

GENERAL NOTES:

- 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 ±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.
- 4. 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
- 7. ALL EXCAVATED ROCK AND SURPLUS SPOIL TO BE REMOVED AND DISPOSED OFF SITE
- 8. 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.
- 10. ALL BATTERS SHALL BE 1 IN 6, UNLESS OTHERWISE SHOWN.
- 11. 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.
- 12. 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.
- 13. AT LEAST 3 DAYS PRIOR TO COMMENCING WORK ON EXCAVATIONS IN EXCESS OF 1.50m 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.
- 14. 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.
- 15. 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
- 16. NO BLASTING TO BE CARRIED OUT WITHIN THE MUNICIPALITY WITHOUT OBTAINING COUNCILS PERMISSION.

<u>SERVICES</u>

17. GAS AND 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

- 18. ALL SERVICE CONDUIT TRENCHES UNDER ROAD PAVEMENTS TO BE BACKFILLED IN ACCORDANCE WITH RELEVANT MUNICIPALITY OR ROAD AUTHORITY SPECIFICATION.
- 19. WATER TAPPINGS TO BE LOCATED IN CENTRE OF ALLOTMENTS UNLESS OTHERWISE SHOWN.
- 20. TELSTRA ARE TO BE NOTIFIED 7 DAYS PRIOR TO PLACEMENT OF CONCRETE WORKS.

STORM WATER DRAINAGE

- 21. AG/SUBSOIL DRAIN TO BE LAID BEHIND KERB WHERE REQUIRED IN ACCORDANCE WITH THE COUNCIL STANDARD DRAWINGS AND CONNECTED TO UNDERGROUND DRAINAGE.
- 22. 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.).

- 23. CENTRELINES OF ALL EASEMENT DRAINS ARE OFFSET 1.0m OR 2.2m (WHERE OUTSIDE OF SEWER) FROM THE PROPERTY LINE UNLESS SHOWN OTHERWISE.
- 24. 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.

- 25. 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.
- 27. 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

- 28. 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.
- 29. ALL TEMPORARY WARNING SIGNS USED DURING CONSTRUCTION SHALL BE SUPPLIED AND MAINTAINED IN ACCORDANCE WITH AS 1742-3.
- 30. TACTILE GROUND SURFACE INDICATORS ARE TO BE INSTALLED IN ACCORDANCE WITH THE DISABILITY DISCRIMINATION ACT AND RELEVANT COUNCIL STANDARD DRAWINGS.

- 31. CONTRACTOR TO PROVIDE AN ENVIRONMENTAL MANAGEMENT PLAN INCLUDING SILT AND
- 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.
- 33. TREES NOT SPECIFIED FOR REMOVAL ARE TO BE PROTECTED WITH APPROPRIATE EXCLUSION FENCING PRIOR TO COMMENCEMENT OF ANY WORKS.



LOCALITY PLAN

SHEET NO REVISION

DESCRIPTION

DRAWING SCHEDULE

DRAWING

DRAWING	DESCRIPTION	SHEET NO.	KE A I ZION
CR100	FACE SHEET	1	А
CR200	FACE PLAN	2	А
CR201	SERVICES PLAN	3	А
CR300	ROAD LONG SECTIONS - SHEET 1	4	А
CR301	ROAD LONG SECTIONS - SHEET 2	5	А
CR400	ROAD CROSS SECTIONS - SHEET 1	6	А
CR401	ROAD CROSS SECTIONS - SHEET 2	7	А
CR402	ROAD CROSS SECTIONS - SHEET 3	8	А
CR403	ROAD CROSS SECTIONS - SHEET 4	9	А
CR500	INTERSECTION DETAILS - SHEET 1	10	А
CR501	INTERSECTION DETAILS - SHEET 2	11	А
CR600	DRAINAGE LONG SECTIONS – SHEET 1	12	А
CR601	DRAINAGE LONG SECTIONS - SHEET 2	13	А
CR700	PAVEMENT AND TYPICAL DETAILS - SHEET 1	14	А
CR701	PAVEMENT AND TYPICAL DETAILS - SHEET 2	15	А
CR702	PAVEMENT AND TYPICAL DETAILS – CONCRETE DETAIL PLAN	16	А
CR703	PAVEMENT AND TYPICAL DETAILS - SHEET 4	17	А
CR704	PAVEMENT AND TYPICAL DETAILS - SHEET 5	18	А
CR705	PAVEMENT AND TYPICAL DETAILS - SHEET 6	19	А
CR706	PAVEMENT AND TYPICAL DETAILS - SHEET 7	20	А
CR800	SIGNAGE AND LINEMARKING	21	А

LEGEND

EGEND		
ESCRIPTION	EXISTING	PROPOSED
ATER MAIN, VALVE AND HYDRANT	DW	DW
ATER RECYCLED	— — NDW— — —	NDW
IDERGROUND ELECTRICITY	— — E — — —	———Е——
/ERHEAD ELECTRICITY & POLE	— — OE — -⊗- —	OE
LECOMMUNICATIONS & SERVICE PIT	———T————	T
PTIC FIBRE	— — OF — — —	OF
/ERHEAD TELECOMMUNICATIONS	OT	
AS MAIN	— — G — — —	G
RANCH SEWER & MAINTENANCE STRUCTURE	 - S - - ■ -	
WER & MAINTENANCE STRUCTURE	— — S — — O —	S
WER RISING MAIN	— — — SRM — — —	
NTRAL INVERT	— ->> -	>>
DUNCIL STORMWATER DRAIN AND PIT		
TORM WATER DRAINAGE PROPERTY INLETS		<u> </u>
DUNCIL STORM WATER PITS		
DUSE DRAIN	•H	•H——
DRAIN AND FLUSHER	———> AG ——◎—	———> AG ————
WC STORM WATER DRAIN & PIT		
WC STORM WATER PITS		
TORM WATER DRAINAGE PIT NUMBER	(Ex.47)	
AS & WATER CONDUITS		
INCRETE VEHICLE CROSSING		
DGE / CHANGE OF GRADE LINE	_ · _ · _ · _ · _ · _	<u> </u>
JRFACE CONTOUR MINOR	— - 169.00 - — —	169.00
JRFACE CONTOUR MAJOR	— - 168.90 - — —	168.90 —
JRFACE LEVEL	E123.45	F124.68
ATTER LEVEL (TOP / TOE)	T124.80	T124.80
TAINING WALL LEVEL (TOP/BOTTOM) ARTHWORKS GRADE	TW112.76	TW128.50 BW126.74 _1 in 150_
GN AND POST		<u> </u>
5HT & POLE (BY OTHERS)	\circ	\circ
REET SIGN	o >	•
RMANENT SURVEY MARK	*	*
MPORARY BENCH MARK		
DLLARD	+	+
DAD CHAINAGES	CH1 <u>16</u> .57 (L/ <u>R</u>)TP CH116.57	CH1 <u>16</u> .57 (L/ <u>R</u>)TP CH116.57
T CHAINAGES	CH20.06	CH20.06
TOUT POINT		A2
MIT OF WORKS		
ATTER		
CAVATION GREATER THAN 0.20m		
LING GREATER THAN 0.20m		



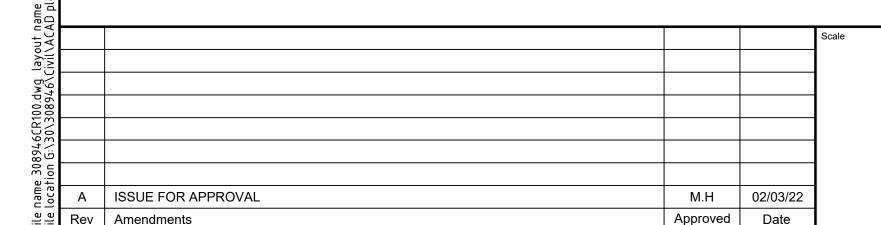
FOOTPATH

PASSIVE IRRIGATION

TACTILE GROUND SURFACE INDICATOR

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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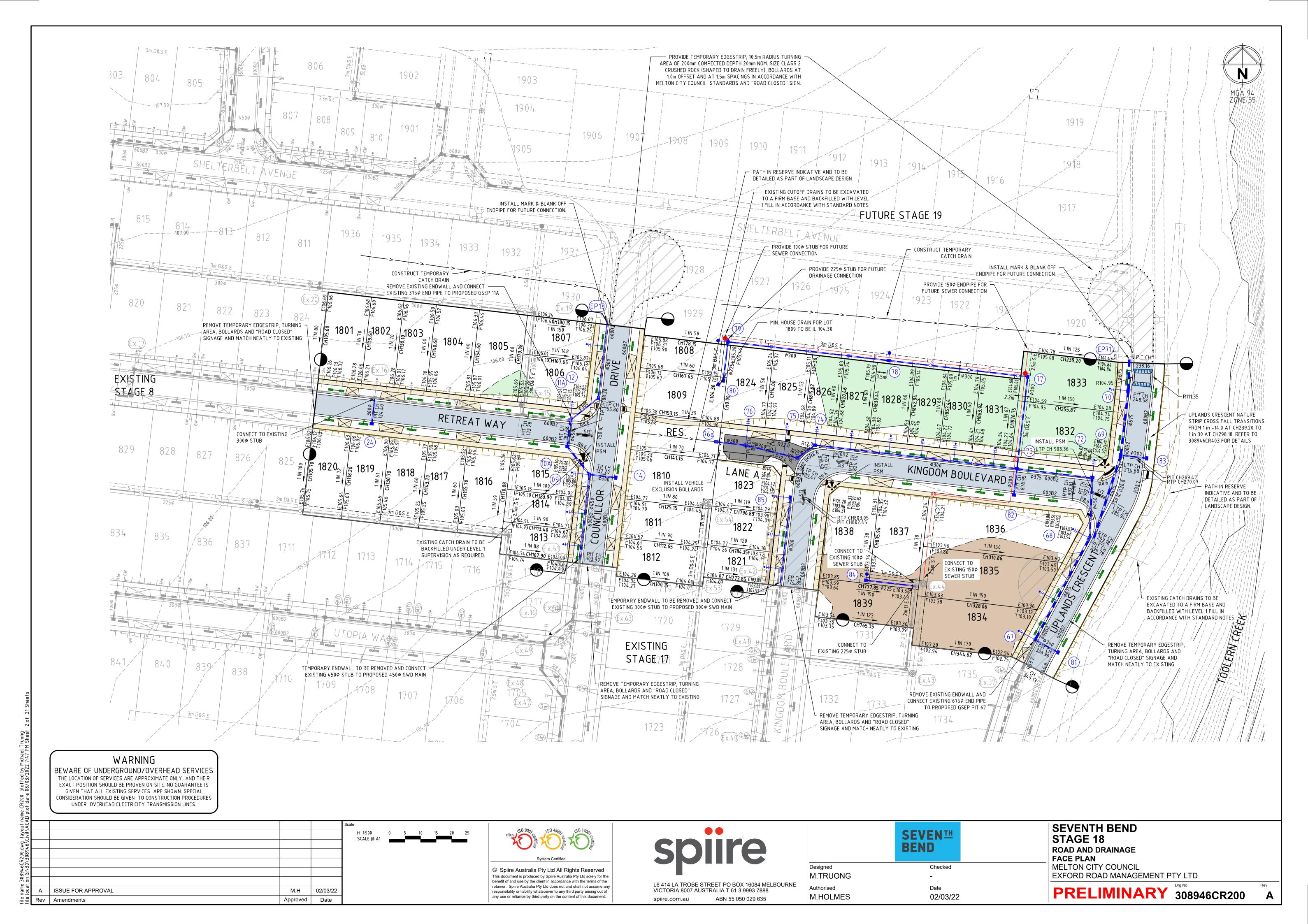
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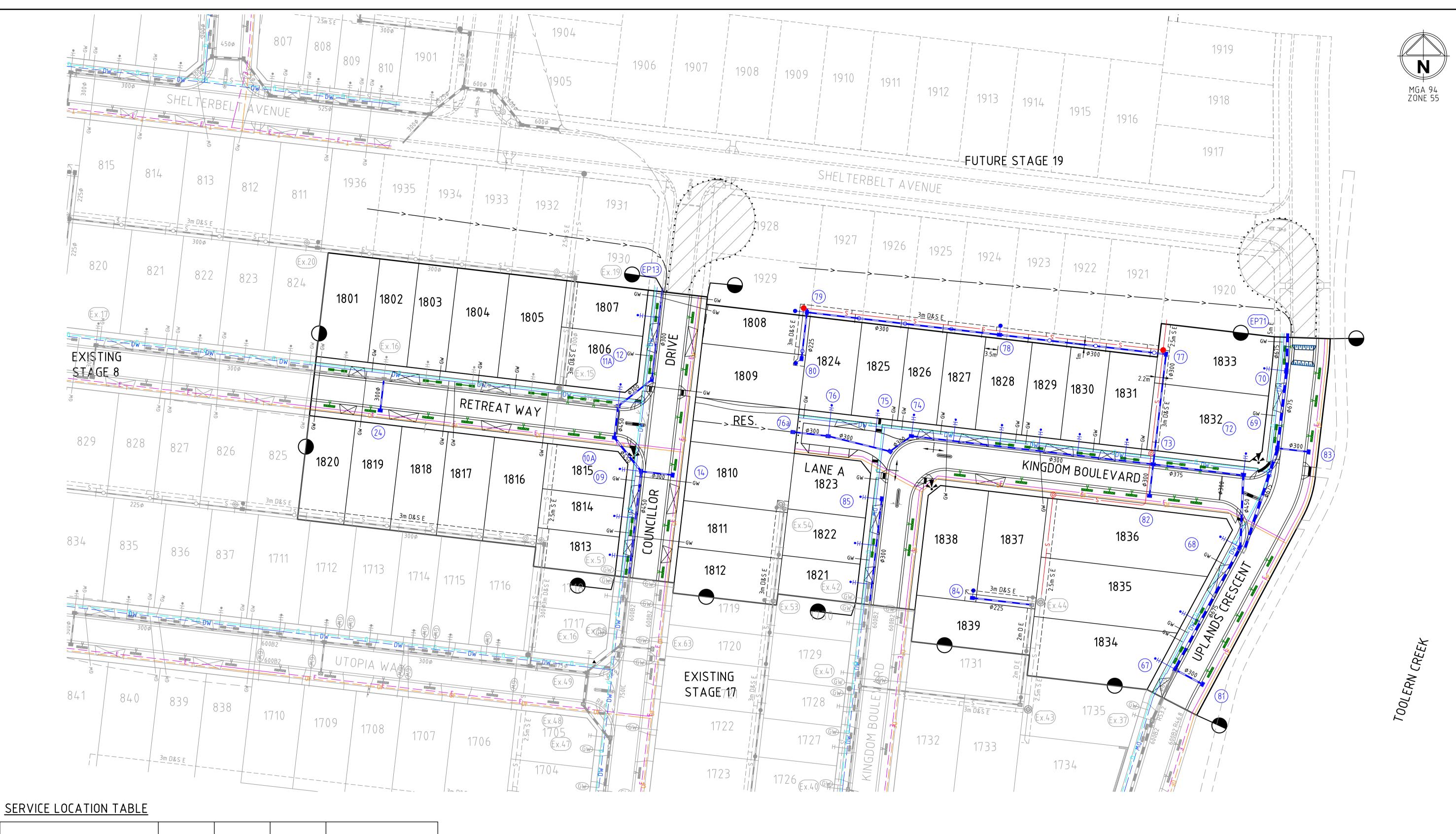
SEVENTH BEND STAGE 18 **ROAD AND DRAINAGE FACE SHEET** MELTON CITY COUNCIL EXFORD ROAD MANAGEMENT PTY LTD











ROAD NAME		POTABLE WATER		GAS		NBN (TELECOM)		ELECTRICITY			
	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	POLE		U/G CABLE		
	SIDE	OIT SET	ים בי	OI I SET	ים כל	OI I SE I	SIDE	OFFSET	SIDE	OFFSET	
RETREAT WAY	N	2.40	N	1.90	S	1.85	S	1.00x	S	2.45	
COUNCILLOR DRIVE	W	2.30	W	1.80	Е	1.85	S	1.00x	Е	2.45	
KINGDOM BOULEVARD	W	2.30	W	1.80	E	1.85	Е	1.00x	E	2.45	
KINGDOM BOULEVARD	N	2.30	N	1.80	S	1.85	S	1.00x	S	2.45	
UPLAND CRESCENT	W	2.60	W	2.10	E	0.65	S	1.00x	Е	1.40	
LANE A	N	2.30	N	1.80	S	0.50	-	-	S	1.25	

TELECOMMUNICATIONS AND ELECTRICITY CABLES TO BE CONSTRUCTED IN A COMMON TRENCH IN ACCORDANCE WITH ELECTRICITY AUTHORITY STANDARD DRG'S.

