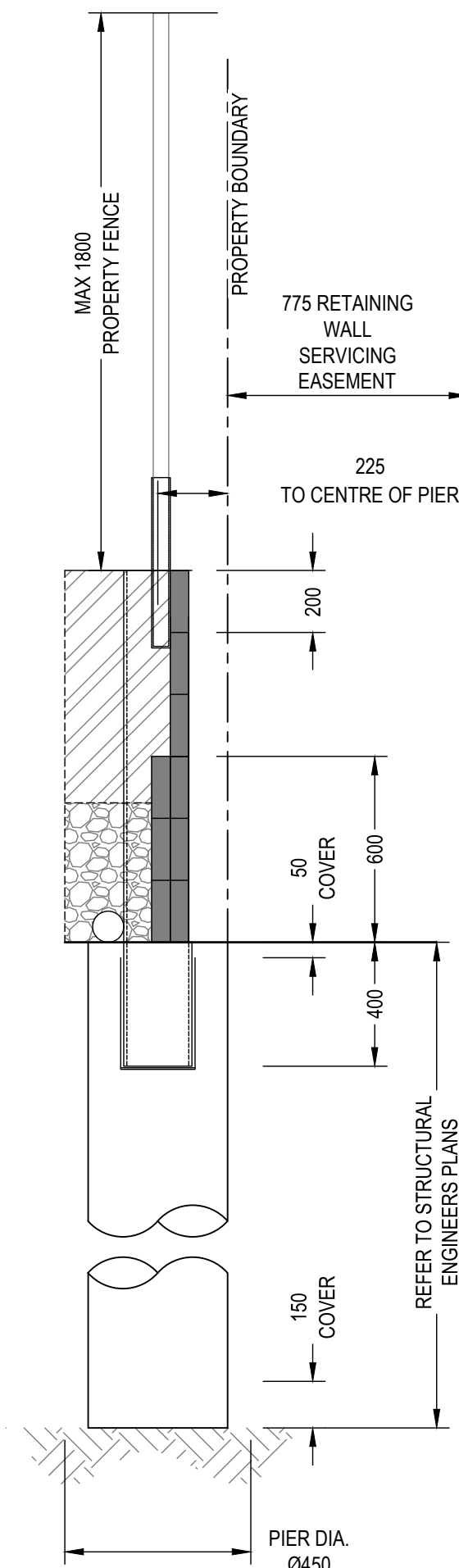


TYPICAL CONCRETE SLEEPER RETAINING WALL

MAX 0.9m HIGH

SCALE 1:20

*NOTE: INDICATIVE ONLY, SUBJECT TO STRUCTURAL DESIGN AT CC STAGE

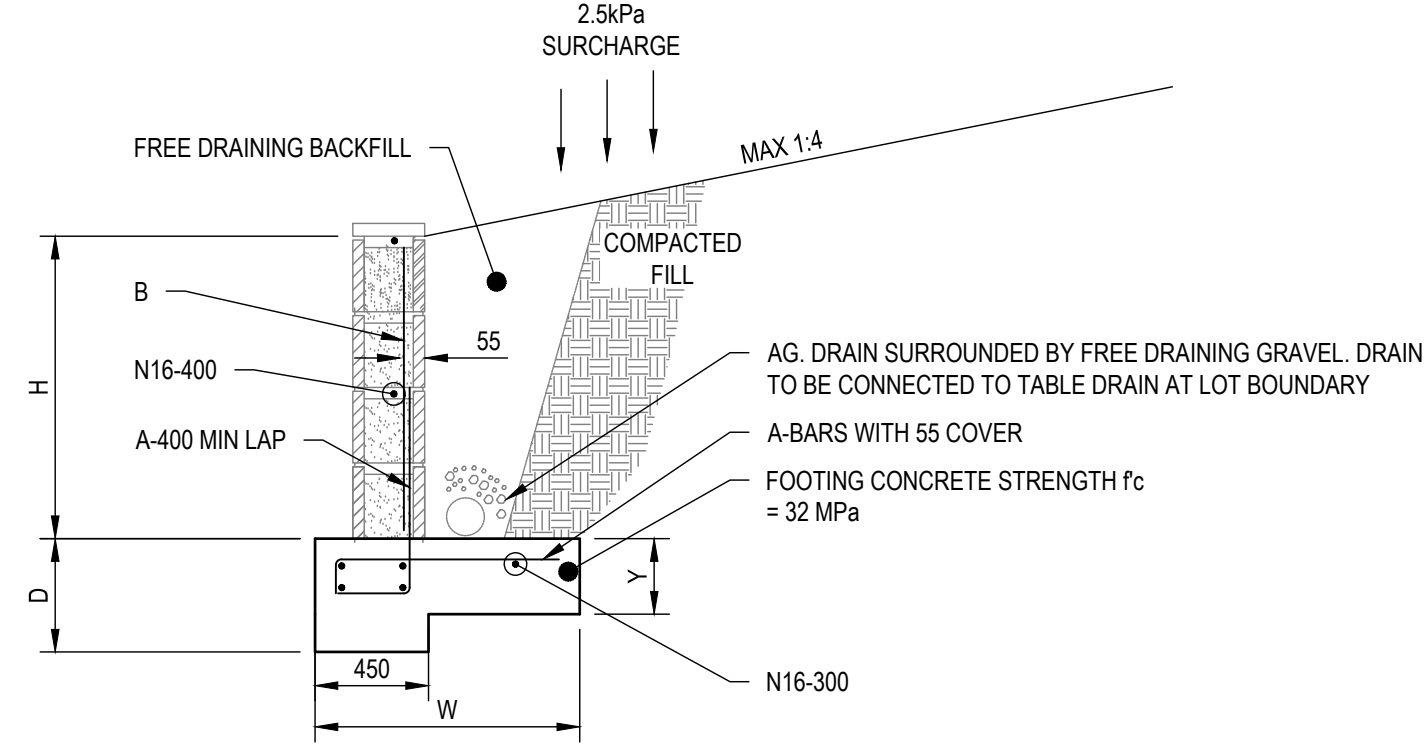


TYPICAL CONCRETE SLEEPER RETAINING WALL

MAX 2.0m HIGH

SCALE 1:20

*NOTE: INDICATIVE ONLY, SUBJECT TO STRUCTURAL DESIGN AT CC STAGE

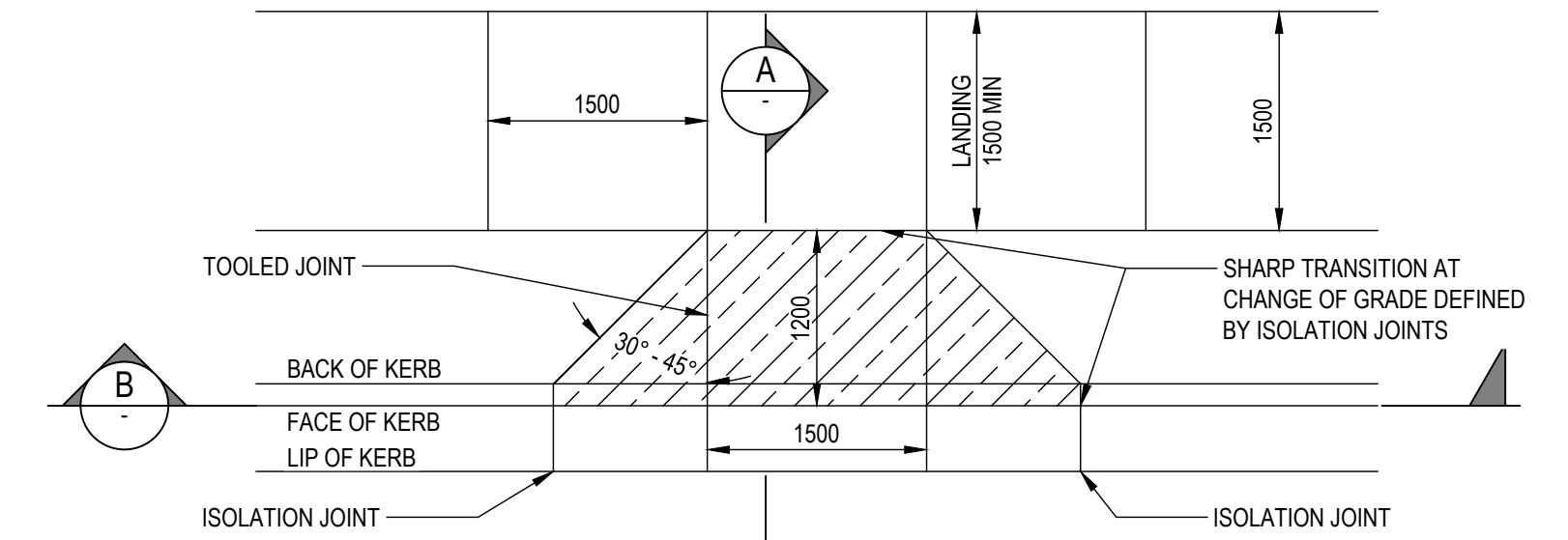


TYPICAL BLOCK RETAINING WALL

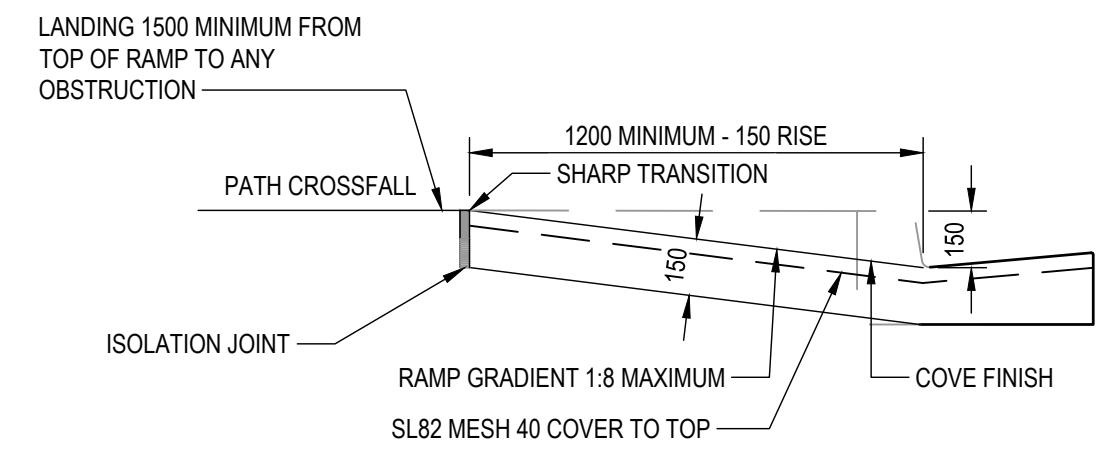
SCALE 1:20

SCHEDULE FOR RETAINING WALL						
HEIGHT	'X'	'Y'	'D'	'W'	A	B
UP TO 600	600-190 BLOCK	250	500	500	N12-400	N12-400
800	800-190 BLOCK	250	500	600	N16-400	N12-400
1000	800-190 BLOCK	250	500	800	N16-400	N12-400
1200	800-190 BLOCK	250	500	1000	N16-400	N12-400
1400	800-190 BLOCK	250	500	1200	N16-400	N16-400
1600	800-190 BLOCK	250	600	1400	N16-400	N16-400

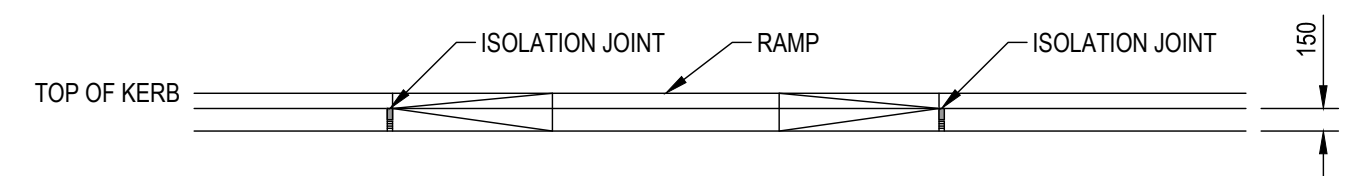
*NOTE: INDICATIVE ONLY, SUBJECT TO STRUCTURAL DESIGN AT CC STAGE



PLAN
SCALE 1:50



SECTION A
SCALE 1:20

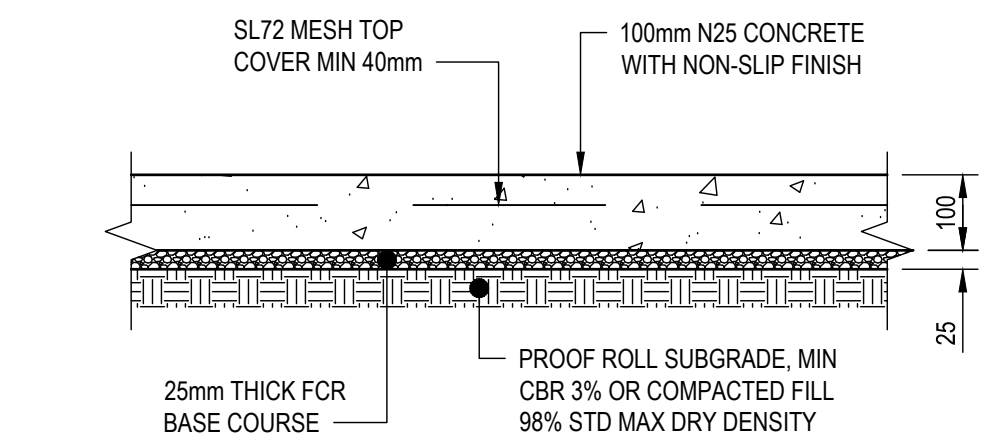


SECTION B
SCALE 1:50

GENERAL CONSTRUCTION NOTES

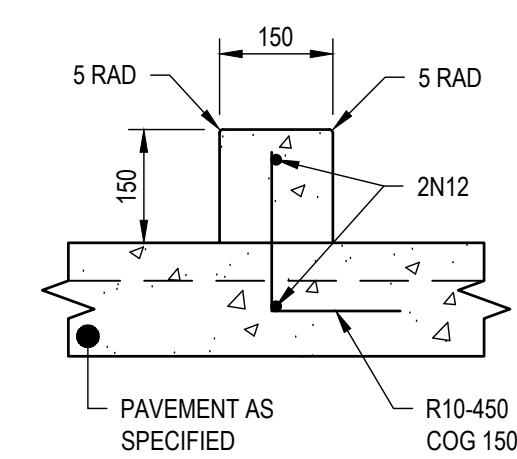
- ALL KERB RAMPS ARE TO BE CONSTRUCTED IN CONCRETE (MINIMUM 25 MPa) OF A CONTRASTING COLOUR TO ADJACENT PAVEMENT
 - THE RAMP SHALL BE COLOURED (SAHARA) YELLOW
 - THE GUTTER SECTION OF KERB RAMP IS TO REMAIN PLAIN CONCRETE AND IS NOT TO BE COLOURED UNDER ANY CIRCUMSTANCES
- ALL KERB RAMPS ARE TO BE ALIGNED WITH THE DIRECTION OF PEDESTRIAN TRAVEL. THE TOP OF RAMP SHALL BE CONSTRUCTED PARALLEL TO THE KERB LINE
- THE RAMP SHALL BE DEFINED BY SHARP TRANSITION JOINTS/CHANGES IN GRADE THAT WILL DIRECT PEDESTRIANS ALONG THE LINE OF THE CROSSING TOWARDS THE RAMP ON THE OPPOSITE KERB. THE CHANGE IN GRADE BETWEEN THE WINGS AND RAMP SHALL BE DEFINED BY A TOOLED JOINT ONLY.
- ISOLATION JOINTS TO BE PROVIDED WHERE ENDS OF KERB RAMP ABUTS KERB AND GUTTER OR FOOTPATH

STANDARD WOLLONGONG CITY COUNCIL
KERB RAMP DETAILS



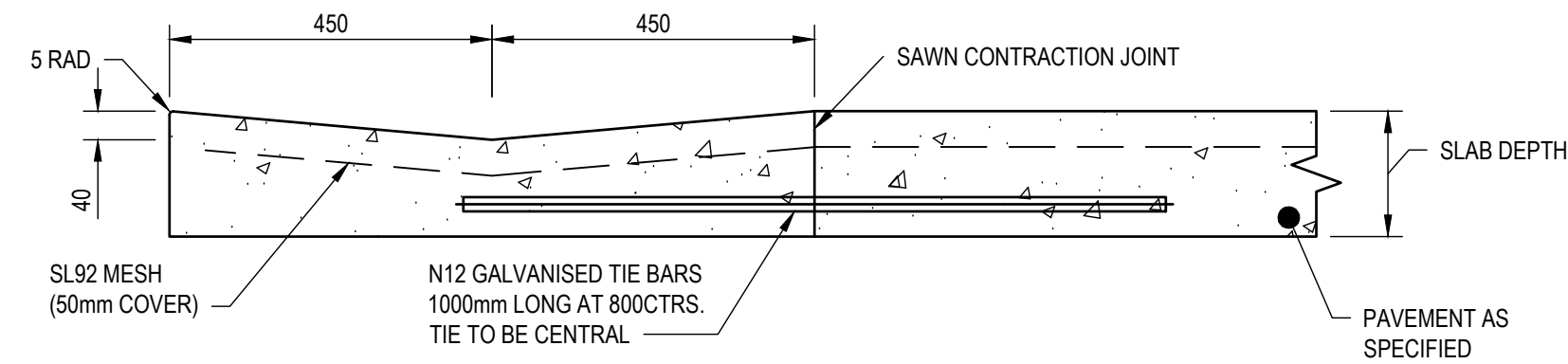
CONCRETE CYCLEWAY/SHARED PATH DETAIL

SCALE 1:10



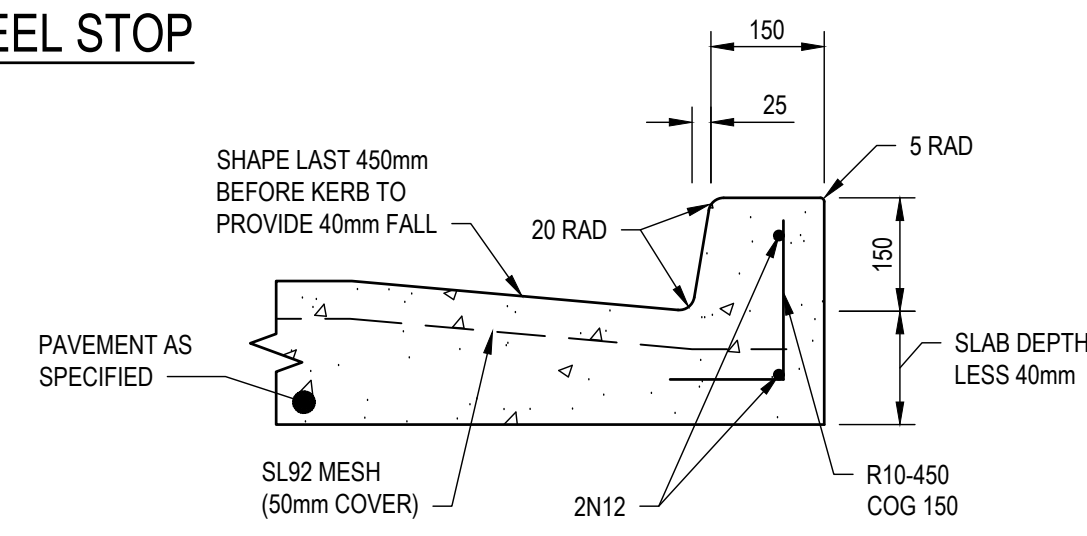
INTEGRAL WHEEL STOP

SCALE 1:10



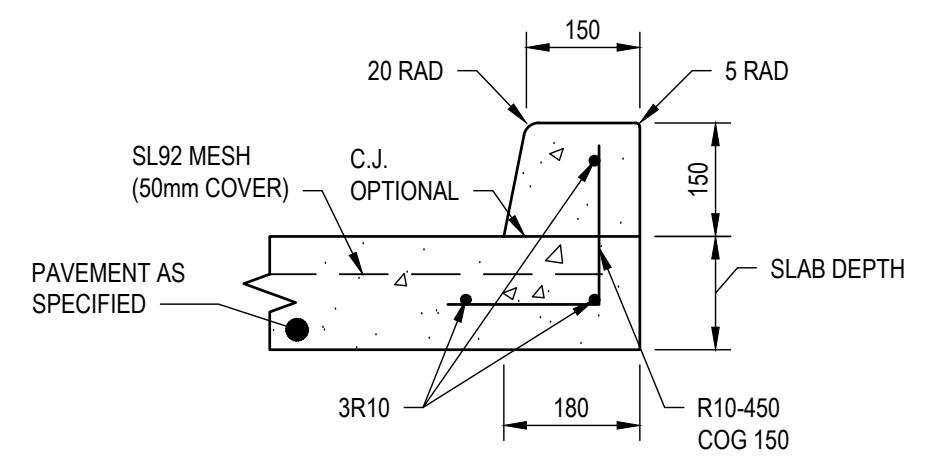
INTEGRAL DISH CROSSING

SCALE 1:10



INTEGRAL BARRIER
KERB & GUTTER (KG)

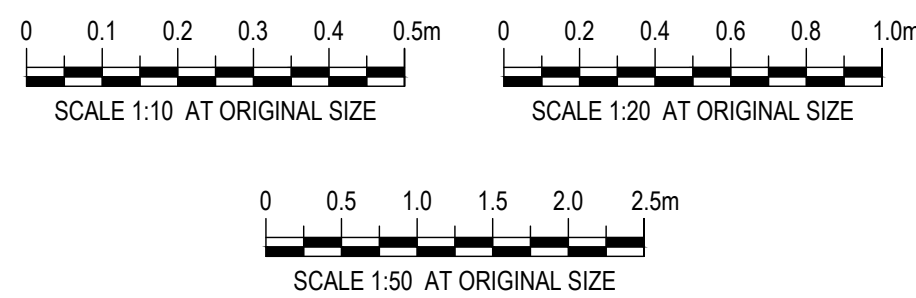
SCALE 1:10



INTEGRAL KERB

SCALE 1:10

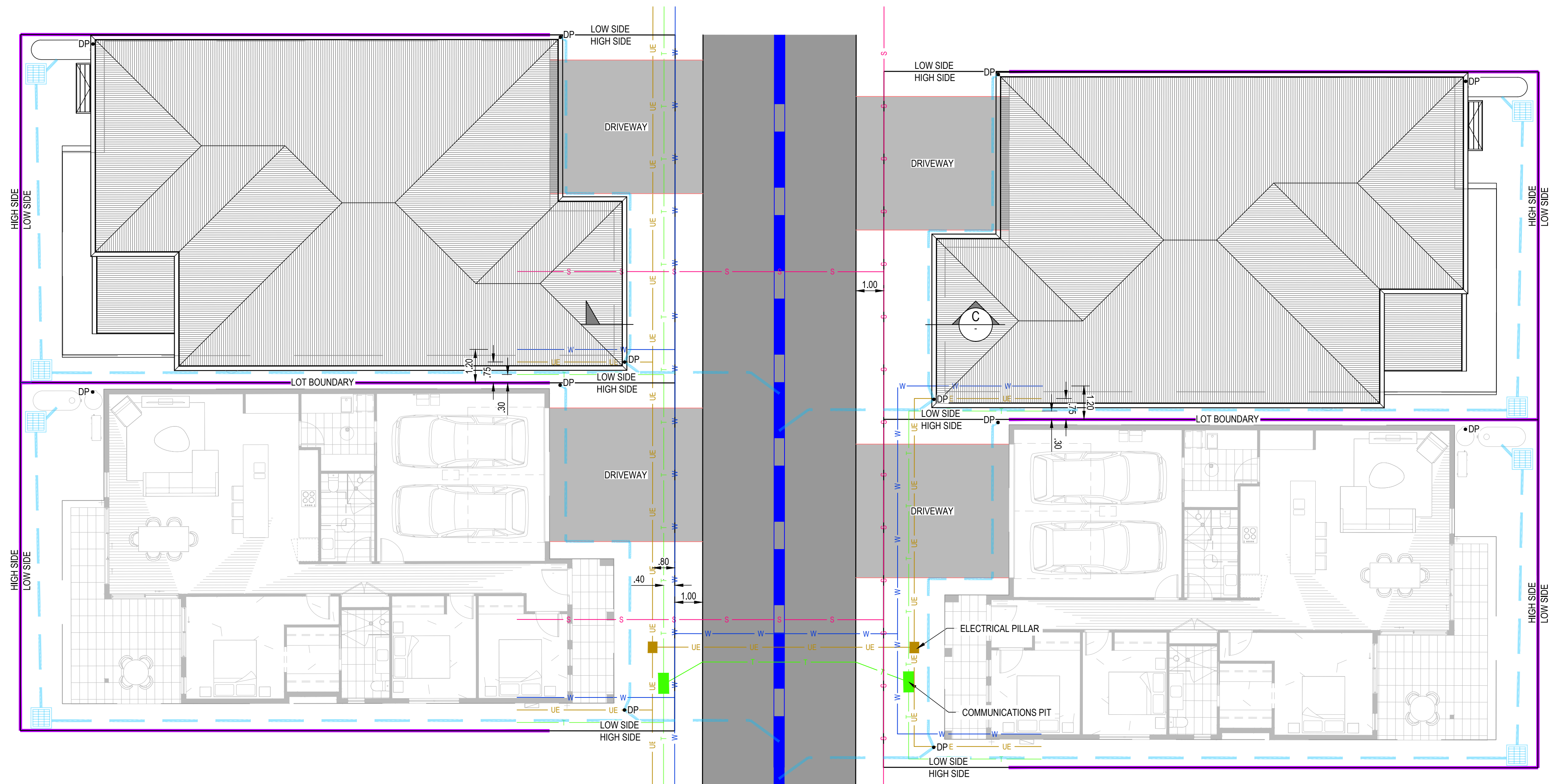
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2	03.09.24	RE-ISSUED FOR APPROVAL	JJP	KJM
1	20.10.23	ISSUED FOR DA	CB	KJM



