

SOCIETY 1056 STAGE 1 YOURLAND

CITY OF MELTON GENERAL NOTES:

- SURVEY**
- ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM AND ALL COORDINATES ARE TO MAP GRID OF AUSTRALIA (MGA) 2020, 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 ±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 IN 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 150mm 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 LEVELED 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 COUNCIL'S PERMISSION.
- SERVICES**
- WATER CONDUITS ARE TO BE .
Ø50mm . CLASS 12 P.V.C. - SINGLE SERVICE
Ø100mm . 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
 - ALL SERVICE CONDUIT TRENCHES UNDER ROAD PAVEMENTS TO BE BACKFILLED IN ACCORDANCE WITH RELEVANT MUNICIPALITY OR ROAD AUTHORITY SPECIFICATION.
 - WATER CONDUITS TO BE LOCATED AS SHOWN, REFER TO WATER DESIGN FOR CONDUIT OFFSETS
 - TELSTRA ARE TO BE NOTIFIED 7 DAYS PRIOR TO PLACEMENT OF CONCRETE WORKS.

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 PIPES UP TO AND INCLUDING 750mm DIAMETER TO BE RUBBER RING JOINTED (R.R.J.) UNLESS STATED OTHERWISE.

- CENTRELINES OF ALL EASEMENT DRAINS ARE OFFSET 1.0m OR 2.2m (WHERE OUTSIDE OF SEWER) FROM THE PROPERTY LINE UNLESS SHOWN OTHERWISE.
- WHERE CURVED PIPES ARE SHOWN ON THE FACE PLANS THEY ARE TO BE LAID PARALLEL TO THE BACK OF KERB, EXCEPT WHERE A RADIUS HAS BEEN SPECIFICALLY NOMINATED. CURVED PIPES ARE TO BE APPROVED BY COUNCIL AND IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS.
- THE CONTRACTOR MUST PROVIDE CCTV FOOTAGE OF ALL UNDERGROUND DRAINS PRIOR TO PRACTICAL COMPLETION. ANY DAMAGED PIPES MUST BE REPAIRED AND RE-INSPECTED PRIOR TO PRACTICAL COMPLETION.

PAVEMENT

- PAVEMENT DEPTHS MAY BE MODIFIED AS DIRECTED BY THE SUPERINTENDENT. PAVEMENT TO BE BOXED OUT TO MINIMUM DEPTH DENOTED, INSPECTED AND IF SUBGRADE IS IN QUESTION, FURTHER TESTING CARRIED OUT TO DETERMINE FINAL PAVEMENT DEPTH.
- WHERE PAVEMENT IS CONSTRUCTED ON FILLING, FILL MATERIAL IS TO BE APPROVED BY THE SUPERINTENDENT AND COUNCIL. FILLING TO BE CONSTRUCTED IN LAYERS 150mm THICK WITH COMPACTION ACHIEVING 95% AUSTRALIAN STANDARD DENSITY.
- WHEN PAVEMENT EXCAVATION IS IN ROCK ALL LOOSE MATERIAL (INCLUDING ROCKS AND CLAY) MUST BE REMOVED. THE SUB-GRADE MUST THEN BE REGULATED WITH COUNCIL APPROVED MATERIAL.

SIGNAGE AND LINEMARKING

- LINEMARKING AND SIGNAGE TO BE INSTALLED IN ACCORDANCE WITH AS 1742 SERIES UNLESS NOTED OTHERWISE. STREET SIGNS ARE TO BE INSTALLED IN ACCORDANCE WITH COUNCIL STANDARDS.
- ALL TEMPORARY WARNING SIGNS USED DURING CONSTRUCTION SHALL BE SUPPLIED AND MAINTAINED IN ACCORDANCE WITH AS 1742-3.
- TACTILE GROUND SURFACE INDICATORS ARE TO BE INSTALLED IN ACCORDANCE WITH THE DISABILITY DISCRIMINATION ACT AND RELEVANT COUNCIL STANDARD DRAWINGS.

ENVIRONMENTAL

- CONTRACTOR TO PROVIDE AN ENVIRONMENTAL MANAGEMENT PLAN INCLUDING SILT AND SEDIMENT RUNOFF PROTECTION ETC. PRIOR TO THE COMMENCEMENT OF WORKS.
- ALL TREES AND SHRUBS ARE TO BE RETAINED UNLESS OTHERWISE SHOWN. IF ROAD AND DRAINAGE CONSTRUCTION NECESSITATES THEIR REMOVAL, WRITTEN PERMISSION MUST BE OBTAINED FROM THE SUPERINTENDENT.
- TREES NOT SPECIFIED FOR REMOVAL ARE TO BE PROTECTED WITH APPROPRIATE EXCLUSION FENCING PRIOR TO COMMENCEMENT OF ANY WORKS.



LOCALITY PLAN

H 14 000
SCALE @ A1

DRAWING SCHEDULE

DRAWING	DESCRIPTION	SHEET No.	REVISION
CR100	GENERAL NOTES	1	E
CR200	LAYOUT PLAN	2	E
CR201	SERVICES PLAN	3	D
CR202	PASSIVE IRRIGATION PLAN	4	E
CR300	ROAD LONG SECTIONS - SHEET 1	5	C
CR301	ROAD LONG SECTIONS - SHEET 2	6	B
CR400	ROAD CROSS SECTIONS - SHEET 1	7	B
CR401	ROAD CROSS SECTIONS - SHEET 2	8	B
CR402	ROAD CROSS SECTIONS - SHEET 3	9	B
CR403	ROAD CROSS SECTIONS - SHEET 4	10	C
CR500	INTERSECTION DETAILS - SHEET 1	11	C
CR501	INTERSECTION DETAILS - SHEET 2	12	C
CR502	INTERSECTION DETAILS - SHEET 3	13	D
CR600	DRAINAGE LONG SECTIONS - SHEET 1	14	D
CR601	DRAINAGE LONG SECTIONS - SHEET 2	15	D
CR602	DRAINAGE LONG SECTIONS - SHEET 3	16	E
CR603	DRAINAGE LONG SECTIONS - SHEET 4	17	A
CR604	DRAINAGE LONG SECTIONS & PIT SCHEDULE - SHEET 5	18	A
CR700	PAVEMENT AND TYPICAL DETAILS	19	D
CR701	PASSIVE IRRIGATION DETAILS	20	B
CR800	SIGNAGE AND LINEMARKING SHEET	21	D
CR900	TEMPORARY RETARDING BASIN DETAILS	22	D

LEGEND

DESCRIPTION	EXISTING	PROPOSED
WATER MAIN, VALVE AND HYDRANT	DW	DW
UNDERGROUND ELECTRICITY	E	E
OPTIC FIBRE	OF	OF
GAS MAIN	G	G
SEWER & MAINTENANCE STRUCTURE	S	S
CENTRAL INVERT	>	>
COUNCIL STORMWATER DRAIN AND PIT	—	—
STORM WATER DRAINAGE PROPERTY INLETS	—	—
COUNCIL STORM WATER PITS	—	—
HOUSE DRAIN	—	—
AG DRAIN AND FLUSHER	AG	AG
STORM WATER DRAINAGE PIT NUMBER	Ex.47	1
WATER CONDUITS	W	W
CONCRETE VEHICLE CROSSING	—	—
HEAVY DUTY CONCRETE VEHICLE CROSSING	—	—
SURFACE CONTOUR MINOR	-169.00	169.00
SURFACE CONTOUR MAJOR	-168.90	168.90
SURFACE LEVEL	E123.45	F124.68
BATTER LEVEL (TOP / TOE)	T124.80	T124.80
EARTHWORKS GRADE	—	1 in 150
SIGN AND POST	—	—
STREET SIGN	—	—
PERMANENT SURVEY MARK	—	—
TEMPORARY BENCH MARK	—	—
BOLLARD	—	—
ROAD CHAINAGES	CH116.57 (L/R)TP CH116.57	CH116.57 (L/R)TP CH116.57
LOT CHAINAGES	CH20.06	CH20.06
SETOUT POINT	—	—
LIMIT OF WORKS	—	—
BATTER	—	—
EXCAVATION GREATER THAN 0.20m	—	—
FILLING	—	—
ROCK BEACHING	—	—
FENCE - VEHICLE EXCLUSION	—	—
FENCES	—	—
TACTILE GROUND SURFACE INDICATOR	—	—
TREE (& SURVEYED CANOPY) TO BE RETAINED	—	—
TREE TO BE PROTECTED	—	—
TREE TO BE REMOVED	—	—
PASSIVE IRRIGATION - MODIFIED / STANDARD	—	—
ROAD PAVEMENT	—	—
CONCRETE PAVEMENT - FOOTPATH	—	—
RAISED PAVEMENT	—	—

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.



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Rev	Amendments	Approved	Date
E	DRAINAGE UPSIZED TO Q100	M.H	14/06/24
D	COUNCIL COMMENTS ADDRESSED	M.F	02/02/24
C	COUNCIL COMMENTS ADDRESSED	M.F	19/12/23
B	ISSUED FOR APPROVAL	M.F	10/11/23
A	ISSUED FOR TENDER	M.F.	05/05/23

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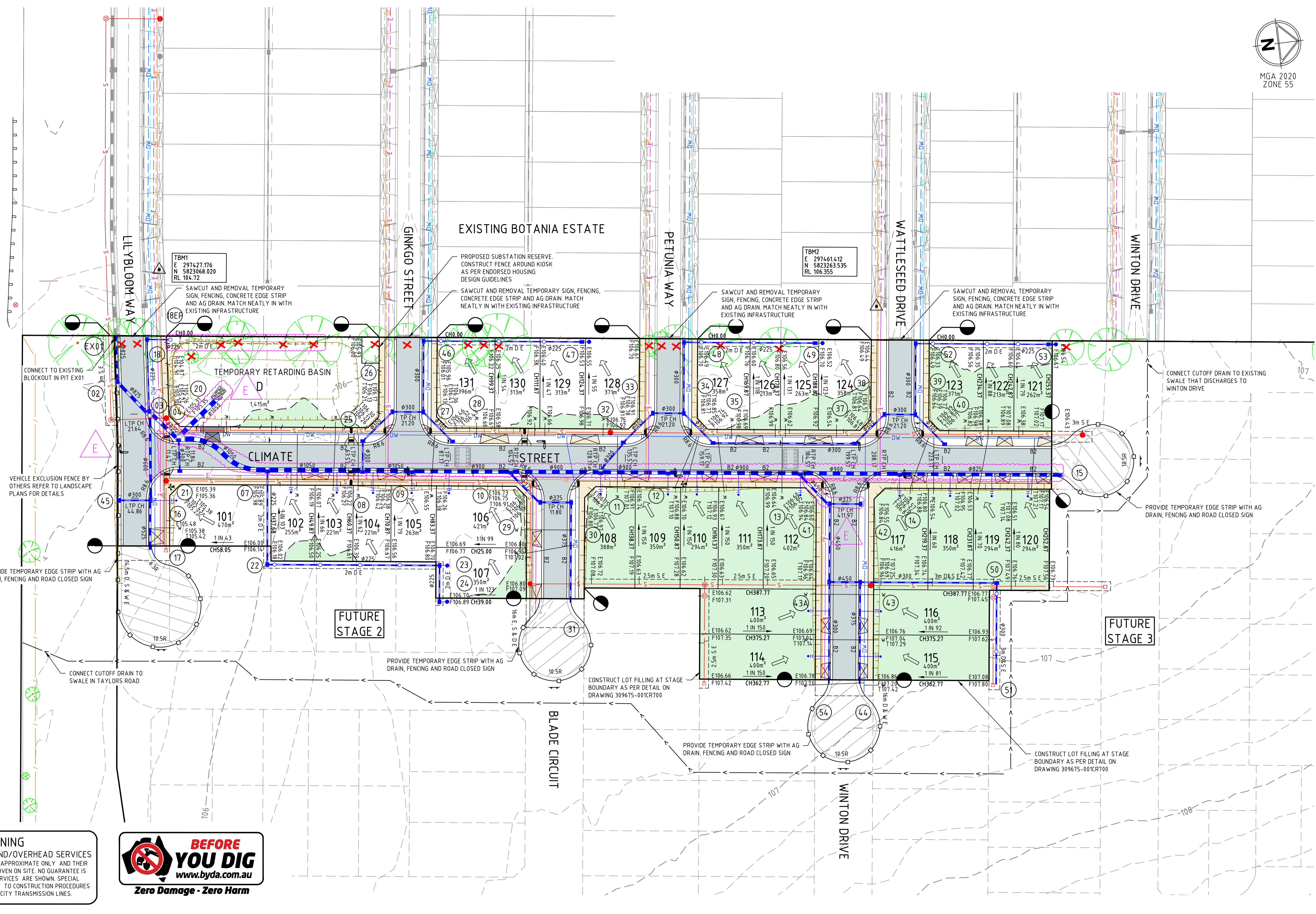
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SOCIETY 1056
STAGE 1
ROAD AND DRAINAGE
GENERAL NOTES - SHEET 1
MELTON CITY COUNCIL
YOURLAND

PRELIMINARY

Drg No
309675-001CR100

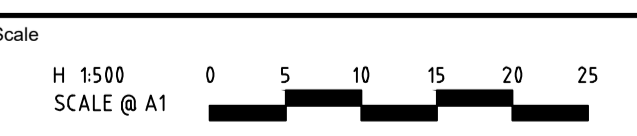
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E	DRAINAGE UPSIZED TO Q100	M.H	14/06/24
D	STREET RENAMED, RB INLET MOVED, FENCING AND SEWER AMENDED	M.F	02/02/24
C	COUNCIL COMMENTS ADDRESSED	M.F	19/12/23
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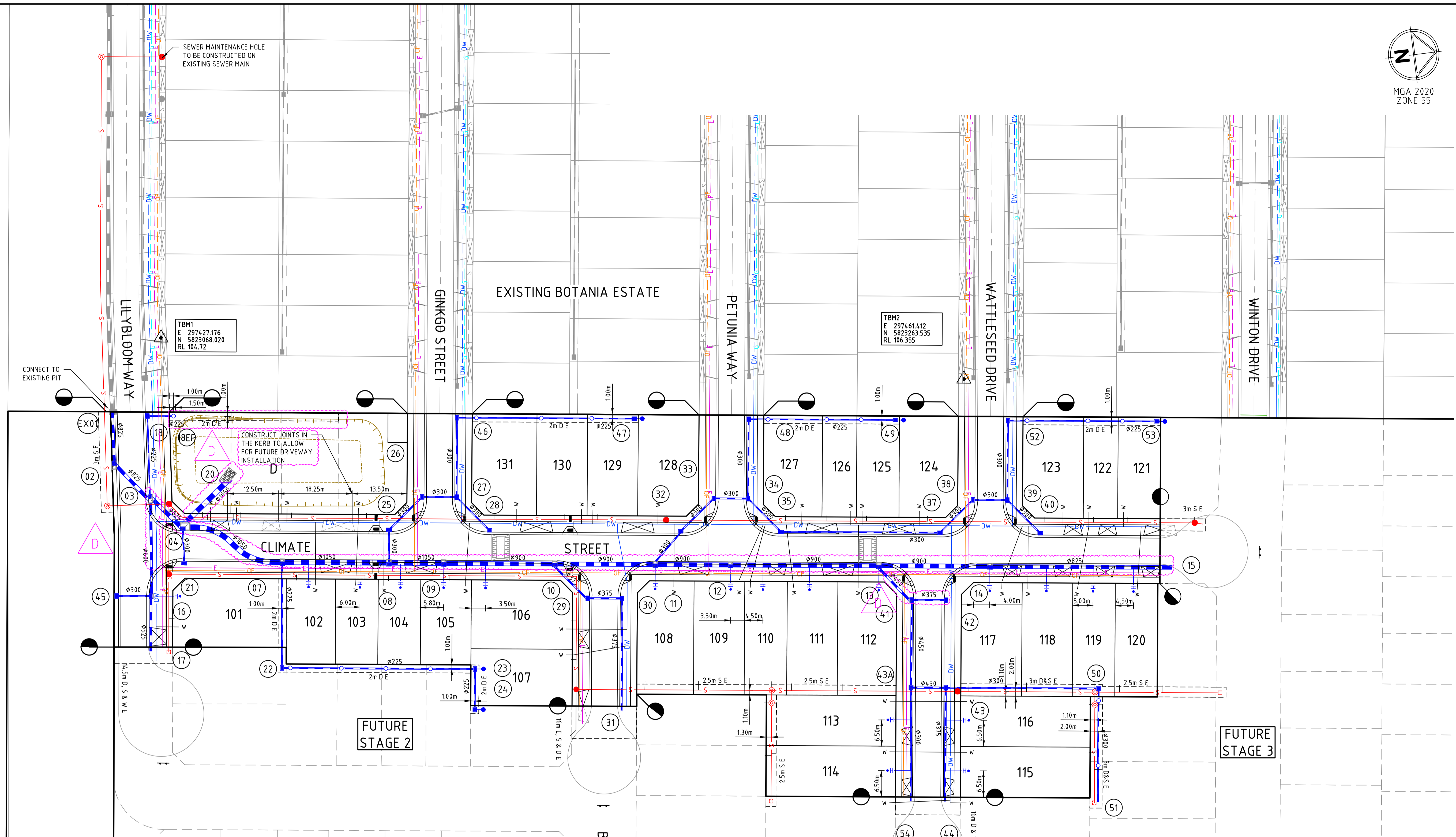
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SOCIETY 1056
STAGE 1
ROAD AND DRAINAGE
ROAD LAYOUT PLANS
MELTON CITY COUNCIL
YOURLAND
PRELIMINARY

Drg No
309675-001CR200
 Rev
E

file name: 309675-001CR200.dwg, layout name: C0200, plotted by: M.Holmes, Date: 14/06/2024, 3:58 PM, Sheet: 2 of 22 Sheets



SERVICE LOCATION TABLE

ROAD NAME	POTABLE WATER		NBN (TELECOM)		ELECTRICITY			
	SIDE	OFFSET	SIDE	OFFSET	POLE		U/G CABLE	
					SIDE	OFFSET	SIDE	OFFSET
CLIMATE STREET	W	2.00	E	1.90	E	1.00x	E	2.60
WINTON DRIVE	N	2.50	S	1.90	S	1.00x	S	2.60
BLADE CIRCUIT	N	2.50	S	1.90	S	1.00x	S	2.60
LILYBLOOM WAY	N	4.10	N	1.90	N	1.00x	N	2.60
GINKGO STREET	N	2.50	S	1.90	S	1.00x	S	2.60
PETUNIA WAY	N	2.50	S	1.90	S	1.00x	S	2.60
WATTLESEED DRIVE	N	2.50	S	1.90	S	1.00x	S	2.60

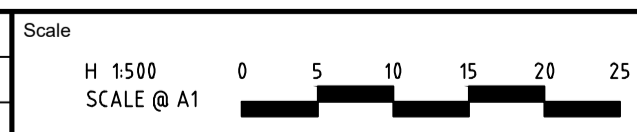
- TELECOMMUNICATIONS AND ELECTRICITY CABLES TO BE CONSTRUCTED IN A COMMON TRENCH IN ACCORDANCE WITH ELECTRICITY AUTHORITY STANDARD DRG's.
- x = OFFSET FROM BACK OF KERB



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Rev	Amendments	Approved	Date
D	DRAINAGE UPSIZED TO Q100	M.H	14/06/24
C	STREET RENAMED, RB INLET MOVED, SERVICES AMENDED	M.F	02/02/24
B	ISSUED FOR APPROVAL	M.F	10/11/23
A	ISSUED FOR TENDER	M.F.	05/05/23



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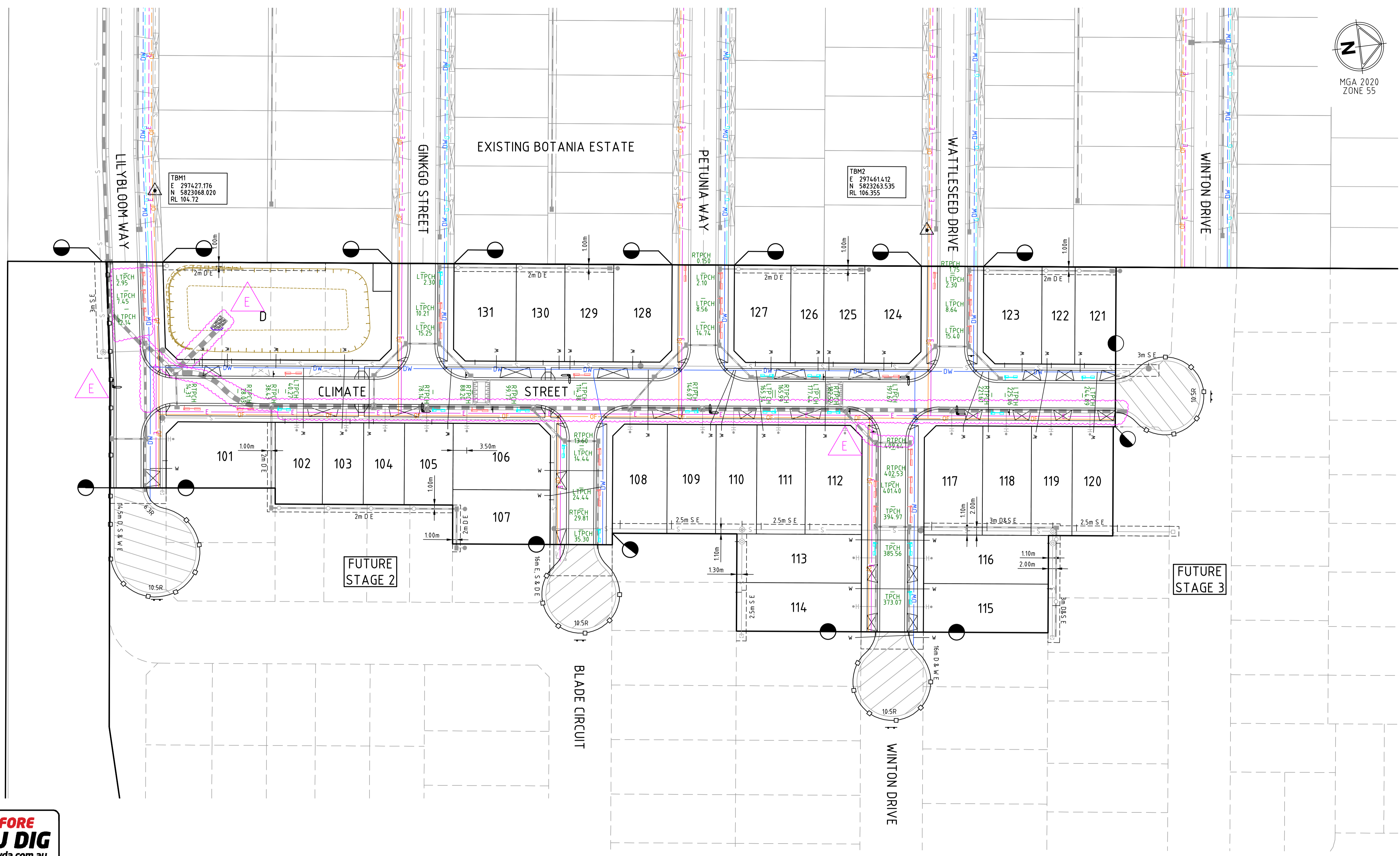
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SOCIETY 1056
STAGE 1
ROAD & DRAINAGE
SERVICE LAYOUT PLAN
 MELTON CITY COUNCIL
 YOURLAND

PRELIMINARY

 Drg No
309675-001CR201

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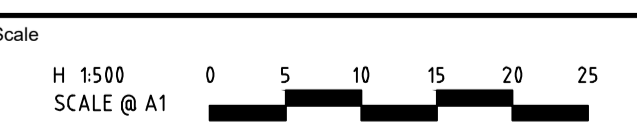
TAYLORS ROAD



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- LEGEND**
- STANDARD - LARGE (PIT 1.5m x 0.55m, 2.0m SPACE)
 - STANDARD - SMALL (PIT 1.5m x 0.55m, 1.3m SPACE)
 - MODIFIED (PIT 1.0m x 0.6m x 0.75m DEEP, 1.3m SPACE)
- FOR FURTHER DETAILS REFER CR701

Rev	Amendments	Approved	Date
E	DRAINAGE UPSIZED TO Q100	M.H	14/06/24
D	STREET RENAMED, RB INLET MOVED, FENCING AND SERVICES AMENDED	M.F	02/02/24
C	COUNCIL COMMENTS ADDRESSED	M.F	19/12/23
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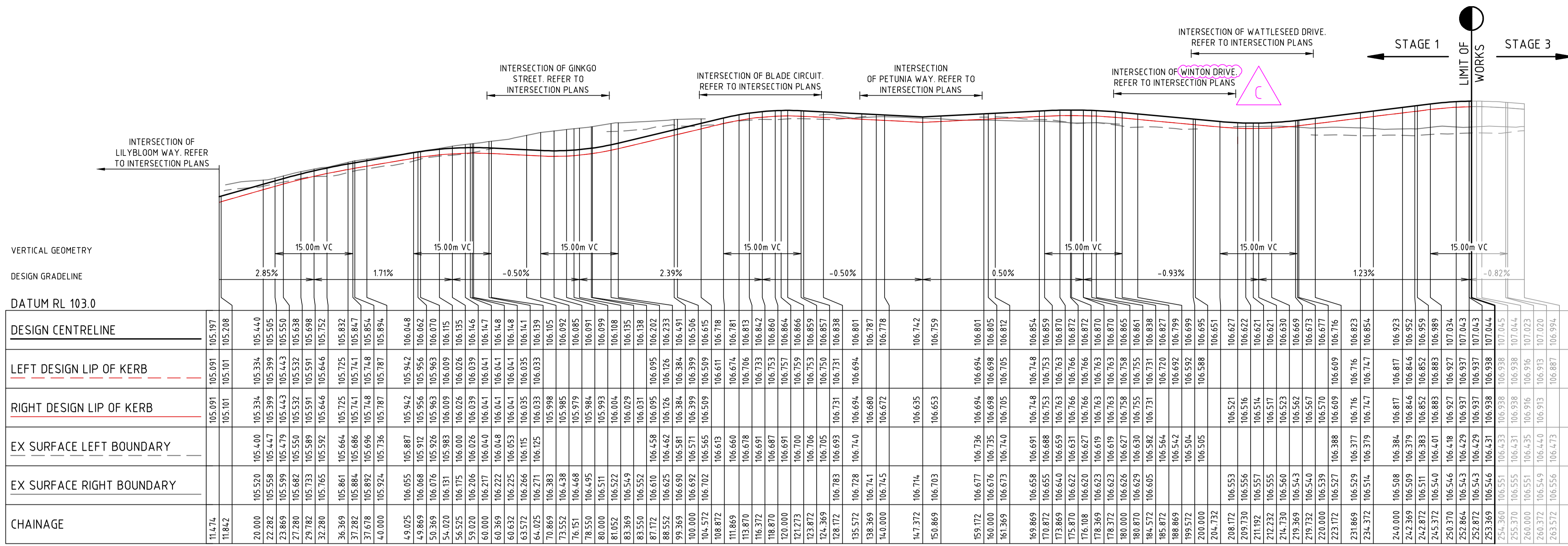
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**SOCIETY 1056
STAGE 1
ROAD & DRAINAGE
PASSIVE IRRIGATION PLAN
MELTON CITY COUNCIL
YOURLAND**

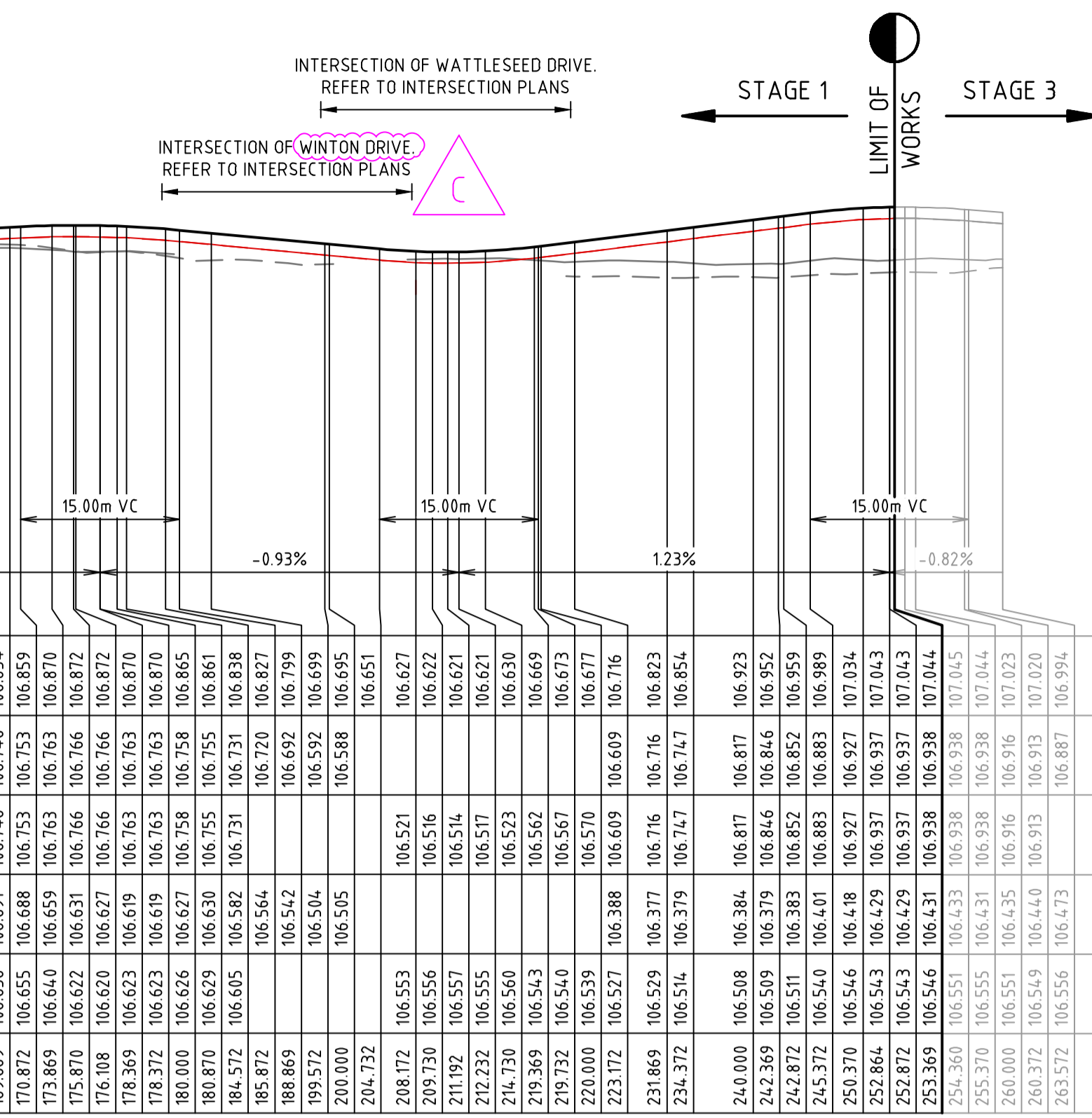
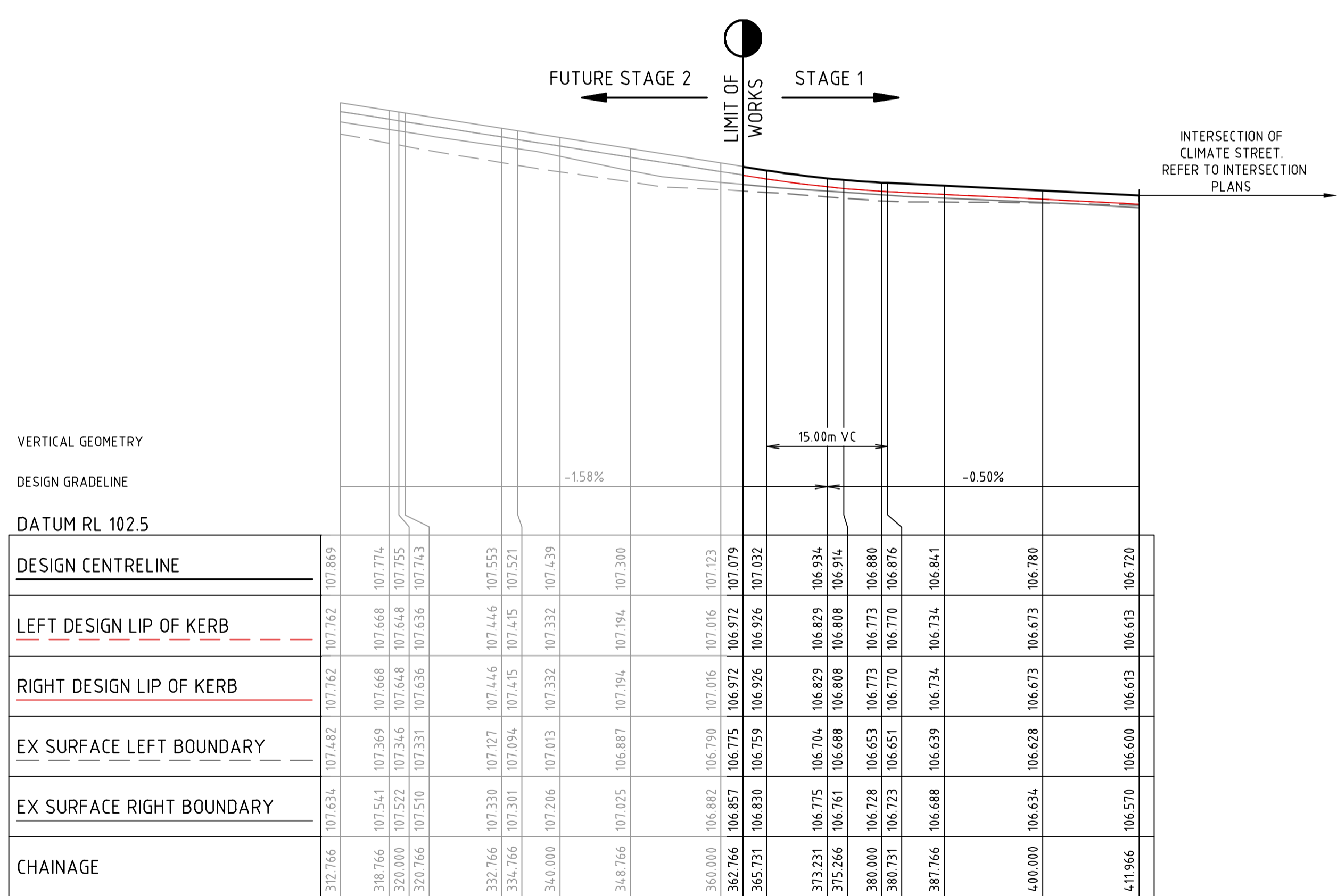
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CLIMATE STREET



BLADE CIRCUIT



WINTON DRIVE

Scale	H 1500 SCALE @ A1 V 150	0 5 10 15 20 25 0 0.5 1 1.5 2 2.5		
Rev	C	SILCRETE STREET RENAMED WINTON DRIVE	M.F.	02/02/24
	B	ISSUED FOR APPROVAL	M.F.	10/11/23
	A	ISSUED FOR TENDER	M.F.	05/05/23
	Amendments		Approved	Date