GAS AND WATER MAINS TO BE CONSTRUCTED IN A COMMON TRENCH. × = OFFSET FROM BACK OF KERB

AC/					Scale							
name 308946LKZ00.0wg layour location G:\30\308946\Civil\AC						H 1:500 SCALE @ A1	0	5	10	15	20	25
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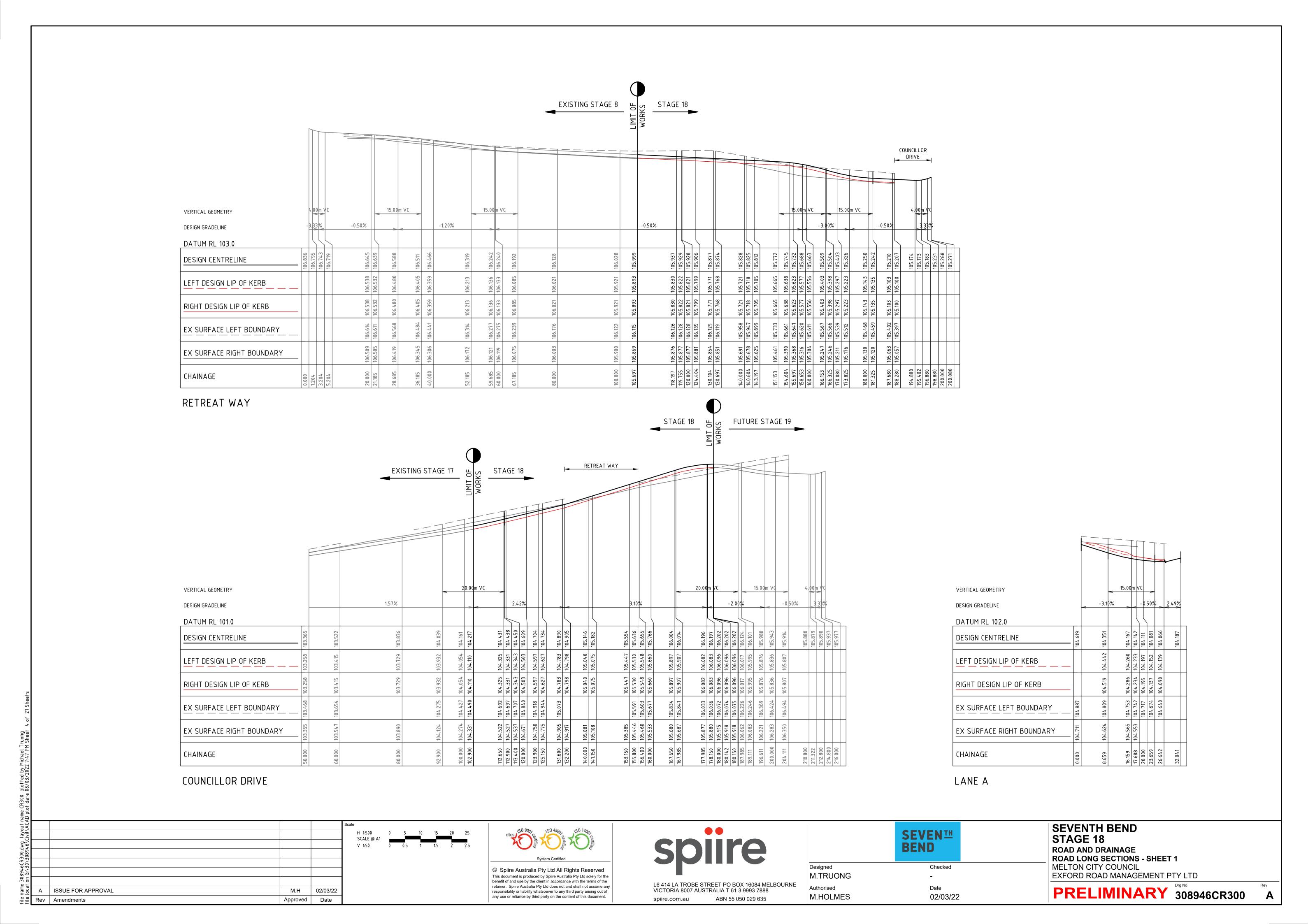
SEVENTH BEND STAGE 18 ROAD AND DRAINAGE SERVICES PLAN MELTON CITY COUNCIL EXFORD ROAD MANAGEMENT PTY LTD

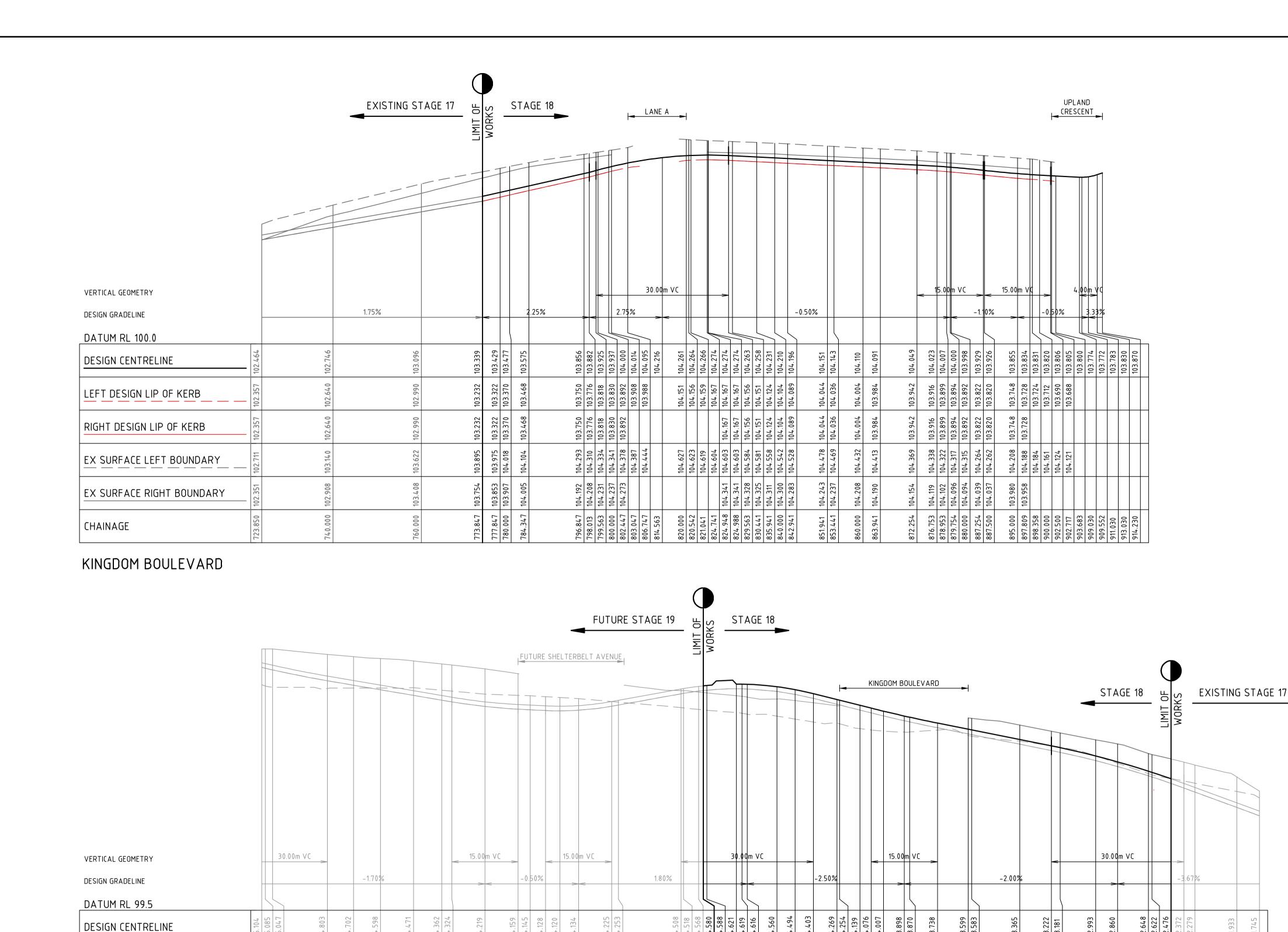
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CONSIDERATION SHOULD BE GIVEN TO CONSTRUCTION PROCEDURES

UNDER OVERHEAD ELECTRICITY TRANSMISSION LINES.





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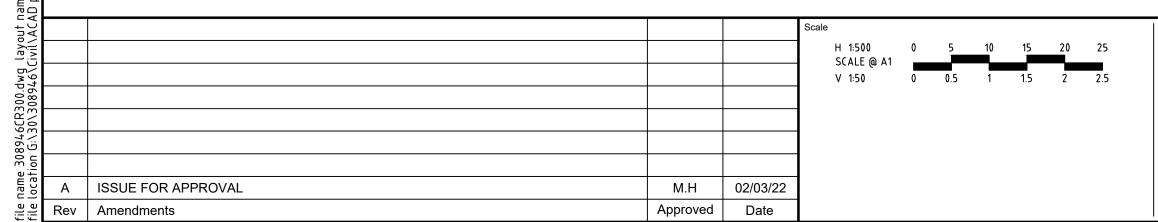
CHAINAGE

LEFT DESIGN LIP OF KERB

RIGHT DESIGN LIP OF KERB

EX SURFACE LEFT BOUNDARY

EX SURFACE RIGHT BOUNDARY





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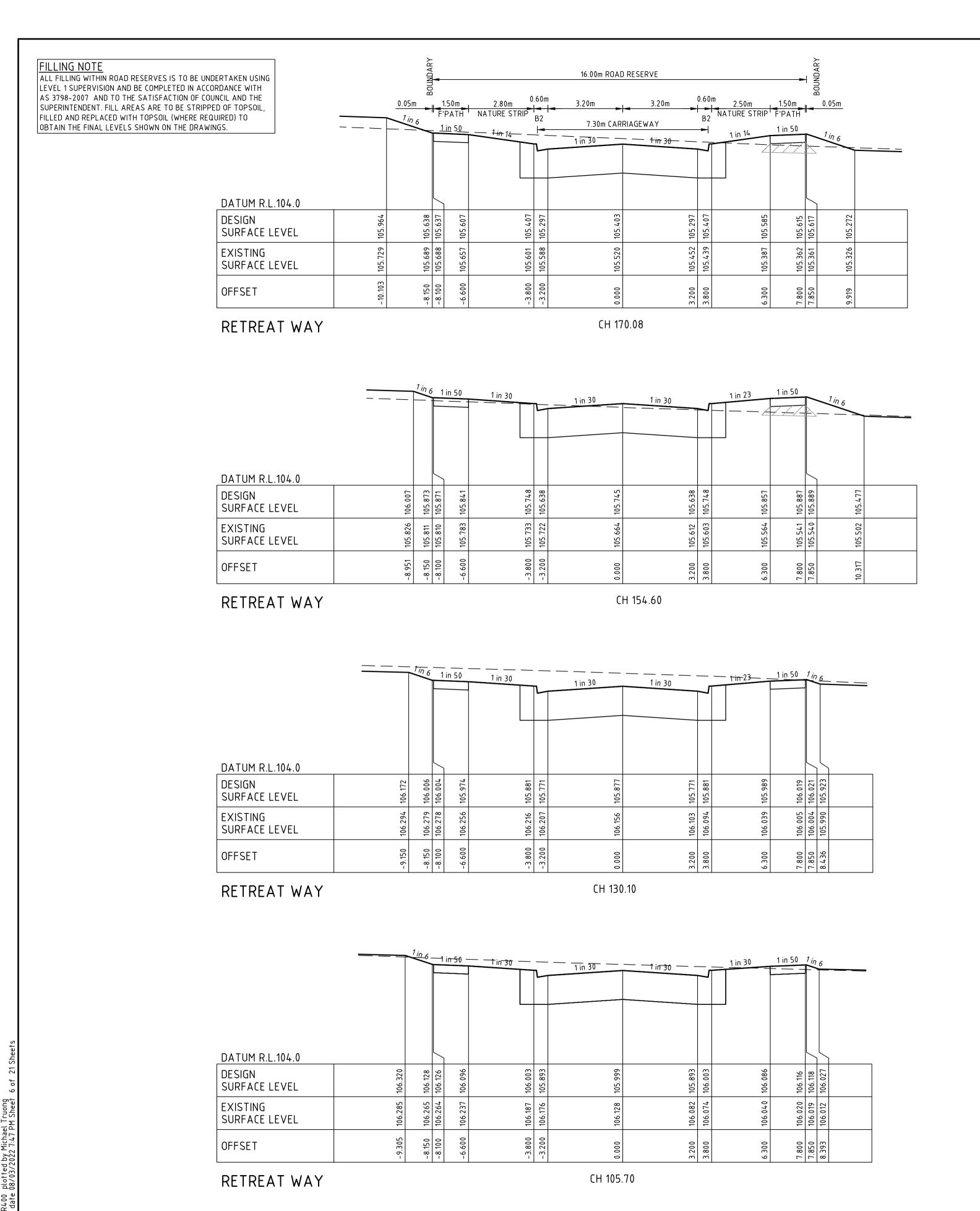
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SEVENTH BEND
STAGE 18
ROAD AND DRAINAGE
ROAD LONG SECTIONS - SHEET 2
MELTON CITY COUNCIL
EXFORD ROAD MANAGEMENT PTY LTD

