

OFFICER CENTRAL STAGE 11 YOURLAND PTY LTD

GENERAL NOTES:

SURVEY

- ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM AND ALL COORDINATES ARE TO MAP GRID OF AUSTRALIA (MGA) 94, ZONE 55.
- ALL EXISTING SURFACE LEVELS SHOWN ON THE ENGINEERING DRAWINGS HAVE BEEN INTERPOLATED FROM A DIGITAL TERRAIN MODEL. THESE LEVELS HAVE BEEN USED AS THE BASIS FOR ALL ENGINEERING DESIGN AND DETERMINATION OF QUANTITIES AND ARE ACCURATE TO WITHIN $\pm 0.05m$.
- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH AS2124-1992 GENERAL CONDITIONS OF CONTRACT, THE ROAD & DRAINAGE SPECIFICATION, APPROVED MUNICIPALITY SPECIFICATIONS AND STANDARD DRAWINGS AND TO THE SATISFACTION OF THE SUPERINTENDENT AND THE MUNICIPAL ENGINEER OR HIS REPRESENTATIVE.
- ROAD CHAINAGES REFER TO ROAD CENTRELINES. CHAINAGES FOR INTERSECTIONS AND CUL-DE-SACS REFER TO THE LIP OF KERB.

EARTHWORKS

- THE LOCATION OF EXISTING SERVICES SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCING ANY EXCAVATION BY CONTACTING ALL LOCAL SERVICE AUTHORITIES. ANY EXISTING SERVICES SHOWN ON THESE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT.
- WHERE REQUIRED ANY BUILDINGS, TROUGHS, FENCES AND OTHER STRUCTURES ON SITE ARE TO BE REMOVED AS DIRECTED BY THE ENGINEER. THE COST OF REMOVAL IS TO BE INCLUDED IN THE OVERALL EARTHWORKS FIGURE UNLESS A SPECIFIC ITEM FOR REMOVAL IS DENOTED IN THE SCHEDULE.
- ALL EXCAVATED ROCK AND SURPLUS SPOIL TO BE REMOVED AND DISPOSED OFF SITE UNLESS NOTED OTHERWISE.
- ALL FILLING ON LOTS AND WITHIN ROAD RESERVES GREATER THAN 200mm IS TO BE UNDERTAKEN USING LEVEL 1 SUPERVISION AND BE COMPLETED IN ACCORDANCE WITH AS 3798-2007. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND REPLACED WITH TOPSOIL (WHERE REQUIRED) TO OBTAIN THE FINAL LEVELS SHOWN ON THE DRAWINGS.

- FILLING MATERIAL IS TO BE IN ACCORDANCE WITH THE SPECIFICATION, AS 3798-2007 & TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT.
- ALL BATTERS SHALL BE 1:6, UNLESS OTHERWISE SHOWN.
- NO FILL OR STOCKPILING OF MATERIAL IS TO BE PLACED ON ANY RESERVE FOR PUBLIC OPEN SPACE UNLESS OTHERWISE DIRECTED OR APPROVED BY THE SUPERINTENDENT.
- TBM'S TO BE RE-ESTABLISHED BY THE LICENSED SURVEYOR IF FOUND TO BE MISSING AT THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR CARE AND MAINTENANCE OF T.B.M.'S THEREAFTER.
- AT LEAST 3 DAYS PRIOR TO COMMENCING WORK ON EXCAVATIONS IN EXCESS OF 150m DEEP, A NOTIFICATION FORM MUST BE SENT TO WORKSAFE. THE CONTRACTOR IS TO COMPLY WITH WORKSAFE, THE MINES (TRENCHES) REGULATION 1982, THE MINES ACT 1958 AND OCCUPATIONAL HEALTH AND SAFETY ACT 1985, 2004.

- ALL SERVICE TRENCHES UNDER DRIVEWAYS, FOOTPATHS AND PARKING BAYS TO BE BACKFILLED WITH CLASS 2 CRUSHED ROCK. SERVICE TRENCHES LESS THAN 750mm BEHIND KERB AND CHANNEL OR PAVED TRAFFIC AREAS ARE ALSO TO BE BACKFILLED WITH COMPACTED CLASS 2 CRUSHED ROCK.
- WHERE REQUIRED, ALL EXISTING DAMS, DEPRESSIONS AND DRAINS ARE TO BE BREACHED. DRAINED, DESLUDGED AND SHALL BE EXCAVATED TO A CLEAN FIRM BASE. THE SURFACE SHALL BE INSPECTED, APPROVED AND LEVELLED BY THE ENGINEER PRIOR TO COMMENCEMENT OF FILLING. THE FILL SHALL BE APPROVED SELECTED ON SITE MATERIAL OR APPROVED IMPORTED MATERIAL. THE FILL SHALL BE PLACED UNDER CONTROLLED MOISTURE CONDITIONS IN ACCORDANCE WITH THE SPECIFICATION.
- NO BLASTING TO BE CARRIED OUT WITHIN THE MUNICIPALITY WITHOUT OBTAINING COUNCILS PERMISSION.

SERVICES

- GAS AND WATER CONDUITS ARE TO BE, $\varnothing 50mm$, CLASS 12 P.V.C. - SINGLE SERVICE $\varnothing 100mm$, CLASS 12 P.V.C. - DUAL SERVICE (DRINKING AND NON DRINKING WATER)

WITH THE FOLLOWING MINIMUM COVER TO FINISHED SURFACE LEVELS:
ROAD PAVEMENT - 0.80m
VERGE, FOOTPATHS - 0.45m

LOCATION OF THE CONDUITS TO BE MARKED ON THE FACE OF KERB ON EACH SIDE OF THE ROAD WITH A 50mm HIGH LETTER (G FOR GAS, W FOR WATER, E FOR ELECTRICITY AND T FOR TELECOMMUNICATIONS).

- ALL SERVICE CONDUIT TRENCHES UNDER ROAD PAVEMENTS TO BE BACKFILLED IN ACCORDANCE WITH RELEVANT MUNICIPALITY OR ROAD AUTHORITY SPECIFICATION.

STORM WATER DRAINAGE

- AG/SUBSOIL DRAIN TO BE LAID BEHIND KERB WHERE REQUIRED IN ACCORDANCE WITH THE COUNCIL STANDARD DRAWINGS AND CONNECTED TO UNDERGROUND DRAINAGE.
- ALL STORMWATER DRAINS ARE TO BE CLASS '2' R.C. PIPES UNLESS OTHERWISE SHOWN. ALL R.C. JOINTS ARE TO BE RUBBER RING JOINTED (R.R.J) UNLESS OTHERWISE SHOWN
- CENTRELINES OF ALL EASEMENT DRAINS ARE OFFSET 10m OR 2.3m (WHERE OUTSIDE OF SEWER) FROM THE PROPERTY LINE UNLESS SHOWN OTHERWISE.

CONSENT FOR CONSTRUCTION
CARDINIA SHIRE COUNCIL
Ref No.: S23-073 - T220246
Sheet: 1 of 17
Approved by: Vithu Vijayakumar
CARDINIA SHIRE COUNCIL
Date: Friday, 12 April 2024

LEGEND

EXISTING	PROPOSED
WATER MAIN, VALVE AND HYDRANT	DW
WATER RECYCLED	NDW
UNDERGROUND ELECTRICITY	E
OVERHEAD ELECTRICITY & POLE	OE
TELECOMMUNICATIONS & SERVICE PIT	T
OPTIC FIBRE	OF
OVERHEAD TELECOMMUNICATIONS	OT
GAS MAIN	G
BRANCH SEWER & MAINTENANCE STRUCTURE	S
SEWER & MAINTENANCE STRUCTURE	SRM
SEWER RISING MAIN	S
CENTRAL INVERT	SRM
COUNCIL STORMWATER DRAIN AND PIT	>
STORM WATER DRAINAGE PROPERTY INLETS	●
COUNCIL STORM WATER PITS	■
HOUSE DRAIN	H
AG DRAIN AND FLUSHER	AG
MWC STORM WATER DRAIN & PIT	●
MWC STORM WATER PITS	■
STORM WATER DRAINAGE PIT NUMBER	Ex.47
GAS & WATER CONDUITS	GW
CONCRETE VEHICLE CROSSING	Ex.47
RIDGE / CHANGE OF GRADE LINE	169.00
SURFACE CONTOUR MINOR	168.90
SURFACE CONTOUR MAJOR	168.90
SURFACE LEVEL	E123.45
BATTER LEVEL (TOP / TOE)	T124.80
RETAINING WALL LEVEL (TOP/BOTTOM)	TW112.76
EARTHWORKS GRADE	1:150
SIGN AND POST	●
LIGHT & POLE (BY OTHERS)	●
STREET SIGN	●
PERMANENT SURVEY MARK	●
TEMPORARY BENCH MARK	●
BOLLARD	●
ROAD CHAINAGES	CH116.57 (L/R)TP
LOT CHAINAGES	CH116.57 (R)TP
SETOUT POINT	CH20.06
LIMIT OF WORKS	CH20.06
BATTER	CH20.06
EXCAVATION GREATER THAN 0.20m	CH20.06
FILLING GREATER THAN 0.20m	CH20.06
ROCK BEACHING	CH20.06
RETAINING WALL	CH20.06
FENCE - TREE PROTECTION	CH20.06
FENCE - VEHICLE EXCLUSION	CH20.06
FENCES	CH20.06
GUARD RAIL	CH20.06
TREE (& SURVEYED CANOPY) TO BE RETAINED	CH20.06
TREE TO BE PROTECTED	CH20.06
TREE TO BE REMOVED	CH20.06
VEGETATION LINE	CH20.06
FOOTPATH	CH20.06
TACTILE GROUND SURFACE INDICATOR	CH20.06
KERB TRANSITION	CH20.06



BEFORE
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Zero Damage - Zero Harm

WARNING

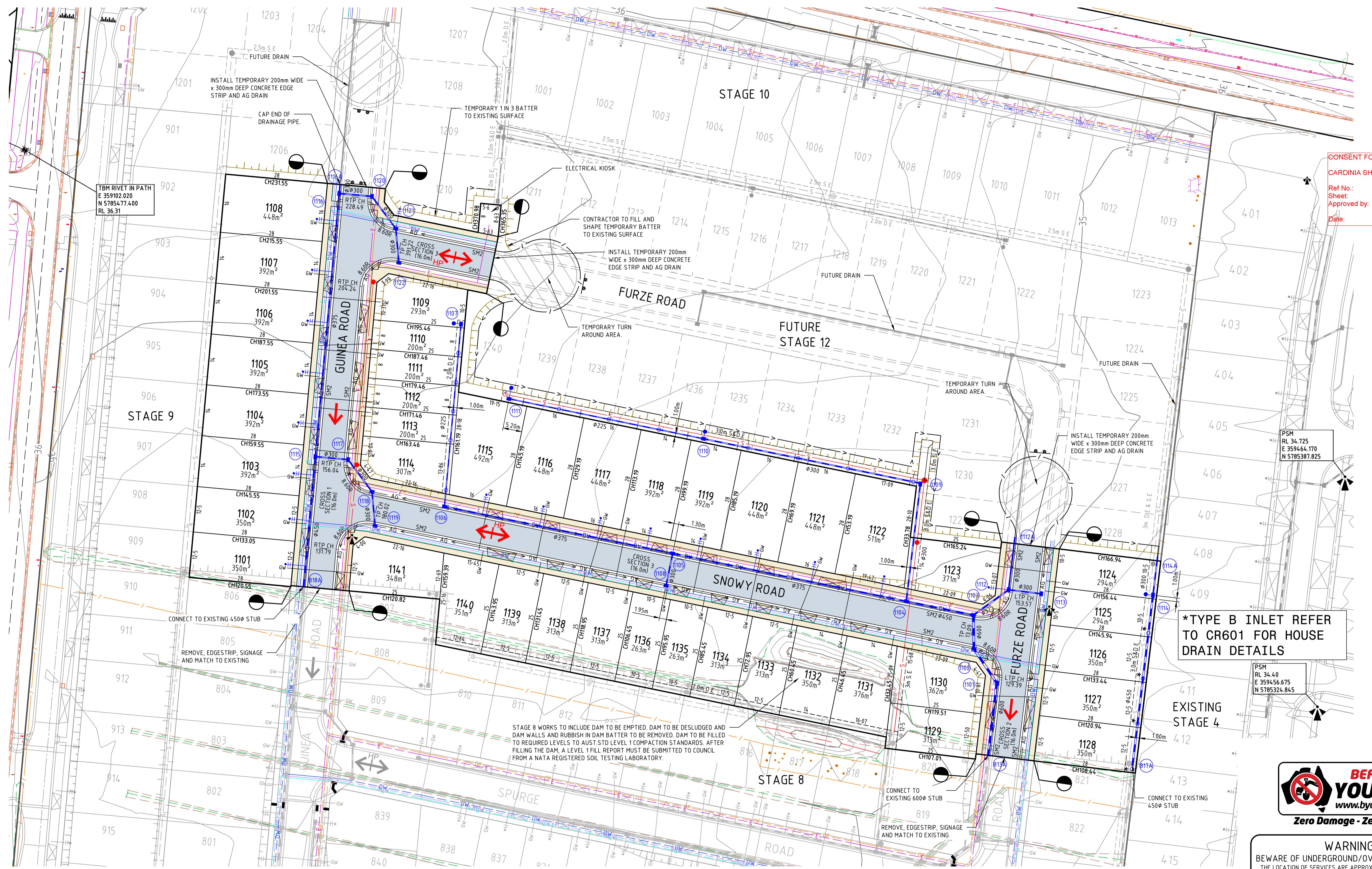
BEWARE OF UNDERGROUND/OVERHEAD SERVICES
THE LOCATION OF SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. SPECIAL CONSIDERATION SHOULD BE GIVEN TO CONSTRUCTION PROCEDURES UNDER OVERHEAD ELECTRICITY TRANSMISSION LINES.

Designed
D.PRATT
Approved
B.IBBS - PE0007167
Authorised
B.WAREHAM
Checked
Date
JANUARY 2024

OFFICER CENTRAL
STAGE 11
ROAD AND DRAINAGE
GENERAL NOTES
CARDINIA SHIRE
YOURLAND PTY LTD
Drg No
Rev
PRELIMINARY 310310CR100 A

N
MGA 94
ZONE 55

CONSENT FOR CONSTRUCTION
CARDINIA SHIRE COUNCIL
Ref No.: S23-073 - T220246
Sheet: 2 of 17
Approved by: Vilhu Vijayakumar
CARDINIA SHIRE COUNCIL
Date: Friday, 12 April 2024



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A	PRELIMINARY ISSUE	B.W	29/01/24
Rev	Amendments	Approved	Date