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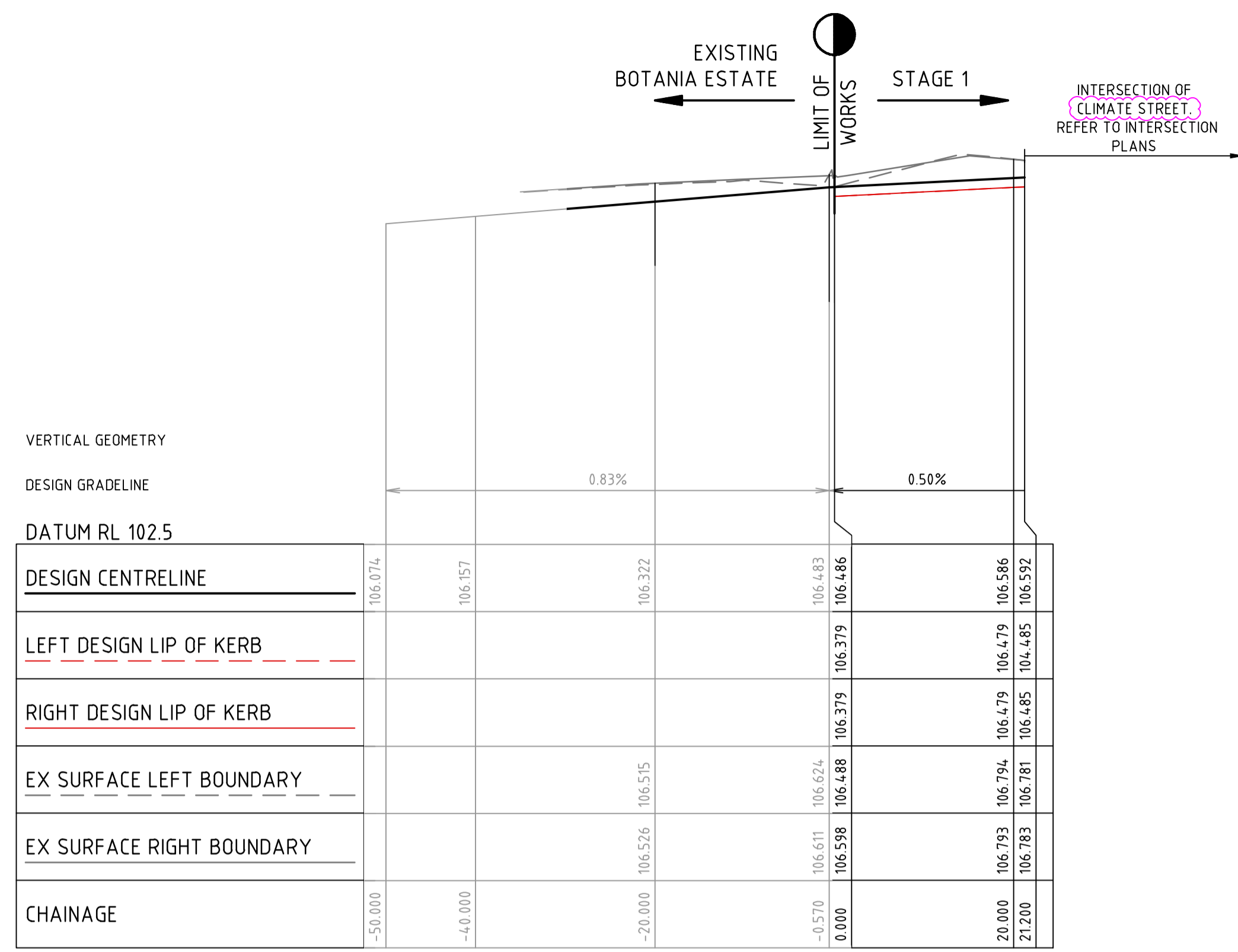
SOCIETY 1056
STAGE 1
ROAD AND DRAINAGE
ROAD LONGITUDINAL SECTIONS - SHEET 1
MELTON CITY COUNCIL
YOURLAND

PRELIMINARY

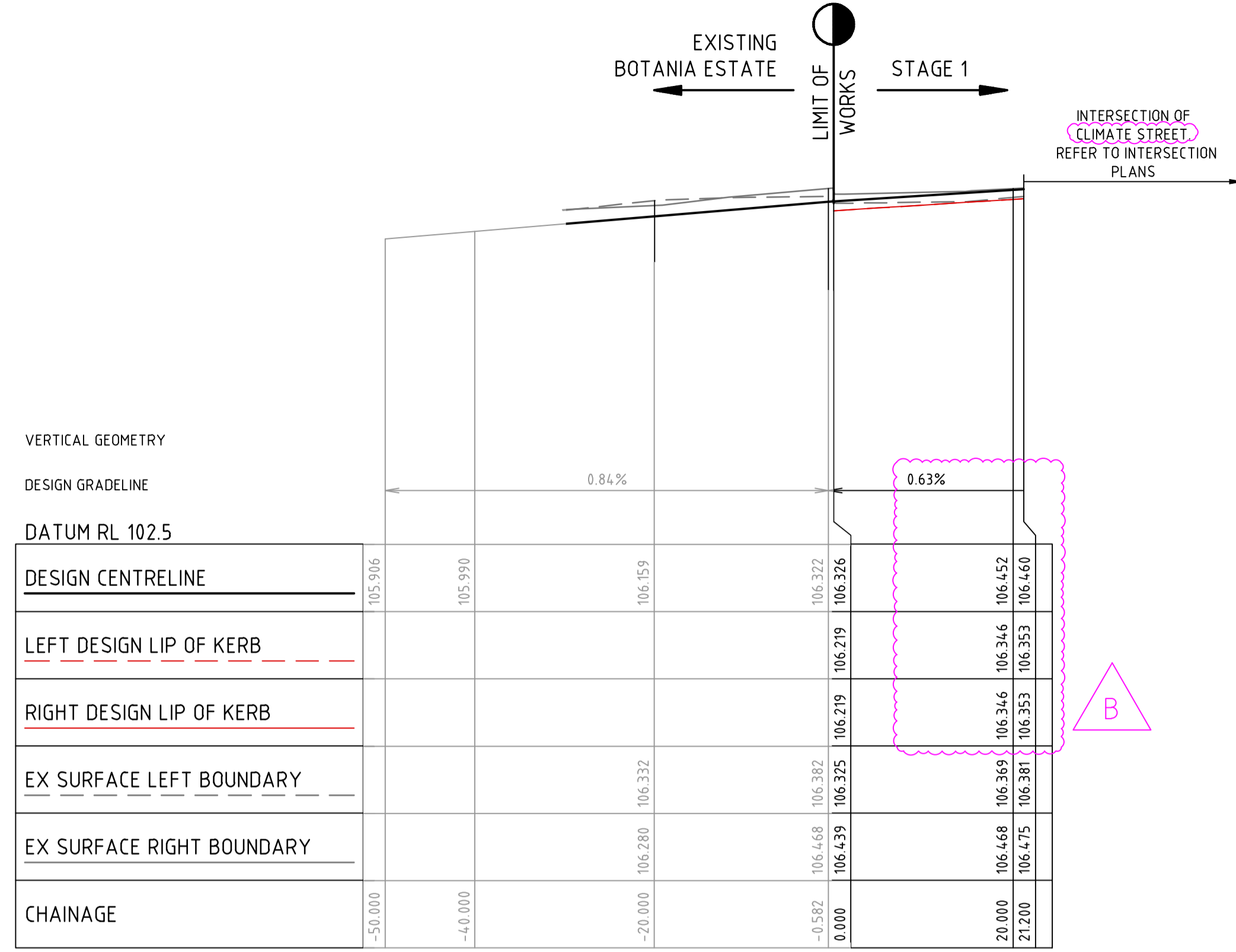
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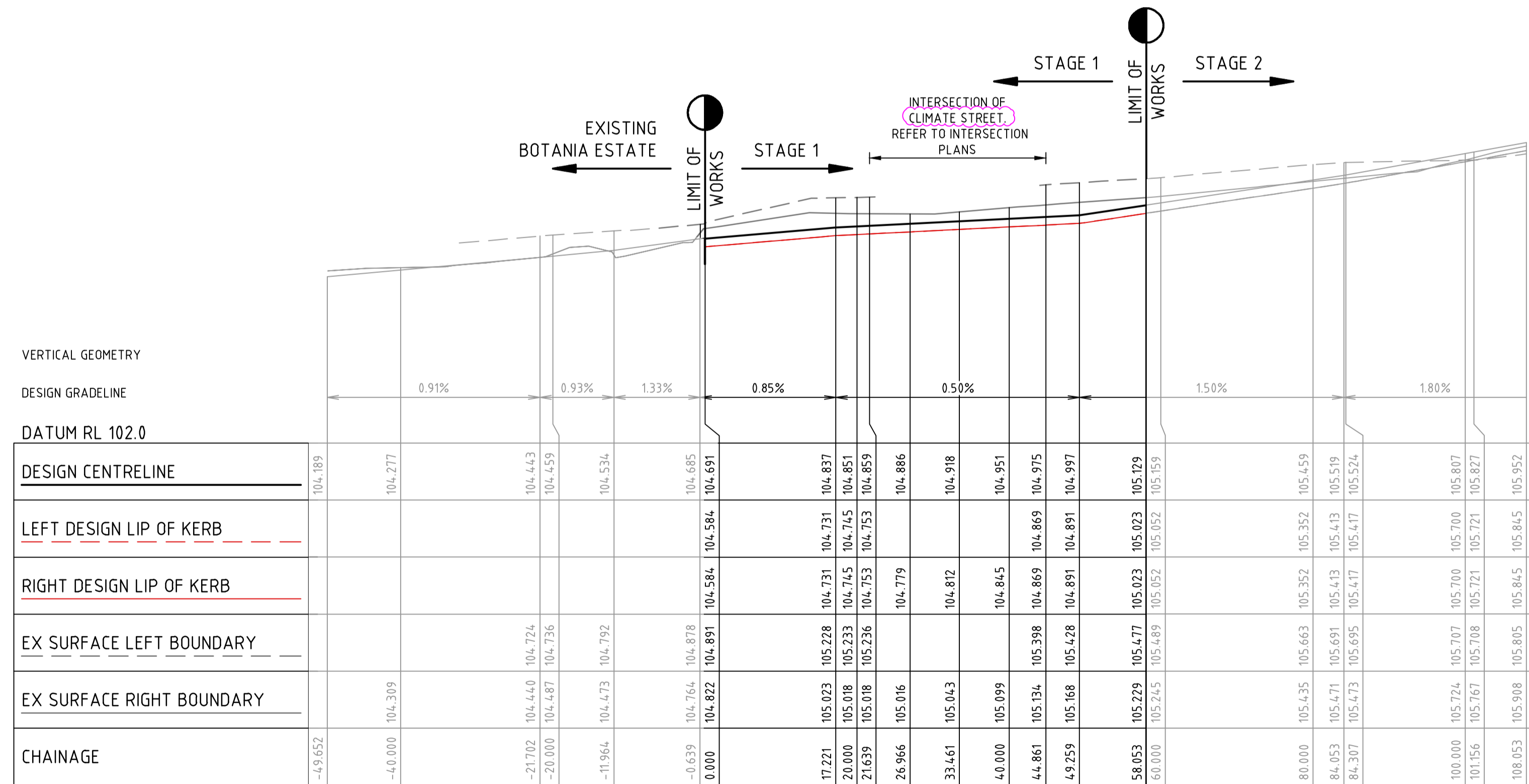
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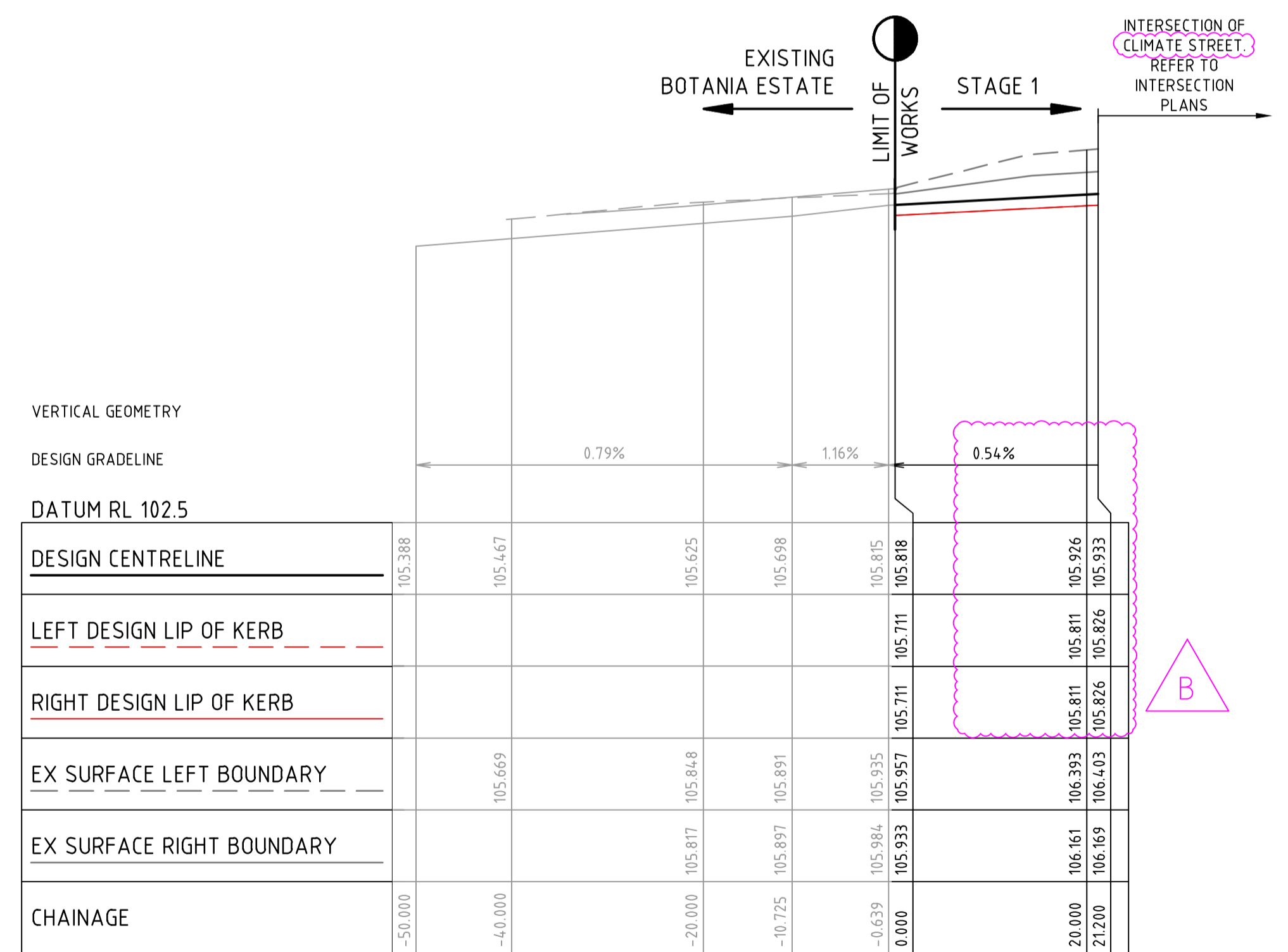
PETUNIA WAY



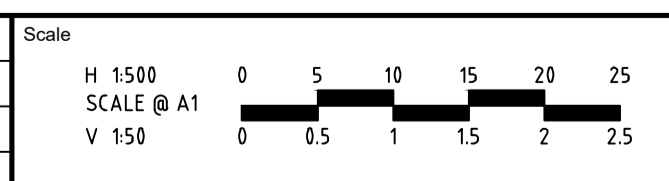
WATLESEED DRIVE



LILYBLOOM WAY



GINKGO STREET



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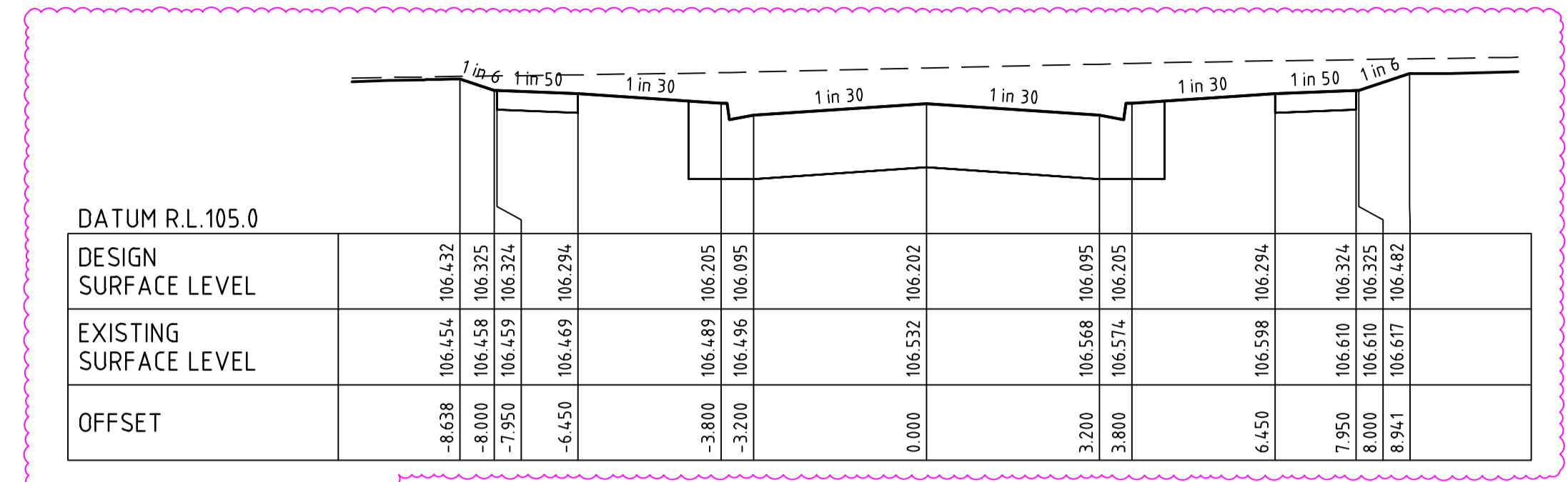
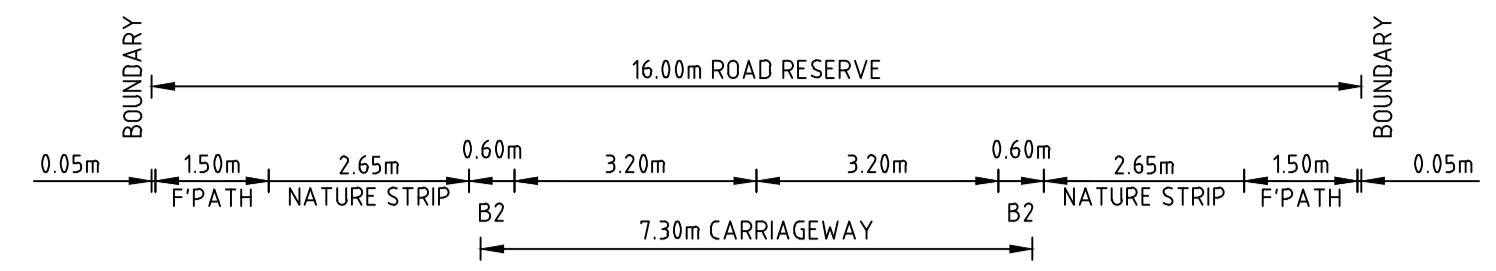


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P. COLLIER
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C. DOBRZELAK
Date
14/06/24

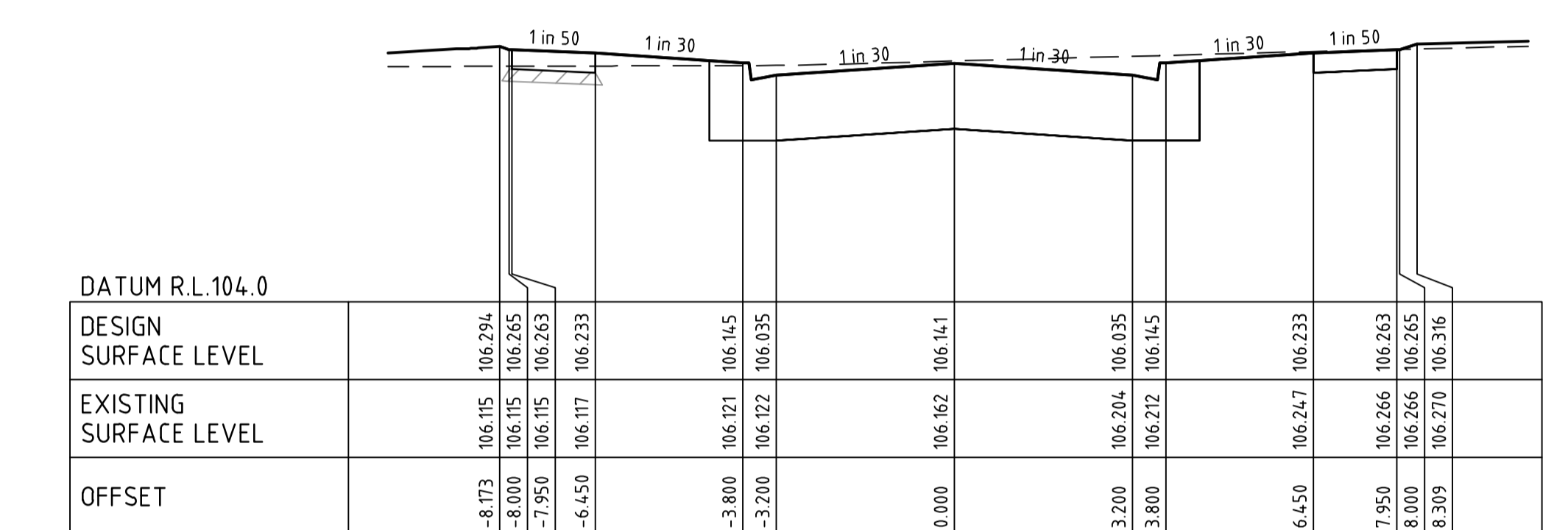
SOCIETY 1056
STAGE 1
ROAD AND DRAINAGE
ROAD LONGITUDINAL SECTIONS - SHEET 2
MELTON CITY COUNCIL
YOURLAND

PRELIMINARY Drg No 309675-001CR301 Rev B

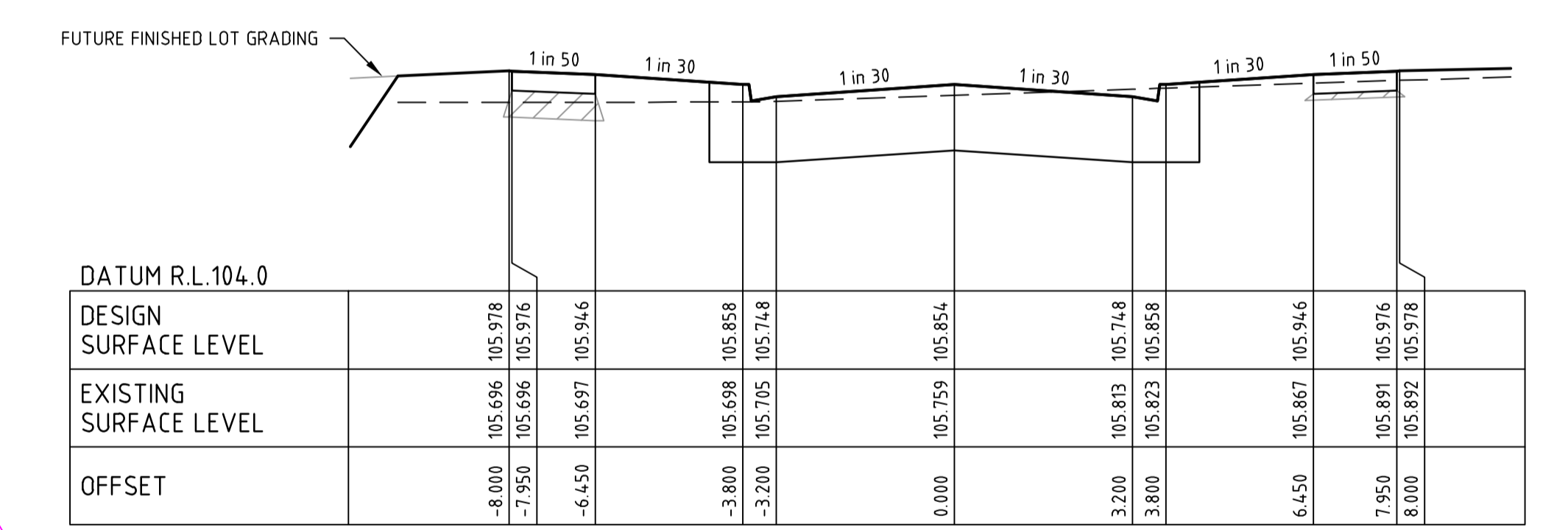
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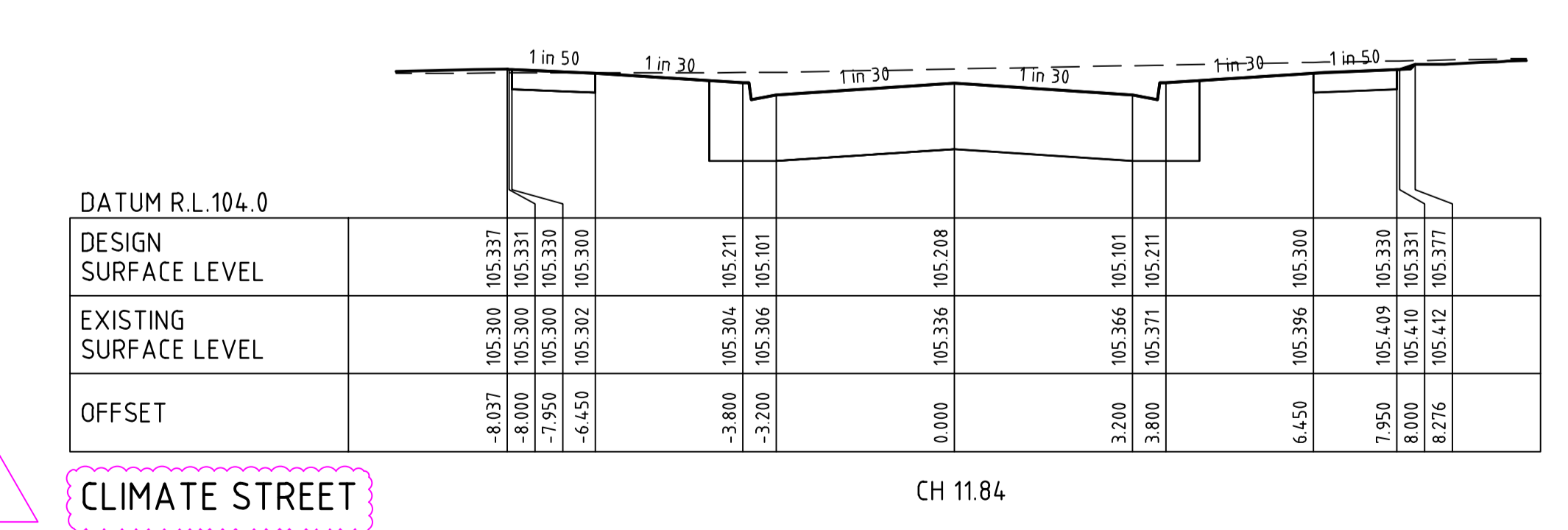
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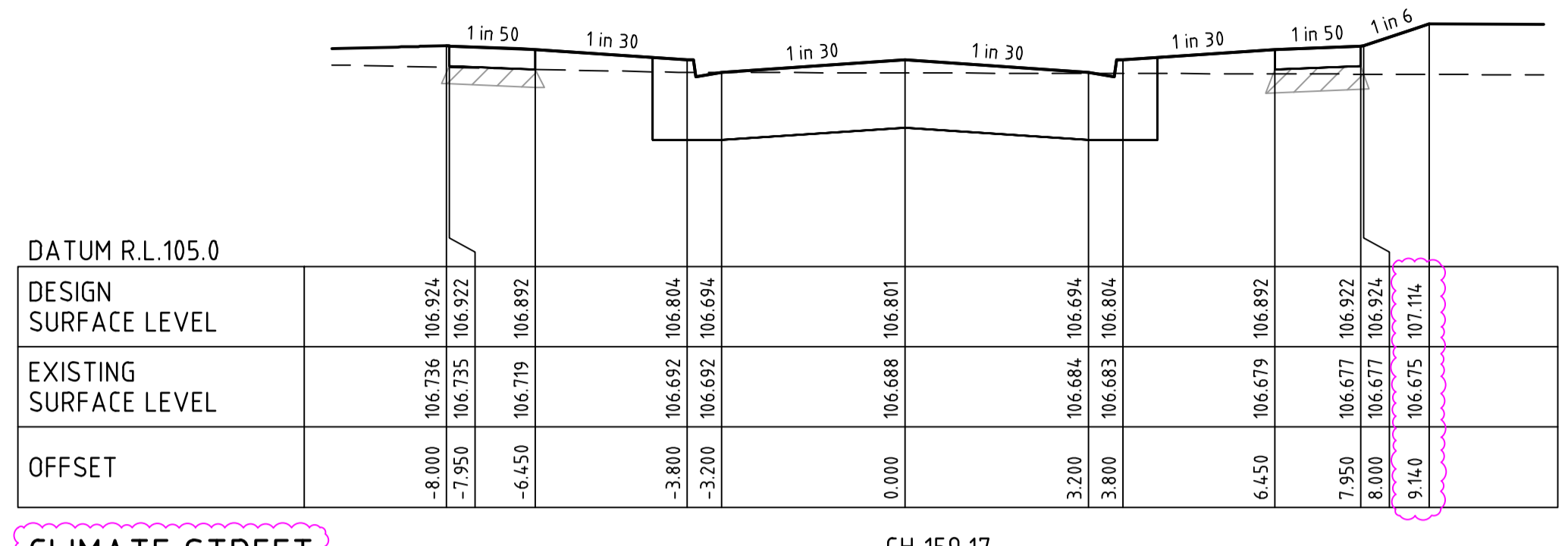
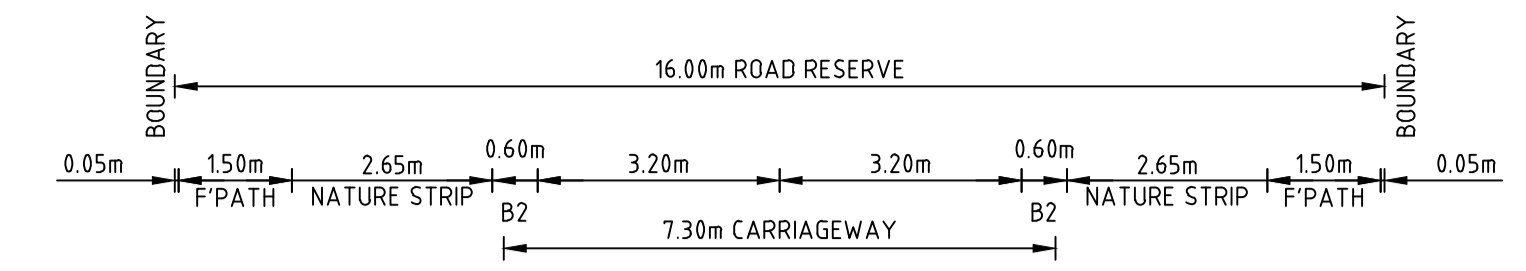
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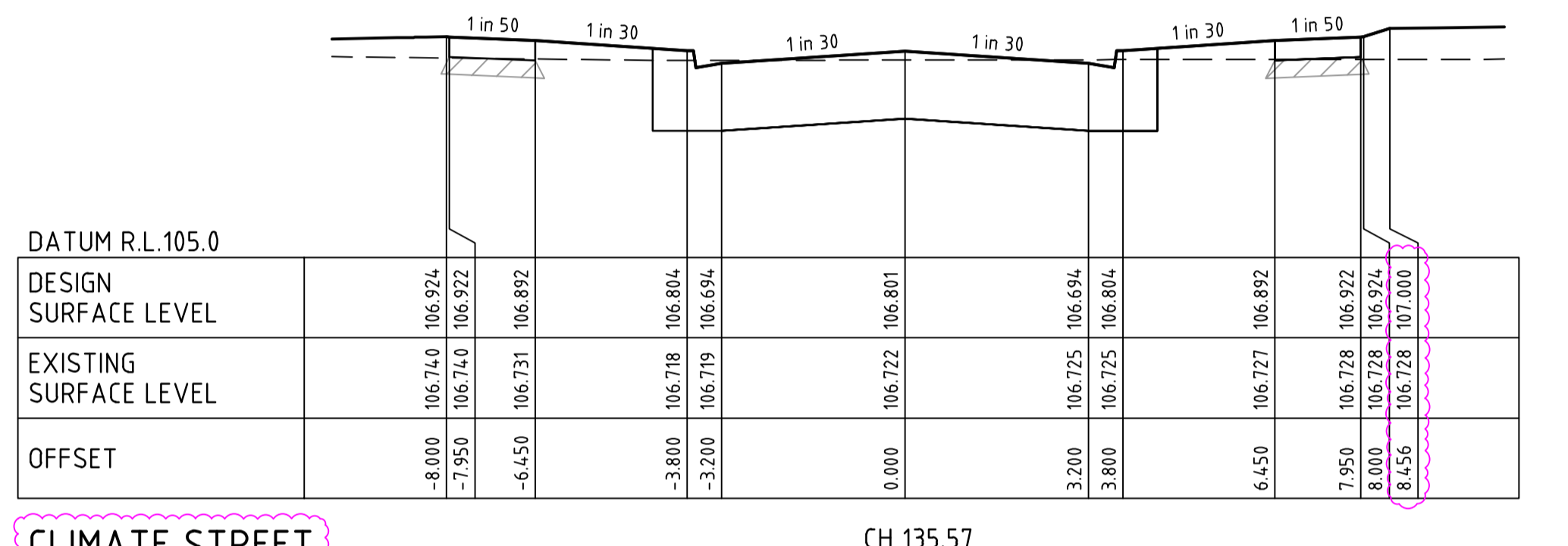
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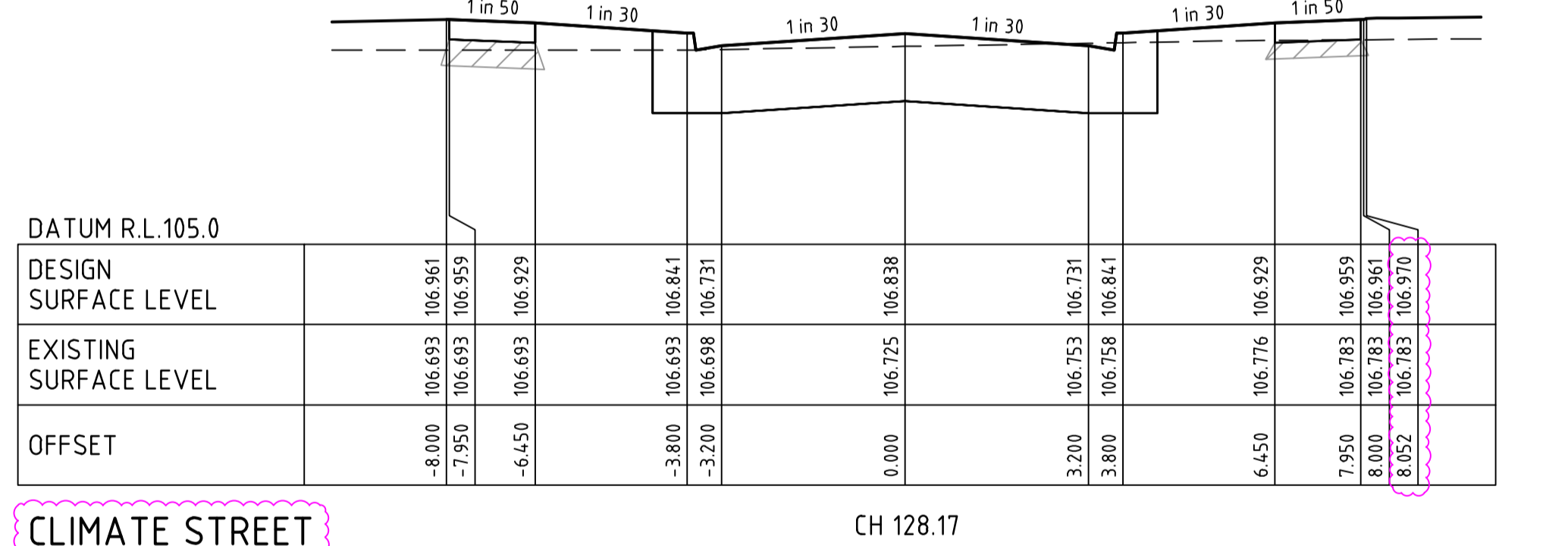
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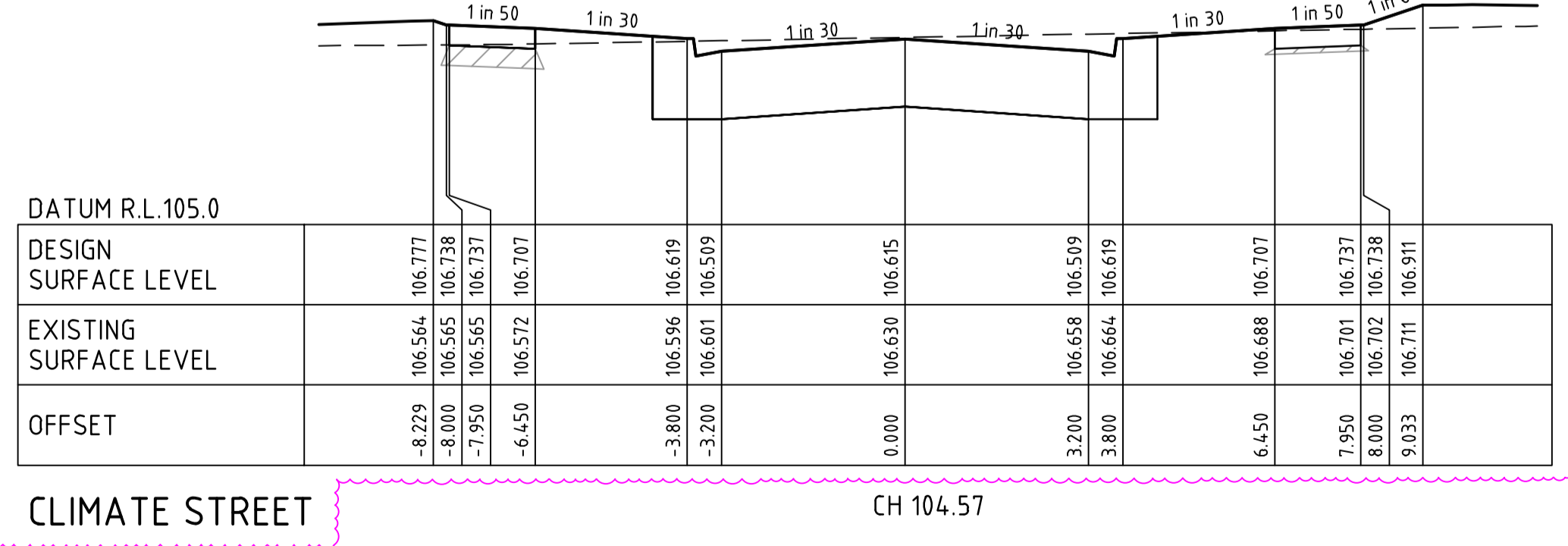
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CLIMATE STREET CH 135.57



