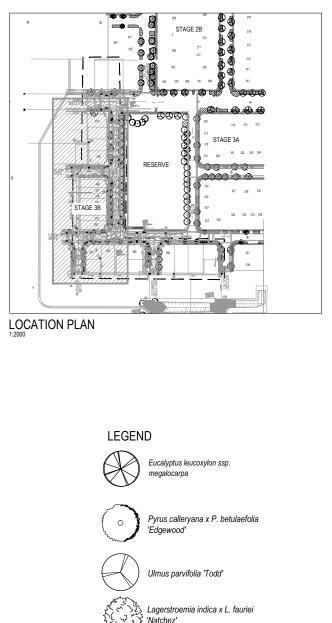


Plotted by: Greg Cater Cad File No: G:\31\28513\CADD\Drawings\Stage 3\AS BUILT\31-28513-L349.dwg Plot Date: 16 March 2014 - 2:59 PM





'Natchez'



Acacia implexa





SEWER COVER



STREET SIGN LOCATION



CROSS OVER





WARNING ALL SERVICES SHOWN ON THIS DRAWING ARE ALL SERVICES SHOWN ON THIS DRAWING ARE APPROXIMATE ONLY AND EXACT LOCATION IS TO BE CONFIRMED ON SITE BY CONTRACTOR PRIOR TO COMMENCEMENT OF ANY WORKS.

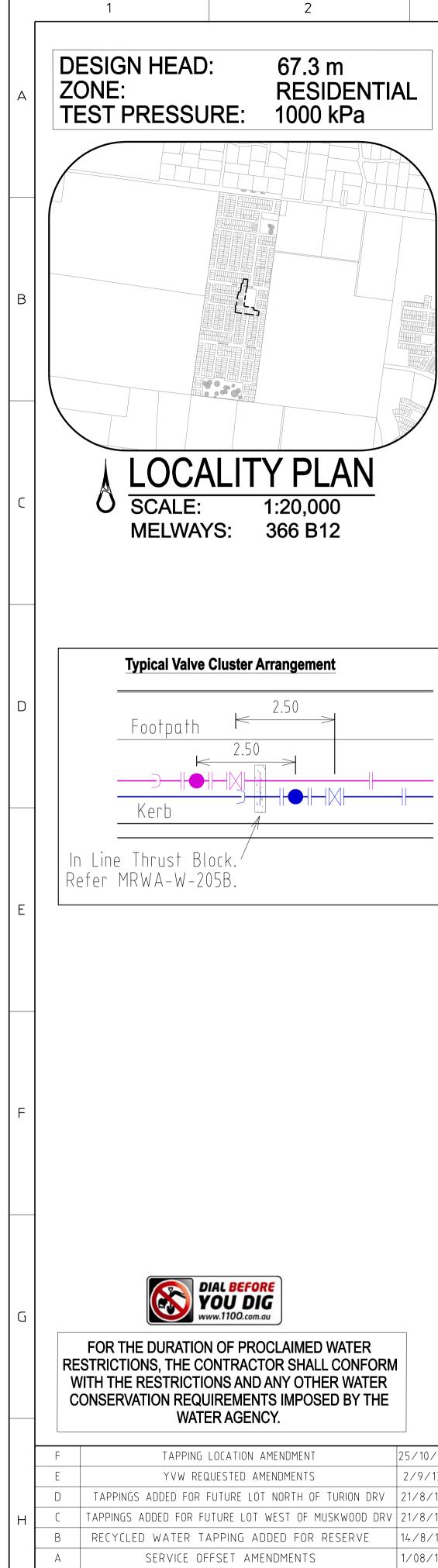




7.5

SCALE 1:250 AT ORIGINAL

Rev: A



1

General Notes:

3

1. Only products approved and catalogued by the Water Agency shall be used.

4

- 2. Works must be constructed according to WSA 03- 2012 MRWA edition. The Contractor shall ensure that they are conversant with all current revisions, amendments and updates that the relevant Water Agency has made to their standards.
- 3. DW and NDW assets shall only be constructed after deeper assets affecting the water mains have been constructed (eg: sewerage & drainage assets).
- 4. This design is to be read in conjunction with drinking water main, road and drainage plans.
- 5. The Contractor shall obtain a road opening permit for any works within the road reserve and comply with all requirements of the road owner.
- 6. For interpretation of the symbols used in this design, refer to drawing MRWA-W-100.

Survey, Set Out and Asset Recording

- 7. Temporary Bench Marks (TBM) for the set out of works to the Australian Height Datum (AHD) are provided in the design drawings.
- 8. All levels are in metres to AHD.
- 9. All co-ordinates are in metres to the Map Grid of Australia (MGA 55-94) unless noted otherwise.
- 10. The Contractor is directly responsible for ensuring the project set out is consistent with the design. Should actual site conditions conflict in any way with that documented, the Contractor shall contact the Superintendent for clarification before proceeding.
- 11. The Contractor is to engage a suitably qualified and experienced Surveyor to undertake asset recording of the work. All surveyor works and data recording shall be undertaken in accordance with the MRWA survey manual.
- 12. All specific pipe materials (eg: PVC-O) shall be indicated in the As Constructed information

Products and Materials

- 13. DW and NDW system components shall be differentiated as per section 4.2 of WSA03-2012 MRWA edition.
- 14. For the Pipe Schedule, refer to TABLE .1.
- 15. For the Pipe Material Schedule, refer to TABLE. 2.

Appurtenances (Fittings)

- 17. All valves and hydrants shall be marked according to drawings MRWA-W-300 and MRWA-W-301.
- 18. Valve surrounds, covers and spindles shall be constructed in accordance with drawing MRWA-W-302.
- 19. Hydrant surface arrangements shall be constructed in accordance with drawings MRWA-W-303.
- 20. Flange and flange bolts shall be constructed in accordance with drawings MRWA-W-306A and MRWA-W-306B.
- 21. For the Hydrant and Washout Schedule, refer to TABLE .3. 22. All valves shall be located directly out from the apex of the splay corner (unless otherwise indicated).

Water Main Alignment, Trenching & Cover

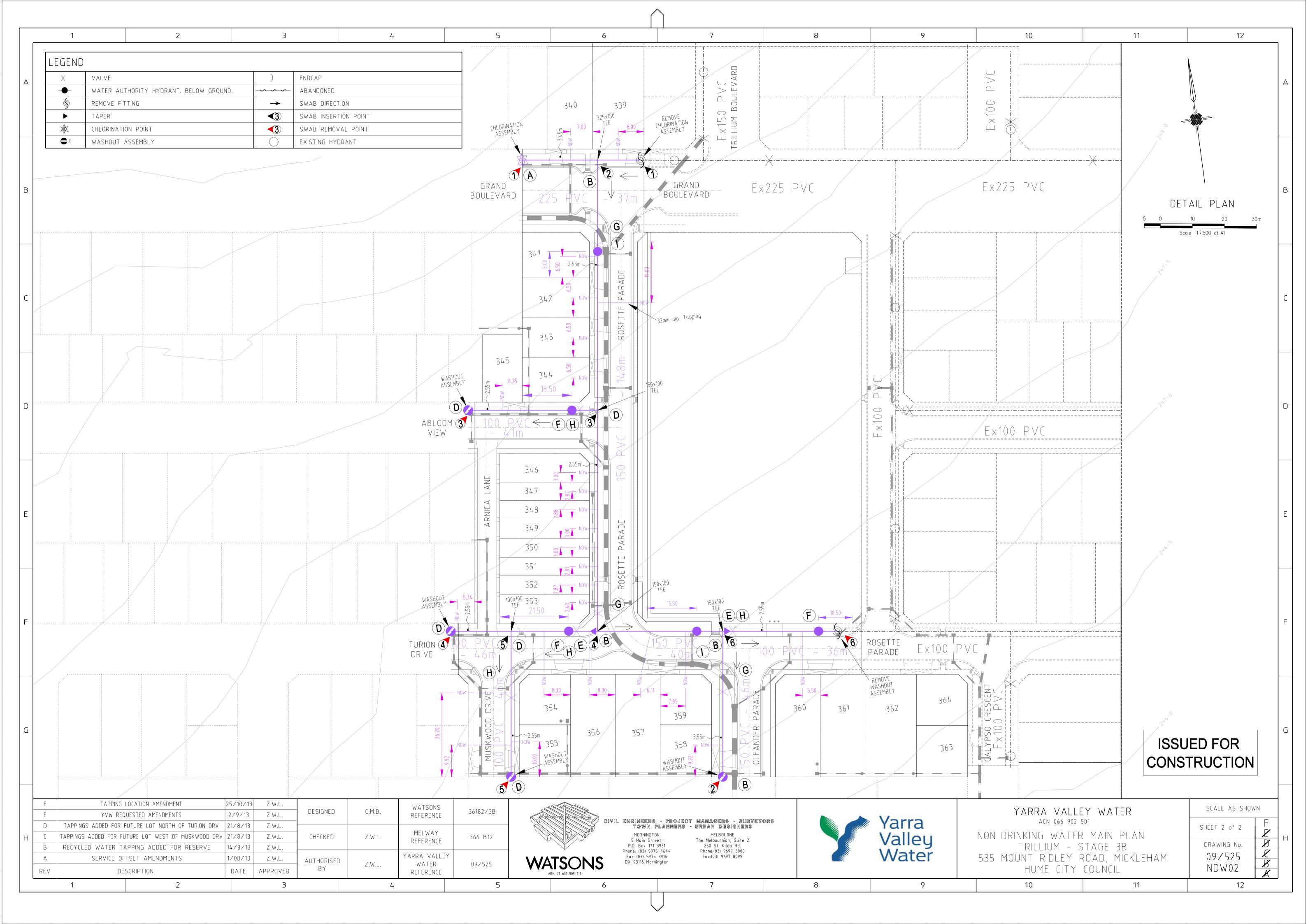
- 23. Trench, pipe placement, embedment and backfill dimensions as per standard drawing MRWA-W-202.
- 24. Offsets of mains from property boundaries shall be; min 600mm (mains < DN100) and min 1m (mains >=DN100).