Scale
H 1:500
SCALE @ A1 0 5 10 15 20 25



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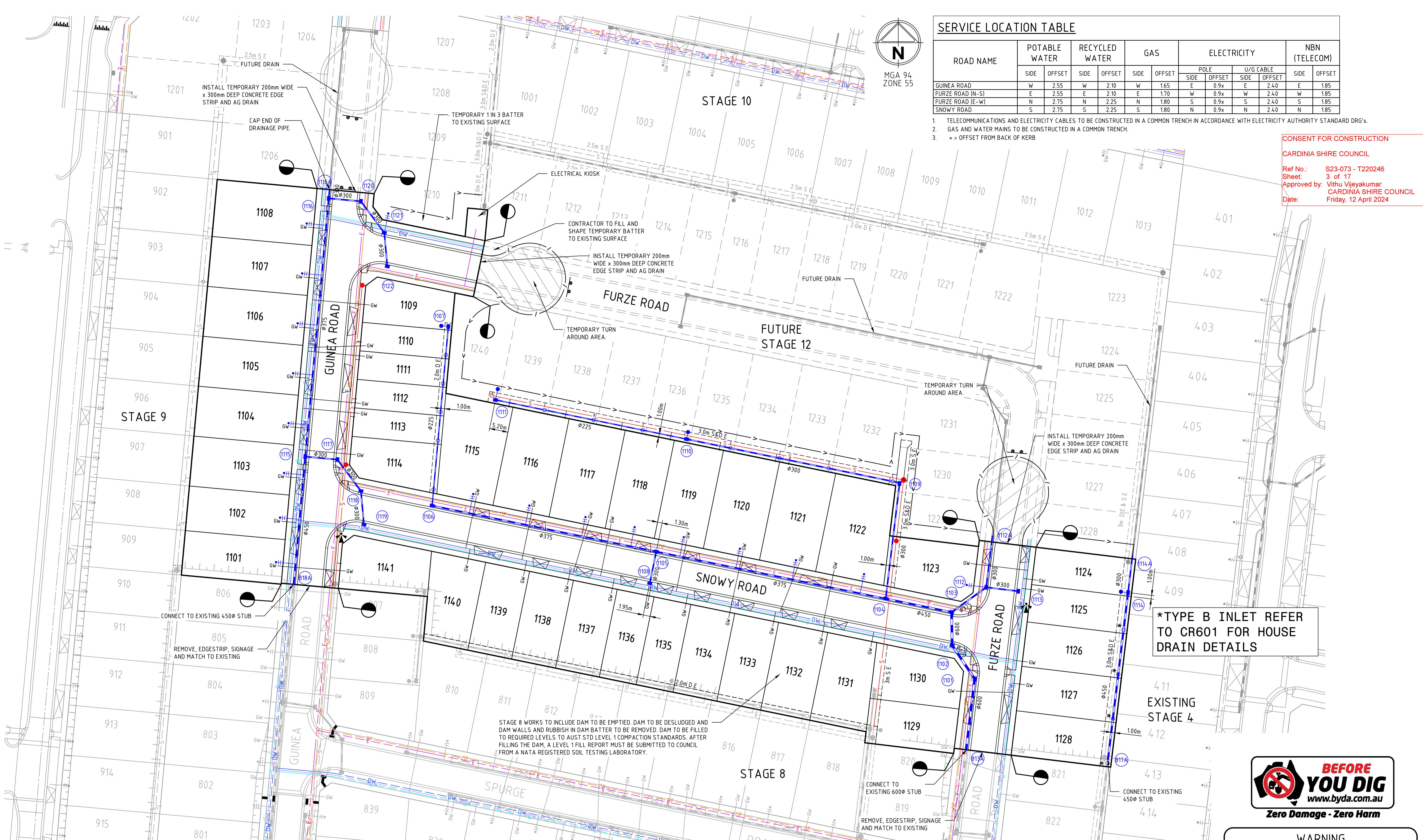
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Checked
B.IBBS - PE0007167
Authorised
B.WAREHAM
Date
JANUARY 2024

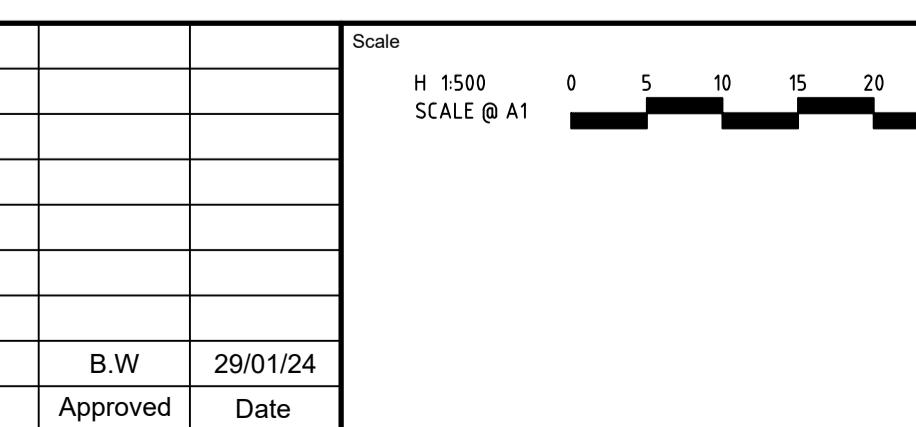
OFFICER CENTRAL
STAGE 11
ROAD AND DRAINAGE
ROAD LAYOUT PLANS - FACE PLAN
CARDINIA SHIRE
YOURLAND PTY LTD

PRELIMINARY
310310CR200

Rev
A



A	PRELIMINARY ISSUE	B.W	29/01/24
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Designed D.PRATT Checked B.IBBS - PE0007167
Authorised B.WAREHAM Date JANUARY 2024

OFFICER CENTRAL STAGE 11
ROAD AND DRAINAGE ROAD LAYOUT PLANS - SERVICES PLAN
CARDINIA SHIRE YOURLAND PTY LTD

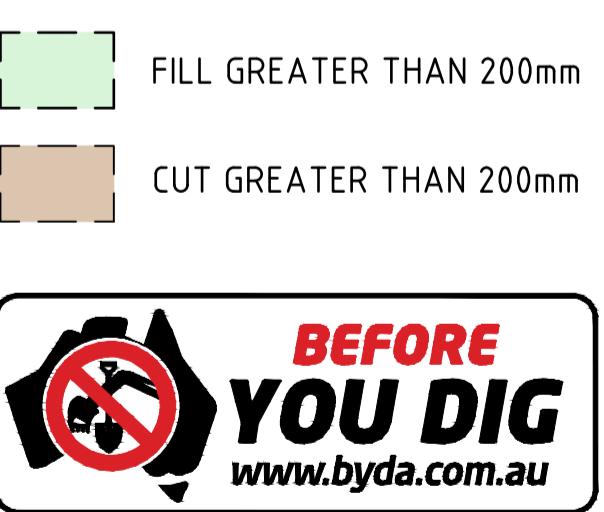
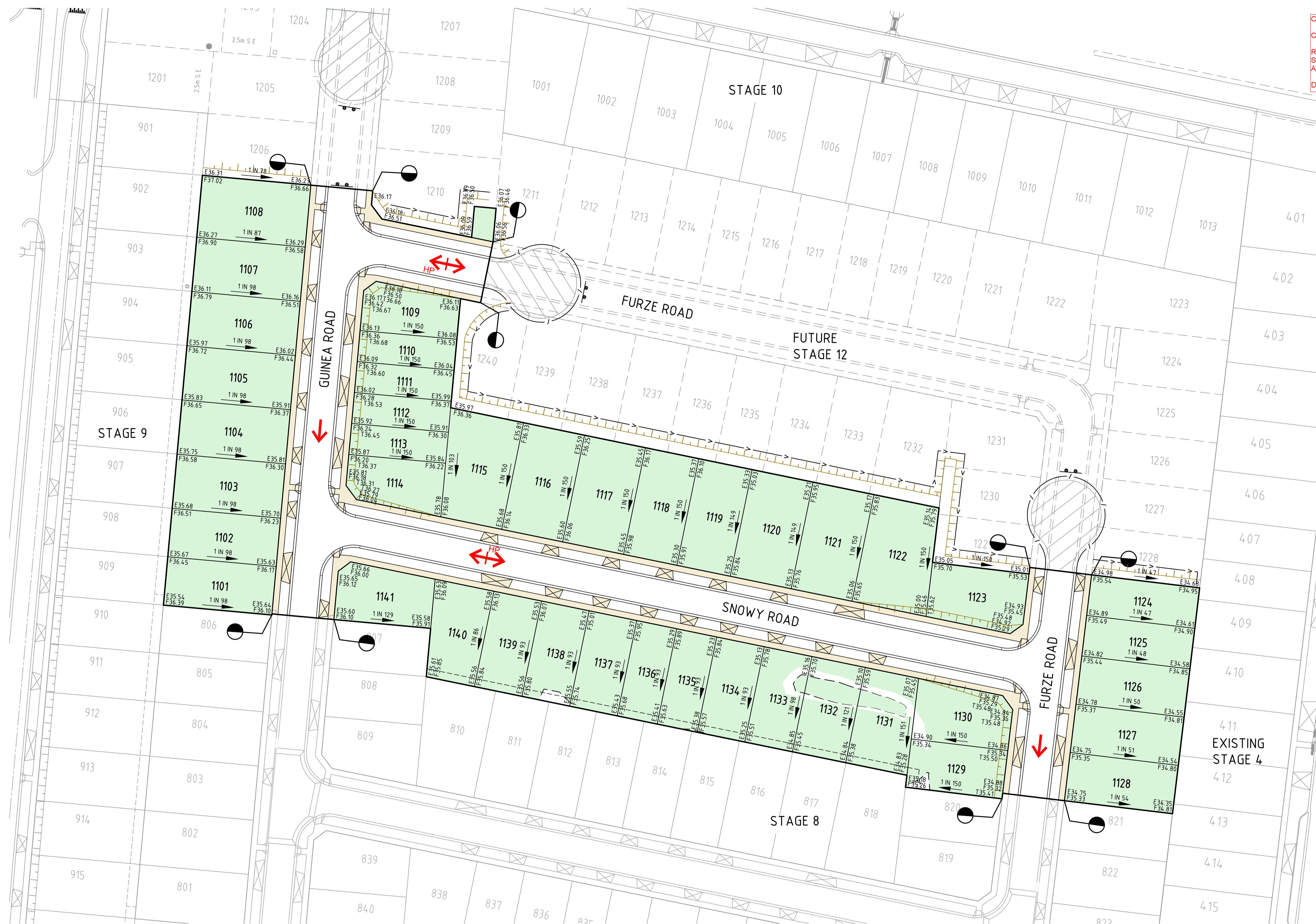
PRELIMINARY 310310CR201



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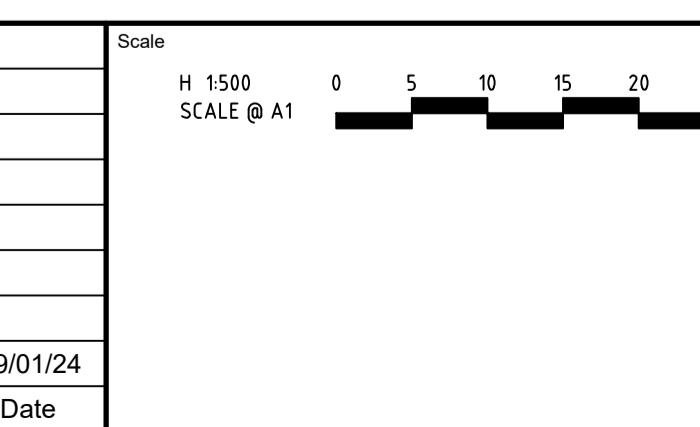
CONSENT FOR CONSTRUCTION
CARDINIA SHIRE COUNCIL
Ref No.: S23-073 - T220246
Sheet: 4 of 17
Approved by: Vithu Vijeyakumar
CARDINIA SHIRE COUNCIL
Date: Friday, 12 April 2024

N
MGA 94
ZONE 55



WARNING
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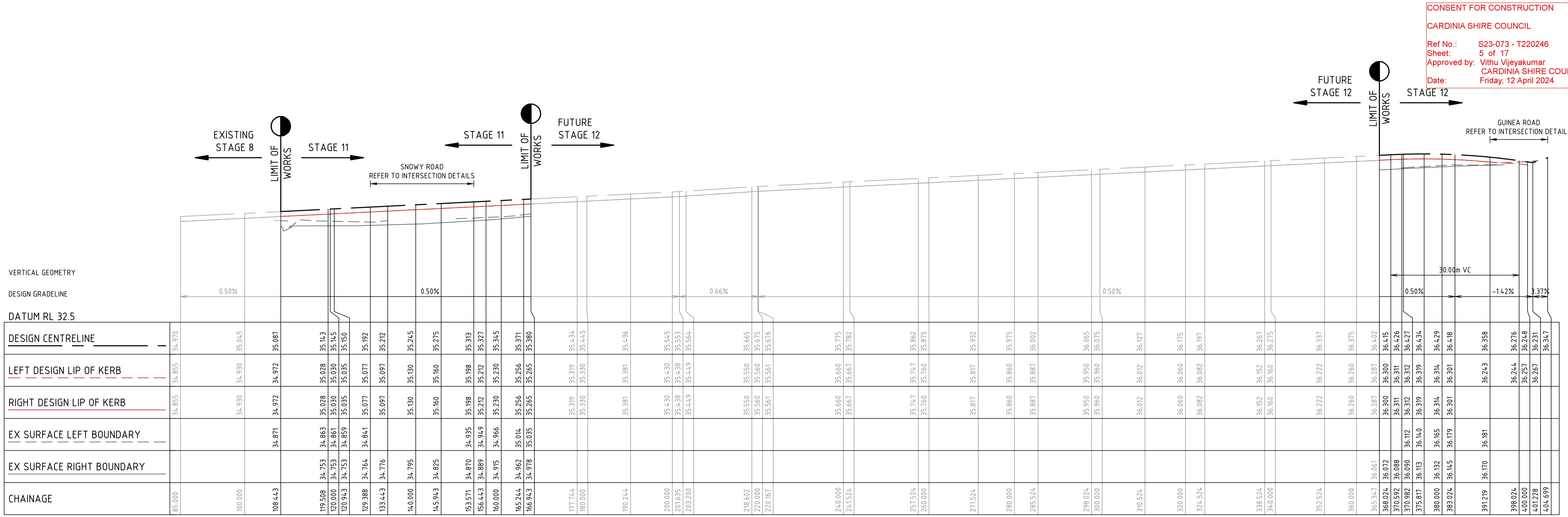
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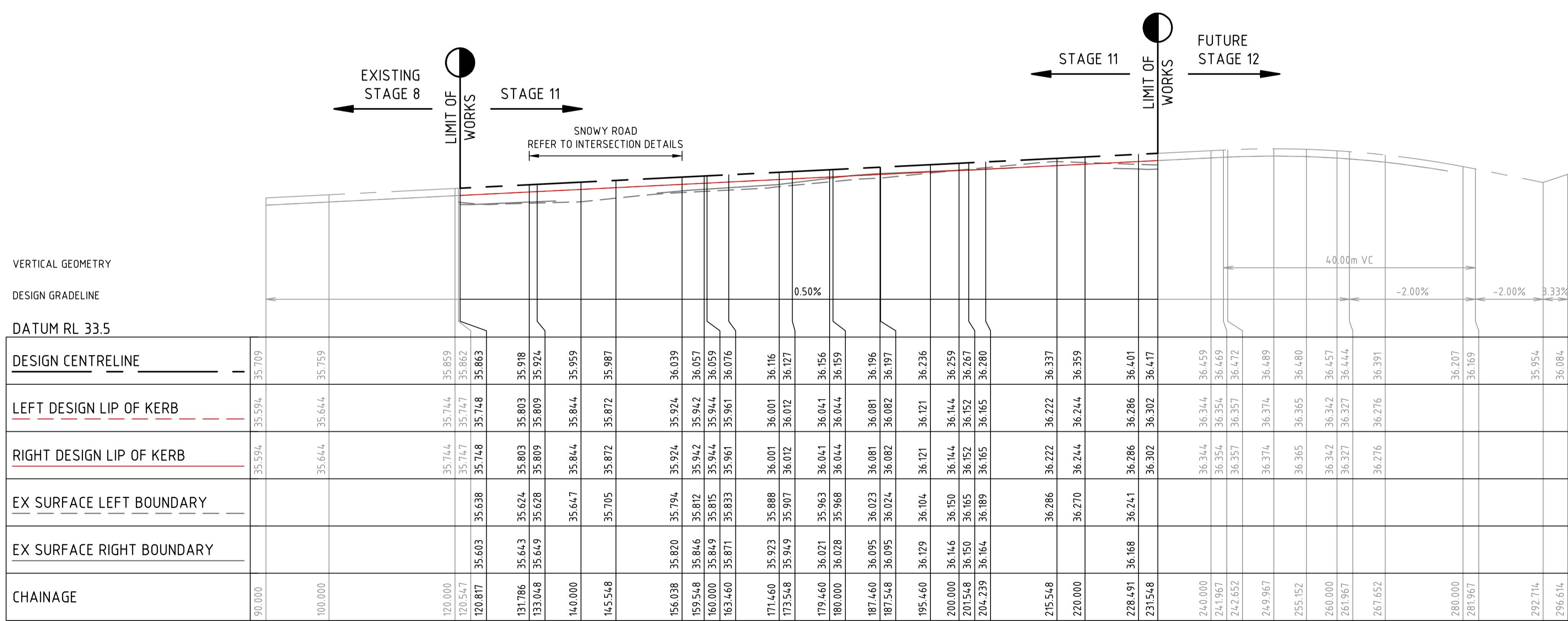
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B.IBBS - PE0007167
Date
JANUARY 2024

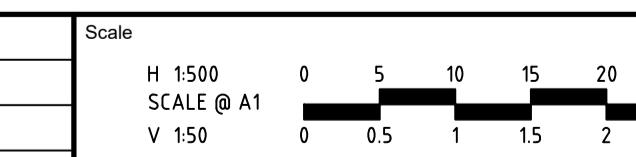
OFFICER CENTRAL
STAGE 11
ROAD AND DRAINAGE
ROAD LAYOUT PLANS - EARTHWORKS PLAN
CARDINIA SHIRE
YOURLAND PTY LTD
PRELIMINARY 310310CR202



FURZE ROAD



GUINEA ROAD



Three circular certification logos are displayed in a row. The first logo on the left is red with a five-pointed star in the center. The text 'ISO 9001 certified' is written around the star. The second logo in the middle is yellow with a five-pointed star in the center. The text 'ISO 45001 certified' is written around the star. The third logo on the right is green with a five-pointed star in the center. The text 'ISO 14001 certified' is written around the star.