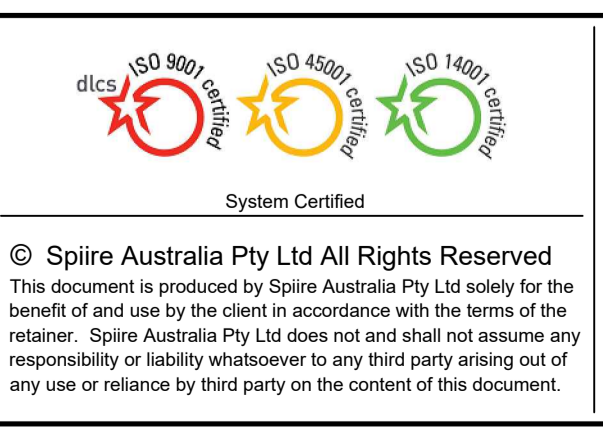
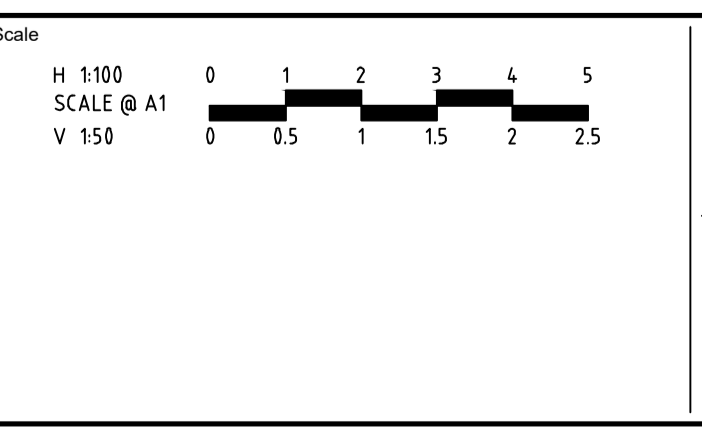
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CLIMATE STREET CH 104.57

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Rev	Amendments	Approved	Date
B	ISSUED FOR APPROVAL	M.F	10/11/23
A	ISSUED FOR TENDER	M.F.	05/05/23

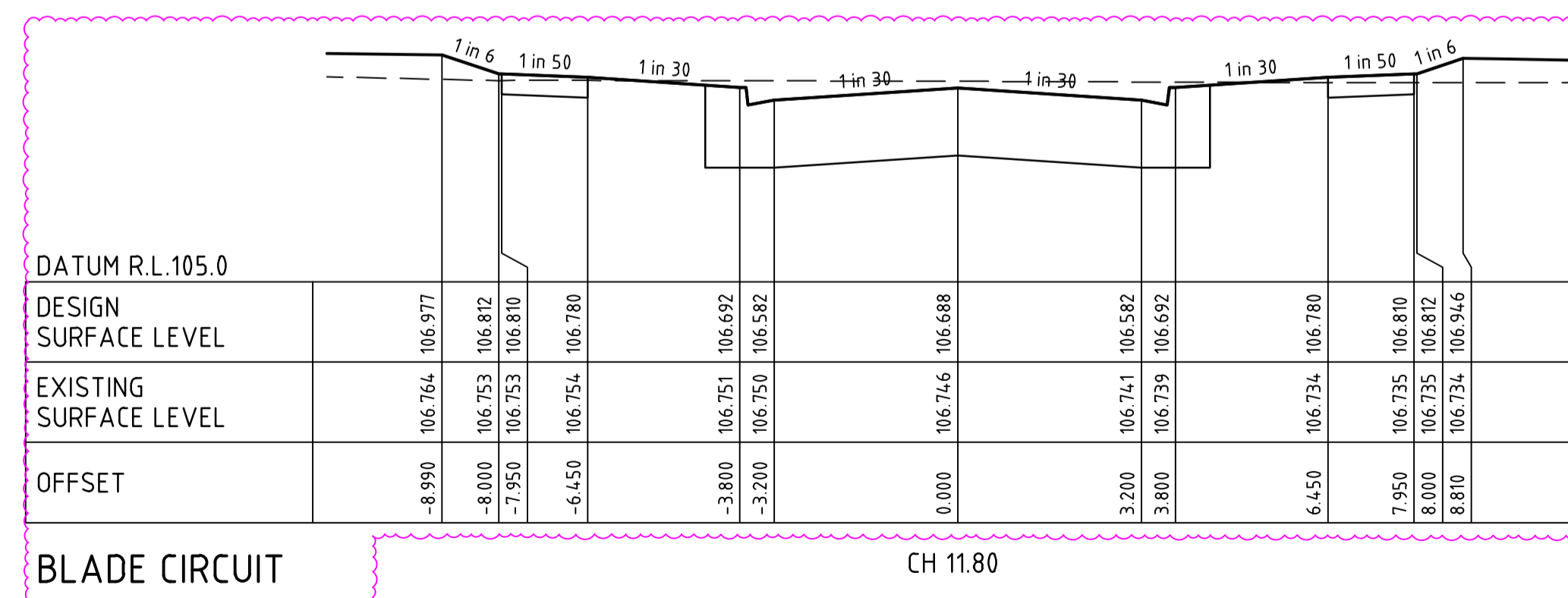
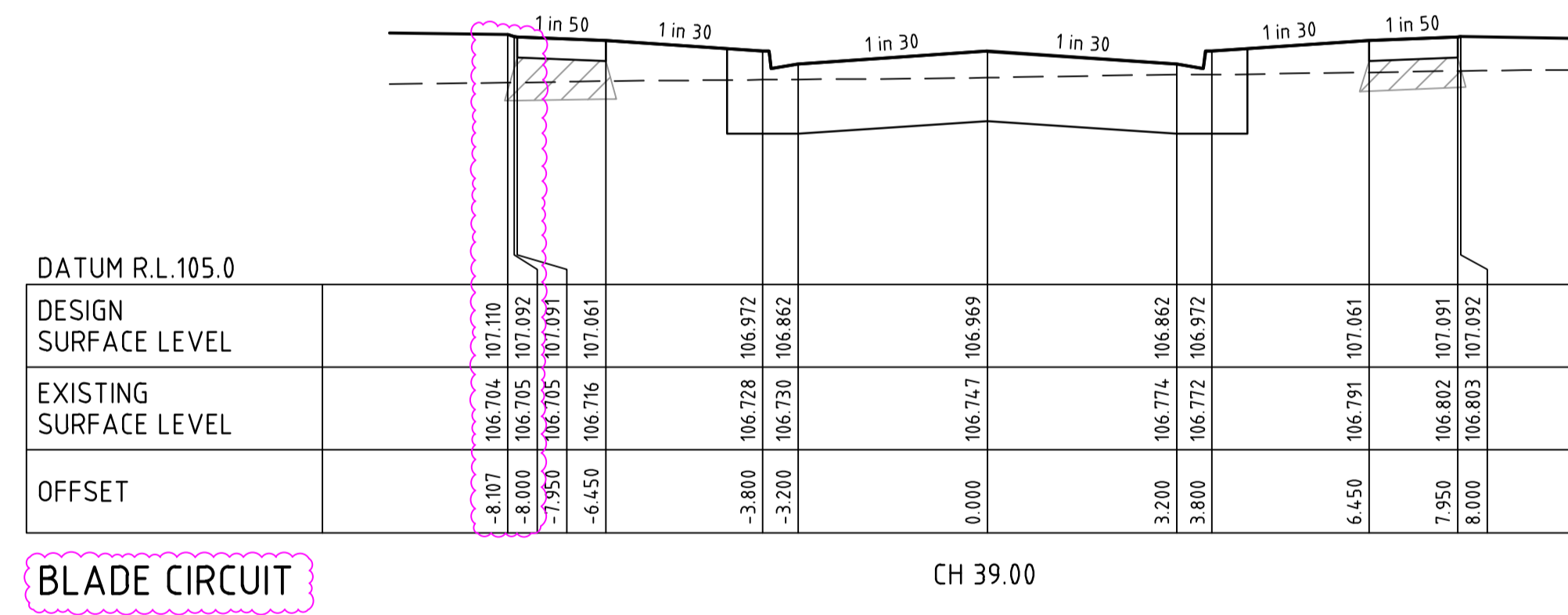
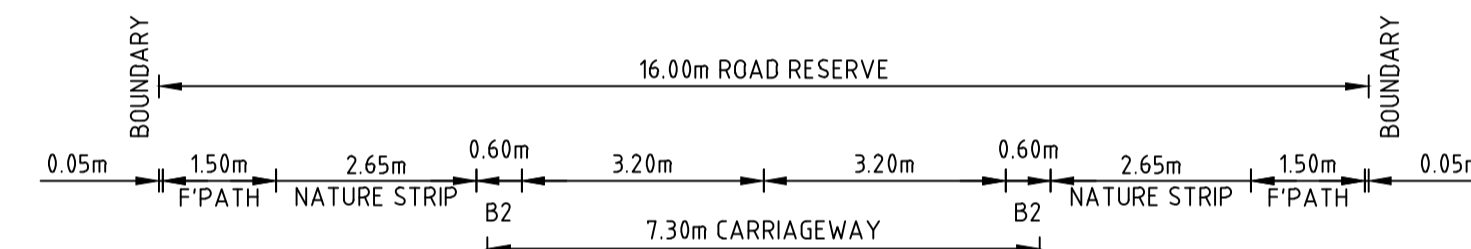
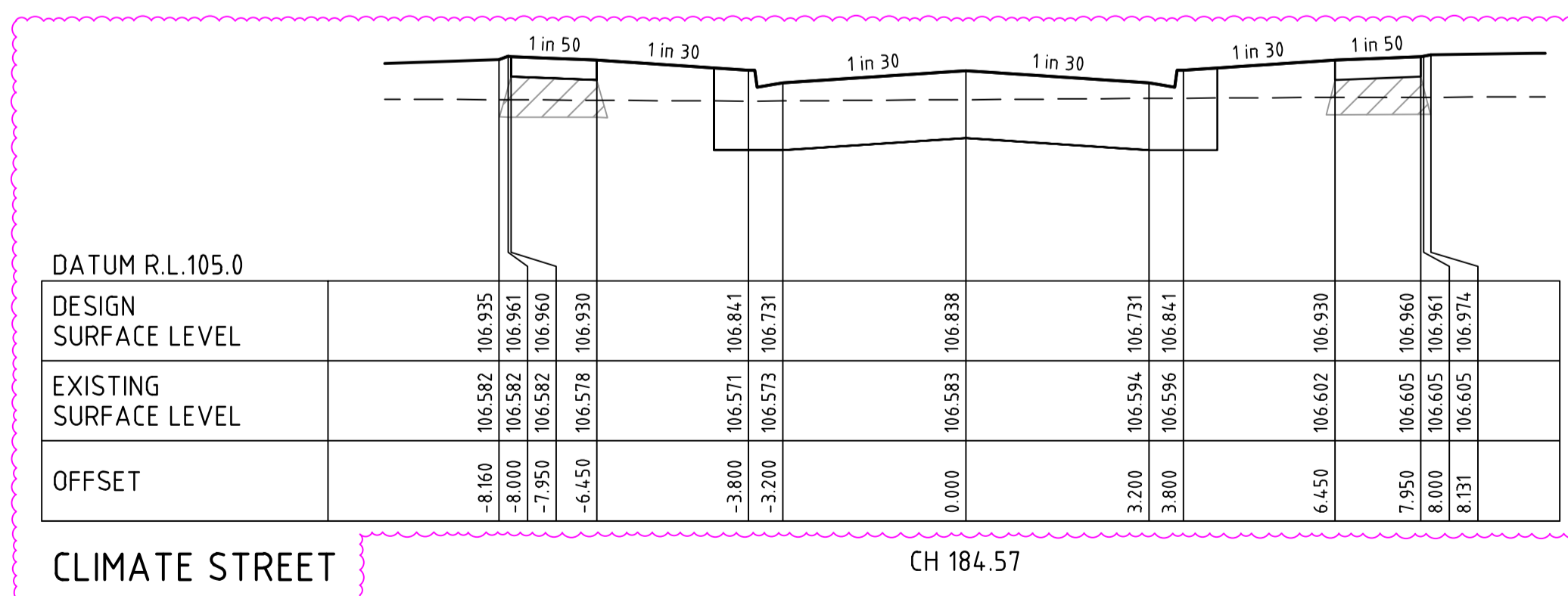
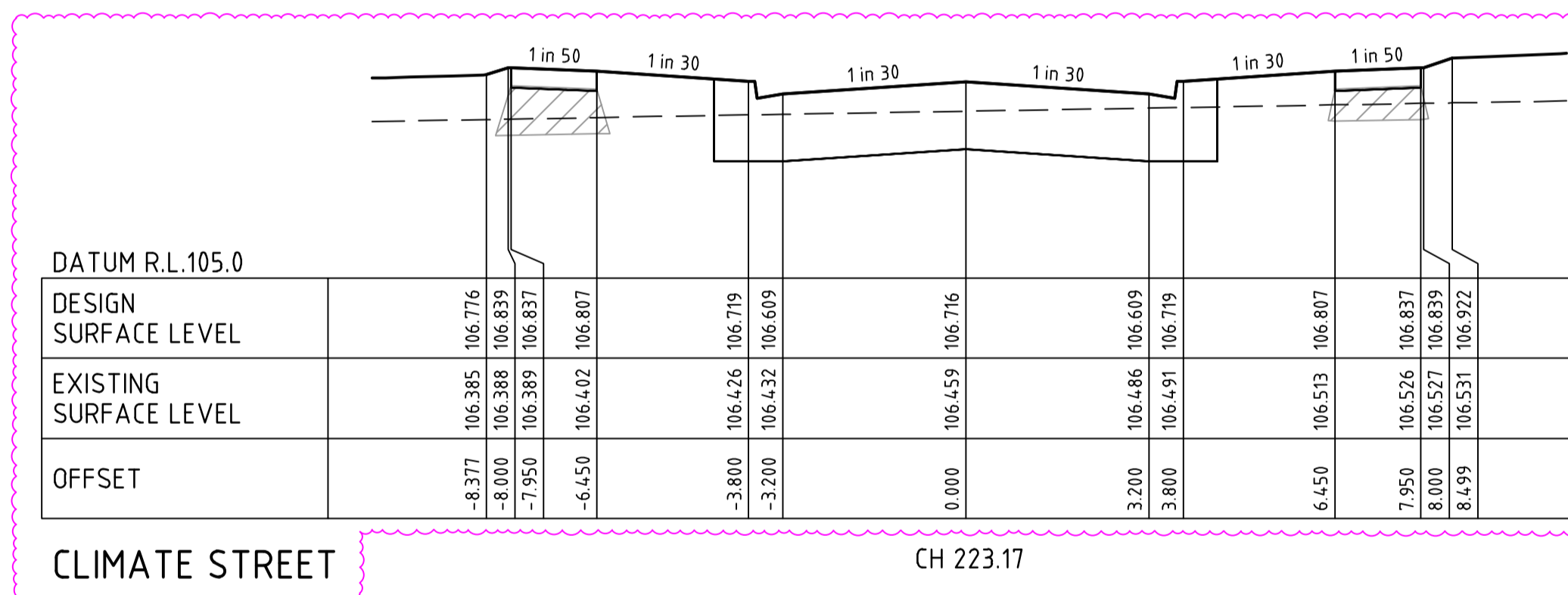
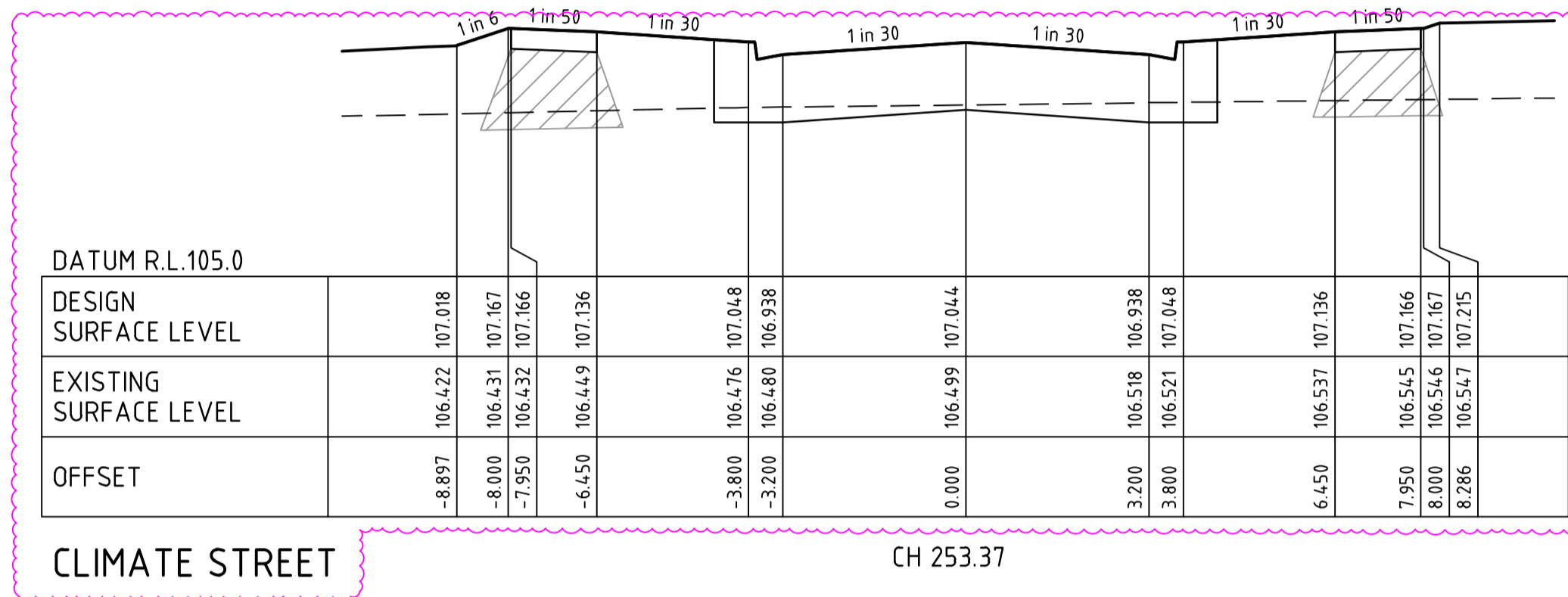
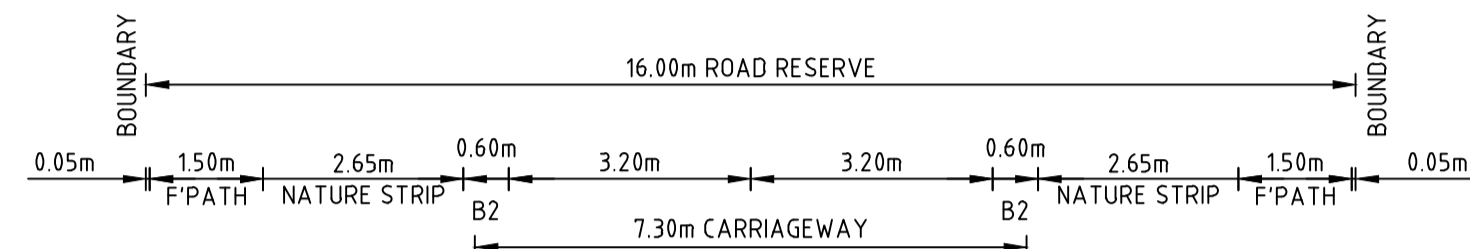


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 Designed: P.COLLIER
 Authorised: M.HOLMES
 Checked: C.DOBRZELAK
 Date: 14/06/24

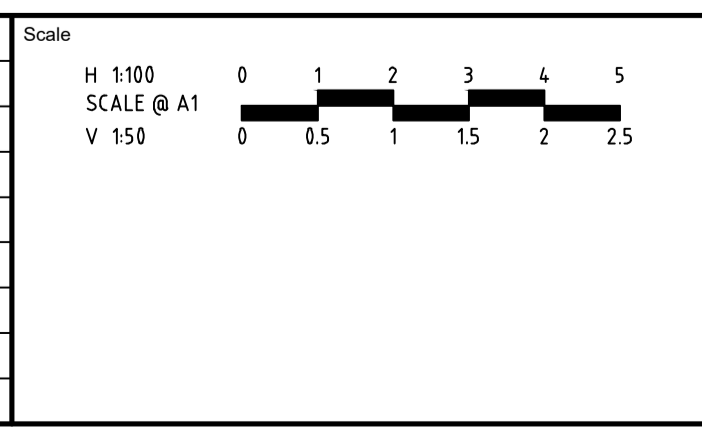
SOCIETY 1056
 STAGE 1
 ROAD AND DRAINAGE
 ROAD CROSS SECTIONS - SHEET 1
 MELTON CITY COUNCIL
 YOURLAND
PRELIMINARY Drg No 309675-001CR400 Rev B

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.



file name: 309675-001CR400.dwg, layout: as per, plot date: 14/06/2024, 3:58 PM, Sheet: 8 of 22 Sheets

Rev	Amendments	Approved	Date
B	ISSUED FOR APPROVAL	M.F.	10/11/23
A	ISSUED FOR TENDER	M.F.	05/05/23



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Designed
 P. COLLIER

Authorised
 M. HOLMES

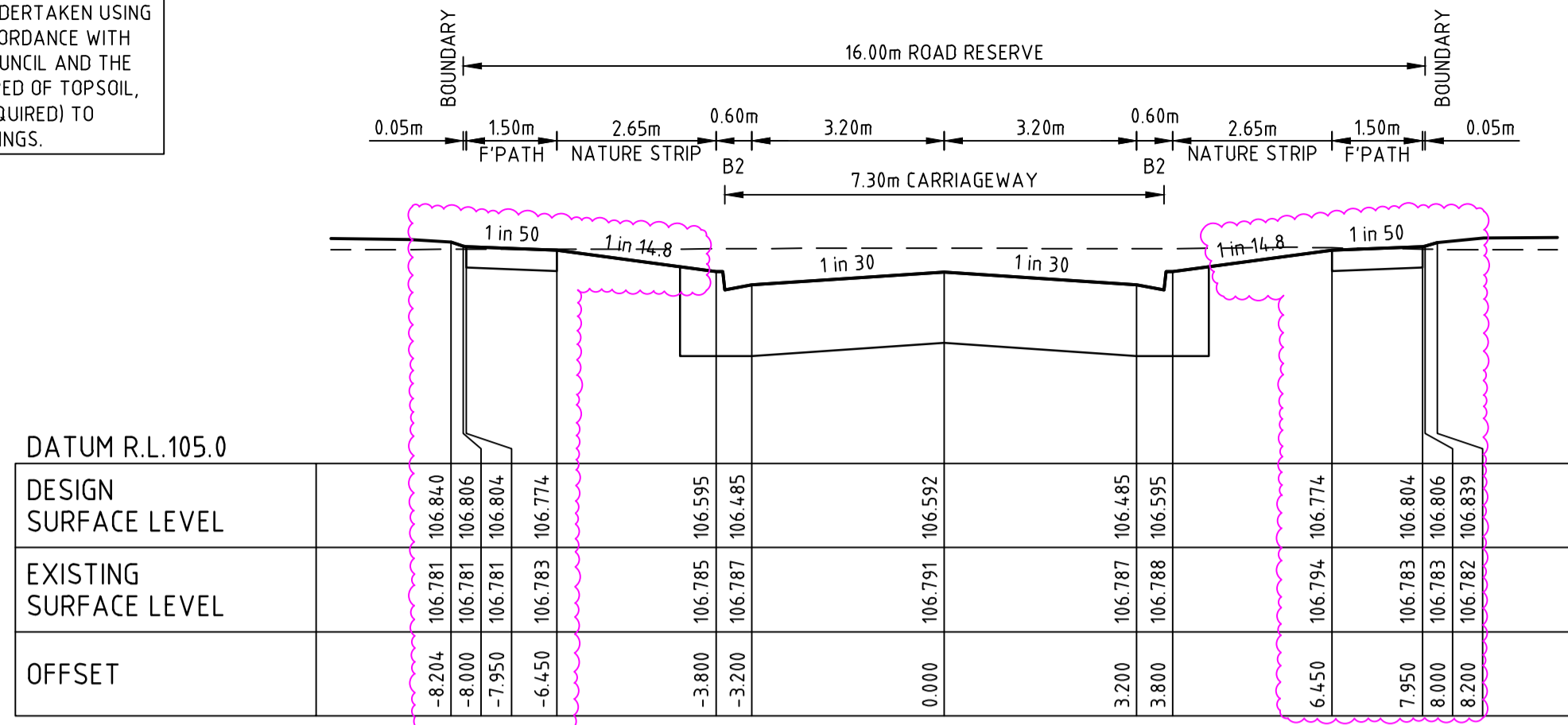
Checked
 C. DOBRZELAK

Date
 14/06/24

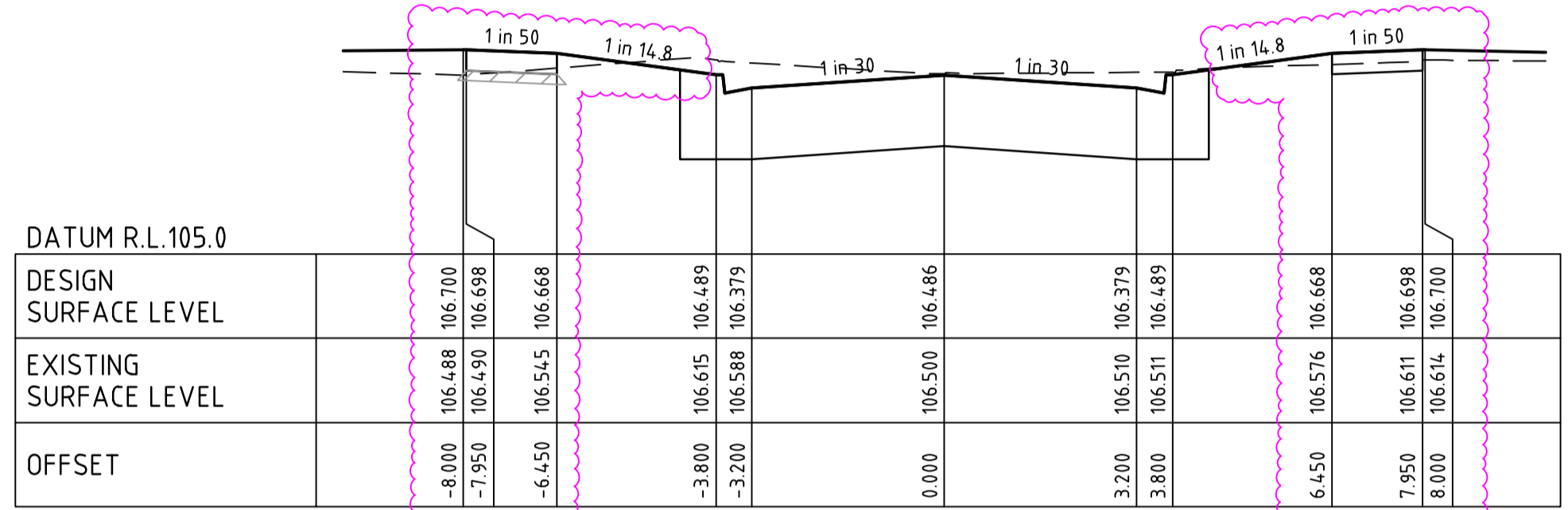
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STAGE 1
ROAD & DRAINAGE
ROAD CROSS SECTIONS - SHEET 2
 MELTON CITY COUNCIL
 YOURLAND

PRELIMINARY Drg No 309675-001CR401 Rev B

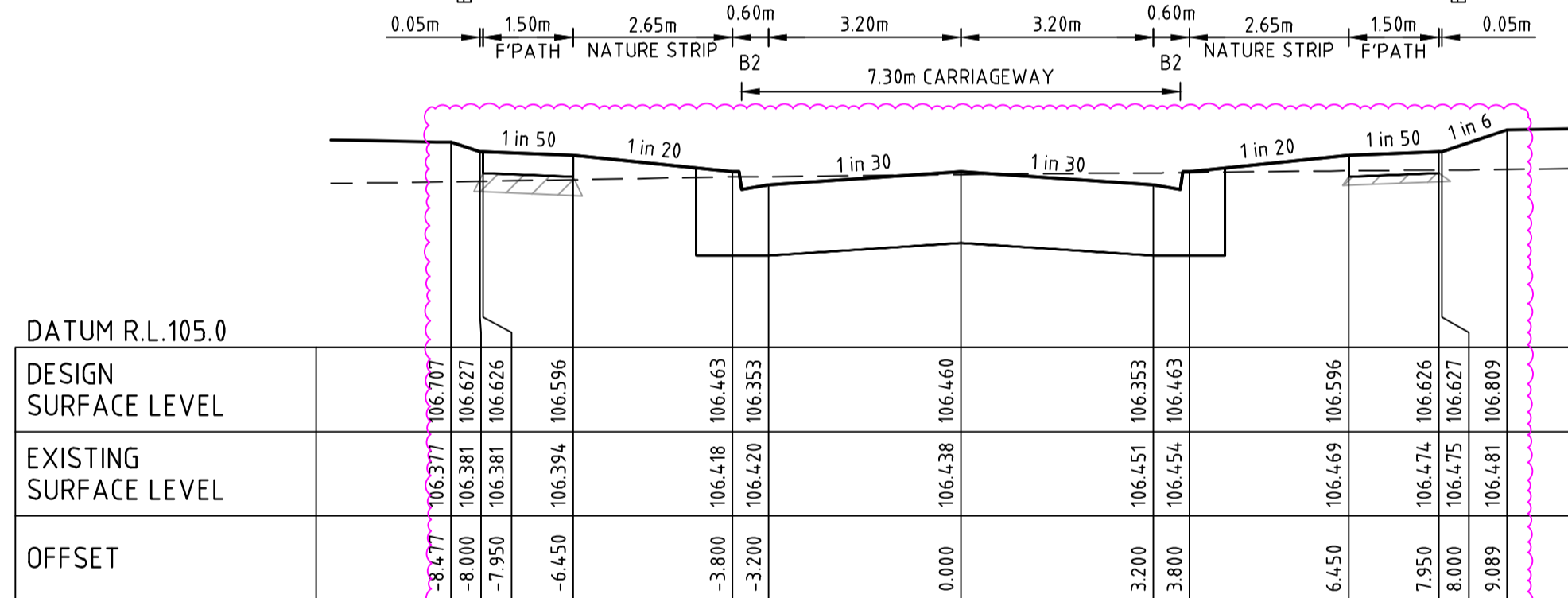
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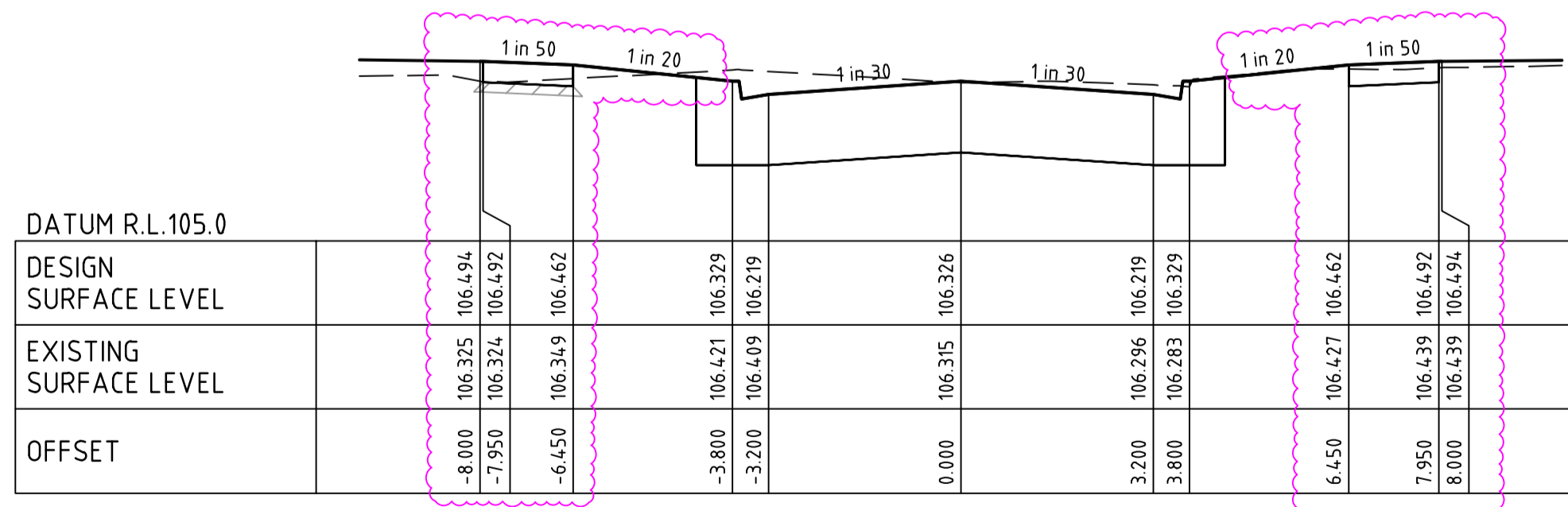
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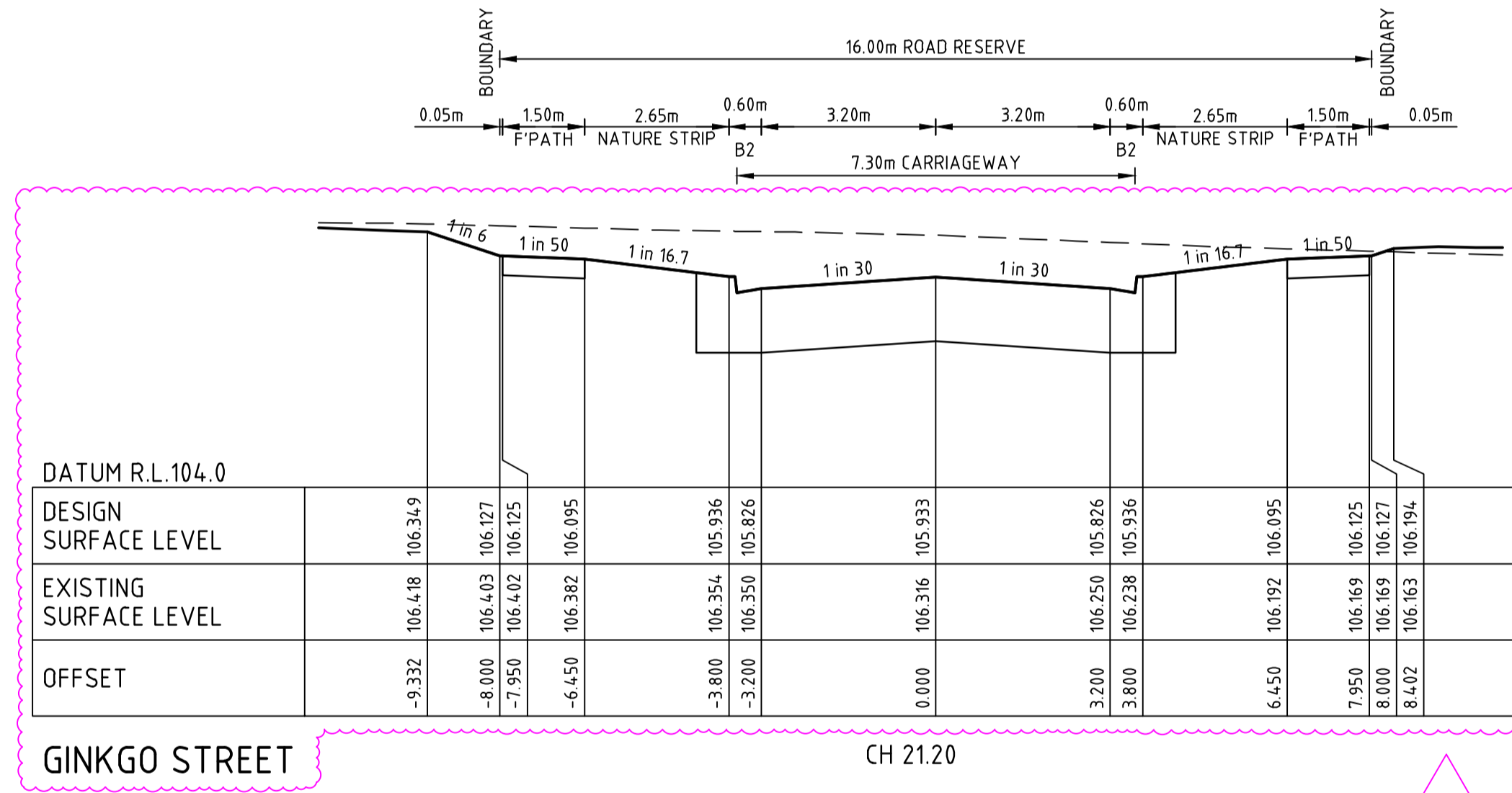
PETUNIA WAY CH 0.00