		1 2		3		4		5
	REV	DESCRIPTION	DATE	APPROVED	ΒY	Z.W.L.	REFERENCE	
	А	SERVICE OFFSET AMENDMENTS	1/08/13	Z.W.L.	AUTHORISED	Z.W.L.	YARRA VALLEY WATER	09/525
	В	RECYCLED WATER TAPPING ADDED FOR RESERVE	14/8/13	Z.W.L.	-			
н	C	TAPPINGS ADDED FOR FUTURE LOT WEST OF MUSKWOOD DRV	21/8/13	Z.W.L.	CHECKED	Z.W.L.	MELWAY REFERENCE	366 B12
	D	TAPPINGS ADDED FOR FUTURE LOT NORTH OF TURION DRV	21/8/13	Z.W.L.				
	E	YVW REQUESTED AMENDMENTS	2/9/13	Z.W.L.	DESIGNED	C.M.B.	REFERENCE	36182/3B
	F	TAPPING LOCATION AMENDMENT	25/10/13	3 Z.W.L.			WATSONS	

6 7		8	9		10)		11		12
				TABLE 1	. New Pipe Schedul	le				
5. All water mains shall pass over drains and sewers unless	43. Of	ffsets to other services shall be as per l	TABLE 5 or otherwise	New W	ork			Drink	king Main	Non-Drinking Main
shown otherwise in the design drawings.	as	s per table 5.5 of WSA03- 2012 MRWA	edition. These	Size (DN) Ty	уре	Clas	ss L	Length	Length
		earances shall apply to surface covers and erground assets.	as well as	22	25 PVC-	O or PVC-M	16	;	-	37m
		ertical Clearances from other services s	shall be as per TABLE .7	15	io PVC-	O or PVC-M	16	;	-	234m
 Mains shall be aligned in accordance with the Services Alignment Schedule (Refer to TABLE .5). 	Testin	ng, Asset Acceptance and Live Conn	ections	10		O or PVC-M	16		-	169m
mbedment		ost construction activities (of both DW &	,	63 50	-	PE80 PE80	12.5 12.5		-	-
8. For trafficable and non-trafficable embedment refer		wabbing, water quality testing, pressure nlorination shall be carried out in accord	•	4		PE80	12.		-	
MRWA-W-201.	W	/SA03-2012 MRWA edition and the MR	WA Water Quality	2	5 F	PE80	12.	.5 Proper	rty Services	Property Services
		ompliance Specification. All test results nd reported to the Superintendent.	shall be documented	TABLE 2	. Pipe Material Sche	edule				
				MA	TERIAL	Refe	erence	MATERIAL		Reference
 Embedment shall be placed as per drawings MRWA-W-201 and MRWA-W-202. 	46 Th	e Contractor &/or Consultant shall prov	vide 5 days notice		VC-M		PS-209	PE (retic & sub		WSA-PS-207
Backfill		the Superintendent prior to testing being	•		VC-0		PS-210	PE (property se		WSA-PS-215
0. For trafficable and non-trafficable backfill refer					. Hydrant & Washou		•			,
MRWA-W-201. Any other backfill material to be approved by road authority.	47. Ur	nless otherwise informed, all NDW mai	n to meter		e Fitting Type	Ownership	Location			
··· , ·	co	onnections shall be inspected by the Wa	ater Agency, with the	225 150	CHLORINATION WASHOUT	NDW - YVW			D Front PARADE Front	of Future Lot
		ater Agency being notified at least 5 da onnection .	ays prior lo	100	WASHOUT	NDW - YVW				of Future Lot
1. Compaction trials and compaction testing shall be undertaken				100	WASHOUT	NDW - YVW				of Future Lot
in accordance with the MRWA Backfill Specifications. hrust Restraint	Δ١١	I main to meter service connections are	e to	100	WASHOUT	NDW - YVW	End of Line	MUSKWOOD	D DRIVE Front	of Lot 355
17 Strain 82. For the Thrust Restraint Schedule, refer to TABLE .6.	rei	main exposed until inspected by the		100	HYDRANT	NDW - YVW	In Line	ABLOOM VIE	EW South	of Lot 344
3. Construct concrete thrust restraints as per drawings	Wa	ater Agency compliance officer.		100	HYDRANT	DW - YVW	In Line	TURION DRI		of Lot 353
MRWA-W- 205A, 205B and 308.	48. W	/ith each NDW connection, the Contrac	tor must supply a	150	HYDRANT	DW - YVW	In Line	ROSETTE P		of Lot 341
34. Timber / Recycled plastic blocks as per drawings		gned pre-inspection checklist.	······································	150	HYDRANT		In Line	ROSETTE PA		of Lot 359
MRWA-W-204 and MRWA-W-206.	40 -		nue medice de di-	100	HYDRANT	DW - YVW	In Line	ROSETTE PA	ARADE North	of Lot 361
35. Thrust restraints have been designed on the basis of the AHBP (ground strength) nominated in TABLE 6. The	strength) nominated in TABLE 6. The Superintendent prior to connecting new works to the existing network. Shut down work shall be scheduled for 9am						Schedule			
Contractor shall confirm the actual ground conditions (using standard drawing MRWA-W-200 as a guide) and discuss with							ffset / Radius (i	m) Total Dina La	anath (m)	Pipe Lengths (m)
the Superintendent any ground conditions which are found to	WE	eekdays and be completed within 480 r	minutes.	Location Method Offset / Radius (m) Total Pipe Length (m) Pipe Lengths (m)						
be different to that nominated.										
		alves connecting new assets to the Wat	• •	TABLE 5.	Service Alignment	Schedule (offse	ets in m)		I	
wanautu Bardana	sy	stem shall not be operated by the Cont		Location		Water	ND-Water	Gas NBN	Elec	Poles BOK
roperty Services 6. Property Services to the end of service shall be constructed as				GRAND	BOULEVARD	4.05 N	3.45 N	2.95 N 2.775 S	S 3.175 S	
per drawings MRWA-W-110 and MRWA-W-111.				ROSET				2.05 W/N 1.775 E		
37. NDW property services shall always be located on the left of						1 9 116 N	2.55 N	2.05 N 1.775 S	S 2.60 S	
the DW property service as you look from the road to the front				ABLOO	N DRIVE	3.05 N 3.05 N			S 2.60 S	- -
				TURION		3.05 N 3.05 N 3.05 E	2.55 N	2.05 N 1.775 S 2.05 E 1.775 V		
the DW property service as you look from the road to the front of the property.				TURION MUSKW OLEANI	N DRIVE VOOD DRIVE DER BOULEVARD	3.05 N 3.05 E	2.55 N 2.55 E	2.05 N 1.775 S	W 2.60 W	
the DW property service as you look from the road to the front of the property. Connections (All types) 8. Connection of >= DN100 offtakes to existing mains shall be as				TURION MUSKW OLEANI ARNICA	N DRIVE VOOD DRIVE DER BOULEVARD A LANE	3.05 N 3.05 E 4.05 W -	2.55 N 2.55 E	2.05 N 1.775 S 2.05 E 1.775 V	W 2.60 W	
 the DW property service as you look from the road to the front of the property. Connections (All types) Connection of >= DN100 offtakes to existing mains shall be as indicated in the design drawings and as per drawing 				TURION MUSKW OLEANI ARNICA TABLE 6.	N DRIVE VOOD DRIVE DER BOULEVARD A LANE Thrust Restraint So	3.05 N 3.05 E 4.05 W - chedule	2.55 N 2.55 E 3.55 W -	2.05 N 1.775 S 2.05 E 1.775 V 3.05 W 1.775 E - -	W 2.60 W E 2.60 E -	
 the DW property service as you look from the road to the front of the property. Connections (All types) 8. Connection of >= DN100 offtakes to existing mains shall be as indicated in the design drawings and as per drawing MRWA-W-106. 69. Connection of DN40, 50 & 63 PE offtakes shall be as per 		BEWARE OF UNDERGROU	JND SERVICES	TURION MUSKW OLEANI ARNICA	N DRIVE VOOD DRIVE DER BOULEVARD A LANE	3.05 N 3.05 E 4.05 W - chedule	2.55 N 2.55 E 3.55 W -	2.05 N 1.775 S 2.05 E 1.775 V 3.05 W 1.775 E 	W 2.60 W E 2.60 E -	g (kPa) USED
 the DW property service as you look from the road to the front of the property. Connections (All types) 8. Connection of >= DN100 offtakes to existing mains shall be as indicated in the design drawings and as per drawing MRWA-W-106. 			JND SERVICES ND SERVICES ARE	TURION MUSKW OLEANI ARNICA TABLE 6. Location A	N DRIVE VOOD DRIVE DER BOULEVARD A LANE Thrust Restraint So Type	3.05 N 3.05 E 4.05 W - chedule -W-308	2.55 N 2.55 E 3.55 W -	2.05 N 1.775 S 2.05 E 1.775 V 3.05 W 1.775 E n (m) Width (m) Qu A N/A	W 2.60 W E 2.60 E - uantity Fitting	g(kPa) USEDORIN50
 the DW property service as you look from the road to the front of the property. Connections (All types) Connection of >= DN100 offtakes to existing mains shall be as indicated in the design drawings and as per drawing MRWA-W-106. Connection of DN40, 50 & 63 PE offtakes shall be as per drawing MRWA-W-107. Property Service Connections as per drawing MRWA-W-111. All property service connections to new residential non PE 		BEWARE OF UNDERGROU THE LOCATION OF UNDERGROU APPROXIMATE ONLY AND THEIR SHOULD BE PROVEN ON SITE. N	JND SERVICES ND SERVICES ARE EXACT POSITION NO GUARANTEE IS	TURION MUSKW OLEANI ARNICA TABLE 6. Location A B D	N DRIVE VOOD DRIVE DER BOULEVARD A LANE Thrust Restraint So Type Detail E, MRWA Detail A-D, MRWA	3.05 N 3.05 E 4.05 W - chedule -W-308 -W-205B	2.55 N 2.55 E 3.55 W - ea (m²) Depth 1.06 N/A 0.50 N/A 0.24 N/A	2.05 N 1.775 S 2.05 E 1.775 V 3.05 W 1.775 E A N/A A N/A A N/A A N/A	W 2.60 W E 2.60 E - - uantity Fitting 1 225 CHL 4 150 TEE 5 100 TEE	(kPa) USED ORIN 50 /CAP 50 /CAP 50
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WARNING	
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ONSTRUCTED FROM ASBESTOS CON	NTAINING
TERIAL. CONTACT THE SUPERINTENI	DENT FOR
RUCTIONS ON HOW TO MANAGE ANY	POTENTIAL
ASBESTOS HAZARD	