System Certified

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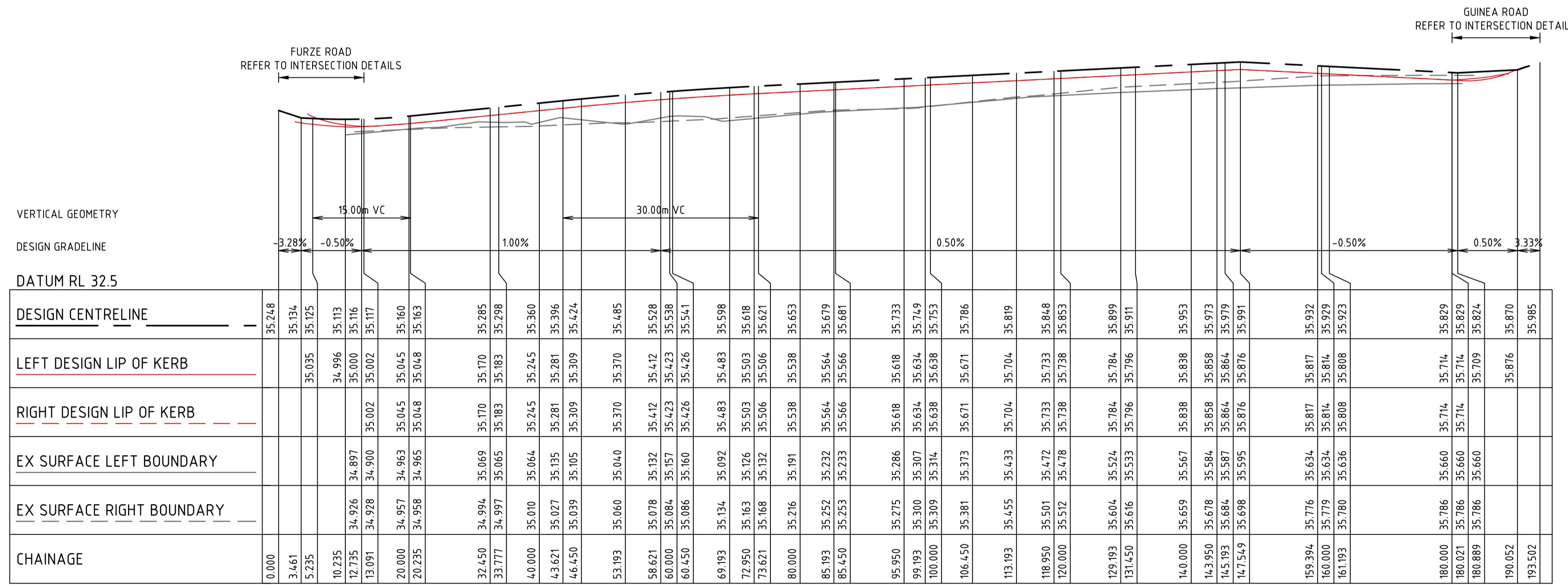
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Authorised	Date
B.WAREHAM	JANUARY 2024

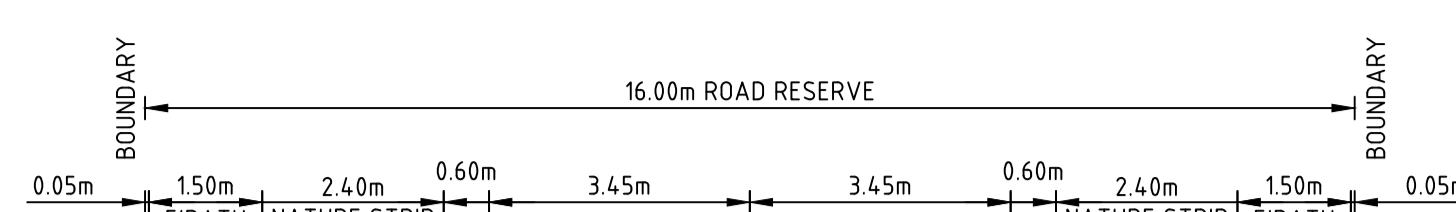
**OFFICER CENTRAL
STAGE 11
ROAD AND DRAINAGE
ROAD LONG SECTIONS - SHEET 1
GARDINIA SHIRE
OURLAND PTY LTD**

PRELIMINARY Drg No **310310CR300**



FILLING NOTE
ALL FILLING WITHIN ROAD RESERVES IS TO BE UNDERTAKEN USING LEVEL 1 SUPERVISION AND BE COMPLETED IN ACCORDANCE WITH AS 3798-2007 AND TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND REPLACED WITH TOPSOIL (WHERE REQUIRED) TO OBTAIN THE FINAL LEVELS SHOWN ON THE DRAWINGS.

CONSENT FOR CONSTRUCTION
CARDINIA SHIRE COUNCIL
Ref No.: S23-073 - T220246
Sheet: 7 of 17
Approved by: Vilhu Vijeyakumar
CARDINIA SHIRE COUNCIL
Date: Friday, 12 April 2024



DATUM RL.34.0

DESIGN SURFACE LEVEL	
EXISTING SURFACE LEVEL	
OFFSET	

FURZE ROAD

CH 166.94

DATUM RL.34.0

DESIGN SURFACE LEVEL	
EXISTING SURFACE LEVEL	
OFFSET	

FURZE ROAD

CH 153.57

DATUM RL.34.0

DESIGN SURFACE LEVEL	
EXISTING SURFACE LEVEL	
OFFSET	

FURZE ROAD

CH 129.39

DATUM RL.33.0

DESIGN SURFACE LEVEL	
EXISTING SURFACE LEVEL	
OFFSET	

FURZE ROAD

CH 108.44

Scale
H 1:100
SCALE @ A1 0 1 2 3 4 5
V 1:50 0 0.5 1 1.5 2 2.5

dc/s ISO 9001:2015
AS/NZS ISO 45001:2018
AS/NZS ISO 14001:2015
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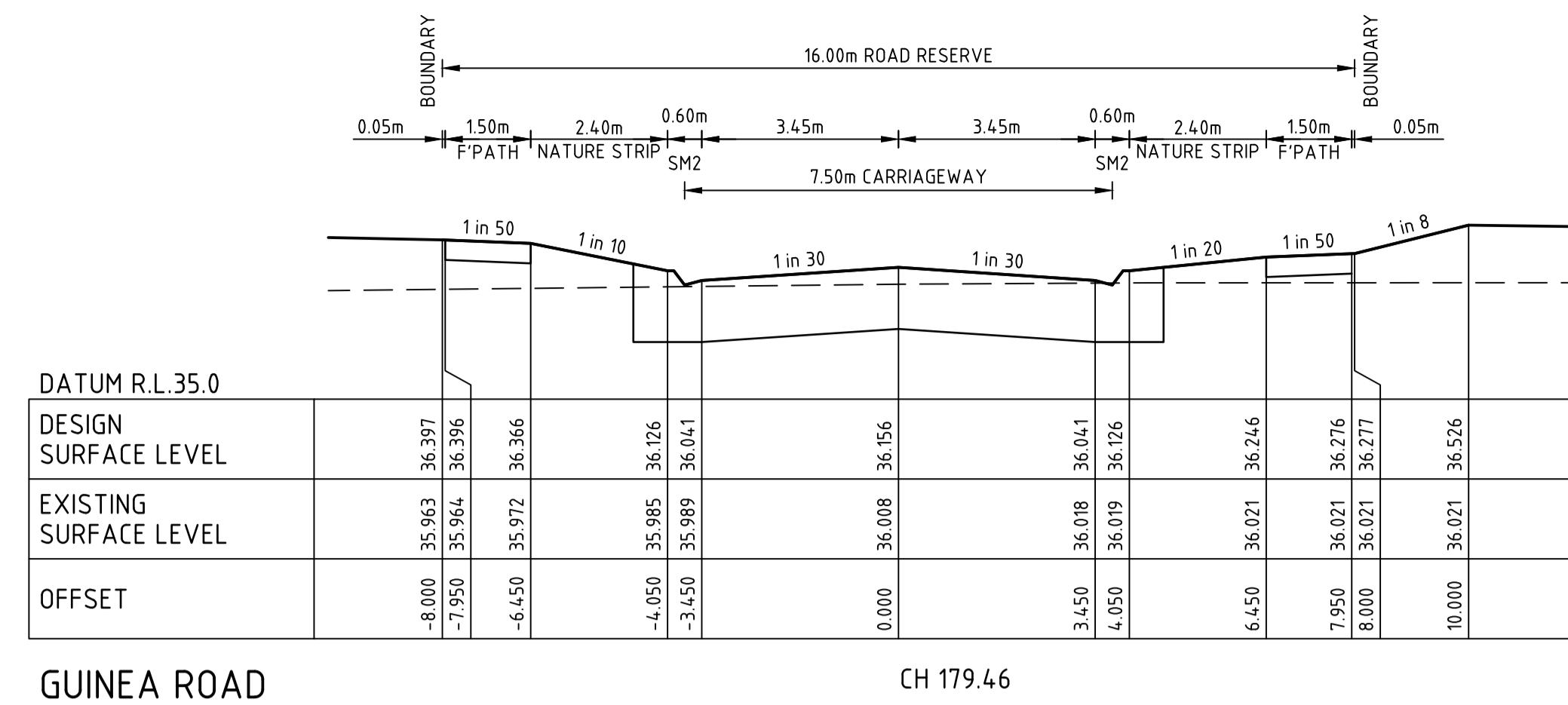
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JANUARY 2024

OFFICER CENTRAL STAGE 11
ROAD AND DRAINAGE ROAD CROSS SECTIONS - SHEET 1
CARDINIA SHIRE YOURLAND PTY LTD

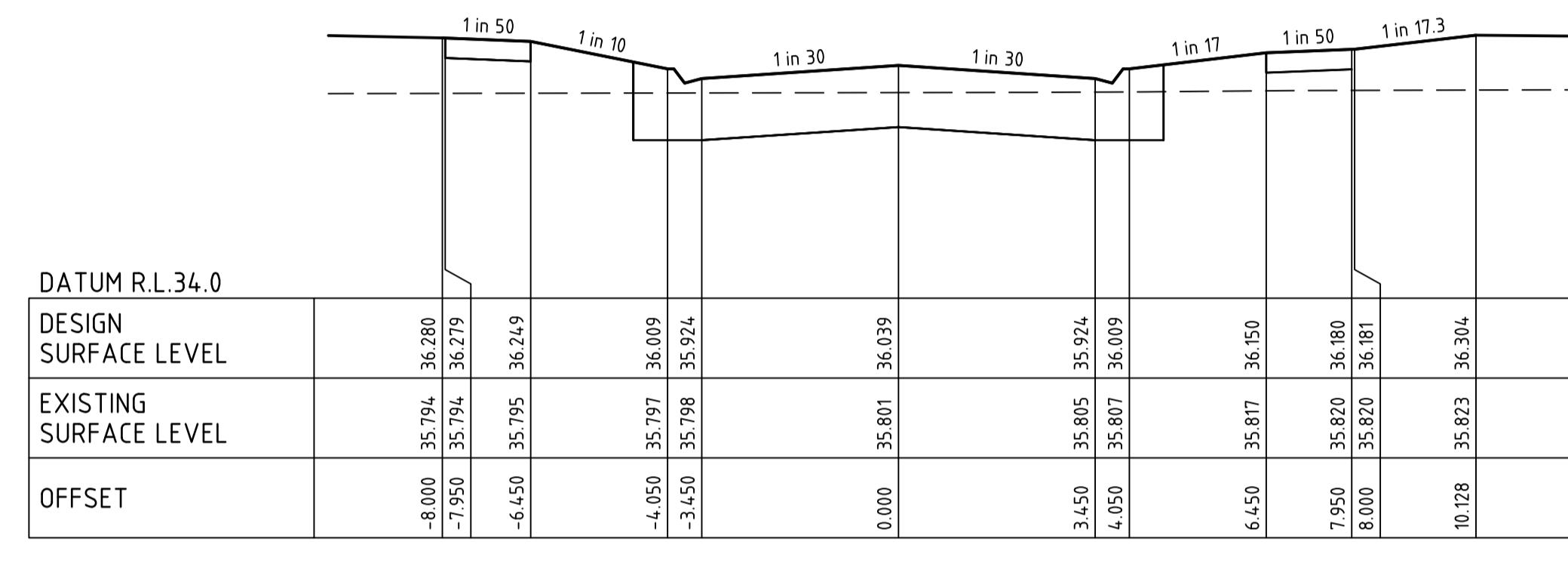
PRELIMINARY 310310CR400

FILLING NOTE
ALL FILLING WITHIN ROAD RESERVES IS TO BE UNDERTAKEN USING LEVEL 1 SUPERVISION AND BE COMPLETED IN ACCORDANCE WITH AS 3798-2007 AND TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND REPLACED WITH TOPSOIL (WHERE REQUIRED) TO OBTAIN THE FINAL LEVELS SHOWN ON THE DRAWINGS.

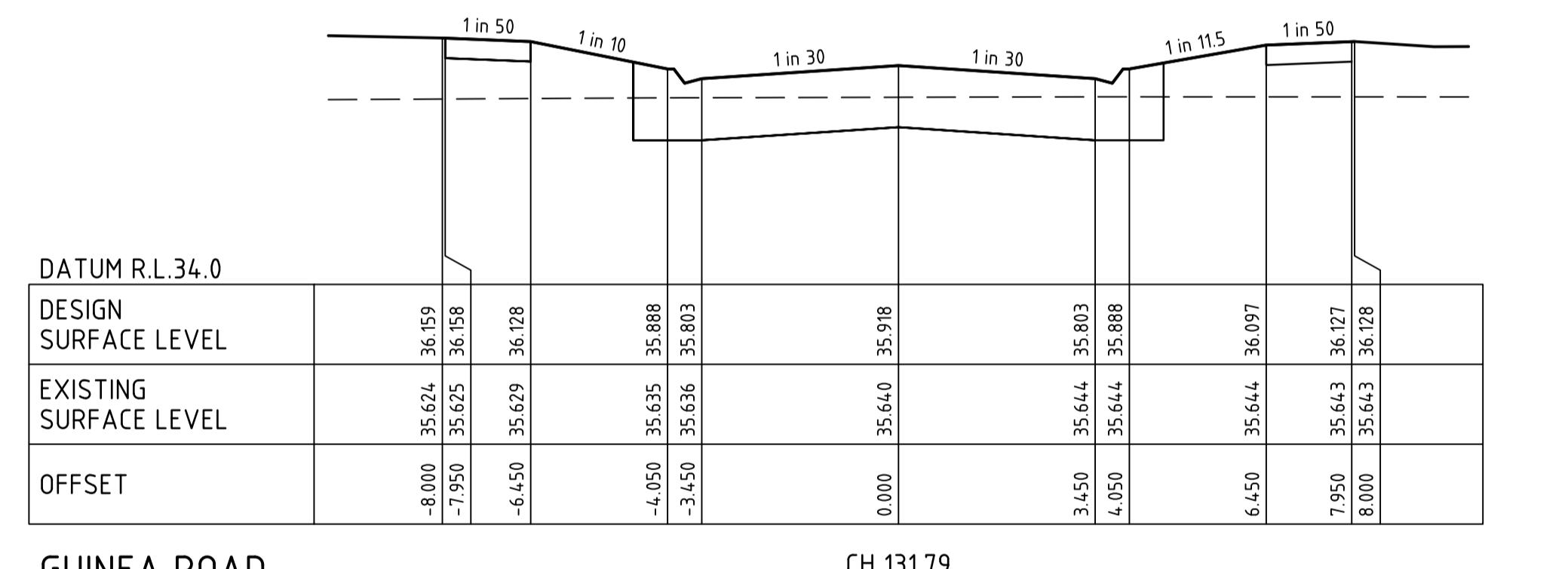
CONSENT FOR CONSTRUCTION
CARDINIA SHIRE COUNCIL
Ref No.: S23-073 - T220246
Sheet: 8 of 17
Approved by: Vilu Vijeyakumar
CARDINIA SHIRE COUNCIL
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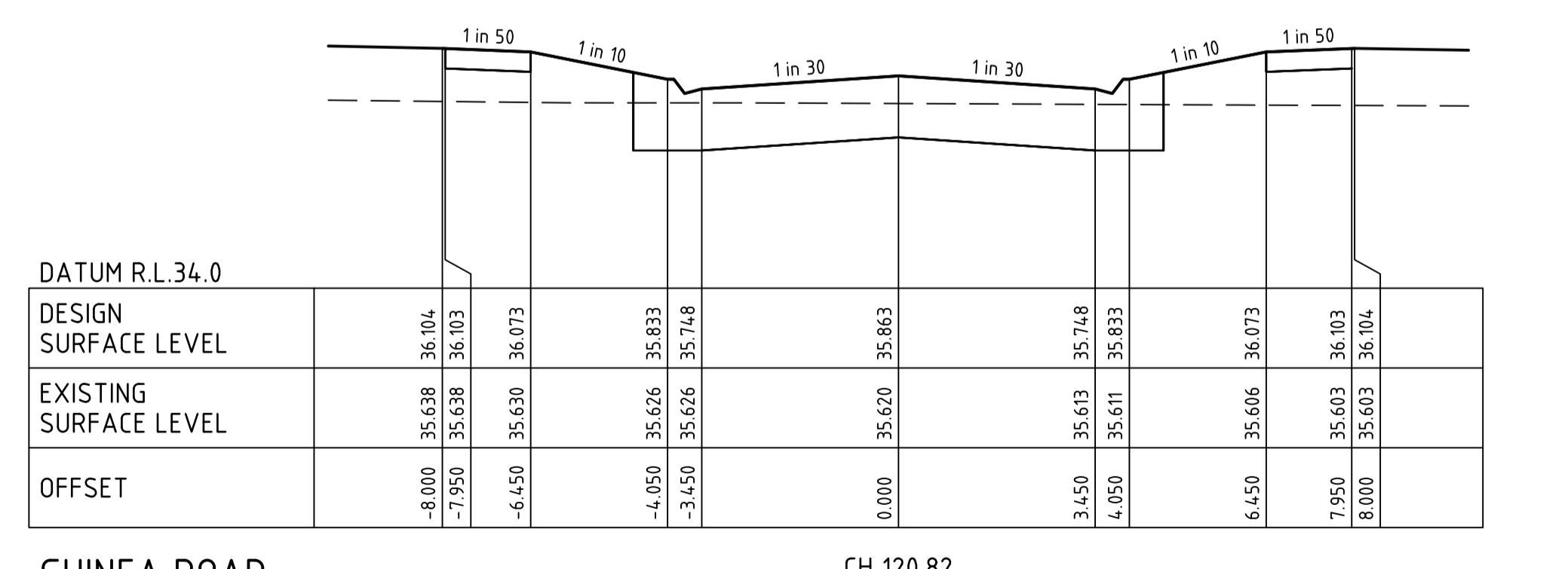
GUINEA ROAD CH 179.46