DRAWN: C.BALDWIN	DESIGNED: P.MCCANN
DRAFT CHECK: S.MCINNIS	DESIGN CHECK: T.HOWE
APPROVED: K.MACDONALD	
NOT FOR CONSTRUCTION	

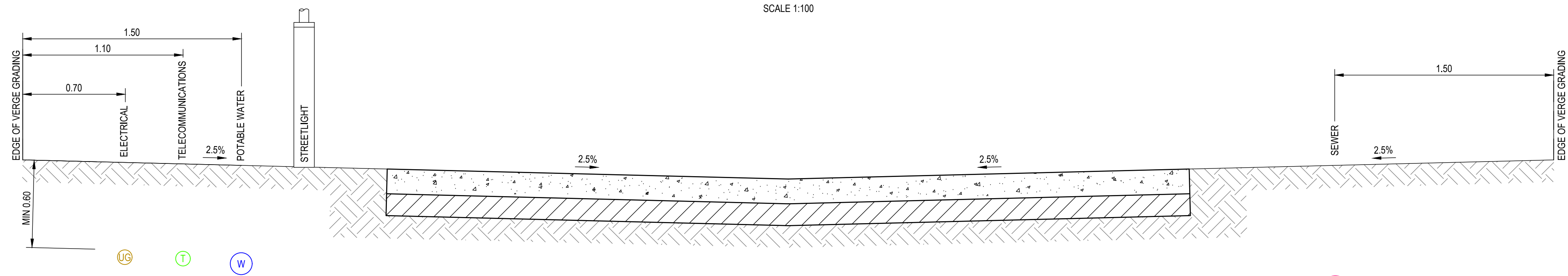
STOCKLAND FOREST REACH
HALCYON COMMUNITIES LLC PRECINCT
CIVIL DETAILS

DRAWING NUMBER	SHEET No.	ORIG. SIZE	REVISION
MKR00256-13-C0350	1 OF 3	A1	2



TYPICAL HOUSE SITING LAYOUT

SCALE 1:100



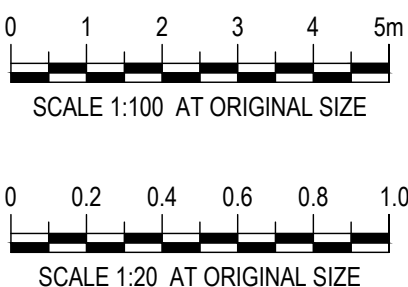
TYPICAL STORMWATER

SECTION C
SCALE 1:20

PROPOSED	LEGEND
W	POTABLE WATER
S	SEWER
UE	ELECTRICAL ALLOCATION AND PILLAR
T	COMMS ALLOCATION AND PIT
DP	STORMWATER PIPE AND PIT
	CONCRETE SLEEPER
	RETAINING WALL
	INDICATIVE DWELLING STORMWATER AND PIT
	INDICATIVE STORMWATER DOWNPIPE

Created: 3/9/2024 2:52 PM

REV	DATE	DESCRIPTION	APP BY	APP BY
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1	20.10.23	ISSUED FOR DA	CB	KJM

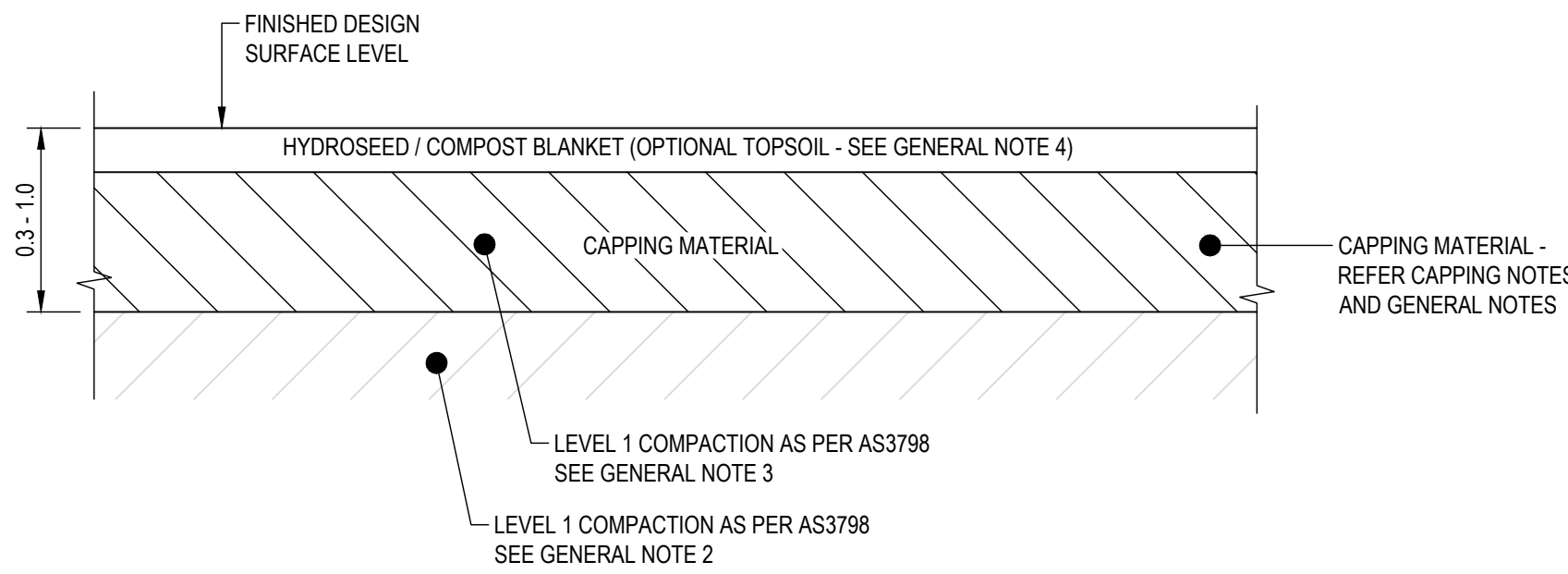


DRAWN: C.BALDWIN	DESIGNED: P.MCCANN
DRAFT CHECK: S.MCINNIS	DESIGN CHECK: T.HOWE
APPROVED:	K.MACDONALD

STOCKLAND FOREST REACH
HALCYON COMMUNITIES LLC PRECINCT
CIVIL DETAILS

NOT FOR CONSTRUCTION

DRAWING NUMBER	SHEET No.	ORIG. SIZE	REVISION
MKR00256-13-C0351	2 OF 3	A1	2

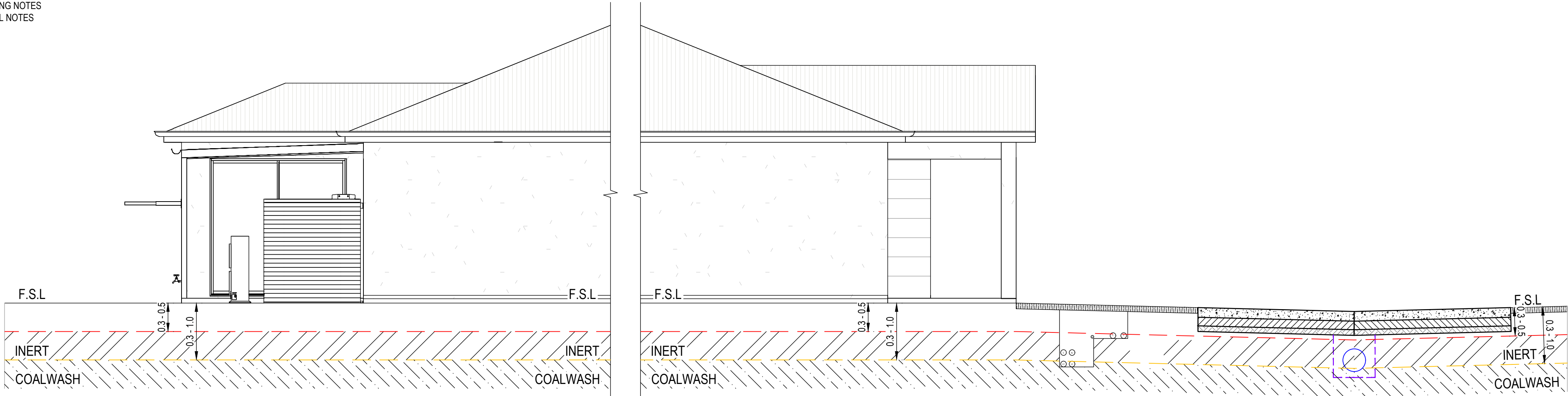


TYPICAL COAL WASH REJECTS FILL DETAIL FOR
RIPARIAN AREAS, PARKS, LOTS AND VERGE

- GENERAL NOTE
- NTS
1. ALL FILL IN RESIDENTIAL LOTS (AND IN ALL AREAS WHICH WILL SUPPORT FUTURE STRUCTURES) MUST BE PLACED UNDER LEVEL 1 GEOTECHNICAL CONTROL AS DEFINED IN AS 3798:2007 GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS AND AT THE TESTING FREQUENCIES AS DEFINED IN AS3798. THIS INCLUDES BACKFILL OF TEMPORARY BASINS WHICH ARE LOCATED WITHIN PROPOSED RESIDENTIAL ALLOTMENTS AND BACKFILL BENEATH FOOTPATHS AND VERGES. OTHER EARTHWORKS (SUCH AS FILL PLACED FOR PAVEMENT CONSTRUCTION) SHOULD BE TESTED IN ACCORDANCE WITH COUNCIL'S SUBDIVISION CODE AND MAY BE PLACED UNDER LEVEL 2 CONTROL, SUBJECT TO DEVELOPER APPROVAL.
 2. RESIDENTIAL LOT FILL WHICH CONTAINS COAL WASHERY REJECT (CWR) MUST BE PLACED TO AT LEAST 100% STANDARD MAXIMUM DRY DENSITY (SMDD). COMPACTION OF 'INERT' BULK FILL WHICH DOES NOT CONTAIN ANY CWR (I.E. NATURAL CLAYS AND WEATHERED ROCK WON FROM SITE) MAY BE TO A MINIMUM OF 98% SMDD.
 3. SERVICE TRENCH BACKFILL TO SERVICE PROVIDER SPECIFICATIONS. BACKFILL TO EXCLUDE CWR.
 4. AT COMPLETION OF BULK EARTHWORKS, PROVIDE TEMPORARY STABILISATION VIA HYDROSEED INCL. POLYMER OR COMPOST BLANKET TO PROMOTE ESTABLISHMENT OF SITE COVER. FOR AREAS OUTSIDE OF ROADS/PATHS, TOPSOIL TO BE SPREAD AS DIRECTED ONLY.

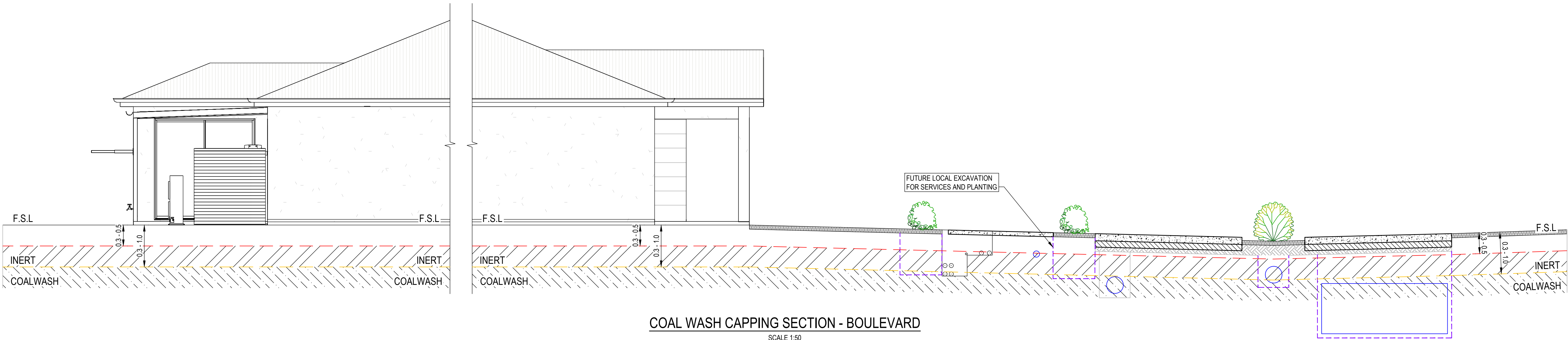
- GENERAL CAPPING NOTES
1. MINIMUM CAPPING IN ACCORDANCE WITH WCC DCP.
 2. CAPPING MATERIAL TO BE USED WHEN COAL WASH REJECTS ARE USED AS FILL.
 3. CAPPING MATERIAL MAY CONSIST OF:
 - 3.1. TOPSOIL (WHEN NOT UNDER ROADS)
 - 3.2. SITE WON INERT MATERIAL (VENM OR ENM)
 - 3.3. IMPORTED INERT MATERIAL (VENM OR ENM)

- RIPARIAN AREAS/PARKS/LOTS/VERGE
1. MINIMUM 750mm CAPPING OR INERT MATERIAL. NO MAXIMUM THICKENSS REQUIREMENTS FOR TOPSOIL OR INERT MATERIAL.
 2. PROVIDE ADDITIONAL CAPPING TO PROMOTE ESTABLISHMENT AND GROWTH OF LANDSCAPING INCLUDING STREET TREE AS DIRECTED BY LANDSCAPE ARCHITECT.



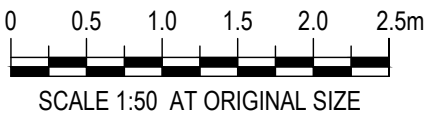
COAL WASH CAPPING SECTION - ACCESS STREET

SCALE 1:50



COAL WASH CAPPING SECTION - BOULEVARD

SCALE 1:50



DRAWN:
C.BALDWIN
DESIGNED:
P.MCCANN
DRAFT CHECK:
S.MCINNES
DESIGN CHECK:
T.HOWE
APPROVED:
K.MACDONALD

STOCKLAND FOREST REACH
HALCYON COMMUNITIES LLC PRECINCT
CIVIL DETAILS

NOT FOR CONSTRUCTION

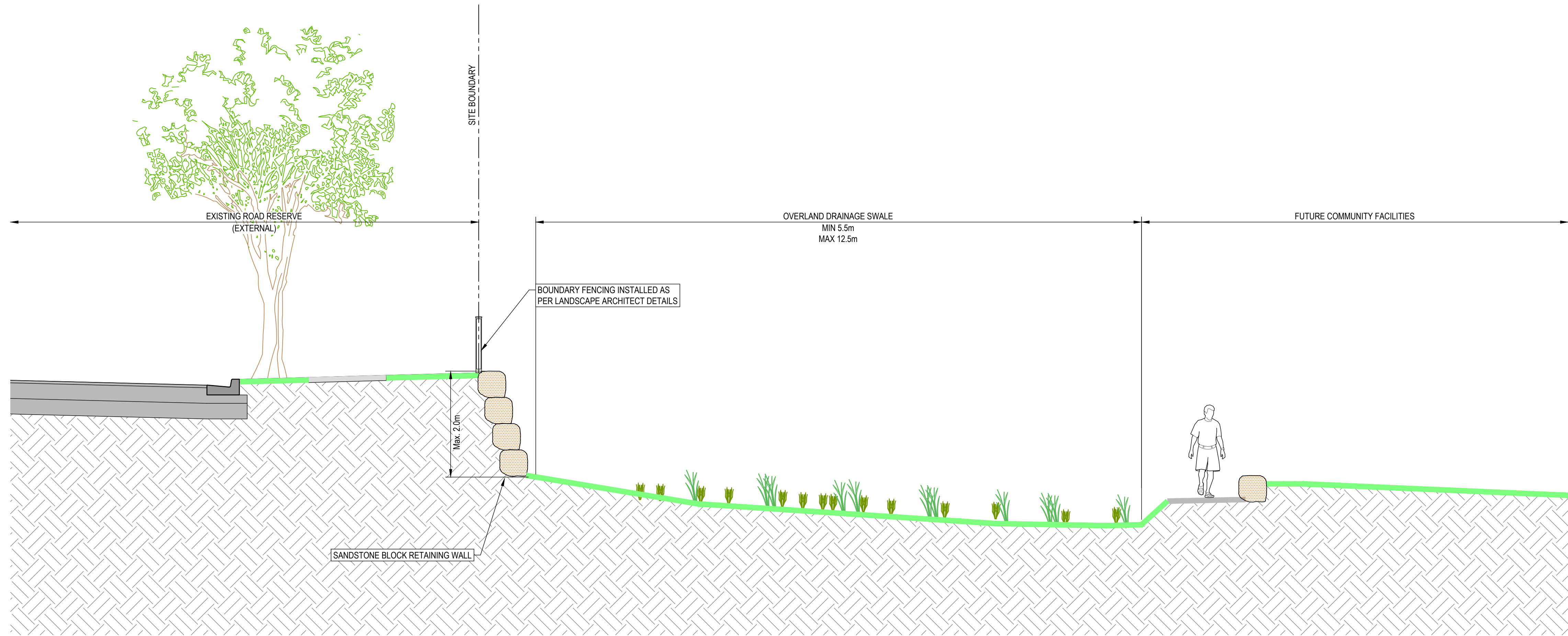
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MKR00256-13-C0352

SHEET No.
3 OF 3

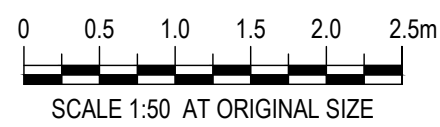
ORIG. SIZE
A1

REVISION
2

REV	DATE	DESCRIPTION	AMD BY	APP BY
2	03.09.24	RE-ISSUED FOR APPROVAL	JJP	KJM
1	20.10.23	ISSUED FOR DA	CB	KJM



OVERLAND FLOW SWALE TYPICAL SECTION 01
SCALE 1:50 C0100



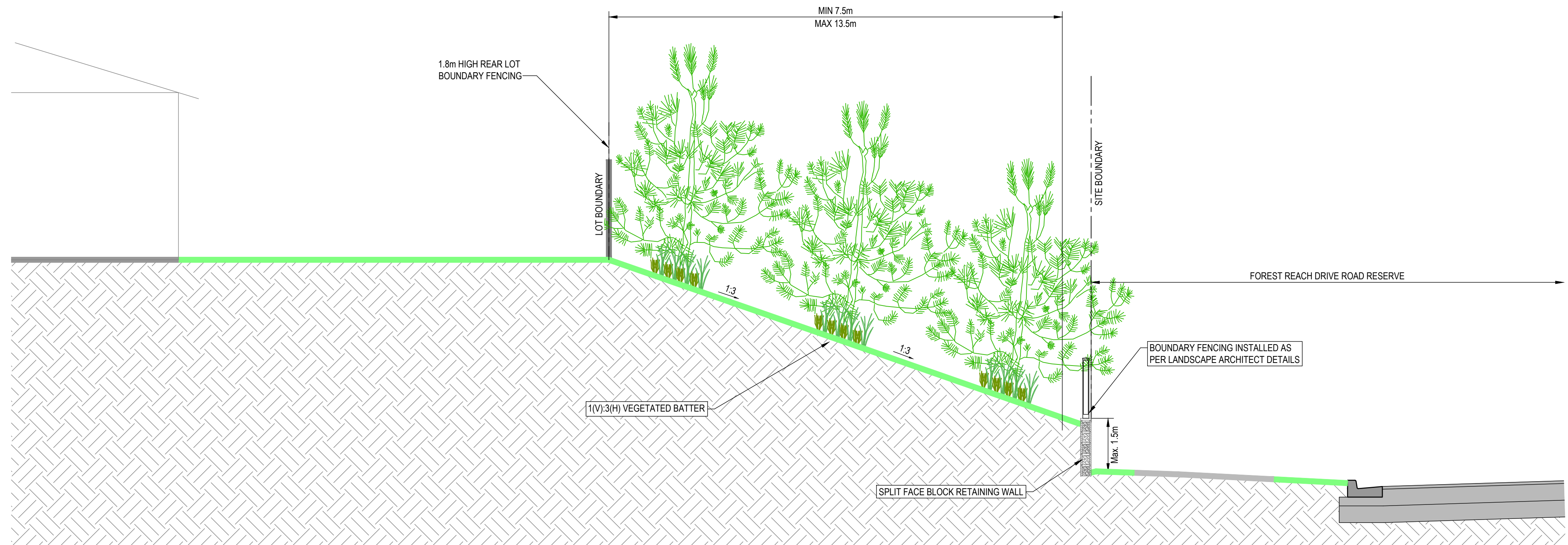
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DRAFT CHECK: S.MCINNES	DESIGN CHECK: T.HOWE
APPROVED: K.MACDONALD	

STOCKLAND FOREST REACH
HALCYON COMMUNITIES LLC PRECINCT
CIVIL DETAILS
TYPICAL SECTIONS

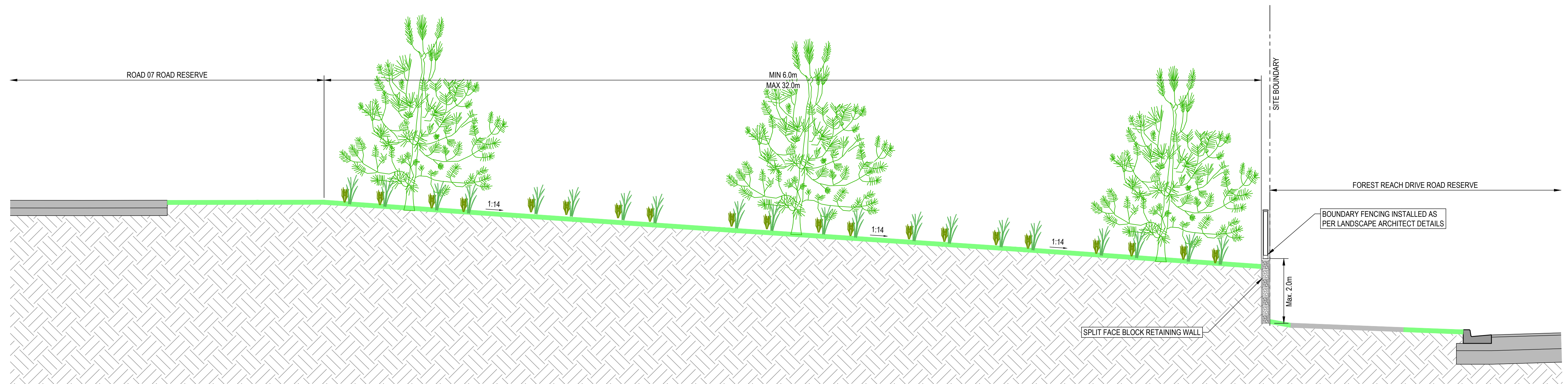
NOT FOR CONSTRUCTION

DRAWING NUMBER MKR00256-13-C0353	SHEET No. 1 OF 4	ORIG. SIZE A1	REVISION 2
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1	20.10.23	ISSUED FOR DA	CB	KJM
REV	DATE	DESCRIPTION	AMD BY	APP BY



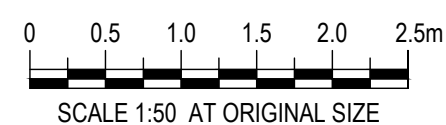
REAR LOT GRADING TYPICAL SECTION 02
SCALE 1:50 C0101



FOREST REACH DRIVE BOUNDARY TYPICAL SECTION 03
SCALE 1:50 C0101

Control: Baldwin, 3/9/2024, 2:52 PM

REV	DATE	DESCRIPTION	AMD BY	APP BY
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1	20.10.23	ISSUED FOR DA	CB	KJM



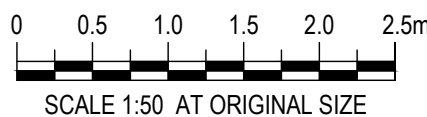
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DRAFT CHECK: S.MCINNES	DESIGN CHECK: T.HOWE
APPROVED: K.MACDONALD	
NOT FOR CONSTRUCTION	

STOCKLAND FOREST REACH
HALCYON COMMUNITIES LLC PRECINCT
CIVIL DETAILS
TYPICAL SECTIONS

DRAWING NUMBER	SHEET No.	ORIG. SIZE	REVISION
MKR00256-13-C0354	2 OF 4	A1	2

Corner Baldwin, 3/9/2024, 2:52 PM

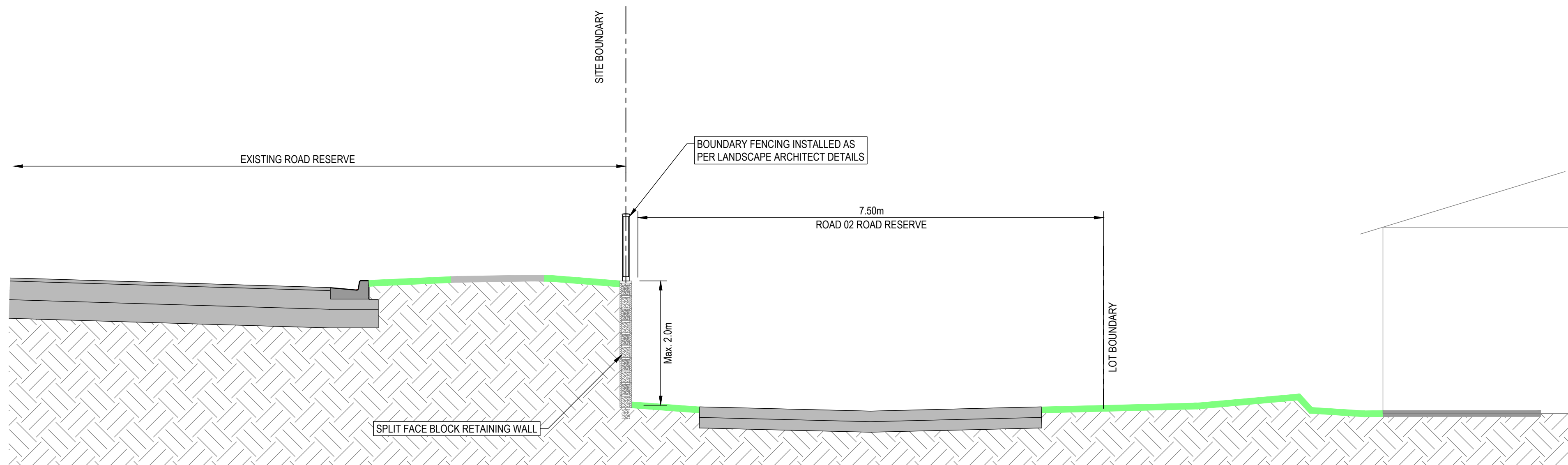
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1	20.10.23	ISSUED FOR DA	CB	KJM	
REV	DATE	DESCRIPTION	AMD BY	APP BY	