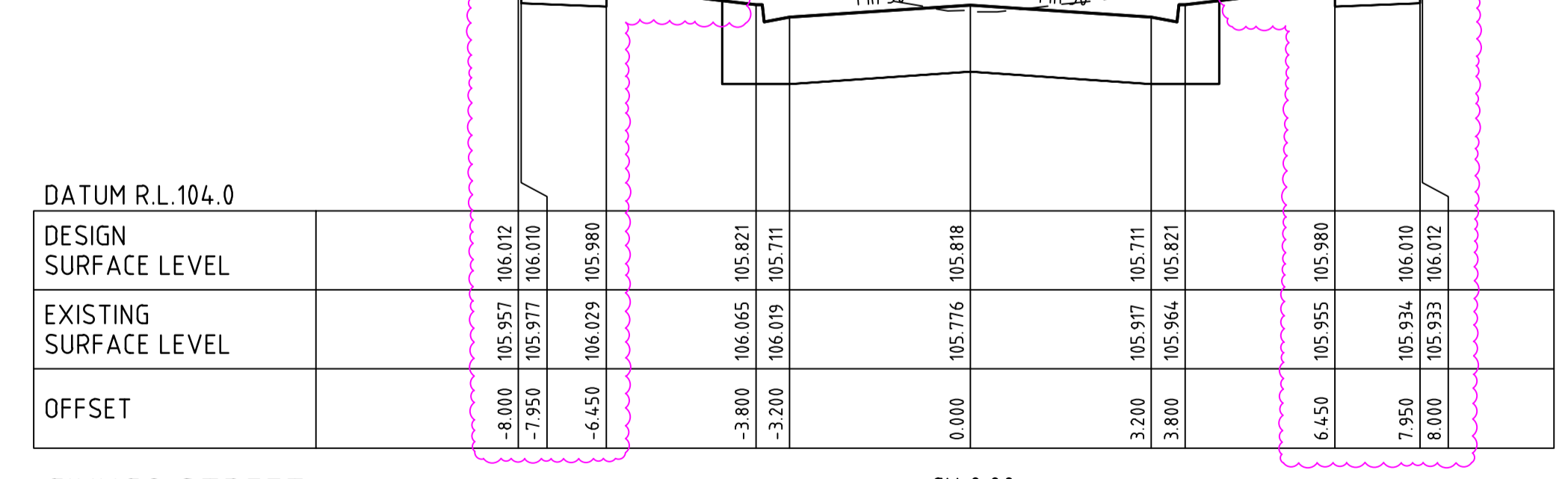
WATTLESEED DRIVE CH 21.20



WATTLESEED DRIVE CH 0.00



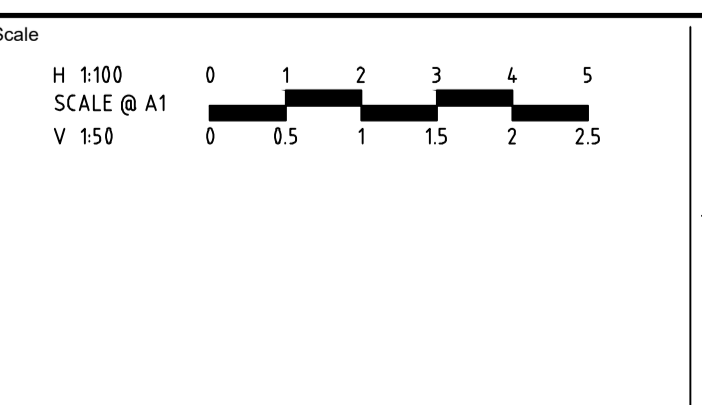
GINKGO STREET CH 21.20



GINKGO STREET CH 0.00

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Rev	Amendments	Approved	Date
B	ISSUED FOR APPROVAL	M.F	10/11/23
A	ISSUED FOR TENDER	M.F.	05/05/23



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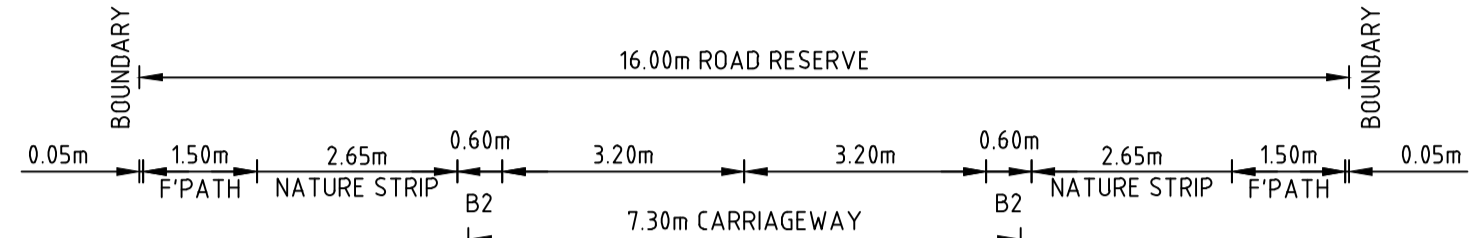
Designed P. COLLIER
 Authorised M. HOLMES
 Checked C. DOBRZELAK
 Date 14/06/24

SOCIETY 1056
STAGE 1
ROAD & DRAINAGE
ROAD CROSS SECTIONS - SHEET 3
 MELTON CITY COUNCIL
 YOURLAND

PRELIMINARY

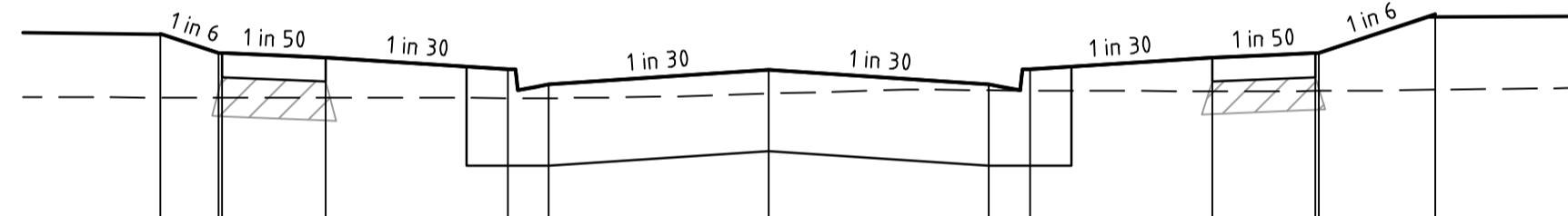
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FILLING NOTE
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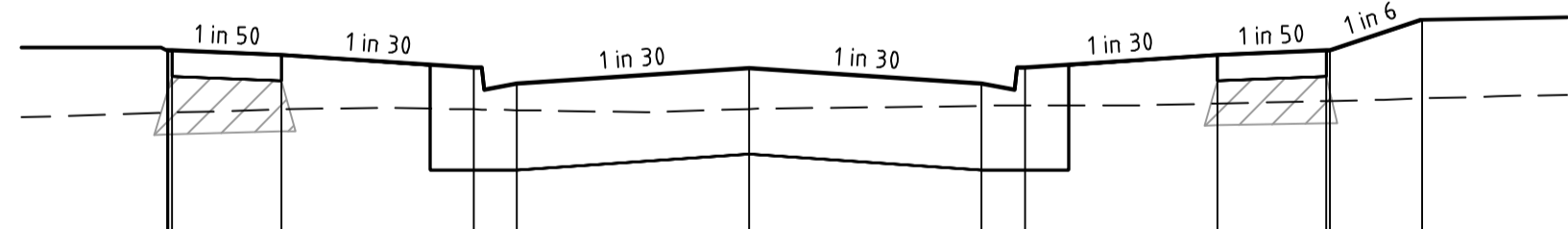
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EXISTING SURFACE LEVEL	
OFFSET	

WINTON DRIVE CH 411.97



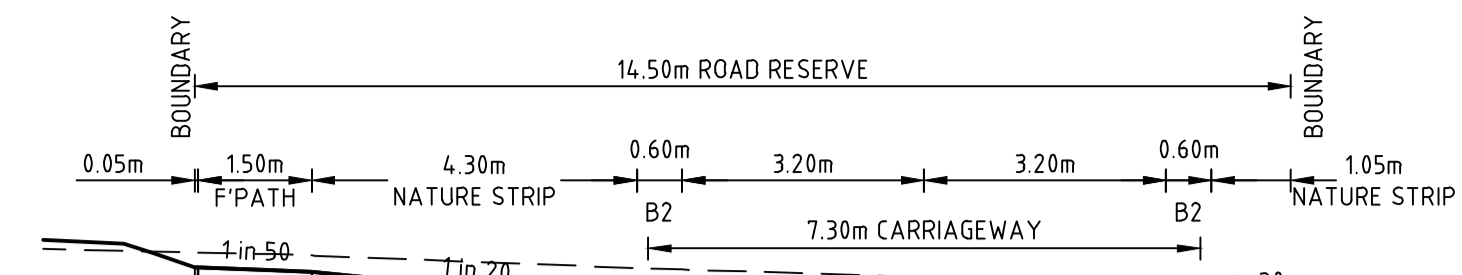
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EXISTING SURFACE LEVEL	
OFFSET	

WINTON DRIVE CH 387.77



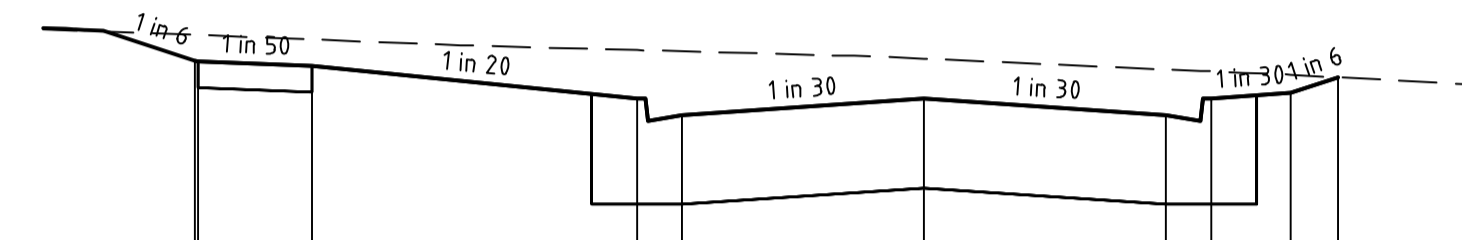
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EXISTING SURFACE LEVEL	
OFFSET	

WINTON DRIVE CH 362.77



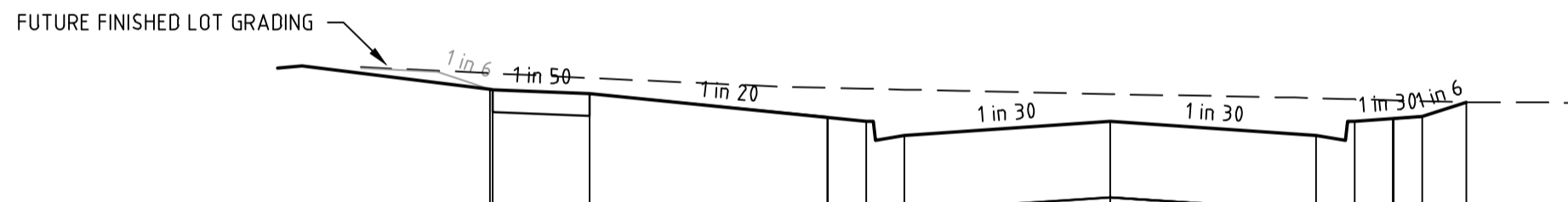
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EXISTING SURFACE LEVEL	
OFFSET	

LILYBLOOM WAY CH 58.05



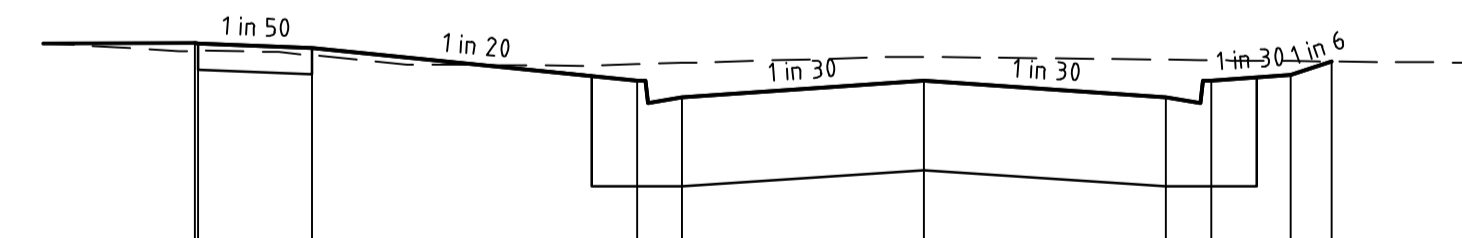
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EXISTING SURFACE LEVEL	
OFFSET	

LILYBLOOM WAY CH 44.86



DATUM R.L.103.0	
DESIGN SURFACE LEVEL	-9.650 105.236 105.109 -9.600 105.235 105.108 -8.100 105.199 105.078 -3.800 105.115 104.863 -3.200 105.108 104.753 0.000 105.073 104.859 3.200 105.041 104.753 3.800 105.032 104.863 4.850 105.018 104.898 5.529 105.011 105.011
EXISTING SURFACE LEVEL	
OFFSET	

LILYBLOOM WAY CH 21.64

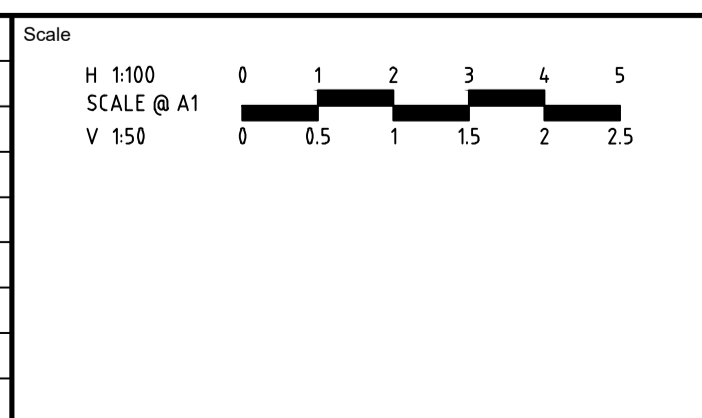


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EXISTING SURFACE LEVEL	
OFFSET	

LILYBLOOM WAY CH 0.00

file name: 309675_001CR403.dwg, layout: as per, plot date: 14/06/2024, 3:58 PM, Sheet: 10 of 22 Sheets

Rev	Amendments	Approved	Date
C	SILCRETE STREET RENAMED WINTON DRIVE	M.F.	02/02/24
B	ISSUED FOR APPROVAL	M.F.	10/11/23
A	ISSUED FOR TENDER	M.F.	05/05/23



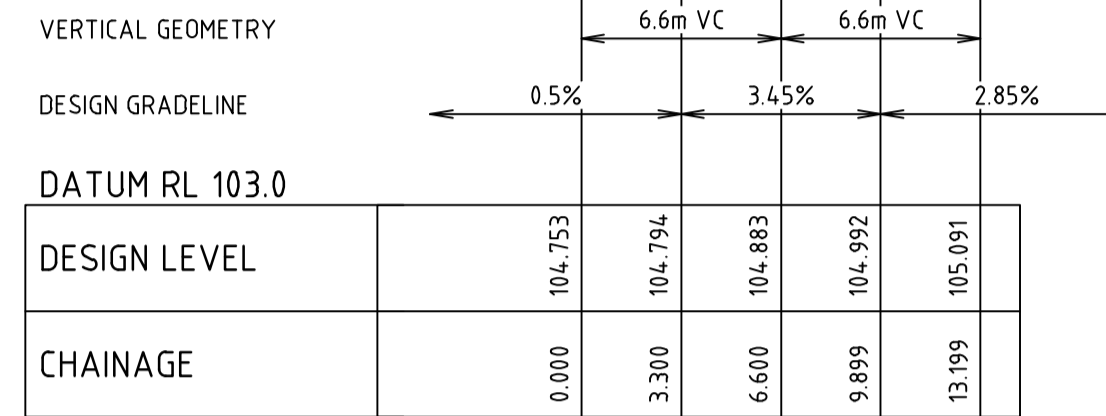
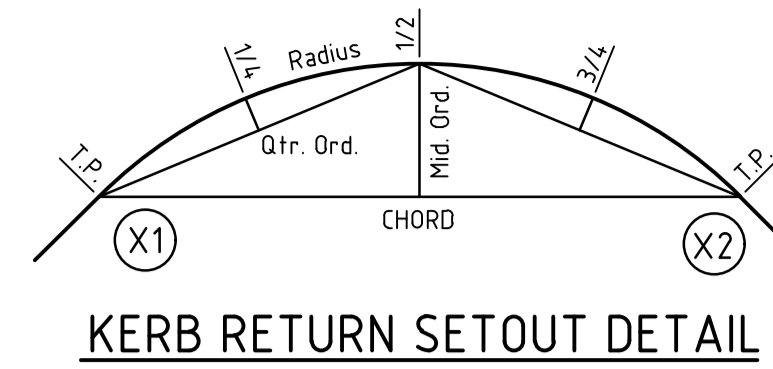
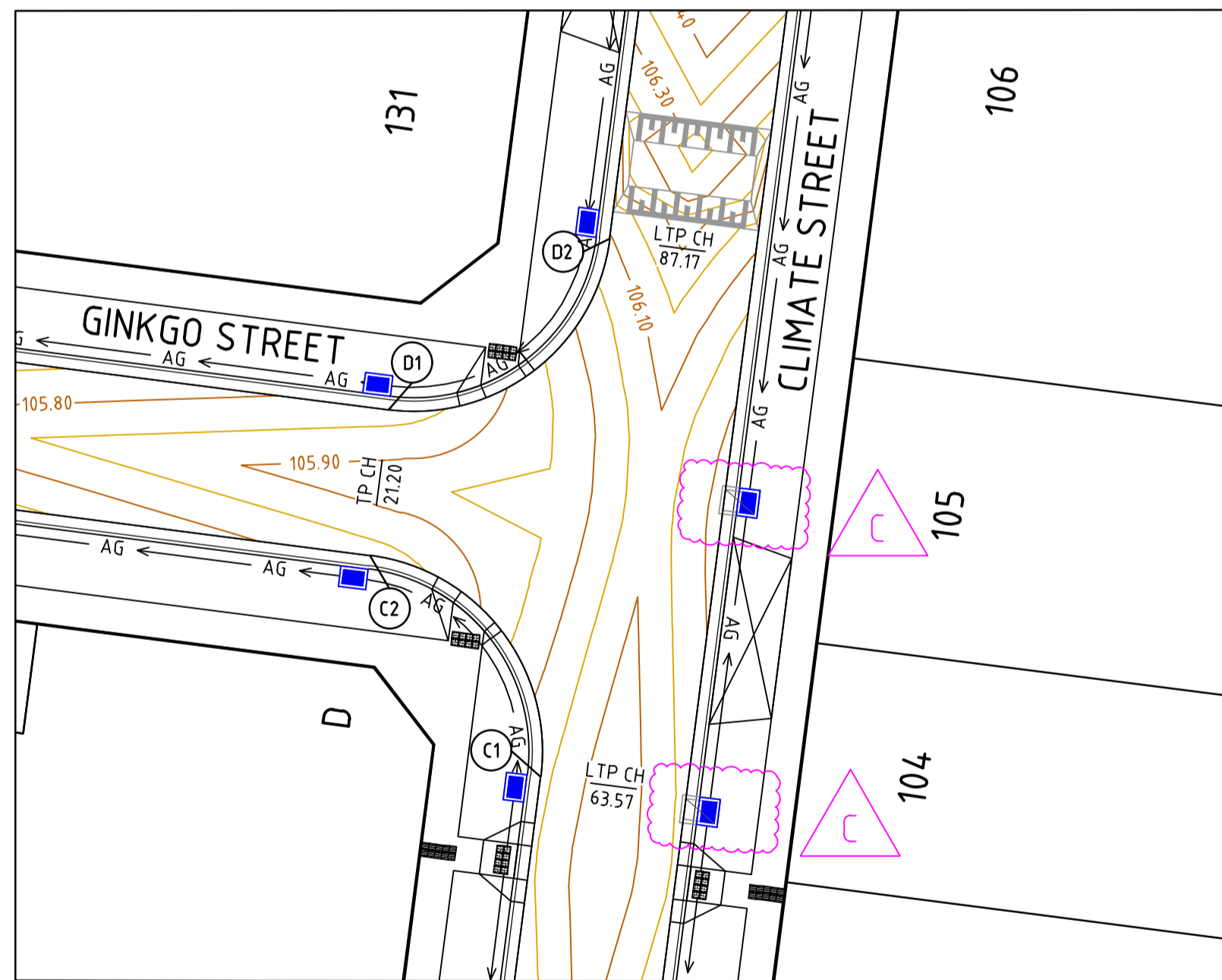
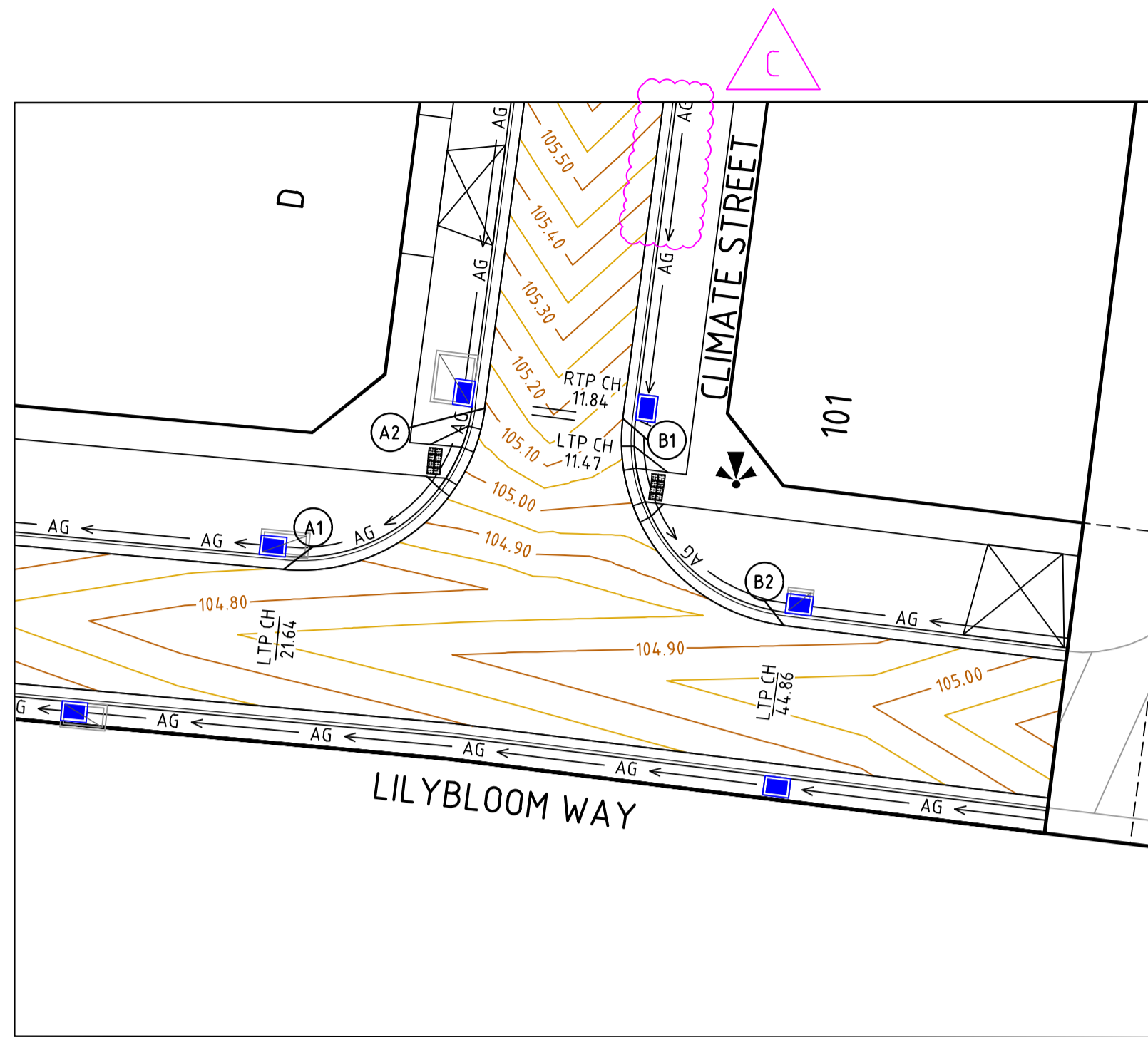
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Designed
 P.COLLIER
 Authorised
 M.HOLMES
 Checked
 C.DOBRZELAK
 Date
 14/06/24

SOCIETY 1056
STAGE 1
ROAD & DRAINAGE
ROAD CROSS SECTIONS - SHEET 4
MELTON CITY COUNCIL
YOURLAND
PRELIMINARY

Drg No
309675-001CR403
 Rev
C

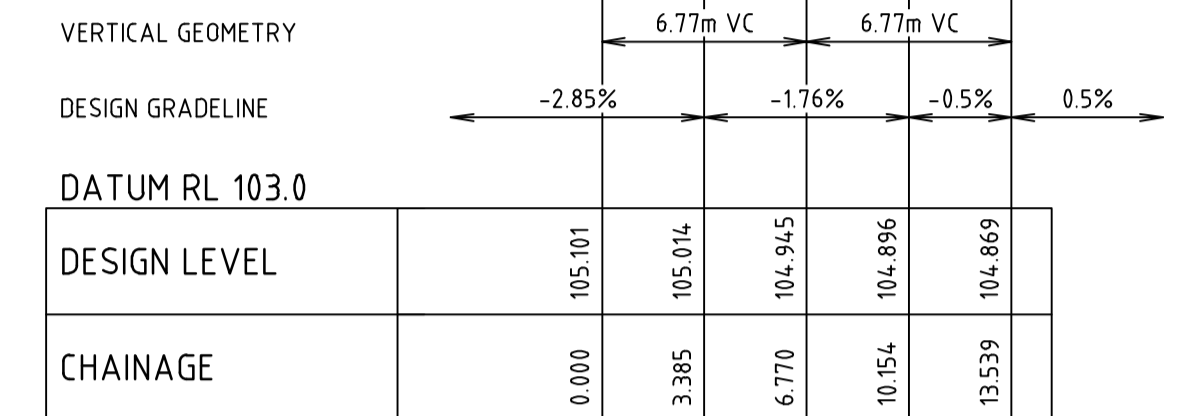


ALIGNMENT A

ALIGNMENT A

POINT NO	EASTING	NORTHING	RL
A1	2974.66	5823.05	104.753
1/4	2974.69	5823.05	104.794
1/2	2974.72	5823.06	104.883
3/4	2974.74	5823.06	104.992
A2	2974.75	5823.06	105.091

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
A1-A2	8.600	13.199	11.941	2.410	-0.625

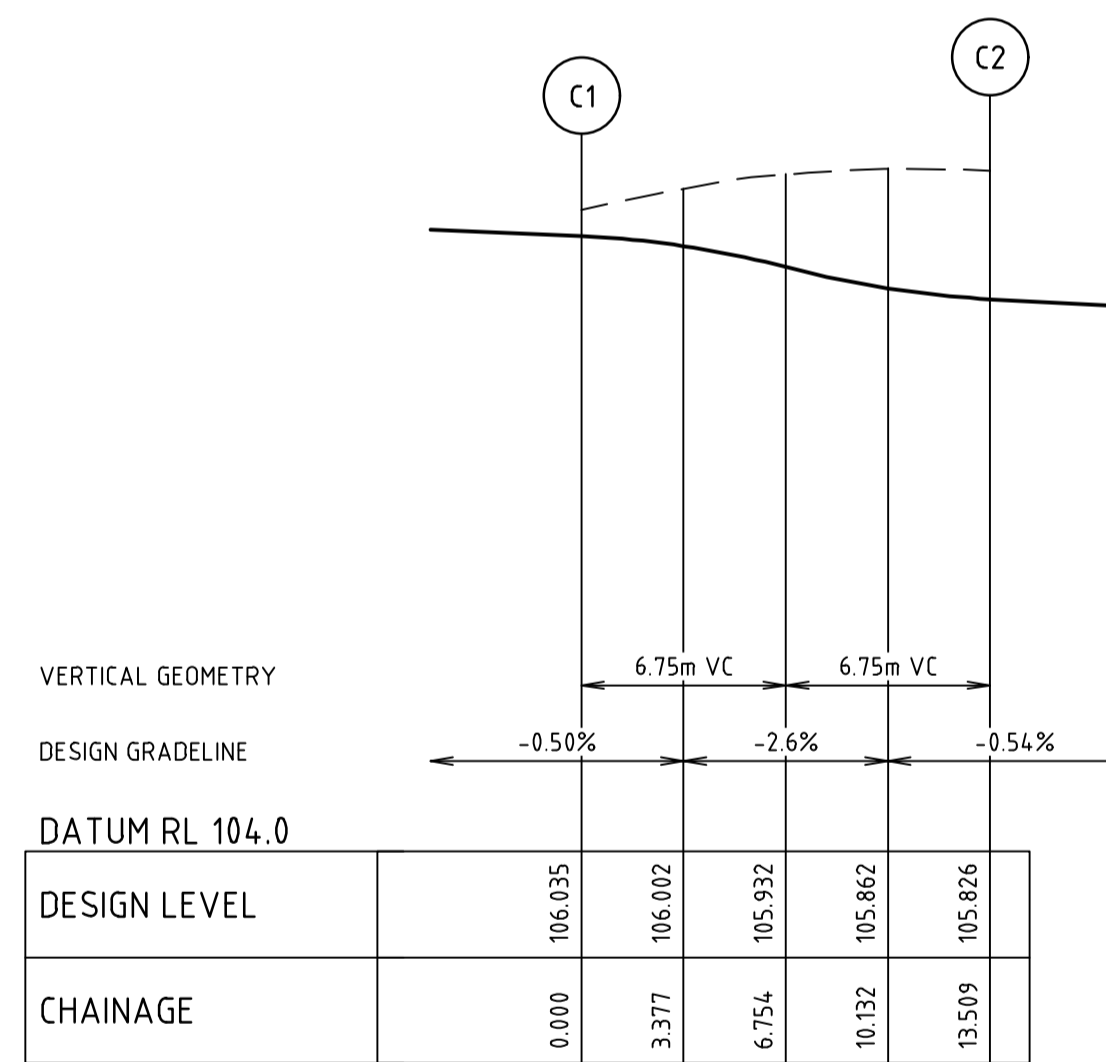


ALIGNMENT B

ALIGNMENT B

POINT NO	EASTING	NORTHING	RL
B1	2974.81	5823.06	105.101
1/4	2974.82	5823.06	105.014
1/2	2974.83	5823.06	104.945
3/4	2974.86	5823.05	104.896
B2	2974.89	5823.05	104.869

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
B1-B2	8.600	13.539	12.184	2.530	-0.658

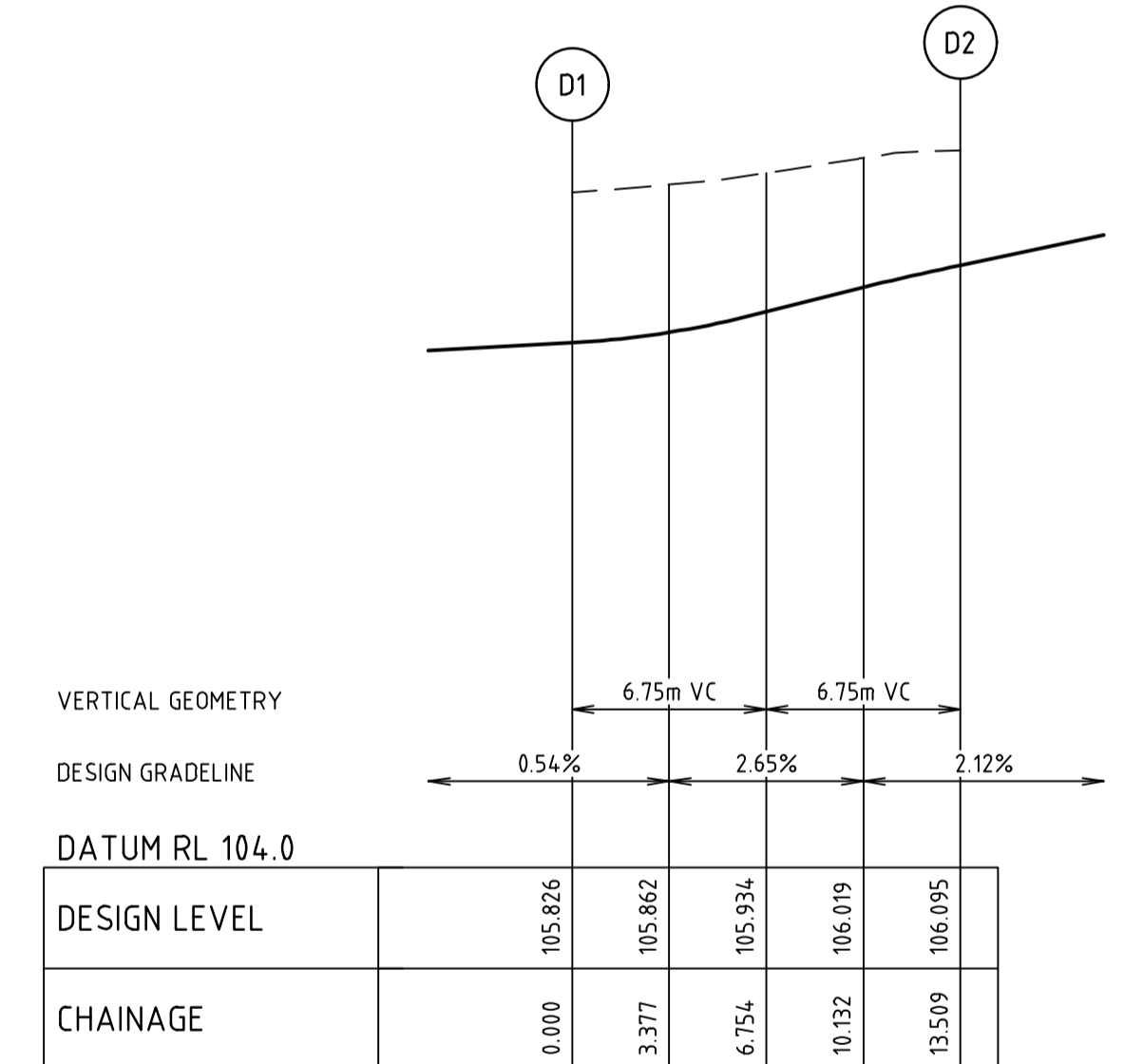


ALIGNMENT C

ALIGNMENT C

POINT NO	EASTING	NORTHING	RL
C1	2974.82	5823.11	106.035
1/4	2974.81	5823.12	106.002
1/2	2974.80	5823.12	105.932
3/4	2974.77	5823.12	105.862
C2	2974.74	5823.12	105.826

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
C1-C2	8.600	13.509	12.162	2.519	-0.655