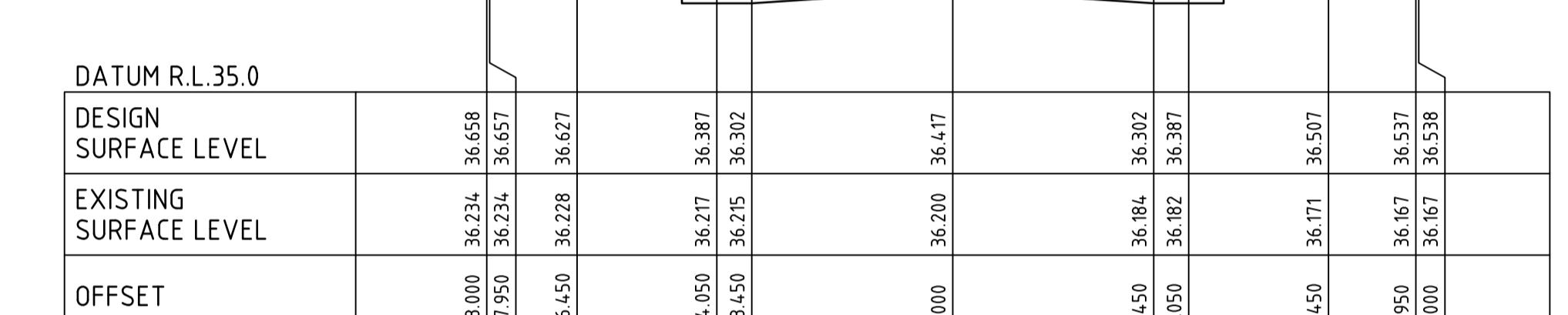
GUINEA ROAD CH 156.04



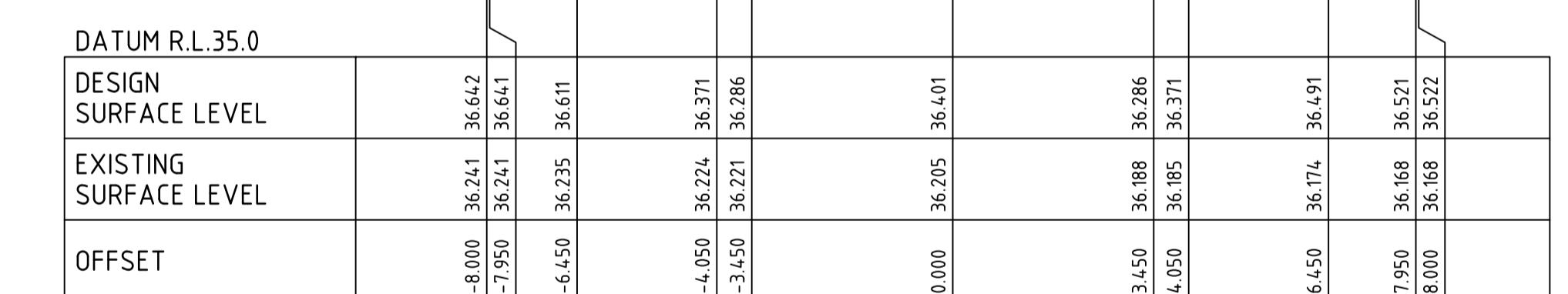
GUINEA ROAD CH 131.79



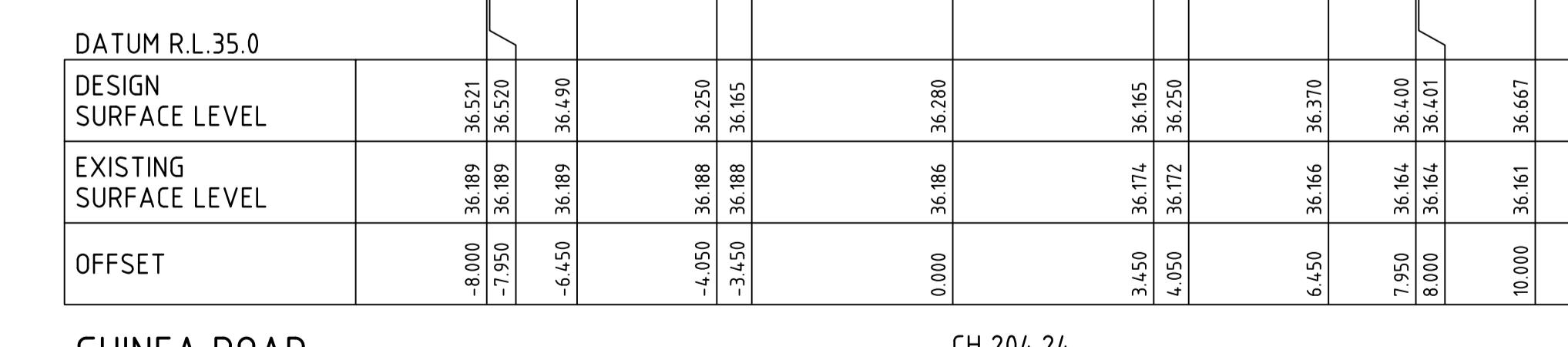
GUINEA ROAD CH 120.82



GUINEA ROAD CH 231.55

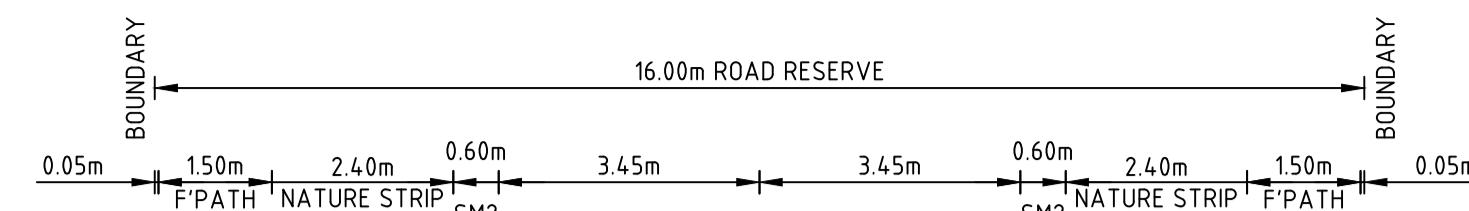


GUINEA ROAD CH 228.49



GUINEA ROAD CH 204.24

FILLING NOTE
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DATUM R.L.34.0

DESIGN SURFACE LEVEL

EXISTING SURFACE LEVEL

OFFSET

SNOWY ROAD

CH 85.45

DATUM R.L.34.0

DESIGN SURFACE LEVEL

EXISTING SURFACE LEVEL

OFFSET

SNOWY ROAD

CH 60.45

DATUM R.L.34.0

DESIGN SURFACE LEVEL

EXISTING SURFACE LEVEL

OFFSET

SNOWY ROAD

CH 33.78

DATUM R.L.33.0

DESIGN SURFACE LEVEL

EXISTING SURFACE LEVEL

OFFSET

SNOWY ROAD

CH 13.09

Scale
H 1:100
SCALE @ A1 0 1 2 3 4 5
V 1:50 0 0.5 1 1.5 2 2.5



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CONSENT FOR CONSTRUCTION

CARDINIA SHIRE COUNCIL

Ref No.: S23-073 - T220246
Sheet: 9 of 17
Approved by: Vilhu Vijeyakumar
CARDINIA SHIRE COUNCIL
Date: Friday, 12 April 2024

DATUM R.L.34.0

DESIGN SURFACE LEVEL

EXISTING SURFACE LEVEL

OFFSET

SNOWY ROAD

CH 180.02

DATUM R.L.34.0

DESIGN SURFACE LEVEL

EXISTING SURFACE LEVEL

OFFSET

SNOWY ROAD

CH 161.19

DATUM R.L.34.0

DESIGN SURFACE LEVEL

EXISTING SURFACE LEVEL

OFFSET

SNOWY ROAD

CH 143.95

DATUM R.L.34.0

DESIGN SURFACE LEVEL

EXISTING SURFACE LEVEL

OFFSET

SNOWY ROAD

CH 113.19

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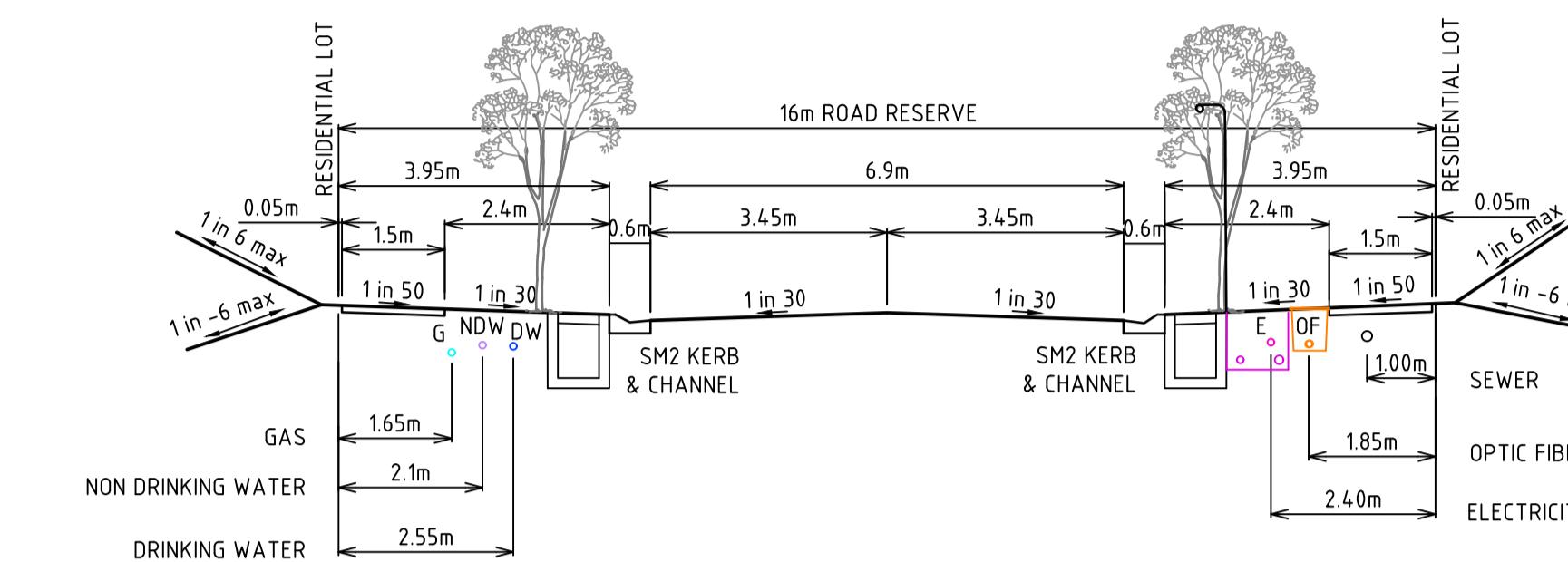
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Developments

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JANUARY 2024

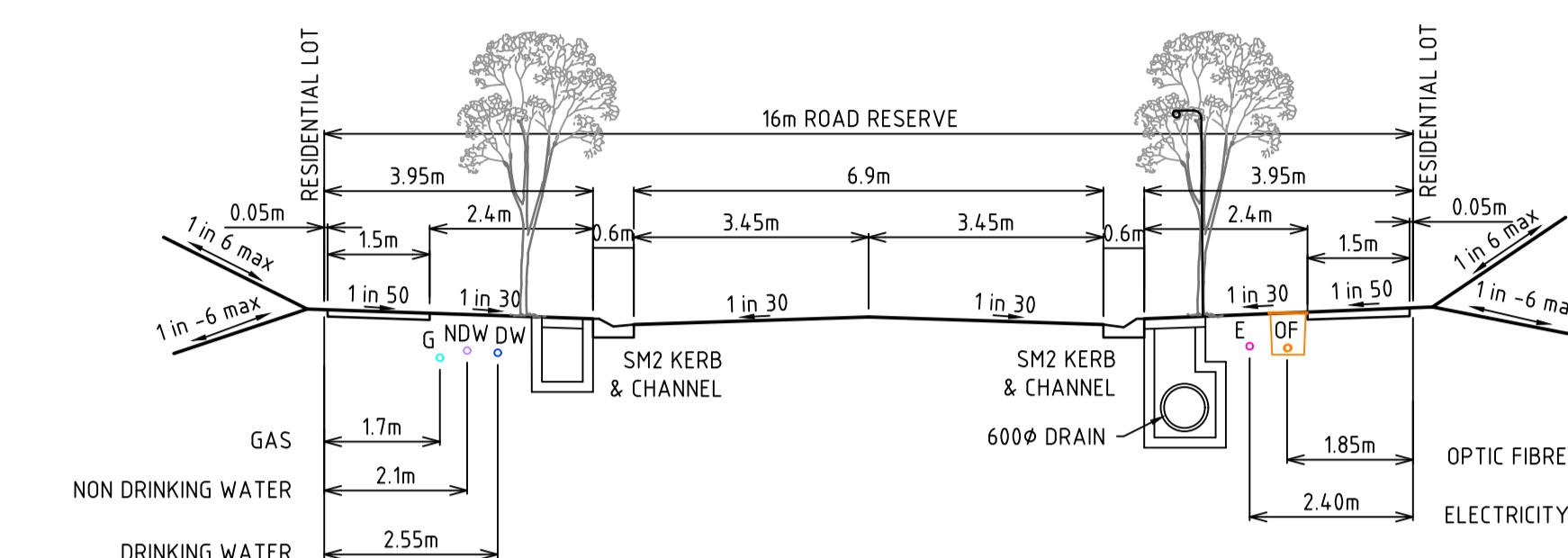
OFFICER CENTRAL STAGE 11
ROAD AND DRAINAGE
ROAD CROSS SECTIONS - SHEET 3
CARDINIA SHIRE
YOURLAND PTY LTD