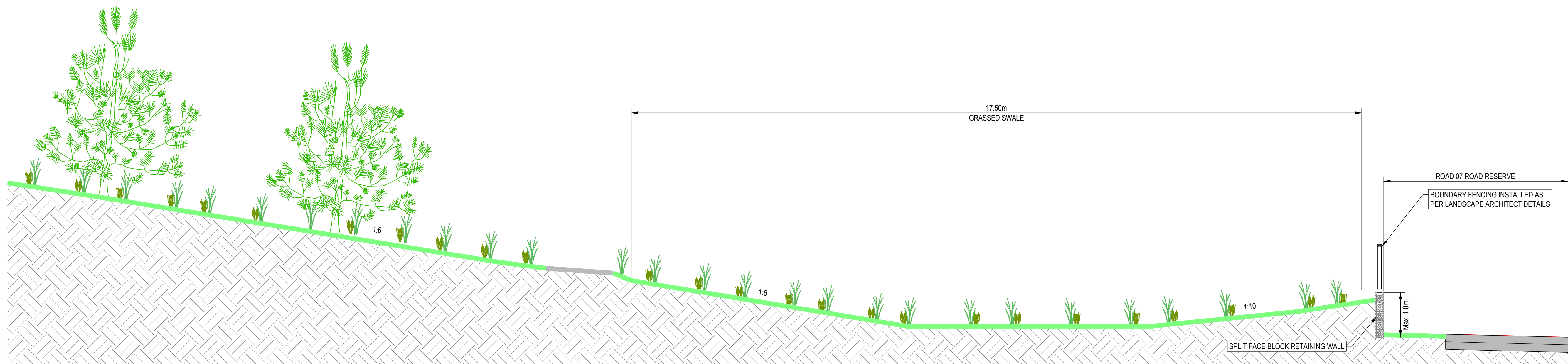
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DRAFT CHECK: S.MCINNES	DESIGN CHECK: T.HOWE
APPROVED: K.MACDONALD	
NOT FOR CONSTRUCTION	

STOCKLAND FOREST REACH
HALCYON COMMUNITIES LLC PRECINCT
CIVIL DETAILS
TYPICAL SECTIONS

DRAWING NUMBER MKR00256-13-C0355	SHEET No. 3 OF 4	ORIG. SIZE A1	REVISION 2
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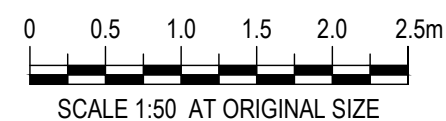
WESTERN BOUNDARY INTERFACE TYPICAL SECTION 04
SCALE 1:50 C0102



GRASSED SWALE RETAINING WALL TYPICAL SECTION 05
SCALE 1:50 C0103

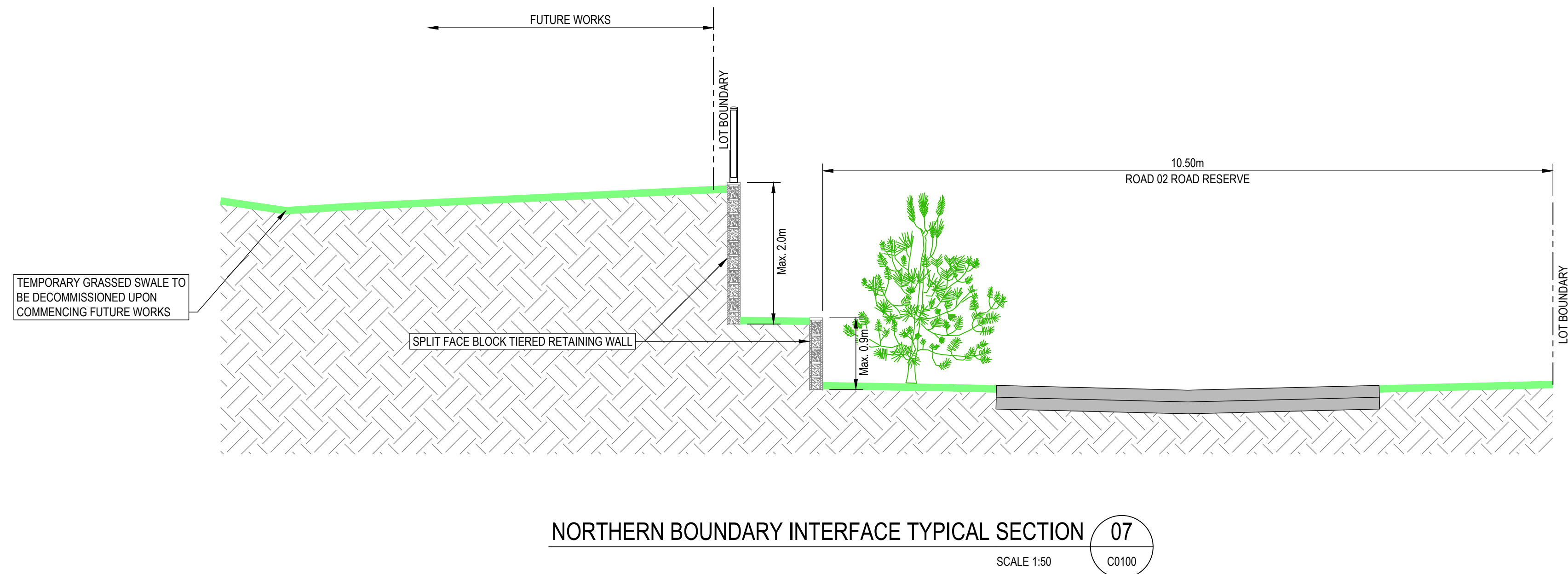
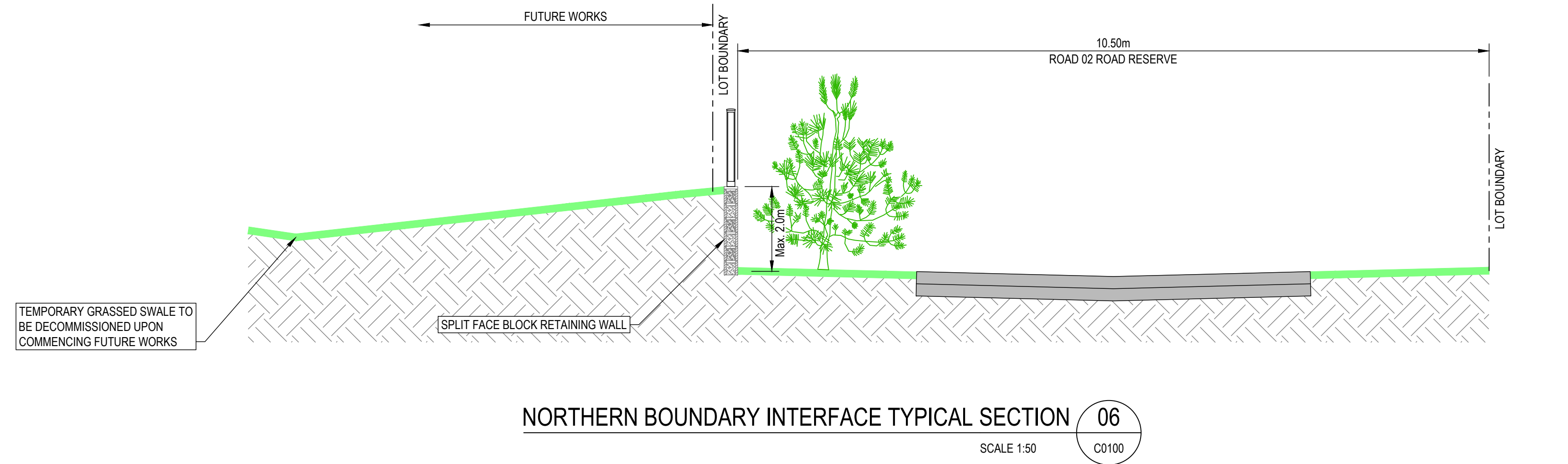
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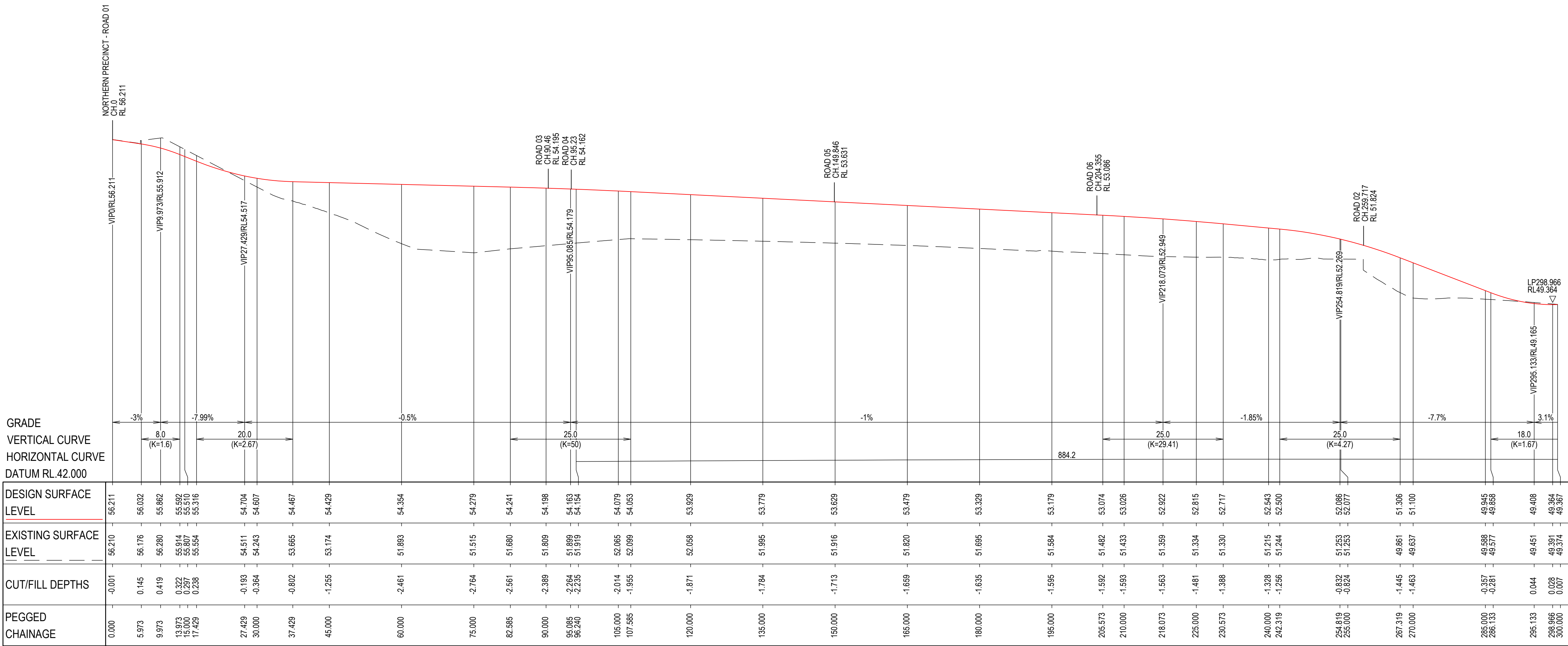
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1	20.10.23	ISSUED FOR DA	CB	KJM	
REV	DATE	DESCRIPTION	AMD BY	APP BY	



DRAWN: C.BALDWIN	DESIGNED: P.MCCANN
DRAFT CHECK: S.MCINNES	DESIGN CHECK: T.HOWE
APPROVED: K.MACDONALD	
NOT FOR CONSTRUCTION	

STOCKLAND FOREST REACH HALCYON COMMUNITIES LLC PRECINCT CIVIL DETAILS TYPICAL SECTIONS			
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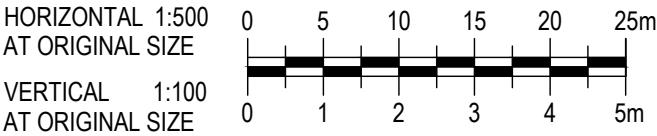




REFER PLAN C0501 FOR CONTINUATION

LONGITUDINAL SECTION - ROAD 01

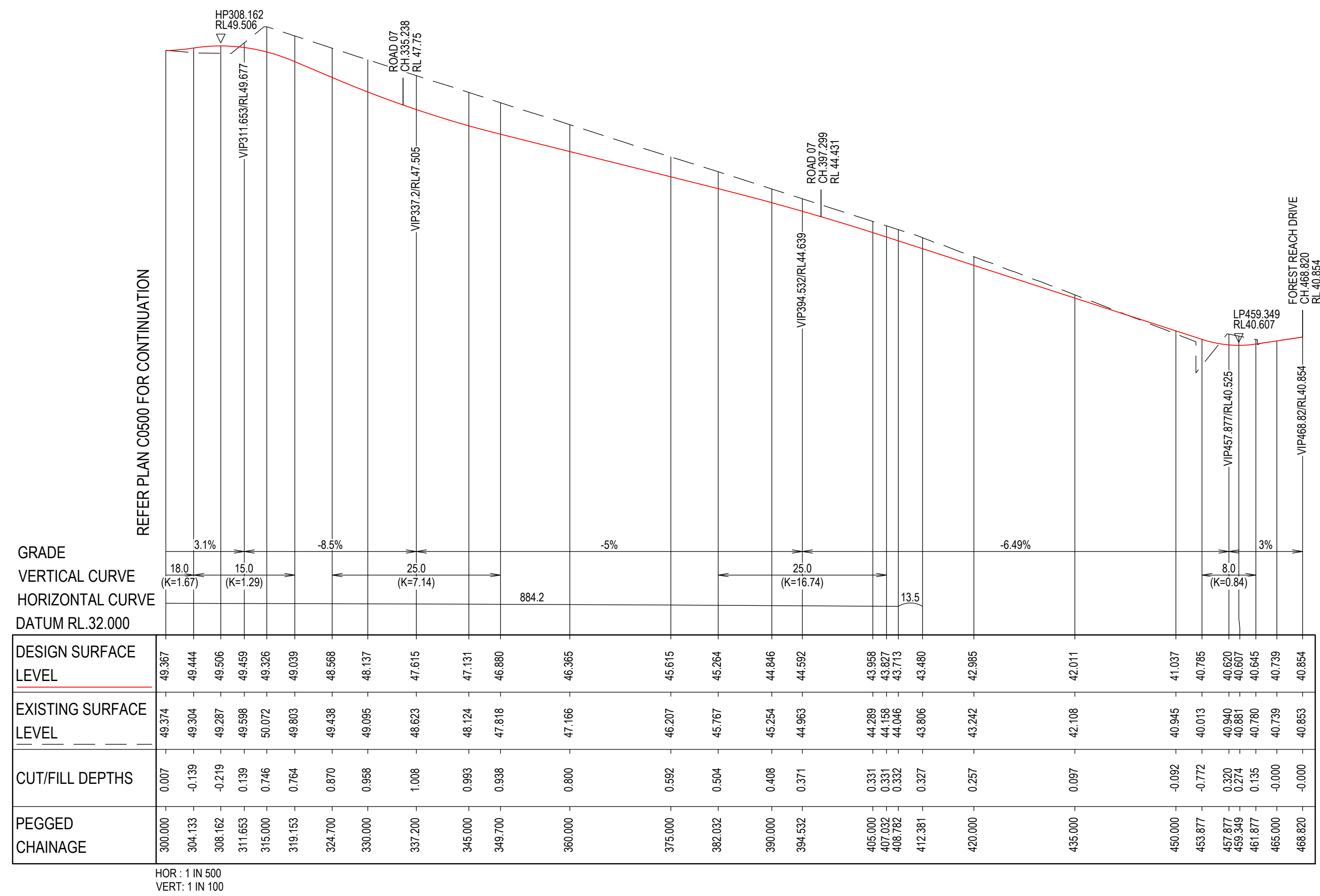
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1	20.10.23	ISSUED FOR DA	CB	KJM



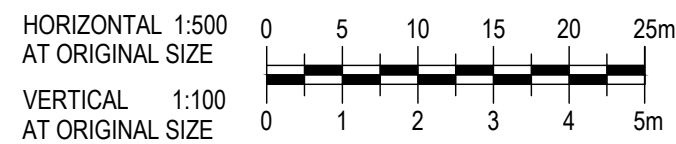
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DRAFT CHECK: S.MCINNIS	DESIGN CHECK: T.HOWE
APPROVED:	K.MACDONALD
NOT FOR CONSTRUCTION	

STOCKLAND FOREST REACH
HALCYON COMMUNITIES LLC PRECINCT
LONGITUDINAL SECTIONS
ROAD 01

DRAWING NUMBER	SHEET No.	ORIG. SIZE	REVISION
MKR00256-13-C0500	1 OF 2	A1	2



2	03.09.24	RE-ISSUED FOR APPROVAL		JJP	KJM
1	20.10.23	ISSUED FOR DA		CB	KJM
REV	DATE	DESCRIPTION	AMD BY APP BY		



DRAWN: C.BALDWIN	DESIGNED: P.MCCANN	STOCKLAND FOREST REACH HALCYON COMMUNITIES LLC PRECINCT LONGITUDINAL SECTIONS ROAD 01			
DRAFT CHECK: S.MCINNES	DESIGN CHECK: T.HOWE				
APPROVED:	K.MACDONALD				
NOT FOR CONSTRUCTION		DRAWING NUMBER	SHEET No	ORIG. SIZE	REVISION
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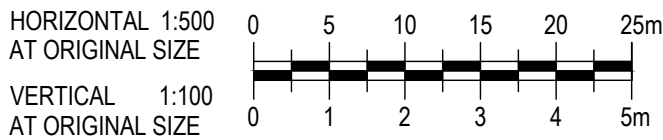
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VERTICAL CURVE
HORIZONTAL CURVE
DATUM RL.49.000

DESIGN SURFACE LEVEL	56.050 56.104 56.164 56.195 56.229 56.304 56.368 56.379 56.398 56.506 56.530 56.556 56.906 56.948 57.484 57.522 57.888 57.919 57.966 58.023 58.053 58.112 58.132 58.274 58.283 58.462 58.532 58.774 58.949 59.110 59.335 59.435 59.438 59.432 59.220 59.210 58.845 58.691 58.498 58.435 58.301 58.292 58.197 57.980 57.907 57.689 57.504 57.254
EXISTING SURFACE LEVEL	58.406 58.469 58.501 58.500 58.482 58.065 57.154 57.006 56.768 56.537 56.560 56.573 56.934 56.983 57.708 57.772 58.477 58.534 58.640 58.791 59.136 59.268 59.365 59.900 59.916 60.200 60.292 60.468 60.515 60.502 60.342 59.955 59.865 59.724 59.940 59.926 58.443 58.288 58.114 58.064 57.785 57.754 57.541 57.769 57.807 58.323 58.782 58.584
CUT/FILL DEPTHS	2.446 2.395 2.337 2.305 2.263 1.762 0.786 0.628 0.371 0.031 0.030 0.016 0.028 0.035 0.224 0.250 0.589 0.615 0.674 0.768 1.042 1.156 1.233 1.626 1.635 1.738 1.760 1.684 1.566 1.392 1.007 0.519 0.427 0.282 -0.280 -0.284 -0.402 -0.403 -0.384 -0.371 -0.516 -0.538 -0.656 -0.712 -0.100 0.634 1.278 1.321
PEGGED CHAINAGE	0+00 2+80 5+180 8+180 15+000 30+000 42+828 45+000 48+812 58+633 60+000 61+312 73+812 75+000 90+000 91+084 103+584 105+000 107+304 110+599 116+084 118+024 120+000 134+175 135+000 146+675 150+000 159+175 165+000 170+389 180+000 190+389 192+207 195+000 210+000 210+389 225+000 231+183 240+000 243+683 255+000 256+183 270+000 282+541 285+000 290+944 295+041 300+000

HOR : 1 IN 500
VERT: 1 IN 100

LONGITUDINAL SECTION - ROAD 02

REFER PLAN C0503 FOR CONTINUATION



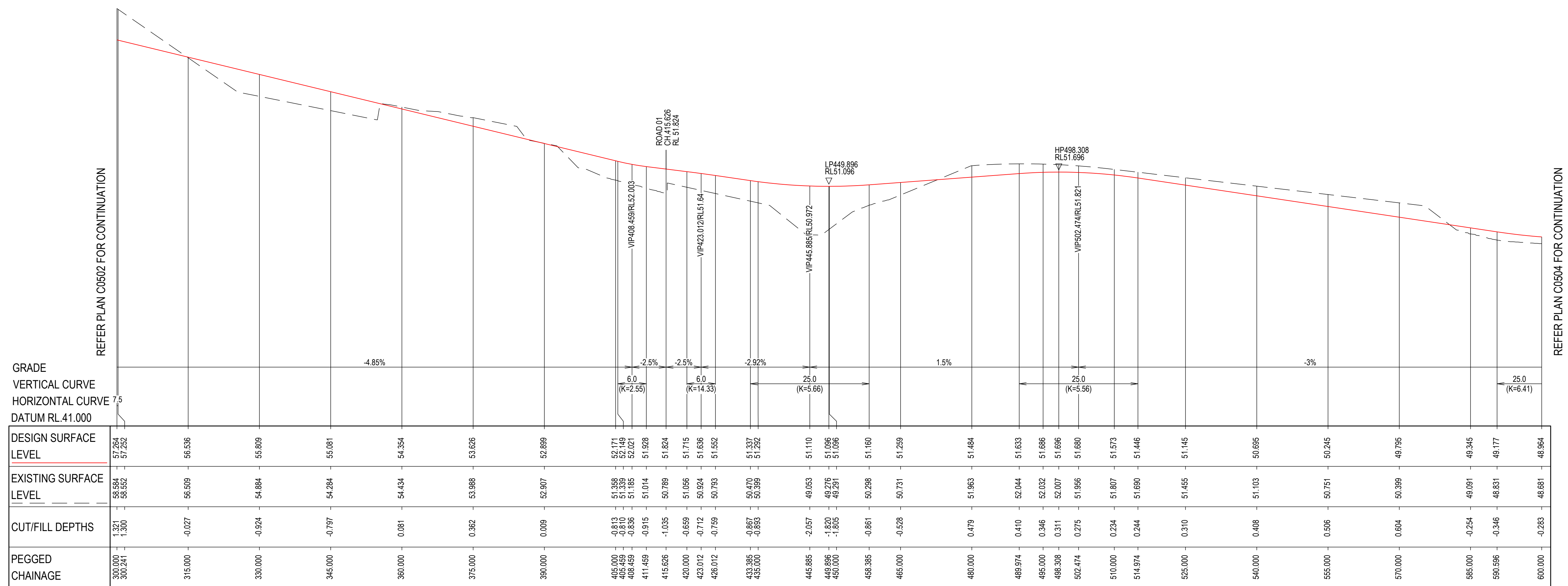
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DRAFT CHECK: S.MCINNES	DESIGN CHECK: T.HOWE
APPROVED: K.MACDONALD	

STOCKLAND FOREST REACH
HALCYON COMMUNITIES LLC PRECINCT
LONGITUDINAL SECTIONS
ROAD 02

NOT FOR CONSTRUCTION

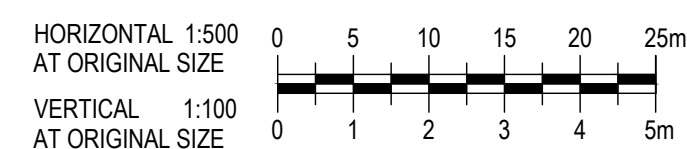
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MKR00256-13-C0502	1 OF 4	A1	2