ALIGNMENT D

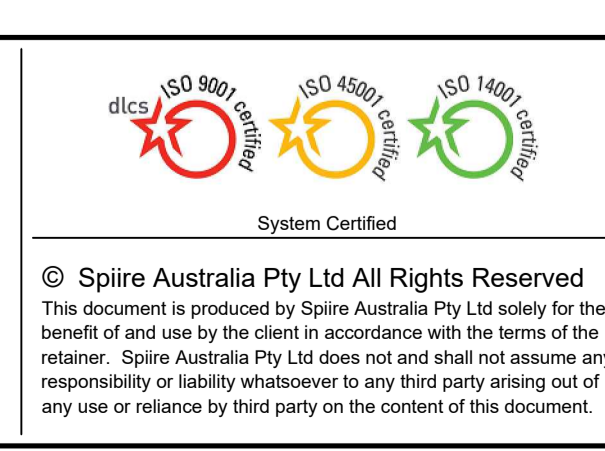
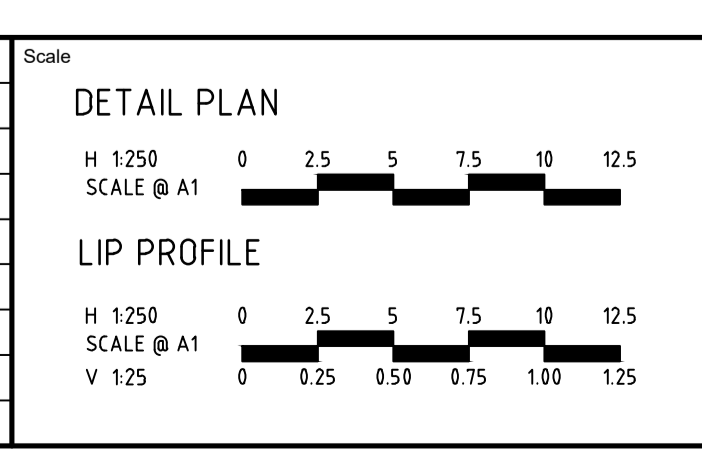
ALIGNMENT D

POINT NO	EASTING	NORTHING	RL
D1	2974.75	5823.13	105.826
1/4	2974.78	5823.13	105.862
1/2	2974.81	5823.13	105.934
3/4	2974.84	5823.13	106.019
D2	2974.85	5823.14	106.095

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
D1-D2	8.600	13.509	12.162	2.519	-0.655

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Rev	Amendments	Approved	Date
C	PITS AMENDED	M.H	14/06/24
B	ISSUED FOR APPROVAL	M.F	10/11/23
A	ISSUED FOR TENDER	M.F.	05/05/23



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Designed
P. COLLIER

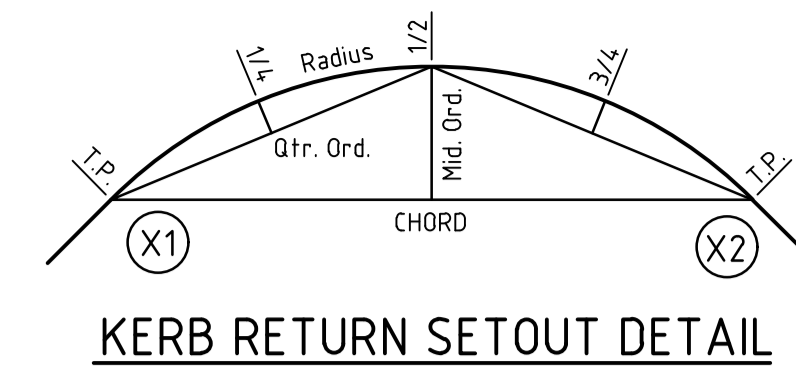
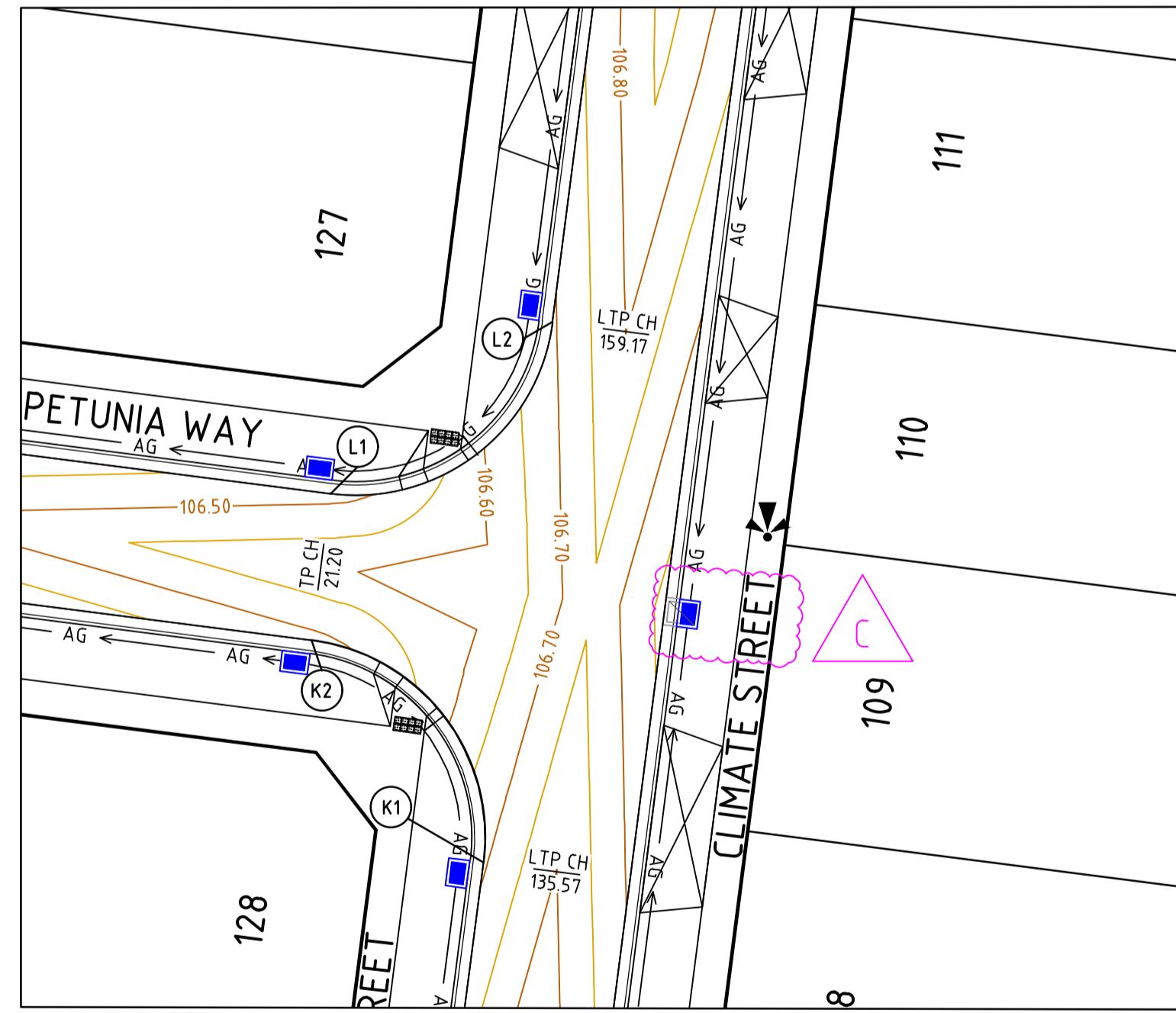
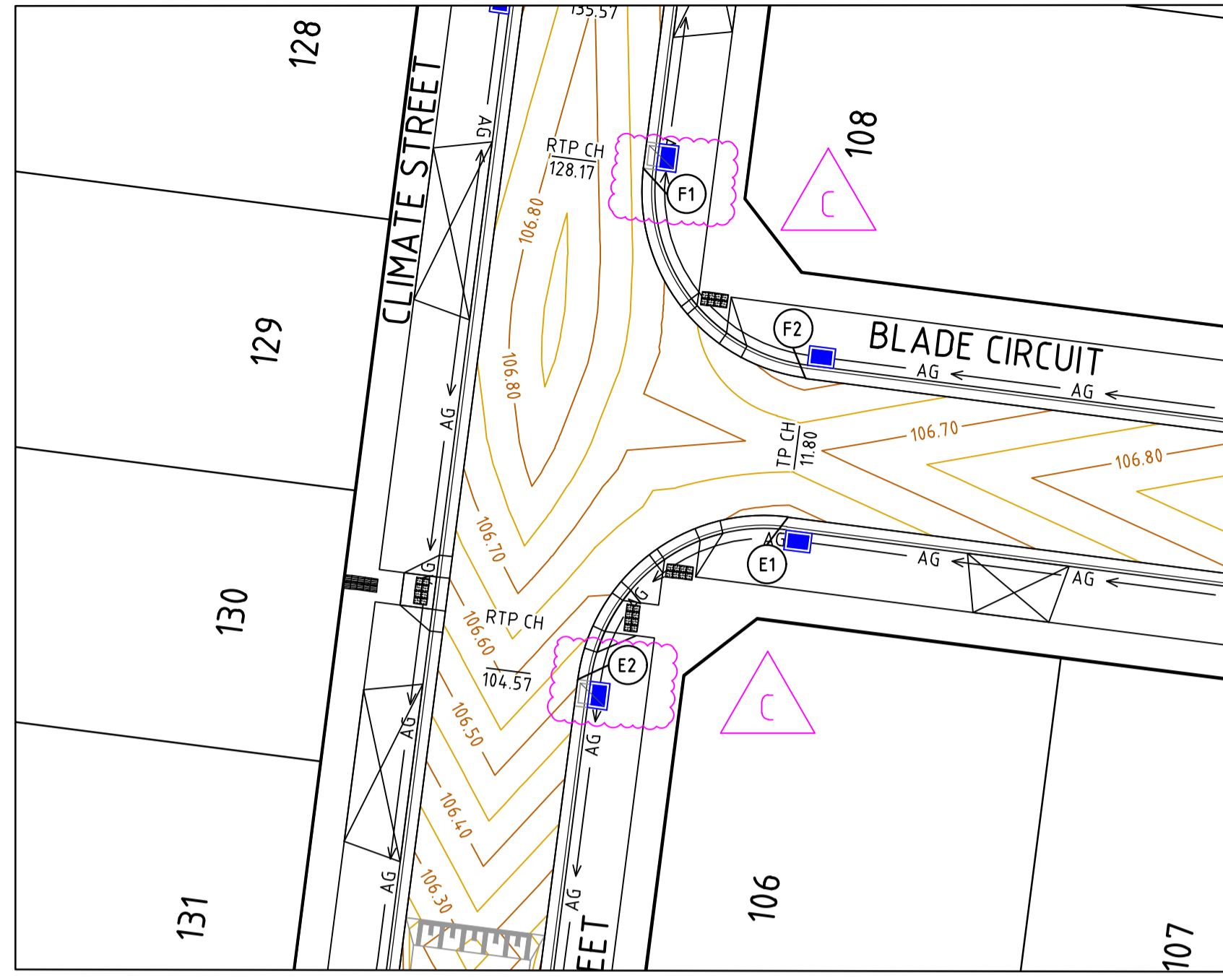
Checked
C. DOBRZELAK

Authorised
M. HOLMES

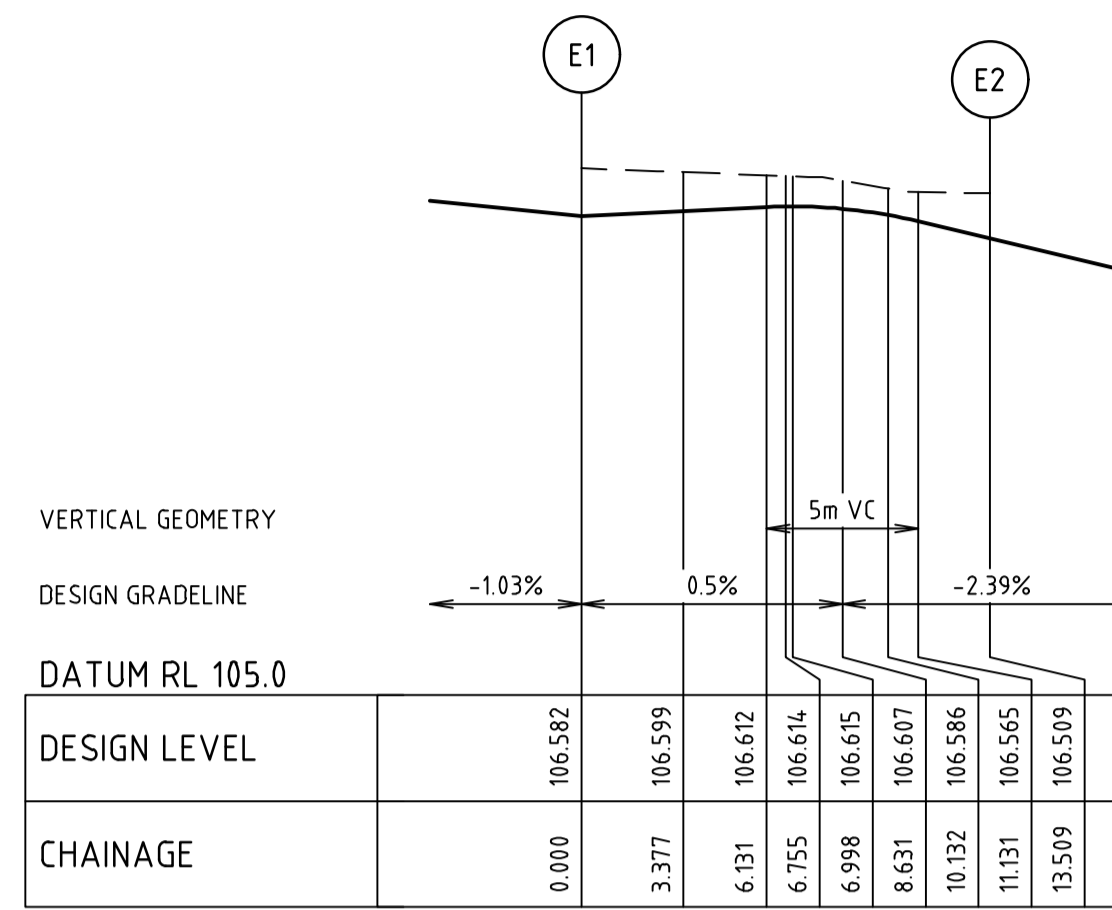
Date
14/06/24

SOCIETY 1056
STAGE 1
ROAD AND DRAINAGE
INTERSECTION DETAILS - SHEET 1
MELTON CITY COUNCIL
YOURLAND

PRELIMINARY Drg No 309675-001CR500 Rev C



KERB RETURN SETOUT DETAIL

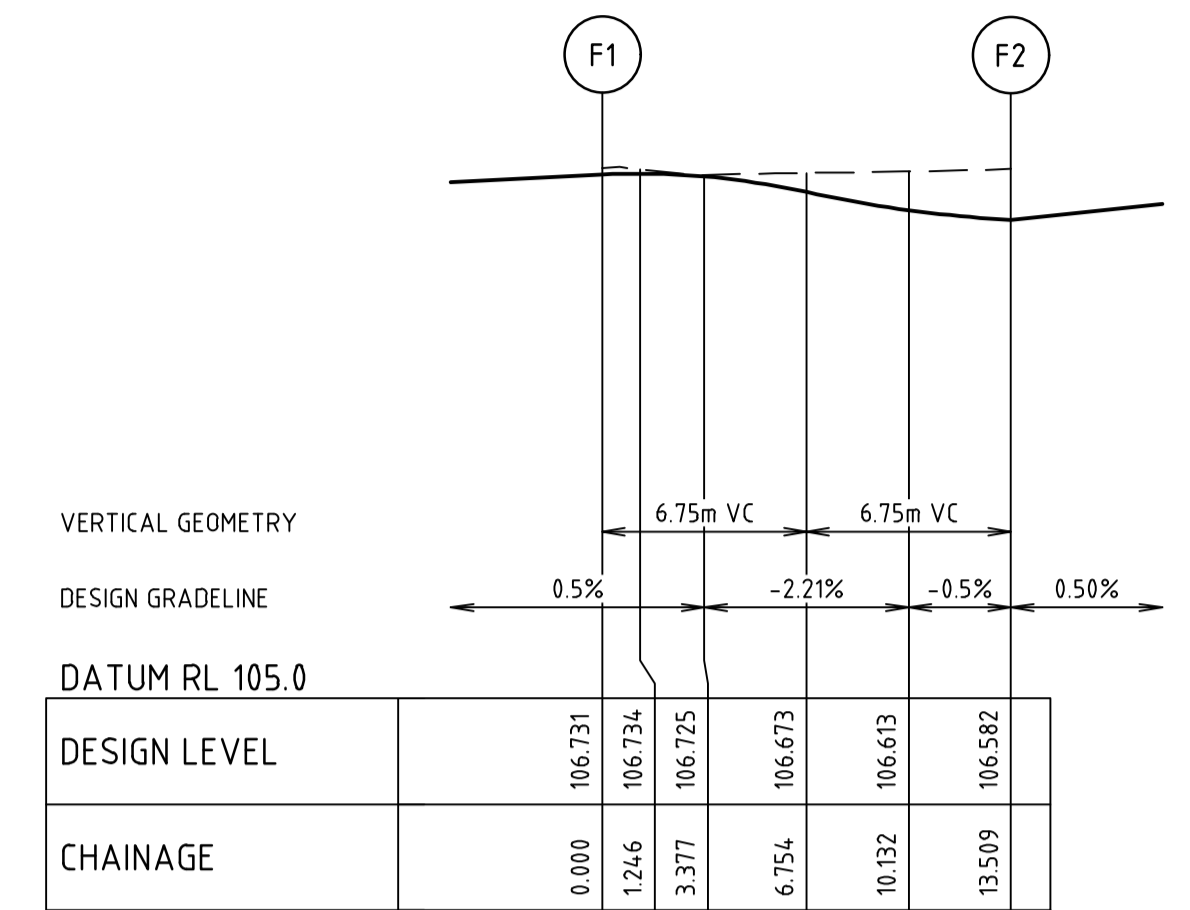


ALIGNMENT E

ALIGNMENT E

POINT NO	EASTING	NORTHING	RL
E1	297503.335	5823165.878	106.582
1/4	297499.988	5823165.647	106.599
1/2	297496.983	5823164.153	106.614
3/4	297494.780	5823161.623	106.586
E2	297493.712	5823158.442	106.509

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
E1-E2	8.600	13.509	12.162	2.519	-0.655

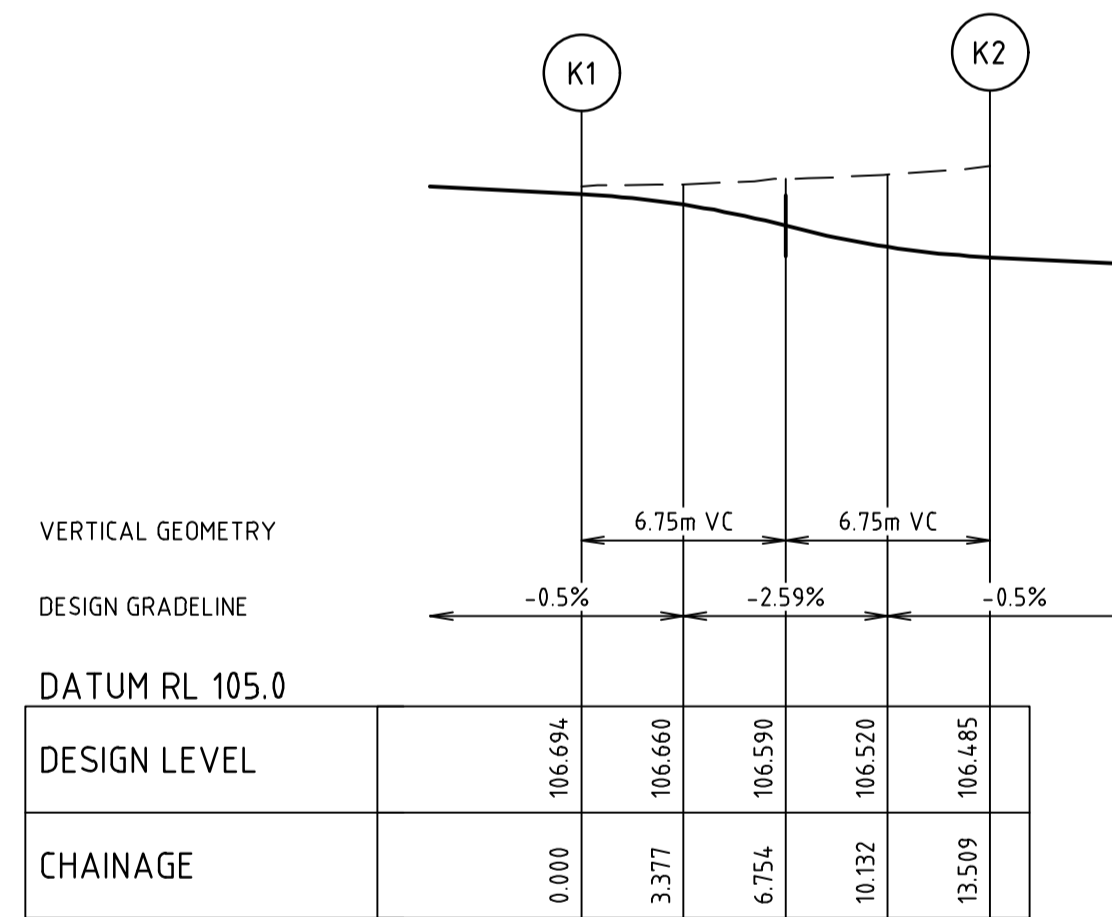


ALIGNMENT F

ALIGNMENT F

POINT NO	EASTING	NORTHING	RL
F1	297496.712	5823181.850	106.731
1/4	297496.943	5823178.502	106.725
1/2	297498.438	5823175.498	106.673
3/4	297500.968	5823173.294	106.613
F2	297504.149	5823172.226	106.582

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
F1-F2	8.600	13.509	12.162	2.519	-0.655

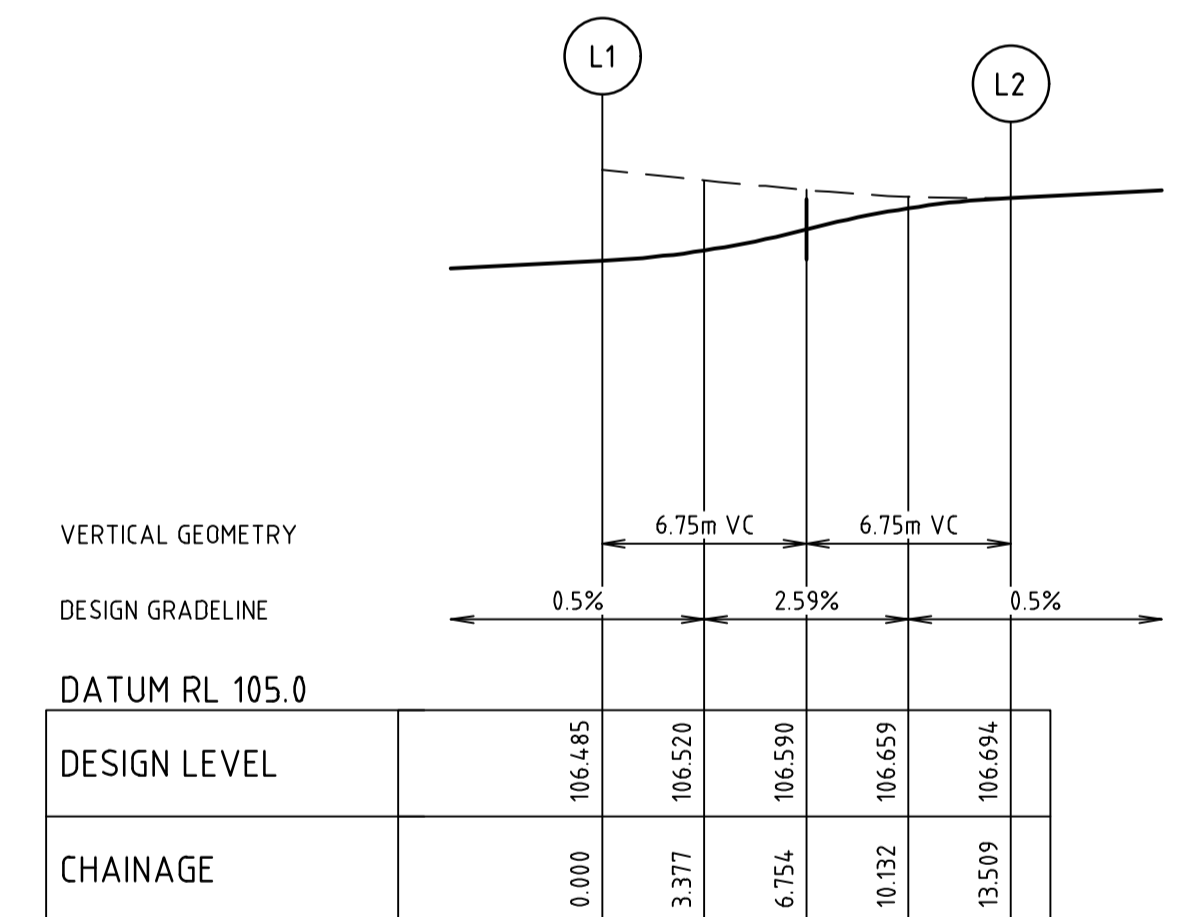


ALIGNMENT K

ALIGNMENT K

POINT NO	EASTING	NORTHING	RL
K1	297491.305	5823199.004	106.694
1/4	297491.074	5823193.351	106.660
1/2	297489.580	5823196.356	106.590
3/4	297487.049	5823198.560	106.520
K2	297483.868	5823199.627	106.485

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
K1-K2	8.600	13.509	12.162	2.519	-0.655



ALIGNMENT L

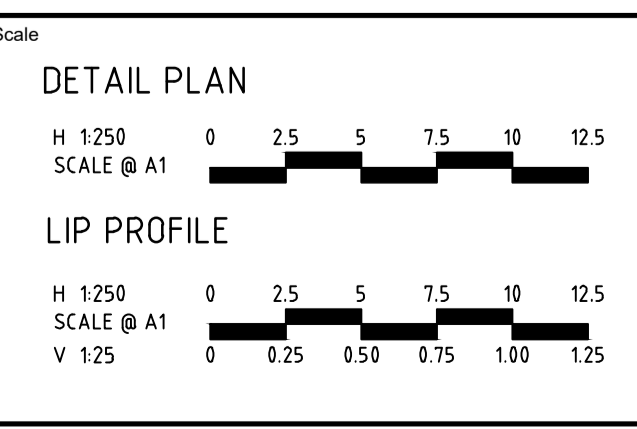
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POINT NO	EASTING	NORTHING	RL
L1	297484.682	5823205.975	106.485
1/4	297488.030	5823206.206	106.520
1/2	297491.034	5823207.701	106.590
3/4	297493.238	5823210.231	106.659
L2	297494.305	5823213.412	106.694

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
L1-L2	8.600	13.509	12.162	2.519	-0.655

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Rev	Amendments	Approved	Date
C	PITS AMENDED	M.H	14/06/24
B	ISSUED FOR APPROVAL	M.F	10/11/23
A	ISSUED FOR TENDER	M.F.	05/05/23



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Designed
P. COLLIER

Checked
C. DOBRZELAK

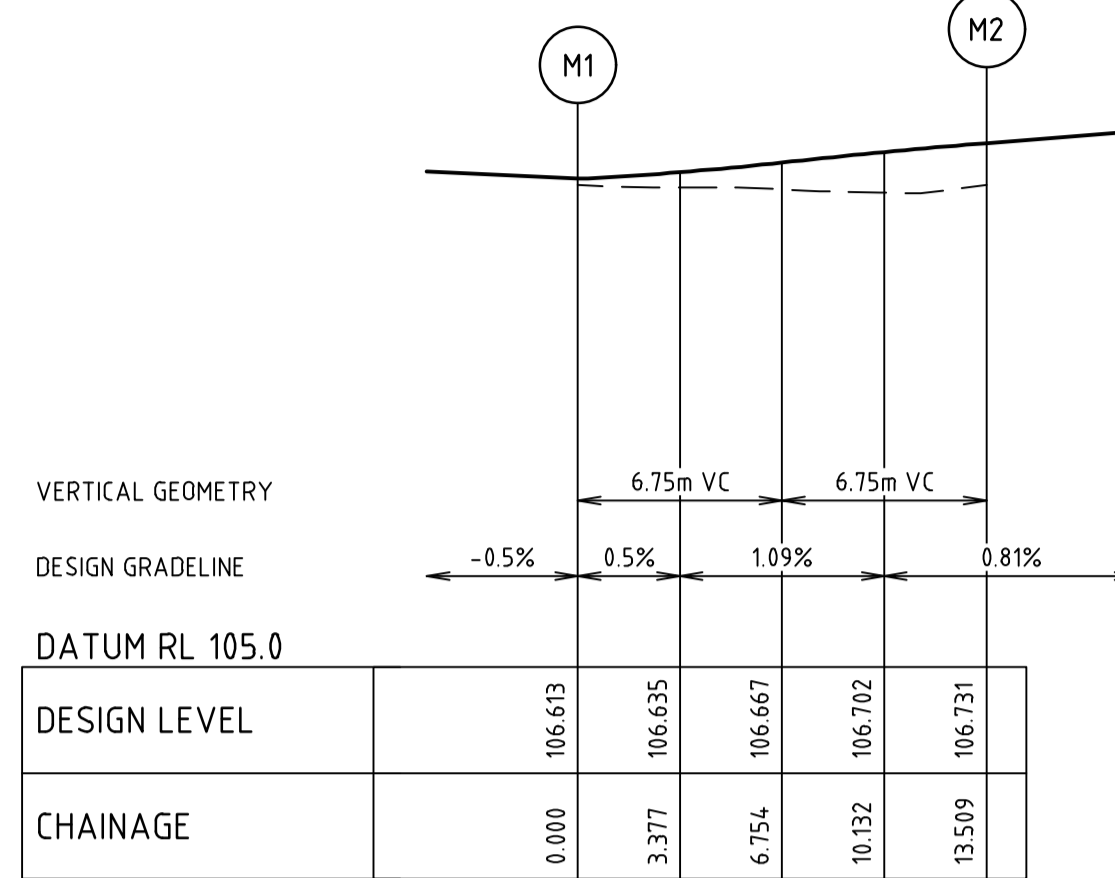
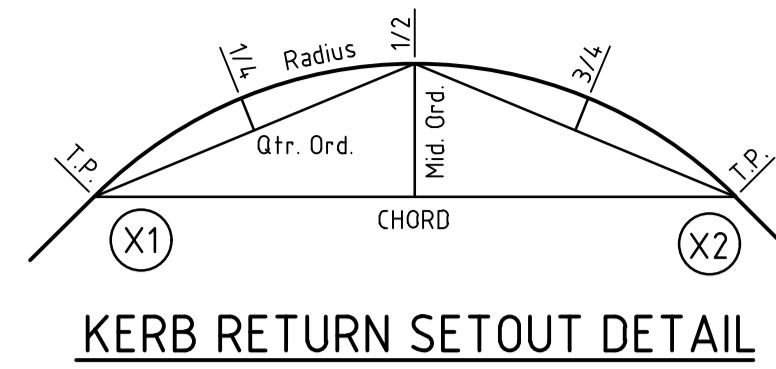
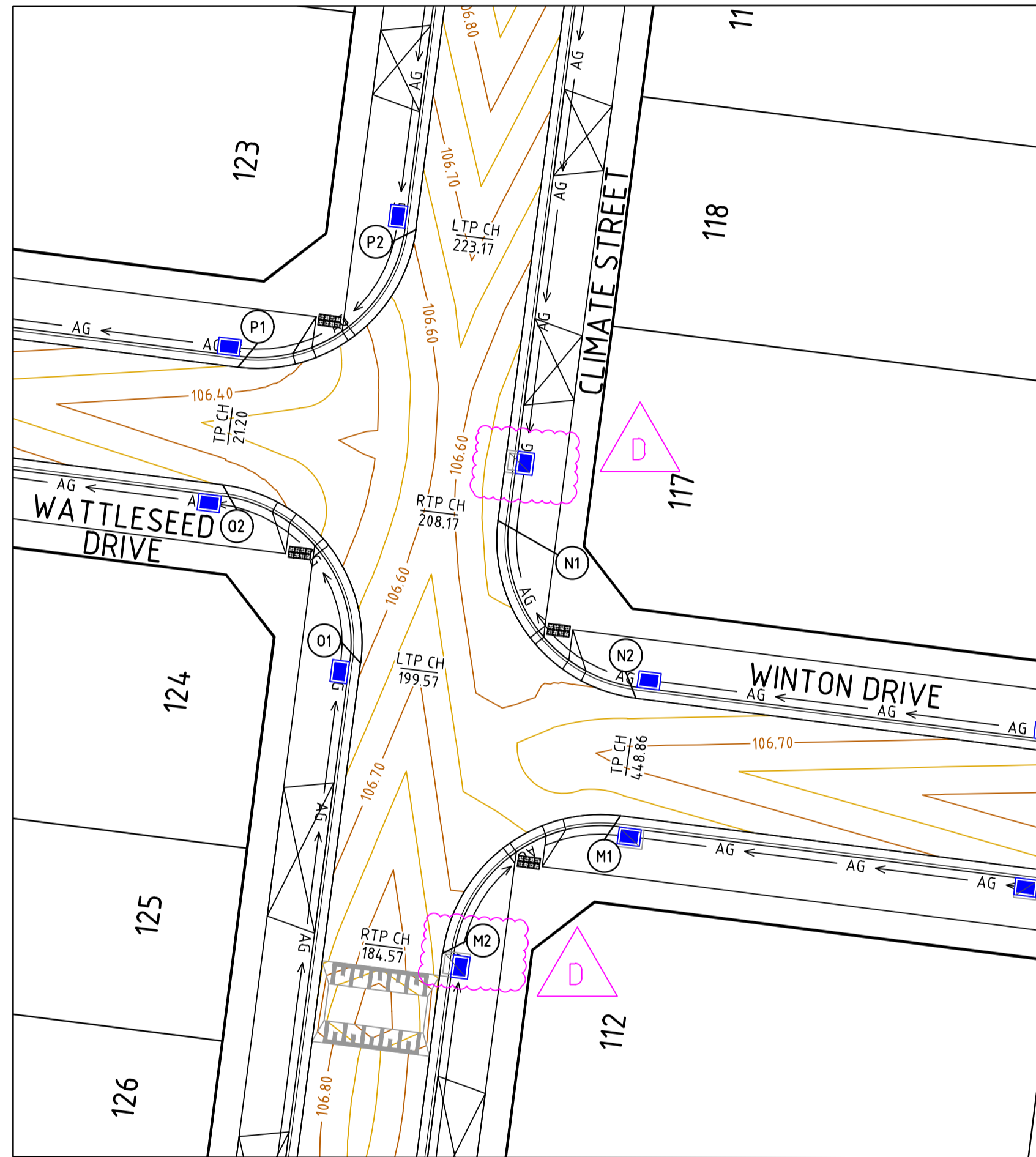
Authorised
M. HOLMES

Date
14/06/24

SOCIETY 1056
STAGE 1
ROAD & DRAINAGE
INTERSECTION DETAILS - SHEET 2
 MELTON CITY COUNCIL
 YOURLAND

PRELIMINARY Drg No 309675-001CR501 Rev C

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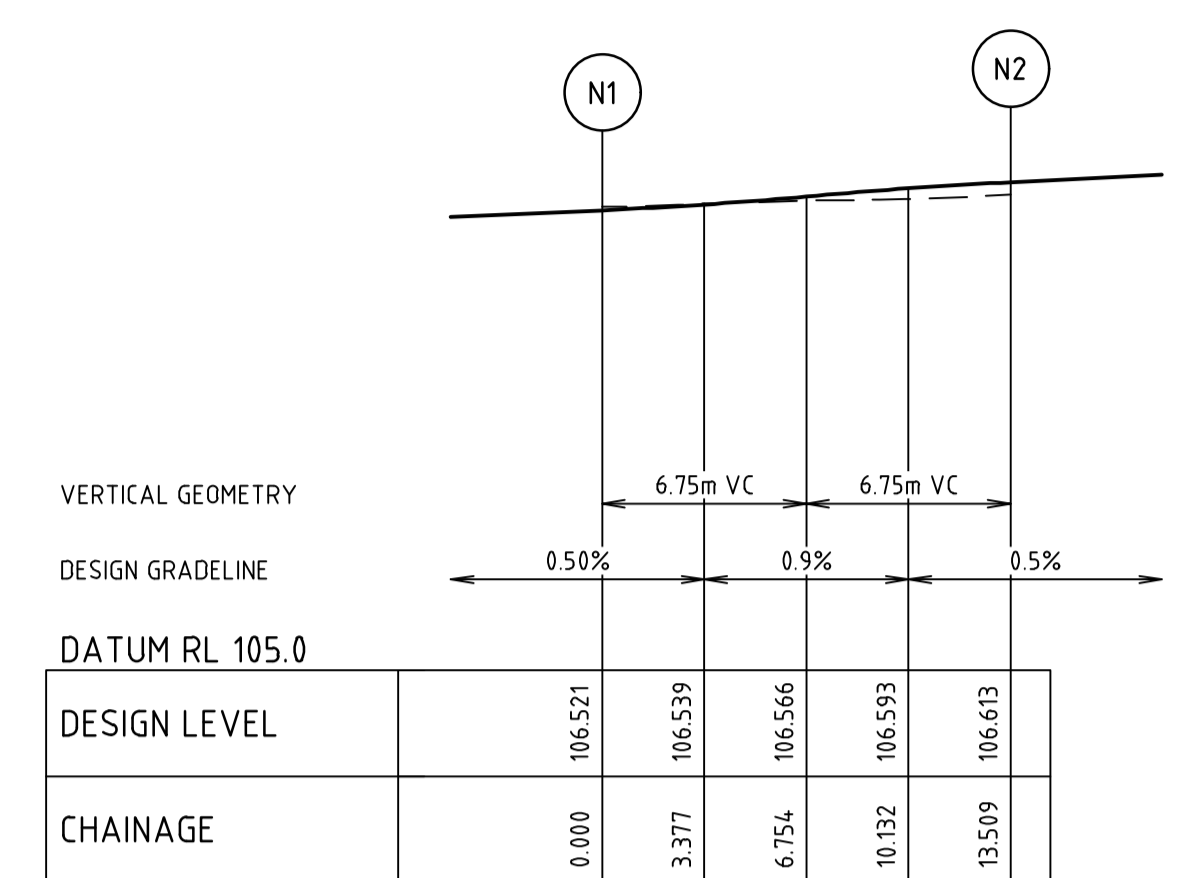