PRELIMINARY 310310CR402

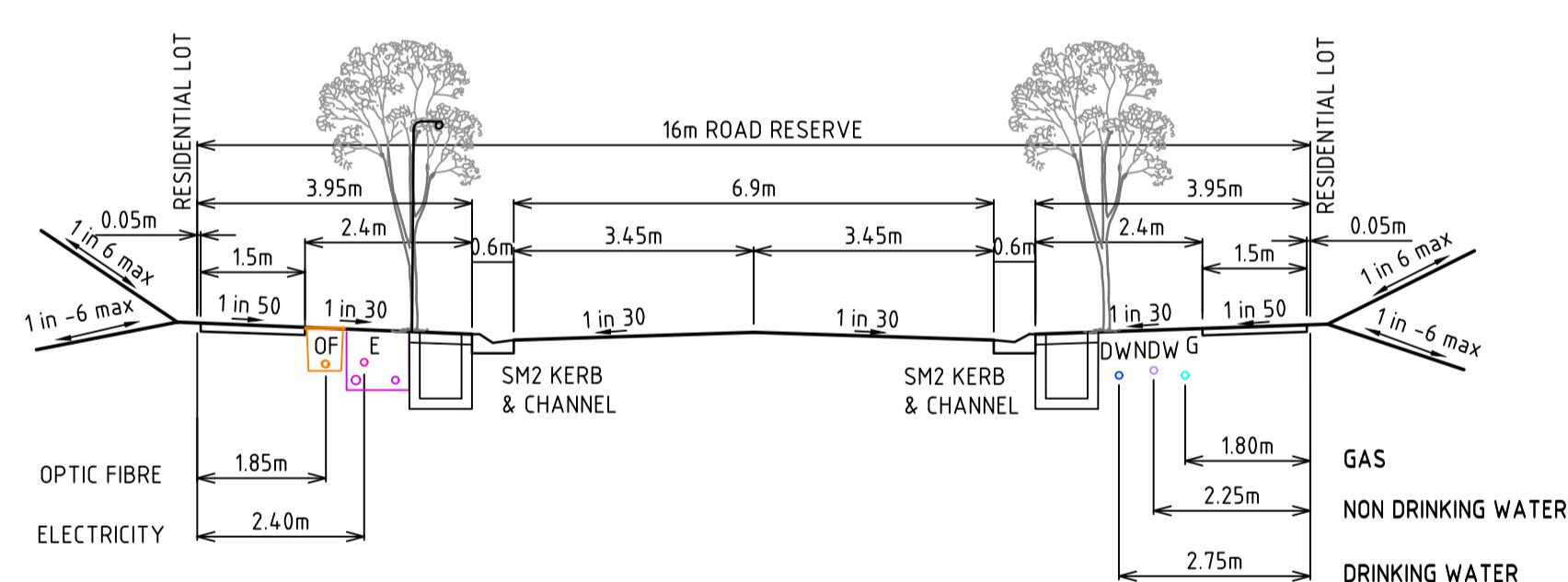
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CARDINIA SHIRE COUNCIL
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1. GUINEA ROAD
16m WIDE RESIDENTIAL ROAD



2. FURZE ROAD (N-S)
16m WIDE RESIDENTIAL ROAD



3. SNOWY ROAD & FURZE ROAD (E-W)
16m WIDE RESIDENTIAL ROAD

A	PRELIMINARY ISSUE	B.W	29/01/24
Rev	Amendments	Approved	Date

Scale
H 1:100
SCALE @ A1
V 1:50 0 1 2 3 4 5
0 0.5 1 1.5 2 2.5



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spiire.com.au ABN 55 050 029 635

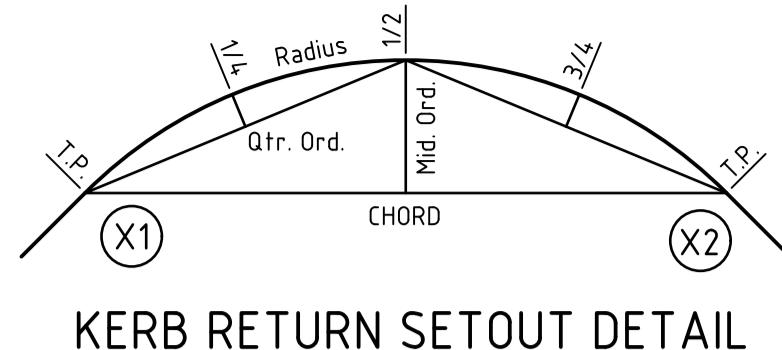
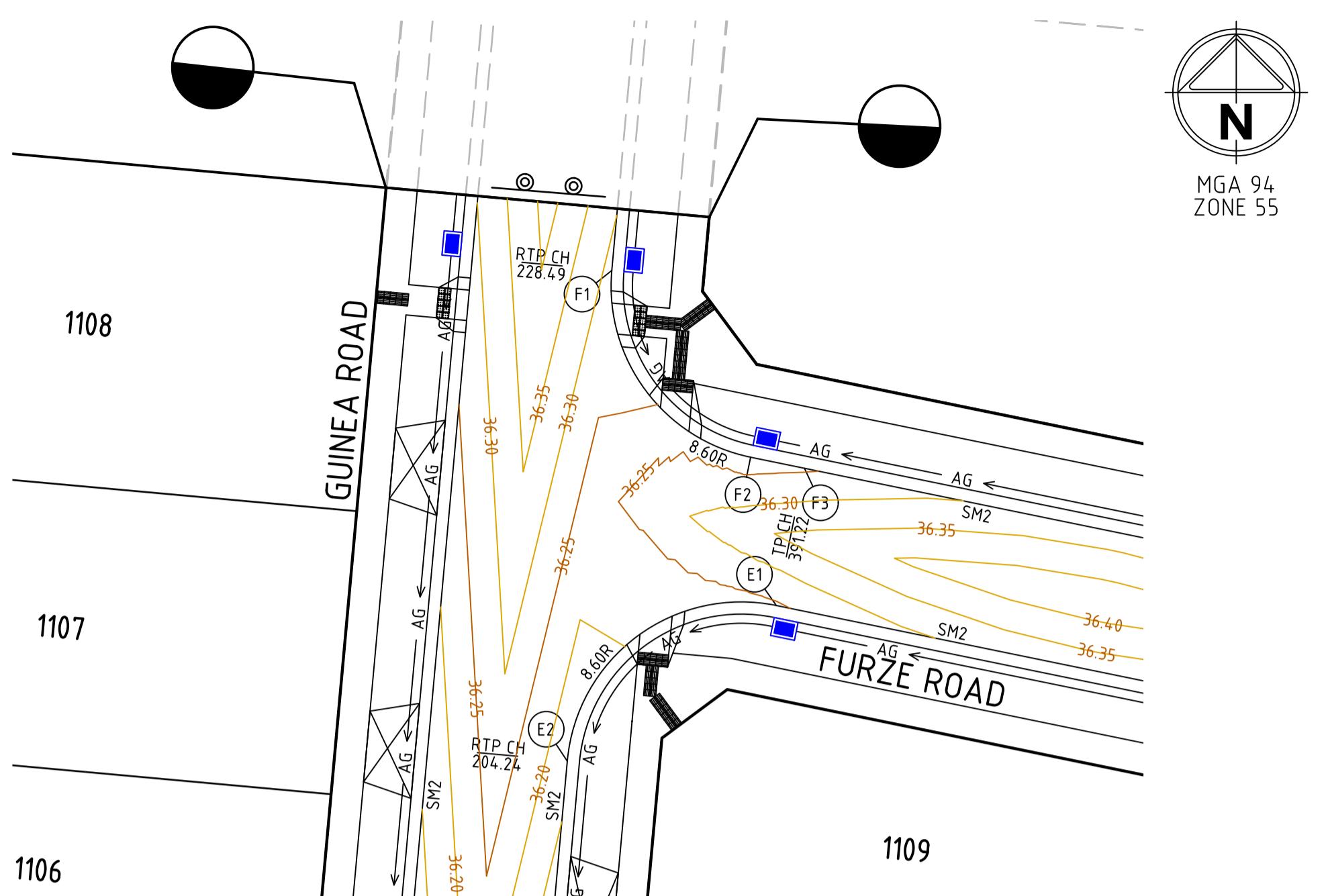
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Developments

Designed
D.PRATT
Authorised
B.WAREHAM
Checked
B.IBBS - PE0007167
Date
JANUARY 2024

OFFICER CENTRAL
STAGE 11
ROAD AND DRAINAGE
TYPICAL CROSS SECTIONS
CARDINIA SHIRE
YOURLAND PTY LTD

PRELIMINARY 310310CR403

A



KERB RETURN SETOUT DETAIL

CONSENT FOR CONSTRUCTION
CARDINIA SHIRE COUNCIL
Ref No.: S23-073 - T220246
Sheet: 12 of 17
Approved by: Vithu Vijeyakumar
CARDINIA SHIRE COUNCIL
Date: Friday, 12 April 2024

ALIGNMENT E

POINT NO	EASTING	NORTHING	RL
E1	359204.249	5785447.680	36.243
1/4	359200.658	5785447.652	36.224
1/2	359197.391	5785446.159	36.204
3/4	359195.019	5785443.463	36.185
E2	359193.955	5785440.033	36.165

CURVE RADIUS ARC L CHORD MID ORD QTR ORD
E1-E2 8.600 14.472 12.824 2.869 -0.750

ALIGNMENT F

POINT NO	EASTING	NORTHING	RL
F1	359196.146	5785464.185	36.286
1/4	359196.433	5785461.079	36.270
1/2	359197.808	5785458.280	36.255
3/4	359200.091	5785456.155	36.239
F2	359202.982	5785454.984	36.223
F3	359205.636	5785454.439	36.243

CURVE RADIUS ARC L CHORD MID ORD QTR ORD
F1-F2 8.600 12.546 11.463 2.188 -0.566

VERTICAL GEOMETRY

DESIGN GRADELINE	-0.75%	-0.54%	-0.5%
DATUM RL 35.0			
DESIGN LEVEL	36.243		
CHAINAGE	0.000	3.6724	7.236

VERTICAL GEOMETRY

DESIGN GRADELINE	-0.5%	-0.51%	0.76%	0.75%
DATUM RL 35.0				
DESIGN LEVEL	36.286			
CHAINAGE	0.000	3.6270	6.723	9.410

ALIGNMENT E

A	PRELIMINARY ISSUE	B.W	29/01/24
Rev	Amendments	Approved	Date

ALIGNMENT F

Scale	DETAIL PLAN											
H 1:250	0 2.5 5 7.5 10 12.5											
SCALE @ A1												
Scale	LIP PROFILE											
H 1:250	0 2.5 5 7.5 10 12.5											
SCALE @ A1												
V 1:25	0 0.25 0.50 0.75 1.00 1.25											

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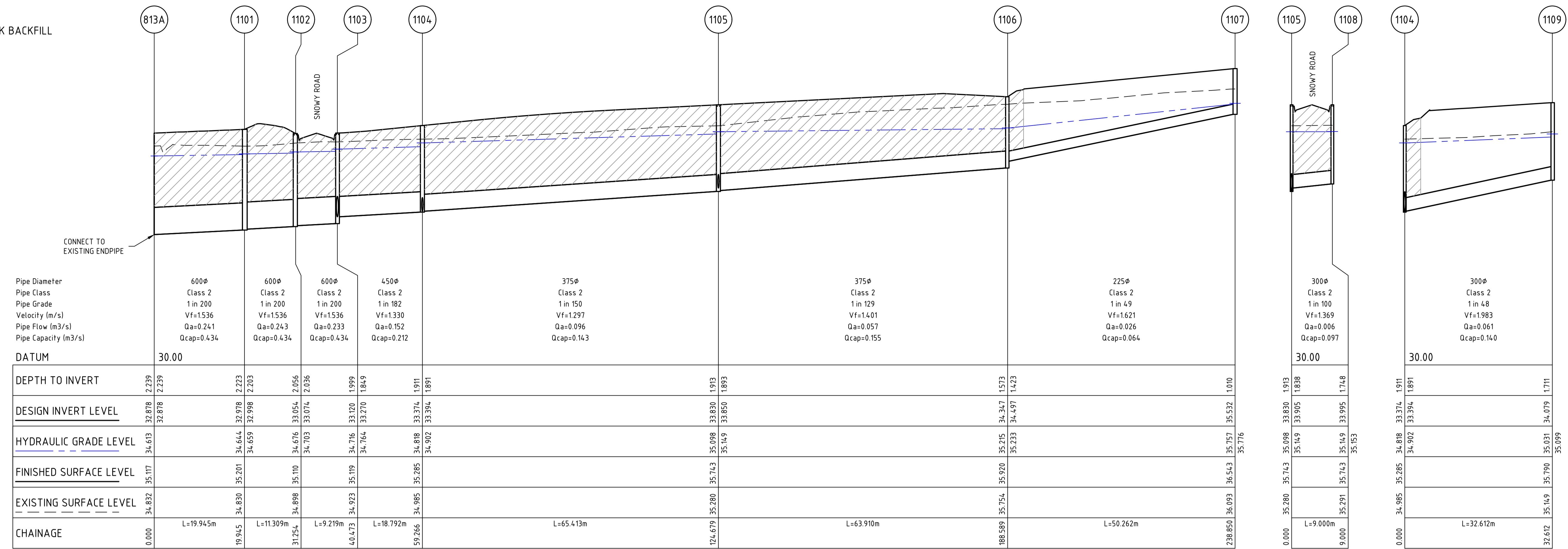
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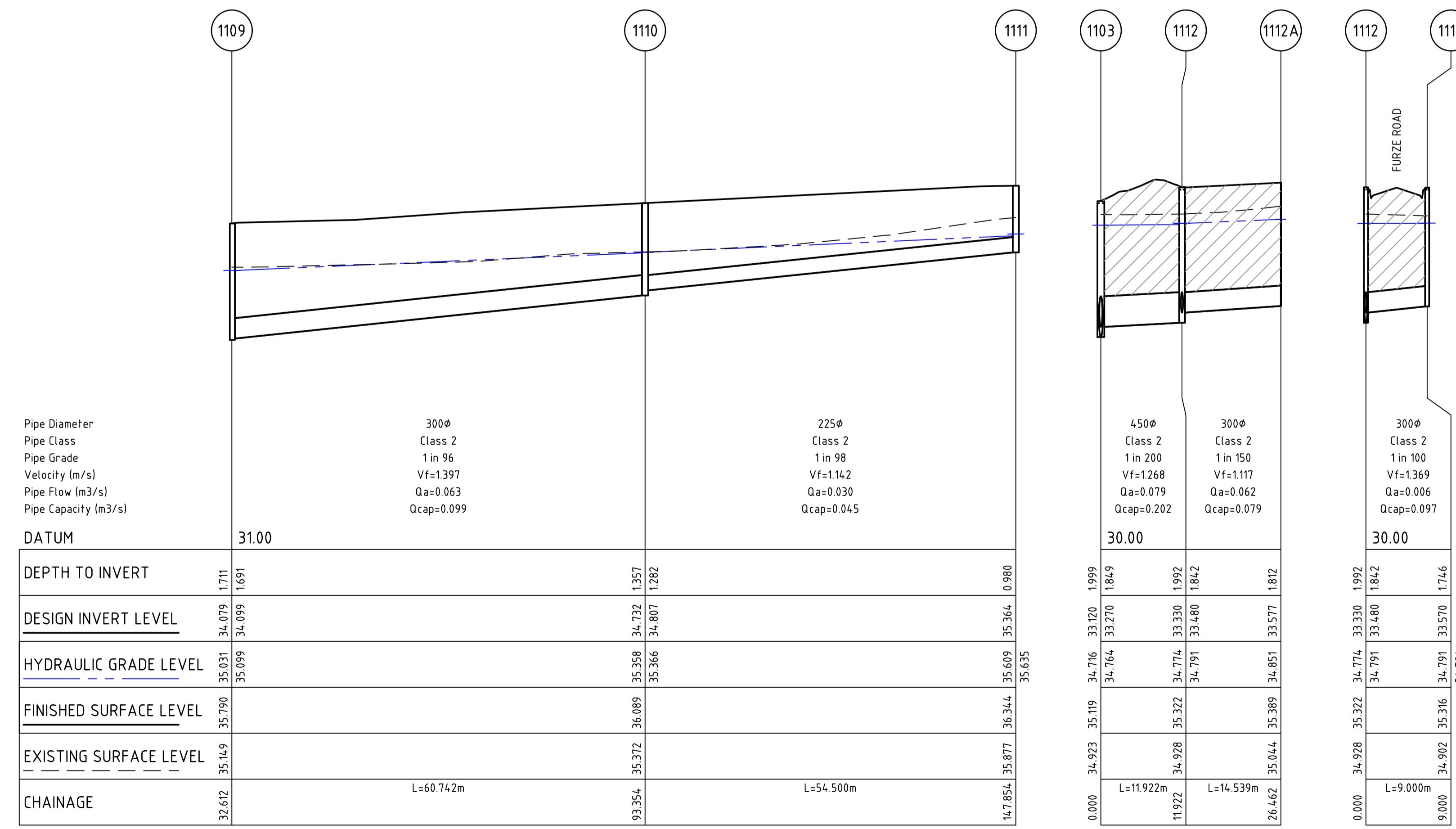
Designed
D.PRATT
Checked
B.IBBS - PE0007167
Authorised
B.WAREHAM
Date
JANUARY 2024

