SEVENTH BEND STAGE 14 EXFORD ROAD MANAGEMENT PTY LTD

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 28. LINEMARKING AND SIGNAGE TO BE INSTALLED IN ACCORDANCE WITH AS 1742 SERIES 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.
- 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.

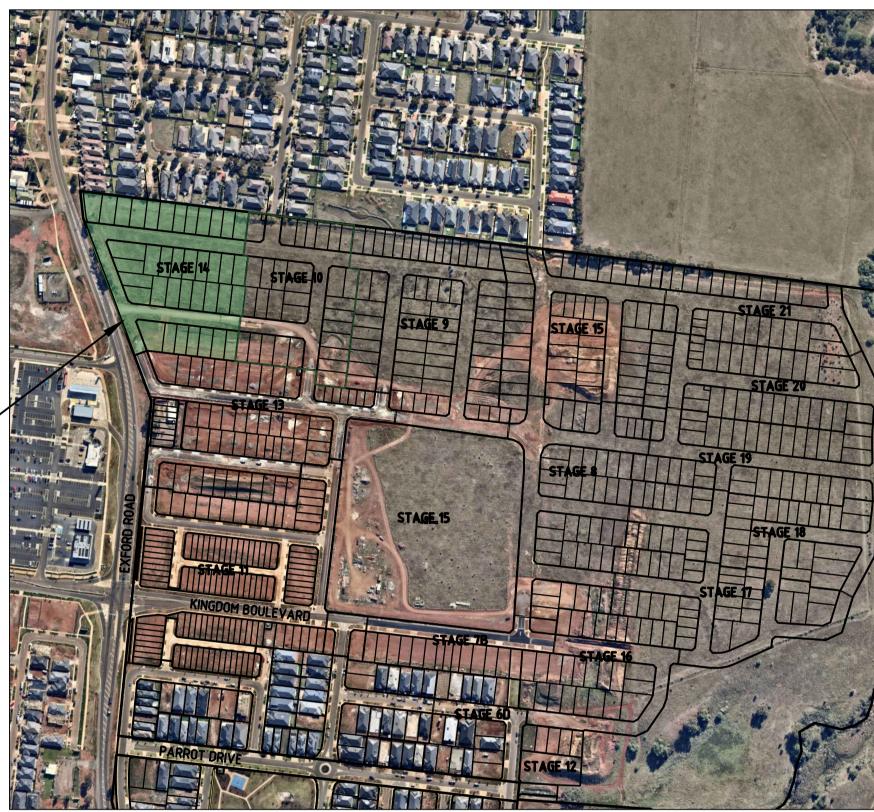
<u>PAVEMENT</u>

- 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.
- 26. 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 APPROVED MATERIAL.

SIGNAGE AND LINEMARKING

- 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 SEDIMENT RUNOFF PROTECTION ETC. PRIOR TO THE COMMENCEMENT OF WORKS.
- 32. 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

NOT TO SCALE

DRAWING SCHEDULE

DRAWING	DESCRIPTION	SHEET No.	REVISION
CR100	FACE SHEET	1	А
CR200	FACE PLAN	2	А
CR201	SERVICES PLAN	3	А
CR300	ROAD LONG SECTIONS – SHEET 1	4	А
CR301	5	A	
CR400	ROAD CROSS SECTIONS - SHEET 1	6	А
CR401	ROAD CROSS SECTIONS - SHEET 2	7	А
CR500	INTERSECTION DETAILS	8	A
CR600	DRAINAGE LONG SECTIONS	9	А
CR601	PIT SCHEDULE & SET OUT TABLES	10	А
CR700	PAVEMENT AND TYPICAL DETAILS - SHEET 1	11	А
CR701	PAVEMENT AND TYPICAL DETAILS - SHEET 2	12	А
CR800	SIGNAGE AND LINEMARKING	13	А



DESCRIPTION	EXISTING	PROPOSED
WATER MAIN, VALVE AND HYDRANT	DW	
UNDERGROUND ELECTRICITY		Е
TELECOMMUNICATIONS & SERVICE PIT		
GAS MAIN	— — — G — — —	G
SEWER & MAINTENANCE STRUCTURE	———s——o—	S
CENTRAL INVERT	>>-	>>-
COUNCIL STORMWATER DRAIN AND PIT STORM WATER DRAINAGE PROPERTY INLETS	•	•
COUNCIL STORM WATER PITS		
HOUSE DRAIN	•H	•H
AG DRAIN AND FLUSHER	> AG	——> AG —— ③
STORM WATER DRAINAGE PIT NUMBER	(Ex.47)	\bigcirc
GAS & WATER CONDUITS	GW	GW
CONCRETE VEHICLE CROSSING		
RIDGE / CHANGE OF GRADE LINE		
SURFACE CONTOUR MINOR	— - 169.00 - — — —	
SURFACE CONTOUR MAJOR SURFACE LEVEL	— - 168.90 - — — E123.45	F124.68
BATTER LEVEL (TOP / TOE)	T124.80	T124.80
RETAINING WALL LEVEL (TOP/BOTTOM)	TW112.76	TW128.50 BW126.74
EARTHWORKS GRADE		1 in 150
SIGN AND POST		
LIGHT & POLE (BY OTHERS)	\circ	\longleftrightarrow
STREET SIGN	•	• >
PERMANENT SURVEY MARK		↓
TEMPORARY BENCH MARK		
BOLLARD	+	+
ROAD 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
LOT CHAINAGES	CH20.06	CH20.06
SETOUT POINT		<u>A2</u>
LIMIT OF WORKS		
BATTER		
EXCAVATION GREATER THAN 0.20m	<i></i>	
FILLING GREATER THAN 0.20m		
RETAINING WALL		
FENCE – TREE PROTECTION	_x	-× × × × ×
FENCE – VEHICLE EXCLUSION		
FENCES		
GUARD DAII		
UUAKU KAII		
JUAKU KAIL		
GUARD RAIL TREE (& SURVEYED CANOPY) TO BE RETAINED		
TREE (& SURVEYED CANOPY) TO BE RETAINED		
TREE (& SURVEYED CANOPY) TO BE RETAINED TREE TO BE PROTECTED TREE TO BE REMOVED		
TREE (& SURVEYED CANOPY) TO BE RETAINED TREE TO BE PROTECTED TREE TO BE REMOVED VEGETATION LINE		
TREE (& SURVEYED CANOPY) TO BE RETAINED TREE TO BE PROTECTED TREE TO BE REMOVED		



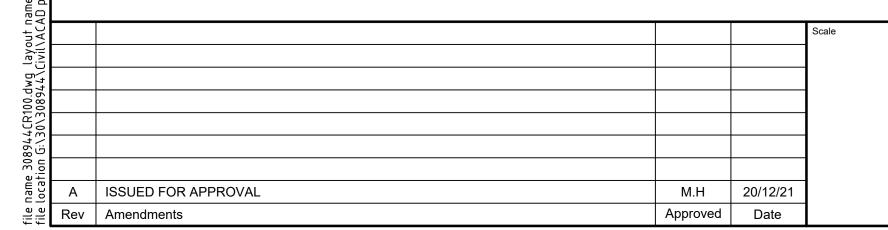
WARNING

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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SEVEN^{III} **BEND** Checked O.TRAORE Authorised M.HOLMES **DECEMBER 2021** **SEVENTH BEND** STAGE 14 **ROAD AND DRAINAGE FACE SHEET** MELTON CITY COUNCIL EXFORD ROAD MANAGEMENT PTY LTD