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GENERAL NOTES

UNLESS NOTED OTHERWISE 1. ALL LEVELS AND DIMENSIONS ARE IN METRES (UNO).

- 2. ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE RELEVANT STANDARDS, DRAWINGS AND SPECIFICATIONS OF THE RELEVANT MUNICIPAL AND STATUTORY AUTHORITIES (CURRENT AT THE TIME OF CONSTRUCTION), AND THE AUSTRALIAN STANDARD GENERAL CONDITIONS OF CONTRACT AS 2124-1992.
- 3. THE CONTRACTOR SHALL CHECK LOCATION AND DEPTH OF ALL EXISTING SERVICES, INCLUDING THOSE WHICH MAY HAVE BEEN ABANDONED, PRIOR TO THE COMMENCEMENT OF ANY WORKS. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER.
- 4. FINAL LOCATION OF SERVICE CONDUITS, HOUSE DRAINS AND VEHICLE CROSSINGS SHALL BE DETERMINED ON-SITE BY THE ENGINEER WHERE REQUIRED. CONDUITS FOR GAS AND WATER ARE TO BE A MINIMUM OF 4 METRES CLEAR OF SIDE BOUNDARIES WHERE PRACTICAL. WATER SERVICE LOCATIONS TO BE DETERMINED IN CONJUNCTION WITH WATERMAIN SUBCONTRACTOR.
- 5. THE WORKS ARE TO INCLUDE THE COMPLETE GRADING AND REINSTATEMENT OF DISTURBED AREAS, INCLUDING RESURFACING WITH 150MM MINIMUM DEPTH OF APPROVED TOPSOIL, SOWN TO THE SATISFACTION OF THE ENGINEER.
- 6. THE PLANS OF SUBDIVISION CERTIFIED BY COUNCIL ARE AN ANNEXURE TO THESE DRAWINGS.
- 7. STANDARD DRAWINGS ISSUED BY COUNCIL ARE AN ANNEXURE TO THESE DRAWINGS.
- 8. MELBOURNE WATER PLANS FOR THE ADJACENT WETLAND & OPEN WATER BODY ARE AN ANNEXURE TO THESE DRAWINGS.
- 9. ALL DRAINAGE PIPES WITHIN EASEMENTS ARE AT 1 METRE CENTRELINE OFFSET UNLESS NOTED OTHERWISE.
- 10. PERMISSION IS TO BE OBTAINED FROM THE WATER COMPANY FOR THE USE OF WATER SUPPLY FOR CONSTRUCTION PURPOSES.
- 11. THE 'SCHEDULE OF QUANTITIES' ARE AN ANNEXURE TO THESE DRAWINGS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THAT THE 'SCHEDULE OF QUANTITIES' ACCURATELY REFLECTS THE INFORMATION DETAILED IN THESE PLANS. ALL DISCREPANCIES SHOULD BE REPORTED BACK TO THE ENGINEER PRIOR
- 12. THESE PLANS ARE FOR SUBDIVISION CONSTRUCTION PURPOSES ONLY.
- 13. THESE PLANS MAY NOT BE REPRODUCED EXCEPT IN FULL.

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18/09/13	К	COUNCIL REQUESTED AMENDMENTS	ASC	DRAWN:	C.M.B	DATE: MAY 2013	WATSONS	ſ
17/09/13	J	COUNCIL REQUESTED AMENDMENTS	ASC	DESIGNED:	Z.W.L	DATE: MAY 2013	ABN 47 637 509 613	
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ET INDEX

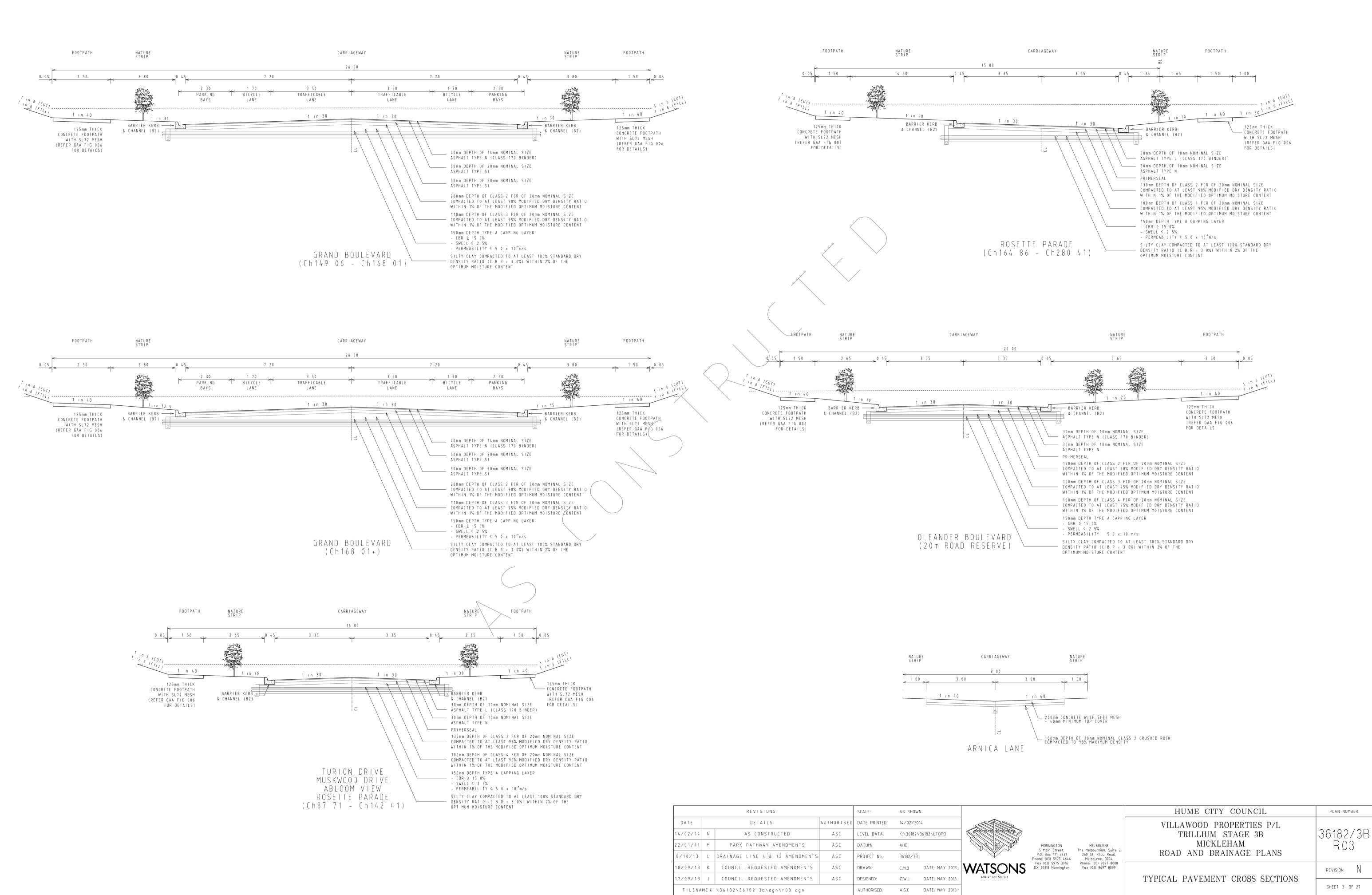
GENERAL NOTES CITY COUNCIL NOTES IONS TABLE KERB PROFILES & CURVE SETOUT TABLE OF KERB PROFILES . & CROSS SECTIONS ONS & CROSS SECTIONS NS CROSS SECTIONS CROSS SECTIONS . & CROSS SECTIONS INAL & CROSS SECTIONS CROSS SECTIONS ONS ONS & TYPICAL STORMWATER DRAINAGE TEMPORARY OUTLET

TO SIGNING OF CONTRACTS. NO ALLOWANCES WILL BE MADE FOR DISCREPANCIES ONCE CONTRACTS HAVE BEEN SIGNED.