REV	DATE	DESCRIPTION	AMD BY	APP BY
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1	20.10.23	ISSUED FOR DA	CB	KJM

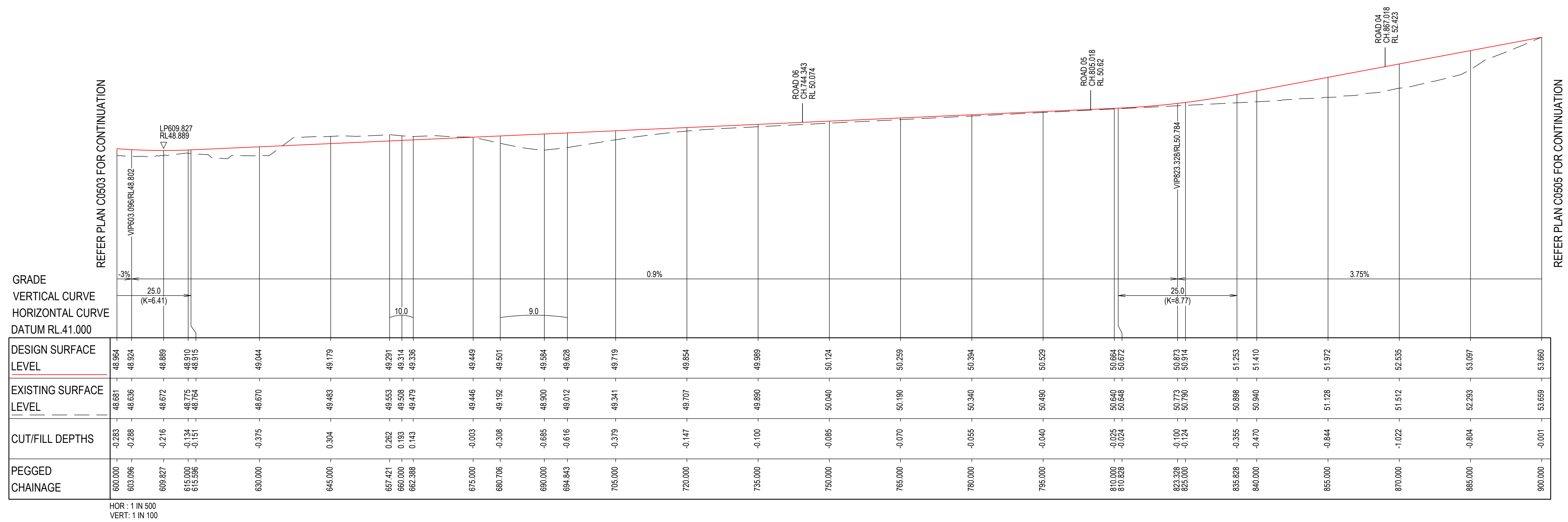


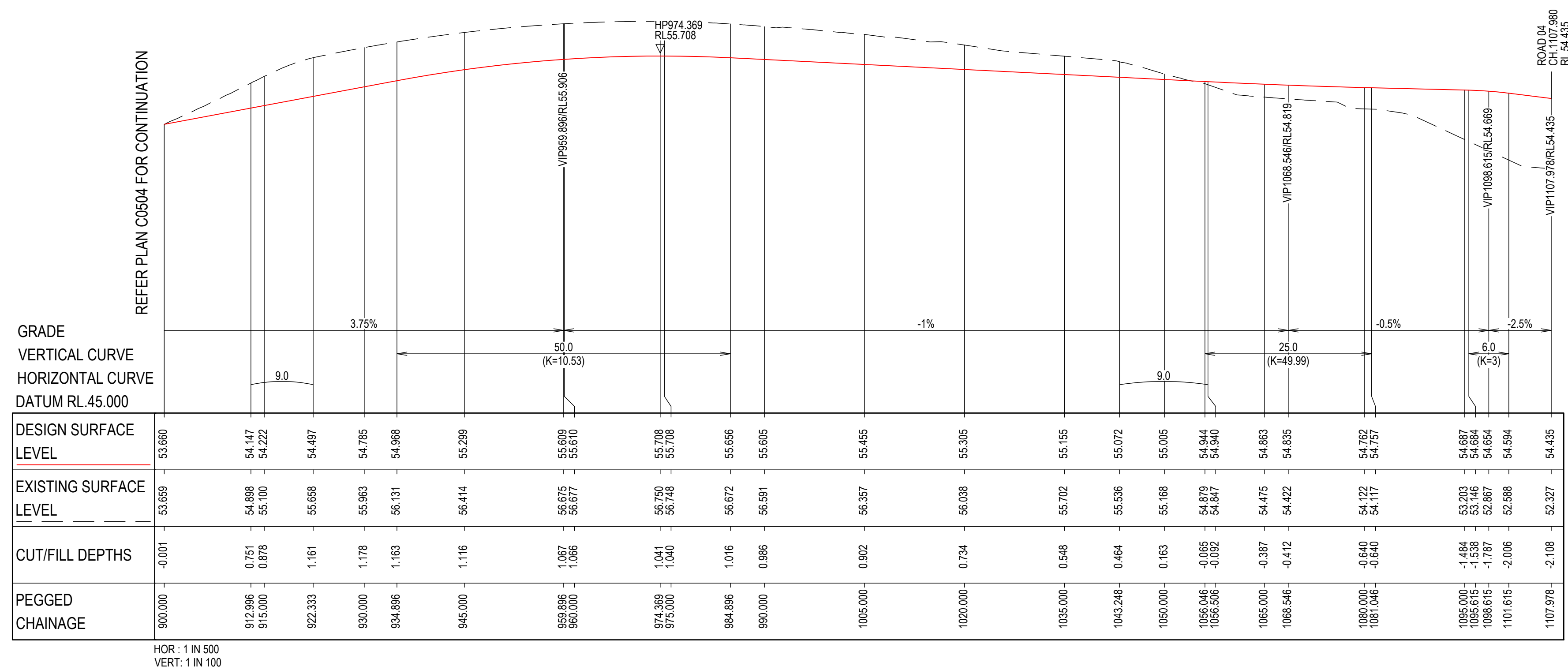
LONGITUDINAL SECTION - ROAD 02

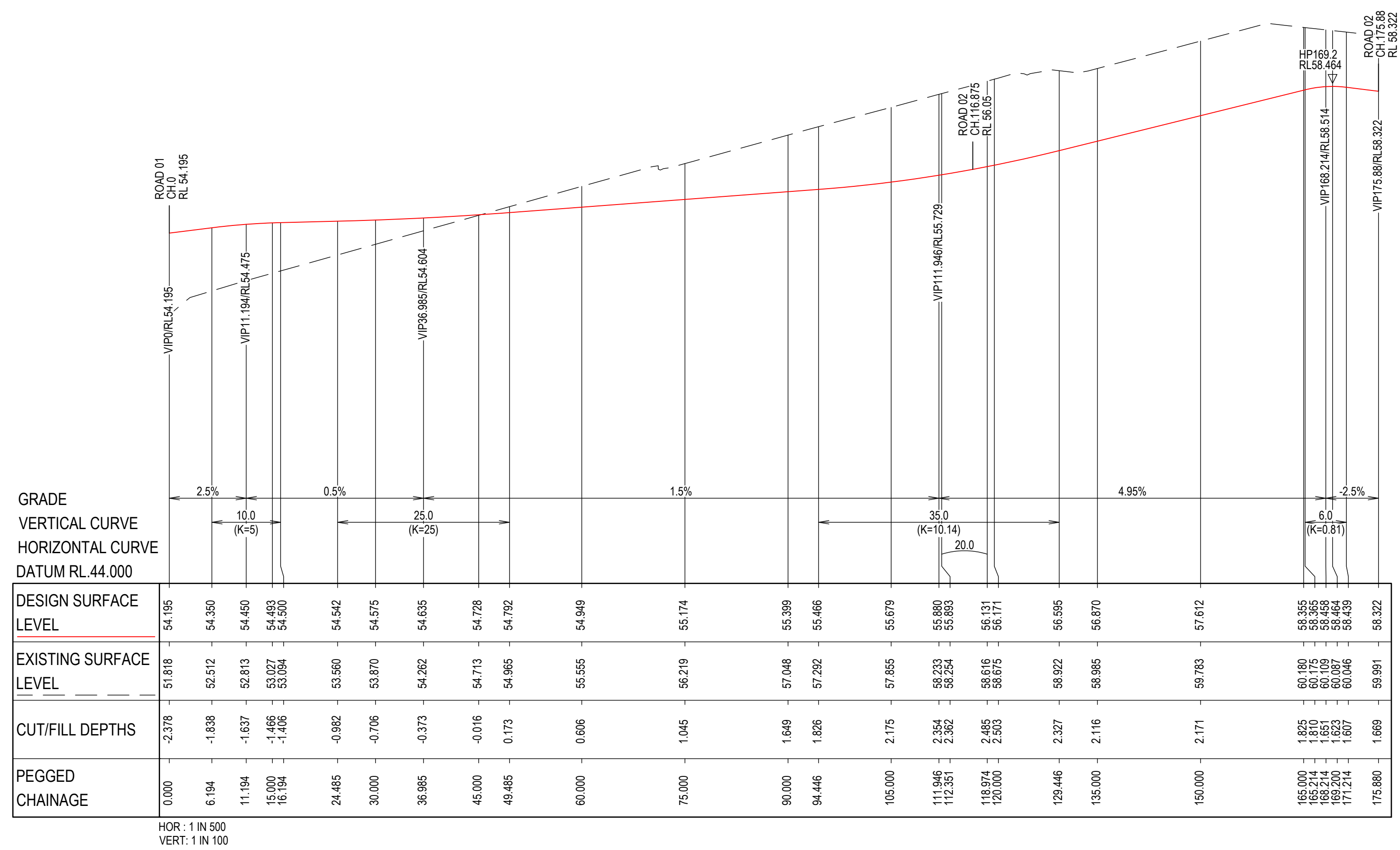
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1	20.10.23	ISSUED FOR DA	CB	KJM	
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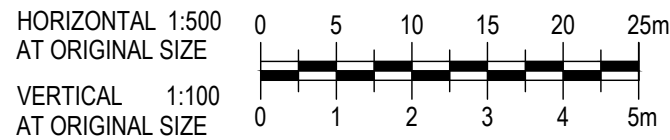
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APPROVED:		K.MACDONALD									
NOT FOR CONSTRUCTION				DRAWING NUMBER MKR00256-13-C0503		SHEET No. 2 OF 4		ORIG. SIZE A1		REVISION 2	

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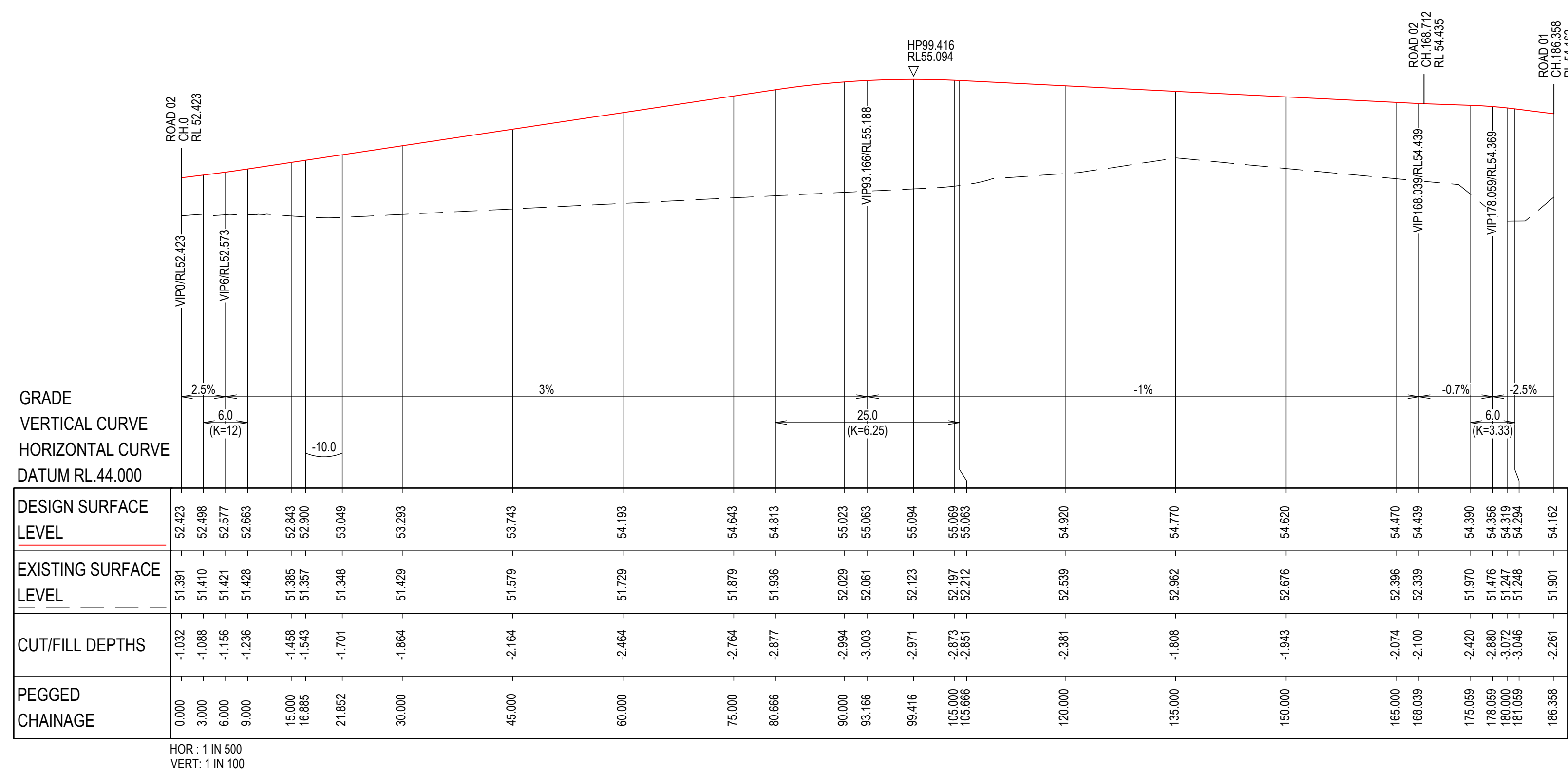
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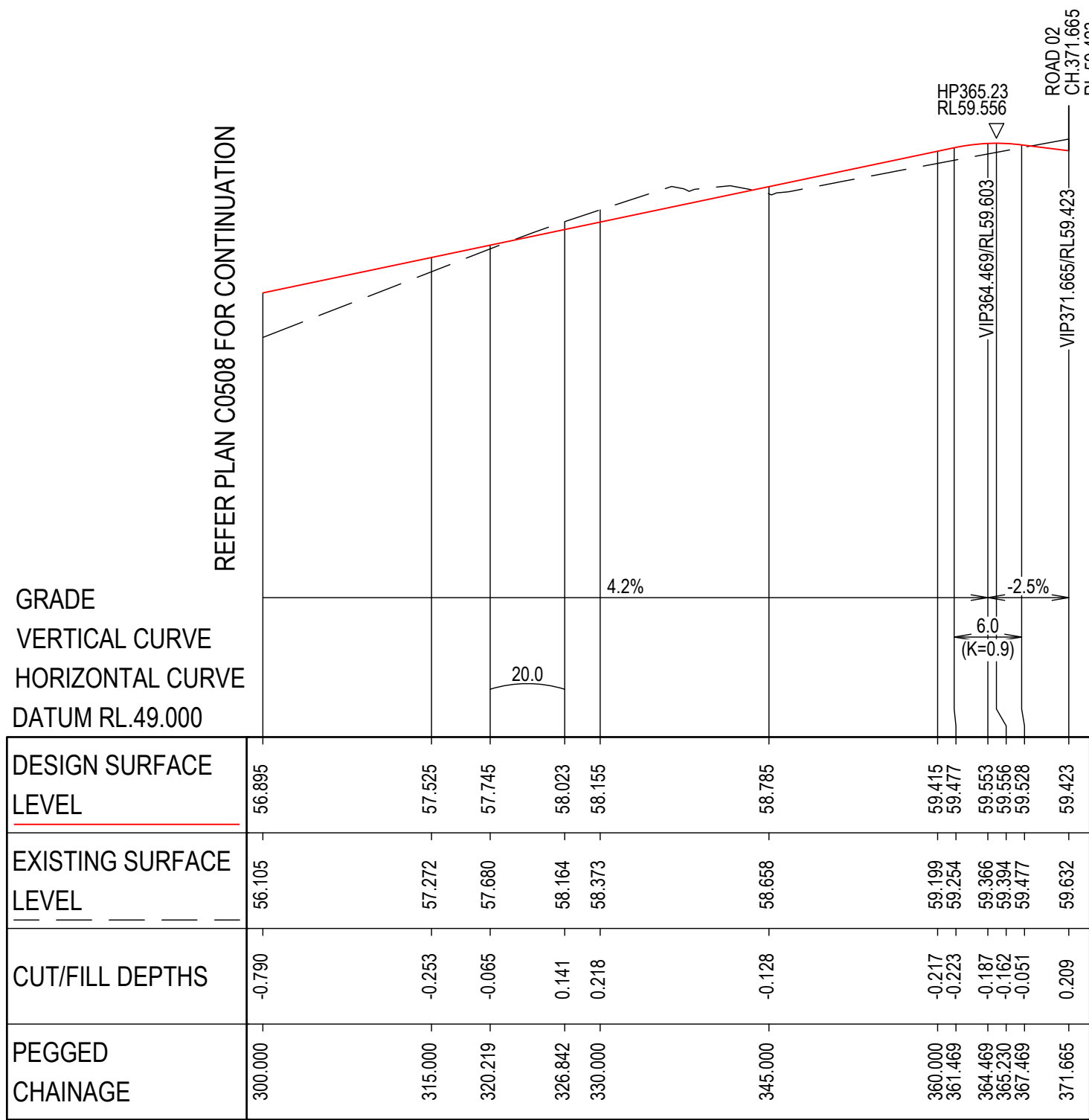


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1	20.10.23	ISSUED FOR DA	CB	KJM	
REV	DATE	DESCRIPTION	AMD BY	APP BY	



DRAWN: C.BALDWIN	DESIGNED: P.MCCANN	STOCKLAND FOREST REACH HALCYON COMMUNITIES LLC PRECINCT LONGITUDINAL SECTIONS ROAD 03			
DRAFT CHECK: S.MCINNES	DESIGN CHECK: T.HOWE				
APPROVED:	K.MACDONALD				
NOT FOR CONSTRUCTION		DRAWING NUMBER MKR00256-13-C0506	SHEET No.	ORIG. SIZE A1	REVISION 2

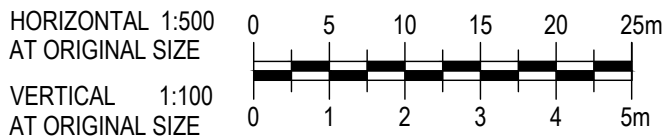
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LONGITUDINAL SECTION - ROAD 05

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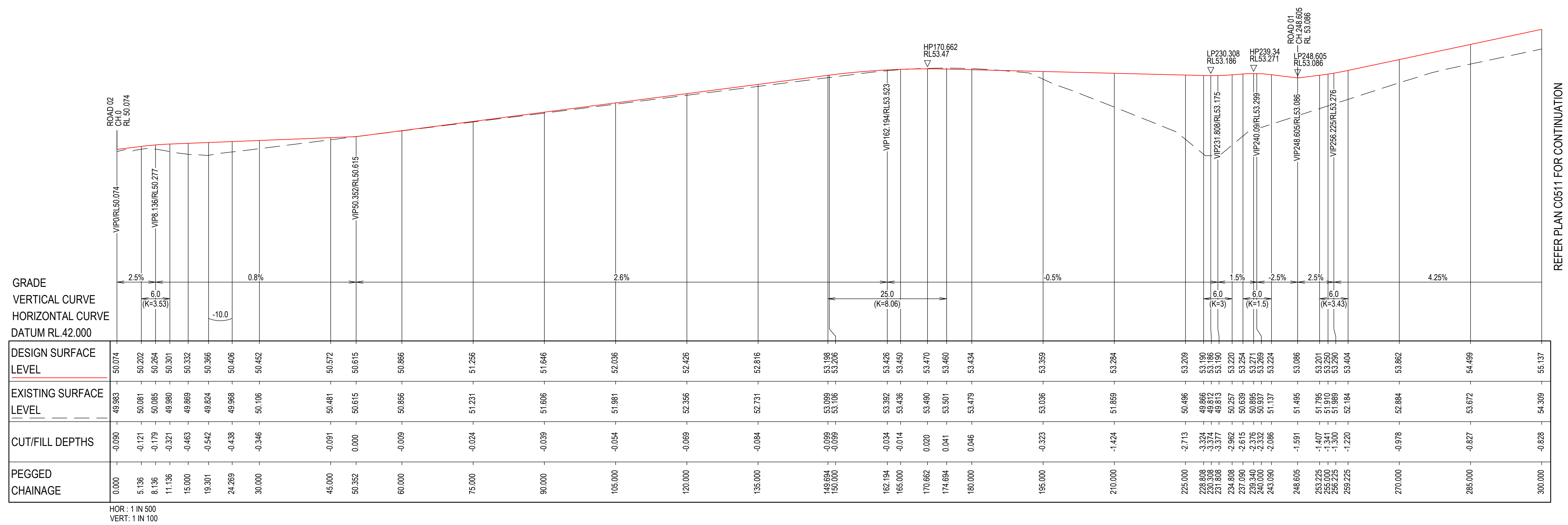
REV	DATE	DESCRIPTION	AMD BY	APP BY
2	03.09.24	RE-ISSUED FOR APPROVAL	JJP	KJM
1	20.10.23	ISSUED FOR DA	CB	KJM



DRAWN: C.BALDWIN	DESIGNED: P.MCCANN
DRAFT CHECK: S.MCINNES	DESIGN CHECK: T.HOWE
APPROVED:	K.MACDONALD
NOT FOR CONSTRUCTION	

STOCKLAND FOREST REACH
HALCYON COMMUNITIES LLC PRECINCT
LONGITUDINAL SECTIONS
ROAD 05

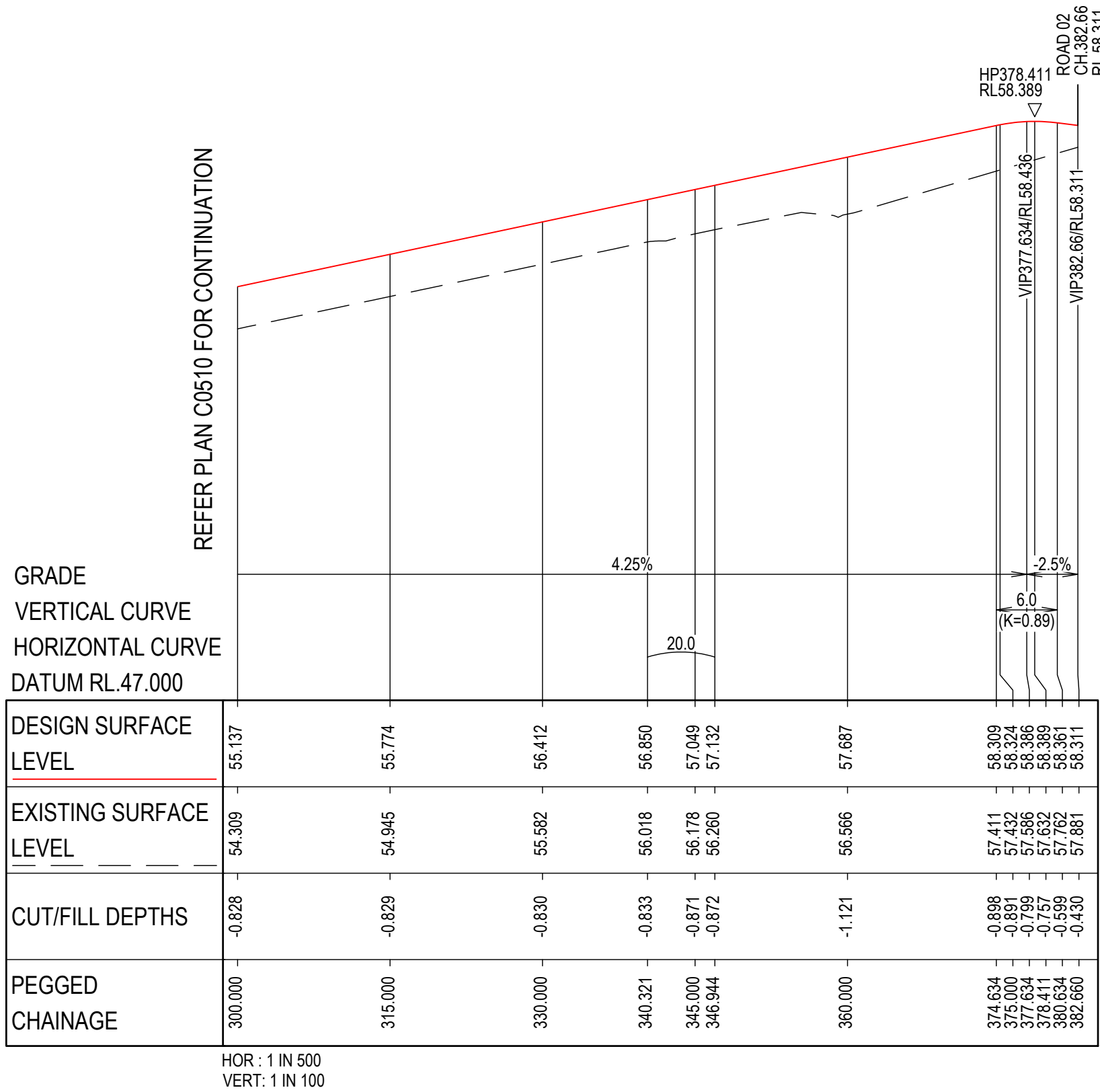
DRAWING NUMBER	SHEET No.	ORIG. SIZE	REVISION
MKR00256-13-C0509	2 OF 2	A1	2



2	03.09.24	RE-ISSUED FOR APPROVAL		JJP	KJM
1	20.10.23	ISSUED FOR DA		CB	KJM
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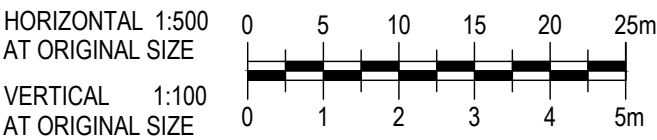
DRAWN: C.BALDWIN	DESIGNED: P.MCCANN	STOCKLAND FOREST REACH HALCYON COMMUNITIES LLC PRECINCT LONGITUDINAL SECTIONS ROAD 06			
DRAFT CHECK: S.MCINNES	DESIGN CHECK: T.HOWE				
APPROVED:	K.MACDONALD				
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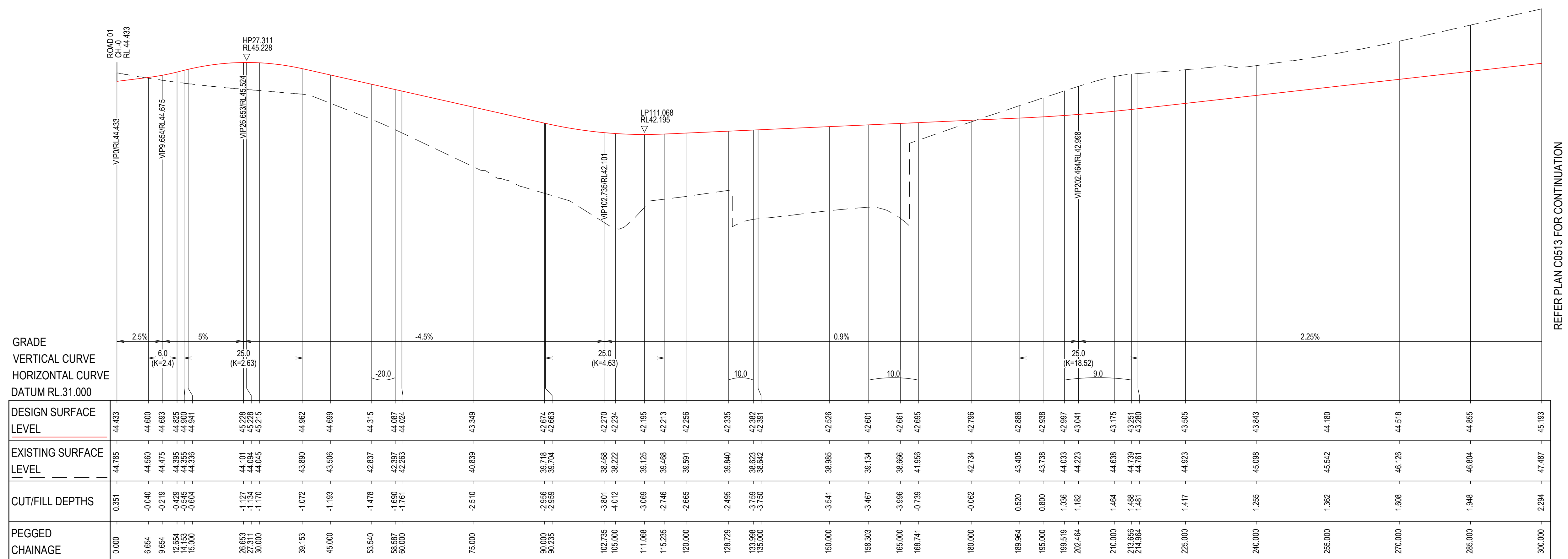
LONGITUDINAL SECTION - ROAD 06