PRELIMINARY 308944CR100



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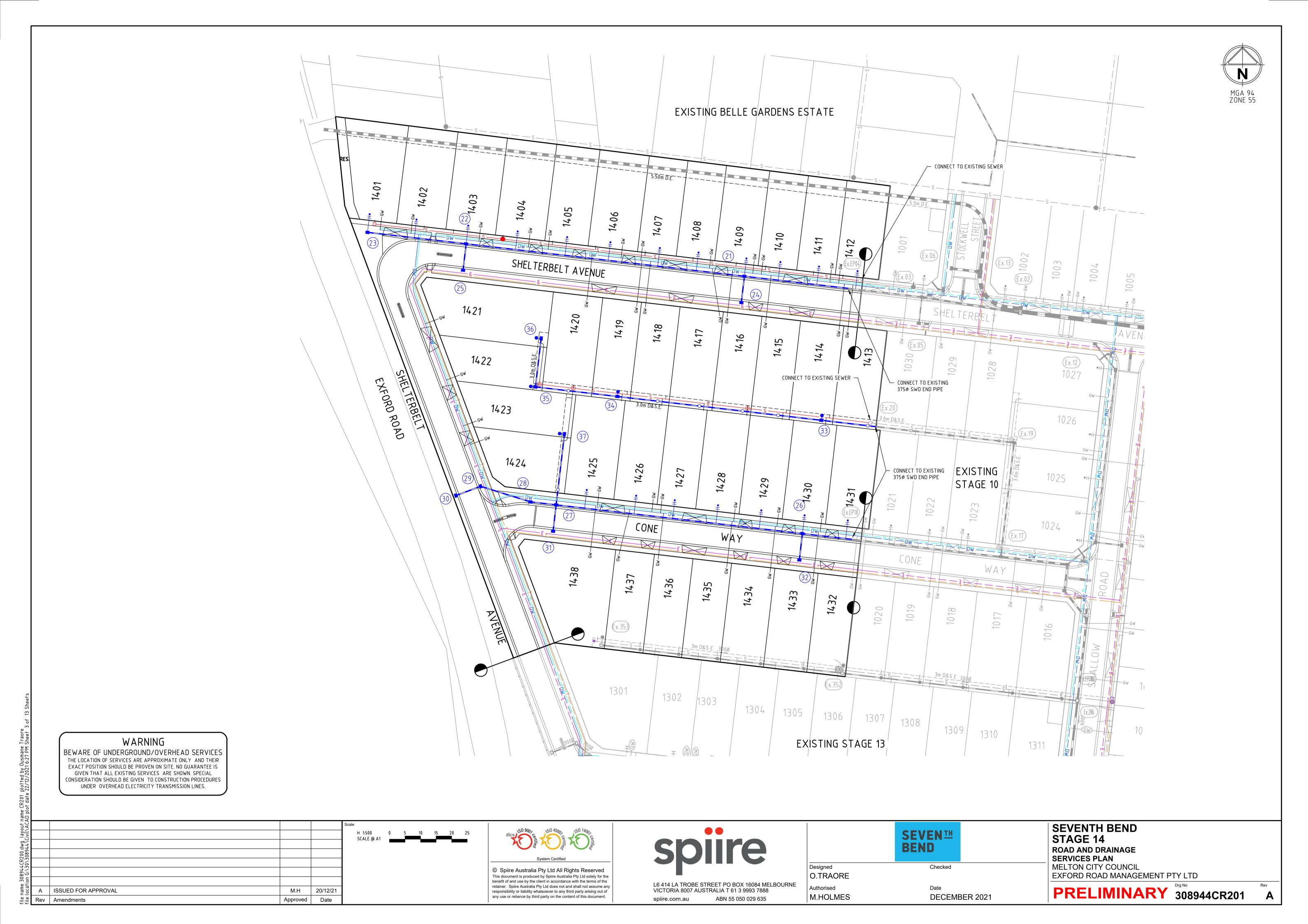
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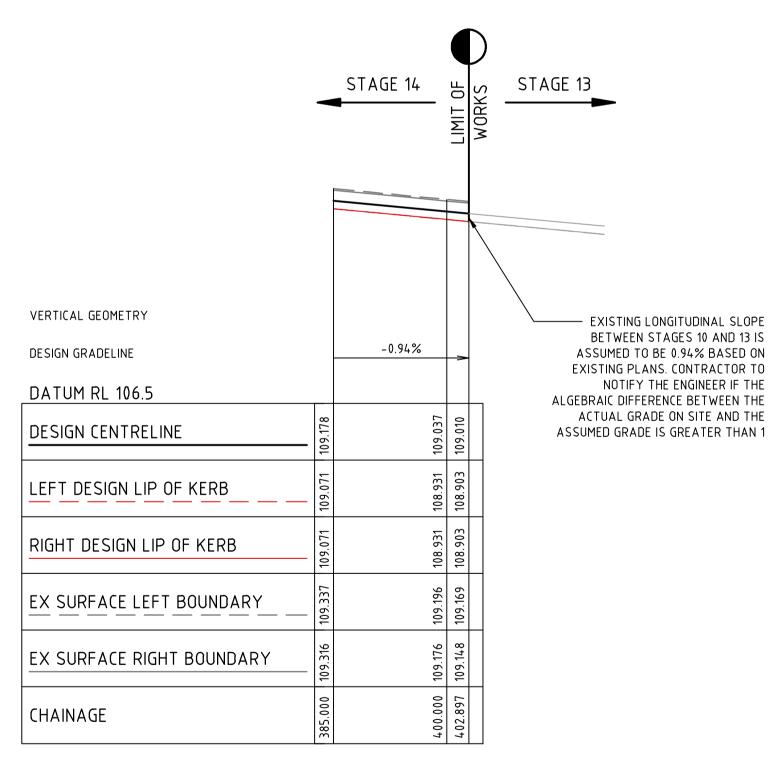
L6 414 LA TROBE STREET PO BOX 16084 MELBOURNE VICTORIA 8007 AUSTRALIA T 61 3 9993 7888

ABN 55 050 029 635

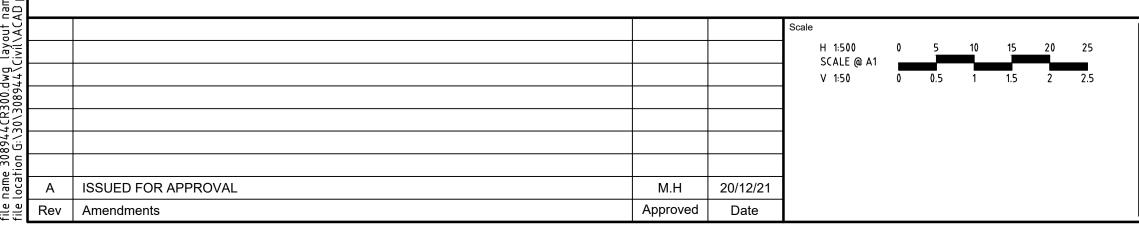




SHELTERBELT AVENUE



SHELTERBELT AVENUE





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ABN 55 050 029 635

Designed

Authorised

O.TRAORE

M.HOLMES

SEVEN ^{III} BEND	
Checked	

DECEMBER 2021

SEVENTH BEND STAGE 14 **ROAD AND DRAINAGE ROAD LONG SECTIONS - SHEET 1** MELTON CITY COUNCIL

EXFORD ROAD MANAGEMENT PTY LTD



ISSUED FOR APPROVAL 20/12/21 Approved Date

VERTICAL GEOMETRY

DESIGN GRADELINE

CHAINAGE

CONE WAY

DATUM RL 106.0

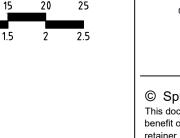
DESIGN CENTRELINE

LEFT DESIGN LIP OF KERB

RIGHT DESIGN LIP OF KERB

EX SURFACE LEFT BOUNDARY

EX SURFACE RIGHT BOUNDARY





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1.11%

109.048 109.096 109.144 109.171 109.188

108.941 108.989 109.038 109.065

109.232 109.280 109.307

175.650 180.000 184.343 186.768 188.312 192.382

108.627 108.632 108.642 108.691 108.709 108.718 108.763

108.520 108.525 108.535 108.565 108.603 108.612 108.612

108.520 108.525 108.535 108.565 108.603 108.612 108.612

108.753 108.758 108.768 108.818 108.815 108.845 108.845

108.763 108.768 108.778 108.808 108.828 108.845 108.855

132.150 133.150 135.062 140.000 142.562 144.650 145.650

108.561 108.564 108.565

108.454 108.457 108.459

108.687 108.689 108.691

383

108

.383

108.