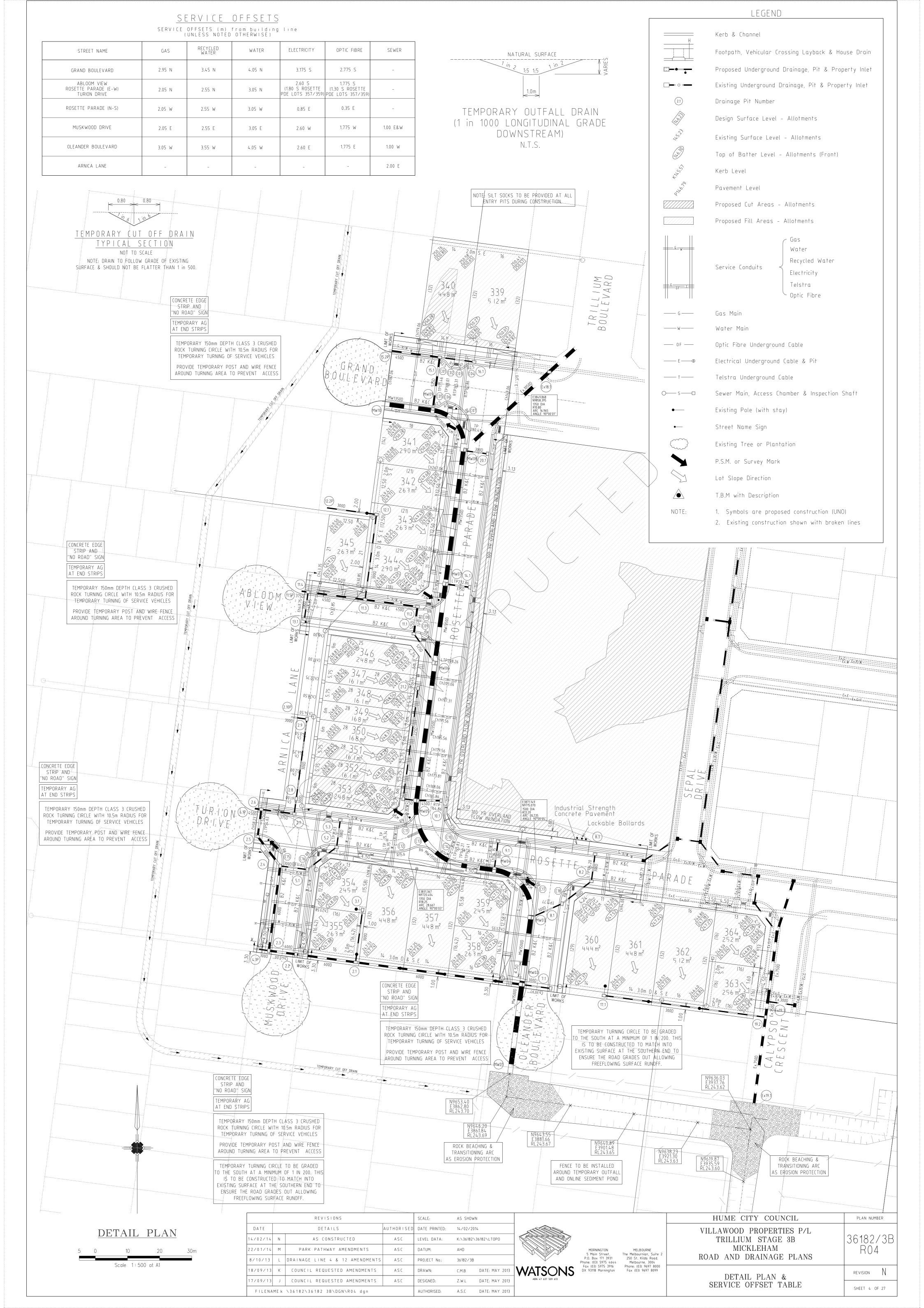
P.O. Box 171 3931 250 St. Kilda Road Phone: (03) 5975 4644 Melbourne, 3004		HUME CITY COUNCIL	PLAN NUMBER
	The Melbournian, Suite 2 250 St. Kilda Road, Melbourne, 3004	VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 3B MICKLEHAM ROAD AND DRAINAGE PLANS	36182/3B R 01
Fax (03) 5975 3916 DX 93118 Mornington	Phone: (03) 9697 8000 Fax (03) 9697 8099	LOCALITY PLAN, SHEET INDEX	revision
		& GENERAL NOTES	SHEET 1 OF 27