**OFFICER CENTRAL
STAGE 11
ROAD AND DRAINAGE
INTERSECTION DETAILS - SHEET 2**
CARDINIA SHIRE
YOURLAND PTY LTD

PRELIMINARY 310310CR501



CONSENT FOR CONSTRUCTION
CARDINIA SHIRE COUNCIL



0.000	34.357	34.826	34.403	33.337	1.489				
				33.337	1.489				
49.000	34.634	34.923	34.435	33.581	1.342				
			34.437	33.726	1.197				
59.500	34.703	34.976	34.458	33.784	1.192				

L=49.000m

L=10.500m

	B.W	29/01/24
	Approved	Date

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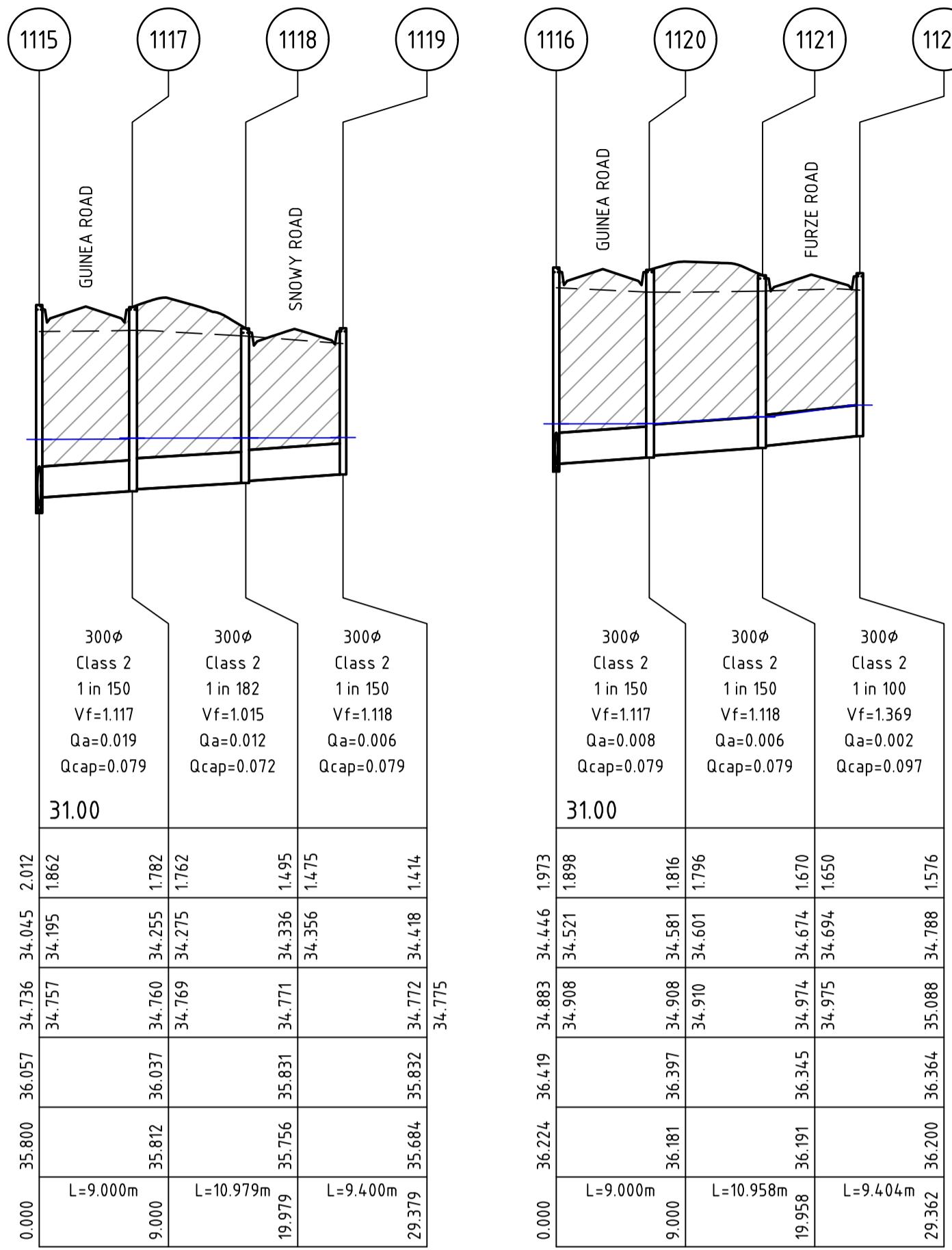
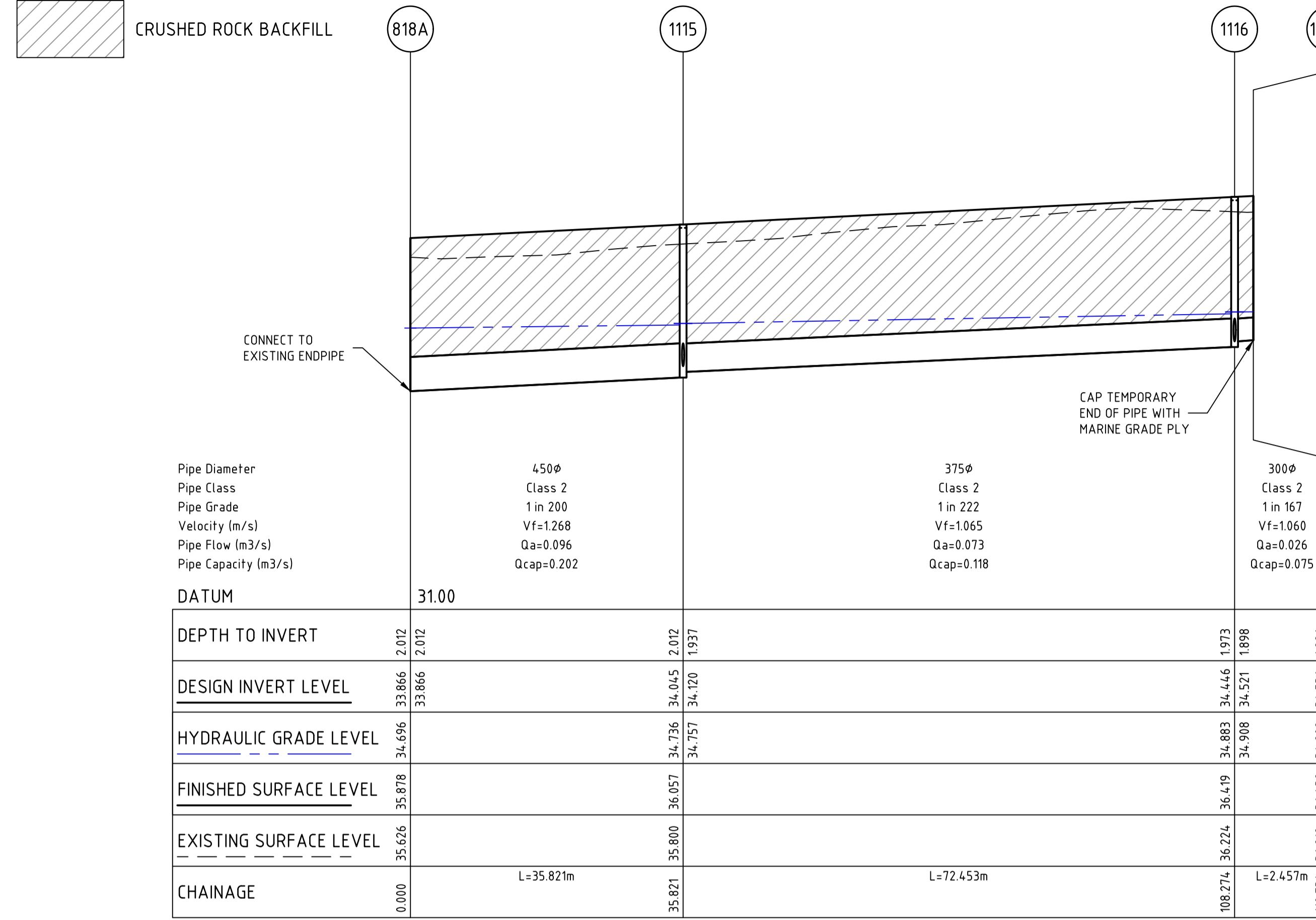
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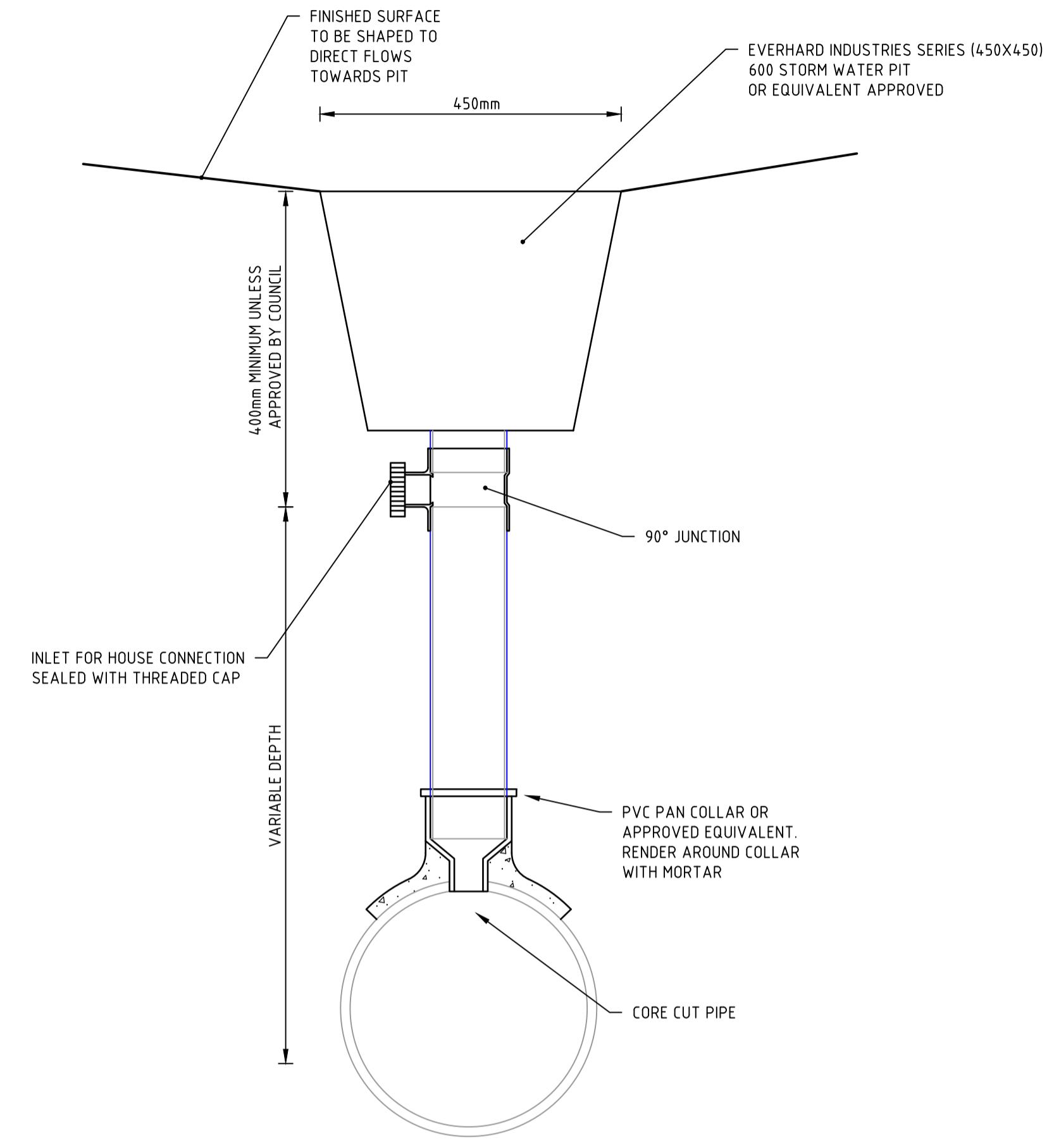
**OFFICER CENTRAL
STAGE 11
ROAD AND DRAINAGE
DRAINAGE LONG SECTIONS - SHEET 1
ARDINIA SHIRE
OURLAND PTY LTD**

PRELIMINARY Drg No **310310CR600**



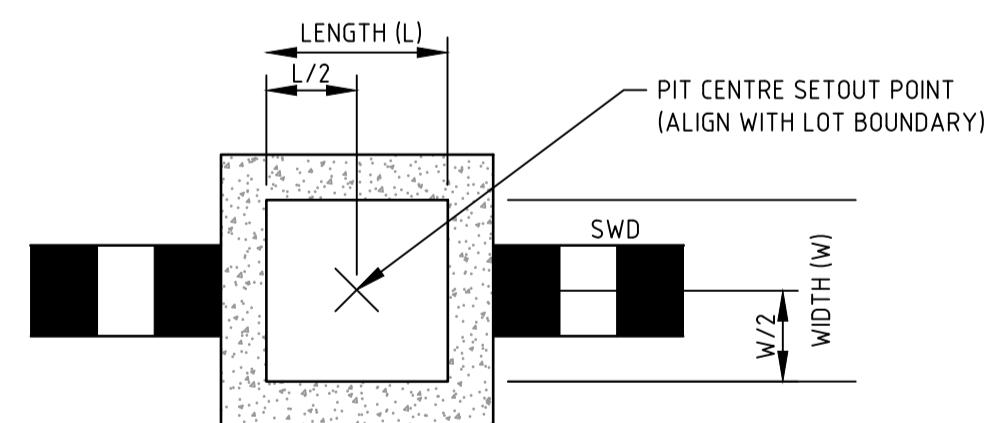
CONSENT FOR CONSTRUCTION
CARDINIA SHIRE COUNCIL
Ref No.: S23-073 - T220246
Sheet: 14 of 17
Approved by: Vilhu Vijeyakumar
CARDINIA SHIRE COUNCIL
Date: Friday, 12 April 2024

CONSENT FOR CONSTRUCTION
CARDINIA SHIRE COUNCIL
Ref No.: S23-073 - T220246
Sheet: 15 of 17
Approved by: Vilu Vijeyakumar
CARDINIA SHIRE COUNCIL
Date: Friday, 12 April 2024