108.616

108.544 108.547

	BEND
Designed	Checked
O.TRAORE	
Authorised	Date
M.HOLMES	DECEMBER 2021

SEVENTH

SEVENTH BEND STAGE 14 ROAD AND DRAINAGE **ROAD LONG SECTIONS - SHEET 2** MELTON CITY COUNCIL

EXFORD ROAD MANAGEMENT PTY LTD

PRELIMINARY 308944CR301

H 1:500 0 5 10 15 20 25 SCALE @ A1 V 1:50 0 0.5 1 1.5 2 2.5

STAGE 10

ABN 55 050 029 635 spiire.com.au

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. STRUCTURAL FILL IN ACCORDANCE WITH AS3798-2007, LEVEL 1 **DATUM R.L.108.0** DESIGN SURFACE LEVEL EXISTING SURFACE LEVEL OFFSET SHELTERBELT AVENUE **DATUM R.L.108.0**

CH 199.56 1 in 30 1 in 30 1 in 30

1 in 30

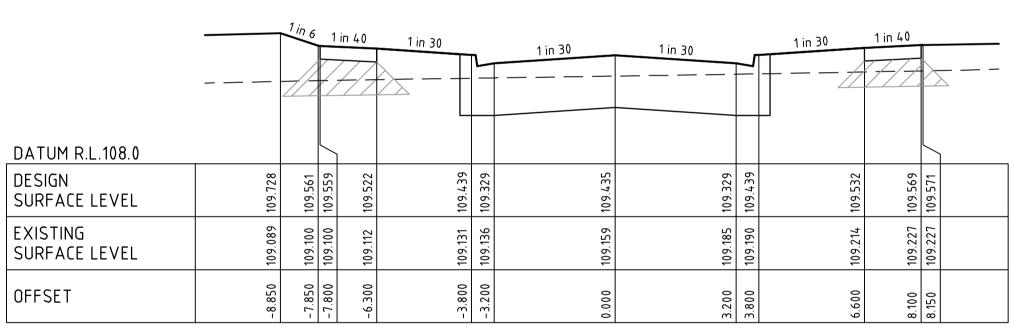
16.00m ROAD RESERVE

7.30m CARRIAGEWAY

— — 1 in 30— <u>—</u>

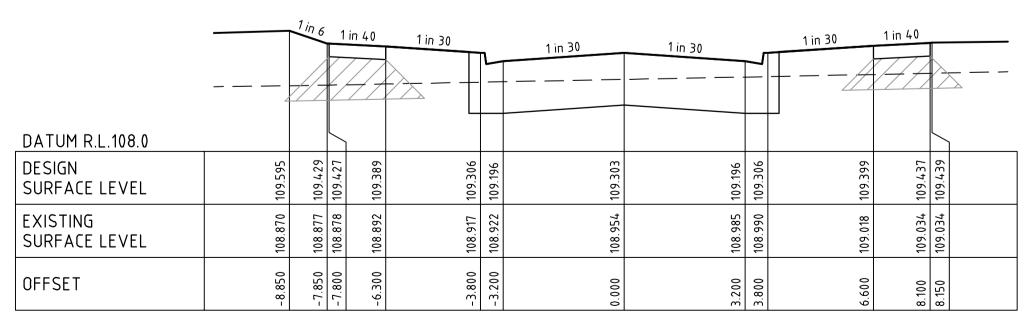
— −1 in 30- —

DESIGN SURFACE LEVEL EXISTING SURFACE LEVEL OFFSET SHELTERBELT AVENUE CH 174.56



SHELTERBELT AVENUE

CH 148.06



SHELTERBELT AVENUE

CH 121.56



SEVEN¹¹ BEND Designed Checked O.TRAORE Date Authorised DECEMBER 2021 M.HOLMES

MELTON CITY COUNCIL EXFORD ROAD MANAGEMENT PTY LTD

SEVENTH BEND STAGE 14

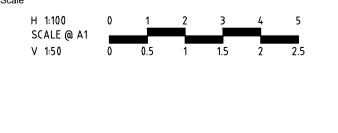
110.434 110.434 110.436

8.100 8.150 8.363

ROAD AND DRAINAGE **ROAD CROSS SECTIONS - SHEET 1**

1 in 40

ISSUED FOR APPROVAL 20/12/21 Approved Date Rev | Amendments





L6 414 LA TROBE STREET PO BOX 16084 MELBOURNE VICTORIA 8007 AUSTRALIA T 61 3 9993 7888

DATUM R.L.108.0

SURFACE LEVEL

SURFACE LEVEL

SHELTERBELT AVENUE

DESIGN

EXISTING

OFFSET

DATUM R.L.109.0

SURFACE LEVEL

SURFACE LEVEL

SHELTERBELT AVENUE

DESIGN

EXISTING

OFFSET

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17.05m ROAD RESERVE

1 in 30

CH 264.04

10.10m CARRIAGEWAY

16.00m ROAD RESERVE

7.30m CARRIAGEWAY

CH 236.23

— <u>1 in 30</u> — 1 in 30 — — 1 in 30

PRELIMINARY 308944CR400

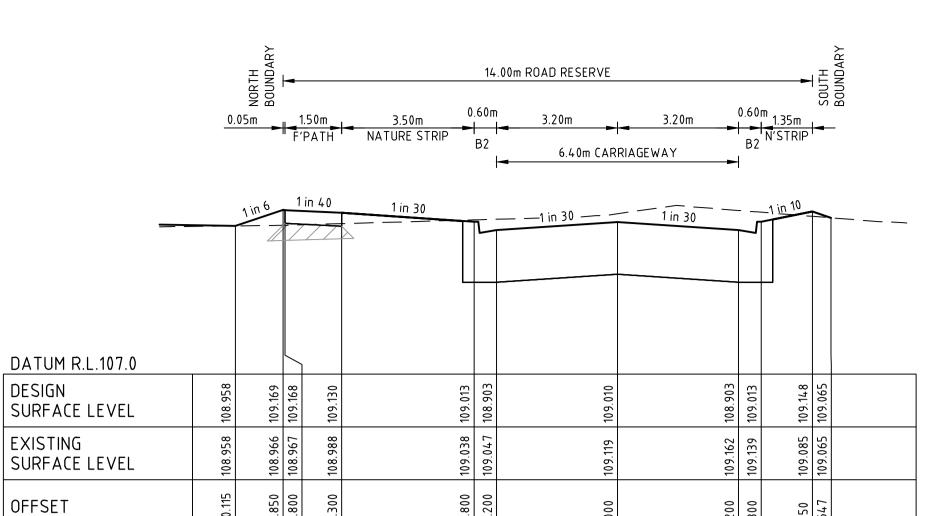
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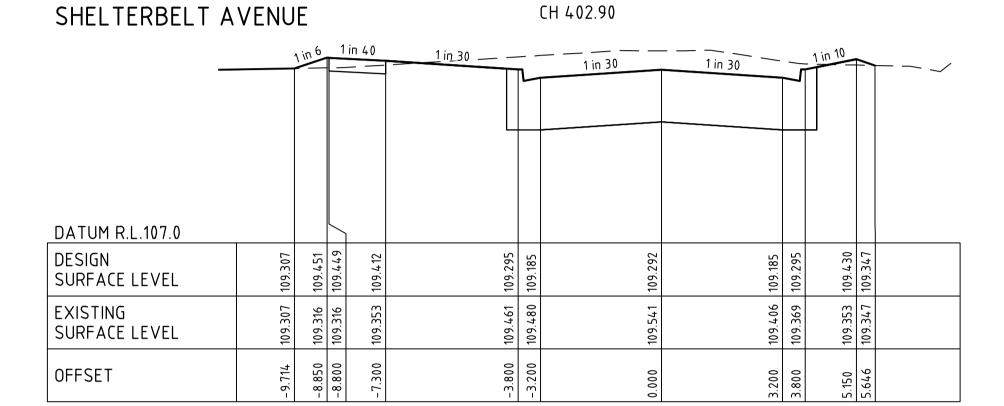
spiire.com.au ABN 55 050 029 635 FILLING NOTE

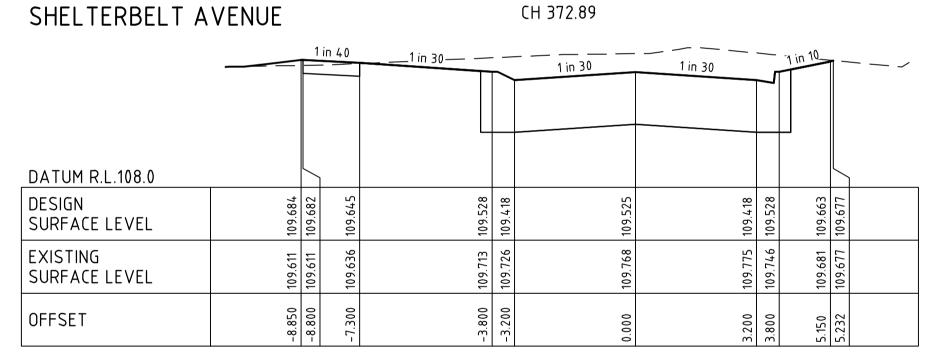
ALL FILLING WITHIN ROAD RESERVES IS TO BE UNDERTAKEN USING LEVEL 1 SUPERVISION AND BE COMPLETED IN ACCORDANCE WITH AS 3798-2007 AND TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND REPLACED WITH TOPSOIL (WHERE REQUIRED) TO OBTAIN THE FINAL LEVELS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