	HUME CITY COUNCIL NOTES		SITE
1	ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH HUME CITY COUNCIL STANDARD DRAWINGS, SPECIFICATIONS, APPROVED PLANS AND TO THE SATISFACTION OF THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE.	23 ALL SERVICE CONDUITS TRENCHES UNDER ROAD PAVEMENTS ARE TO BE BACKFILLED WITH 20mm 3% CEMENT TREATED CLASS 3 CRUSHED ROCK COMPACTED TO A DENSITY NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY	1 ALL CONSTRUCTION TRAFFIC, STORAGE THE FUTURE STAGE AREA IS TO BE KE
2	COUNCIL TO BE NOTIFIED SEVEN (7) CLEAR WORKING DAYS PRIOR TO THE	VALUE DETERMINED BY THE MODIFIED COMPACTION TEST IN ACCORDANCE WITH A. S. 1289. 5. 2. 1–2003.	2 THE CONTRACTOR SHALL BE RESPONSIE CONSTRUCTION AND MAINTENANCE PERI
	COMMENCEMENT OF WORKS WITH A PRECOMMENCEMENT MEETING BEING HELD BETWEEN HUME CITY COUNCIL, THE CONSULTANT AND THE CONTRACTOR BEFORE WORKS COMMENCE. A SITE MANAGEMENT PLAN IS TO BE SUBMITTED PRIOR TO COMMENCEMENT OF WORKS AND PRIOR TO AN ONSITE PRECOMMENCEMENT	24 ALL STORMWATER DRAINS ARE TO BE CLASS 2 R.C. OR RIGID F.R.C PIPES WITH ADCOL FLEXIBLE COLLARS UNLESS NOTED OTHERWISE. ALL PIPES UP TO AND INCLUDING 600mm DIA. ARE TO BE RUBBER RING JOINTED. INTERLOCKING / FLUSH	
3	MEETING. PRIOR TO COMMENCEMENT OF THE WORKS, THE CONTRACTOR SHALL PROVIDE	JOINTS WITH EXTERNAL BANDS CAN ONLY BE USED ON PIPE SIZES OVER 600mm DIA 25 WHERE NEW ASPHALT, CONCRETE K & C, PATHS AND DRIVEWAYS MATCH INTO	4 ALL SERVICES TRENCHES UNDER PAVEM
	THE FOLLOWING INFORMATION: a) SOURCE OF QUARRY MATERIAL b) N. A. T. A. APPROVED TESTS RESULTS FOR THE F. C. R. THAT IS TO BE USED	EXISTING, THE EXISTING SURFACE IS TO BE SAW CUT AND MATCHED NEATLY. 26 ALL REDUNDANT ASSETS ARE TO BE REMOVED AND DISPOSED OFF SITE.	5 ANY CYPRESS OR PINE TREES MUST BE WORKS, AND COUNCIL'S LANDSCAPE OF
	c) IF THE SOURCE OF THE QUARRY MATERIAL IS CHANGED DURING THE COURSE OF THE WORKS, THEN NEW TEST RESULTS SHALL BE PROVIDED.	27 ALL TREES AND SHRUBS ARE TO BE RETAINED UNLESS OTHERWISE SHOWN OR DIRECTED BY THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE.	OR RETENTION OF ANY OTHER TREES. 6 AG. DRAIN TO BE CONSTRUCTED BEHIN
4	PRIOR TO COMMENCEMENT OF WORKS ON SITE, THE CONTRACTOR MUST ENSURE THAT ALL MATTERS RELATING TO THE OCCUPATIONAL HEALTH AND SAFETY ACT 1985, HAVE BEEN AND WILL BE COMPLIED WITH	28 AT THE COMPLETION OF ALL WORKS, ALL RUBBISH, DEBRIS AND SURPLUS SPOIL SHALL BE REMOVED AND THE SITE SHALL BE CLEARED TO THE SATISFACTION OF	7 ALL DRAINAGE PIPES GREATER THAN 1
5	ON COMMENCEMENT OF CONSTRUCTION WORKS, THE CONTRACTOR MUST COMPLY WITH THE RECOMMENDATIONS OF THE ENVIRONMENT PROTECTION	THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE.	8 ACCESS TO EXISTING RESIDENCE TO E 9 ALL DRAINAGE LINES UNDER PAVEMENT
	AUTHORITY PUBLICATION "CONSTRUCTION TECHNIQUES FOR SEDIMENT POLLUTION CONTROL." APPROPIATE SILTATION CONTROL IS TO BE MAINTAINED THROUGHOUT THE CONSTRUCTION AND MAINTENANCE PERIOD OF THE WORKS.	PAVEMENT SUBGRADE LEVEL WITH 20mm CLASS 2 F.C.R. COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY VALUE DETERMINED BY THE MODIFIED COMPACTION	OF BACK OF KERB ARE TO BE BACKFIL 10 APPROPRIATE INSPECTIONS SHALL BE
6	THE DISPOSAL SITE FOR SPOIL REMOVAL FROM SITE AND TRUCK ROUTE IS TO BE	TEST IN ACCORDANCE WITH A.S. 1289.5.2.1-2003. 30 PAVEMENT DEPTH SPECIFIED IS A MINIMUM DEPTH AND MAY BE VARIED BY THE	11 REFER SEPARATE PLAN FOR WORKS ASS TELSTRA AND GAS SUPPLY. THESE SER
_	SUBMITTED TO AND APPROVED BY THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE IN WRITING PRIOR TO THE COMMENCEMENT OF ANY WORKS	CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE. SOFT SPOTS SHALL BE EXCAVATED TO A PROOF ROLLED BASE AND BACKFILLED WITH APPROVED MATERIAL COMPACTED IN 150mm LAYERS TO ACHIEVE TO A DENSITY NOT LESS	BE SUBJECT TO MINOR VARIATIONS 12 THE CONTRACTOR SHALL BE RESPONSI
/	WHERE WORKS ARE IN THE VICINITY OF EXISTING SERVICES, THESE SERVICES ARE TO BE LOCATED AND EXPOSED/PROVED PRIOR TO COMMENCEMENT OF WORKS, AND THE RELEVANT AUTHORITIES NOTIFIED SEVEN (7) CLEAR DAYS PRIOR TO THE	THAN 95% OF THE MAXIMUM DRY DENSITY VALUE DETERMINED BY THE STANDARD COMPACTION TEST IN ACCORDANCE WITH A.S. 1289.5.1.1-2003.	RETICULATION ELECTRICITY AND COMM13MINIMUM FALL ON ALL LOTS TO BE
8	COMMENCEMENT OF THE WORKS. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.	31 ALL EXISTING ASSETS AFFECTED BY THE WORKS, EG SIGNS, VEHICLE CROSSINGS, FOOTPATHS, KERB AND LINEMARKING SHALL BE REINSTATED BY THE CONTRACTOR PRIOR TO THE COMPLETION OF THE WORKS TO THE SATISFACTION	14 PAVEMENT DEPTH TO BE MODIFIED AS
9	ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD).	OF THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE. 32 ALL FIRE HYDRANTS ARE TO BE MARKED IN ACCORDANCE WITH "IDEN IFICATION"	15 USE OF ANY SOFT RIPPED ROCK IN RO 16 ALL WORKS TO BE CARRIED OUT IN A
1 (THE CONTRACTOR MUST ARRANGE THE REQUISITE INSPECTIONS OF THE WORKS WITH THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE AS PER THE HOLD POINTS IN THE HUME CITY COUNCIL SPECIFICATIONS.	OF STREET HYDRANTS FOR FIREFIGHTING PURPOSES" PUBLICATION (DEVELOPED BY C. F. A., M. F. E. S. B & N. R. E.). MARKINGS TO BE VIA BLUE PAVEMENT MARKER AN A (RED TOPPED) WHITE POST.	AND STANDARD DRAWINGS AND TO TH
1	FILL AREAS TO BE STRIPPED OF TOPSOIL, FILLED AND TOPSOIL REPLACED TO OBTAIN FINAL FILL LEVELS AS SHOWN ON PLAN. FILLING IS TO BE CLEAN CLAY	33 AGRICULTURAL DRAINS ARE TO BE PLACED BEHIND ALL KERB AND CHANNEL, KERB ONLY AND EDGE STRIPS IN ACCORDANCE WITH COUNCIL STANDARD	18 THE CONTRACTOR SHALL CONTACT JEME
	COMPACTED TO A DENSITY NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY VALUE DETERMINED BY THE STANDARD COMPACTION TEST IN ACCORDANCE WITH A S. 1289 5.1.1-2003.	DRAWINGS. 34 ALL TABLE DRAINS AND VERGES ARE TO BE REINSTATED UPON COMPLETION OF	OF ELECTRICAL WORKS, AT LEAST 28 WORKS
1 :	FILLING TO COMPLY WITH A.S. 3798-1996 APPENDIX B, LEVEL 1 (OR 2) AS SPECIFIED.	WORKS TO THE SATISFACTION OF THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE.	19 THE CONTRACTOR SHALL CONTACT TEL (03) 9632 6384 FOR THE COORDINATI TO THE COMMENCEMENT OF CONSTRUCTI
1 :	THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL IMPORTED FILL MATERIAL, INCLUDING TOPSOIL, SATISFIES THE DESCRIPTION FOR CLEAN FILL	35 ALL TRAFFIC CONTROL MEASURES, SIGNS AND LINEMARKING SHALL BE IN ACCORDANCE WITH A.S. 1742 - 1, 2 & 3. STREET NAME SIGNS ARE TO BE IN ACCORDANCE WITH STANDARD DRAWING SD408.	20 TELSTRA AND ELECTRICITY CABLES AR
	MATERIAL IN EPA BULLETIN PUBLICATION NO 448 (SEPT '95) AND SUBSEQUENT REVISIONS. THE CONTRACTOR SHALL IF REQUIRED PROVIDE VERIFICATION INCLUDING TEST CERTIFICATES TO THE CHIEF EXECUTIVE OFFICER AND/OR THEIR	36 ALL LINEMARKING PAINT SHALL BE LONG LIFE TYPE IN ACCORDANCE WITH SECTION 95C OF THE HUME CITY COUNCIL SPECIFICATIONS LATERAL WORKS AND	21 ALL BATTERS SHALL BE BLENDED IN ENGINEER, 03M BERM REQUIRED AT
1 .	R E P R E S E N T A T I V E.	ARROWS BEING COLD APPLIED PLASTIC TROWELLED INTO PLACE (MATERIAL DEGADUR PLASTELINE) AND LONG TUDINAL LINES BEING EXTRUDED THERMOPLASTIC MATERIAL	22 DRIVEWAYS ARE TO BE CUT ONTO ALL HIGHER THAN 0.70M. CUT BATTERS A GRASS, HAY, STRAW AND BITUMINOU
1	WHERE, AS A CONDITION OF THE PLANNING PERMIT OR AS A RESULT OF THE PRECONSTRUCTION MEETING, FENCING OF AREAS CONTAINING TREES, NATIVE GRASSES AND SHRUBS IS REQUIRED, A THREE STRAND STAR PICKET AND WIRE FENCE SHALL BE CONSTRUCTED.	37 ALL SIGNS TO BE CLASS HIGH INTENSITY TYPE AND TO COMPLY WITH THE REQUIREMENTS OF A.S. 1743 = 2001.	23 INVERT LEVEL OF PROPERTY INLETS T HUME CITY COUNCIL STANDARDS.
1.	NO TREE OR NATIVE VEGETAION IS TO BE DISTURBED OR REMOVED WITHOUT PRIOR APPROVAL FROM COUNCILS SUSTAINABLE ENVIRONMENT DEPARTMENT.	38 HOUSE DRAIN CONNECTIONS TO 150mm DIAMETER PIPES TO BE VIA A MANUFACTURED JUNCTION PIECE. 150mm DIAMETER STORMWATER PIPES ARE	24 SIGNS, MARKINGS AND DELINEATORS AS1742 2. ALL LINE MARKING TO BE
	ANY TREES REMOVED, VEGETATION OR OTHER MATERIALS ARE NOT TO BE BURNT ON SITE	TO BE HEAVY DUTY SEWER GRADE. PVC PIPES SHALL BE BACKFILLED WITH 10mm MINUS F. C. R. TO, 150mm ABOVE TOP OF PIPE IN ALL LOCATIONS.	AND TRANSVERSE MARKINGS IN COLD A 25 STREET SIGNS ARE TO BE TO CURRENT
1 (BEFORE COMMENCING WORK ON TRENCHES IN EXCESS OF 1.5m DEEP, NOTICE OF SUCH PROPOSAL IS TO BE FORWARDED BY THE CONTRACTOR TO WORKSAFE VICTORIA	39 100mm HOUSE DRAIN CONNECTIONS TO BE LAID AT AN OFFSET OF 5.0m FROM THE LOW SIDE TITLE BOUNDARY AND PROPERTY INLETS 1.0m FROM THE LOW CORNER OF THE LOT UNLESS OTHERWISE SHOWN.	LOGO. 26 REFER TO SHEET 4, 5 & 6 FOR PSM L
1 '	THE CONTRACTOR IS TO OBTAIN A BUILDING PERMIT FOR ANY STRUCTURES / FENCES AND FOR ANY RETAINING WALLS OVER 1.0m IN HEIGHT.	40 BLASTING GENERALLY IS NOT ENCOURAGED, HOWEVER BLASTING MAY BE REQUIRED AS A LAST RESORT DEPENDING ON GROUND CONDITIONS	27 CONDUIT LOCATIONS AND HOUSE DRAIN CONCRETE WORKS IN ACCORDANCE WITH
1 8	ANY INFRASTRUCTURE DAMAGE DURING THE DEFECTS LIABILITY PERIOD IS THE RESPONSIBILITY OF THE DEVELOPER OR HIS REPRESENTATIVE AND IS TO BE	COUNCIL IS TO BE NOTIFIED IN WRITING IF ANY BLASTING IS NECCESARY. RESIDENTS LIKELY TO BE AFFECTED BY THE BLASTING AND ALL SERVICE AUTHORITIES SHALL BE NOTIFIED IN WRITING PRIOR TO WORKS COMMENCING.	28 ALL PIT LIDS ARE TO BE TO CURRENT
	REINSTATED TO THE SATISFACTION OF THE CHIEF EXECUTIVE OFFICER OR HIS REPRESENTATIVE.	COPIES OF THESE NOTIFICATIONS ARE TO BE SUBMITTED TO COUNCIL. RESIDENT NOTIFICATION LETTER IS TO INCLUDE BLASTING GUIDELINES, FIRING AND MISFIRE PROCEDURES AND CONTRACTOR AND CONSULTANT CONTACT	29 ALL VEHICLE CROSSINGS SHOWN ARE I HUME CITY COUNCIL STANDARDS.
1 0	ALL DISTURBED AREAS, ie, NATURESTRIPS, BATTERS, ALLOTMENTS & RESERVES, ARE TO BE REINSTATED TO A CLEAN, TIDY CONDITION, TOP DRESSED (100mm LOAMY TOP SOIL FREE OF CLUMPS, SODS AND CLAY LUMPS) AND SOWN WITH	NAMES AND PHONE NUMBERS. ALL BLASTING IS TO BE WITHIN THE LIMITS FOR AIR AND GROUND VIBRATION LEVELS AS SET DOWN IN A.S. 2187.2-1993.	30 TACTILE INDICATORS TO BE PROVIDED IN ACCORDANCE WITH AUSTRALIAN STA
	GRASS SEED. SEED IS TO BE A DROUGHT TOLERANT COUCH/FESCUE MIX UNLESS OTHERWISE DETAILED BLEND IS GENERALLY AS FOLLOWS:	ALL BLASTS SHALL BE MONITORED FOR AIR AND NOISE VIBRATION AT POTENTIALLY AFFECTED RESIDENCES. "FORM A" FROM AS 2187.2-1993, AND	31 PEDESTRIAN CROSSINGS THROUGH ALL 32 ALL PIT FLOORS WITH LESS THAN 30M
	40% Dwarf Tall Fescue – drought tolerant cultivars 40% Couch 20% Hard Fescue	WAVE TRACE COPIES ARE TO BE SUBMITTED TO COUNCIL FOR EACH BLAST. BLASTING IS TO BE RESTRICTED TO BETWEEN 9:00am AND 3:30pm. BLASTING IS NOT TO OCCUR ON WEEKENDS OR PUBLIC HOLIDAYS.	ALLOWANCE FOR TOLERANCE HAS BEEN HUME CITY COUNCIL STANDARDS.
	NOTE: GRASS IS TO BE ESTABLISHED PRIOR TO THE END OF THE MAINTENANCE PERIOD.	BLASTING AREA SIGNS ARE TO BE PLACED AT ALL ENTRANCES TO THE SITE.	33 WHERE ANY EXISTING DAMS, OPEN DRA MUST BE TAKEN PRIOR TO COMMENCEME PLANS
2 (FOOTPATHS ARE TO BE 50mm OFFSET FROM TITLE BOUNDARIES UNLESS NOTED OTHERWISE. VEHICLE CROSSING ALIGNMENTS ARE GENERALLY TO BE PARALLEL TO THE SIDE BOUNDARY.	REVISIONS DATE DETAILS	AUTHORISED DATE PRINTED: 14/02/2014
2	ALL NEW CONCRETE WORKS SHALL BE JOINED INTO ABUTTING EXISTING CONCRETE WITH 450mm LONG Y20 DOWEL BARS 170600 CENTRES, UNLESS OTHERWISE SPECIFIED.	14/02/14NAS CONSTRUCTED22/01/14MPARK PATHWAY AMENDMENTS	A S C LEVEL DATA: K:\36182\36182\LTOPO
2 2	OTHERWISE SPECIFIED. ANY EXPOSED AGGREGATE CONCRETE WORKS TO BE ACHIEVED BY SANDBLASTING ONLY. WASHING AGGREGATE OFF WITH WATER IS NOT PERMITTED	8/10/13 L DRAINAGE LINE 4 & 12 AMENDMEN 18/09/13 K COUNCIL REQUESTED AMENDMENTS 17/09/13 L COUNCIL REQUESTED AMENDMENTS	ASC DRAWN: C.M.B DATE: MAY 2013 WATSONS
	UNET. WAJHINU AUUNLUAIL UIT WIIH WAILK IS NUT MERMITIEU.	17/09/13 J COUNCIL REQUESTED AMENDMENTS FILENAME k: \36182\36182 3b\dgn\r02. dgn	A S C DESIGNED: Z.W.L DATE: MAY 2013 AUTHORISED: A.S.C DATE: MAY 2013