HOUSE DRAIN INLET

LOT 1124-1128
MODIFIED EDCM 702 OR EDCM 702B
NOT TO SCALE



TYPICAL DRAINAGE PIT SETOUT POINT 'C'
JUNCTION PIT / EASEMENT PIT
NOT TO SCALE

DRAINAGE PIT SCHEDULE

PIT		INTERNAL		INLET		OUTLET		PIT		REMARKS
NAME	TYPE	WIDTH	LENGTH	DIA	INV LEVEL	DIA	INV LEVEL	FS LEVEL	DEPTH	
813A	ENDPIPE			600	32.878			35.117	2.239	CONNECT TO EXISTING PIPE
1101	JUNCTION PIT	900	900	600	32.998	600	32.978	35.201	2.223	REFER TO EDCM 605
1102	SIDE ENTRY PIT	750	900	600	33.074	600	33.054	35.110	2.056	REFER TO EDCM 603
1103	SIDE ENTRY PIT	750	900	450	33.270	600	33.120	35.119	1.999	REFER TO EDCM 603
1104	JUNCTION PIT	600	900	375	33.394	450	33.374	35.285	1.911	REFER TO EDCM 605
				300	33.394					
1105	SIDE ENTRY PIT	600	900	375	33.850	375	33.830	35.743	1.913	REFER TO EDCM 603
				300	33.905					
1106	JUNCTION PIT	600	900	225	34.497	375	34.347	35.920	1.573	REFER TO EDCM 605
1107	JUNCTION PIT	600	900			225	35.532	36.543	1.010	REFER TO EDCM 605
1108	SIDE ENTRY PIT	600	900			300	33.995	35.743	1.748	REFER TO EDCM 603
1109	JUNCTION PIT	600	900	300	34.099	300	34.079	35.790	1.711	REFER TO EDCM 605
1110	JUNCTION PIT	600	900	225	34.807	300	34.732	36.089	1.357	REFER TO EDCM 605
1111	JUNCTION PIT	600	900			225	35.364	36.344	0.980	REFER TO EDCM 605
1112	SIDE ENTRY PIT	600	900	300	33.480	450	33.330	35.322	1.992	REFER TO EDCM 603
				300	33.480					
1112A	ENDPIPE				300	33.577	35.389	1.812		ENDPIPE AT STAGE BOUNDARY
1113	SIDE ENTRY PIT	600	900		300	33.570	35.316	1.746		REFER TO EDCM 603
817A	ENDPIPE			450	33.337			34.826	1.489	CONNECT TO EXISTING PIPE
1114	JUNCTION PIT	600	900	300	33.726	450	33.581	34.923	1.342	REFER TO EDCM 605
1114A	ENDPIPE			300	33.784	300	33.784	34.976	1.192	ENDPIPE AT STAGE BOUNDARY
818A	ENDPIPE			450	33.866			35.878	2.012	CONNECT TO EXISTING PIPE
1115	SIDE ENTRY PIT	600	900	375	34.120	450	34.045	36.057	2.012	REFER TO EDCM 603
				300	34.195					
1116	SIDE ENTRY PIT	600	900	300	34.521	375	34.446	36.419	1.973	REFER TO EDCM 603
				300	34.521					
1116A	ENDPIPE			300	34.536	300	34.536	36.432	1.896	ENDPIPE AT STAGE BOUNDARY
1117	SIDE ENTRY PIT	600	900	300	34.275	300	34.255	36.037	1.782	REFER TO EDCM 603
1118	SIDE ENTRY PIT	600	900	300	34.356	300	34.336	35.831	1.495	REFER TO EDCM 603
1119	SIDE ENTRY PIT	600	900			300	34.418	35.832	1.414	REFER TO EDCM 603
1120	SIDE ENTRY PIT	600	900	300	34.601	300	34.581	36.397	1.816	REFER TO EDCM 603
1121	SIDE ENTRY PIT	600	900	300	34.694	300	34.674	36.345	1.670	REFER TO EDCM 603
1122	SIDE ENTRY PIT	600	900			300	34.788	36.364	1.576	REFER TO EDCM 603



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spire.com.au ABN 55 050 029 635

YourLand
Developments

Designed
D.PRATT
Checked
B.IBBS - PE0007167
Authorised
B.WAREHAM
Date
JANUARY 2024

**OFFICER CENTRAL
STAGE 11**
ROAD AND DRAINAGE
DRAINAGE LONG SECTIONS - SHEET 3
CARDINIA SHIRE
YOURLAND PTY LTD

PRELIMINARY 310310CR602

DESIGN PAVEMENT PROFILE

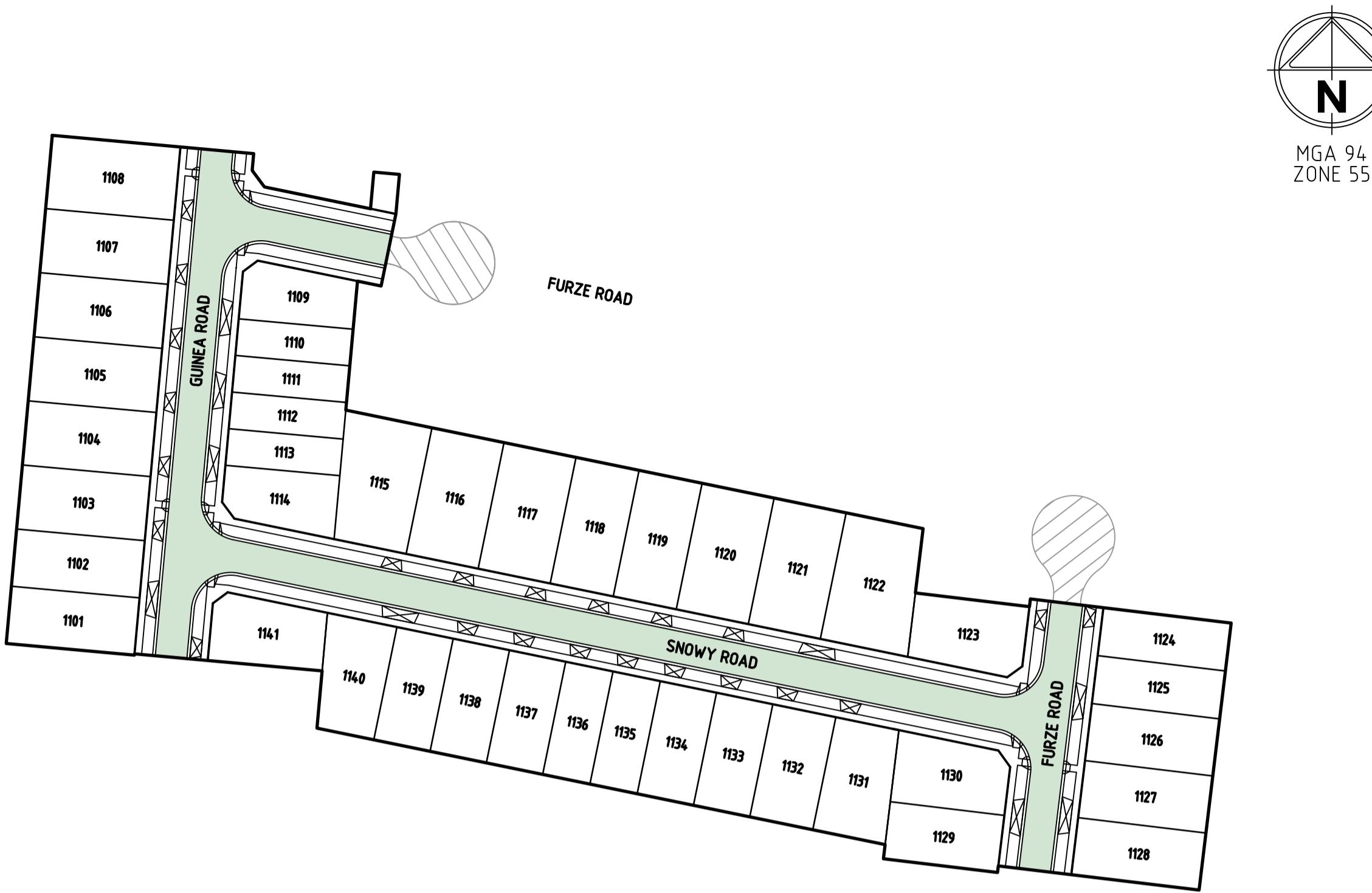
PAVEMENT LAYER	DESCRIPTION	DEPTH (mm)
		TYPE B* (ACCESS STREET Level 1)
ASPHALT WEARING COURSE	VICROADS SIZE 10 TYPE N CLASS C320 BINDER VICROADS SIZE 14 TYPE N CLASS C320 BINDER	30 -
ASPHALT BASE COURSE	VICROADS SIZE 10 TYPE N CLASS C320 BINDER VICROADS SIZE 14 TYPE N CLASS C320 BINDER	30 -
BITUMINOUS PRIME BASE	NOMINAL	NOMINAL
UPPER SUBBASE	VICROADS 20mm CLASS 2 CRUSHED ROCK OR EQUIVALENT	130
LOWER SUBBASE	VICROADS 20mm CLASS 3 CRUSHED ROCK OR BETTER, 20mm CLASS CC3 CRUSHED CONCRETE OR BETTER	100
SUBGRADE	VICROADS 20mm CLASS 4 CRUSHED ROCK OR BETTER, 20mm CLASS CC4 CRUSHED CONCRETE OR BETTER	250
		TOTAL PAVEMENT DEPTH
		540

* REFER PAVEMENT PLAN FOR LOCATION OF PAVEMENT TYPES

ROAD NAME	TYPE
GUINEA ROAD	TYPE B
SNOWY ROAD	TYPE B
FURZE ROAD	TYPE B

GENERAL NOTES:

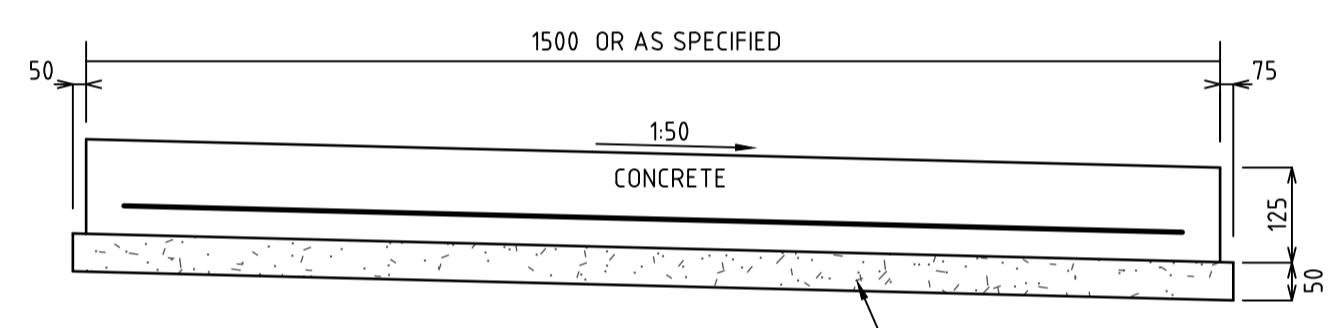
1. ALL WORKS TO BE COMPLETED IN ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARDS AND CAA LITERATURE, OR VIC ROADS STANDARDS FOR NON RESIDENTIAL STREETS.
2. ALL CONCRETE TO BE MINIMUM 32MPa COMPRESSIVE STRENGTH
3. CONCRETE TO BE THOROUGHLY COMPAKTED USING EITHER SURFACE AND/OR IMMERSION VIBRATORS, PARTICULARLY AROUND REINFORCEMENT AND IN CORNERS OF FORMS.
4. PRIOR TO CASTING, THE UNBOUND GRANULAR SUBBASE MUST BE DAMP TO ENSURE NO EARLY "DRYING OUT" OF THE CONCRETE.
5. CURING OF CONCRETE IS ESSENTIAL - IDEALLY BY MAINTAINING WET HESSIAN OR SEALING WITH PLASTIC SHEETING.
6. SAW CUTTING OF CONCRETE SHOULD BE COMMENCED AS SOON AS CONCRETE PERMITS BY EXPERIENCED CONTRACTORS, BUT NO LATER THAN 12 HOURS AFTER POUR.
7. ALL DOWELS TO BE GRADE 250R STEEL BARS, 450mm LONG AND PLACED AT 300mm CENTRES. REFER CAA - "CONCRETE PAVEMENT DESIGN FOR RESIDENTIAL STREETS" FOR DOWEL DIAMETERS. DOWELS MUST BE ACCURATELY PLACED TO ENSURE THE JOINT DOES NOT "LOCK". INSERTION OF DOWELS DURING THE PLACING OF CONCRETE IS NOT ACCEPTABLE. DOWELS MUST BE SAWN AND NOT CROPPED.
8. ALL JOINTS TO BE APPROPRIATELY SEALED TO RESIST THE INTRUSION OF SAND AND GRAVEL AND TO MINIMISE THE INGRESS OF WATER.



CONSENT FOR CONSTRUCTION
CARDINIA SHIRE COUNCIL
Ref No.: S23-073 - T220246
Sheet: 16 of 17
Approved by: Vilhu Vijeyakumar
CARDINIA SHIRE COUNCIL
Date: Friday, 12 April 2024

PAVEMENT PLAN

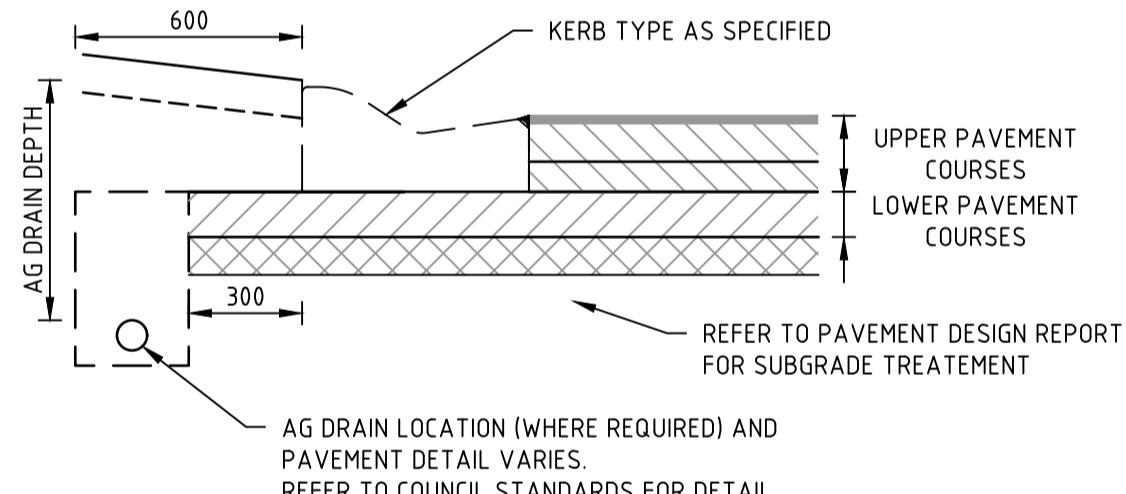
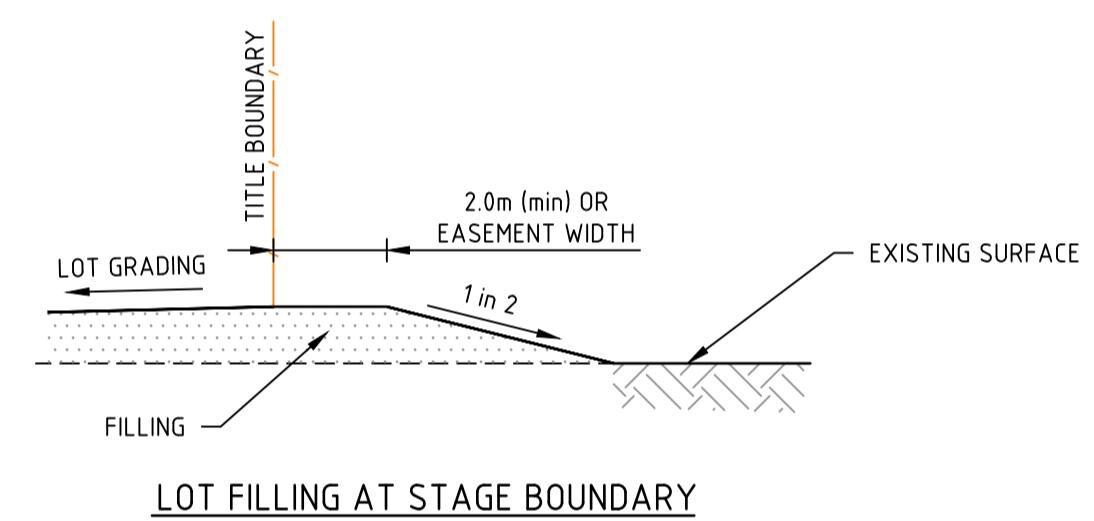
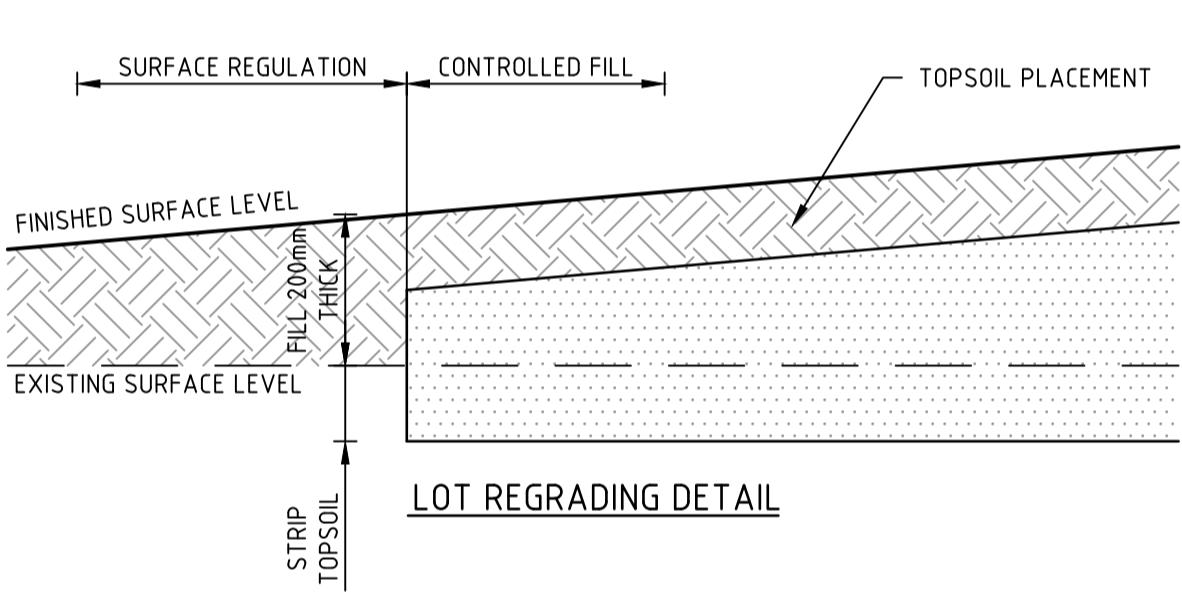
H 1:1000 SCALE @ A1 0 10 20 30 40 50



FOOTPATH / SHARED PATH

FOOTPATH TO BE 25MPa FOR RESIDENTIAL AND 32MPa FOR COMMERCIAL/INDUSTRIAL
EXPANSION JOINTS TO BE CONSTRUCTED AT 12m MAX. CTRS. AND AT BOTH SIDES OF VEHICLE CROSSINGS.