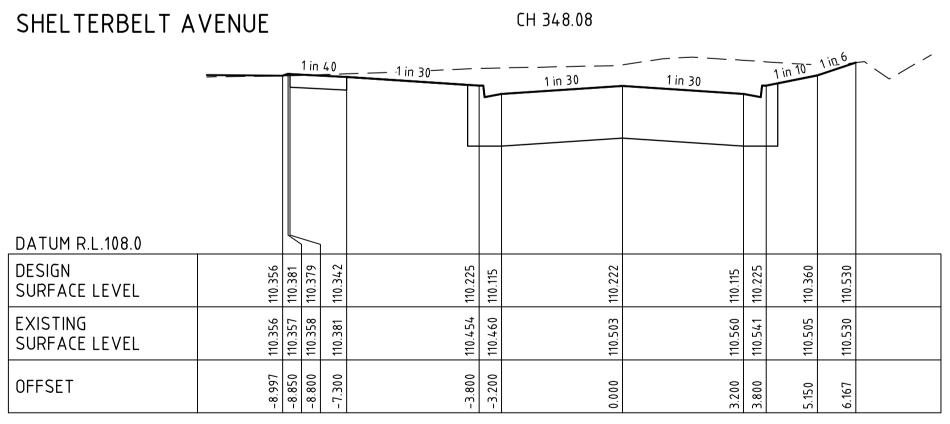


STRUCTURAL FILL IN ACCORDANCE WITH AS3798-2007, LEVEL 1

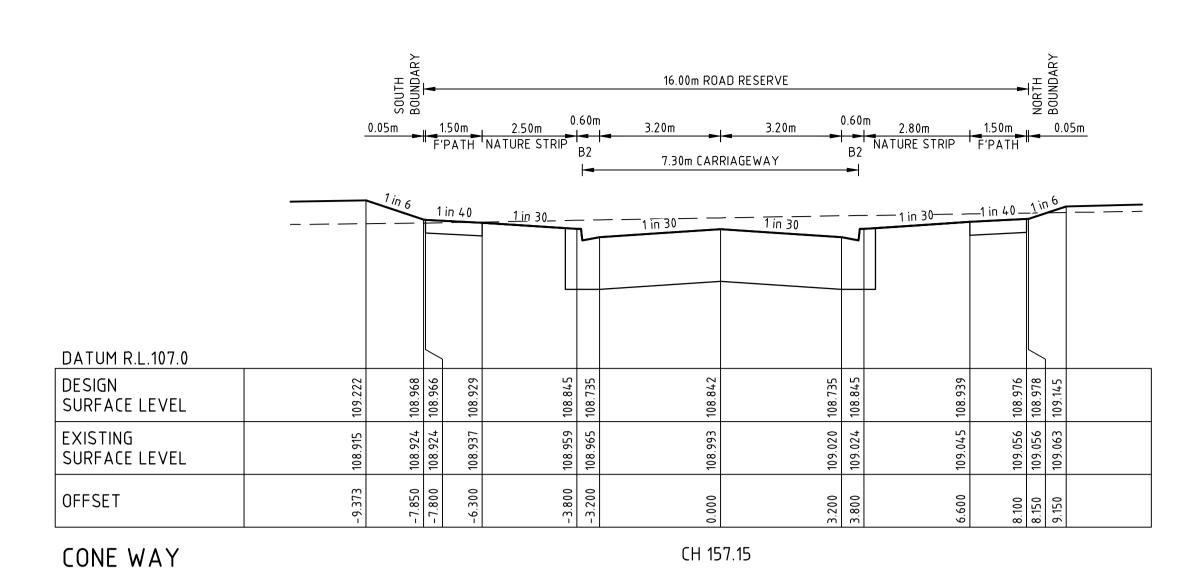








CH 297.29 SHELTERBELT AVENUE



		1 in 6	1 in 40	1 in 30		— — 1 in 30—— —	- — –1 in 30— —	7	<u>1 in 30</u>	1 in 40	1 in	16	
DATUM R.L.107.0													
DESIGN SURFACE LEVEL	109.170	108.753	108.751	108.630	108.520	108.627	108.520	108.630	108.724	108.761	108.763	108.929	
EXISTING SURFACE LEVEL	108.645	108.656	108.656	108.673	108.676	108.690	108.706	108.708	108.722	108.729	108.729	108.734	
OFFSET	-10.350	-7.850	-7.800	-3.800	-3.200	0.00.0	3.200	3.800	009:9	8.100	8.150	9.150	
CONE WAY						CH 132.	15						

DATUM R.L.107.0			1 in 40	1 in 30		1 in 30	1 in 30		1 in 30	1 in 40		200	
DESIGN SURFACE LEVEL	109.032	108.616	108.614	1	108.383	108.490	108.383	108.493	108.586	108.624	108.626	108.792	
EXISTING SURFACE LEVEL	108.489	108.495	108 7.99		108.507	108.516	108.527	108.530	108.545	108.553		108.558	
OFFSET	-10.350	-7.850	-7.800		-3.200	0.000	3.200	3.800	6.600	8.100	8.150	9.150	

CONE WAY	CH 105.15												
		1 in 6	1 in 40	1 in 30		- — 1 in 30— —	- — –1 in 30 [—] —	7	1 in_3 <u>0</u>	1 in 40	1 in	6	
DATUM R.L.107.0													
DESIGN SURFACE LEVEL	108.900	108.483	108.444	108.361	108.251	108.358	108.251	108.361	108.454	108.492	108.493	108.660	
EXISTING SURFACE LEVEL	108.410	108.410	108.410	108.410	108.410	108.430	108.453	108.458	108.479	108.491	108.491	108.500	
OFFSET	-10.350	-7.850	-6.300	-3.800	-3.200	0.000	3.200	3.800	0.690	8.100	8.150	9.150	

CONE WAY CH 79.15

AD plot a						
Ϋ́					Scale	
					H 1:100	0
7/++					SCALE @ A1 V 1:50	0
30\308944\LIVIL						
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location	Α	ISSUED FOR APPROVAL	M.H	20/12/21		
tıle	Rev	Amendments	Approved	Date		
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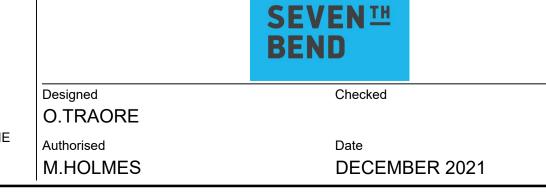
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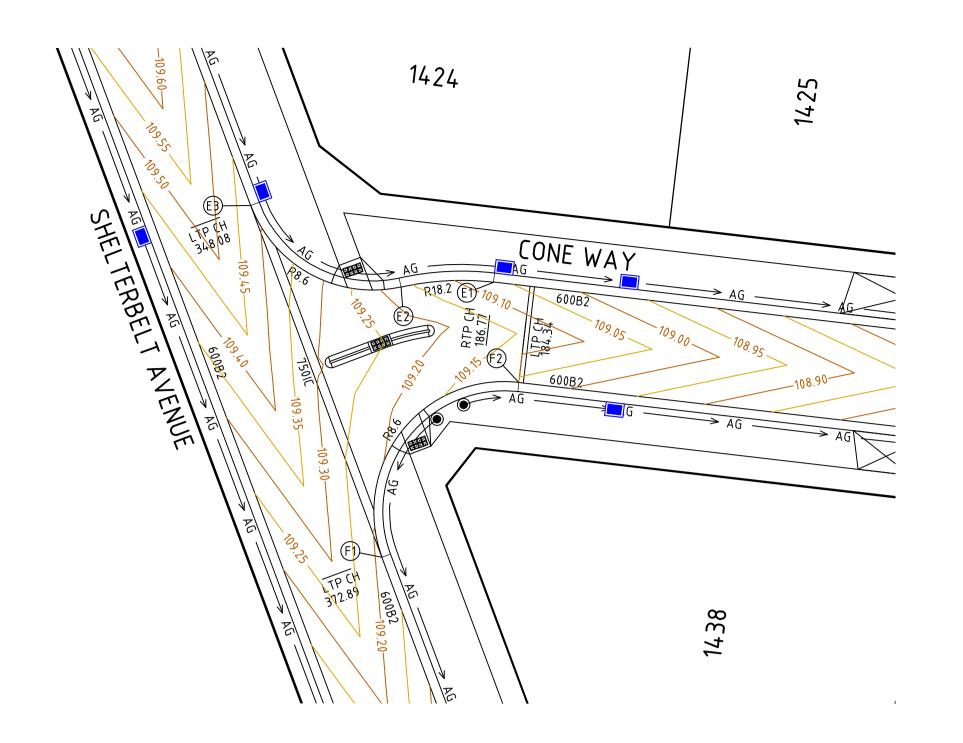