ALIGNMENT M

ALIGNMENT M

POINT NO	EASTING	NORTHING	RL
M1	297513.506	5823245.226	106.613
1/4	297510.158	5823244.996	106.635
1/2	297507.154	5823243.501	106.667
3/4	297504.950	5823240.971	106.702
M2	297503.882	5823237.790	106.731

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
M1-M2	8.600	13.509	12.162	2.519	-0.655

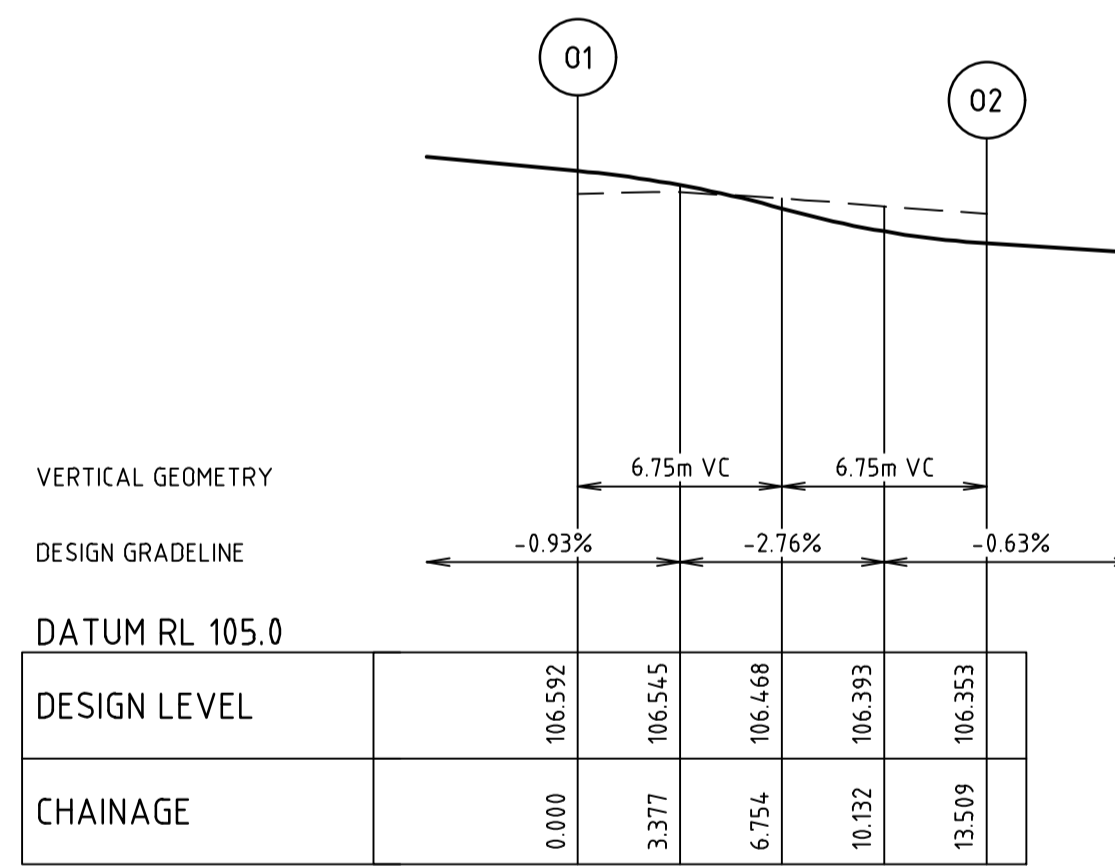


ALIGNMENT N

ALIGNMENT N

POINT NO	EASTING	NORTHING	RL
N1	297506.883	5823261.198	106.521
1/4	297507.114	5823257.851	106.539
1/2	297508.608	5823254.846	106.566
3/4	297511.139	5823252.642	106.593
N2	297514.320	5823251.575	106.613

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
N1-N2	8.600	13.509	12.162	2.519	-0.655

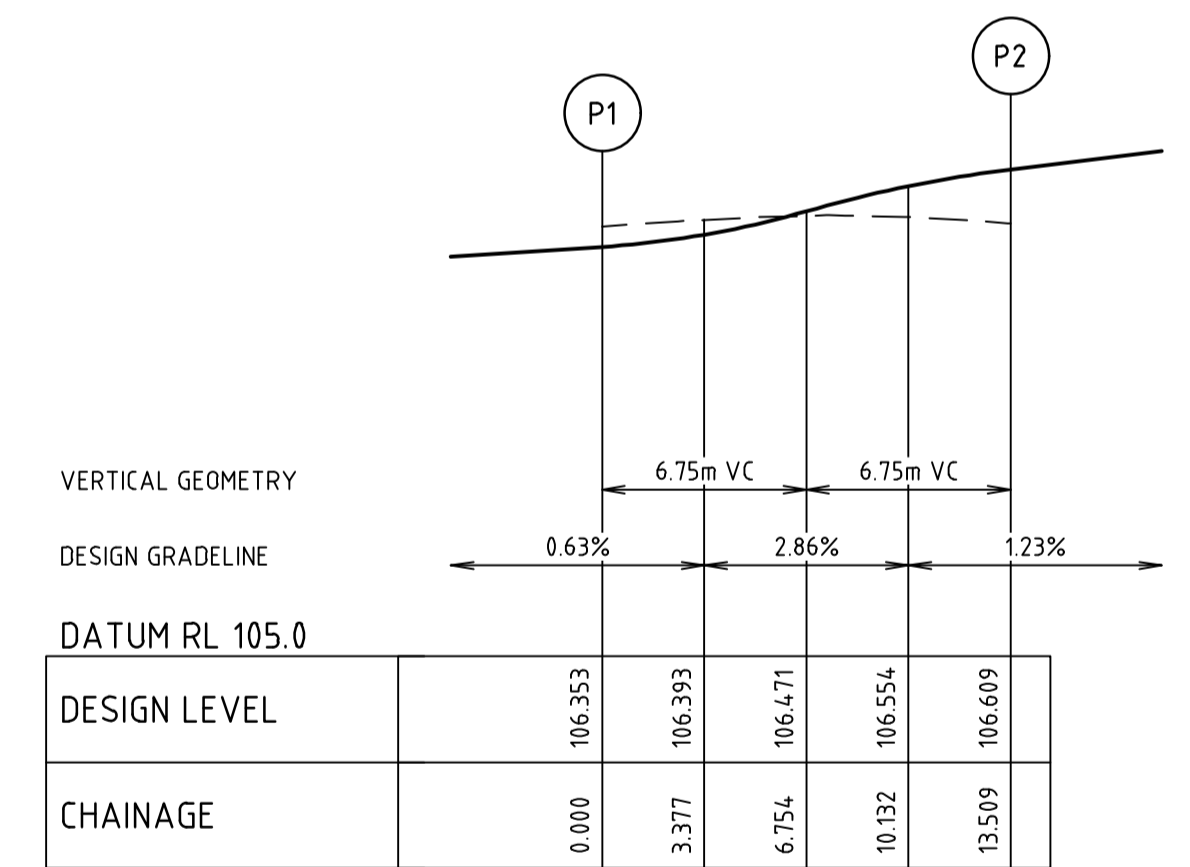


ALIGNMENT O

ALIGNMENT O

POINT NO	EASTING	NORTHING	RL
O1	297499.442	5823253.484	106.592
1/4	297499.211	5823256.832	106.545
1/2	297497.717	5823259.836	106.468
3/4	297495.186	5823262.040	106.393
O2	297492.005	5823263.108	106.353

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
O1-O2	8.600	13.509	12.162	2.519	-0.655



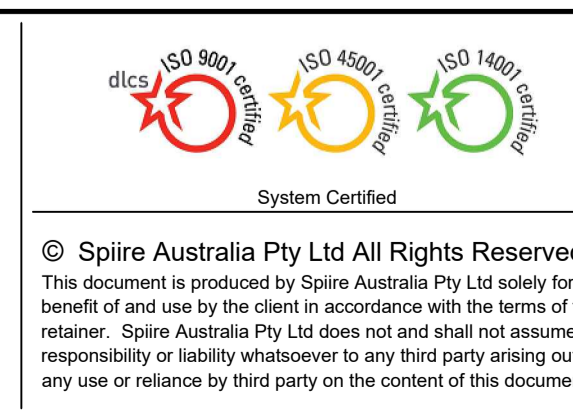
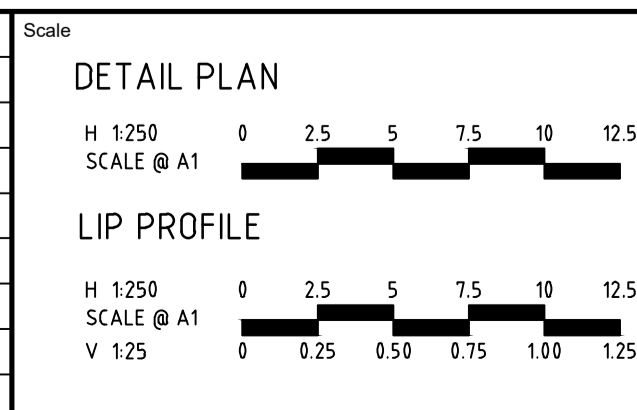
ALIGNMENT P

ALIGNMENT P

POINT NO	EASTING	NORTHING	RL
P1	297492.819	5823269.456	106.353
1/4	297496.166	5823269.687	106.393
1/2	297499.171	5823271.181	106.471
3/4	297501.375	5823273.712	106.554
P2	297502.442	5823276.893	106.609

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
P1-P2	8.600	13.509	12.162	2.519	-0.655

Rev	Amendments	Approved	Date
D	PITS AMENDED	M.H	14/06/24
C	SILCRETE STREET RENAMED WINTON DRIVE	M.F	02/02/24
B	ISSUED FOR APPROVAL	M.F	10/11/23
A	ISSUED FOR TENDER	M.F.	05/05/23



YourLand Developments

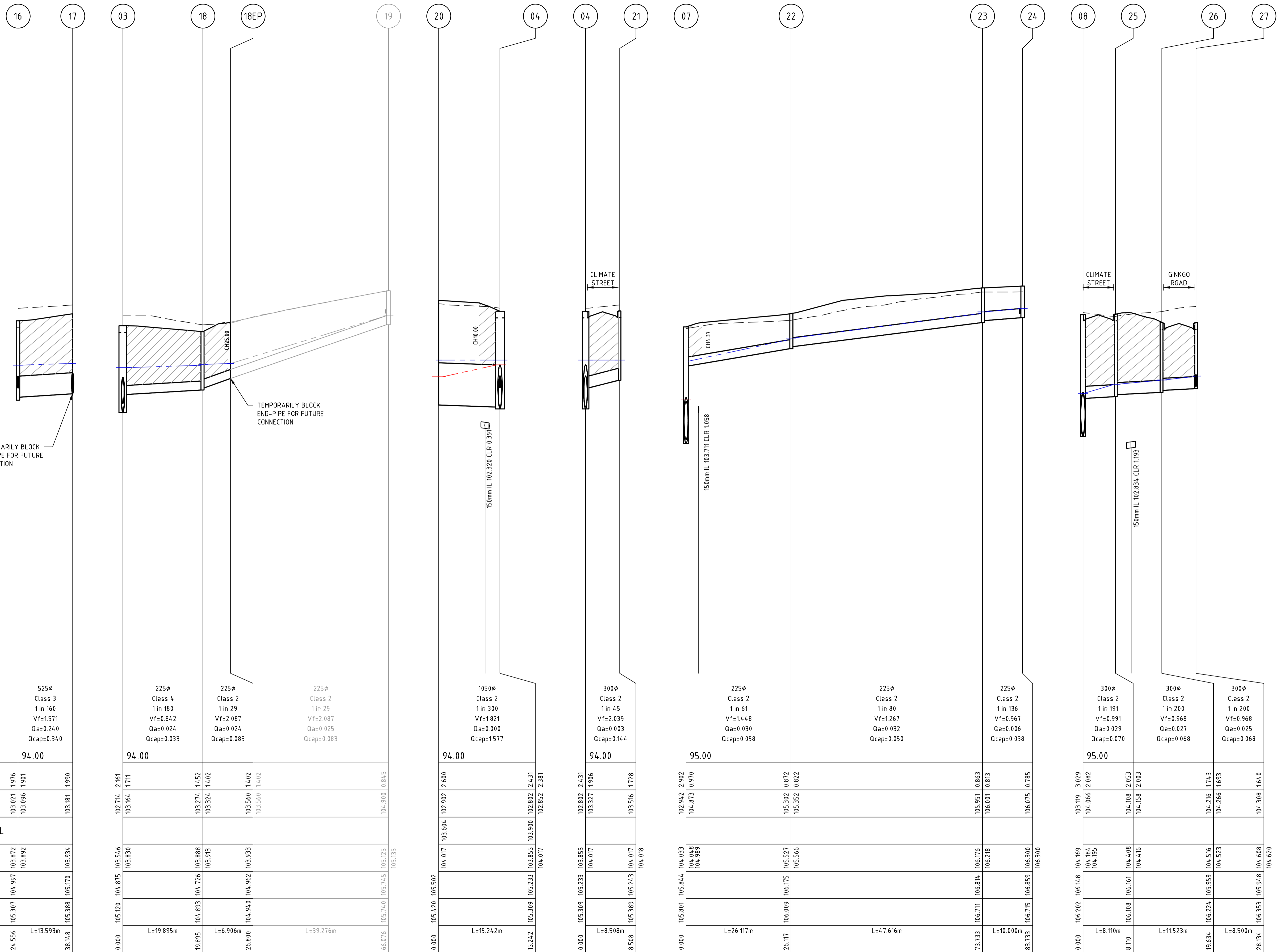
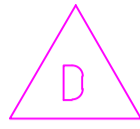
Designed: P. COLLIER
Authorised: M. HOLMES

Checked: C. DOBRZELAK
Date: 14/06/24

SOCIETY 1056
STAGE 1
ROAD & DRAINAGE
INTERSECTION DETAILS - SHEET 3
MELTON CITY COUNCIL
YOURLAND

PRELIMINARY Drg No 309675-001CR502 Rev D

CRUSHED ROCK BACKFILL



Pipe Diameter
Pipe Class
Pipe Grade
Velocity (m/s)
Pipe Flow (m3/s)
Pipe Capacity (m3/s)

DATUM

DEPTH TO INVERT	103.021	103.096	103.181	103.199
DESIGN INVERT LEVEL	103.021	103.096	103.181	103.199
Q100 HYDRAULIC GRADE LEVEL	103.021	103.096	103.181	103.199
Q5 HYDRAULIC GRADE LEVEL	103.021	103.096	103.181	103.199
FINISHED SURFACE LEVEL	104.997	104.997	104.997	104.997
EXISTING SURFACE LEVEL	105.307	105.307	105.307	105.307
CHAINAGE	24.556	105.307	105.307	105.307

525mm
Class 3
1 in 160
Vf=1.571
Qa=0.240
Qcap=0.340

94.00

225mm
Class 4
1 in 180
Vf=0.842
Qa=0.024
Qcap=0.033

94.00

225mm
Class 2
1 in 29
Vf=2.087
Qa=0.024
Qcap=0.083

94.00

1050mm
Class 2
1 in 300
Vf=1.821
Qa=0.000
Qcap=1.577

94.00

300mm
Class 2
1 in 45
Vf=2.039
Qa=0.003
Qcap=0.144

94.00

225mm
Class 2
1 in 61
Vf=1.448
Qa=0.030
Qcap=0.058

95.00

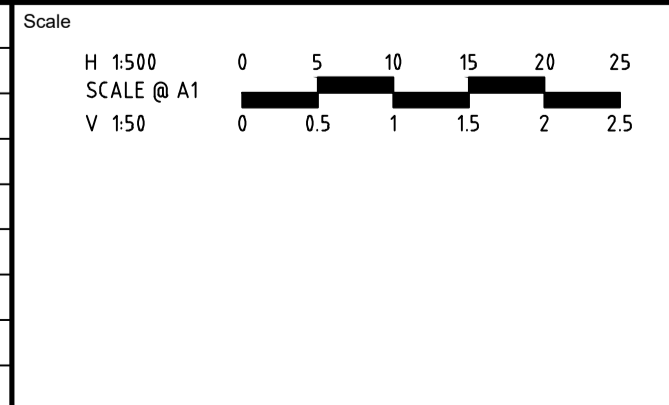
225mm
Class 2
1 in 80
Vf=1.267
Qa=0.032
Qcap=0.050

94.00

300mm
Class 2
1 in 191
Vf=0.991
Qa=0.029
Qcap=0.070

95.00

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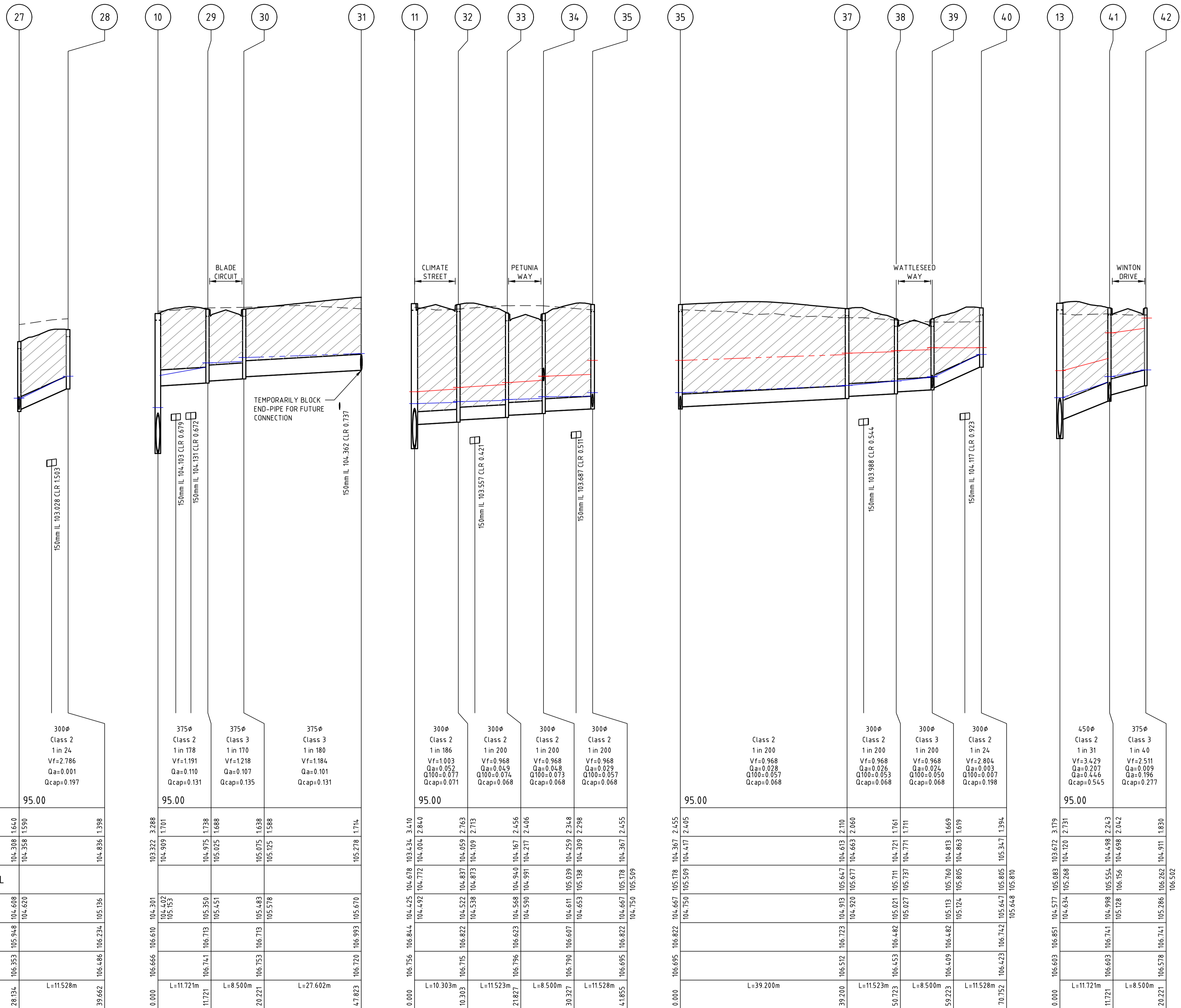
Designed
P. COLLIER
Authorised
M. HOLMES
Checked
C. DOBRZELAK
Date
14/06/24

SOCIETY 1056
STAGE 1
ROAD AND DRAINAGE
DRAINAGE LONG SECTIONS - SHEET 2
MELTON CITY COUNCIL
YOURLAND

PRELIMINARY Drg No 309675-001CR601 Rev D

 CRUSHED ROCK BACKFILL

 E



Pipe Diameter
Pipe Class
Pipe Grade
Velocity (m/s)
Pipe Flow (m3/s)
Pipe Capacity (m3/s)

DATUM

DEPTH TO INVERT	104.308 164.0	104.358 1590	104.836 1398
DESIGN INVERT LEVEL	104.402	104.402	104.402
Q100 HYDRAULIC GRADE LEVEL	104.402	104.402	104.402
Q5 HYDRAULIC GRADE LEVEL	104.402	104.402	104.402
FINISHED SURFACE LEVEL	106.353 105.948 104.608	106.620	105.136
EXISTING SURFACE LEVEL	106.353 105.948 104.608	106.620	105.136
CHAINAGE	28.134 39.662	L=11528m	

300φ
Class 2
1 in 24
Vf=2.786
Qa=0.001
Qcap=0.197

375φ
Class 2
1 in 178
Vf=1.191
Qa=0.110
Qcap=0.131

375φ
Class 3
1 in 170
Vf=1.218
Qa=0.107
Qcap=0.135

375φ
Class 3
1 in 180
Vf=1.184
Qa=0.101
Qcap=0.131

300φ
Class 2
1 in 186
Vf=1.003
Qa=0.052
Q100=0.077
Qcap=0.071

300φ
Class 2
1 in 200
Vf=0.968
Qa=0.049
Q100=0.074
Qcap=0.068

300φ
Class 2
1 in 200
Vf=0.968
Qa=0.048
Q100=0.073
Qcap=0.068

300φ
Class 2
1 in 200
Vf=0.968
Qa=0.029
Q100=0.057
Qcap=0.068

Class 2
1 in 200
Vf=0.968
Qa=0.028
Q100=0.057
Qcap=0.068

300φ
Class 2
1 in 200
Vf=0.968
Qa=0.026
Q100=0.053
Qcap=0.068

300φ
Class 3
1 in 200
Vf=0.968
Qa=0.024
Q100=0.050
Qcap=0.068

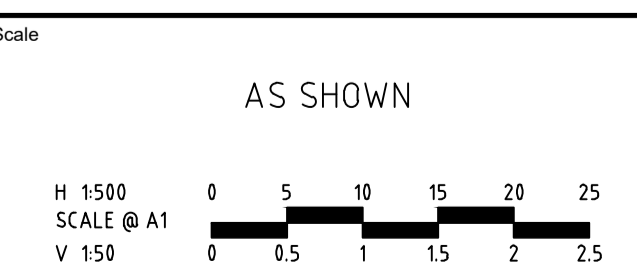
300φ
Class 2
1 in 24
Vf=2.804
Qa=0.003
Q100=0.007
Qcap=0.198


450φ
Class 2
1 in 31
Vf=3.429
Qa=0.207
Qa=0.446
Qcap=0.545

375φ
Class 3
1 in 40
Vf=2.511
Qa=0.089
Qa=0.196
Qcap=0.277

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Rev	Description	By	Date
E	DRAINAGE UPSIZED TO Q100	M.H	14/06/24
D	PIT SCHEDULE AMENDED	M.F	02/02/24
C	COUNCIL COMMENTS ADDRESSED	M.F	19/12/23
B	ISSUED FOR APPROVAL	M.F	10/11/23
A	ISSUED FOR TENDER	M.F.	05/05/23
Rev	Amendments	Approved	Date






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Designed
P. COLLIER

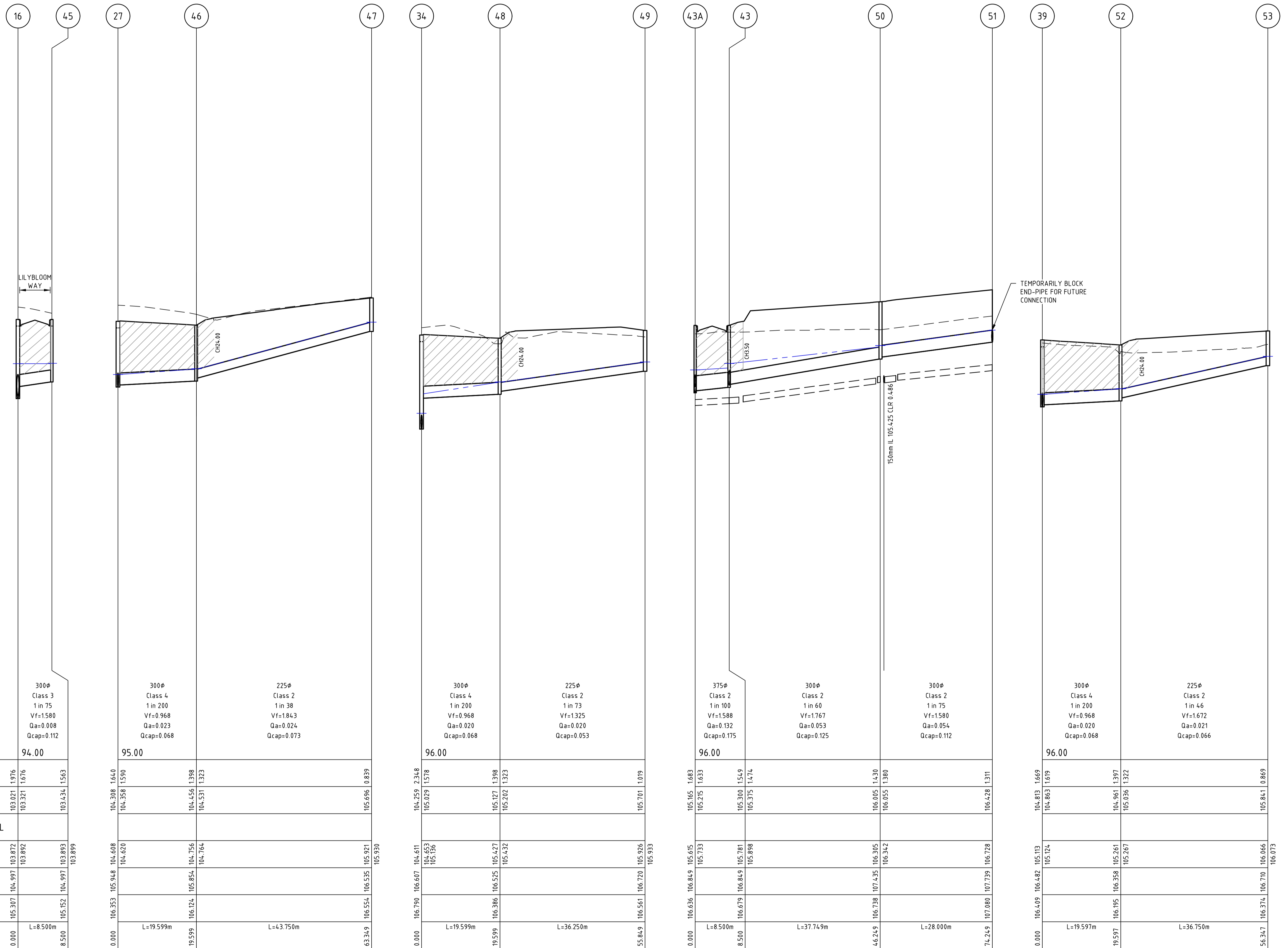
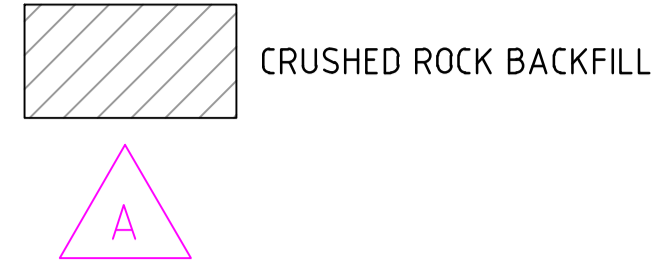
Checked
C. DOBRZELAK

Authorised
M. HOLMES

Date
14/06/24

SOCIETY 1056
STAGE 1
ROAD AND DRAINAGE
DRAINAGE LONG SECTIONS - SHEET 3
MELTON CITY COUNCIL
YOURLAND

PRELIMINARY Rev No 309675-001CR602 Rev E



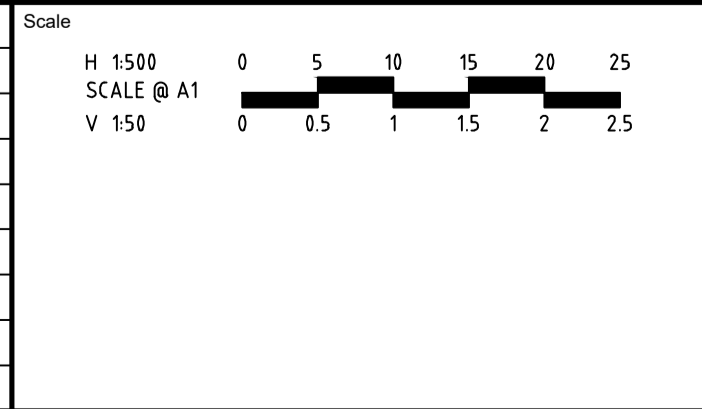
Pipe Diameter
 Pipe Class
 Pipe Grade
 Velocity (m/s)
 Pipe Flow (m3/s)
 Pipe Capacity (m3/s)

DATUM

DEPTH TO INVERT	DESIGN INVERT LEVEL	Q100 HYDRAULIC GRADE LEVEL	Q5 HYDRAULIC GRADE LEVEL	FINISHED SURFACE LEVEL	EXISTING SURFACE LEVEL	CHAINAGE
103.021 1.976	103.321 1.676		103.872 103.892	105.307 104.997	105.307 104.997	0.000 L=8.500m
104.308 1.640	104.358 1.590		104.620 104.608	106.353 105.948	106.353 105.948	8.500 L=19.599m
104.456 1.398	104.531 1.323		104.756 104.764	106.124 105.854	106.124 105.854	19.599 L=43.750m
105.029 1.578	105.202 1.323		105.432 105.432	106.607 106.611	106.607 106.611	63.349 105.930
105.127 1.398	105.202 1.323		105.427 105.432	106.790 106.607	106.790 106.607	105.930 L=19.599m
105.701 1.019	105.701 1.019		105.926 105.933	106.561 106.720	106.561 106.720	155.849 105.926
105.165 1.683	105.275 1.633		105.733 105.733	106.636 106.849	106.636 106.849	185.449 105.615
105.300 1.549	105.375 1.474		105.898 105.898	106.679 106.849	106.679 106.849	194.000 105.781
106.005 1.430	106.055 1.380		106.342 106.342	106.738 107.435	106.738 107.435	203.550 106.305
106.428 1.311	106.428 1.311		106.728 106.728	107.080 107.739	107.080 107.739	212.050 106.728
104.813 1.669	104.863 1.619		105.124 105.124	106.409 106.482	106.409 106.482	220.550 105.113
104.961 1.397	105.036 1.322		105.261 105.261	106.195 106.358	106.195 106.358	229.050 105.261
105.841 0.869	105.841 0.869		106.066 106.066	106.374 106.710	106.374 106.710	237.550 106.066

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Rev	Amendments	Approved	Date
A	DRAINAGE UPSIZED TO Q100	M.H	14/06/24



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Designed
 P.COLLIER

 Authorised
 M.HOLMES

 Checked
 W.ONG

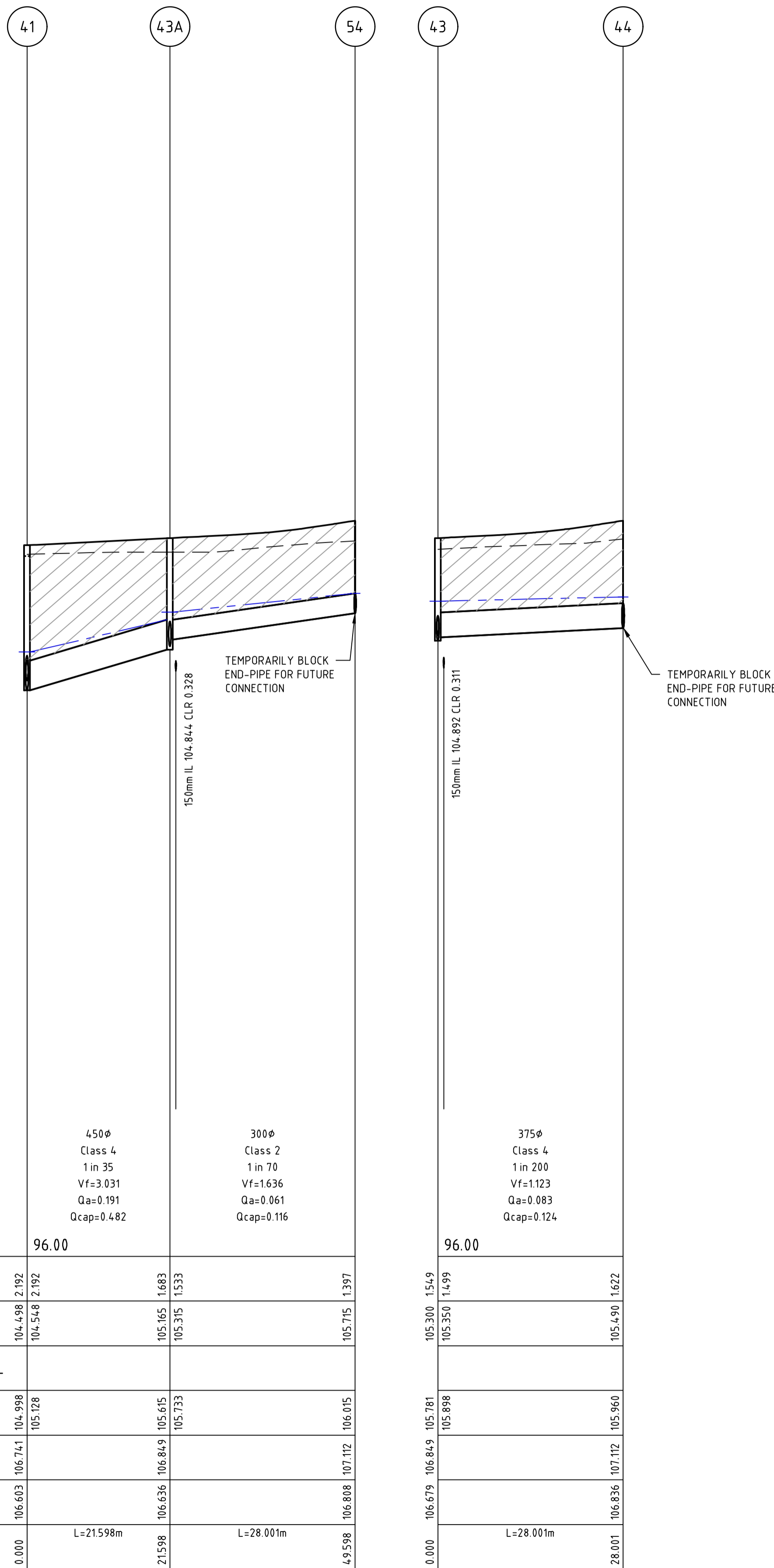
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 14/06/24