50mm COMPACTED DEPTH OF CLASS 3, 20mm NOM. SIZE FINE CRUSHED ROCK



TYPICAL SUBSURFACE DRAIN DETAIL FOR NON-EXPANSIVE SUBGRADE

REFER TO AUTHORITY REQUIREMENTS FOR SPECIFIC DETAILS

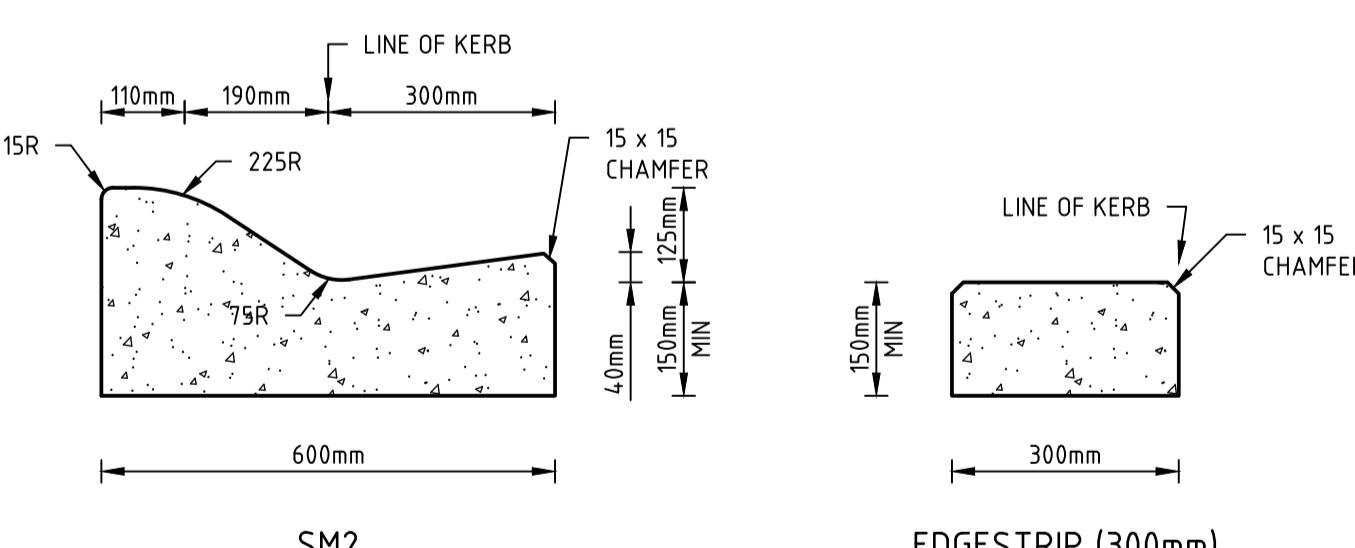
PAVEMENT DETAILS

THE PAVEMENT DESIGNS SHOWN HERE HAVE BEEN DESIGNED/PROVIDED BY COFFEY P/L WHO ARE RESPONSIBLE FOR THE GEOTECHNICAL WORK ON THIS PROJECT. SPIRE IS NOT RESPONSIBLE FOR THE WORK OF COFFEY P/L.

THE DESIGN HAS BEEN EXTRACTED FROM THE OFFICER CENTRAL "LOT 1 RIX ROAD", OFFICER REPORT ON "754-MELGE292541B" THIS DOCUMENT SHOULD BE REVIEWED TO ENSURE THAT THE DESIGN HAS BEEN ACCURATELY REPRODUCED.

A COPY OF THE DOCUMENT WILL BE PROVIDED ON REQUEST.

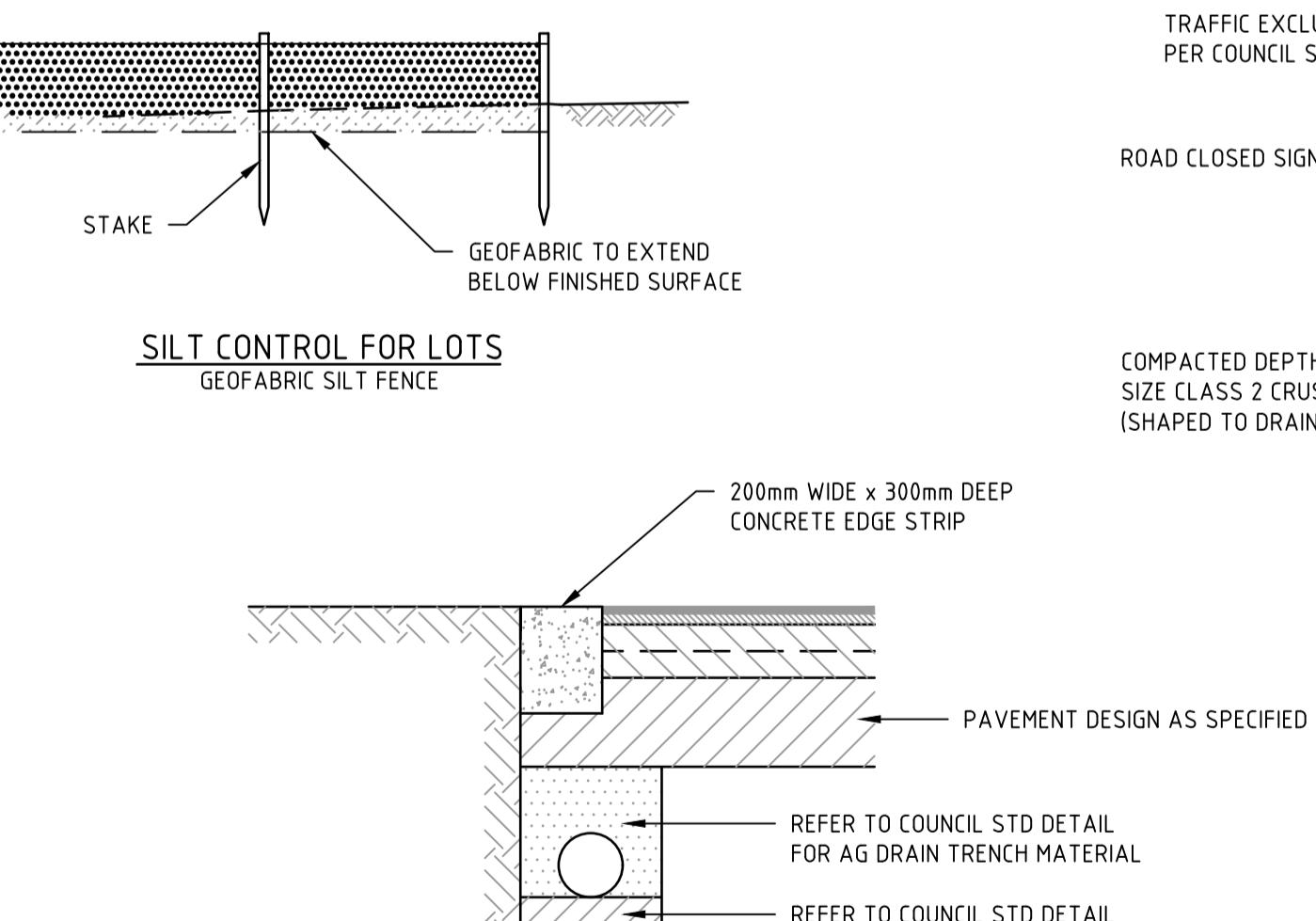
SPIRE DOES NOT ACCEPT ANY RESPONSIBILITY FOR THE ACCURACY, ADEQUACY OR APPROPRIATENESS OF THE GEOTECHNICAL WORK AND PAVEMENT DESIGNS.
ANY QUERIES IN RESPECT TO THE GEOTECHNICAL WORK AND PAVEMENT DESIGNS SHOULD BE ADDRESSED TO COFFEY P/L AND COPIED TO SPIRE.



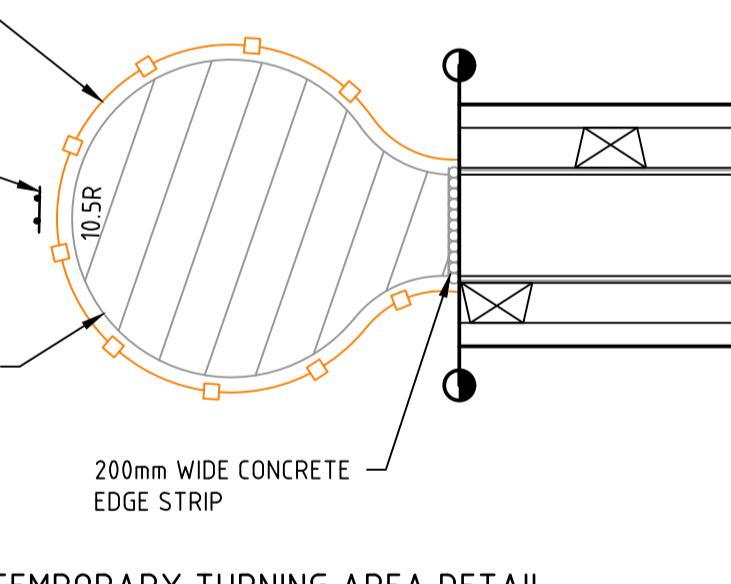
STANDARD KERB PROFILES

NOTE: ALL KERB & CHANNEL AS PER GAA STD DRAWING EDCM 301

H 1:100 SCALE @ A1 0 1 2 3 4 5



LIMIT OF WORKS CONCRETE EDGE STRIP & PAVEMENT INTERFACE DETAIL



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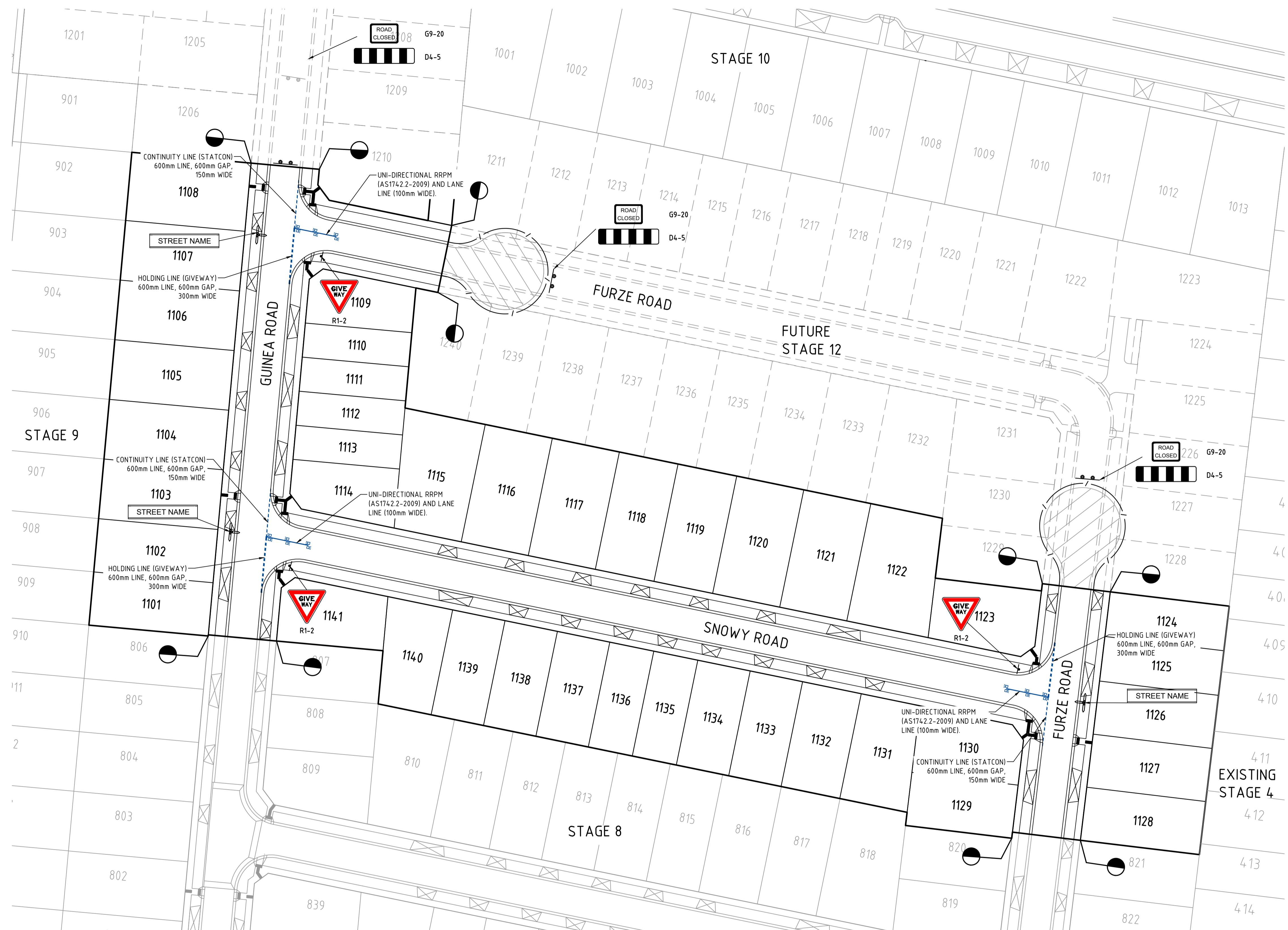
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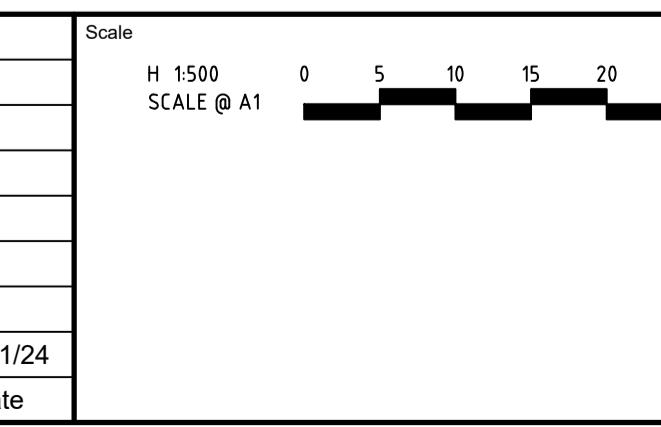
OFFICER CENTRAL
STAGE 11
ROAD AND DRAINAGE
PAVEMENT AND TYPICAL DETAILS
CARDINIA SHIRE
YOURLAND PTY LTD
PRELIMINARY 310310CR700

CONSENT FOR CONSTRUCTION
CARDINIA SHIRE COUNCIL
Ref No.: S23-073 - T220246
Sheet: 17 of 17
Approved by: Vithu Vijeyakumar
CARDINIA SHIRE COUNCIL
Date: Friday, 12 April 2024

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MGA 94
ZONE 55



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OFFICER CENTRAL
STAGE 11
ROAD AND DRAINAGE
SIGNAGE AND LINEMARKING
CARDINIA SHIRE
YOURLAND PTY LTD

PRELIMINARY 310310CR800