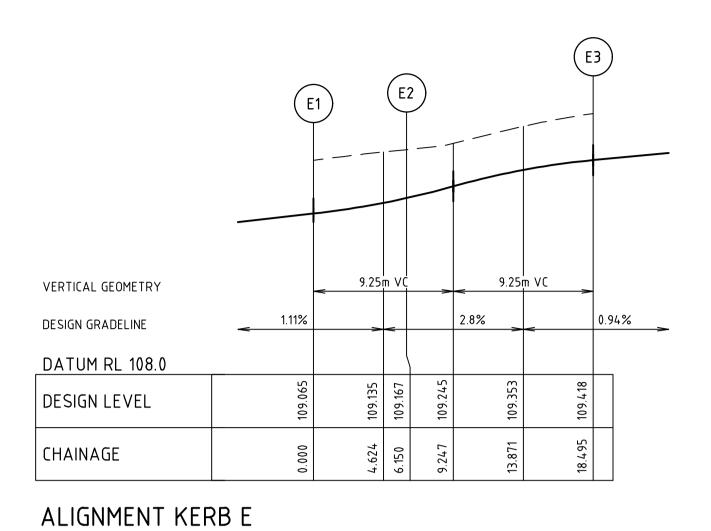
ABN 55 050 029 635

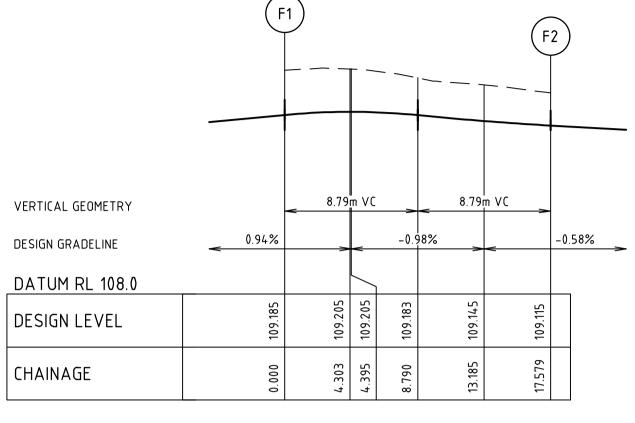
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SEVENTH BEND STAGE 14 ROAD AND DRAINAGE **ROAD CROSS SECTIONS - SHEET 2** MELTON CITY COUNCIL EXFORD ROAD MANAGEMENT PTY LTD

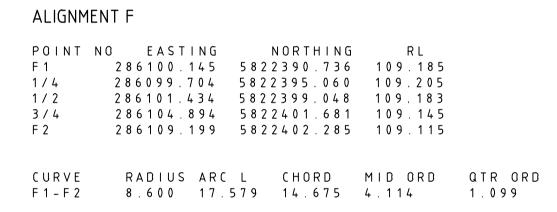


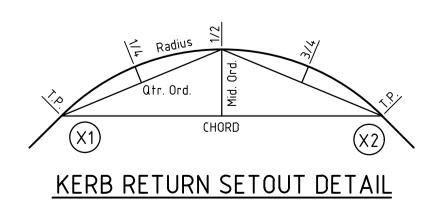




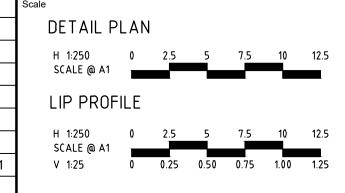
ALIGNMENT KERB F

ALIGNM	IENT E			
POINT E1 1/4 1/2 3/4 E2 1/4 1/2 3/4 E3	NO EASTING 286107.531 286105.998 286104.461 286102.931 286101.418 286098.351 286095.434 286093.038 286091.469	NORTHING 5 8 2 2 4 0 8 . 9 2 3 5 8 2 2 4 0 9 . 0 3 6 5 8 2 2 4 0 9 . 0 2 0 5 8 2 2 4 0 8 . 8 7 4 5 8 2 2 4 0 8 . 5 9 9 5 8 2 2 4 0 8 . 4 6 9 5 8 2 2 4 0 9 . 4 2 5 5 8 2 2 4 1 1 . 3 4 4 5 8 2 2 4 1 3 . 9 8 2	R L 1 0 9 . 0 6 5 1 0 9 . 0 8 4 1 0 9 . 1 0 7 1 0 9 . 1 3 5 1 0 9 . 1 6 7 1 0 9 . 2 4 5 1 0 9 . 3 2 2 1 0 9 . 3 7 9 1 0 9 . 4 1 8	
C U R V E E 1 – E 2 E 2 – E 3		L CHORD 150 6.121 344 11.312	MID ORD 0.259 2.121	QTR ORD - 0 . 0 6 5 0 . 5 4 8











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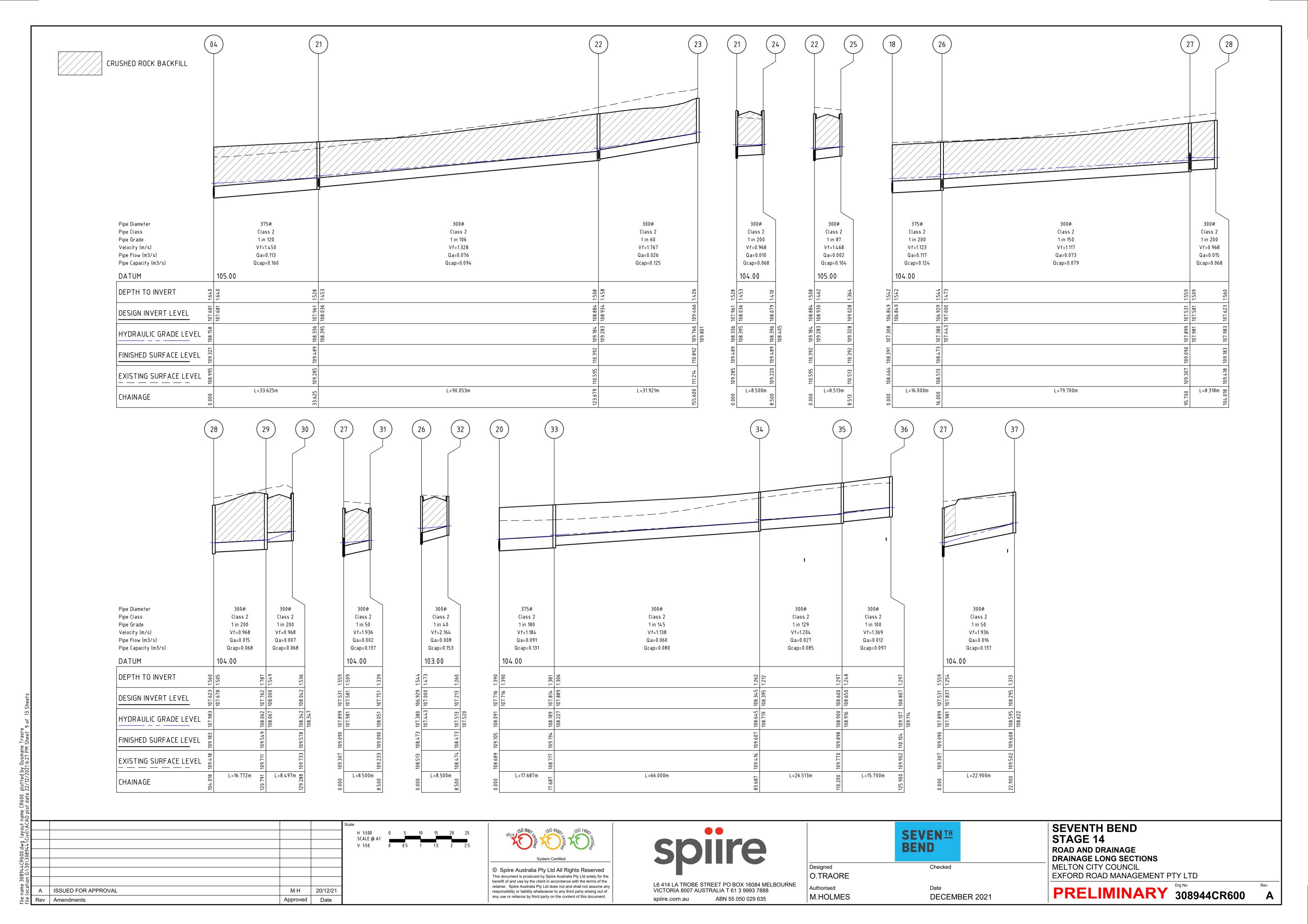
IIre	
	Designed
	O.TRAORE
REET PO BOX 16084 MELBOURNE TRALIA T 61 3 9993 7888	Authorised
ABN 55 050 029 635	M.HOLMES