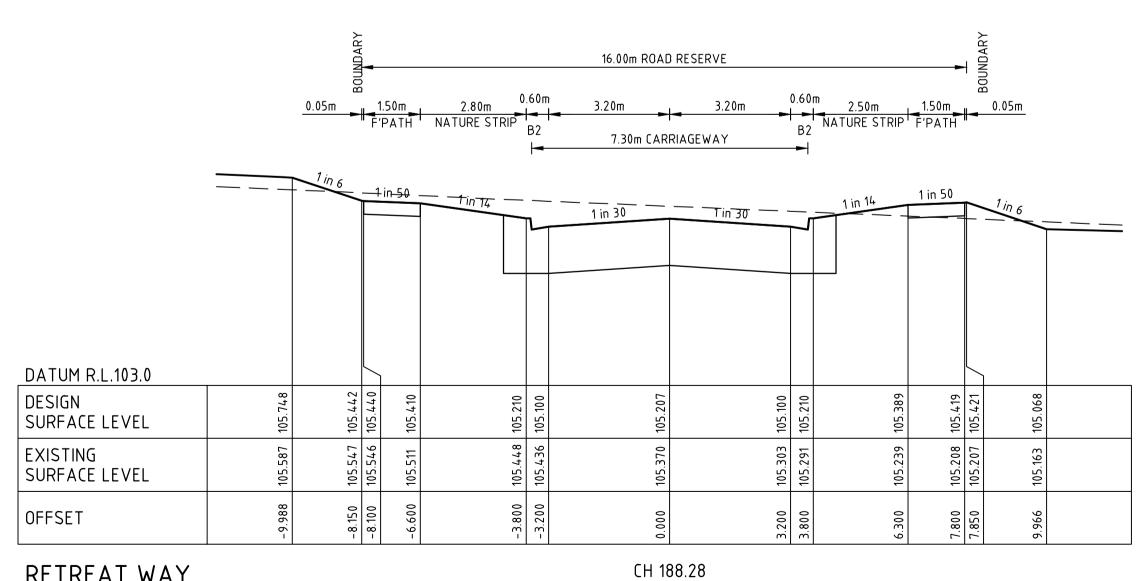


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02/03/22

Date

Approved



RETREAT WAY

Authorised

M.HOLMES

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Date

02/03/22

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SEVENTH BEND STAGE 18 ROAD AND DRAINAGE **ROAD CROSS SECTIONS - SHEET 1** MELTON CITY COUNCIL EXFORD ROAD MANAGEMENT PTY LTD

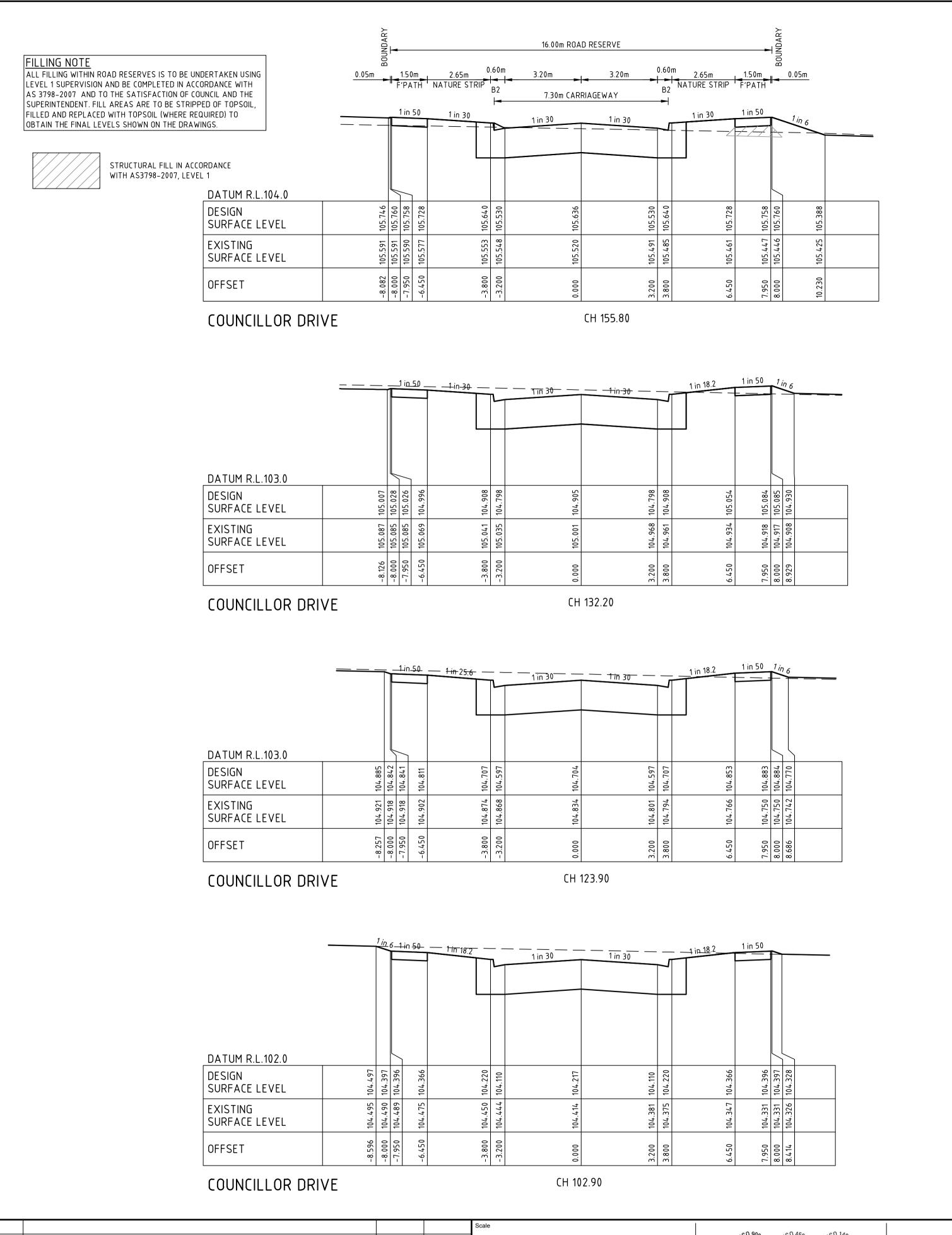
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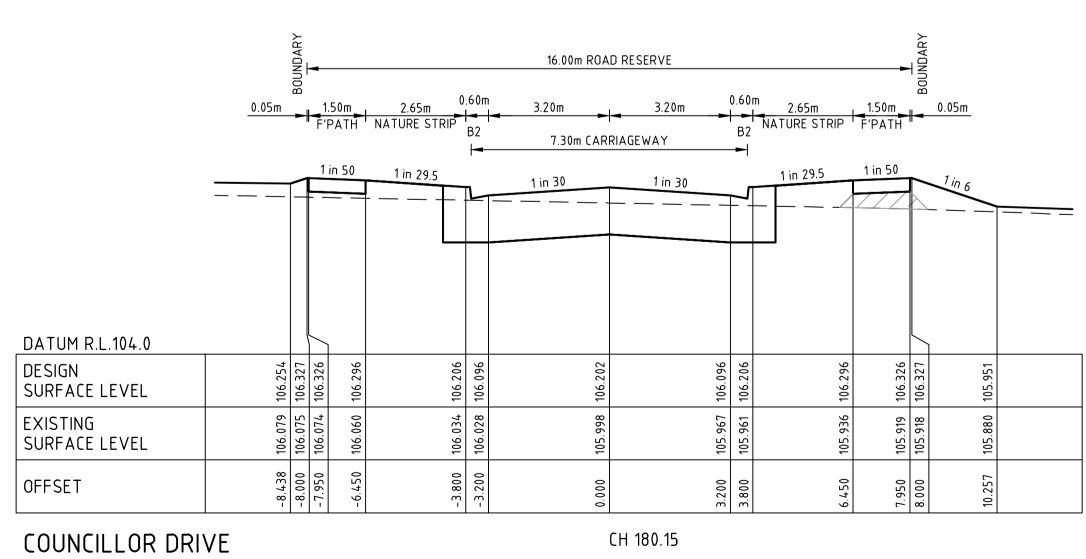
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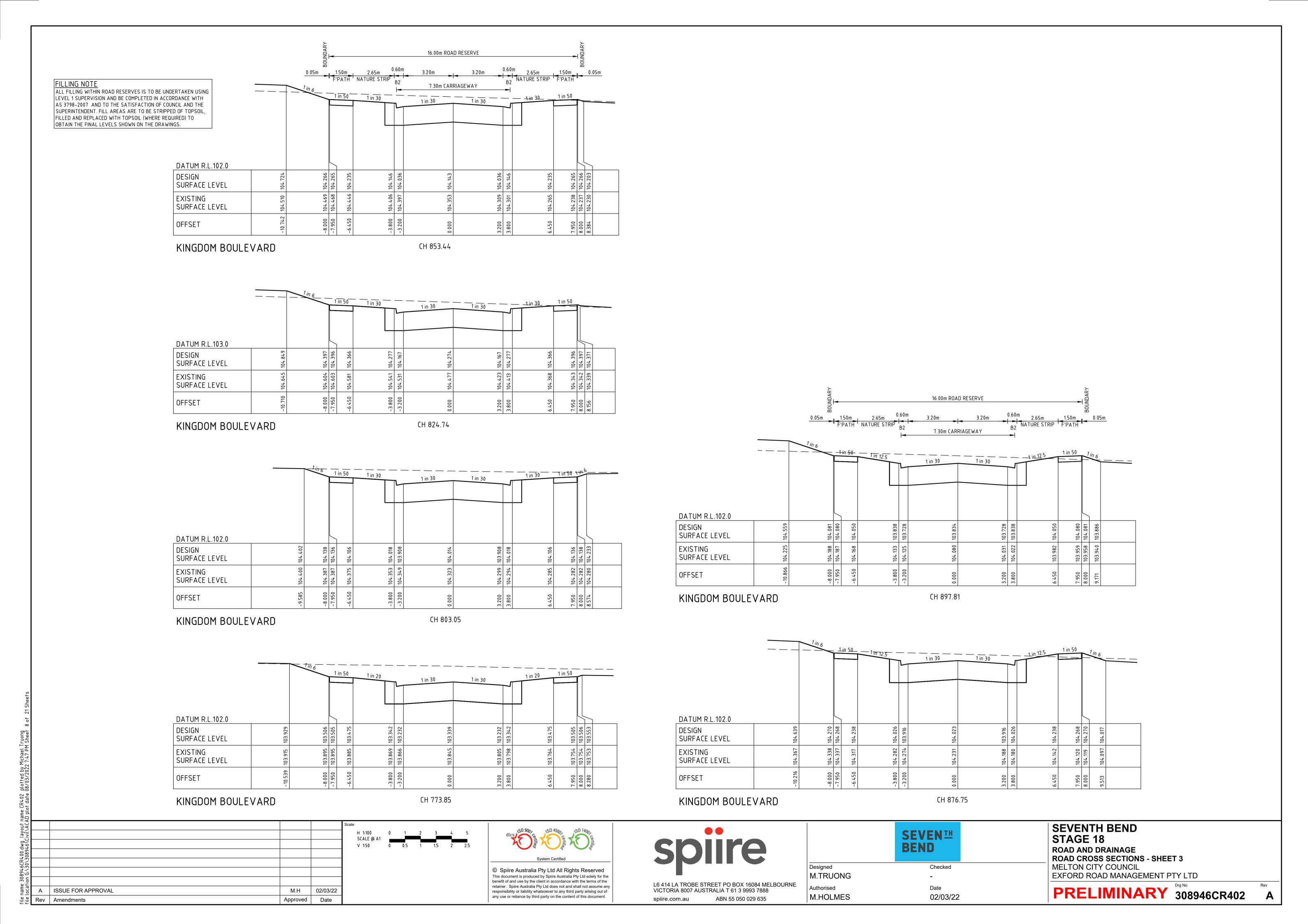
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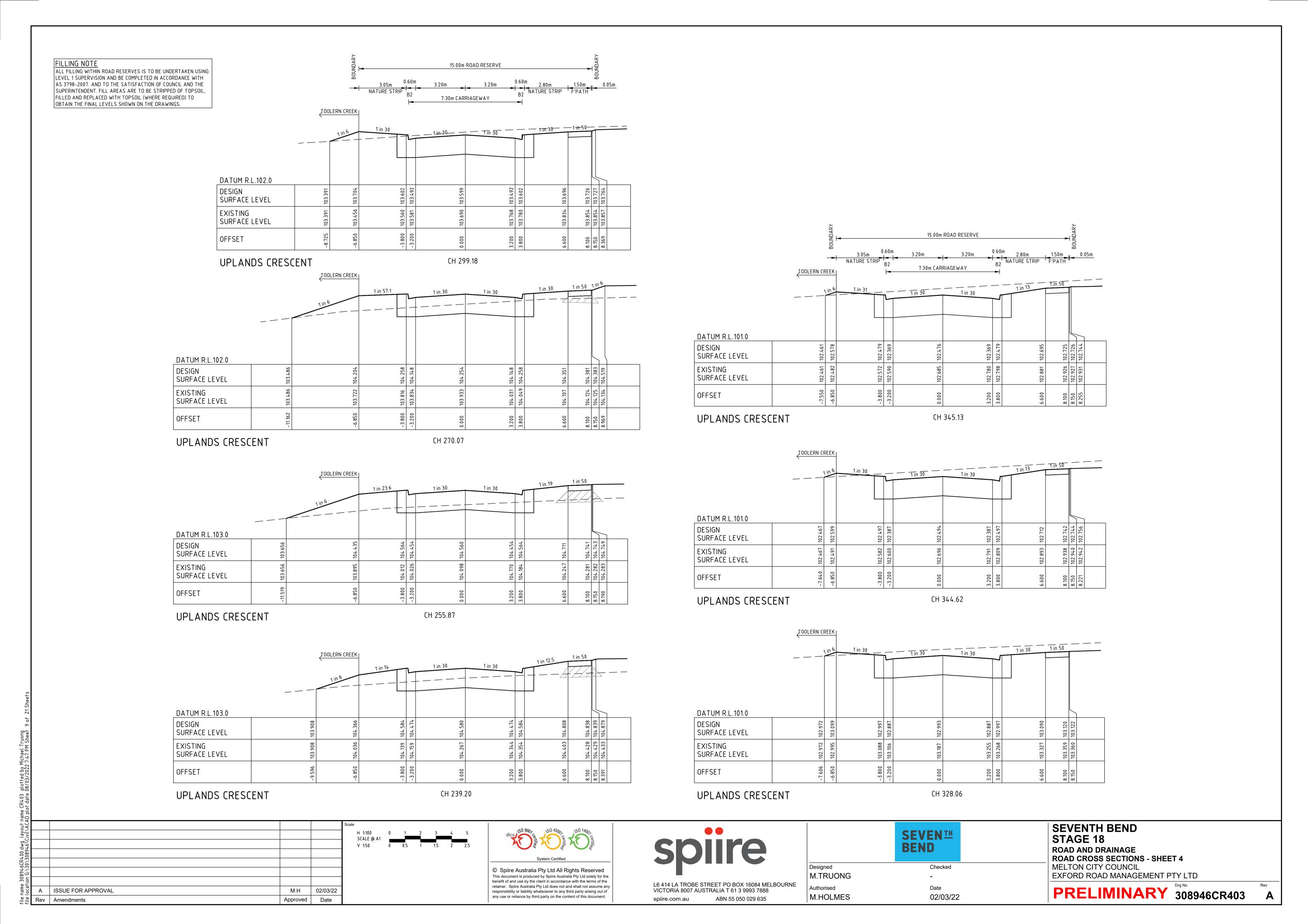
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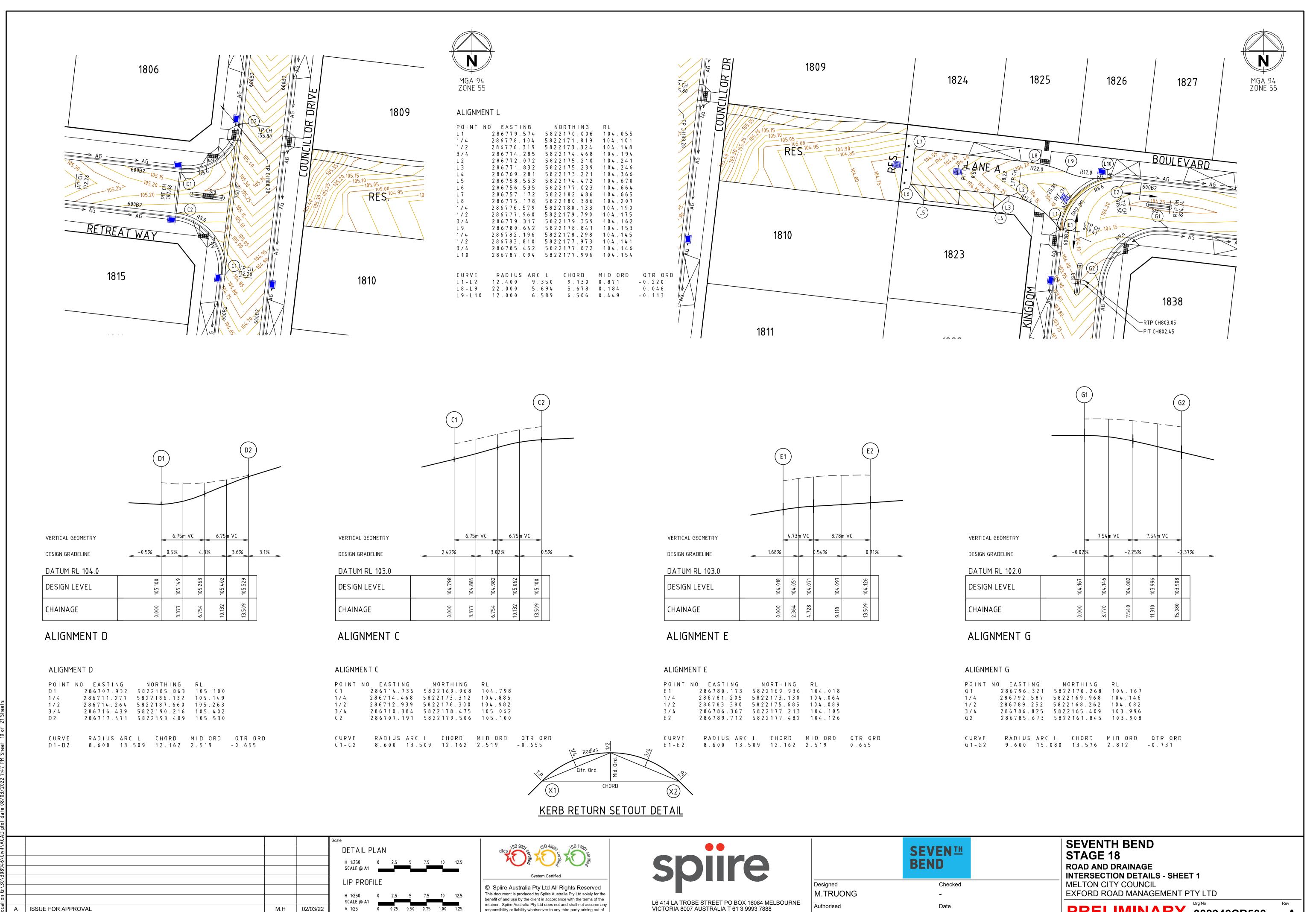
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SEVENTH BEND STAGE 18 ROAD AND DRAINAGE **ROAD CROSS SECTIONS - SHEET 2** MELTON CITY COUNCIL EXFORD ROAD MANAGEMENT PTY LTD