SOCIETY 1056
STAGE 1
ROAD AND DRAINAGE
DRAINAGE LONG SECTIONS - SHEET 4
 MELTON CITY COUNCIL
 YOURLAND

PRELIMINARY

 Drg No
309675-001CR603

 Rev
A



DRAINAGE PIT SCHEDULE

NAME	PIT		INTERNAL		INLET		OUTLET		PIT		REMARKS
	TYPE	WIDTH	LENGTH	DIA	INV LEVEL	DIA	INV LEVEL	FS LEVEL	DEPTH		
EX01	EXISTING	1050	900	825	102.540	825	102.440	104.821	2.381	EXISTING PIT, CONNECT TO EXISTING BLOCKOUT	
02	JUNCTION PIT	900	1800	825	102.653	825	102.603	104.820	2.218	REFER TO GAA EDCM STD DWG DWG 607 REFER TO VICROADS SD1023 FOR STRUCTURAL DETAILS	
03	GRATED SIDE ENTRY PIT	900	1950	825	102.764	825	102.714	104.875	2.161	REFER TO GAA EDCM STD DWG DWG 601 & 607 REFER TO VICROADS SD1023 FOR STRUCTURAL DETAILS INSTALL 350mm STEEL ORIFICE PLATE OVER PIT OUTLET AT IL 102.764	
04	GRATED SIDE ENTRY PIT	1650	2100	1050	102.852	825	102.802	105.233	2.431	REFER TO GAA EDCM STD DWG DWG 601 & 607 REFER TO VICROADS SD1023 FOR STRUCTURAL DETAILS SHAPE BASE TO PROVIDE SMOOTH FLOW THROUGH PIT TOWARDS DOWNSTREAM OUTLET	
05	JUNCTION PIT	1050	1500	825	102.918	825	102.868	105.385	2.517	REFER TO GAA EDCM STD DWG DWG 607	
06	JUNCTION PIT	1200	1650	825	102.946	825	102.896	105.525	2.629	REFER TO GAA EDCM STD DWG DWG 607	
07	JUNCTION PIT	1350	900	1050	103.040	1050	102.942	105.844	2.902	REFER TO GAA EDCM STD DWG DWG 607	
08	JUNCTION PIT	1350	900	1050	103.169	1050	103.119	106.148	3.029	REFER TO GAA EDCM STD DWG DWG 607	
09	DOUBLE GRATED SIDE ENTRY PIT	1350	900	900	103.253	1050	103.203	106.093	2.890	REFER TO GAA EDCM STD DWG DWG 602 & 607	
10	GRATED SIDE ENTRY PIT	1200	900	900	103.372	900	103.322	106.610	3.288	REFER TO GAA EDCM STD DWG DWG 601 & 607	
11	GRATED SIDE ENTRY PIT	1200	900	900	103.484	900	103.434	106.844	3.410	REFER TO GAA EDCM STD DWG DWG 601 & 607	
12	DOUBLE GRATED SIDE ENTRY PIT	1200	900	900	103.580	900	103.530	106.751	3.221	REFER TO GAA EDCM STD DWG DWG 602 & 607	
13	GRATED SIDE ENTRY PIT	1200	1050	900	103.722	900	103.672	106.851	3.179	REFER TO GAA EDCM STD DWG DWG 601 & 607 REFER TO VICROADS SD1023 FOR STRUCTURAL DETAILS	
14	KERB ENTRY PIT	1200	900	825	103.833	900	103.783	106.632	2.849	REFER TO GAA EDCM STD DWG DWG 607. INSTALL CIVIL MART KERB ENTRY UNIT "KEC-03000D" AS PER MANUFACTURERS DETAIL	
15	ENDPIPE					825	103.944	107.051	3.106	BLANK OFF INLET WITH MARINE GRADE PLY BOARD FOR FUTURE CONNECTION	
16	GRATED SIDE ENTRY PIT	900	900	525	103.096	600	103.021	104.997	1.976	REFER TO GAA EDCM STD DWG DWG 601 & 607	
17	ENDPIPE					525	103.181	105.170	1.990	BLANK OFF INLET WITH MARINE GRADE PLY BOARD FOR FUTURE CONNECTION	
18	JUNCTION PIT	600	900	225	103.324	225	103.274	104.726	1.452	REFER TO GAA EDCM STD DWG DWG 605	
18EP	ENDPIPE					225	103.560	104.962	1.402	BLANK OFF INLET WITH MARINE GRADE PLY BOARD FOR FUTURE CONNECTION	
19	JUNCTION PIT	600	900			225	104.900	105.745	0.845	REFER TO GAA EDCM STD DWG DWG 605	
20	ENDWALL					1050	102.902			REFER TO CR900 FOR DETAILS	
21	GRATED SIDE ENTRY PIT	600	900			300	103.516	105.243	1.728	REFER TO GAA EDCM STD DWG DWG 601 & 605	
22	JUNCTION PIT	600	900	225	105.352	225	105.302	106.167	0.865	REFER TO GAA EDCM STD DWG DWG 605	
23	JUNCTION PIT	600	900	225	106.001	225	105.951	106.814	0.863	REFER TO GAA EDCM STD DWG DWG 605	
24	JUNCTION PIT	600	900			225	106.075	106.849	0.785	REFER TO GAA EDCM STD DWG DWG 605	
25	GRATED SIDE ENTRY PIT	600	900	300	104.158	300	104.108	106.161	2.053	REFER TO GAA EDCM STD DWG DWG 601 & 605	
26	GRATED SIDE ENTRY PIT	600	900	300	104.266	300	104.216	105.960	1.744	REFER TO GAA EDCM STD DWG DWG 601 & 605	
27	GRATED SIDE ENTRY PIT	600	900	300	104.358	300	104.308	105.948	1.640	REFER TO GAA EDCM STD DWG DWG 601 & 605	
28	GRATED SIDE ENTRY PIT	600	900			300	104.836	106.234	1.398	REFER TO GAA EDCM STD DWG DWG 601 & 605	
29	GRATED SIDE ENTRY PIT	600	900	375	105.025	375	104.975	106.713	1.738	REFER TO GAA EDCM STD DWG DWG 601 & 605	
30	GRATED SIDE ENTRY PIT	600	900	375	105.124	375	105.074	106.713	1.638	REFER TO GAA EDCM STD DWG DWG 601 & 605	
31	ENDPIPE					375	105.278	106.992	1.714	BLANK OFF INLET WITH MARINE GRADE PLY BOARD FOR FUTURE CONNECTION	
32	GRATED SIDE ENTRY PIT	600	900	300	104.109	300	104.059	106.822	2.763	REFER TO GAA EDCM STD DWG DWG 601 & 605	
33	GRATED SIDE ENTRY PIT	600	900	300	104.217	300	104.167	106.623	2.456	REFER TO GAA EDCM STD DWG DWG 601 & 605	
34	GRATED SIDE ENTRY PIT	600	900	300	104.309	300	104.259	106.607	2.348	REFER TO GAA EDCM STD DWG DWG 601 & 605	
35	GRATED SIDE ENTRY PIT	600	900	300	104.417	300	104.367	106.822	2.455	REFER TO GAA EDCM STD DWG DWG 601 & 605	
36	JUNCTION PIT	600	900	300	104.662	300	104.587	106.848	2.261	REFER TO GAA EDCM STD DWG DWG 605	
37	GRATED SIDE ENTRY PIT	600	900	300	104.663	300	104.613	106.723	2.110	REFER TO GAA EDCM STD DWG DWG 601 & 605	
38	GRATED SIDE ENTRY PIT	600	900	300	104.771	300	104.721	106.482	1.761	REFER TO GAA EDCM STD DWG DWG 601 & 605	
39	GRATED SIDE ENTRY PIT	600	900	300	104.863	300	104.813	106.482	1.669	REFER TO GAA EDCM STD DWG DWG 601 & 605	
40	GRATED SIDE ENTRY PIT	600	900			300	104.863				
41	KERB ENTRY PIT	750	1050	450	104.548	450	104.498	106.741	2.243	REFER TO GAA EDCM STD DWG DWG 607. INSTALL CIVIL MART KERB ENTRY UNIT "KEL-03000D" AS PER MANUFACTURERS DETAIL	
42	KERB ENTRY PIT	600	900			375	104.698			REFER TO VICROADS SD1023 FOR STRUCTURAL DETAILS	
43	JUNCTION PIT	600	900	375	105.350	450	105.300	106.849	1.549	REFER TO GAA EDCM STD DWG DWG 605	
43A	JUNCTION PIT	750	900			300	105.375				
44	ENDPIPE					300	105.315				
45	GRATED SIDE ENTRY PIT	600	900			300	103.434	104.997	1.563	BLANK OFF INLET WITH MARINE GRADE PLY BOARD FOR FUTURE CONNECTION	
46	JUNCTION PIT	600	900	225	104.531	300	104.456	105.854	1.398	REFER TO GAA EDCM STD DWG DWG 605	
47	JUNCTION PIT	600	900			225	105.696	106.535	0.839	REFER TO GAA EDCM STD DWG DWG 605	
48	JUNCTION PIT	600	900	225	105.202	300	105.127	106.525	1.398	REFER TO GAA EDCM STD DWG DWG 605	
49	JUNCTION PIT	600	900			225	105.701	106.720	1.019	REFER TO GAA EDCM STD DWG DWG 605	
50	JUNCTION PIT	600	900	300	106.055	300	106.005	107.430	1.425	REFER TO GAA EDCM STD DWG DWG 605	
51	ENDPIPE					300	106.428	107.739	1.311	BLANK OFF INLET WITH MARINE GRADE PLY BOARD FOR FUTURE CONNECTION	
52	JUNCTION PIT	600	900	225	105.036	300	104.961	106.358	1.397	REFER TO GAA EDCM STD DWG DWG 605	
53	JUNCTION PIT	600	900			225	105.841	106.710	0.869	REFER TO GAA EDCM STD DWG DWG 605	
54	ENDPIPE					300	105.715	107.112	1.397	BLANK OFF INLET WITH MARINE GRADE PLY BOARD FOR FUTURE CONNECTION	

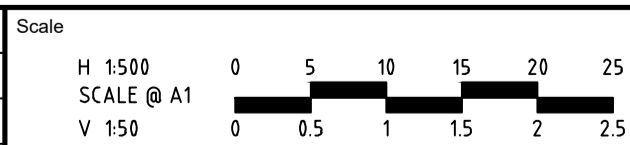
Pipe Diameter
Pipe Class
Pipe Grade
Velocity (m/s)
Pipe Flow (m3/s)
Pipe Capacity (m3/s)

450ø
Class 4
1 in 35
Vf=3.031
Qa=0.191
Qcap=0.482

300ø
Class 2
1 in 70
Vf=1.636
Qa=0.061
Qcap=0.116

375ø
Class 4
1 in 200
Vf=1.123
Qa=0.083
Qcap=0.124

DATUM	96.00			
DEPTH TO INVERT	104.598	2.192	104.548	2.192
DESIGN INVERT LEVEL	105.165	1.683	105.315	1.533
Q100 HYDRAULIC GRADE LEVEL				
Q5 HYDRAULIC GRADE LEVEL	104.998	105.128	105.615	105.733
FINISHED SURFACE LEVEL	106.741	106.849	107.112	106.015
EXISTING SURFACE LEVEL	106.603	106.636	106.808	107.112
CHAINAGE	0.000	L=21.598m	L=28.001m	



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Designed
P. COLLIER
Authorised
M. HOLMES

Checked
W. ONG
Date
14/06/24

SOCIETY 1056
STAGE 1
ROAD AND DRAINAGE
DRAINAGE LONG SECTIONS & PIT SCHEDULE - SHEET 5
MELTON CITY COUNCIL
YOURLAND

PRELIMINARY Drg No 309675-001CR604 Rev A

file name: 309675-001CR600.dwg, layout name: CR604, plotted by: Miriam Ong, file location: \\spiire\media\data\30_309675\001\Cr604.dwg, plot date: 14/06/2024 3:59 PM Sheet 18 of 22 Sheets

DESIGN PAVEMENT PROFILE

PAVEMENT LAYER	DESCRIPTION	DEPTH (mm)
		TYPE A*
ASPHALT UPPER LAYER	SIZE 10 mm TYPE N (CLASS 320 BINDER)	30
ASPHALT LOWER LAYER	SIZE 10 mm TYPE N (CLASS 320 BINDER)	30
SAMI	SIZE 10 S18R	Y
PRIME / PRIMER SEAL	BITUMEN PRIME OR BITUMEN EMULSION PRIMER OR SIZE 7 mm BITUMEN EMULSION PRIMER SEAL	Y
BASE	SIZE 20 mm CLASS 2 CRUSHED ROCK OR SIZE 20 mm CLASS 2 CRUSHED RECYCLED CONCRETE	130
SUB BASE	SIZE 20 mm CLASS 3 CRUSHED ROCK OR SIZE 20 mm CLASS 3 CRUSHED RECYCLED CONCRETE	100
CAPPING LAYER	APPROVED LOW PERMEABILITY SELECT MATERIAL MAXIMUM PERMEABILITY 5 X 10 ⁻⁹ m/s, MINIMUM SOAKED CBR 8%, MAX CBR SWELL 1.5%	150
CONSTRUCTION LAYER	APPROVED LOW PERMEABILITY SELECT MATERIAL MAXIMUM PERMEABILITY 5 X 10 ⁻⁹ m/s, MINIMUM SOAKED CBR 8%, MAX CBR SWELL 1.5%	150
SUBGRADE	PREPARED IN ACCORDANCE WITH EDM-2019	
TOTAL PAVEMENT DEPTH		590

* REFER PAVEMENT PLAN FOR LOCATION OF PAVEMENT TYPES

PAVEMENT DETAILS

THE PAVEMENT DESIGNS SHOWN HERE HAVE BEEN DESIGNED/PROVIDED BY DOUGLAS PARTNERS WHO ARE RESPONSIBLE FOR THE GEOTECHNICAL WORK ON THIS PROJECT. SPIIRE IS NOT RESPONSIBLE FOR THE WORK OF DOUGLAS PARTNERS.

THE DESIGN HAS BEEN EXTRACTED FROM THE REPORT ON GEOTECHNICAL INVESTIGATION AND ADVICE RESIDENTIAL SUB-DIVISION REPORT ON "GEOTECHNICAL INVESTIGATION FOR 1056 TAYLORS ROAD" THIS DOCUMENT SHOULD BE REVIEWED TO ENSURE THAT THE DESIGN HAS BEEN ACCURATELY REPRODUCED.

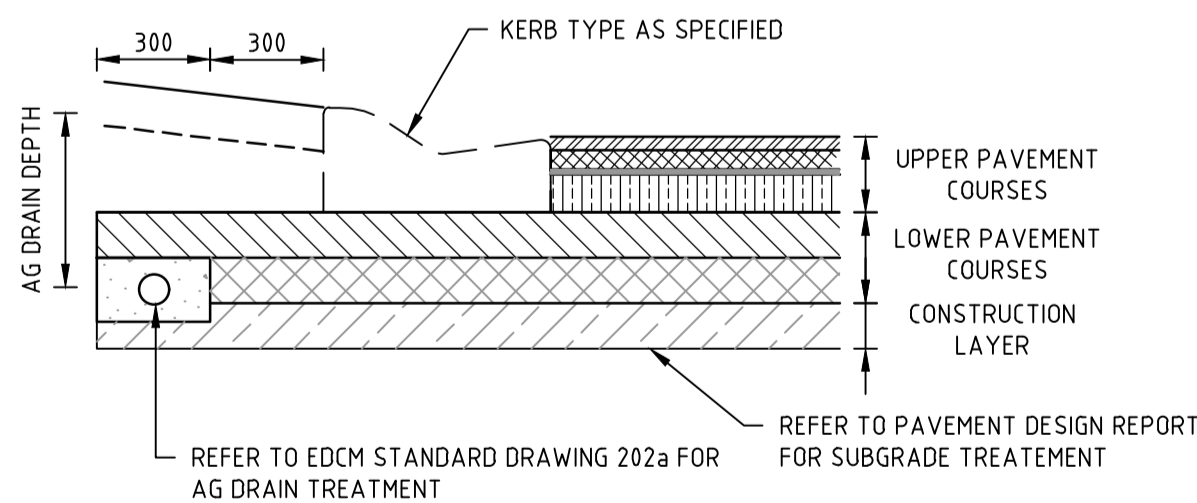
A COPY OF THE DOCUMENT WILL BE PROVIDED ON REQUEST.

SPIIRE 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 DOUGLAS PARTNERS AND COPIED TO SPIIRE.

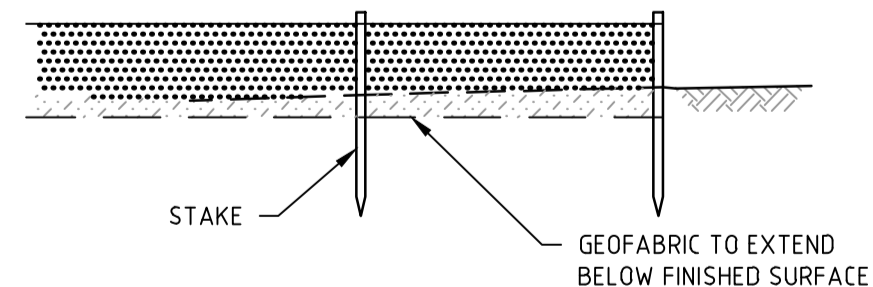
ROAD NAME	TYPE
CLIMATE STREET	A
WINTON DRIVE	A
BLADE CIRCUIT	A
LILYBLOOM WAY	A
GINKGO STREET	A
PETUNIA WAY	A
WATTLESEED DRIVE	A

CONCRETE PAVEMENT NOTES:

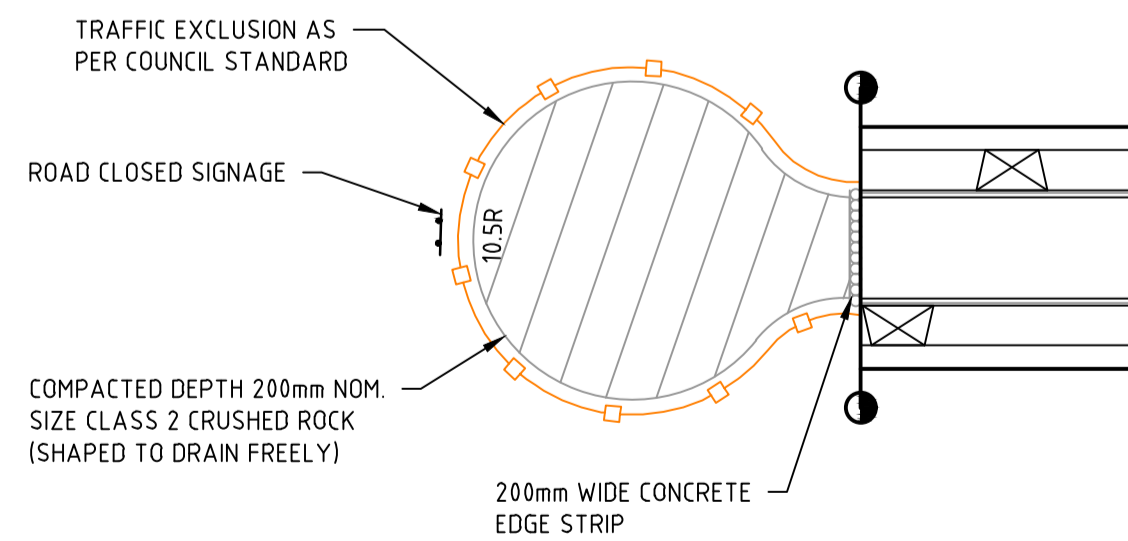
- ALL WORKS TO BE COMPLETED IN ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARDS AND CCAA LITERATURE; OR VIC ROADS STANDARDS FOR NON RESIDENTIAL STREETS.
- ALL CONCRETE TO BE MINIMUM 32MPa COMPRESSIVE STRENGTH
- CONCRETE TO BE THOROUGHLY COMPACTED USING EITHER SURFACE AND/OR IMMERSION VIBRATORS, PARTICULARLY AROUND REINFORCEMENT AND IN CORNERS OF FORMS.
- PRIOR TO CASTING, THE UNBOUND GRANULAR SUBBASE MUST BE DAMP TO ENSURE NO EARLY "DRYING OUT" OF THE CONCRETE.
- CURING OF CONCRETE IS ESSENTIAL - IDEALLY BY MAINTAINING WET HESSIAN OR SEALING WITH PLASTIC SHEETING.
- SAW CUTTING OF CONCRETE SHOULD BE COMMENCED AS SOON AS CONCRETE PERMITS BY EXPERIENCED CONTRACTORS, BUT NO LATER THAN 12 HOURS AFTER POUR.
- ALL DOWELS TO BE GRADE 250R STEEL BARS, 450mm LONG AND PLACED AT 300mm CENTRES. REFER CCAAL - "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.
- ALL JOINTS TO BE APPROPRIATELY SEALED TO RESIST THE INTRUSION OF SAND AND GRAVEL AND TO MINIMISE THE INGRESS OF WATER.



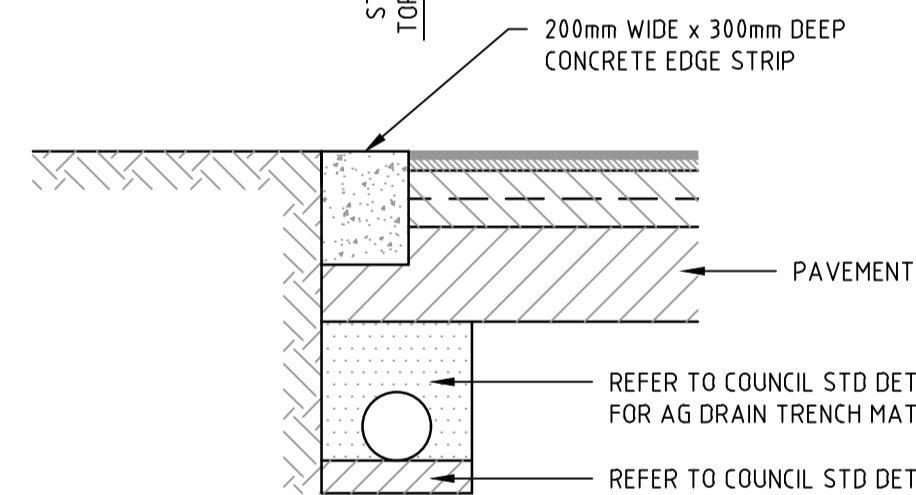
TYPICAL SUBSURFACE DRAINAGE DETAIL



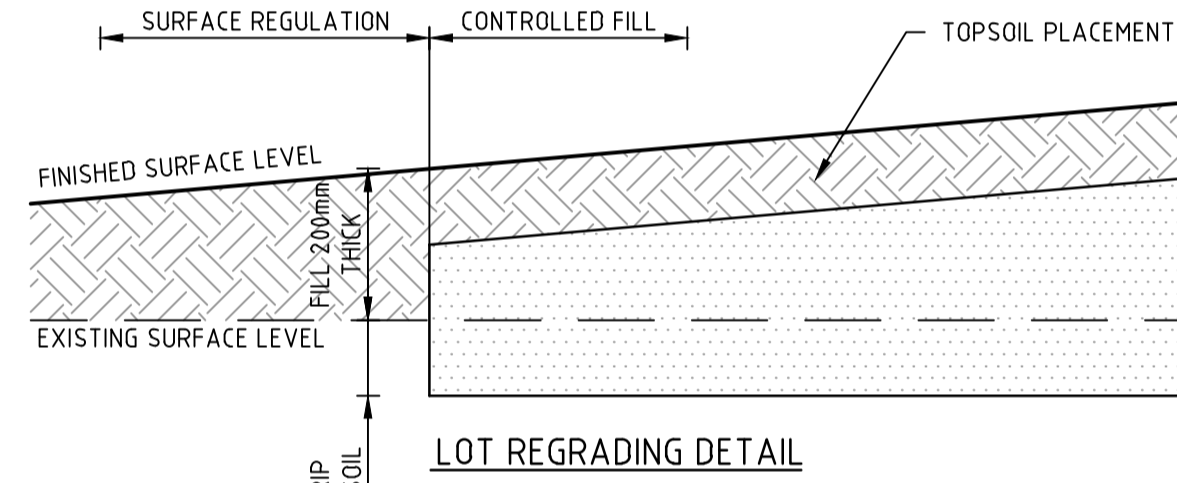
SILT CONTROL FOR LOTS
GEOFABRIC SILT FENCE



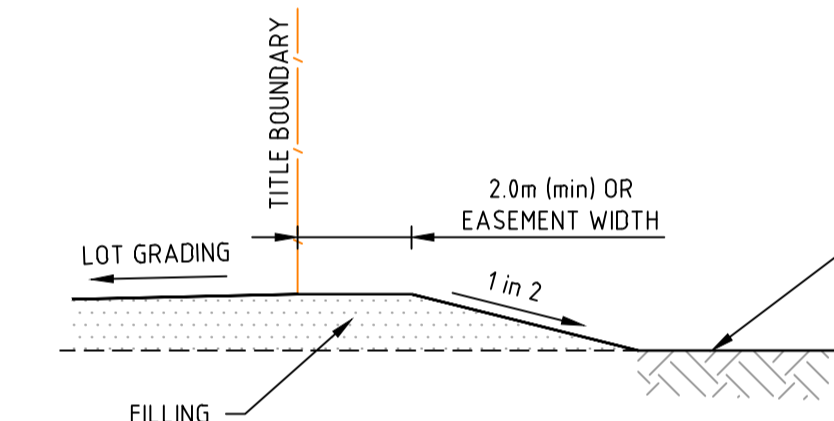
TEMPORARY TURNING AREA DETAIL



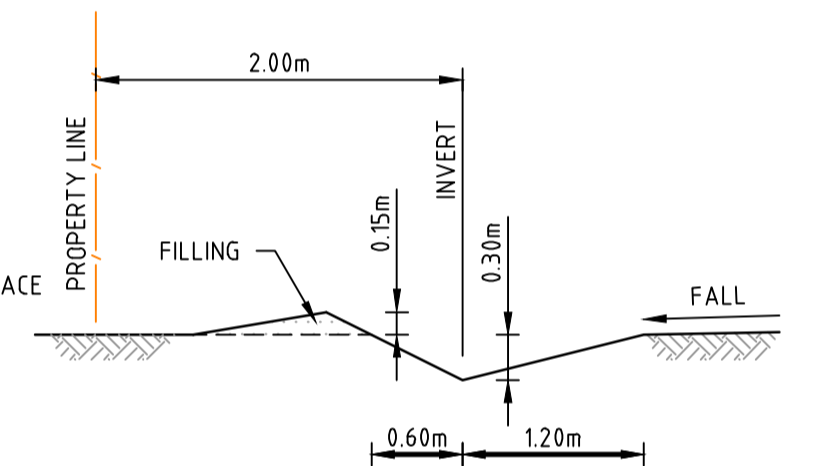
LIMIT OF WORKS CONCRETE EDGE STRIP & PAVEMENT INTERFACE DETAIL



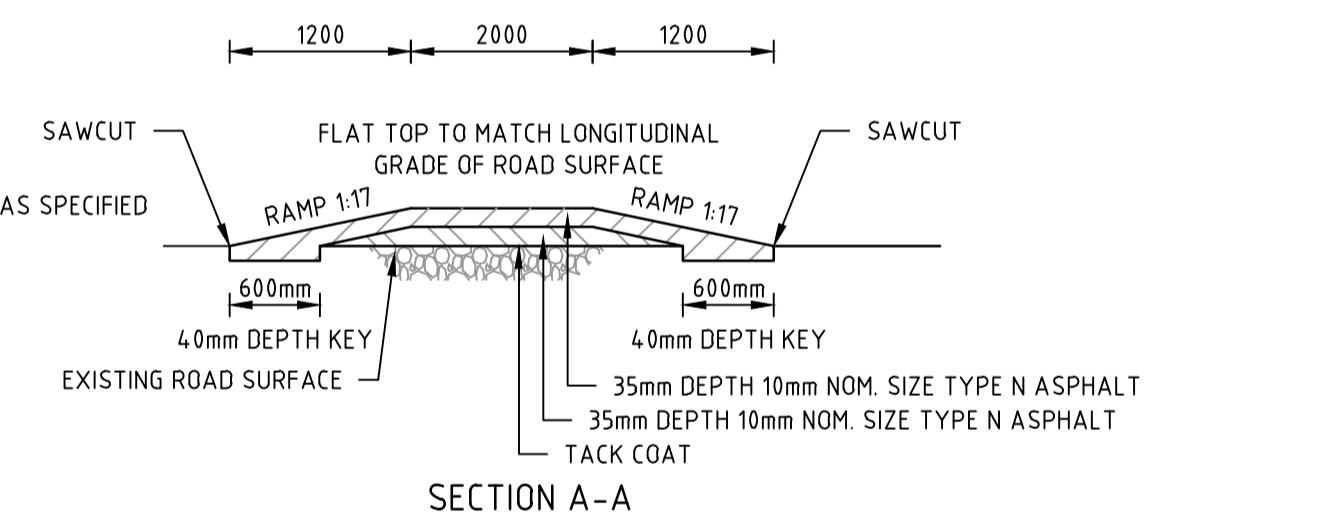
LOT REGRADING DETAIL



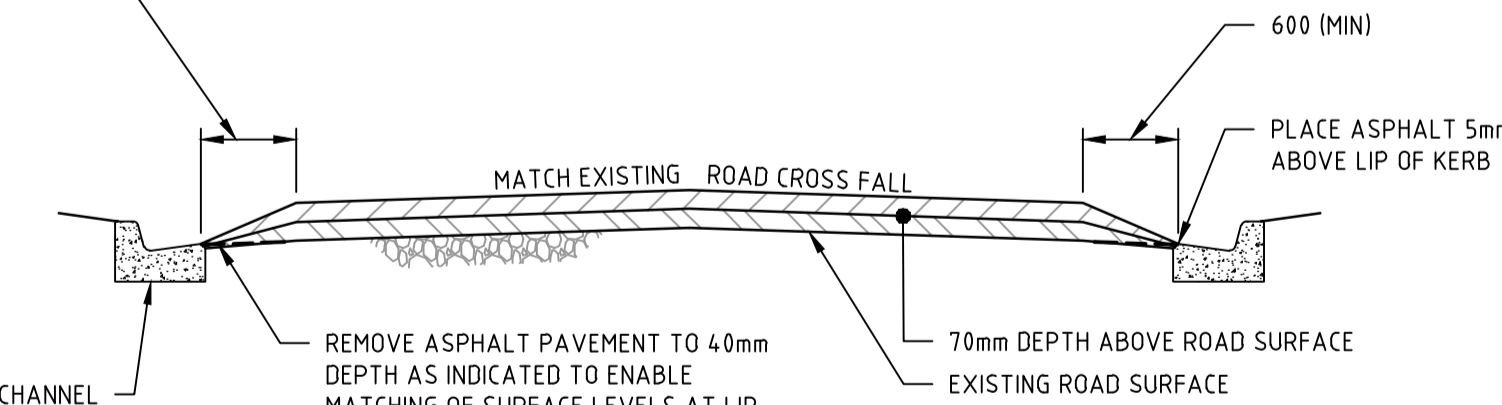
LOT FILLING AT STAGE BOUNDARY



TYPICAL CATCH DRAIN SECTION

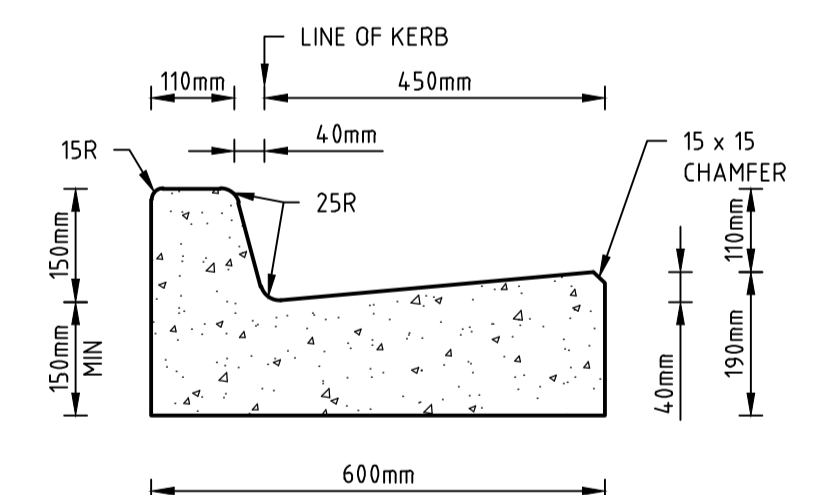


SECTION A-A



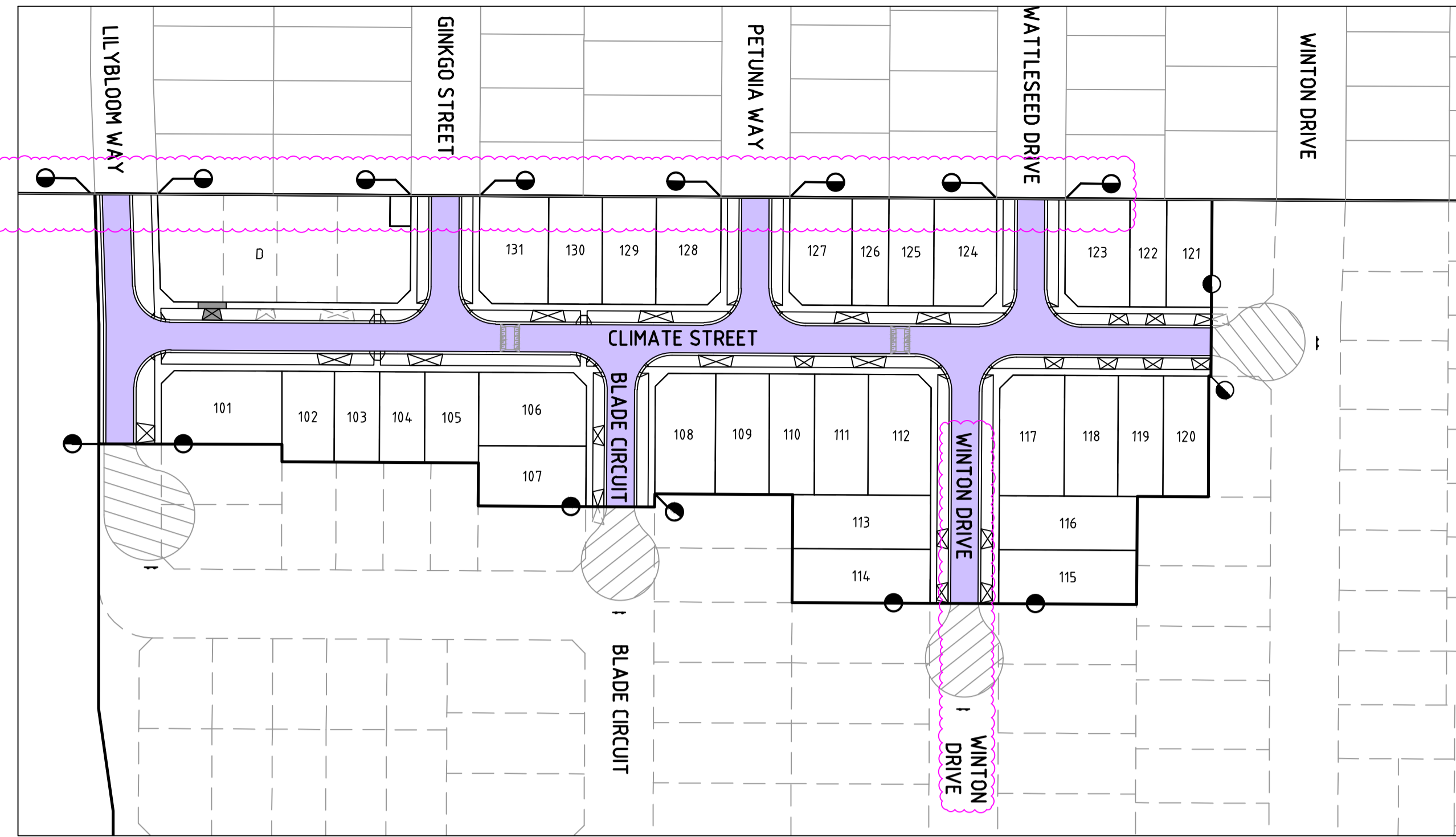
SECTION B-B

RAISED PAVEMENT TREATMENT DETAILS

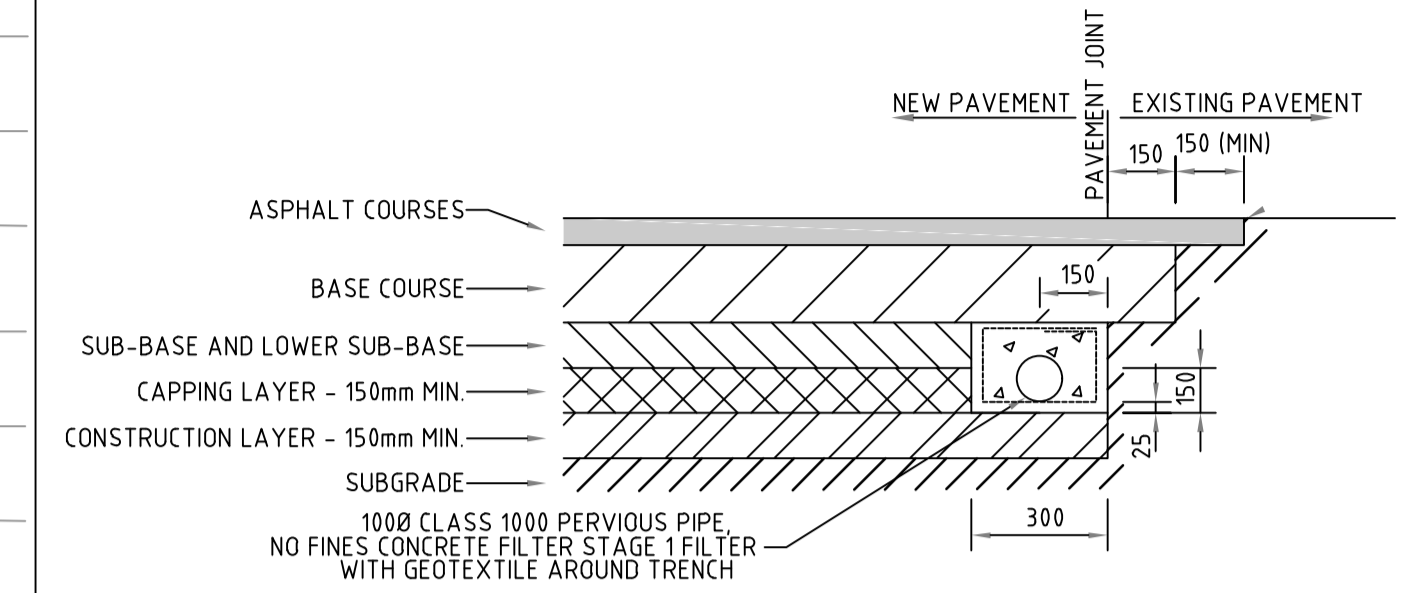
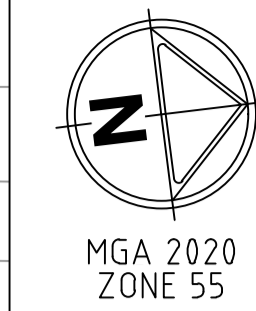
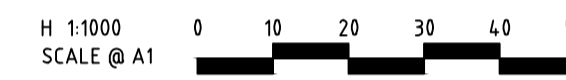