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1	20.10.23	ISSUED FOR DA	CB	KJM	
REV	DATE	DESCRIPTION	AMD BY	APP BY	

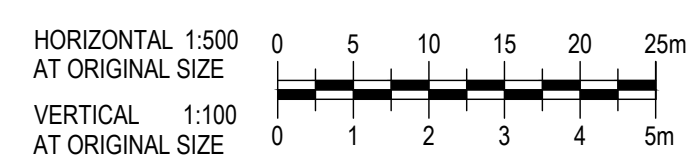


DRAWN: C.BALDWIN	DESIGNED: P.MCCANN	STOCKLAND FOREST REACH HALCYON COMMUNITIES LLC PRECINCT LONGITUDINAL SECTIONS ROAD 06			
DRAFT CHECK: S.MCINNIS	DESIGN CHECK: T.HOWE				
APPROVED: K.MACDONALD					
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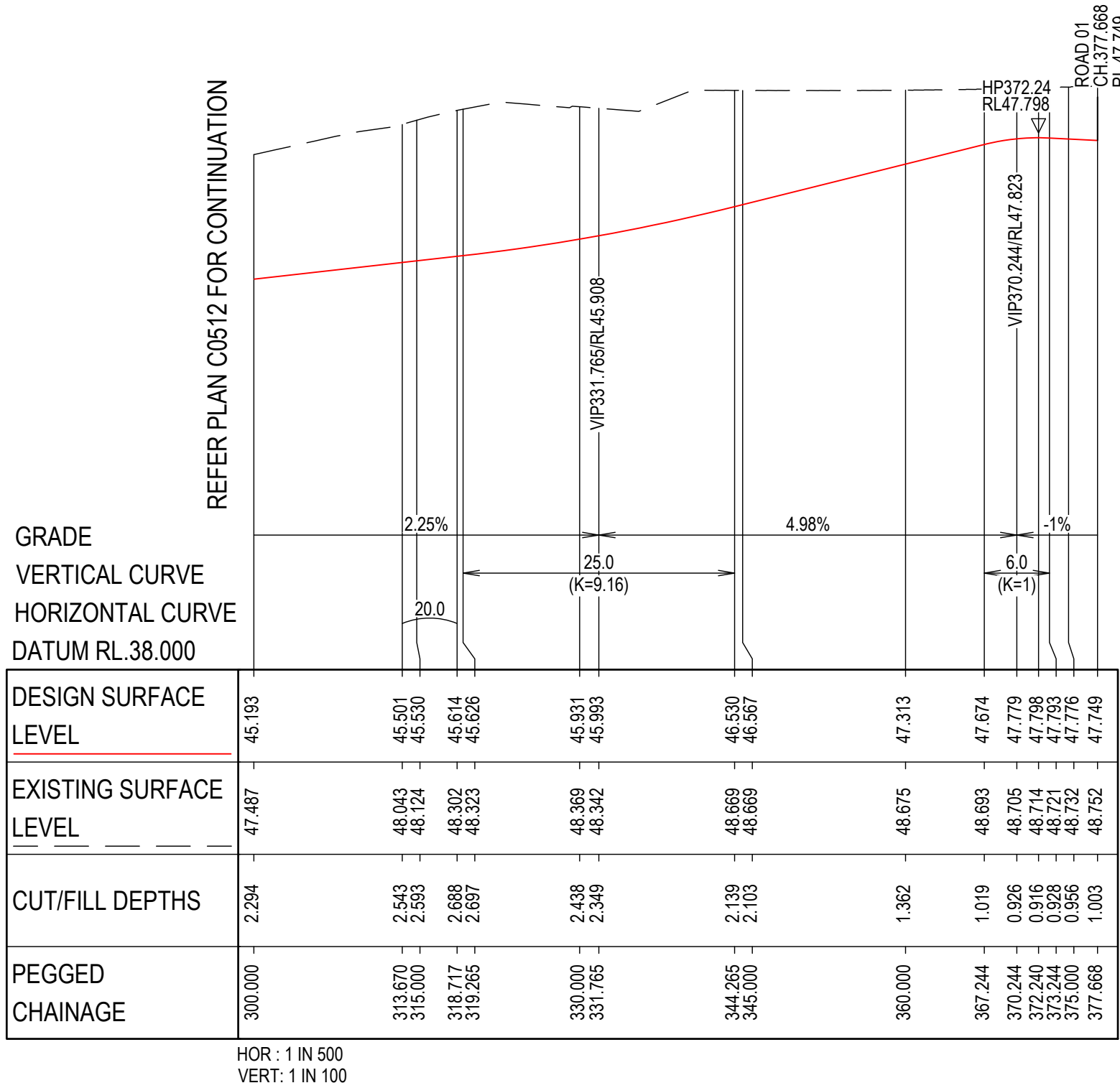


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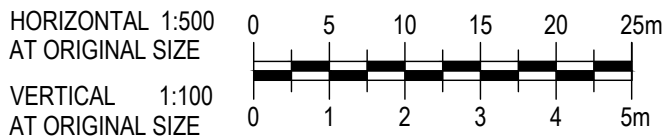
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APPROVED:		K.MACDONALD									
NOT FOR CONSTRUCTION				DRAWING NUMBER		SHEET No.		ORIG. SIZE		REVISION	
				MKR00256-13-C0512		1 OF 2		A1		2	



LONGITUDINAL SECTION - ROAD 07

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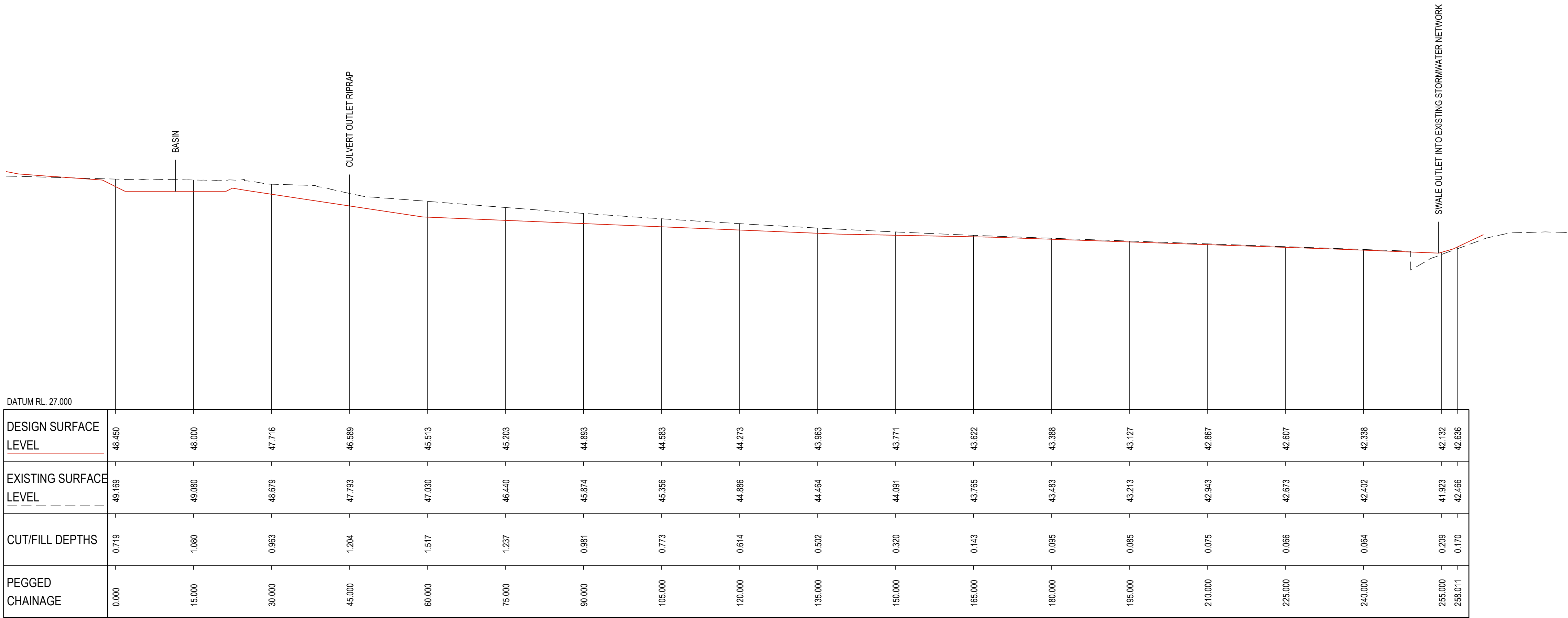


DRAWN: C.BALDWIN	DESIGNED: P.MCCANN
DRAFT CHECK: S.MCINNES	DESIGN CHECK: T.HOWE
APPROVED:	K.MACDONALD

NOT FOR CONSTRUCTION

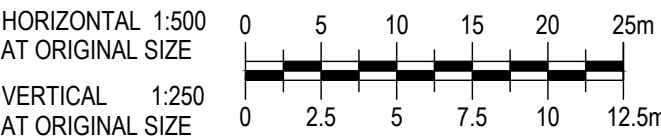
STOCKLAND FOREST REACH
HALCYON COMMUNITIES LLC PRECINCT
LONGITUDINAL SECTIONS
ROAD 07

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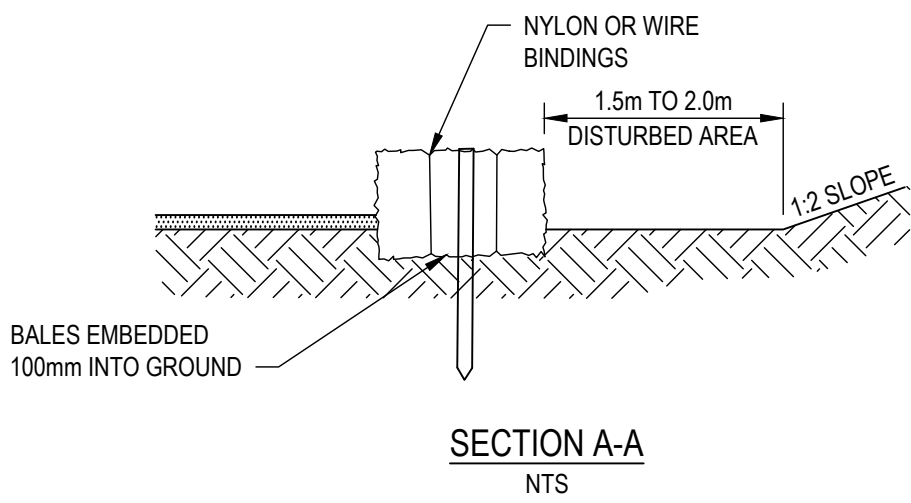
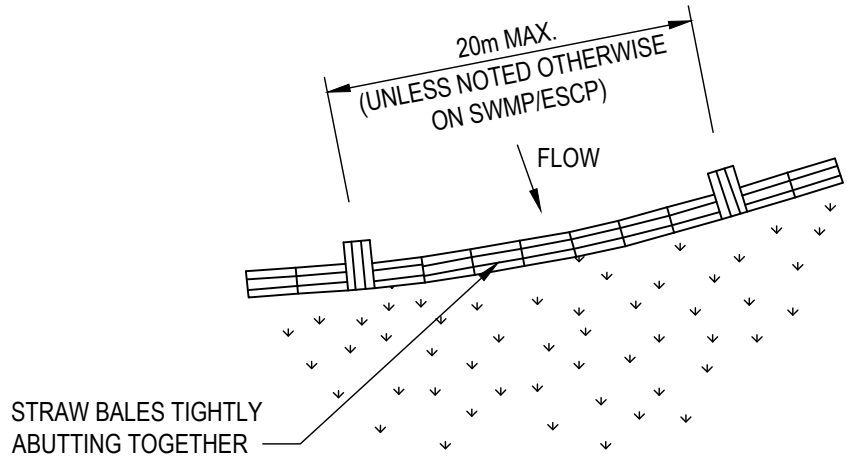
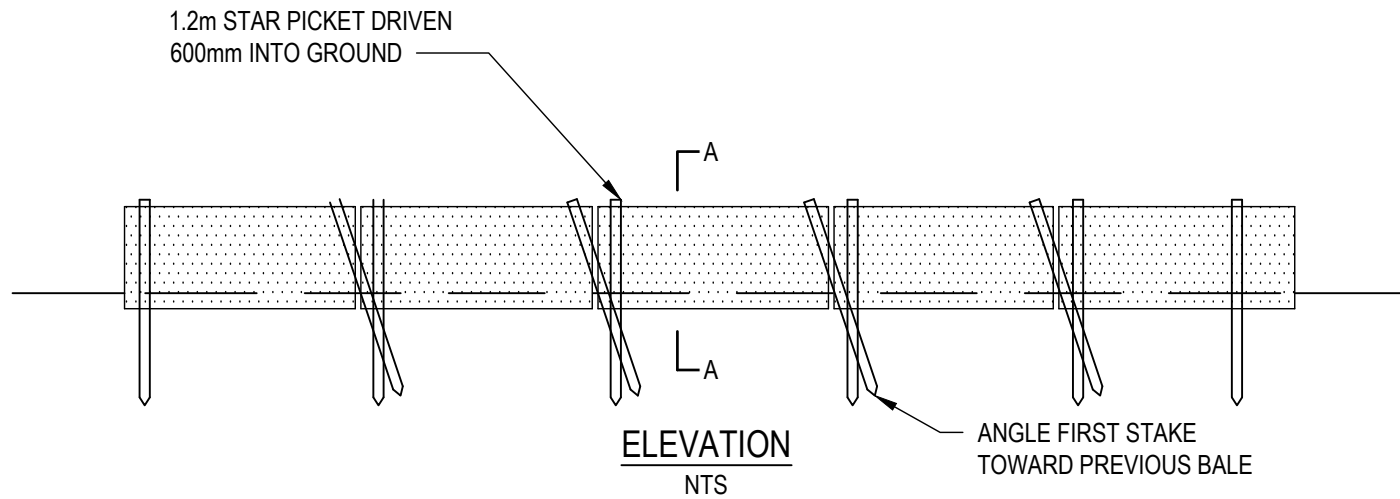


LONGITUDINAL SECTION - SWALE 01

2	03.09.24	RE-ISSUED FOR APPROVAL	JJP	KJM	
1	20.10.23	ISSUED FOR DA	CB	KJM	
REV	DATE	DESCRIPTION	AMD BY	APP BY	



DRAWN: C.BALDWIN	DESIGNED: P.MCCANN	STOCKLAND FOREST REACH HALCYON COMMUNITIES LLC PRECINCT LONGITUDINAL SECTIONS SWALE 01			
DRAFT CHECK: S.MCINNES	DESIGN CHECK: T.HOWE				
APPROVED: K.MACDONALD					
NOT FOR CONSTRUCTION		DRAWING NUMBER MKR00256-13-C0550	SHEET No.	ORIG. SIZE A1	REVISION 2

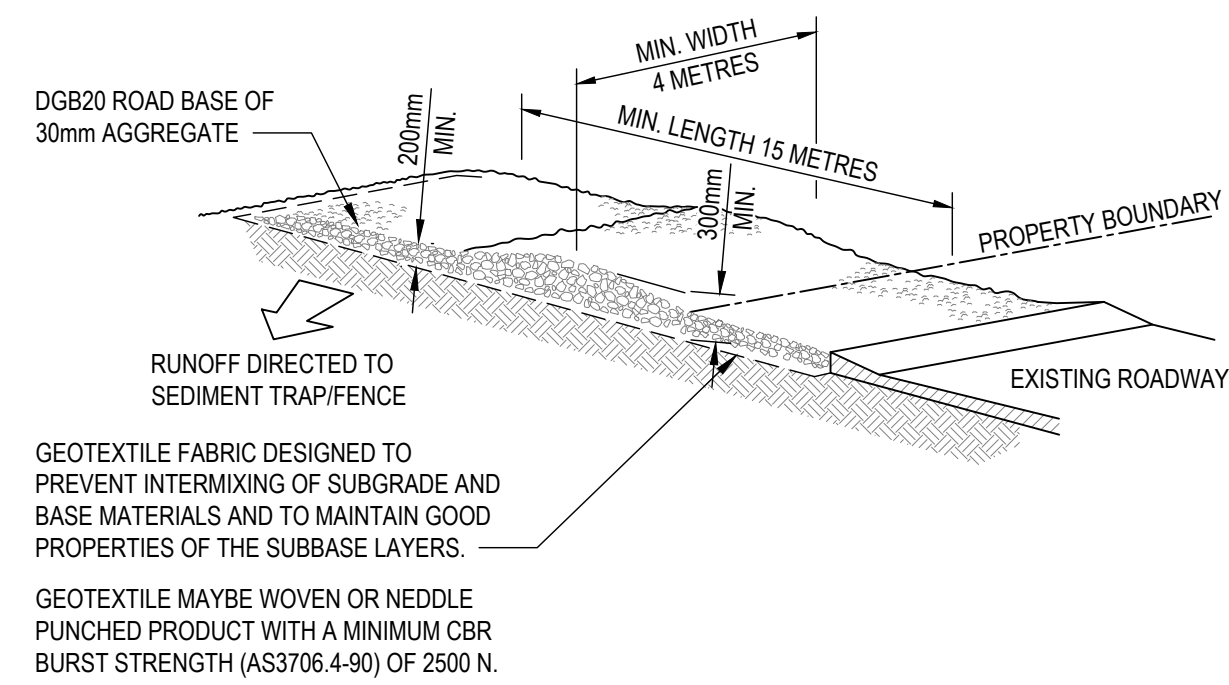


GENERAL CONSTRUCTION NOTES:

- CONSTRUCTION STRAW BALE FILTER AS CLOSE AS POSSIBLE TO PARALLEL TO THE CONTOURS OF THE SITE OR THE TOE OF A SLOPE
- PLACE BALES LENGTHWISE IN A ROW WITH ENDS TIGHTLY ABUTTING. USE STRAW TO FILL ANY GAPS BETWEEN BALES. STAIRS TO BE PLACED PARALLEL TO GROUND
- MAXIMUM HEIGHT OF FILTER IS ONE BALE
- ON SOFT MATERIALS, EMBED EACH BALE IN THE GROUND 75mm TO 100mm AND ANCHOR WITH TWO 1.2 STAR PICKETS. ANGLE THE FIRST STAKE IN EACH BALE TOWARDS THE PREVIOUSLY LAID BALE. DRIVE STAKES 600mm INTO THE GROUND AND FLUSH WITH THE TOP OF THE BALES
- WHERE A STRAW BALE FILTER IS CONSTRUCTED DOWNSLOPE FROM THE TOE OF THE BATTER

STRAW BALE FILTER SD 6-7

NTS

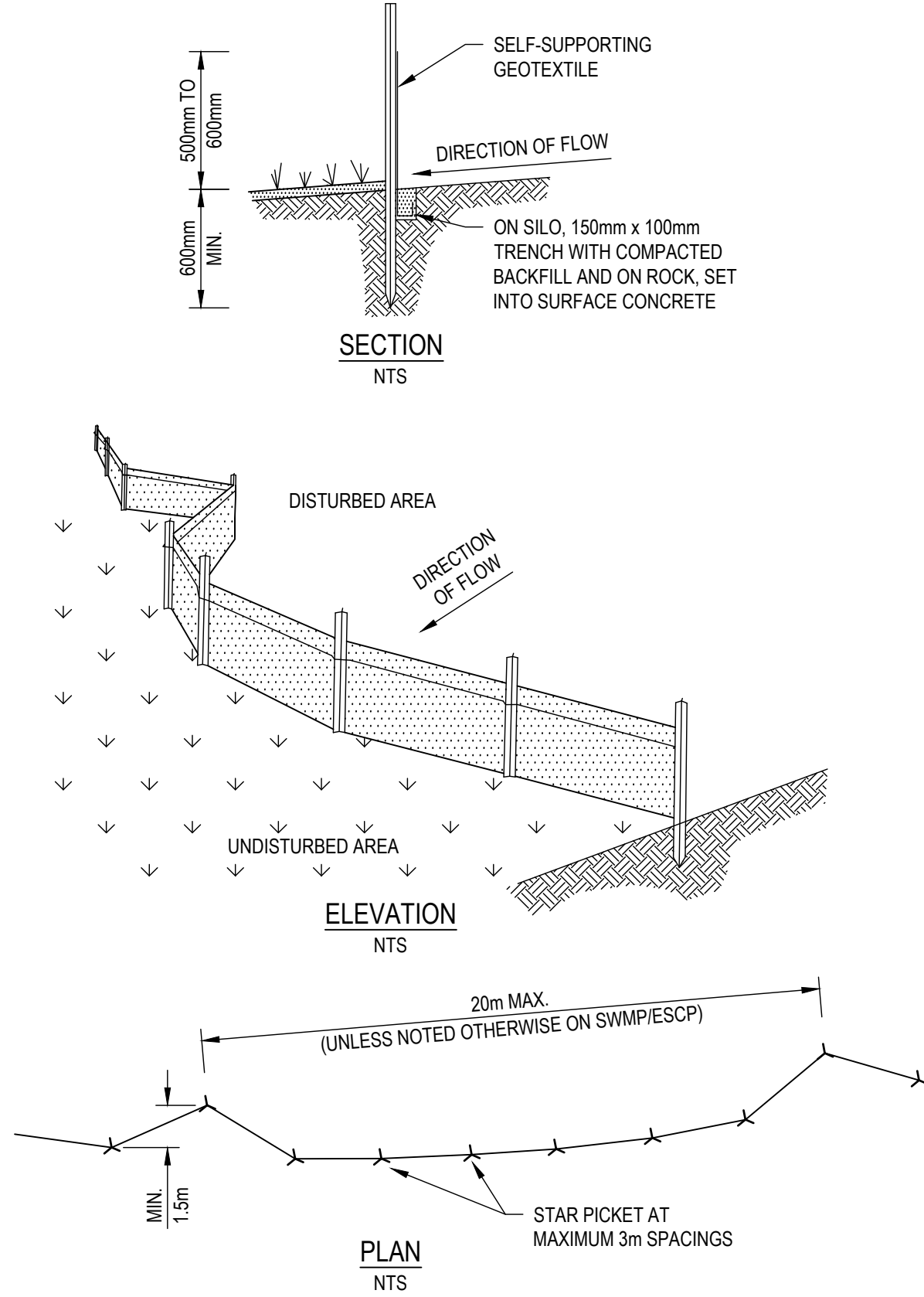


GENERAL CONSTRUCTION NOTES:

- STRIP THE TOPSOIL, LEVEL THE SITE AND COMPACT THE SUBGRADE.
- COVER THE AREA WITH NEEDLE - PUNCHED GEOTEXTILE.
- CONSTRUCT A 200mm THICK PAD OVER THE GEOTEXTILE USING ROAD BASE OR 30mm AGGREGATE.
- ENSURE THE STRUCTURE IS AT LEAST 15 METRES LONG OR TO BUILDING ALIGNMENT AND AT LEAST 3 METRES WIDE.
- WHERE A SEDIMENT FENCE JOINS ONTO THE STABILISED ACCESS, CONSTRUCT A HUMP IN THE STABILISED ACCESS TO DIVERT WATER TO SEDIMENT FENCE.