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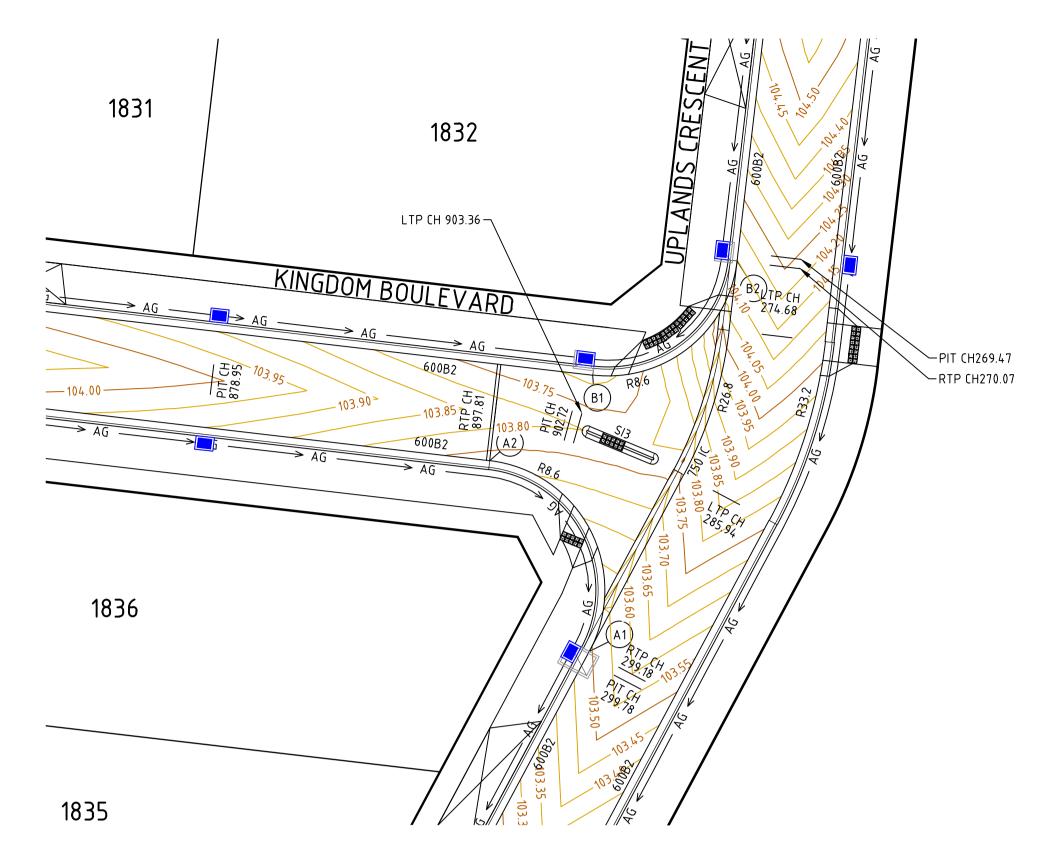
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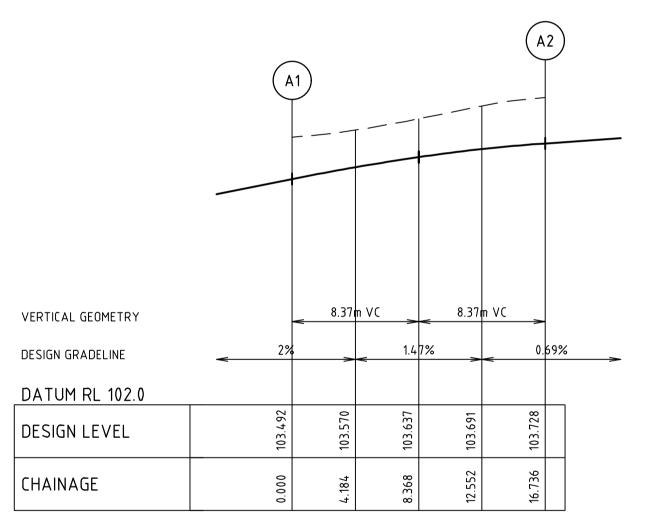
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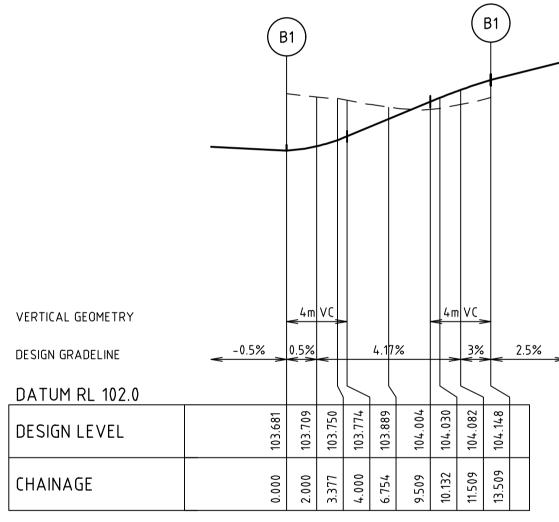
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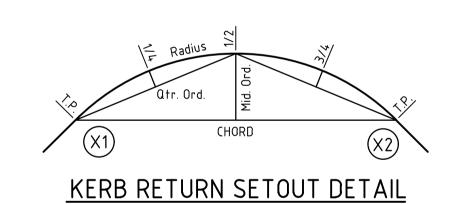
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ALIGNMENT A

ALIGNMENT A

POINT	NO EASTING	NORTHING	RL
A 1	286875.483	5822149.203	103.492
1 / 4	286876.500	5822153.219	103.570
1 / 2	286875.522	5822157.245	103.637
3 / 4	286872.775	5822160.346	103.691
A 2	286868.897	5822161.803	103.728

CURVE RADIUS ARC L CHORD MID ORD QTR ORD A 1 - A 2 8 . 6 0 0 1 6 . 7 3 6 1 4 . 2 1 8 3 . 7 6 0 - 0 . 9 9 8

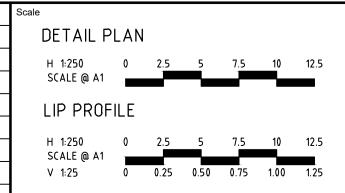
ALIGNMENT B

POINT	NO EASTING	NORTHING	RL
B 1	286875.719	5822167.451	103.68
1 / 4	286879.064	5822167.720	103.737
1 / 2	286882.051	5822169.248	103.872
3 / 4	286884.226	5822171.803	104.028

CURVE RADIUS ARC L CHORD MID ORD QTR ORD B1-B2 8.600 13.509 12.162 2.519 -0.655

B 1	286875.719	5822167.451	103.681
1 / 4	286879.064	5822167.720	103.737
1 / 2	286882.051	5822169.248	103.872
3 / 4	286884.226	5822171.803	104.028
B 2	286885.257	5822174.996	104.148