SEVEN TH BEND	
Checked	

Date

DECEMBER 2021

SEVENTH BEND STAGE 14 ROAD AND DRAINAGE INTERSECTION DETAILS MELTON CITY COUNCIL EXFORD ROAD MANAGEMENT PTY LTD

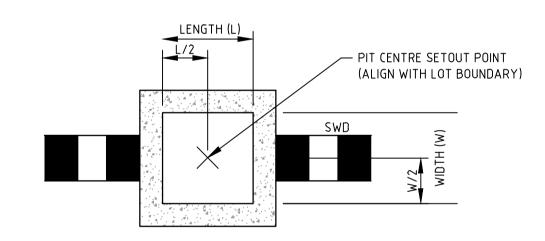


DRAINAGE PIT SCHEDULE

	PIT		RNAL	I	NLET	(DUTLET	PIT	•	REMARKS
NAME	TYPE	WIDTH	LENGTH	DIA	INV LEVEL	DIA	INV LEVEL	FS LEVEL	DEPTH	
21	GRATED SIDE ENTRY PIT	600	900	300	108.036	375	107.961	109.489	1.528	REFER TO EDCM 601.
				300	108.036					
22	GRATED SIDE ENTRY PIT	600	900	300	108.934	300	108.884	110.392	1.508	REFER TO EDCM 601.
				300	108.930					
23	JUNCTION PIT	600	900			300	109.466	110.892	1.426	
24	GRATED SIDE ENTRY PIT	900	600			300	108.079	109.489	1.410	REFER TO EDCM 601.
25	GRATED SIDE ENTRY PIT	900	600			300	109.028	110.392	1.364	REFER TO EDCM 601.
26	GRATED SIDE ENTRY PIT	600	900	300	107.000	375	106.929	108.473	1.544	REFER TO EDCM 601.
				300	107.000					
27	GRATED SIDE ENTRY PIT	600	900	300	107.581	300	107.531	109.090	1.559	REFER TO EDCM 601.
				300	107.581					
				300	107.837					
28	JUNCTION PIT	600	900	300	107.678	300	107.623	109.183	1.560	
29	GRATED SIDE ENTRY PIT	600	900	300	108.000	300	107.762	109.549	1.787	REFER TO EDCM 601.
30	GRATED SIDE ENTRY PIT	900	600			300	108.042	109.578	1.536	REFER TO EDCM 601.
31	GRATED SIDE ENTRY PIT	900	600			300	107.751	109.090	1.339	REFER TO EDCM 601.
32	JUNCTION PIT	900	600			300	107.213	108.473	1.260	REFER TO EDCM 601.
33	JUNCTION PIT	600	900	300	107.889	375	107.814	109.194	1.381	REFER TO EDCM 605
34	JUNCTION PIT	600	900	300	108.395	300	108.345	109.607	1.262	REFER TO EDCM 605
35	JUNCTION PIT	600	900	300	108.650	300	108.600	109.898	1.297	REFER TO EDCM 605
36	JUNCTION PIT	600	900			300	108.807	110.104	1.297	REFER TO EDCM 605
37	JUNCTION PIT	600	900			300	108.295	109.608	1.313	REFER TO EDM 605

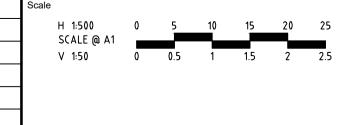
PIT SETOUT CO-ORDINATES

PIT	COORDINATES	
NAME	EASTING	NORTHING
21	286177.019	5822482.417
22	286087.572	5822492.850
23	286055.866	5822496.548
24	286176.034	5822473.975
25	286086.604	5822484.393
26	286195.674	5822399.699
27	286116.511	5822408.933
28	286108.248	5822409.896
29	286092.243	5822414.911
30	286084.282	5822411.940
31	286115.526	5822400.490
32	286194.689	5822391.256
33	286201.750	5822436.141
34	286136.194	5822443.787
35	286109.860	5822446.858
36	286111.678	5822462.453
37	286119.164	5822431.678



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

Α	ISSUED FOR APPROVAL	M.H	20/12/21
Rev	Amendments	Approved	Date





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SEVENTH BEND STAGE 14 ROAD AND DRAINAGE PIT SCHEDULE & SET OUT TABLES
MELTON CITY COUNCIL

EXFORD ROAD MANAGEMENT PTY LTD PRELIMINARY 308944CR601

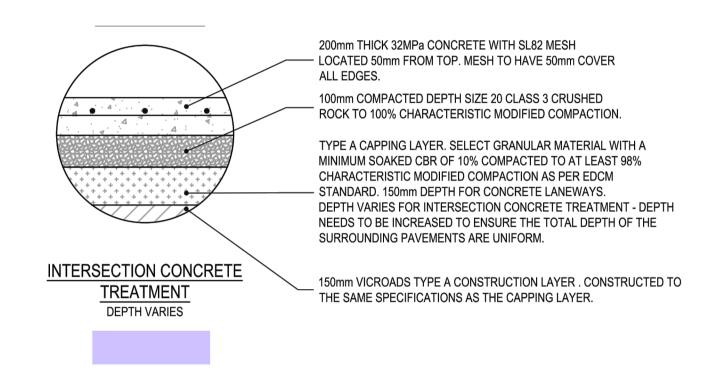


DESIGN PAVEMENT PROFILE

		DEPTH
PAVEMENT LAYER	DESCRIPTION	
FAVERIENT LATER		
WEARING COURSE ASPHALT	SIZE 10 TYPE N ASPHALT (CLASS 320 BINDER)	30
BASE COURSE ASPHALT	SIZE 10 TYPE N ASPHALT (CLASS 320 BINDER)	30
SAMI	SIZE 10 SAMI S18R	10
PRIME OR PRIMESEAL		Y
BASE	CLASS 2 FINE CRUSHED ROCK (SIZE 20mm) COMPACTED TO A DENSITY OF 100% (MODIFIED) AS1289.5.2.1	130
	UPPER PAVEMENT TOTAL	200
SUBBASE	CLASS 3 FINE CRUSHED ROCK (SIZE20mm) COMPACTED TO A DENSITY OF 98% (MODIFIED) AS1289.5.2.1	190
CAPPING LAYER	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.	150
CONSTRUCTION LAYER	VICROADS TYPE A CONSTRUCTION LAYER CONSTRUCTED TO THE SAME SPECIFICATIONS AS THE CAPPING LAYER	150
	TOTAL DAVIMENT DEDTIL	(00
	TOTAL PAVEMENT DEPTH	690

* REFER PAVEMENT PLAN FOR LOCATION OF PAVEMENT TYPES

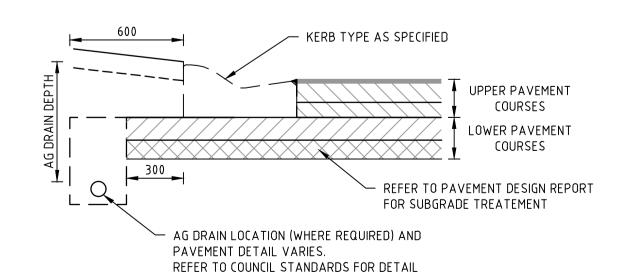
ROAD NAME	TYPE
SHELTERBELT AVENUE	Α
CONE WAY	Α



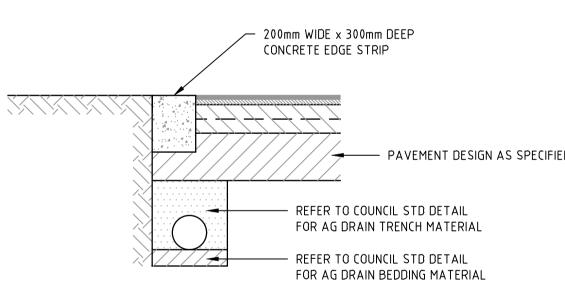
GENERAL NOTES:

Rev | Amendments

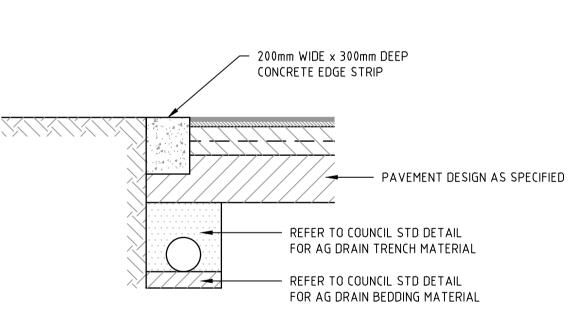
- 1. ALL WORKS TO BE COMPLETED IN ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARDS AND CCAA LITERATURE; OR VIC ROADS STANDARDS FOR NON RESIDENTIAL STREETS.
- 2. ALL CONCRETE TO BE MINIMUM 32MPa COMPRESSIVE STRENGTH
- 3. CONCRETE TO BE THOROUGHLY COMPACTED USING EITHER SURFACE AND/OR IMMERSION VIBRATORS, 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.