STABILISED SITE ACCESS

NTS

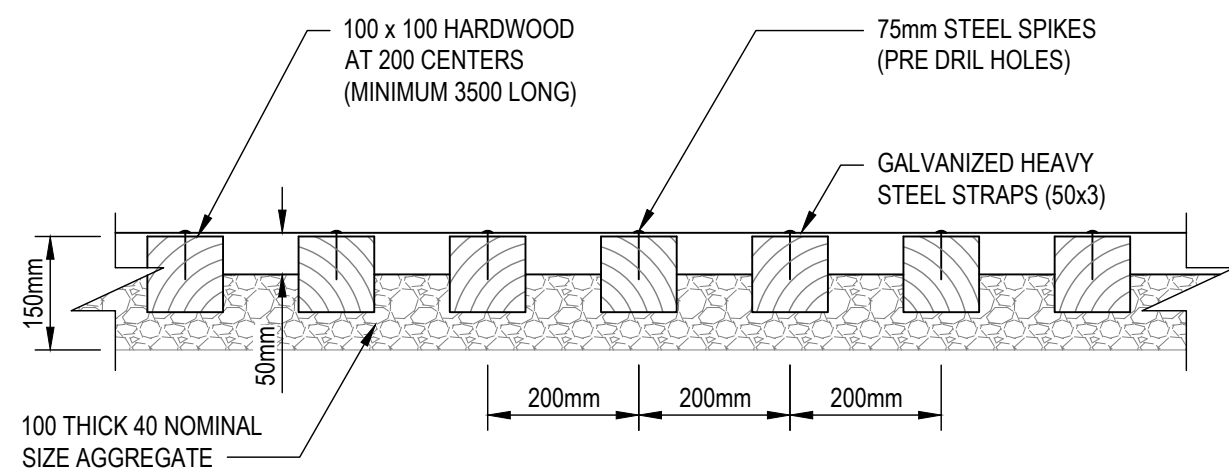


GENERAL CONSTRUCTION NOTES

- CONSTRUCTION SEDIMENT FENCES AS CLOSE AS POSSIBLE TO PARALLEL TO THE CONTOURS OF THE SITE
- DIVE 1.5m LONG STAR PICKETS INTO GROUND, 3m APART
- DIG A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED
- BACKFILL TRENCH OVER BASE OF FABRIC
- FIX SELF-SUPPORTING GEOTEXTILE TO UPSLOPE SIDE OF POSTS WITH WIRE TIES OR AS RECOMMENDED BY GEOTEXTILE MANUFACTURER
- JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP

SEDIMENT FENCE SD 6-8

NTS

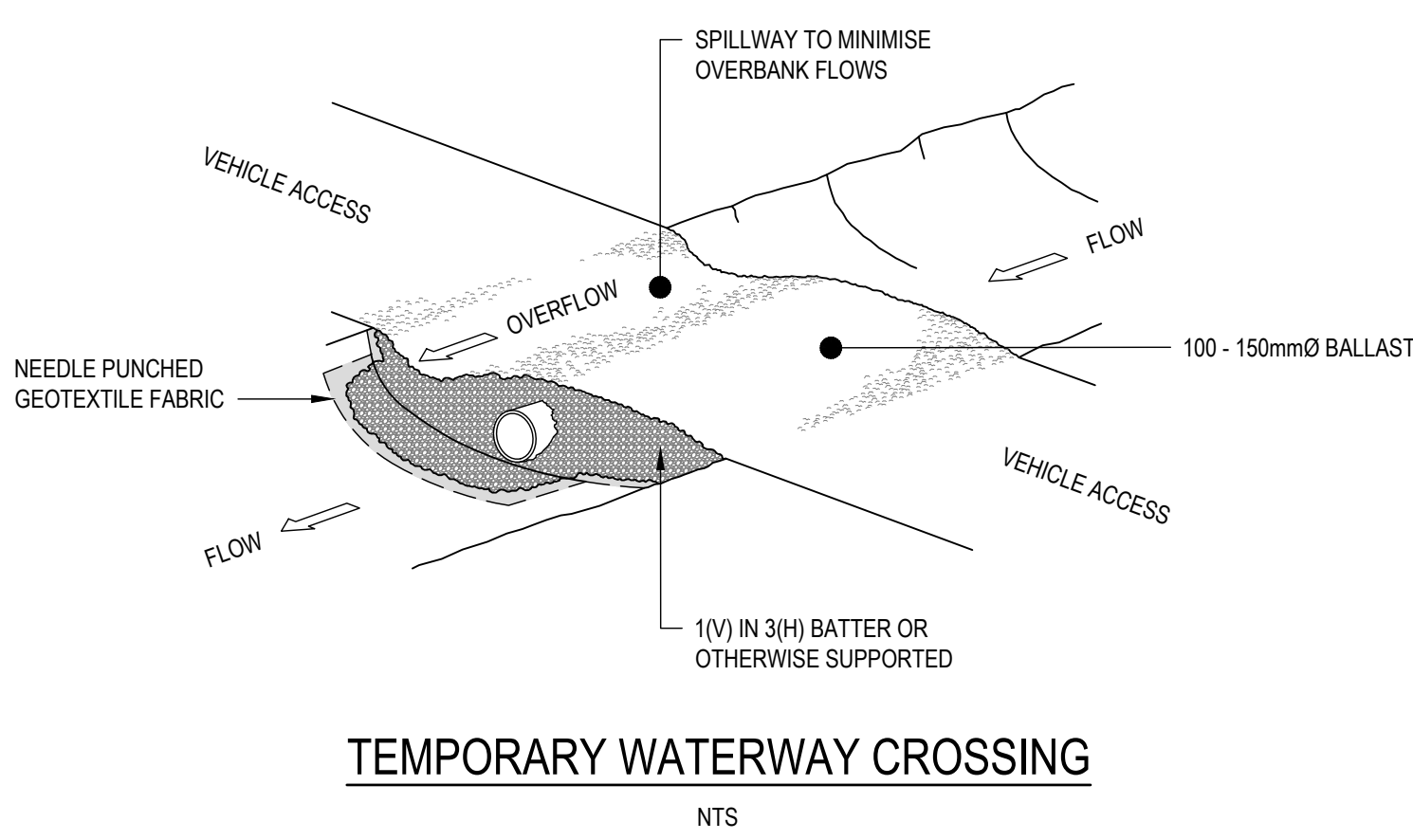


GENERAL CONSTRUCTION NOTES:

- THIS DEVICE IS TO BE LOCATED AT ALL EXITS FROM CONSTRUCTION SITE
- THIS DEVICE IS TO BE REGULARLY CLEANED OF DEPOSITED MATERIAL SO AS TO MAINTAIN A 50mm DEEP SPACE BETWEEN PLANKS
- ANY UNSEALED ROAD BETWEEN THIS DEVICE AND NEAREST ROADWAY IS TO BE TOPPED WITH 100mm THICK 40mm SIZE AGGREGATE
- ALTERNATIVELY, THREE PRECAST CONCRETE CATTLE GRIDS AS MANUFACTURED BY 'HULMS CONCRETE MAY BE USED. 1, 2 & 3 ABOVE ALSO APPLY

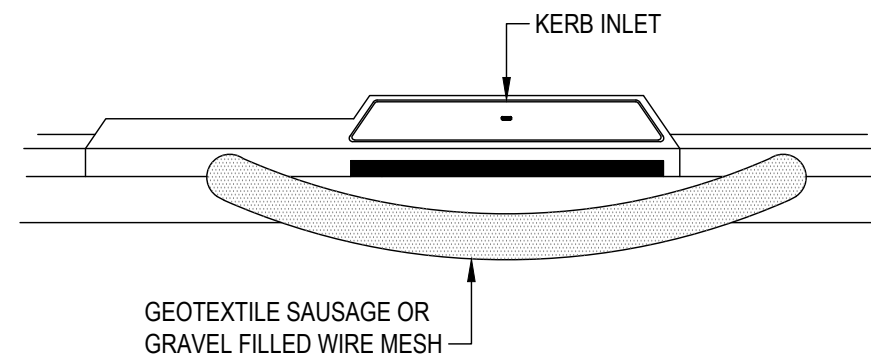
VEHICLE SHAKER GRID ELEVATION

NTS



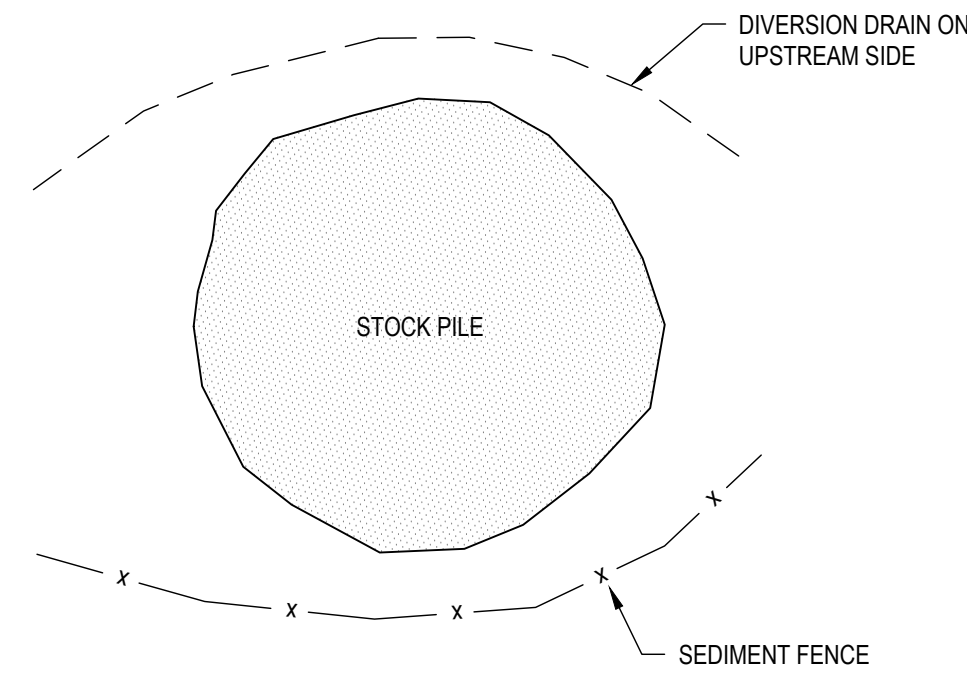
TEMPORARY WATERWAY CROSSING

NTS



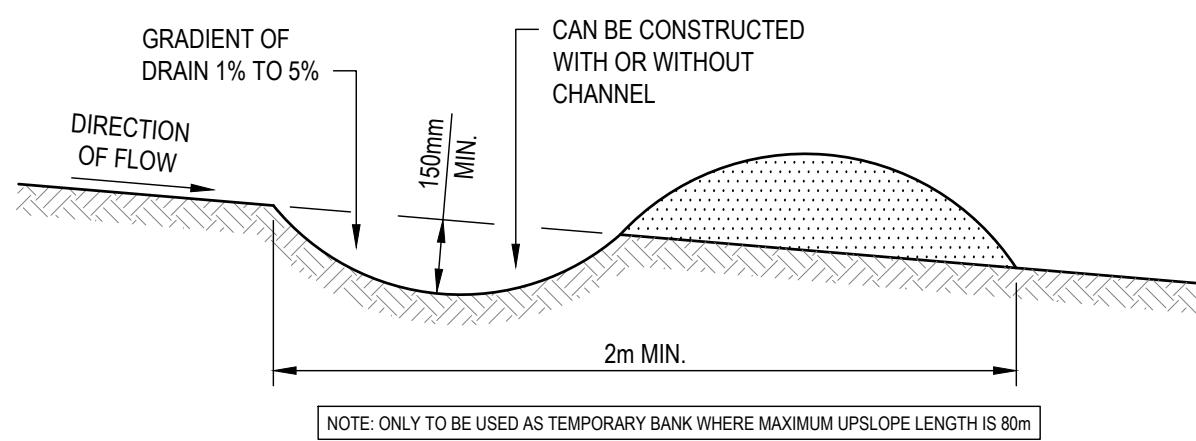
KERB INLET SEDIMENT TRAP

NTS



STOCKPILE PLAN

NTS



GENERAL CONSTRUCTION NOTES

- CONSTRUCT WITH GRADIENT OF 1% TO 5%
- AVOID REMOVING TREES AND SHRUBS IF POSSIBLE
- DRAINS TO BE CIRCULAR, PARABOLIC OR TRAPEZOIDAL CROSS SECTION NOT V-SHAPED
- EARTH BANKS TO BE ADEQUATELY COMPACTED IN ORDER TO PREVENT FAILURE
- PERMANENT OR TEMPORARY STABILISATION OF THE EARTH BANK TO BE COMPLETED WITHIN 10 DAYS OF CONSTRUCTION
- ALL OUTLETS FROM DISTURBED LANDS ARE TO FEED INTO A SEDIMENT BASIN OR SIMILAR
- DISCHARGE RUNOFF COLLECTED FROM UNDISTURBED LANDS ONTO EITHER A STABILISED OR AN UNDISTURBED DISPOSAL SITE WITHIN THE SAME SUBCATCHMENT AREA FROM WHICH THE WATER ORIGINATED
- COMPACT BANK WITH A SUITABLE IMPLEMENT IN SITUATIONS WHERE THEY ARE REQUIRED TO FUNCTION FOR MORE THAN FIVE DAYS
- EARTH BANKS TO BE FREE OF PROJECTIONS OR OTHER IRREGULARITIES THAT WILL IMPEDED NORMAL FLOW

EARTH BANK (LOW FLOW) SD 5-5

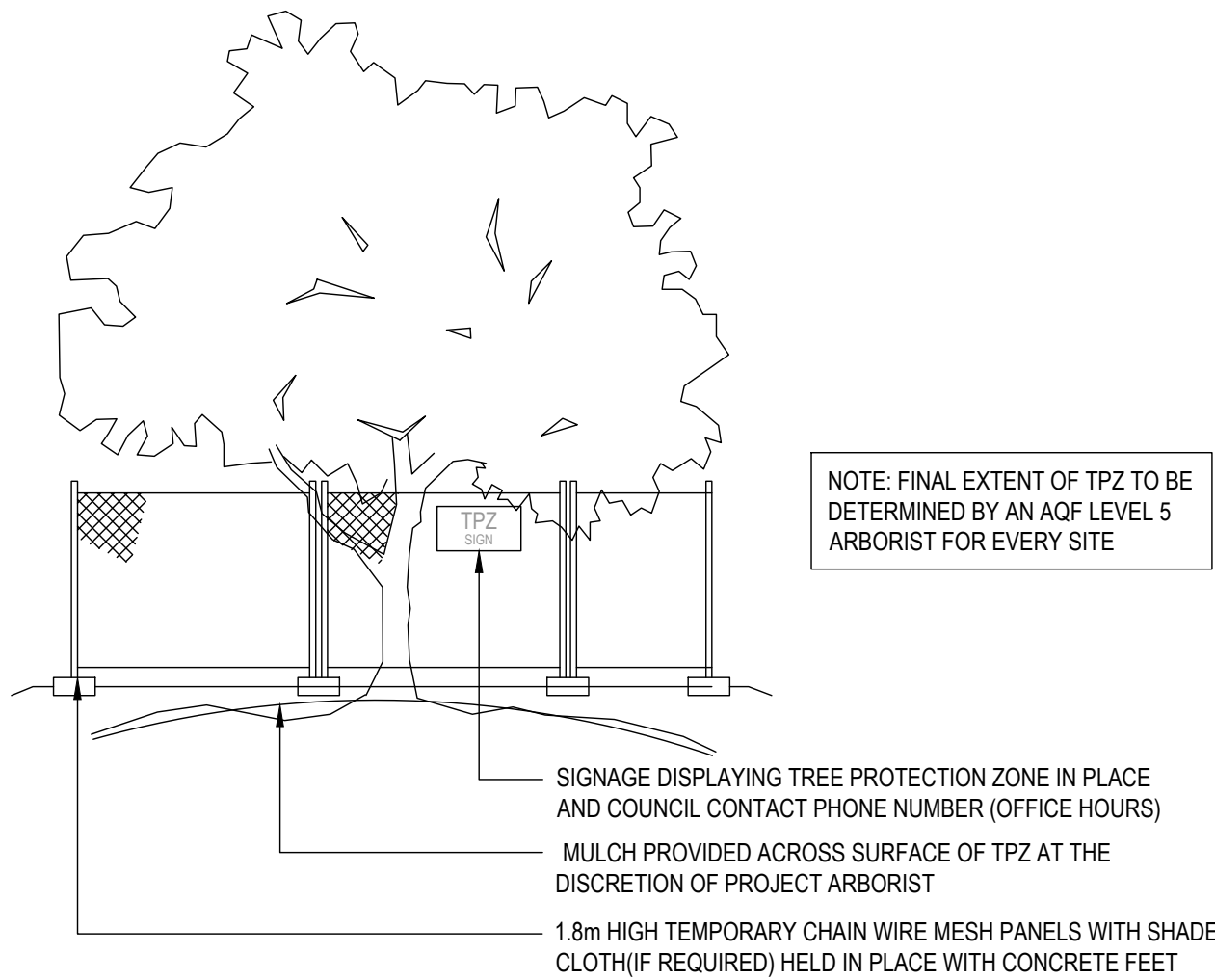
NTS

EROSION AND SEDIMENT CONTROL NOTES

- ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH:
 - LOCAL AUTHORITY REQUIREMENTS
 - APPLICABLE - POLLUTION CONTROL MANUAL FOR URBAN STORMWATER
 - DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT MANUAL- "URBAN EROSION & SEDIMENT CONTROL"
 - NSW PROTECTION OF THE ENVIRONMENT ACT 1997
- THE CONTRACTOR SHALL PREPARE EROSION AND SEDIMENT CONTROL DRAWINGS AND NOTES FOR THE WHOLE OF THE WORKS. SHOULD THE CONTRACTOR STAGE THESE WORKS THEN THE DESIGN MAY REQUIRE TO BE MODIFIED. VARIATION TO THESE DETAILS MAY REQUIRE TO BE APPROVED BY THE RELEVANT AUTHORITIES. THE EROSION AND SEDIMENT CONTROL PLAN SHALL BE IMPLEMENTED AND ADOPTED TO MEET THE VARYING SITUATIONS AS WORK ON SITE PROGRESSES.
- MAINTAIN ALL EROSION AND SEDIMENT CONTROL DEVICES TO THE SATISFACTION OF THE SUPERINTENDENT AND THE LOCAL AUTHORITY AS APPROPRIATE (IE. PRIVATE / PUBLIC LAND)
- AS STORMWATER PITS ARE CONSTRUCTED PREVENT SITE RUNOFF ENTERING. ERECT SILT FENCES AROUND PITS
- MINIMISE THE AREA OF SITE DISTURBED AT ANY ONE TIME.
- PROTECT ALL STOCKPILES OF MATERIALS FROM SCOUR AND EROSION. DO NOT STOCKPILE LOOSE MATERIAL IN ROADWAYS, NEAR DRAINAGE PITS OR IN WATERCOURSES.
- ALL SOIL AND WATER CONTROL MEASURES ARE TO BE PUT BACK IN PLACE AT THE END OF EACH WORKING DAY, AND MODIFIED TO BEST SUIT SITE CONDITIONS.
- CONTROL WATER FROM UPSTREAM OF THE SITE SO THAT IT DOES NOT ENTER THE DISTURBED SITE.
- ALL CONSTRUCTION VEHICLES SHALL ENTER AND EXIT THE SITE VIA THE AGREED TEMPORARY CONSTRUCTION ENTRY/EXIT.
- ALL VEHICLES ASSOCIATED WITH CIVIL WORKS SHALL BE CLEANED AND INSPECTED BY THE CONTRACTOR BEFORE LEAVING THE SITE
- MAINTAIN ALL STORMWATER PIPES AND PITS CLEAR OF DEBRIS AND SEDIMENT. THE CONTRACTOR SHALL INSPECT STORMWATER SYSTEM AND CLEAN OUT AFTER EACH STORM EVENT AND / OR WHEN DIRECTED
- THE CONTRACTOR SHALL CLEAN OUT ALL EROSION AND SEDIMENT CONTROL DEVICES AFTER EACH STORM EVENT.

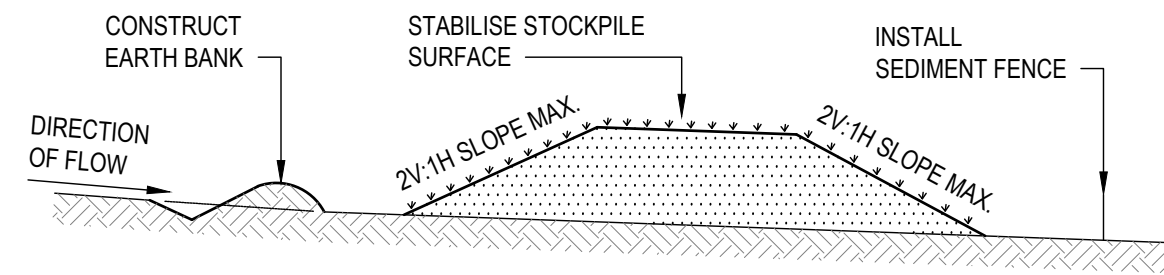
SEQUENCE OF WORKS

- PRIOR TO COMMENCEMENT OF EXCAVATION THE FOLLOWING SOIL MANAGEMENT DEVICES MUST BE INSTALLED
 - CONSTRUCT ALL SILT FENCES BELOW THE SITE AND ACROSS ALL POTENTIAL RUNOFF SITES
 - CONSTRUCT TEMPORARY CONSTRUCTION ENTRY / EXIT AND DIVERT RUNOFF TO SUITABLE CONTROL SYSTEMS
 - CONSTRUCT MEASURES TO DIVERT UPSTREAM FLOWS AROUND WORK(S) AREAS
 - CONSTRUCT SEDIMENTATION TRAPS / BASIN INCLUDING OUTLET CONTROL AND OVERFLOW
 - PROVIDE SAND BAG SEDIMENT TRAPS / GRAVEL SEDIMENT SAUSAGE UPSTREAM OF EXISTING PITS
- CONSTRUCT GEOTEXTILE FILTER PIT SURROUND AROUND ALL PROPOSED PITS AS THEY ARE CONSTRUCTED
- ON COMPLETION OF PAVEMENT PROVIDE GRAVEL SAUSAGE AT KERB INLET PITS
- PROVIDE AND MAINTAIN A 450 WIDE STRIP OF TURN ON BOTH SIDES OF ALL PAVEMENTS AFTER CONSTRUCTION



TREE PROTECTION ZONE FENCING DETAIL

(REFERENCE AS 4790)



GENERAL CONSTRUCTION NOTES

- LOCATE STOCKPILE AT LEAST 5m FROM EXISTING VEGETATION, CONCENTRATED WATER FLOWS, ROADS AND HAZARD AREAS
- CONSTRUCT ON THE CONTOUR AS A LOW, FLAT, ELONGATED MOUND
- WHERE THERE IS SUFFICIENT AREA TOPSOIL STOCKPILES FOR FINAL CAPPING LAYER, SHALL BE LESS THAN 2m IN HEIGHT
- REHABILITATE IN ACCORDANCE WITH THE SWMP/ESCP
- CONSTRUCT EARTH BANK (SD 5-2) ON THE UPSLOPE SIDE TO DIVERT RUN OFF AROUND THE STOCKPILE AND A SEDIMENT FENCE (SD 6-7) 1 TO 2m DOWNSLOPE OF STOCKPILE

STOCKPILES SD 4-1

NTS

REV	DATE	DESCRIPTION	AMD BY	APP BY
2	03.09.24	RE-ISSUED FOR APPROVAL	JJP	KJM
1	20.10.23	ISSUED FOR DA	CB	KJM

DRAWN: C.BALDWIN DRAFT CHECK: S.MCINNIS	DESIGNED: P.MCCANN DESIGN CHECK: T.HOWE	STOCKLAND FOREST REACH HALCYON COMMUNITIES LLC PRECINCT SOIL AND WATER MANAGEMENT DETAILS		
APPROVED: K.MACDONALD		DRAWING NUMBER MKR00256-13-C1500	SHEET No.	ORIG. SIZE A1
NOT FOR CONSTRUCTION				REVISION 2

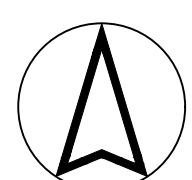
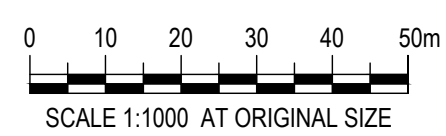


- PROPOSED**
- SITE BOUNDARY
 - STAGING BOUNDARY
 - CIVIL WORKS EXTENTS
 - DIRTY WATER DRAIN
 - CLEAN WATER DIVERSION DRAIN
 - TEMPORARY FENCING
 - SEDIMENT FENCE
 - SEDIMENT BASIN
 - SITE STOCKPILE
 - SHAKER GRID
 - STABILIZED SITE ACCESS
 - SITE COMPOUND
 - 7.0
 - CONTOURS (0.5m)
- EXISTING**
- LOT BOUNDARY
 - EASEMENT
 - 60.0
 - CONTOURS (1.0m)
 - TREE (TO BE RETAINED)
 - MAPPED WATER COURSE
- FUTURE**
- LOT BOUNDARY

- EROSION CONTROL**
- THE CONTRACTOR SHALL INSTALL AND MAINTAIN SOIL EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH LOCAL COUNCIL'S DEVELOPMENT CONTROL PLAN FOR ENVIRONMENTAL MANAGEMENT AND WITH THE 'MANAGING URBAN STORMWATER' (3rd EDITION, AUGUST 1998) BY THE NSW DEPARTMENT OF HOUSING.
 - ALL EROSION CONTROL DEVICES ARE TO BE MAINTAINED/REPAIRED DAILY.
 - GRADE FINISHED SURFACE TO SHED WATER EVENLY WITHOUT CHANNELLING (UNTIL PIPED STORMWATER SYSTEM IS ADDED IN LATER STAGE).
 - THE PLACEMENT OF EROSION AND SEDIMENT CONTROL MEASURES MAY VARY DEPENDENT UPON THE CONSTRUCTION TECHNIQUE AND PROGRAM.
 - PROVIDE SECURITY FENCES IF BASIN BATTER SLOPE EXCEEDS 1:4

Conor Baldwin, 3/9/2024, 10:41 AM

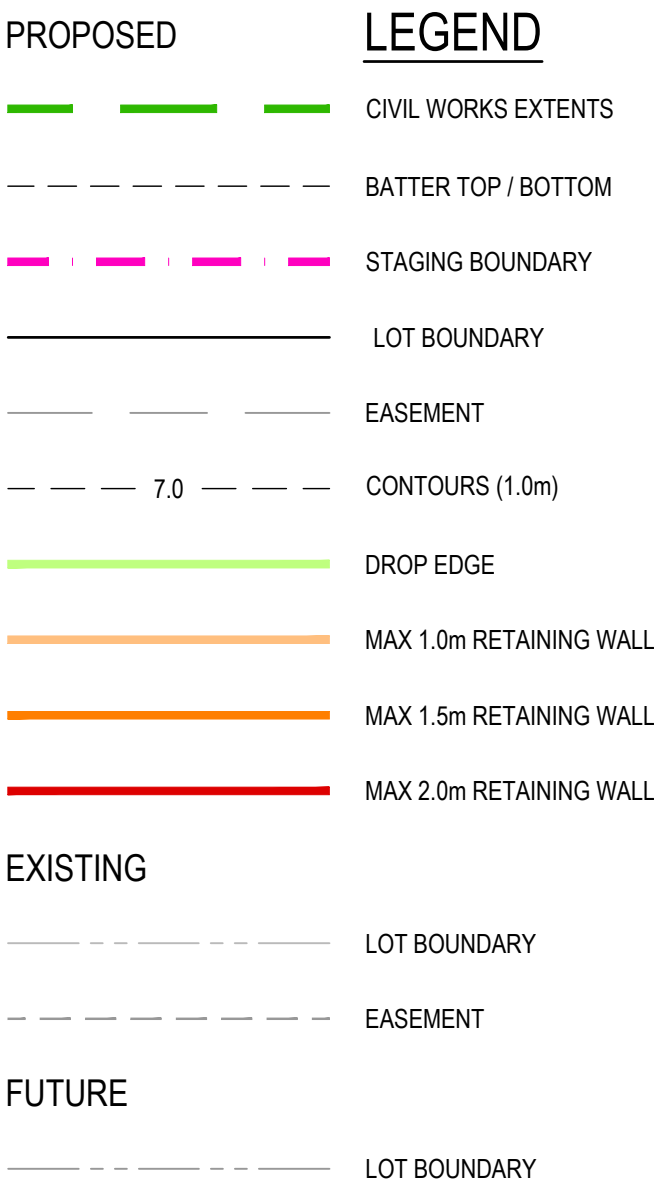
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DRAWN: C.BALDWIN	DESIGNED: P.MCCANN
DRAFT CHECK: S.MCINNES	DESIGN CHECK: T.HOWE
APPROVED:	K.MACDONALD
NOT FOR CONSTRUCTION	