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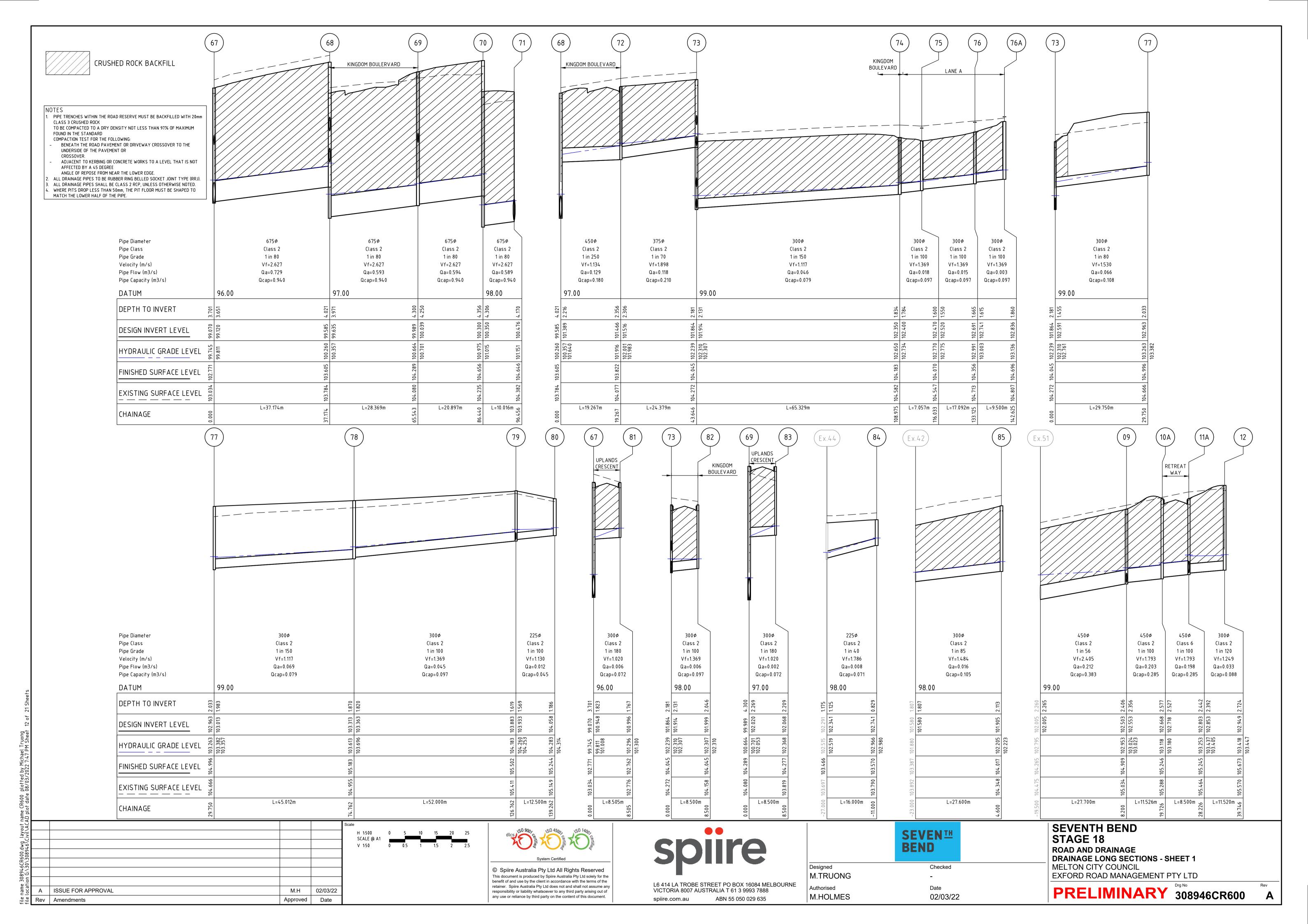
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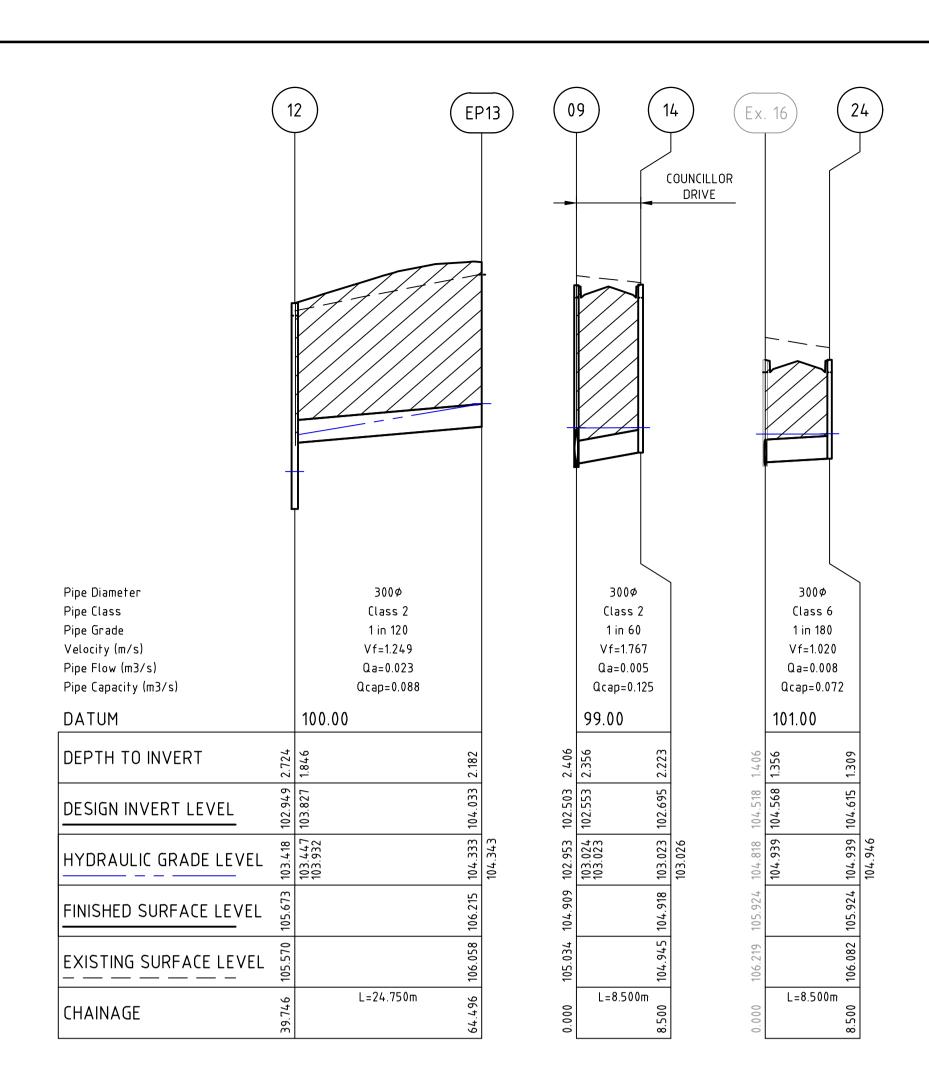
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	SEVENTH BEND	
Designed	Checked	
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M.HOLMES	02/03/22	

SEVENTH BEND STAGE 18 ROAD AND DRAINAGE INTERSECTION DETAILS - SHEET 2 MELTON CITY COUNCIL EXFORD ROAD MANAGEMENT PTY LTD





DRAINAGE PIT SCHEDULE

DNA	INAGE PIT SCHED										
	PIT	INTE	RNAL		NLET	(DUTLET	PI	Г 	REMARKS	
NAME	TYPE	WIDTH	LENGTH	DIA	INV LEVEL	DIA	INV LEVEL	FS LEVEL	DEPTH		
09	GRATED SIDE ENTRY PIT	600	900	450	102.553	450	102.503	104.909	2.406	REFER TO EDCM 601	
				300	102.553						
10 a	GRATED SIDE ENTRY PIT	600	900	450	102.718	450	102.668	105.246	2.577	REFER TO EDCM 601	
11a	GRATED SIDE ENTRY PIT	600	900	300	102.853	450	102.803	105.245	2.442	REFER TO EDCM 601	
				375	102.863						
12	GRATED SIDE ENTRY PIT	600	900	300	103.827	300	102.949	105.673	2.724	REFER TO EDCM 601	
13	GRATED SIDE ENTRY PIT	600	900			300	104.033	106.215	2.182	REFER TO EDCM 601	
				300	104.083						
14	GRATED SIDE ENTRY PIT	600	900			300	102.695	104.918	2.223	REFER TO EDCM 601	
24	GRATED SIDE ENTRY PIT	600	900			300	104.615	105.924	1.309		
67	GRATED SIDE ENTRY PIT	900	900	300	100.948	675	99.070	102.771	3.701	REMOVE EXISTING ENDWALL AND CONNECT EXISTING ENDPIPE TO PIT 67 AT IL 99.07 AND HAUNCHED TO 600x900mm. REFER TO EDCM 601	
- 10				675	99.182	4					
68	GRATED SIDE ENTRY PIT	1950	1350	675	99.635	675	99.585	103.605	4.021	HAUNCHED TO 600×900mm. REFER TO EDCM 601.	
	50 1 T50 6/05 5/170 / 0/T		222	450	101.389	485	20.000	404.000	4.700		
69	GRATED SIDE ENTRY PIT	900	900	675	100.039	675	99.989	104.289	4.300	HAUNCHED TO 600×900mm. REFER TO EDCM 601.	
	CDATED CIDE ENTRY DIT	000	000	300	102.020	485	400 700	40.4.65.6	. 254	HALINGUED TO COA COA COA COAC	
70	GRATED SIDE ENTRY PIT	900	900	675	100.350	675	100.300	104.656	4.356	HAUNCHED TO 600x900mm. REFER TO EDCM 601.	
71	ENDPIPE CONTROL OF	(00	200	675	100.526	675	100.476	104.646	4.170		
72	GRATED SIDE ENTRY PIT	600	900	375	101.516	450	101.466	103.822	2.356	REFER TO EDCM 601	
73	GRATED SIDE ENTRY PIT	600	900	300	101.914	375	101.864	104.045	2.181	REFER TO EDCM 601	
				300	102.591						
7.	UNICTION DIT		200	300	101.914	200	400 350	407.403	107/	D555D TO 5D514 (A4	
74	JUNCTION PIT	600	900	300	102.400	300	102.350	104.183	1.834	REFER TO EDCM 601	
75	GRATED ENTRY PIT	600	900	300	102.520	300	102.470	104.070	1.600		
76	GRATED ENTRY PIT	600	900	300	102.741	300	102.691	104.356	1.665		
76a	GRATED ENTRY PIT	600	900	200	402.042	300	102.836	104.696	1.860	DESERT TO EDGIA (AS	
77	JUNCTION PIT	600	900	300	103.013	300	102.963	104.996	2.033	REFER TO EDCM 605	
78	JUNCTION PIT	600	900	300	103.363	300	103.313	105.183	1.870	REFER TO EDCM 605	
79	JUNCTION PIT	600	900	225	103.933	300	103.883	105.502	1.619	REFER TO EDCM 605	
90	IUNICTION DIT	(00	000	225	103.933	225	407.050	105.277	1 107	DEFED TO EDGM (AF	
80	JUNCTION PIT	600	900			225	104.058	105.244	1.186	REFER TO EDCM 605	
81	GRATED SIDE ENTRY PIT	600	900			300	100.996	102.762	1.767	REFER TO EDCM 601	
82	GRATED SIDE ENTRY PIT	600	900			300	101.999	104.045	2.046	REFER TO EDCM 601	
83	GRATED SIDE ENTRY PIT	600	900			300	102.068	104.277	2.209	REFER TO EDCM 601	
84	JUNCTION PIT	600	900			225 300	102.741	103.570	0.829	REFER TO EDCM 605	
85	GRATED SIDE ENTRY PIT	600		200	407.500		101.905	104.017	2.113	REFER TO EDCM 601	
Ex. 16	Ex. GRATED SIDE ENTRY PIT	600	900	300	104.568	300	104.518	104.924	1.406		
F	E. HINGTION DIT	(00	000	300	104.568	225	400.004	102.466	4 475	FC FVEL PEVICED FDOM 402 / 62 TO 402 / 64	
Ex. 44	Ex. JUNCTION PIT	600	900	225	102.341	225	102.291	103.466	1.175	FS LEVEL REVISED FROM 103.462 TO 103.466 CONNECT EXISTING ENDPIPE TO PROPOSED SWD PIPE AT IL 101.58 @ 1 in 85	
	Ex. ENDPIPE			300	101.580	300	101.580	103.387	1.797	CONNECT EXISTING ENDPIPE TO PROPOSED SWD PIPE AT IL 101.38 (a) T In 65 CONNECT EXISTING ENDPIPE TO PROPOSED SWD PIPE AT IL 102.005 (a) 1 in 55.6, FS LEVEL REVISED	
Ex. 51	Ex. ENDPIPE			450	102.005	450	102.005	104.265	2.260	FROM 104.271 TO 104.265.	

DRAINAGE PIT SCHEDULE

F	PIT	COORD	NATES
NAME	POINT	EASTING	NORTHING
09	C	286713.624	5822169.493
10 a	С	286706.473	5822178.533
11a	C	286707.466	5822186.974
12	C	286716.497	5822194.126
13	C	286719.365	5822218.710
14	C	286722.067	5822168.509
67	C	286856.733	5822116.394
68	С	286874.273	5822149.169
69	С	286884.284	5822175.714
70	С	286886.700	5822196.471
71	С	286886.967	5822206.483
72	С	286875.228	5822168.413
73	C	286851.030	5822171.387
74	С	286797.429	5822177.639
75	С	286771.182	5822177.429
76	С	286763.235	5822178.356
77	С	286854.477	5822200.937
78	С	286809.768	5822206.152
79	C	286758.119	5822212.176
80	С	286756.670	5822199.760
81	С	286864.232	5822112.383
82	С	286850.046	5822162.945
83	С	286892.727	5822174.731
84	С	286802.536	5822135.514
85	С	286778.204	5822162.112
Ex. 44	C	286818.428	5822133.660
Ex. 42	С	286775.006	5822134.698
Ex. 51	C	286710.415	5822141.980

CRUSHED ROCK BACKFILL

PIPE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED WITH 20mm

CLASS 3 CRUSHED ROCK TO BE COMPACTED TO A DRY DENSITY NOT LESS THAN 97% OF MAXIMUM FOUND IN THE STANDARD

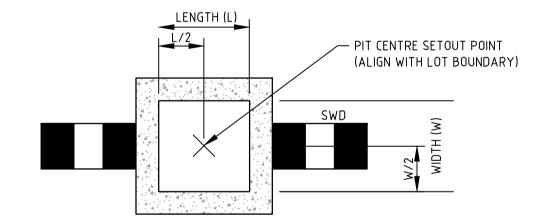
COMPACTION TEST FOR THE FOLLOWING: BENEATH THE ROAD PAVEMENT OR DRIVEWAY CROSSOVER TO THE

UNDERSIDE OF THE PAVEMENT OR

ADJACENT TO KERBING OR CONCRETE WORKS TO A LEVEL THAT IS NOT AFFECTED BY A 45 DEGREE

ANGLE OF REPOSE FROM NEAR THE LOWER EDGE.

ALL DRAINAGE PIPES TO BE RUBBER RING BELLED SOCKET JOINT TYPE (RRJ). 3. ALL DRAINAGE PIPES SHALL BE CLASS 2 RCP, UNLESS OTHERWISE NOTED.
4. WHERE PITS DROP LESS THAN 50mm, THE PIT FLOOR MUST BE SHAPED TO MATCH THE LOWER HALF OF THE PIPE.