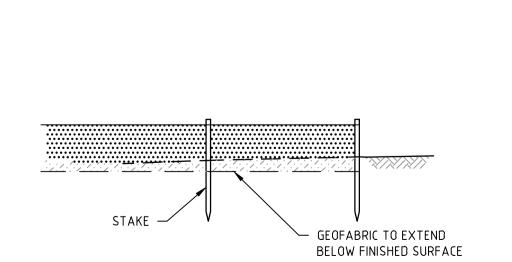


TYPICAL SUBSURFACE DRAIN DETAIL FOR NON-EXPANSIVE SUBGRADE REFER TO AUTHORITY REQUIREMENTS FOR SPECIFIC DETAILS



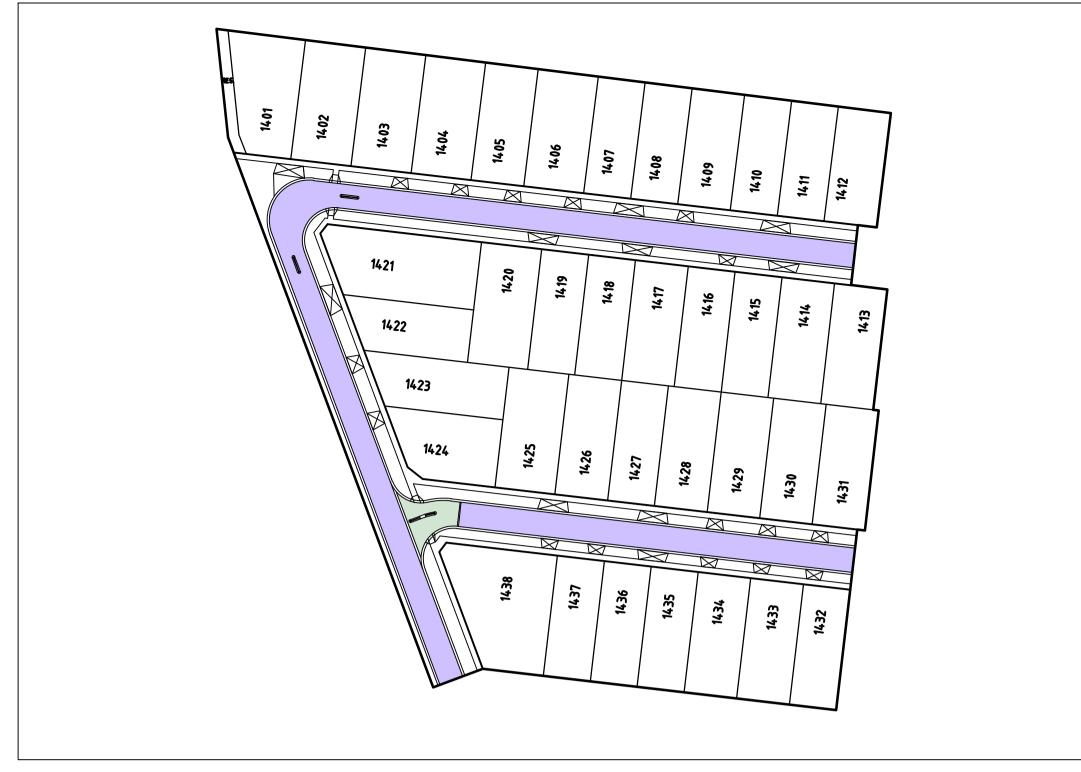
LIMIT OF WORKS CONCRETE EDGE STRIP & PAVEMENT INTERFACE DETAIL





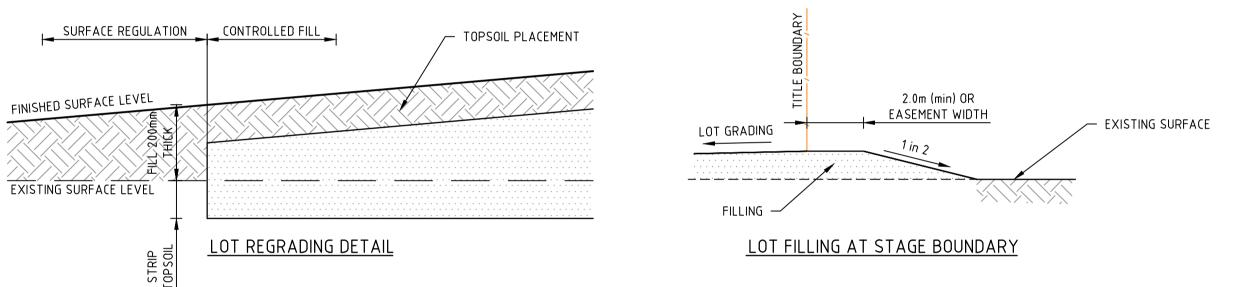
SILT CONTROL FOR LOTS

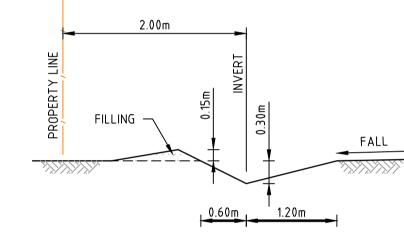
GEOFABRIC SILT FENCE



PAVEMENT PLAN



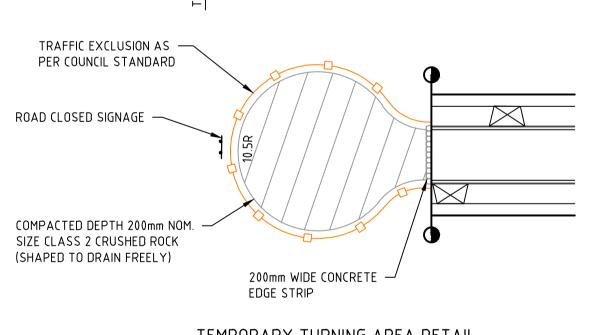




TYPICAL CATCH DRAIN SECTION

MGA 94 ZONE 55

NOT TO SCALE



TEMPORARY TURNING AREA DETAIL

- LINE OF KERB LINE OF KERB CHAMFER CHAMFER - LINE OF KERB - 15 x 15 CHAMFER 600mm 600mm **EDGESTRIP**

PAVEMENT DETAILS

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

THE DESIGN HAS BEEN EXTRACTED FROM THE SEVENTH BEND ESTATE (PRECINTS 2 & 3) SOUTH MELTON 10 SEPT 2020 REF G3696.1 AB REPORT 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 GROUND SCIENCE AND

COPIED TO SPIIRE.

STANDARD KERB PROFILEMS <u>600 B2</u>

- 1. ALL KERB & CHANNEL AS PER GAA STD DRAWING EDCM 301 & 302.
- 2. ALL KERBS AND KERB & CHANNEL TO BE REINFORCED IN ACCORDANCE WITH MUNICIPALITY STD DRAWINGS. 3. ALL KERBS AND KERB & CHANNEL TO HAVE 200mm DEPTH OF CONCRETE BELOW TOP OF PAVEMENT LEVEL.