STANDARD KERB PROFILES

NOTE: ALL KERB & CHANNEL AS PER EDM STD DRAWING EDM 301



PAVEMENT PLAN



JOINT DETAIL FOR ROAD PAVEMENTS EDM 201

NOTE: CONTRACTOR TO REFER TO EDM 201 EXPANSIVE SUBGRADE DETAIL. THE EDM DETAIL OVERRULES THE DETAIL SHOWN ABOVE.

file name: 30675-001CR700.dwg, layout name: C3100, plotted by: Misha Ogi, file location: G:\30675\001CR700\ACAD\plot.dwg, 14/06/2024, 3:59 PM, Sheet 19 of 22 Sheets

Rev	Description	Author	Date
D	CONCRETE PAVEMENT REMOVED, ROAD NAME CHANGE	M.F	02/02/24
C	COUNCIL COMMENTS ADDRESSED	M.F	19/12/23
B	ISSUED FOR APPROVAL	M.F	10/11/23
A	ISSUED FOR TENDER	M.F.	05/05/23
Rev	Amendments	Approved	Date

Scale: AS SHOWN

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YourLand Developments

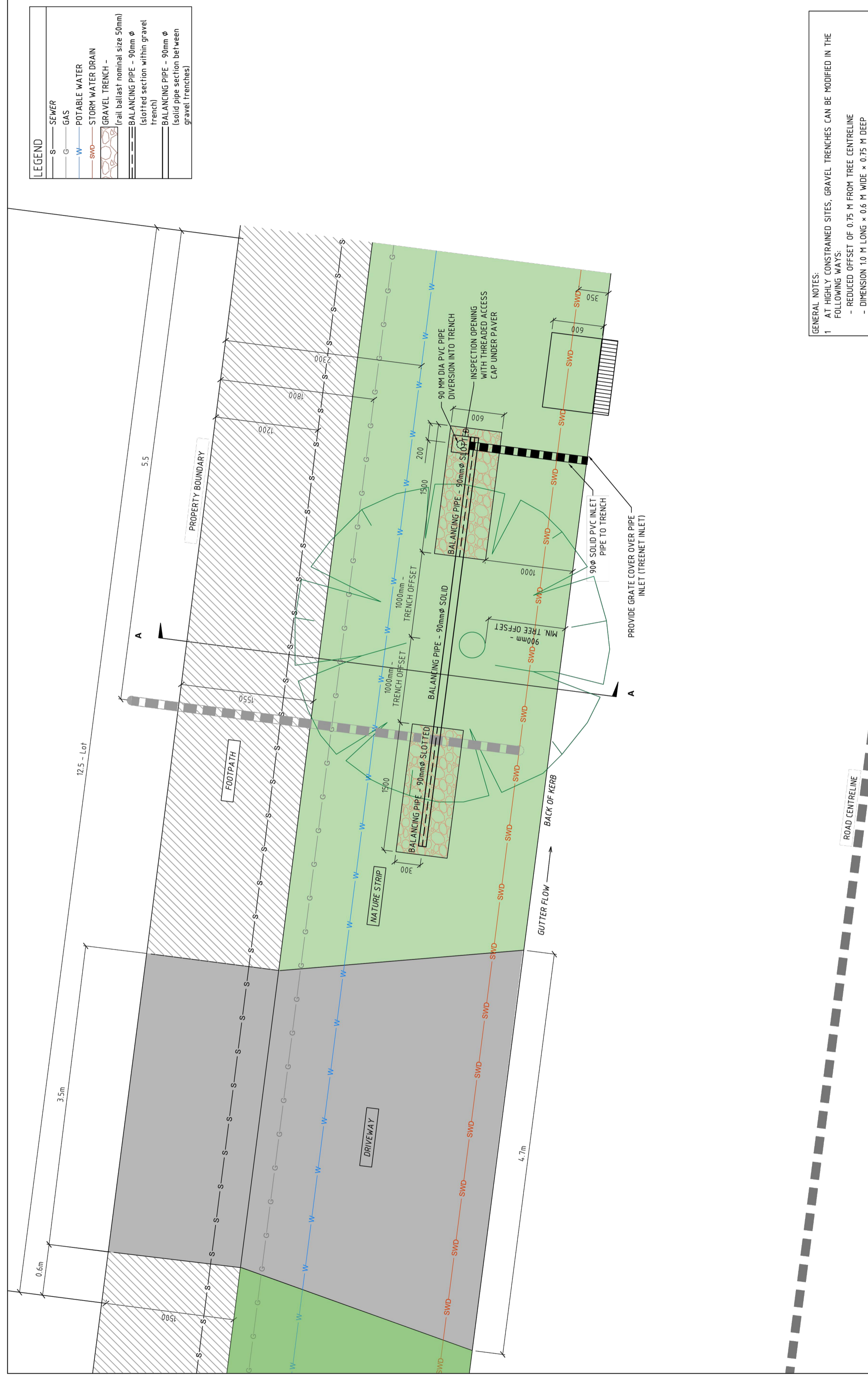
Designed: P.COLLIER
Authorised: M.HOLMES

Checked: C.DOBRZELAK
Date: 14/06/24

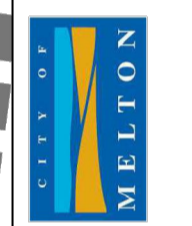
SOCIETY 1056
STAGE 1
ROAD AND DRAINAGE
PAVEMENT AND TYPICAL DETAILS - SHEET 1
MELTON CITY COUNCIL
YOURLAND

PRELIMINARY Drg No: 309675-001CR700 Rev: D

Rev	Amendments	Approved	Date
B	ISSUED FOR APPROVAL	M.F	10/11/23
A	ISSUED FOR TENDER	M.F.	05/05/23



REV	DESCRIPTION	APPD	DATE
D	REVISED DESIGN - RESSUE	JML	01/03/19
C	REVISED DESIGN - RESSUE	JML	31/10/18
B	REVISED DESIGN - RESSUE	JML	09/10/18
A	PRELIMINARY ISSUE	JIV	27/03/18



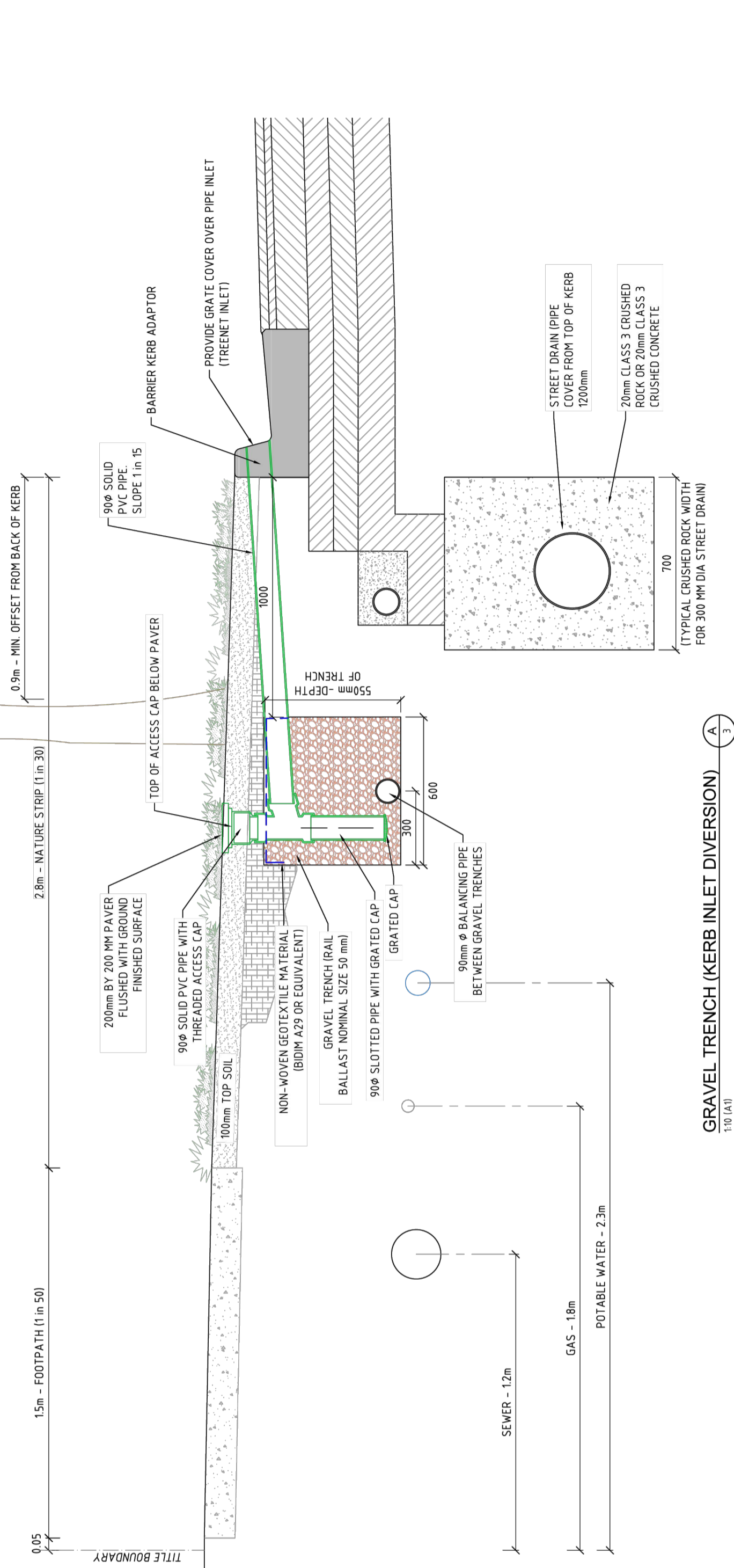
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 Alluvium Consulting Australia
 Pty. Ltd.
 ABN 76 15 119 792
 127-129 Street
 Cremorne VIC 3121
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 www.alluvium.com.au

DESIGNED	DRAWN	CHECKED	APPROVED	PROJECT No.
P. VINDIGAMM	K. STANHOPE	J. KELCAN	J. KELCAN	PH893

MELTON CITY COUNCIL	PROJECT No.	DATE
PASSIVE STREET TREE IRRIGATION GRAVEL TRENCH (KERB INLET DIVERSION)	PH893	12/01/24

NOTES:

- TOP OF GRAVEL TRENCH TO BE LINED WITH NON-WOVEN GEOTEXTILE MATERIAL AS SHOWN TO PREVENT FINE MIGRATION INTO THE TRENCH
- ALL PVC JOINTS TO BE SEALED WITH SOLVENT CEMENT
- ALL GRASSED AREAS TO BE TOP DRESSED WITH 100 MM TOPSOIL AND SEEDED AS SPECIFIED
- SERVICE DEPTHS AND LOCATIONS ARE INDICATIVE ONLY



DESIGNED	DRAWN	CHECKED	APPROVED	PROJECT No.
P. VINDIGAMM	K. STANHOPE	J. KELCAN	J. KELCAN	PH893



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MELTON CITY COUNCIL	PROJECT No.	DATE
PASSIVE STREET TREE IRRIGATION GRAVEL TRENCH (KERB INLET DIVERSION)	PH893	12/01/24

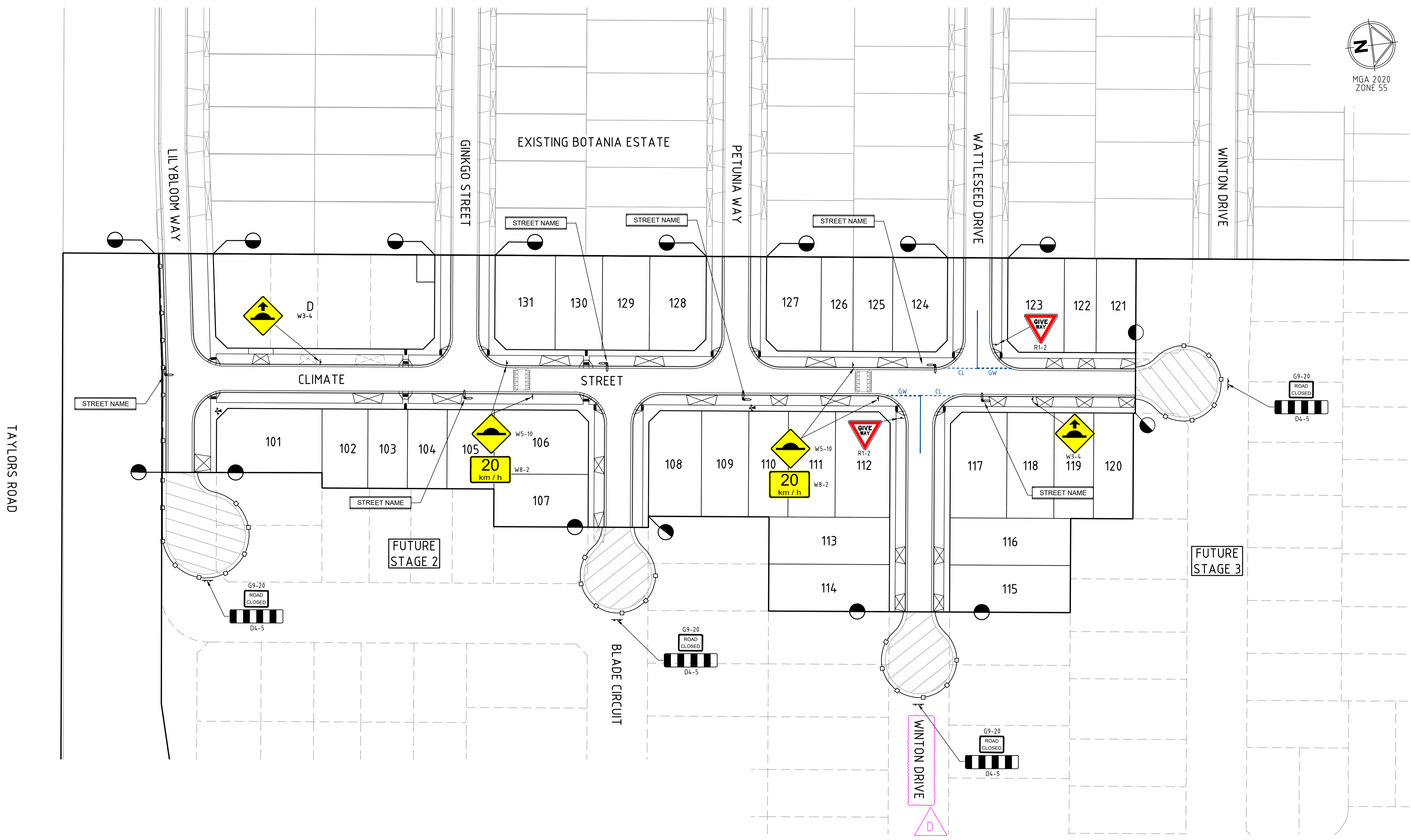
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Designed
 P. COLLIER
 Authorised
 M. HOLMES
 Checked
 C. DOBRZELAK
 Date
 14/06/24

SOCIETY 1056
STAGE 1
ROAD & DRAINAGE
PASSIVE IRRIGATION DETAILS - SHEET 2
MELTON CITY COUNCIL
YOURLAND
PRELIMINARY

Drg No
309675-001CR701
 Rev
B



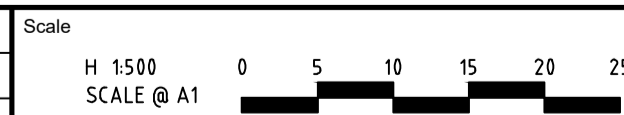
LINEMARKING LEGEND

SYMBOL	DESCRIPTION	REMARK
	HOLDING LINE (GIVEWAY)	600mm LINE, 600mm GAP, 300mm WIDE
	CONTINUITY LINE (STATCON)	600mm LINE, 600mm GAP, 150mm WIDE
	CONTINUOUS LANE LINE	150mm WIDE
	TACTILE GROUND SURFACE INDICATORS	REFER AS1428.4.1 - 2009
	RRPM	

NOTE:

STREET SIGNS ARE TO BE MOUNTED ON LIGHT POLES, WITH A COUNCIL APPROVED BRACKET, IN LIEU OF SIGN POLES WHERE THE TWO POLES ARE IN CLOSE PROXIMITY AND WHERE THE STREET SIGN WOULD NOT BE COMPROMISED IN ITS PURPOSE BY THE RELOCATION.

STREET NAME PLATES TO INCLUDE "NO THROUGH ROAD" NOMINATION WHERE APPLICABLE



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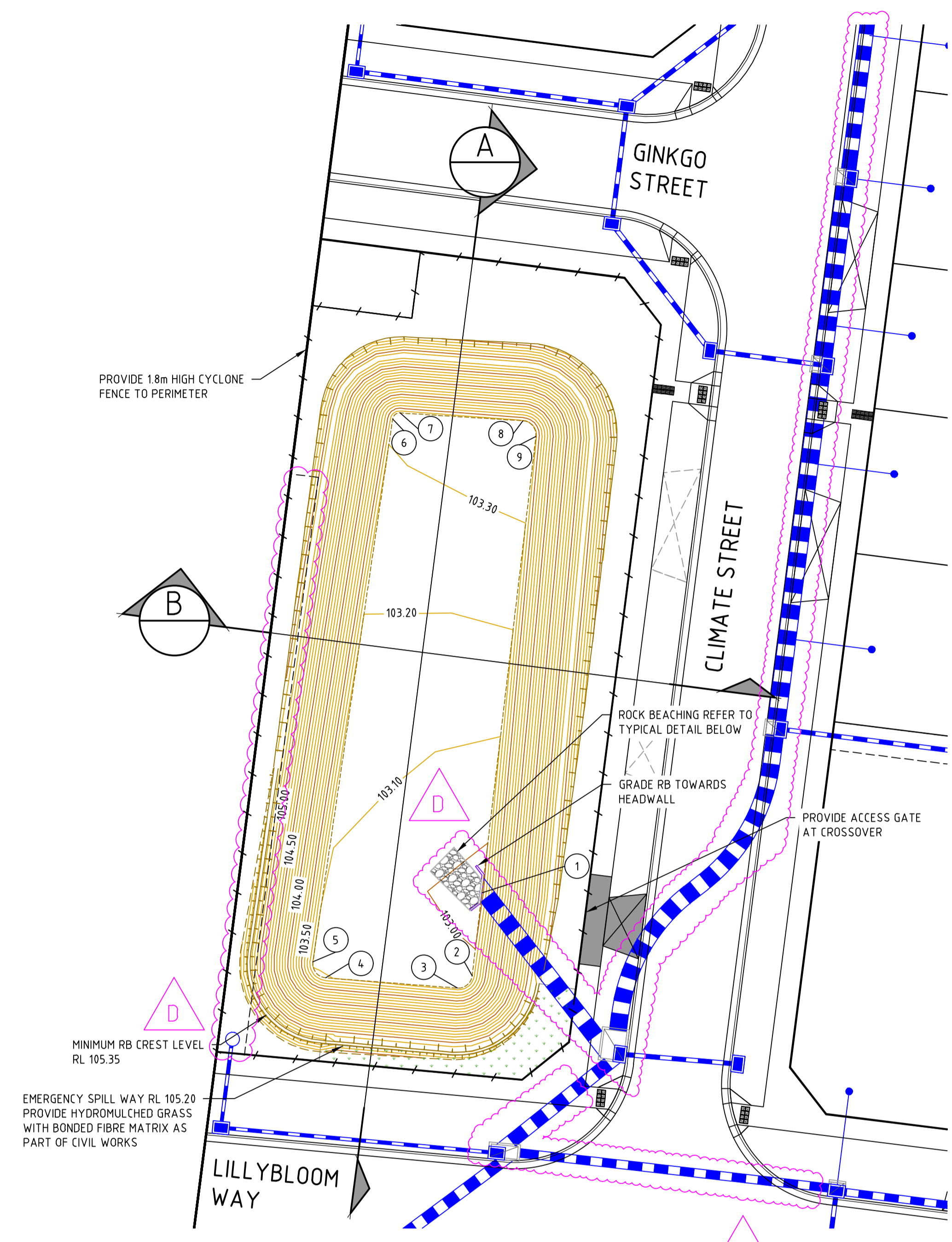
Designed
P. COLLIER
Authorised
M. HOLMES

Checked
C. DOBRZELAK
Date
14/06/24

SOCIETY 1056
STAGE 1
ROAD AND DRAINAGE
SIGNAGE AND LINEMARKING - SHEET 1
MELTON CITY COUNCIL
YOURLAND

PRELIMINARY Drg No 309675-001CR800 Rev D

file name: 309675-001CR800.dwg, layout name: CR800, plotted by: M.Holmes, Date: 14/06/2024, 3:59 PM, Sheet: 21 of 22 Sheets

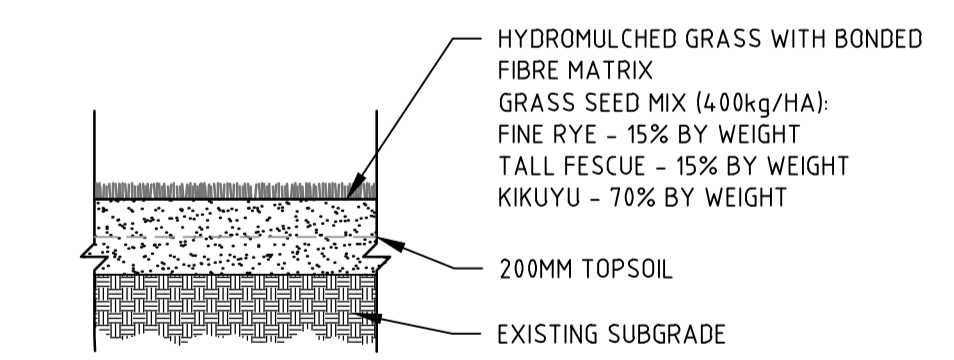
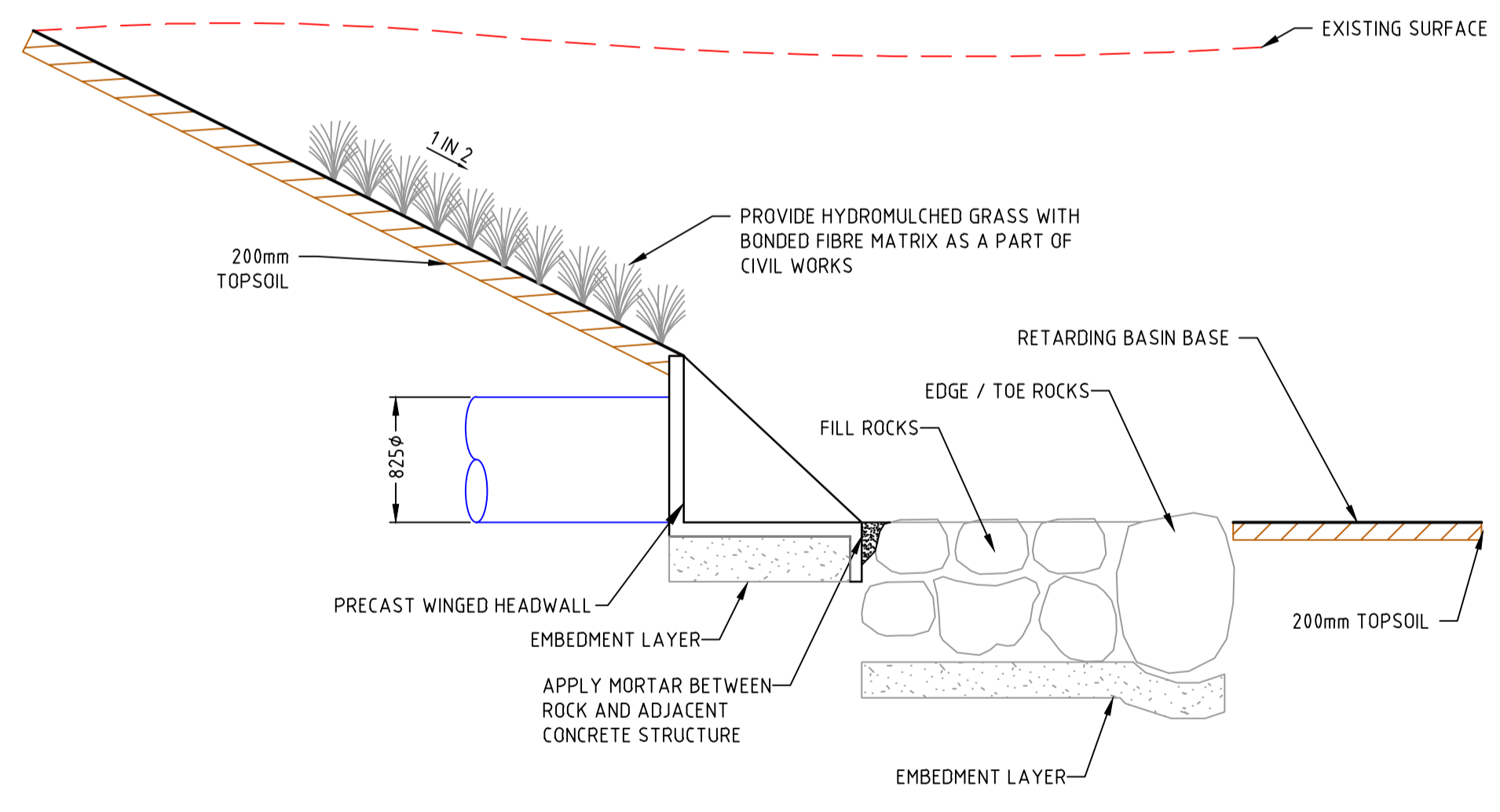
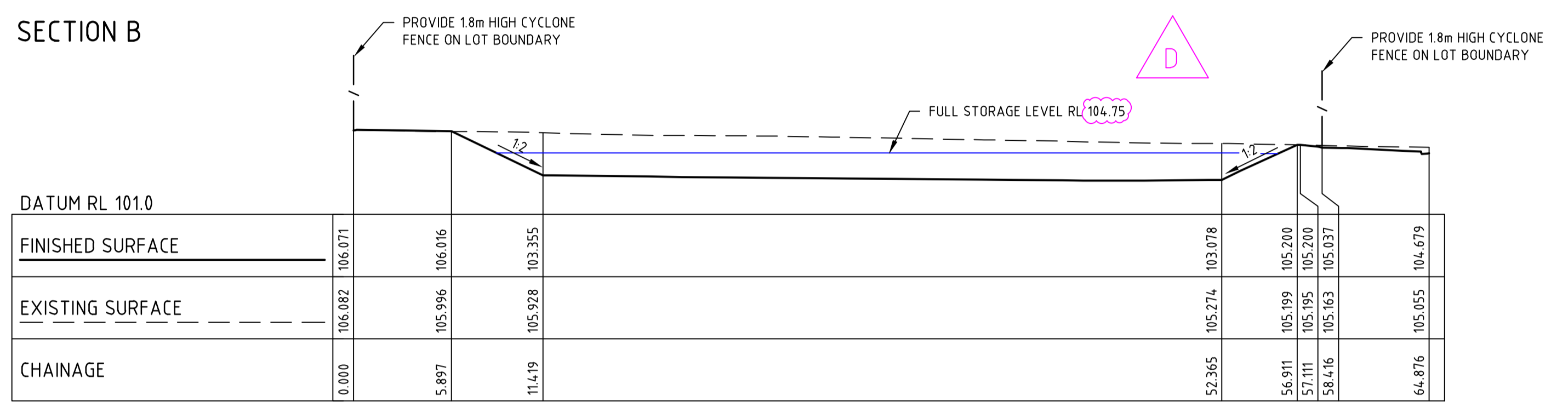
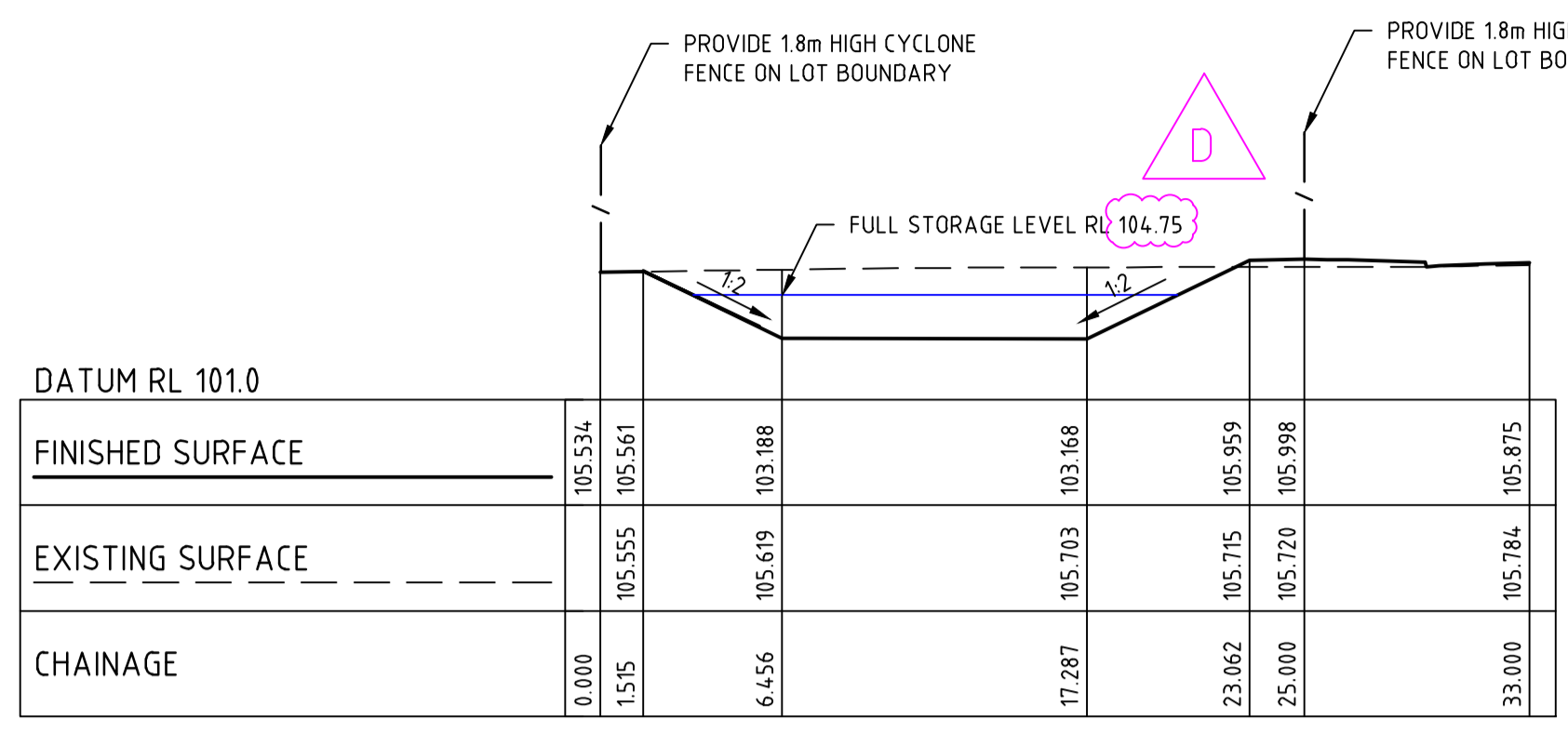


×MINIMUM VOLUME OF TEMP BASIN 960m³

ALIGNMENT RB BASE

POINT NO	EASTING	NORTHING	RL
1	297464.648	5823079.195	102.950
2	297463.944	5823073.252	103.024
3	297462.901	5823072.371	103.042
4	297453.415	5823073.113	103.103
5	297452.504	5823074.255	103.096
6	297458.235	5823113.233	103.321
7	297458.761	5823113.660	103.330
8	297467.600	5823113.101	103.388
9	297468.530	5823111.986	103.382

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
2-3	1.000	1.503	1.366	0.269	0.070
4-5	1.000	1.639	1.461	0.317	0.083
6-7	0.500	0.744	0.677	0.132	0.034
8-9	1.000	1.626	1.452	0.313	0.081



- EXISTING PASTURE GRASS AND/OR WEEDS ARE TO BE SPRAYED WITH HERBICIDE.
- NO MACHINERY TO BE USED WITHIN THE DRIP LINE OF EXISTING TREES.
- TOPSOIL TO BE RAKED TO A FINE TILT, REMOVAL OF ALL SURFACE ROCKS, LARGE LUMPS OF CLAY, WEEDS, RUBBISH PRIOR TO APPLICATION OF DRILL SEEDED GRASS TO ALL AREAS AS SHOWN.
- NEW GRASSED AREAS TO BE PROTECTED FROM TRESPASS AND TRAFFIC WITH STAR PICKETS AND BARRIER ROPE UNTIL GRASS IS ESTABLISHED.

file name: 309675-001CR900.dwg, layout name: CR900, plotted by: Miriam Ong, file location: G:\309675\001\Civil\ACAD\plot date: 14/06/2024, 4:00 PM, sheet: 22 of 22 sheets

Rev	Amendments	Approved	Date
D	DRAINAGE UPSIZED TO Q100	M.H	14/06/24
C	RB AMENDED	M.F	02/02/24
B	ISSUED FOR APPROVAL	M.F	10/11/23
A	ISSUED FOR TENDER	M.F.	05/05/23

Scale
NOT TO SCALE

System Certified
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Designed
 P.COLLIER
 Authorised
 M.HOLMES
 Checked
 C.DOBRZELAK
 Date
 14/06/24

SOCIETY 1056
STAGE 1
ROAD AND DRAINAGE
TEMPORARY RETARDING BASIN DETAILS
 MELTON CITY COUNCIL
 YOURLAND
PRELIMINARY Drg No 309675-001CR900 Rev D