TYPICAL DRAINAGE PIT SETOUT POINT 'C'

JUNCTION PIT/ EASEMENT PIT
NOT TO SCALE

name AD pl		·	-			-							
ayout r vil\AC					Scale								
						1:500 ALE @ A1	0	5	10	15	20	25	
1wg 46\C						1:50	0	0.5	1	1.5	2	2.5	
name 308946CR600.dwg location G:\30\308946\													
6CR6 30\3													
894 G:\:]								
e 30 tion					_								
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file file	Rev	Amendments	Approved	Date									



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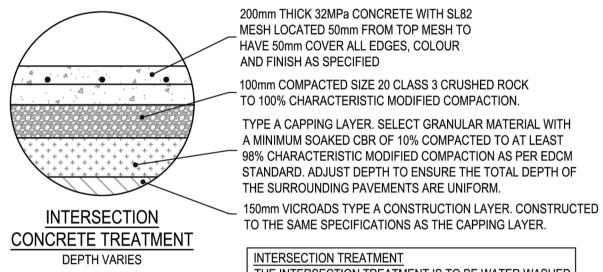
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Authorised	Date	
M.HOLMES	02/03/22	2

SEVENTH BEND STAGE 18 ROAD AND DRAINAGE DRAINAGE LONG SECTIONS - SHEET 2 MELTON CITY COUNCIL EXFORD ROAD MANAGEMENT PTY LTD

<u>DEGIGITI ATTEN</u>		DEPTI	
PAVEMENT LAYER DESCRIPTION		TYPE A*	TYPE B*
WEARING COURSE ASPHALT	TYPLE L SIZE 7mm (CLASS 320 BINDER)		20
	TYPE L SIZE 10mm (CLASS 320 BINDER)	30	
	TYPE N SIZE 10mM (CLASS 320 BINDER)		
BASE COURSE ASPHALT	TYPE N SIZE 10mm (CLASS 320 BINDER)	30	30
SAMI	SIZE 10 SAMI S18R	10	10
PRIME OR PRIMESEAL		Y	Y
BASE	CLASS 2 CRUSHED ROCK (SIZE 20mm) COMPACTED TO A DENSITY OF 100% (MODIFIED) AS1289.5.2.1	130	140
	UPPER PAVEMENT TOTAL	200	200
SUBBASE	CLASS 3 CRUSHED ROCK (SIZE20mm) COMPACTED TO A DENSITY OF 98% (MODIFIED) AS1289.5.2.1	120	100
LOWER SUBBASE	CLASS 4 CRUSHED ROCK (SIZE20mm) COMPACTED TO A DENSITY OF 98% (MODIFIED) AS1289.5.2.1	0	0
CAPPING LAYER	TYPE A FILL OR EQUIVALENT (CBR \geq 8% - PERMEABILITY \leq 5.0x10 ⁻⁹ m/sec AND % SWELL \leq 1.5%, MAX PARTICLE 25mm		150
CONSTRUCTION LAYER	TYPE A FILL OR EQUIVALENT (CBR \geq 8% - PERMEABILITY \leq 5.0x10 ⁻⁹ m/sec AND % SWELL \leq 1.5%, MAX PARTICLE 40mm	150	150
	TOTAL PAVEMENT DEPTH	620	600

* REFER PAVEMENT PLAN FOR LOCATION OF PAVEMENT TYPES

ROAD NAME	TYPE
UPLANDS CRESCENT	A
RETREAT WAY	А
COUNCILLOR DRIVE	А
KINGDOM BOULEVARD	В



200mm THICK 32MPa CONCRETE WITH SL82 MESH LOCATED 50mm FROM TOP MESH TO HAVE 50mm COVER ALL EDGES, COLOUR

100mm COMPACTED SIZE 20 CLASS 3 CRUSHED ROCK TO 100% CHARACTERISTIC MODIFIED COMPACTION.

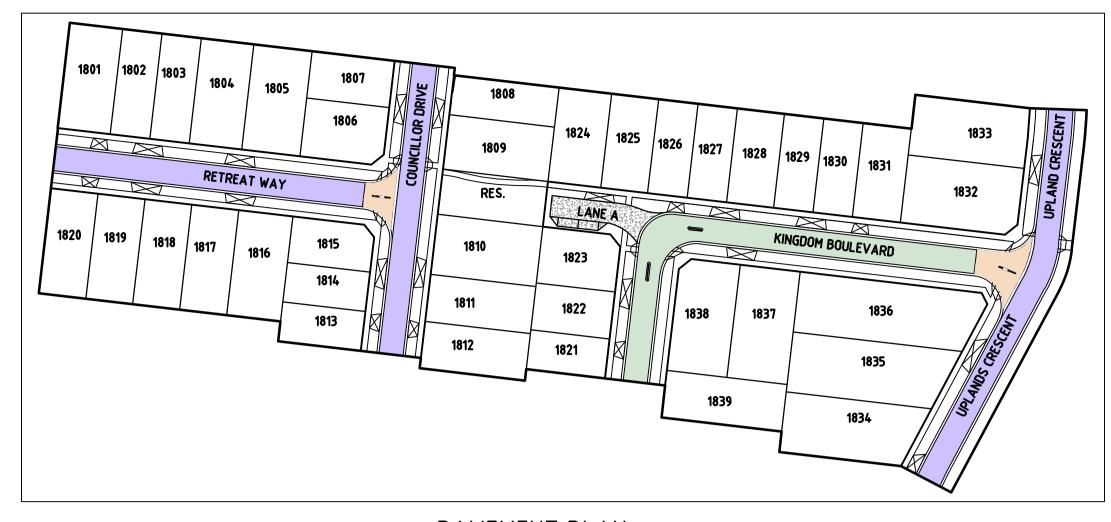
TYPE A CAPPING LAYER. SELECT GRANULAR MATERIAL WITH A MINIMUM SOAKED CBR OF 10% COMPACTED TO AT LEAST 98% CHARACTERISTIC MODIFIED COMPACTION AS PER EDCM STANDARD. ADJUST DEPTH TO ENSURE THE TOTAL DEPTH OF THE SURROUNDING PAVEMENTS ARE UNIFORM.

THE INTERSECTION TREATMENT IS TO BE WATER WASHED EXPOSED AGGREGATE CONCRETE, USING THE BACCHUS

MARSH AGGREGATE FROM HANSON WITH GREY CEMENT.

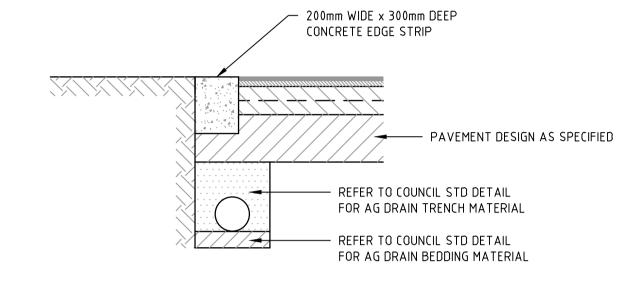
GENERAL NOTES:

- 1. ALL WORKS TO BE COMPLETED IN ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARDS AND CCAA LITERATURE; OR VIC ROADS STANDARDS FOR NON RESIDENTIAL STREETS.
- 2. ALL CONCRETE TO BE MINIMUM 32MPa COMPRESSIVE STRENGTH
- 3. CONCRETE TO BE THOROUGHLY COMPACTED 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
- 7. ALL DOWELS TO BE GRADE 250R STEEL BARS, 450mm LONG AND PLACED AT 300mm CENTRES. REFER CCAA- "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.



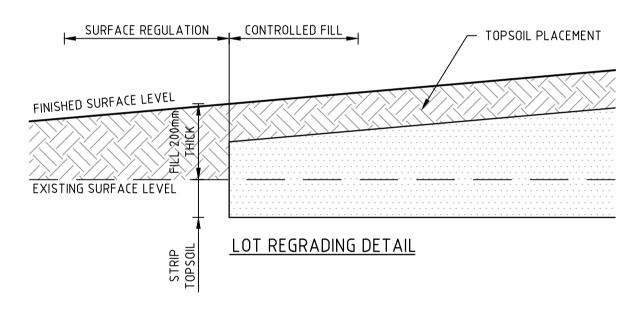
PAVEMENT PLAN

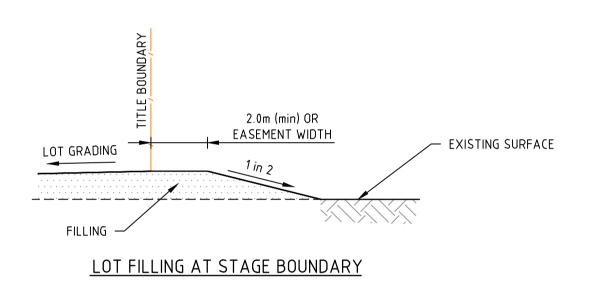


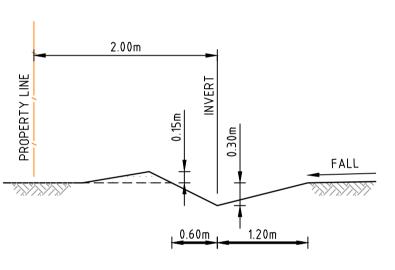


LIMIT OF WORKS CONCRETE EDGE STRIP & PAVEMENT INTERFACE DETAIL

NOT TO SCALE







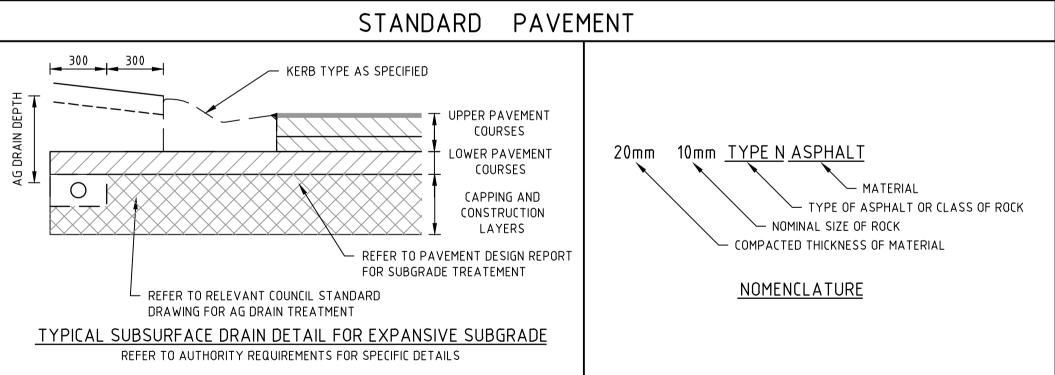
TYPICAL CATCH DRAIN SECTION

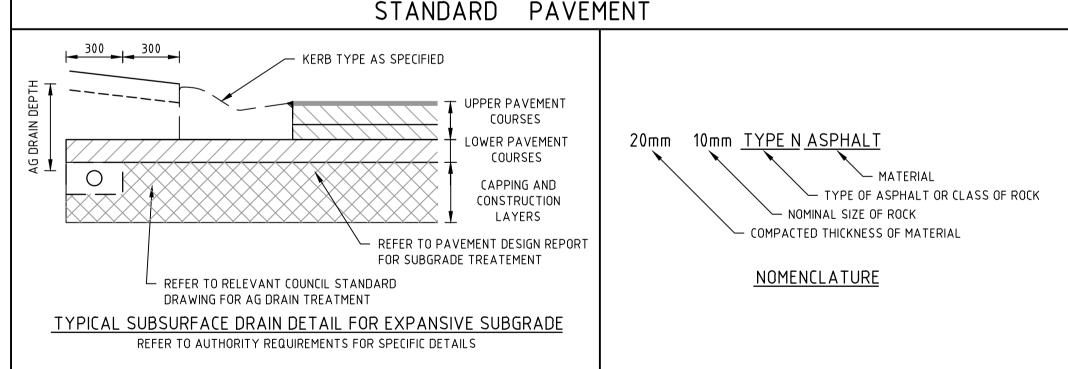
CHAMFER

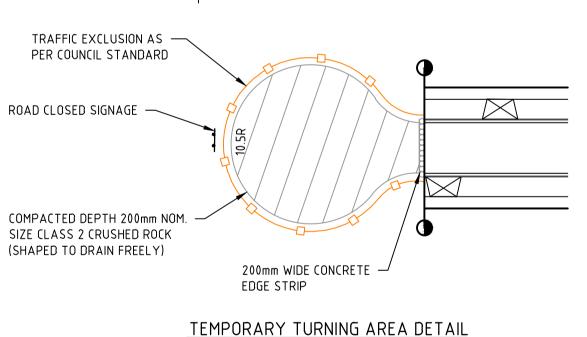
MGA 94

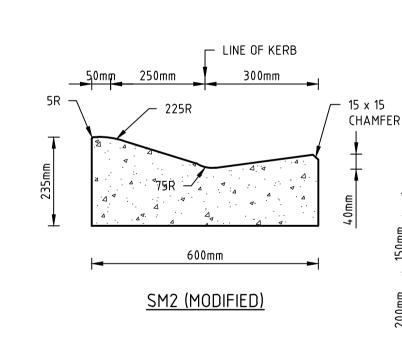
ZONE 55

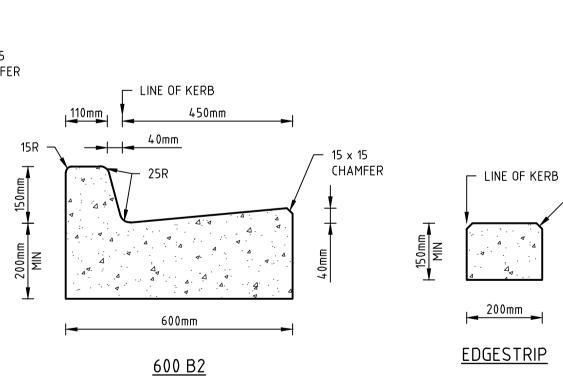
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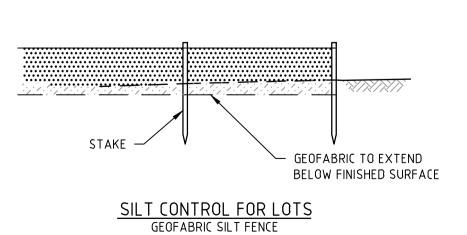


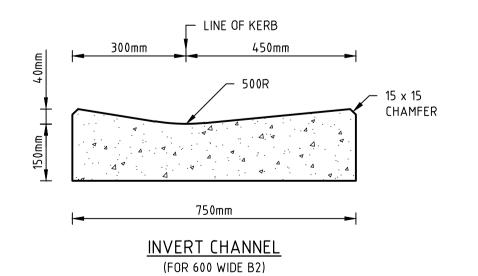


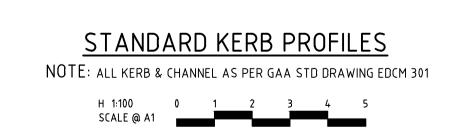




NOT TO SCALE







PAVEMENT DETAILS

THE PAVEMENT DESIGNS SHOWN HERE HAVE BEEN DESIGNED/PROVIDED BY GROUND SCIENCE PTY LTD WHO ARE RESPONSIBLE FOR THE GEOTECHNICAL WORK ON THIS PROJECT. SPIIRE IS NOT RESPONSIBLE FOR THE WORK OF NAME OF GEOTECHNICAL ENGINEERS.

THE DESIGN HAS BEEN EXTRACTED FROM THE PRELIMINARY GEOTECHNICAL INVESTIGATION PROPOSED SUBDIVISION AT SEVENTH BEND ESTATE (PRECINCTS 2 & 3) SOUTH MELTON REPORT REF:G3696.1AB DATED 10 September 2020 ON "GEOTECHNICAL INVESTIGATION FOR SEVENTH BEND ESTATE" 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 ANY QUERIES IN RESPECT TO THE GEOTECHNICAL WORK AND PAVEMENT DESIGNS SHOULD BE ADDRESSED TO NAME OF GROUND SCIENCE PTY LTD AND COPIED TO SPIIRE.