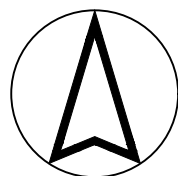
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DRAWING NUMBER MKR00256-13-C1501	SHEET No.	ORIG. SIZE A1	REVISION 2

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1. FOR RETAINING WALL FINISHES REFER PLANS C0100-C0103
ALONG WITH NOTES 2-4 BELOW
2. EXTERNAL FACING WALLS TO BE SPLIT FACE BLOCKS WITH
THE SPLIT FACE SIDE FACING THE PUBLIC AREA
3. INTER-ADJACENT WALLS WHICH ARE NOT VISIBLE FROM
THE STREET TO BE CONCRETE SLEEPER WALLS
4. FEATURE WALLS TO BE CONSTRUCTED OF SANDSTONE
LOSAS AS PER ARCHITECT DESIGN
5. REFER TO LANDSCAPE PLANS FOR LANDSCAPE FEATURE
WALLS AT ENTRANCE LOCATIONS
6. EXISTING SURFACE CONTOURS CREATED WITH A
COMBINATION OF ACCURATE SURVEY, ALS DATA AND
PROPOSED CONTOURS FROM NORTHERN PRECINCT
7. EXISTING LEVELS WITHIN THE CIVIL WORK EXTENTS
BOUNDARY ARE THE FINISHED DESIGN LEVELS FROM
DA/2021/1041

SCALE 1:1000 AT ORIGINAL SIZE



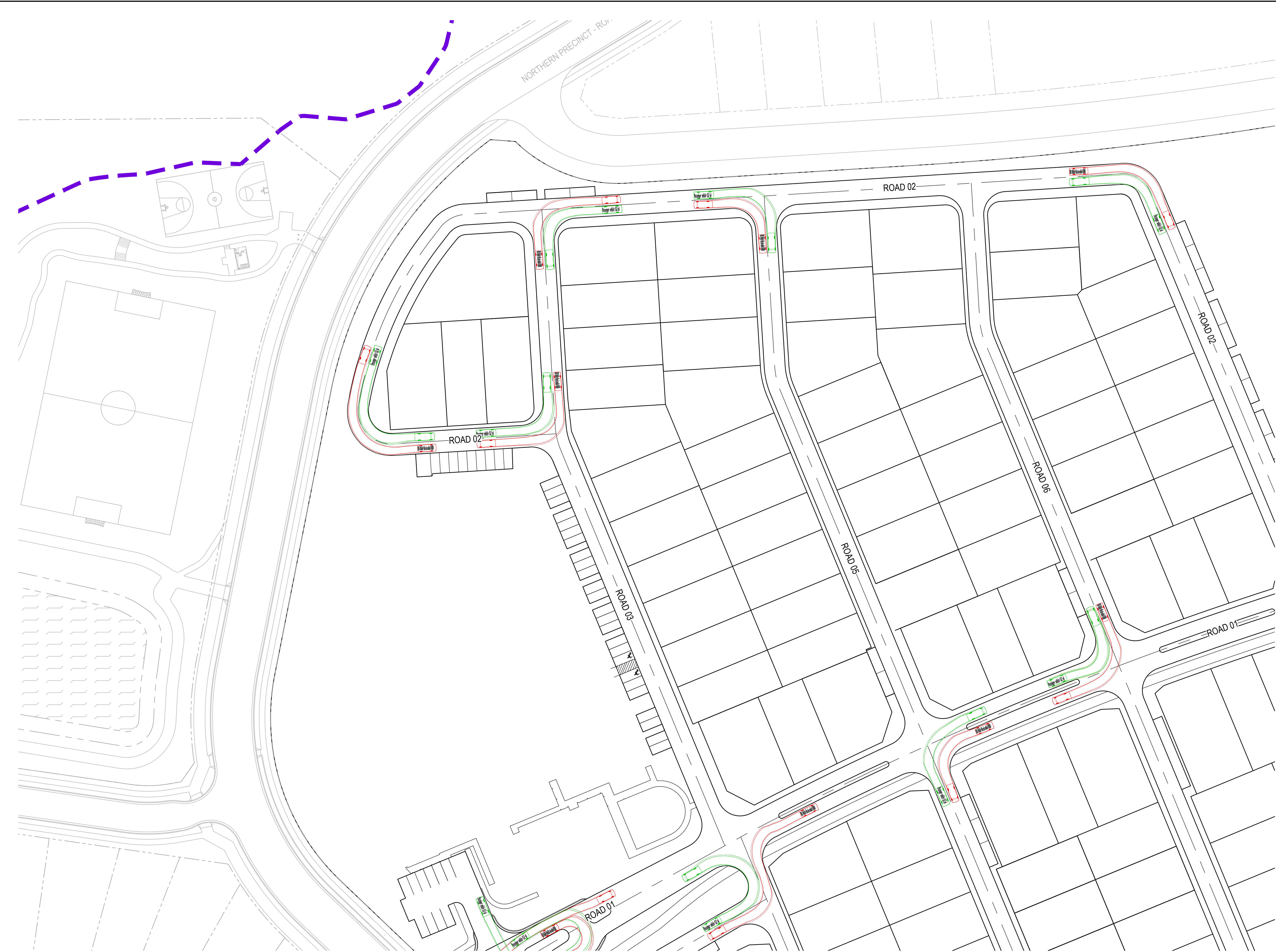
Stockland Halcyon



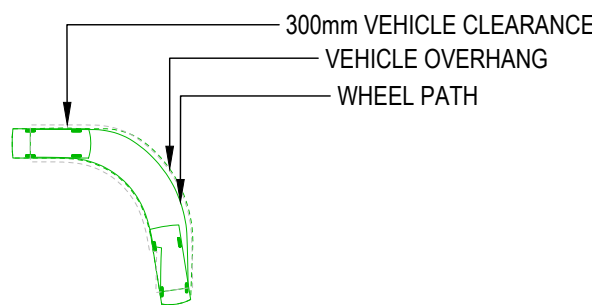
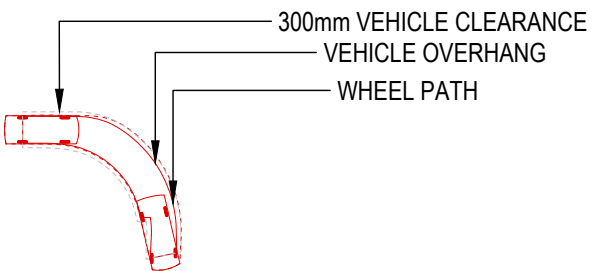
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DRAFT CHECK: S.MCINNES	DESIGN CHECK: T.HOWE
APPROVED: K.MACDONALD	
NOT FOR CONSTRUCTION	

STOCKLAND FOREST REACH
HALCYON COMMUNITIES LLC PRECINCT
RETAINING WALL
LAYOUT PLAN

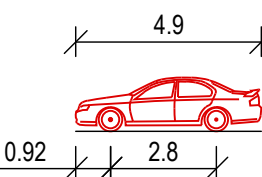
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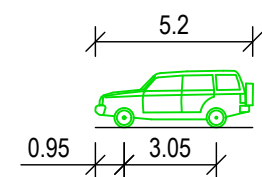


- VEHICLE ENVELOPE - B85
- VEHICLE ENVELOPE - B99



B85 VEHICLE	
OVERALL LENGTH	4.910m
OVERALL WIDTH	1.870m
OVERALL BODY HEIGHT	1.421m
MIN BODY GROUND CLEARANCE	0.159m
TRACK WIDTH	1.770m
LOCK-TO-LOCK TIME	4.00s
KERB TO KERB TURNING RADIUS	5.750m

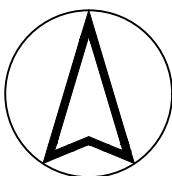
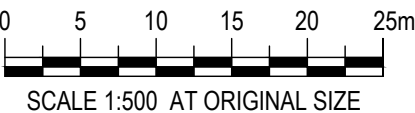
DESIGN VEHICLE



B99 VEHICLE	
OVERALL LENGTH	5.200m
OVERALL WIDTH	1.940m
OVERALL BODY HEIGHT	1.878m
MIN BODY GROUND CLEARANCE	0.272m
TRACK WIDTH	1.840m
LOCK-TO-LOCK TIME	4.00s
KERB TO KERB TURNING RADIUS	6.250m

DESIGN VEHICLE - 5.2m PASSENGER VEHICLE

REV	DATE	DESCRIPTION	AMD BY	APP BY
2	03.09.24	RE-ISSUED FOR APPROVAL	JJP	KJM
1	20.10.23	ISSUED FOR DA	CB	KJM



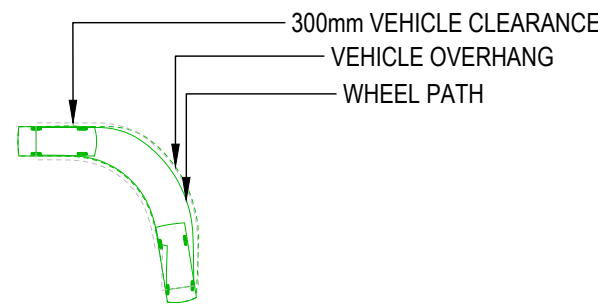
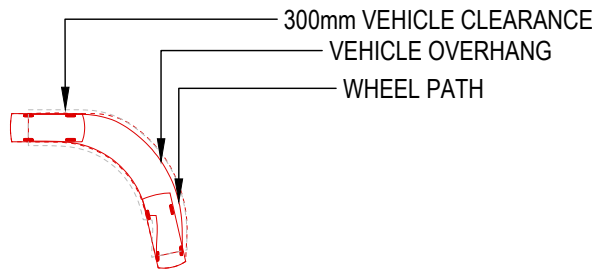
DRAWN: C.BALDWIN	DESIGNED: P.MCCANN
DRAFT CHECK: S.MCINNES	DESIGN CHECK: T.HOWE
APPROVED:	K.MACDONALD
NOT FOR CONSTRUCTION	

STOCKLAND FOREST REACH
HALCYON COMMUNITIES LLC PRECINCT
SWEEP PATH LAYOUT PLAN
DESIGN VEHICLES

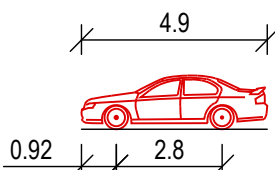
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MKR00256-13-C1700	1 OF 4	A1	2



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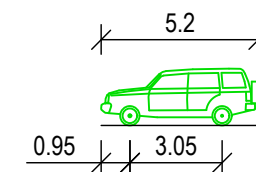


- VEHICLE ENVELOPE - B85
- VEHICLE ENVELOPE - B99



B85 VEHICLE	
OVERALL LENGTH	4.910m
OVERALL WIDTH	1.870m
OVERALL BODY HEIGHT	1.421m
MIN BODY GROUND CLEARANCE	0.159m
TRACK WIDTH	1.770m
LOCK-TO-LOCK TIME	4.00s
KERB TO KERB TURNING RADIUS	5.750m

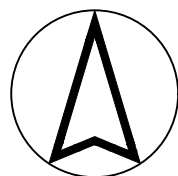
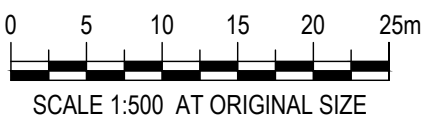
DESIGN VEHICLE



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MIN BODY GROUND CLEARANCE	0.272m
TRACK WIDTH	1.840m
LOCK-TO-LOCK TIME	4.00s
KERB TO KERB TURNING RADIUS	6.250m

DESIGN VEHICLE - 5.2m PASSENGER VEHICLE

REV	DATE	DESCRIPTION	AMD BY	APP BY
2	03.09.24	RE-ISSUED FOR APPROVAL	JJP	KJM
1	20.10.23	ISSUED FOR DA	CB	KJM



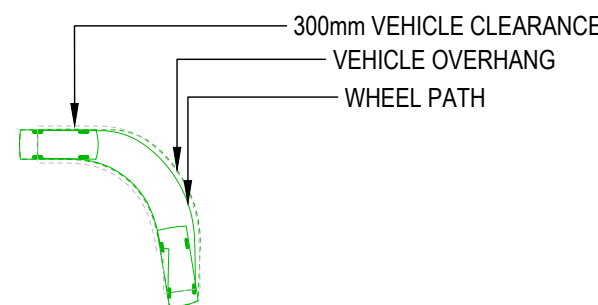
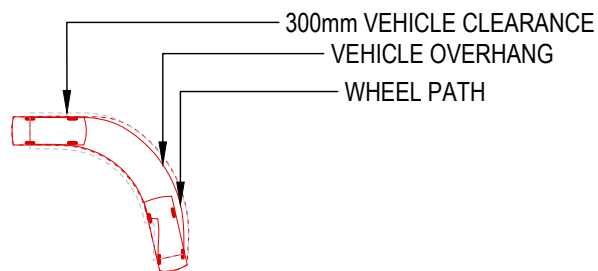
DRAWN: C.BALDWIN	DESIGNED: P.MCCANN
DRAFT CHECK: S.MCINNES	DESIGN CHECK: T.HOWE
APPROVED:	K.MACDONALD
NOT FOR CONSTRUCTION	

STOCKLAND FOREST REACH
HALCYON COMMUNITIES LLC PRECINCT
SWEEP PATH LAYOUT PLAN
DESIGN VEHICLES

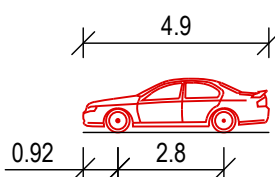
DRAWING NUMBER	SHEET No.	ORIG. SIZE	REVISION
MKR00256-13-C1701	2 OF 4	A1	2



LEGEND

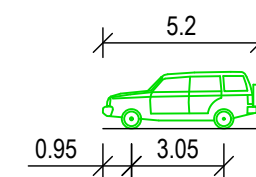


- VEHICLE ENVELOPE - B85
- VEHICLE ENVELOPE - B99



B85 VEHICLE
OVERALL LENGTH 4.910m
OVERALL WIDTH 1.870m
OVERALL BODY HEIGHT 1.421m
MIN BODY GROUND CLEARANCE 0.159m
TRACK WIDTH 1.770m
LOCK-TO-LOCK TIME 4.00s
KERB TO KERB TURNING RADIUS 5.750m

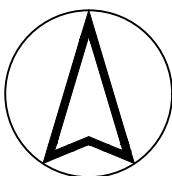
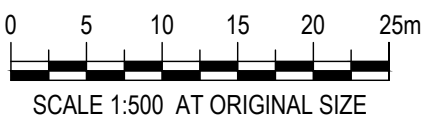
DESIGN VEHICLE



B99 VEHICLE
OVERALL LENGTH 5.200m
OVERALL WIDTH 1.940m
OVERALL BODY HEIGHT 1.878m
MIN BODY GROUND CLEARANCE 0.272m
TRACK WIDTH 1.840m
LOCK-TO-LOCK TIME 4.00s
KERB TO KERB TURNING RADIUS 6.250m

DESIGN VEHICLE - 5.2m PASSENGER VEHICLE

REV	DATE	DESCRIPTION	AMD BY	APP BY
2	03.09.24	RE-ISSUED FOR APPROVAL	JJP	KJM
1	20.10.23	ISSUED FOR DA	CB	KJM



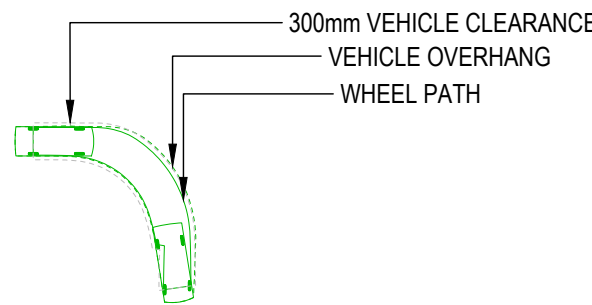
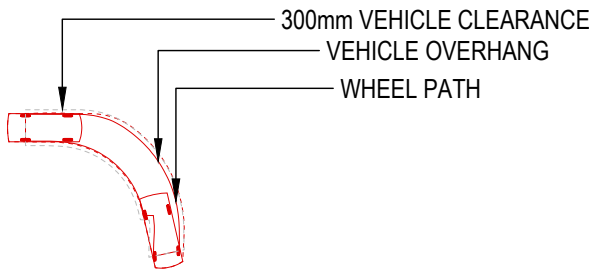
DRAWN: C.BALDWIN	DESIGNED: P.MCCANN
DRAFT CHECK: S.MCINNES	DESIGN CHECK: T.HOWE
APPROVED:	K.MACDONALD
NOT FOR CONSTRUCTION	

STOCKLAND FOREST REACH
HALCYON COMMUNITIES LLC PRECINCT
SWEEP PATH LAYOUT PLAN
DESIGN VEHICLES

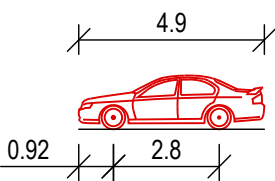
DRAWING NUMBER	SHEET No.	ORIG. SIZE	REVISION
MKR00256-13-C1702	3 OF 4	A1	2



LEGEND

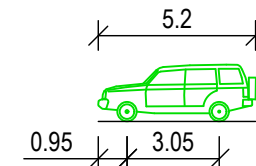


- VEHICLE ENVELOPE - B85
- VEHICLE ENVELOPE - B99



B85 VEHICLE	
OVERALL LENGTH	4.910m
OVERALL WIDTH	1.870m
OVERALL BODY HEIGHT	1.421m
MIN BODY GROUND CLEARANCE	0.159m
TRACK WIDTH	1.770m
LOCK-TO-LOCK TIME	4.00s
KERB TO KERB TURNING RADIUS	5.750m

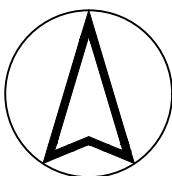
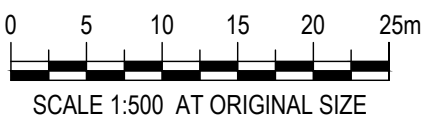
DESIGN VEHICLE



B99 VEHICLE	
OVERALL LENGTH	5.200m
OVERALL WIDTH	1.940m
OVERALL BODY HEIGHT	1.878m
MIN BODY GROUND CLEARANCE	0.272m
TRACK WIDTH	1.840m
LOCK-TO-LOCK TIME	4.00s
KERB TO KERB TURNING RADIUS	6.250m

DESIGN VEHICLE - 5.2m PASSENGER VEHICLE

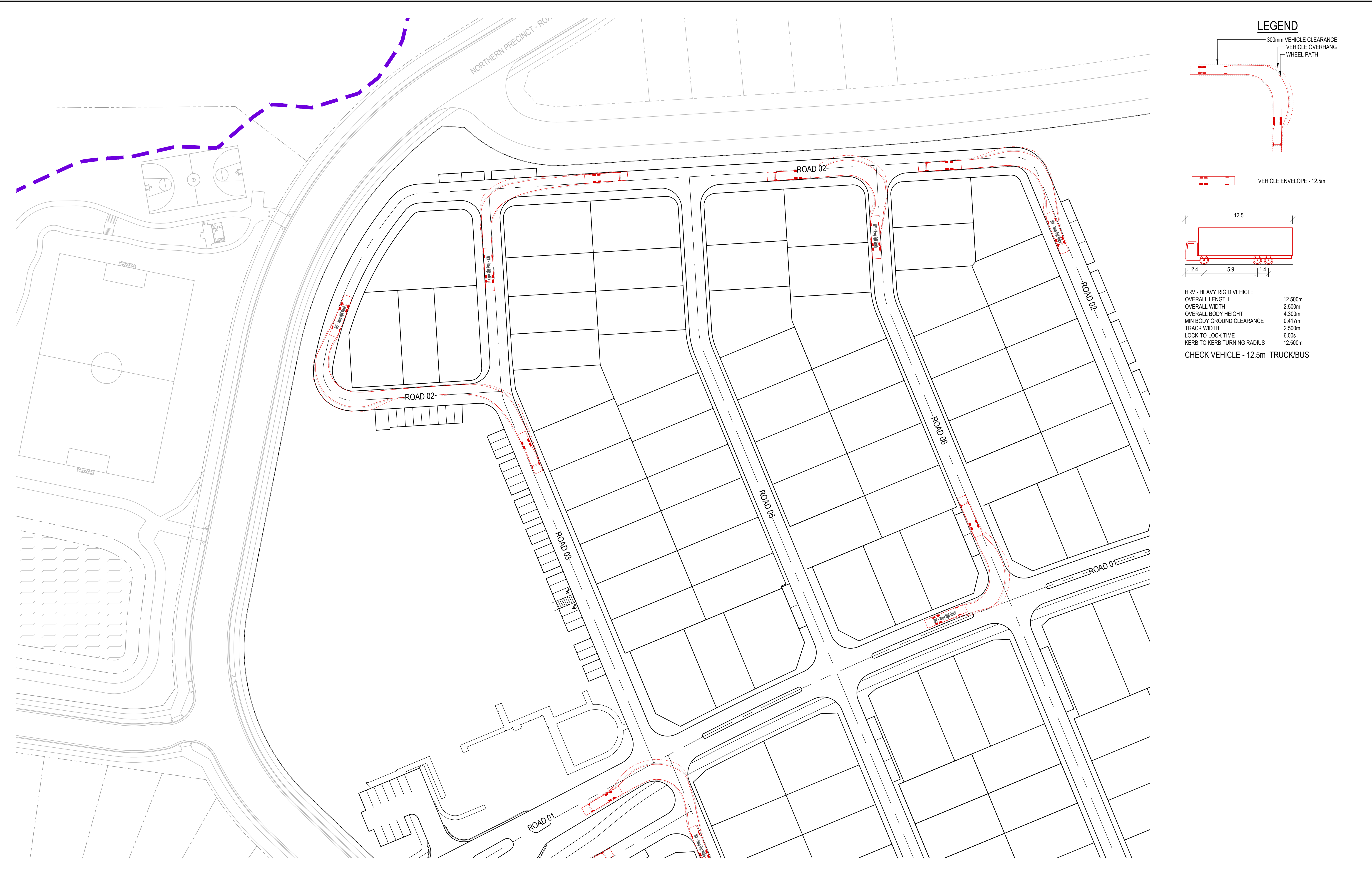
2	03.09.24	RE-ISSUED FOR APPROVAL	JJP	KJM
1	20.10.23	ISSUED FOR DA	CB	KJM
REV	DATE	DESCRIPTION	AMD BY	APP BY



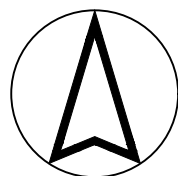
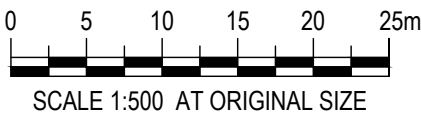
DRAWN: C.BALDWIN	DESIGNED: P.MCCANN
DRAFT CHECK: S.MCINNES	DESIGN CHECK: T.HOWE
APPROVED:	K.MACDONALD
NOT FOR CONSTRUCTION	

STOCKLAND FOREST REACH
HALCYON COMMUNITIES LLC PRECINCT
SWEEP PATH LAYOUT PLAN
DESIGN VEHICLES

DRAWING NUMBER MKR00256-13-C1703	SHEET No. 4 OF 4	ORIG. SIZE A1	REVISION 2
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2	03.09.24	RE-ISSUED FOR APPROVAL	JJP	KJM
1	20.10.23	ISSUED FOR DA	CB	KJM
REV	DATE	DESCRIPTION	AMD BY	APP BY



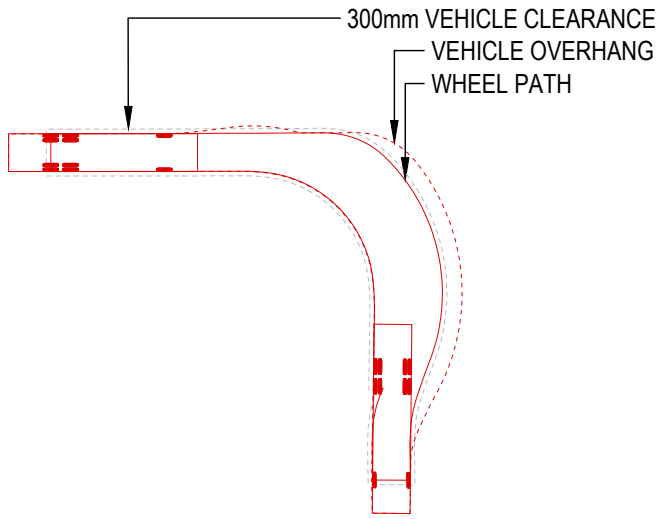
DRAWN: C.BALDWIN	DESIGNED: P.MCCANN
DRAFT CHECK: S.MCINNES	DESIGN CHECK: T.HOWE
APPROVED:	K.MACDONALD
NOT FOR CONSTRUCTION	