Approved Date

ISSUED FOR APPROVAL 20/12/21



NOT TO SCALE

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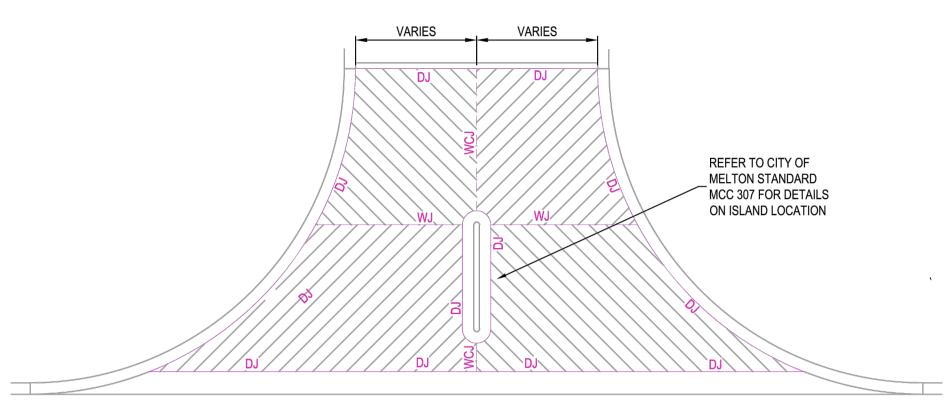
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L6 414 LA TROBE STREET PO BOX 16084 MELBOURNE VICTORIA 8007 AUSTRALIA T 61 3 9993 7888 ABN 55 050 029 635

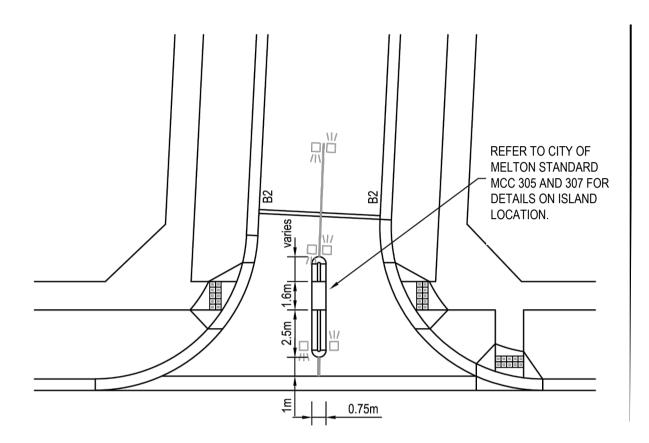
SEVEN^{III} **BEND**

Checked O.TRAORE Authorised M.HOLMES DECEMBER 2021

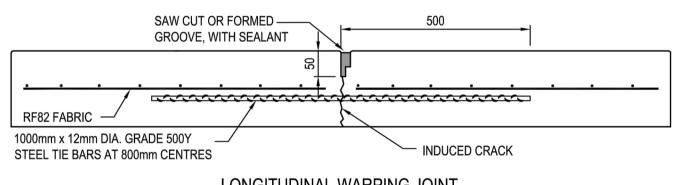
SEVENTH BEND STAGE 14 **ROAD AND DRAINAGE PAVEMENT AND TYPICAL DETAILS - SHEET 1** MELTON CITY COUNCIL EXFORD ROAD MANAGEMENT PTY LTD



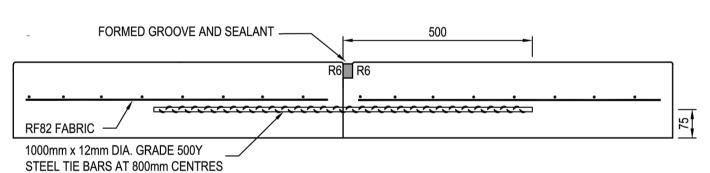
TYPICAL CONCRETE TREATMENT PAVEMENT DETAIL SCALE 1:100



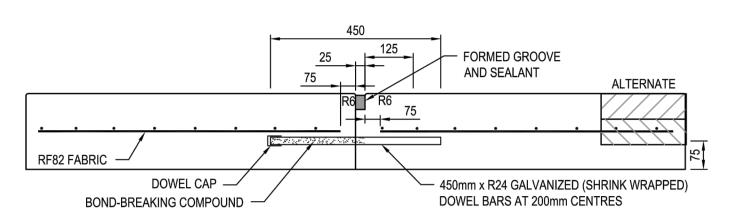
SI3 ISLAND - TYPICAL LAYOUT NOT TO SCALE



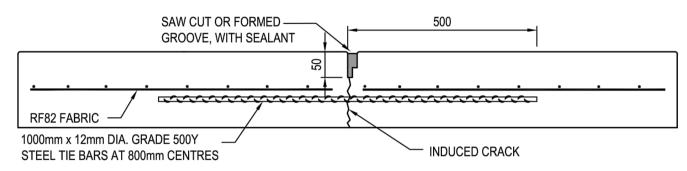
LONGITUDINAL WARPING JOINT WEAKENED PLANE JOINT (WJ)



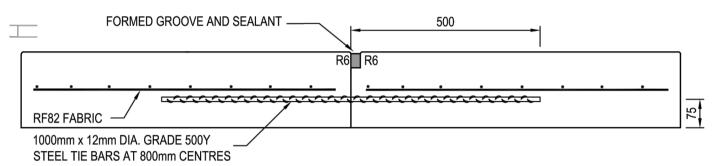
LONGITUDINAL WARPING JOINT CONSTRUCTION JOINT (WCJ)



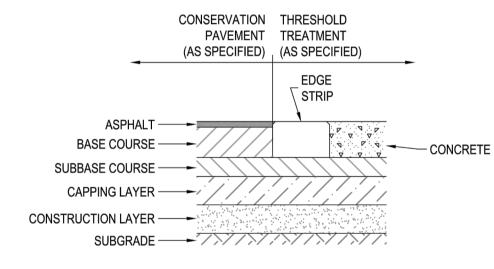
TRANSVERSE CONTRACTION JOINT DOWELLED BUTT JOINT AT CONSTRUCTION JOINT (DJ)



LONGITUDINAL WARPING JOINT WEAKENED PLANE JOINT (WJ)



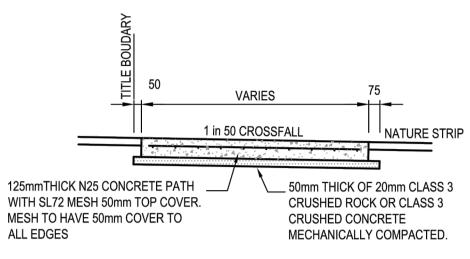
LONGITUDINAL WARPING JOINT CONSTRUCTION JOINT (WCJ)



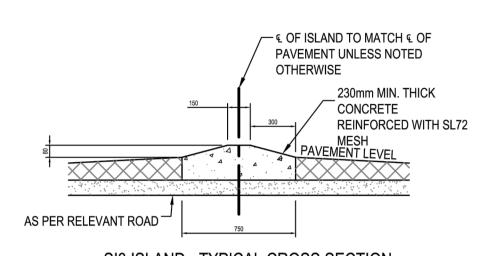
JOINT DETAIL FOR ROAD PAVEMENT & INTERSECTION THRESHOLD TREATMENT NOT TO SCALE

JOINT DETAIL NOTES:

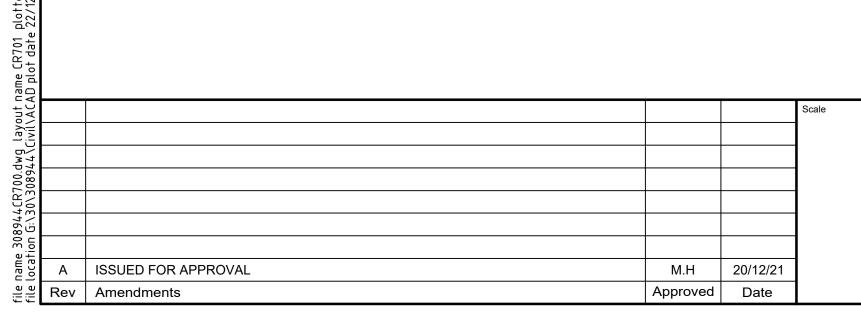
- SAW JOINTS ARE TO BE PLACED AT A MAXIMUM 5m SPACING AT INTERSECTIONS AND CONSTRUCTED 18-24 HOURS AFTER POURING.
- TRANSVERSE/CONTRACTION JOINTS ARE TO BE PLACED AT A MAXIMUM
- SPACING OF 12m. ISOLATION JOINTS ARE TO BE PLACED AROUND PITS.
- ALL JOINTS SHALL BE LOCATED AND SPACED IN ACCORDANCE WITH "CEMENT AND CONCRETE ASSOCIATION OF AUSTRALIA - CONCRETE PAVEMENT DESIGN FOR RESIDENTIAL STREETS 1997".



TYPICAL FOOTPATH CROSS SECTION NOT TO SCALE



SI3 ISLAND - TYPICAL CROSS SECTION NOT TO SCALE (REFER TO CITY OF MELTON STD DWG MCC307)





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Designed Checked O.TRAORE Authorised DECEMBER 2021 M.HOLMES

SEVENTH BEND STAGE 14 ROAD AND DRAINAGE PAVEMENT AND TYPICAL DETAILS - SHEET 2 MELTON CITY COUNCIL EXFORD ROAD MANAGEMENT PTY LTD