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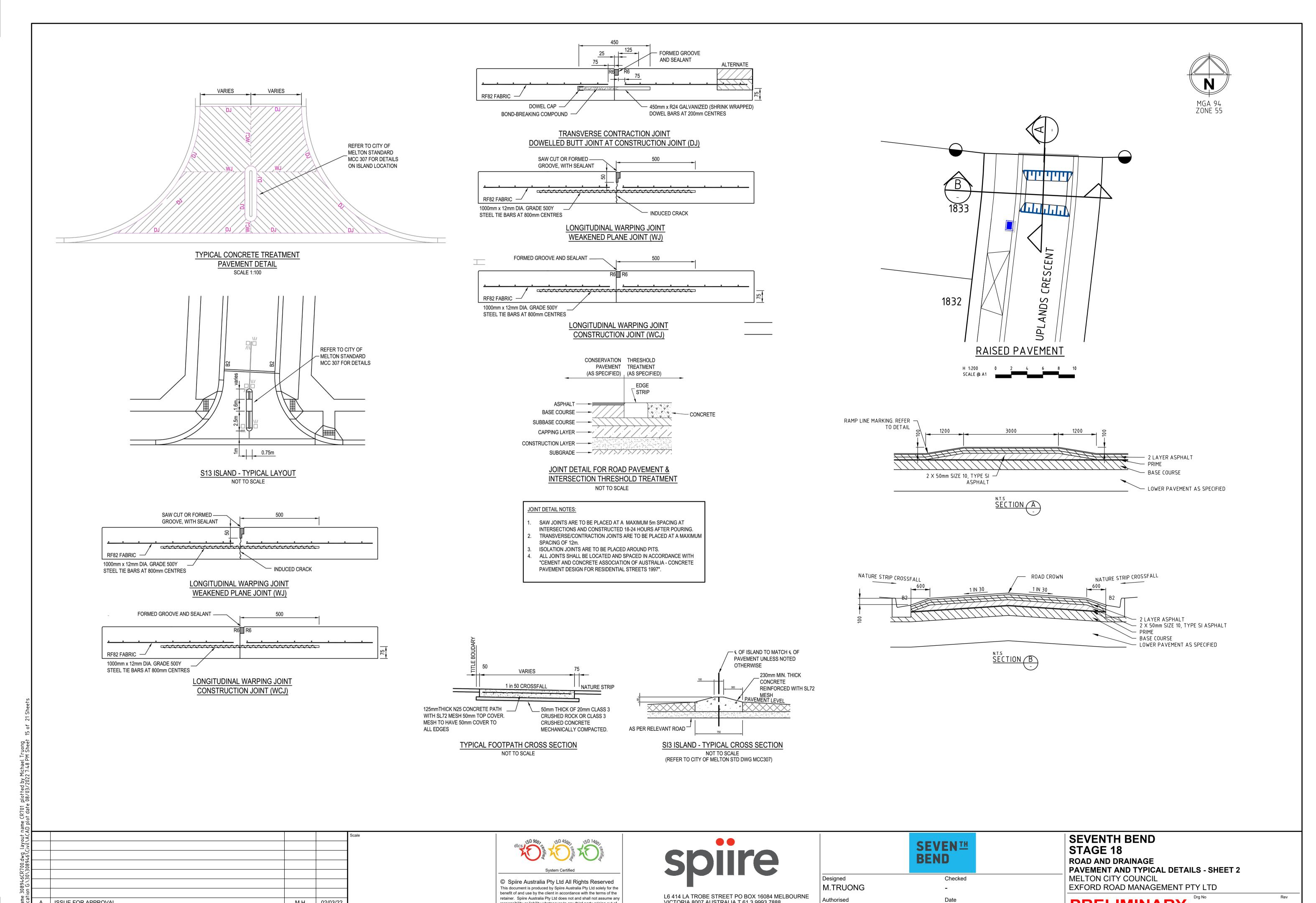
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_		M.TRUONG
	REET PO BOX 16084 MELBOURNE TRALIA T 61 3 9993 7888	Authorised
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Date

02/03/22

SEVENTH BEND STAGE 18 **ROAD AND DRAINAGE PAVEMENT AND TYPICAL DETAILS - SHEET 1** MELTON CITY COUNCIL EXFORD ROAD MANAGEMENT PTY LTD



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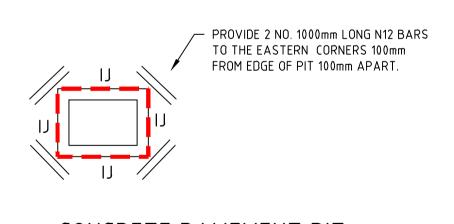
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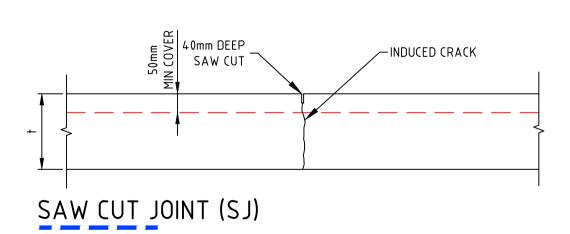
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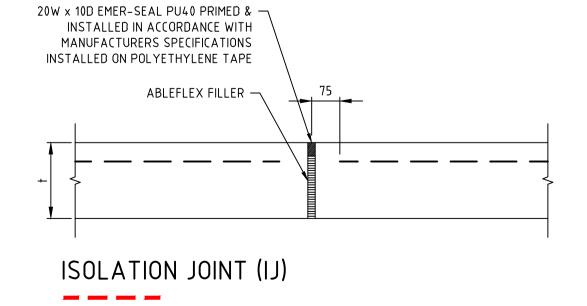
GENERAL NOTES:

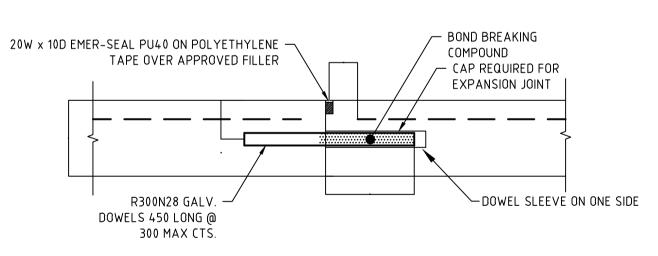
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- 8. ALL JOINTS TO BE SEALED AS SHOWN TO RESIST THE INTRUSION OF SAND AND GRAVEL AND TO MINIMISE THE INGRESS OF WATER.
- 9. VARIATION TO JOINT LAYOUT BY CONTRACTOR WILL NOT BE ACCEPTED WITHOUT SPECIFIC WRITTEN APPROVAL OF SUPERINTENDENT & COUNCIL.
- 10. FOOTPATH CONSTRUCTION DETAILS IN ACCORDANCE WITH EDCM STANDARD DRAWING 401.
- 11. RESIDENTIAL DRIVEWAYS CONSTRUCTION DETAILS IN ACCORDANCE WITH EDCM STANDARD DRAWINGS 501–502
- 12. ALL PIT/ACCESS HOLE JOINT DETAILS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH EDCM STANDARD DRAWING EDCM402
- 13. ALL JOINTS ARE TO EXTEND THROUGH KERBS



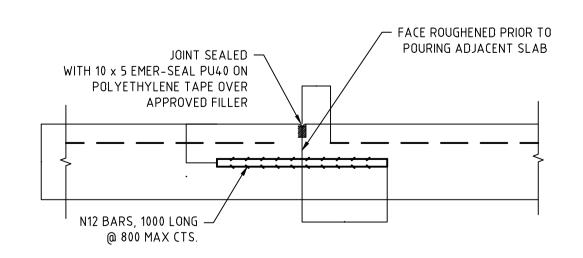
CONCRETE PAVEMENT PIT INTERFACE DETAIL JOINT DETAIL EDCM 402 NOT TO SCALE







TRANSVERSE JOINT (TJ)



LONGITUDINAL JOINT (LJ)

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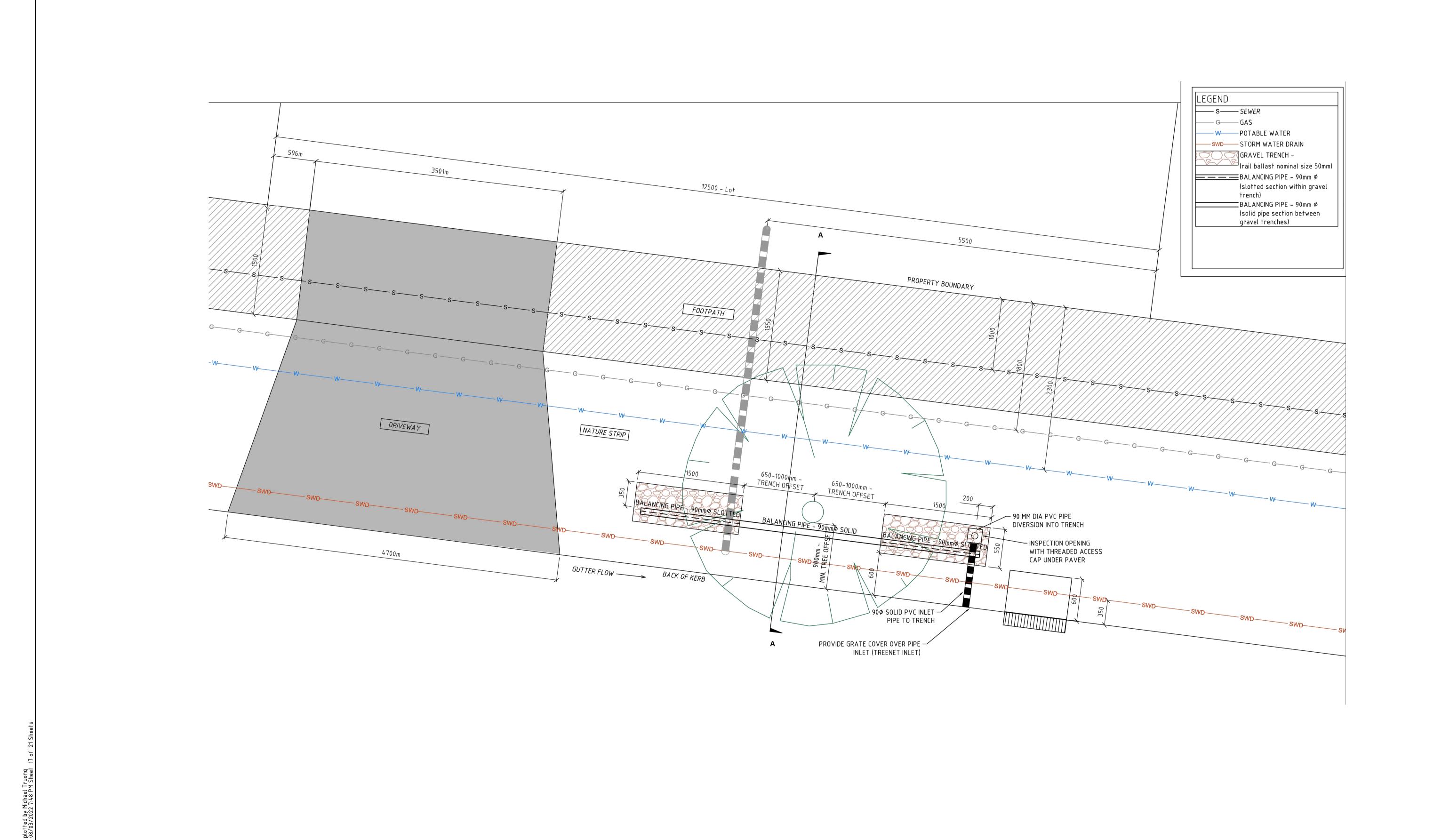
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SEVENTH BEND
STAGE 18
ROAD AND DRAINAGE
PAVEMENT AND TYPICAL DETAILS - CONCRETE DETAIL PLAN
MELTON CITY COUNCIL
EXFORD ROAD MANAGEMENT PTY LTD