STOCKLAND FOREST REACH
HALCYON COMMUNITIES LLC PRECINCT
SWEEP PATH LAYOUT PLAN
CHECK VEHICLE

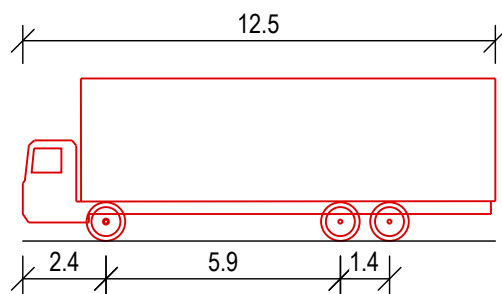
DRAWING NUMBER MKR00256-13-C1704	SHEET No. 1 OF 4	ORIG. SIZE A1	REVISION 2
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LEGEND



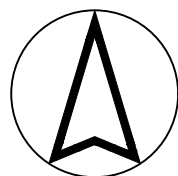
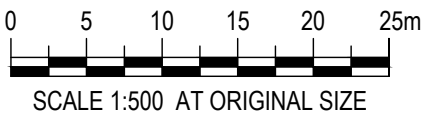
VEHICLE ENVELOPE - 12.5m



HRV - HEAVY RIGID VEHICLE	
OVERALL LENGTH	12.500m
OVERALL WIDTH	2.500m
OVERALL BODY HEIGHT	4.300m
MIN BODY GROUND CLEARANCE	0.417m
TRACK WIDTH	2.500m
LOCK-TO-LOCK TIME	6.00s
KERB TO KERB TURNING RADIUS	12.500m

CHECK VEHICLE - 12.5m TRUCK/BUS

2	03.09.24	RE-ISSUED FOR APPROVAL	JJP	KJM
1	20.10.23	ISSUED FOR DA	CB	KJM
REV	DATE	DESCRIPTION	AMD BY	APP BY



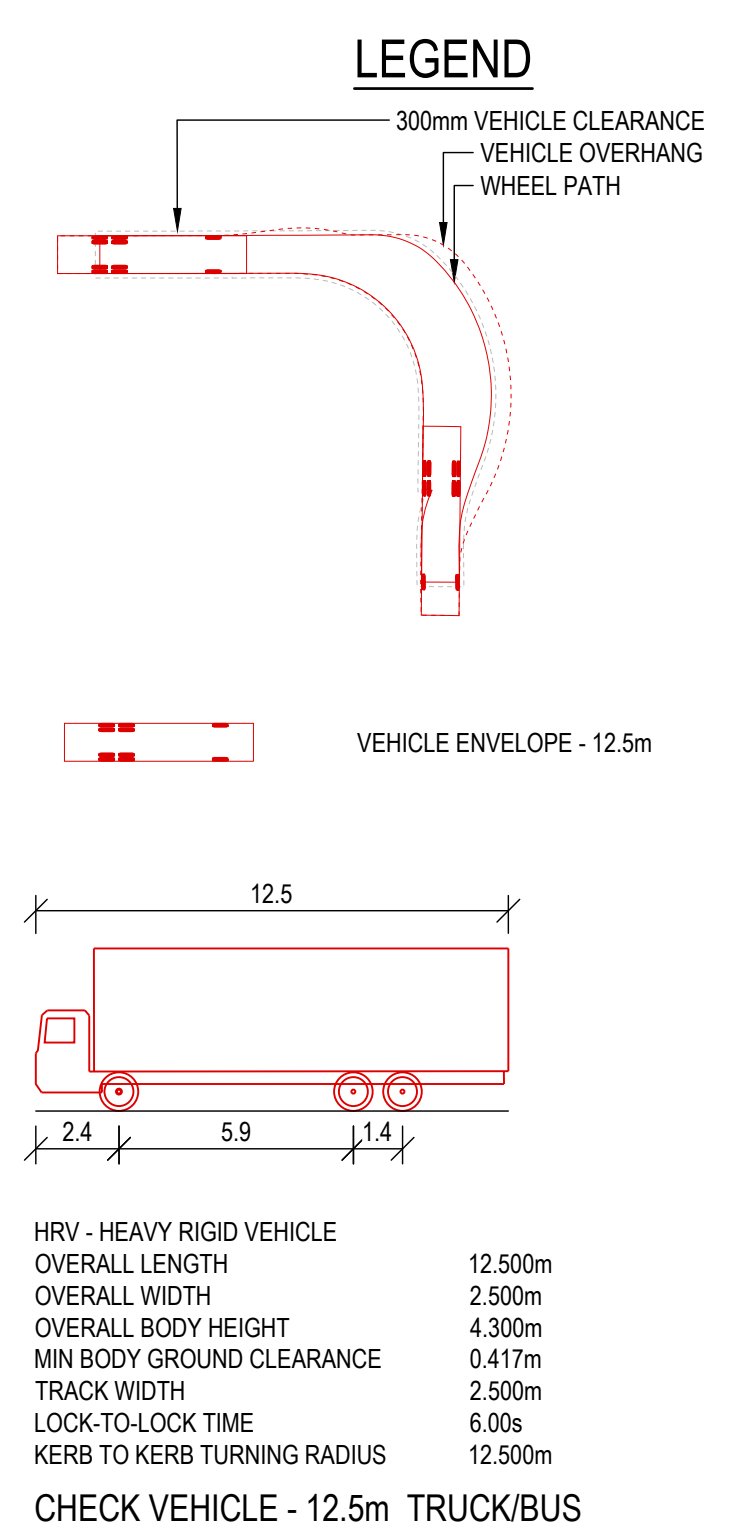
DRAWN: C.BALDWIN	DESIGNED: P.MCCANN
DRAFT CHECK: S.MCINNES	DESIGN CHECK: T.HOWE

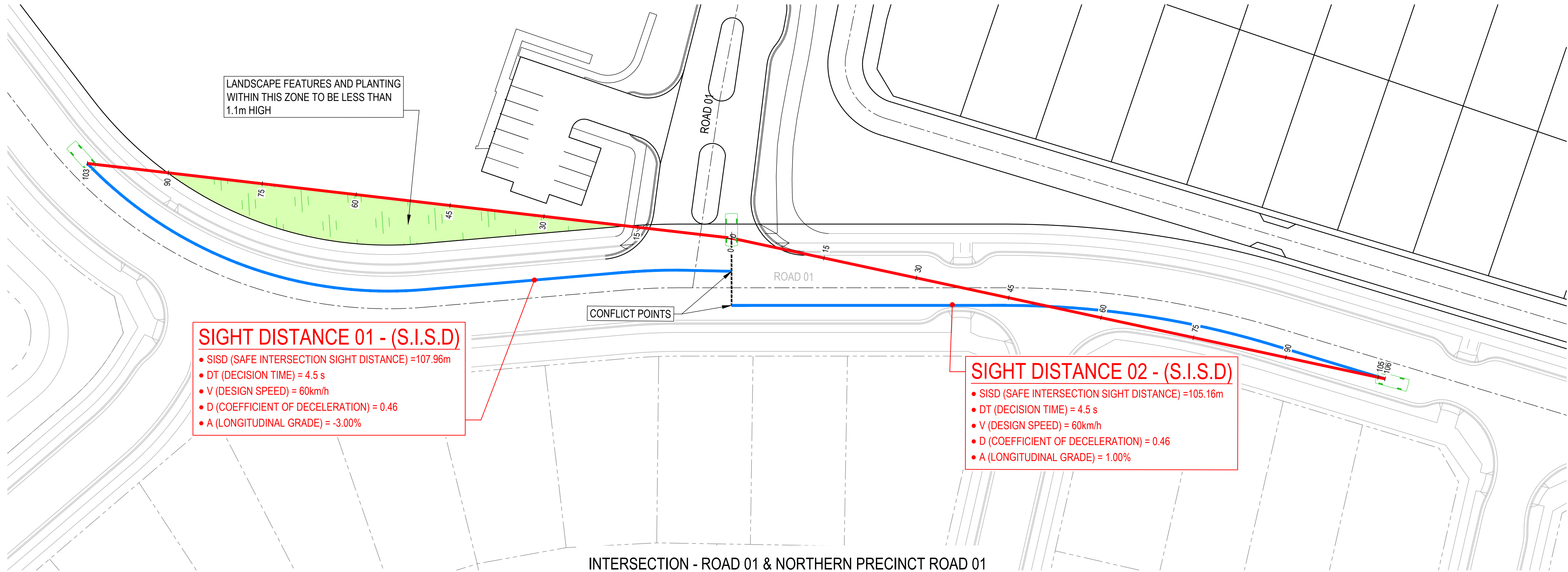
APPROVED: K.MACDONALD

NOT FOR CONSTRUCTION

STOCKLAND FOREST REACH
HALCYON COMMUNITIES LLC PRECINCT
SWEPT PATH LAYOUT PLAN
CHECK VEHICLE

DRAWING NUMBER MKR00256-13-C1705	SHEET No. 2 OF 4	ORIG. SIZE A1	REVISION 2
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[illegible]



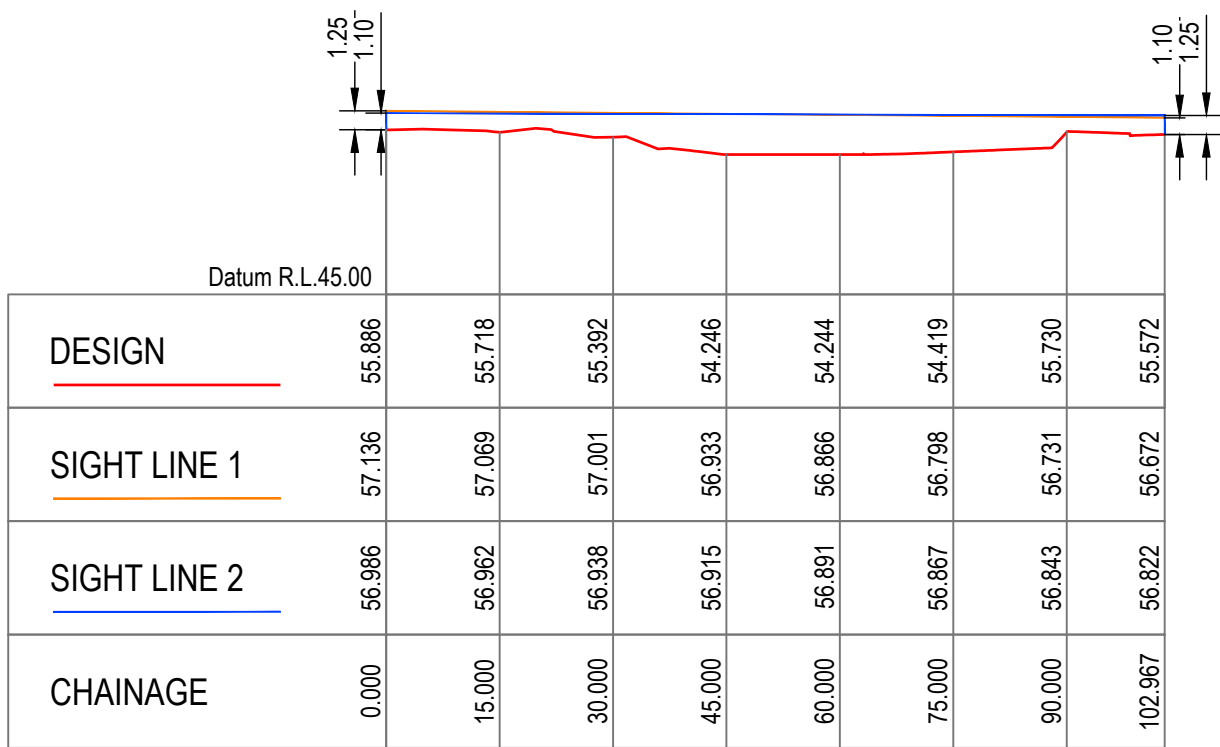
PROPOSED		LEGEND	
	MAJOR ROAD TRAVEL PATH		MINOR ROAD TRAVEL PATH
	LINE OF SIGHT		VEHICLE
	ROAD CENTRELINE		VERTICAL SIGHT LINE (1.25m to 1.10m)
	VERTICAL SIGHT LINE (1.10m to 1.25m)		LOT BOUNDARY
EXISTING			

SIGHT DISTANCE 01 - (S.I.S.D)

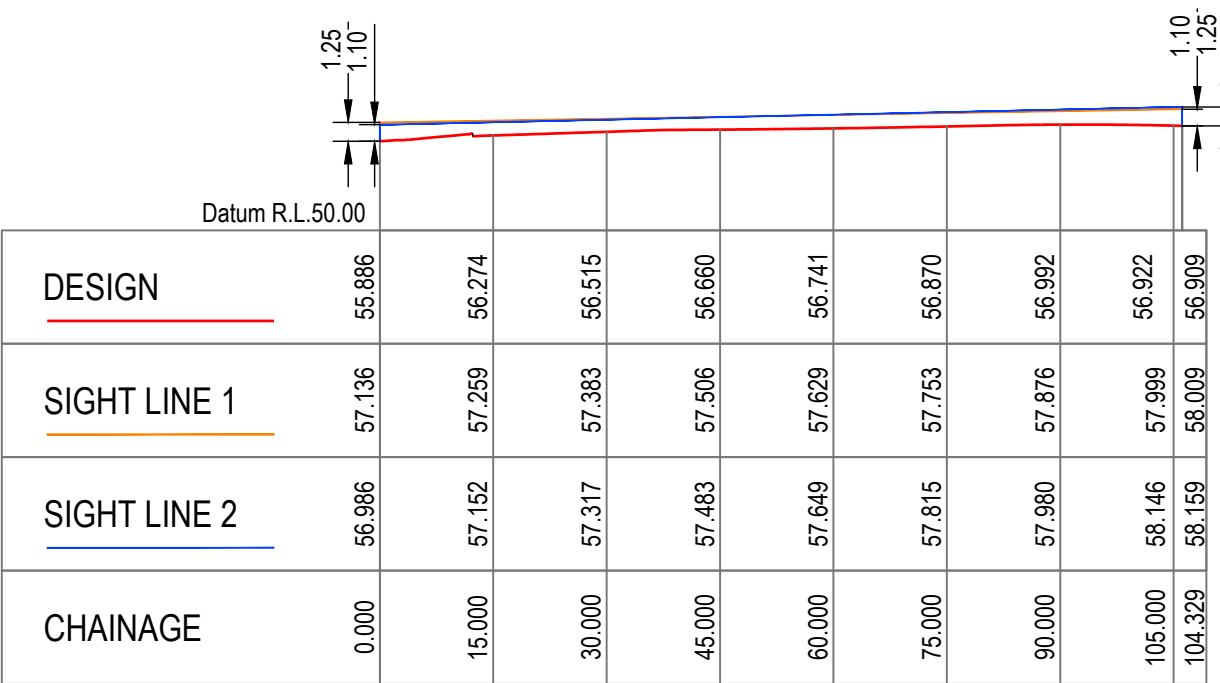
- **SISD (SAFE INTERSECTION SIGHT DISTANCE)** =107.96m
- **DT (DECISION TIME)** = 4.5 s
- **V (DESIGN SPEED)** = 60km/h
- **D (COEFFICIENT OF DECELERATION)** = 0.46
- **A (LONGITUDINAL GRADE)** = -3.00%

SIGHT DISTANCE 02 - (S.I.S.D)

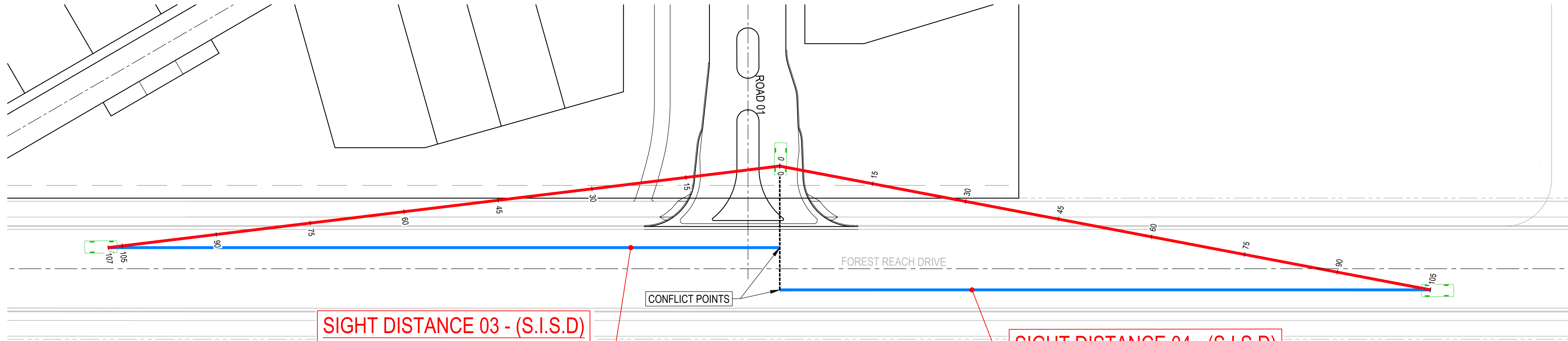
- **SISD (SAFE INTERSECTION SIGHT DISTANCE)** =105.16m
- **DT (DECISION TIME)** = 4.5 s
- **V (DESIGN SPEED)** = 60km/h
- **D (COEFFICIENT OF DECELERATION)** = 0.46
- **A (LONGITUDINAL GRADE)** = 1.00%



SIGHT DISTANCE 01
HOR 1:1000
VERT 1:500



SIGHT DISTANCE 02
HOR 1:1000
VERT 1:500



- PROPOSED
- MAJOR ROAD TRAVEL PATH
- MINOR ROAD TRAVEL PATH
- LINE OF SIGHT
- VEHICLE
- ROAD CENTRELINE
- VERTICAL SIGHT LINE (1.25m to 1.10m)
- VERTICAL SIGHT LINE (1.10m to 1.25m)
- EXISTING
- LOT BOUNDARY

SIGHT DISTANCE 03 - (S.I.S.D)

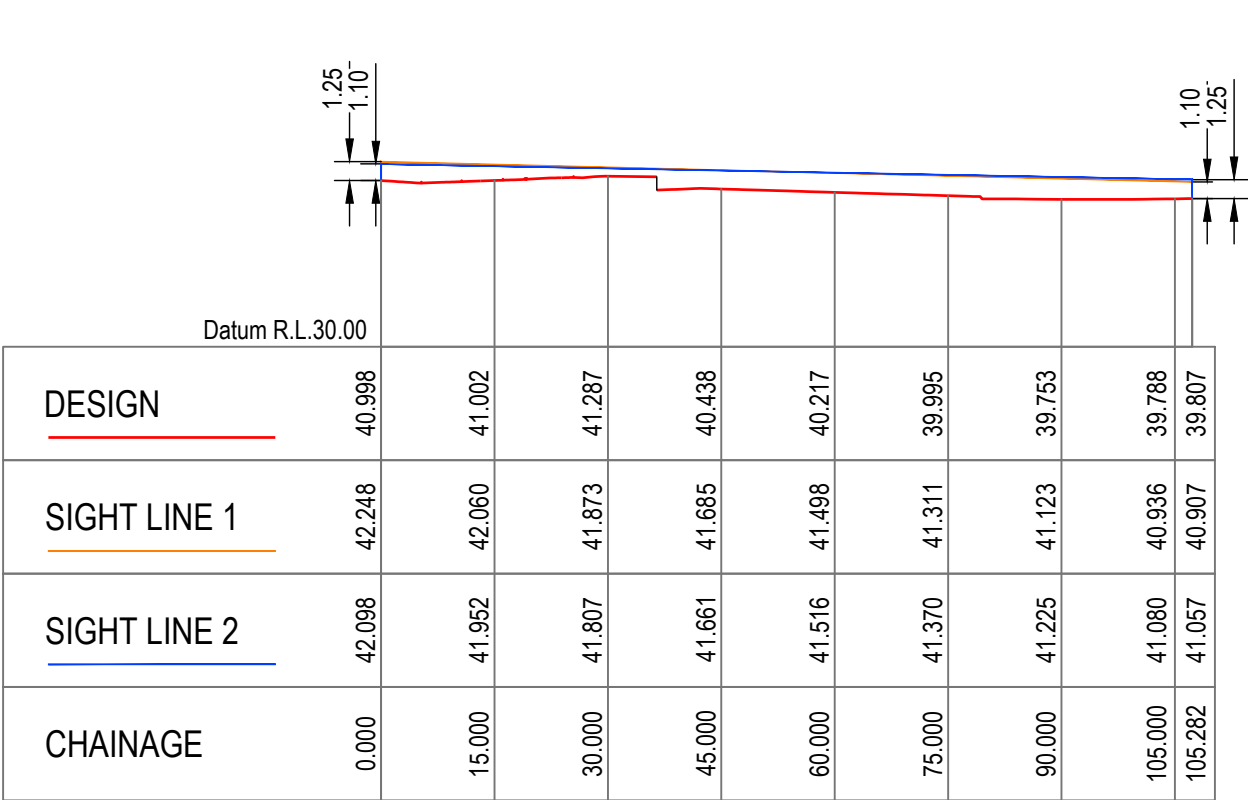
- SISD (SAFE INTERSECTION SIGHT DISTANCE) =106.50m
- DT (DECISION TIME) = 4.5 s
- V (DESIGN SPEED) = 60km/h
- D (COEFFICIENT OF DECELERATION) = 0.46
- A (LONGITUDINAL GRADE) = 1.00%

SIGHT DISTANCE 04 - (S.I.S.D)

- SISD (SAFE INTERSECTION SIGHT DISTANCE) =103.18m
- DT (DECISION TIME) = 4.5 s
- V (DESIGN SPEED) = 60km/h
- D (COEFFICIENT OF DECELERATION) = 0.46
- A (LONGITUDINAL GRADE) = -3.00%

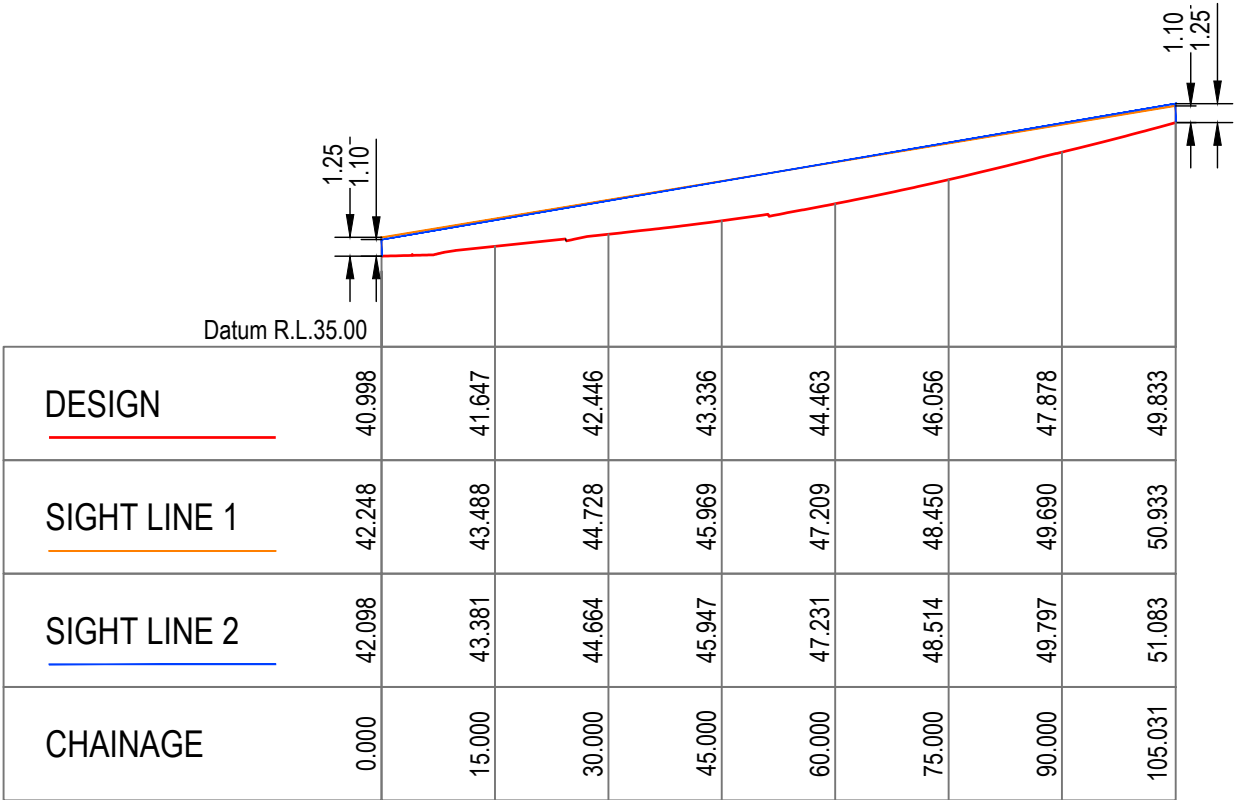
INTERSECTION - ROAD 01 & FOREST REACH DRIVE

SCALE 1:375



SIGHT DISTANCE 03

HOR 1:1000
VERT 1:500

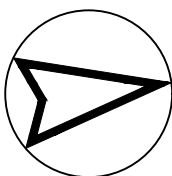


SIGHT DISTANCE 04

HOR 1:1000
VERT 1:500



HORIZONTAL 1:1000
AT ORIGINAL SIZE
VERTICAL 1:500
AT ORIGINAL SIZE



DRAWN: C.BALDWIN
DESIGNED: P.MCCANN
DRAFT CHECK: S.MCINNES
DESIGN CHECK: T.HOWE
APPROVED: K.MACDONALD
NOT FOR CONSTRUCTION

STOCKLAND FOREST REACH
HALCYON COMMUNITIES LLC PRECINCT
SIGHT LINES

DRAWING NUMBER MKR00256-13-C1801
SHEET No. 2 OF 2
ORIG. SIZE A1
REVISION 2

REV	DATE	DESCRIPTION	AMD BY	APP BY
2	03.09.24	RE-ISSUED FOR APPROVAL	JJP	KJM
1	20.10.23	ISSUED FOR DA	CB	KJM