	NOTES E TO BE LIMITED TO THE SITE OF WORKS. EXCEPT FOR SPECIFIC WORKS.	
SIBLE FOR APPROPRIATE ERIODS	E SILTATION CONTROL DURING THE	
TER TO BE STRIPPED F	BE CARRIED OUT USING APPROVED CLAY FILL. ROM SITE PRIOR TO FILLING. ALL FILLING T F MAXIMUM DRY DENSITY. ALL FILLING TO	[.] o be
VEMENT WORKS ARE TO E	BE BACKFILLED WITH FCR AS SPECIFIED.	
	SITE PRIOR TO THE COMMENCEMENT OF SULTED PRIOR TO EITHER THE REMOVAL,	
	BE REMOVED FROM SITE	
HIND ALL KERB AND CHA		
	L TIMES DURING CONSTRUCTION	
ENTS, PARKING BAYS, E FILLED WITH FCR AS SE	ETC AND WHERE TRENCH IS WITHIN 150mm	
	ME CITY COUNCIL'S COUNCIL WORKS SUPERVIS	SOR.
	R, WATER SUPPLY, ELECTRICITY SUPPLY,	
SERVILES ARE SHUWN UT	N THE DETAIL PLAN INDICATIVELY ONLY & MA	Υ
	ATION AND BACKFILLING OF TRENCHING FOR AND THE REMOVAL OF EXCESS SPOIL	
BE 1 IN 150 LONGITUD	INALLY.	
AS DIRECTED BY HUME (CITY COUNCIL.	
	CONFORM TO SPECIFICATIONS FOR RIPPED RC) C K.
	RRENT HUME CITY COUNCIL SPECIFICATIONS HUME CITY COUNCIL SUPERVISING ENGINEER.	
JILDING ENVELOPES, E		
	(03) 93512214 FOR THE COORDINATION COMMENCEMENT OF CONSTRUCTION OF ELECTRI	CAL
	REPRESENTATIVE, PETER FEBO KS IN LAYING CONDUITS, AT LEAST 28 DAYS	PRIOR
CTION OF TELSTRA WORK		
ARE TO BE PLACED IN	A SHARED TRENCH. ROUND LEVEL TO THE SATISFACTION OF THE	
AT TOE OF BATTERS HIG		
S ARE TO BE GRASSED /	MAXIMUM GRADE OF 1 IN 5 WHERE BATTERS AND MULCHED WITH A MIXTURE OF CHOPPED	
NOUS EMULSION. S TO BE MINIMUM OF 50	00mm BELOW FINISHED SURFACE LEVELS AS PE	ER
	N ROADS AS APPLICABLE IN ACCORDANCE WITH ARKING, WITH LONGITUDINAL LINES IN THERM	
ENT HUME CITY COUNCII	_ STANDARD'S, INCLUDING PROVISION OF	
M LOCATIONS.		
AIN LOCATIONS ARE TO ITH HUME CITY COUNCII	BE MARKED BY STAMP ON ALL PERMANENT	
ENT HUME CITY COUNCIL		
E INDICATIVE ONLY.	VEHICLE CROSSING ARE TO BE CONSTRUCTED A	AS PER
DED AT ALL PRAM CROSS	SINGS TO HUME CITY COUNCIL STANDARD'S AN	1 D
STANDARD AS 1428.4.		
	D BE AT PAVEMENT LEVEL. ED TO ACCOMODATE DROP THROUGH PITS. NO	
	S PROVIDED. ALL PITS TO BE CONSTRUCTED	ΤO
	RE TO BE FILLED, INVERT LEVELS THE LEVELS SHOWN ON THE 'AS-CONSTRUCTED'	
	HUME CITY COUNCIL VILLAWOOD PROPERTIES P/L	PLAN NUMBER
MORNINGTON MELBOURNE	TRILLIUM STAGE 3B MICKLEHAM	36182/3B R 02
5 Main Street, The Melbournian, Suite 2 P.O. Box 171 3931 250 St. Kilda Rad, Phone: (03) 5975 4644 Melbourne, 3004 Fax (03) 5975 3916 Phone: (03) 9697 8009 DX 93118 Mornington Fax (03) 9697 8099	ROAD AND DRAINAGE PLANS	REVISION
	HUME CITY COUNCIL & SITE SPECIFIC NOTES	SHEET 2 OF 27