PRELIMINARY 308946CR702





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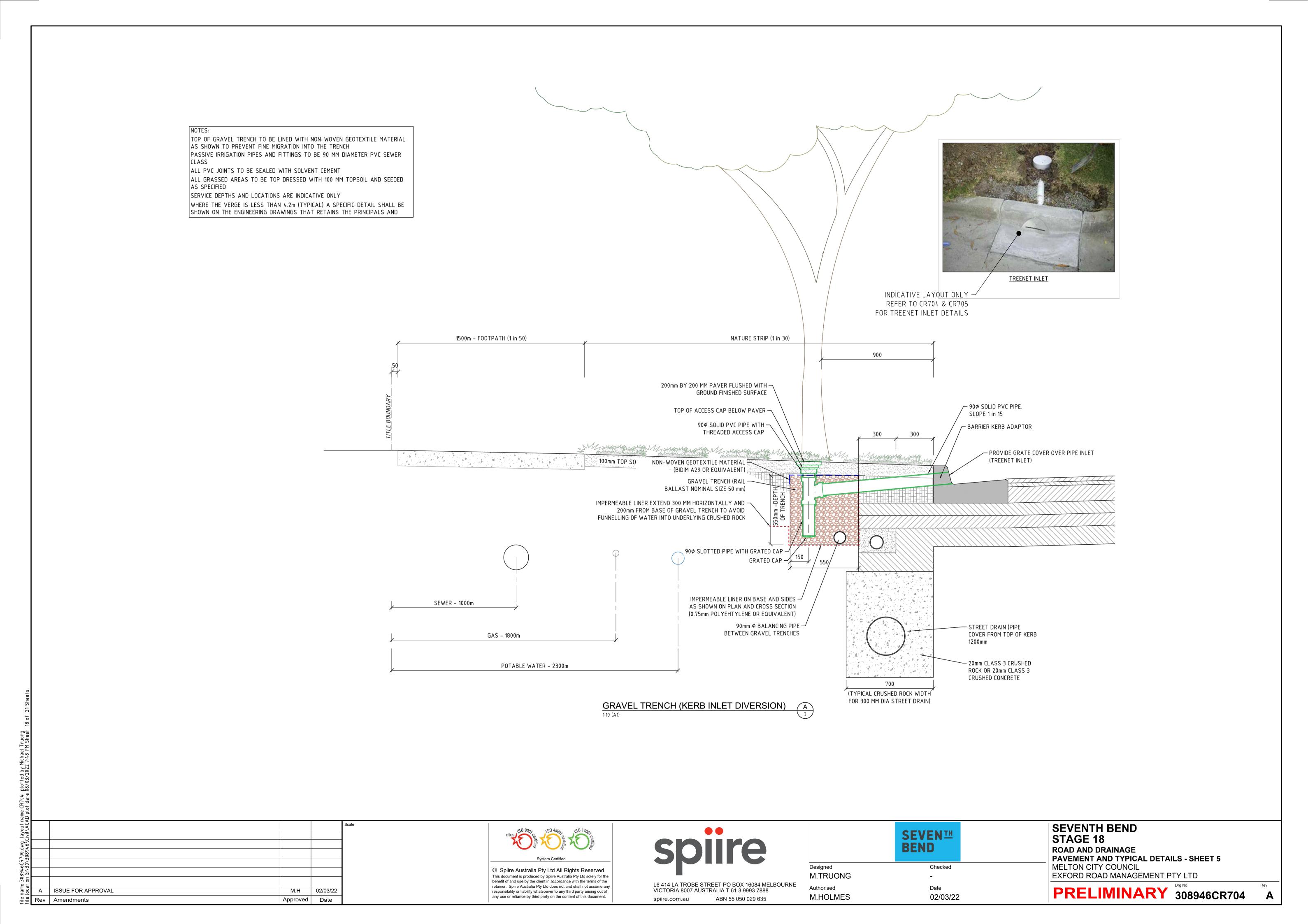
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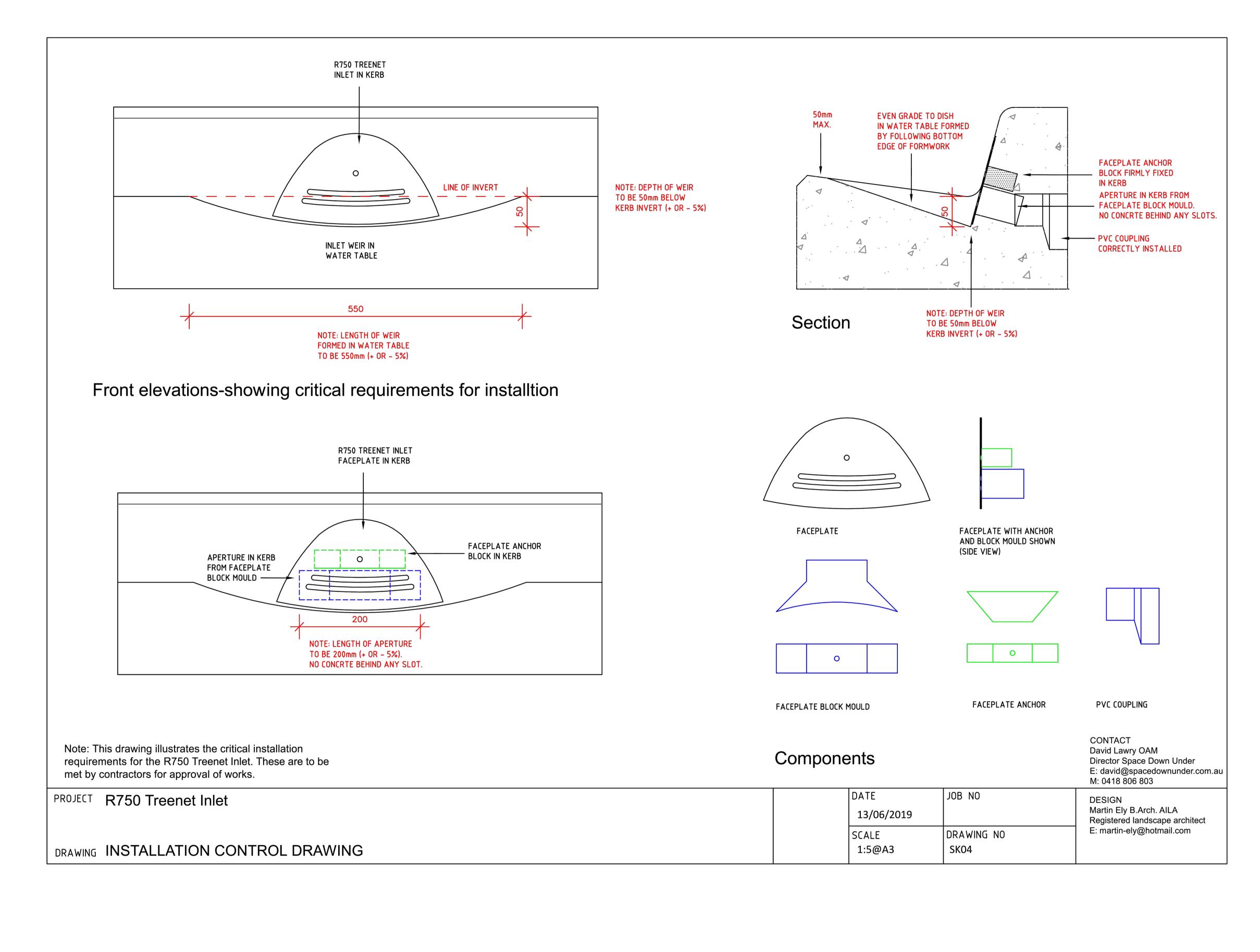
SEVENTH BEND
STAGE 18
ROAD AND DRAINAGE
PAVEMENT AND TYPICAL DETAILS - SHEET 4
MELTON CITY COUNCIL
EXFORD ROAD MANAGEMENT PTY LTD

PRELIMINARY 308946CR703

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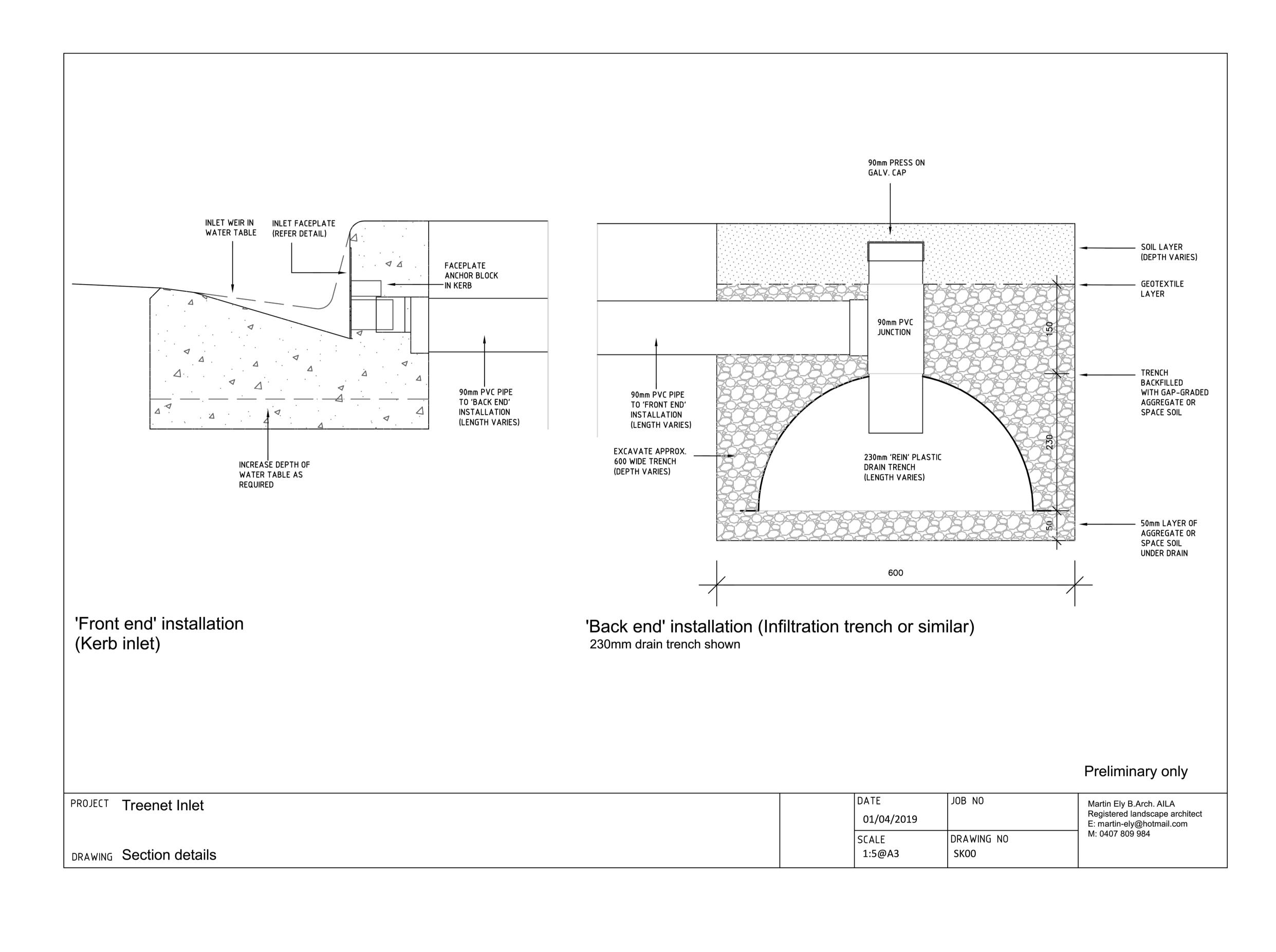


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Authorised M.HOLMES	Date 02/03/22	

SEVENTH BEND
STAGE 18
ROAD AND DRAINAGE
PAVEMENT AND TYPICAL DETAILS - SHEET 6
MELTON CITY COUNCIL
EXFORD ROAD MANAGEMENT PTY LTD



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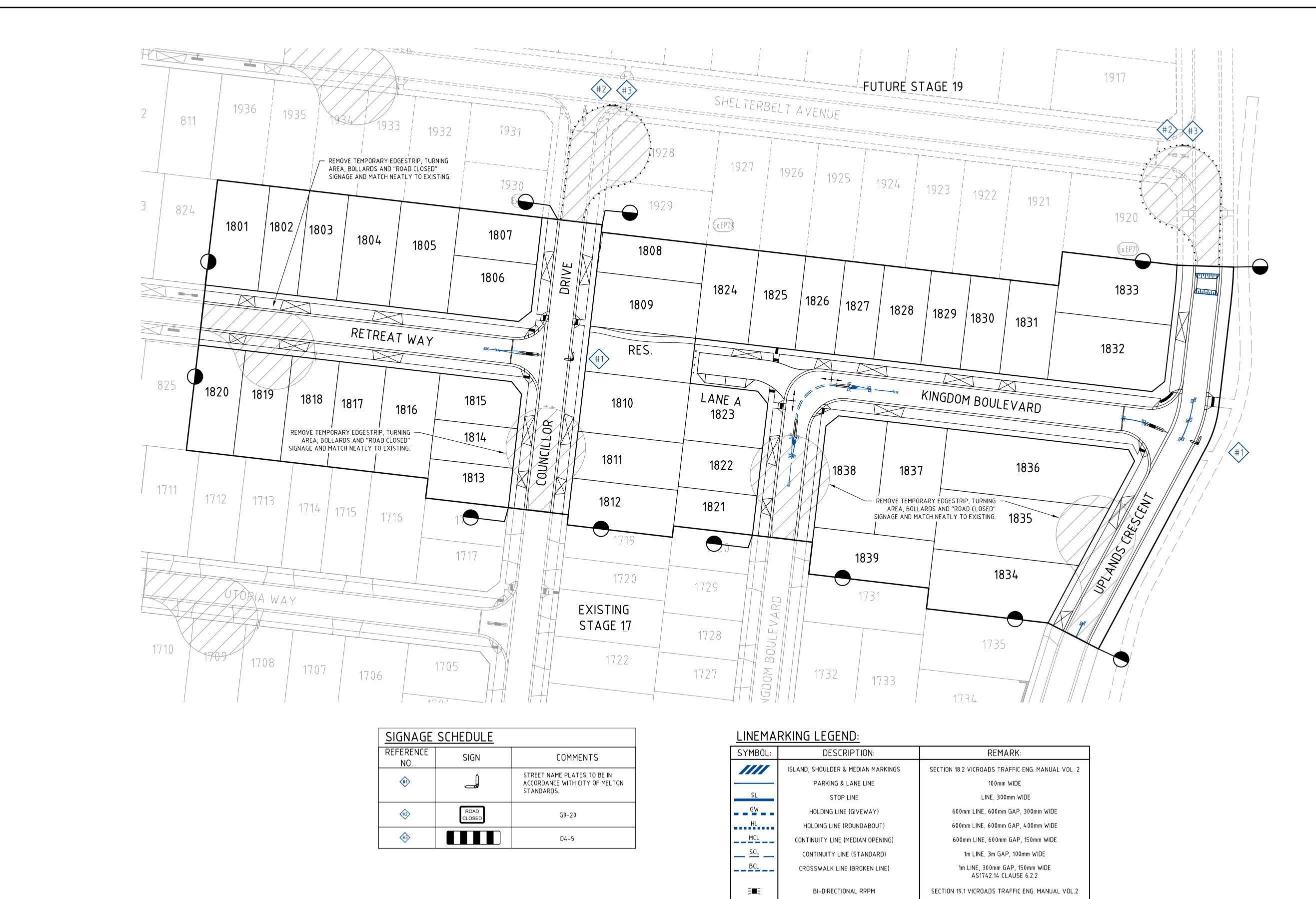
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E	Authorised	Date	
	M.HOLMES	02/03/22	

	SEVENTH BEND	
	STAGE 18	
	ROAD AND DRAINAGE	
_	PAVEMENT AND TYPICAL DETAILS - SHEET 7	
	MELTON CITY COUNCIL	
	EXFORD ROAD MANAGEMENT PTY LTD	
	Drg No	Rev
	PRELIMINARY 308946CR706	



SYMB0L:	DESCRIPTION:	REMARK:
////	ISLAND, SHOULDER & MEDIAN MARKINGS	SECTION 18.2 VICROADS TRAFFIC ENG. MANUAL VOL. 2
	PARKING & LANE LINE	100mm WIDE
SL	STOP LINE	LINE, 300mm WIDE
GW	HOLDING LINE (GIVEWAY)	600mm LINE, 600mm GAP, 300mm WIDE
HL	HOLDING LINE (ROUNDABOUT)	600mm LINE, 600mm GAP, 400mm WIDE
MCL	CONTINUITY LINE (MEDIAN OPENING)	600mm LINE, 600mm GAP, 150mm WIDE
SCL	CONTINUITY LINE (STANDARD)	1m LINE, 3m GAP, 100mm WIDE
BCL	CROSSWALK LINE (BROKEN LINE)	1m LINE, 300mm GAP, 150mm WIDE AS1742.14 CLAUSE 6.2.2
: ■:	BI-DIRECTIONAL RRPM	SECTION 19.1 VICROADS TRAFFIC ENG. MANUAL VOL.2
⋛■	UNI-DIRECTIONAL RRPM	SECTION 19.1 VICROADS TRAFFIC ENG. MANUAL VOL.2
	TACTILE GROUND SURFACE INDICATORS	SECTION 21.1 VICROADS TRAFFIC ENG. MANUAL VOL. 2

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	SEVENTE BEND	
Designed	Checked	
M.TRUONG	-	
Authorised	Date	
M.HOLMES	02/03/22	

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