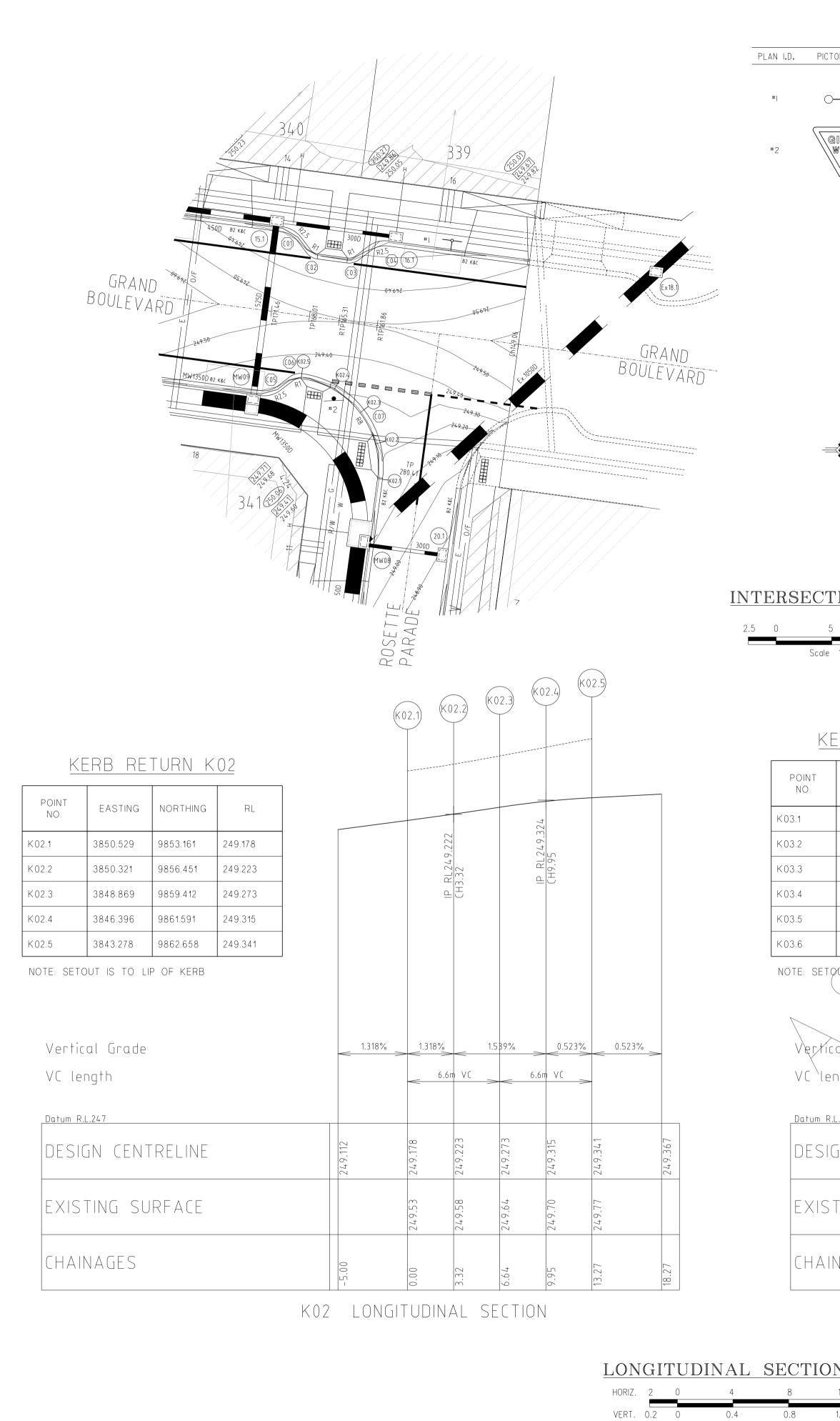
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8/10/13	L	DRAINAGE LINE 4 & 12 AMENDMENTS	ASC	PROJECT No.:	36182/3E	}		Ρ
18/09/13	К	COUNCIL REQUESTED AMENDMENTS	ASC	DRAWN:	C.M.B	DATE: MAY 2013	WATSONS	(
17/09/13	J	COUNCIL REQUESTED AMENDMENTS	ASC	DESIGNED:	Z.W.L	DATE: MAY 2013	ABN 47 637 509 613	
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		BASE REFER BATTEI		N PAGE. 1 IN 2 S	.00 .04 .40		104.76 POROUS ROCK WALLS (SEDIMENT CONTROL)
STREET NAME	GAS	RECYCLED WATER	WATER	ELECTRICITY	OPTIC FIBRE	SEWER	
GRAND BOULEVARD	2.95 N	3.45 N	4.05 N	3.175 S	2.775 S	-	
ABLOOM VIEW ROSETTE PARADE (E-W) TURION DRIVE	2.05 N	2.55 N	3.05 N	2.60 S (1.80 S ROSETTE PDE LOTS 357/359)	1.775 S (1.30 S ROSETTE PDE LOTS 357/359)	-	
ROSETTE PARADE (N-S)	2.05 W	2.55 W	3.05 W	0.85 E	0.35 E	-	
MUSKWOOD DRIVE	2.05 E	2.55 E	3.05 E	2.60 W	1.775 W	1.00 E&W	
OLEANDER BOULEVARD	3.05 W	3.55 W	4.05 W	2.60 E	1.775 E	1.00 W	DETAIL PLA
ARNICA LANE	-	-	-	_	-	2.00 E	5 0 10 20 Scale 1:500 at A1

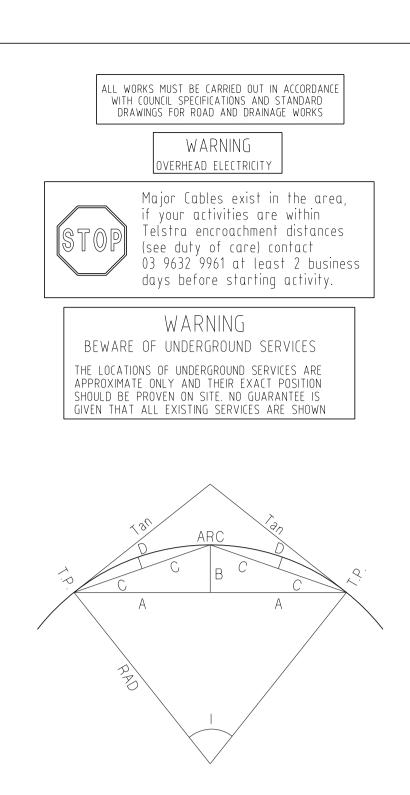
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DATE	DETAILS	AUTHORISED	DATE PRINTED:	14/02/201	14				VILLAWOOD PROPERTIES P/L	
14/02/14	N AS CONSTRUCTED	A S C	LEVEL DATA:	K:\36182\	.36182\LTOPO				TRILLIUM STAGE 3B	36182/3B
22/01/14	M PARK PATHWAY AMENDMENTS	A S C	DATUM:	AHD			MORNINGTON 5 Main Street,	MELBOURNE The Melbournian, Suite 2	MICKLEHAM	R04A
8/10/13	L DRAINAGE LINE 4 & 12 AMENDMENTS	A S C	PROJECT No.:	36182/3B			P.O. Box 171 3931 Phone: (03) 5975 4644	250 St. Kilda Road, Melbourne, 3004	ROAD AND DRAINAGE PLANS	
18/09/13	K COUNCIL REQUESTED AMENDMENTS	A S C	DRAWN:	C.M.B	DATE: MAY 2013	WATSONS	Fax (03) 5975 3916 DX 93118 Mornington	Phone: (03) 9697 8000 Fax (03) 9697 8099		REVISION
17/09/13	J COUNCIL REQUESTED AMENDMENTS	A S C	DESIGNED:	Z.W.L	DATE: MAY 2013	ABN 47 637 509 613			DETAIL PLAN & SERVICE OFFSET TABLE	
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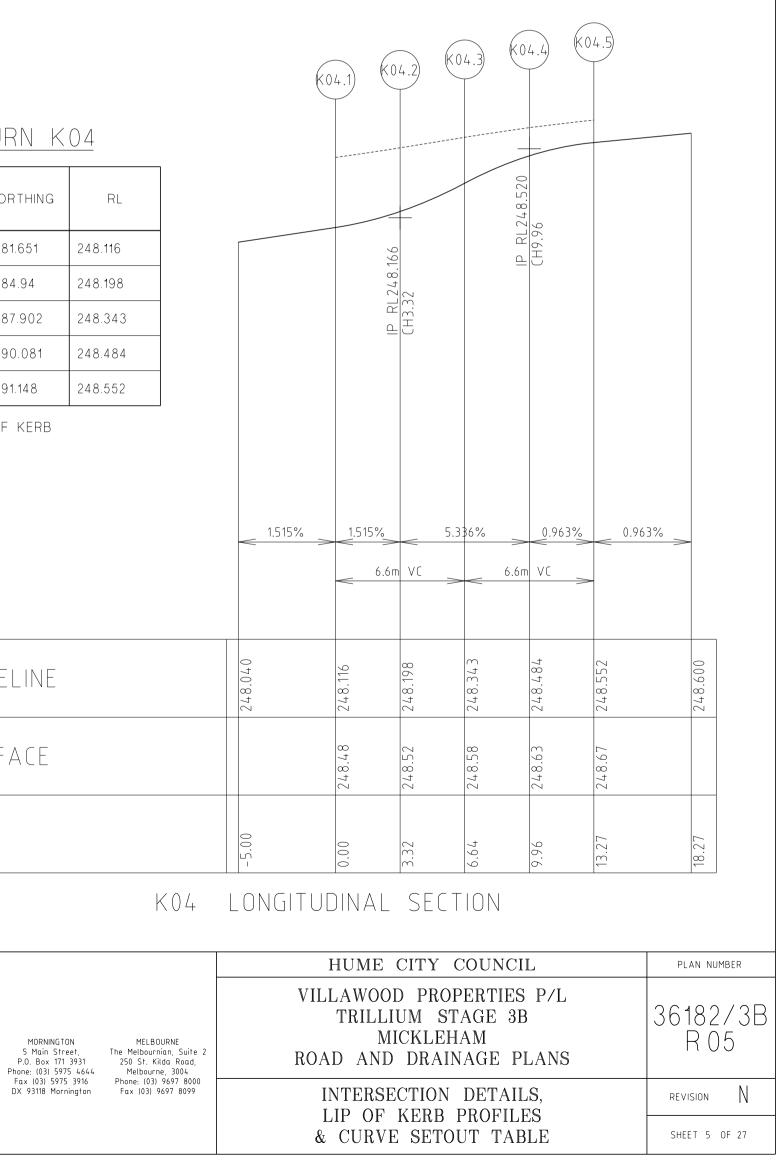


Horiz. Scal	e 1:200 at A1
Vert. Sca	le 1:20 at A1

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		-	Curve Radius 1 2.5	I O 44.99 44		19 1.96	63 1.04	A 0.96	0.19	0.49	0.05
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GIVE WAY R1-2A			42.552.5	44.994444.6744		19 1.96 4 1.92		0.96	0.19	0.49	0.05
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6)			9 8 10 10	90.00 89 90.00 90			566 8.00 708 10.00	5.66	2.34	3.06 3.83	0.61
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ARLOONT 4500-BZ KEC		3.13	13 6	30.873062.9862	58	128.4406.5	95 3.68	4.15	0.56	2.09 1.63	0.14 0.23
ABLOOM 04-842 (11.2) VIEW			14 14 15 8	32.113290.0089		527.85112.5	47 4.03 566 8.00	3.87	0.55	1.96 3.06	0.14
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	82 Kit										
	ROSETTE PARADE										
TION DETAILS	PA										
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	(K03.1) (K03.2) (K0	3.3) (K03.4) (K03.5)									
(ERB RETURN K03											KO
		Sag			KER	B RETU	JRN K	04			
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3834.58 9797.789 248.552	IP RL248.537 CH1.51	IP_RL248.465 CH12.76			POINT NO.	EASTING	NORTHING	RL			
3837.869 9797.997 248.526	CH1.5	<u> </u>			K04.1 38	840.941 9	781.651	248.116			
3840.83 9799.448 248.505				_	K04.2 38	840.733 9	784.94	248.198			
3843.01 9801.922 248.483				_			787.902	248.343			
3844.077 9805.041 248.477				-			790.081	248.484			
3844.21 9806.031 248.488							791.148	248.552			
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icat Grade	-0.963% -0.963% -0	641% 1.515% 1.51	5%		Vertical	Grade				1.	515%
length	3.0m VC	3.0m VC			VC leng						>
					9						
R.L.246					Datum R.L.24	• 6					
SIGN CENTRELINE	248.600 248.552 248.552 248.552 248.539 248.539 248.528 248.526	248.505 248.483 248.475 248.473 248.477 248.488 248.488	248.564		DESIGN	I CENTR	eline			248.040	
	24 24 24 24 24 24	24 24 24 24 24 24	24							24	
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	-5.0 0.00 1.51 3.01 3.32	6.64 9.96 11.26 12.76 13.27 14.26 14.27	19.2.								
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1.2m	22/01/14	М	PARK PATHWAY AMENDMENTS	ASC	DATUM:	AHD			ſ
	8/10/13	L	DRAINAGE LINE 4 & 12 AMENDMENTS	ASC	PROJECT No.:	36182⁄3B			- P.I Phon
	18/09/13	к	COUNCIL REQUESTED AMENDMENTS	ASC	DRAWN:	C.M.B	DATE: MAY 2013	WATSONS	Fa: DX
	17/09/13	J	COUNCIL REQUESTED AMENDMENTS	ASC	DESIGNED:	Z.W.L	DATE: MAY 2013	ABN 47 637 509 613	
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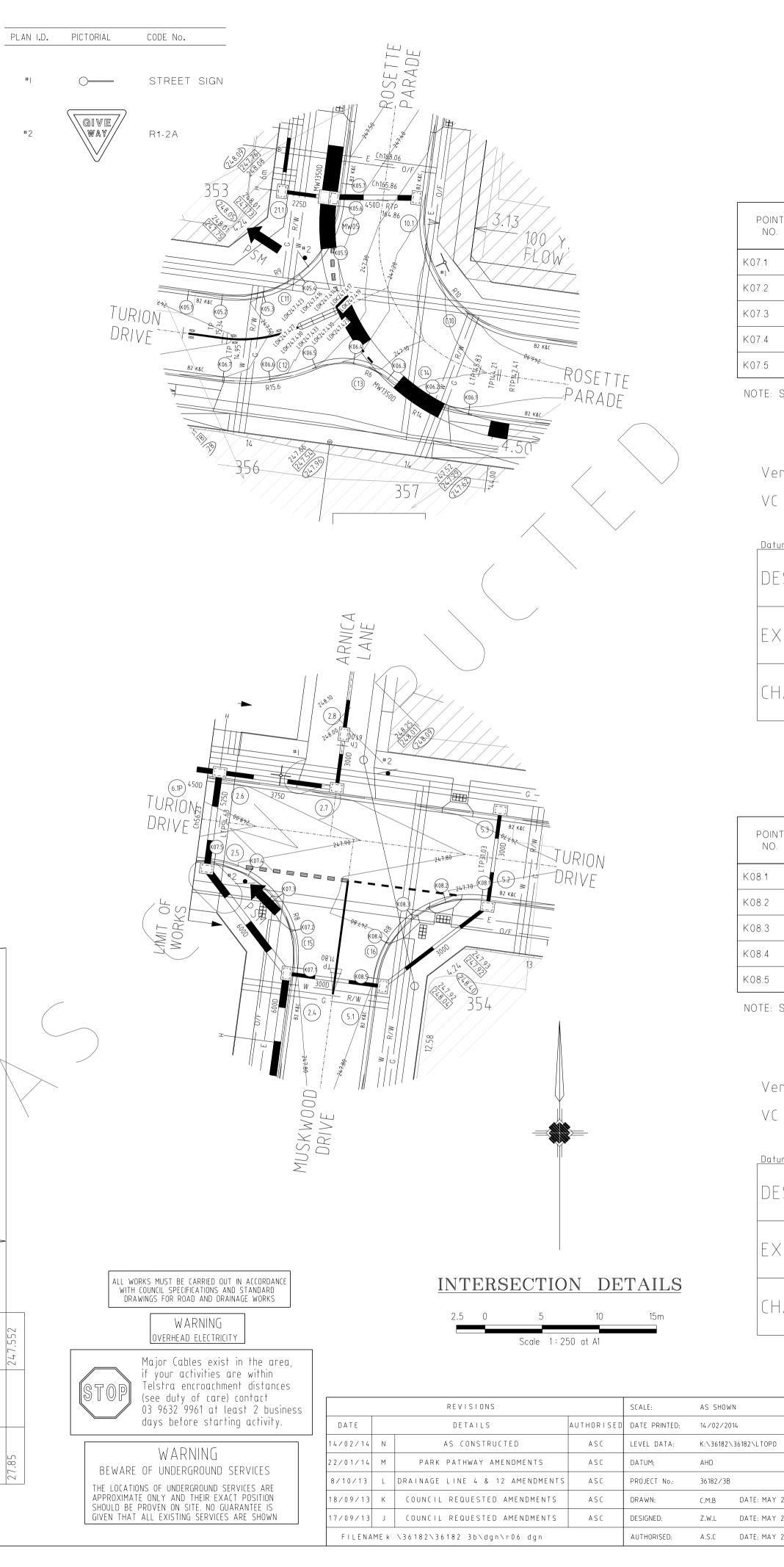




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POINT NO.	ERB RE		RL						Sag			
<05.1	3821.446	9729.932	247.542		5							
<05.2	3824.419	9729.534	247.519		IP RL247.527 CH1.52				7.437	CH18.31		
<05.3	3828.099	9729.766	247.499		P RL.				RL 24.	8.31		
<05.4	3831.41	9731.389	247.479						4	CH1		
<05.5	3833.847	9734.155	247.459									
<05.6	3835.041	9737.644	247.443									
<05.7	3835.306	9739.625	247.462									
Vert	ical Grade ength			-0.992%	-0.992% 3.0m VC		-0.536%		3.0m	.667% VC	<u> </u>	A
Datum	R.L.245											_
DES	IGN CENT	(RELINE		247.591	247.542 247.541 247.528 247.519 247.519 247.519	247.499	247.479	247.459	247.445	247.445	247.462	247.546
EXIS	STING SL	IRFACE			247.99 247.99 247.97 247.95 247.95	247.91	247.90	247.91	247.94	247.96	247.98 247.98	
ГНА	INAGES			2.00	0.00 0.02 1.52 3.00 3.02	6.71	10.42	14.13	16.81 17 o./	_ t	19.81 19.84	24.84

K05 LONGITUDINAL SECTION

	ERB RE	<u>iurn k</u> T	<u>06</u>		(K06.1)										
POINT NO.	EASTING	NORTHING	RL												1
<06.1	3846.04	9719.875	246.892								8				
<06.2	3842.397	9720.897	246.961								IP RL247.448 CH17.13				
(06.3	3839.178	9722.886	247.066								RL24 117.13				
<06.4	3835.98	9724.311	247.196			890	5				ЧIJ			7	
<06.5	3832.509	9723.854	247.33			5976	/.0 t								
<06.6	3828.589	9722.766	247.44				CH5.71								
<06.7	3824.52	9722.76	247.503												
	cal Grade			1.3385	% <u>1.</u>	338%	<		4.200%		><	0.967%	> 0.9	67% >	-
	ength				<	11.4 п	n VC		><	11.	.4m VC		>		
	ength				<	11.4 п	n VC		><	11.	.4m VC		>		
VC (ength	RELINE		246.825	246.892	11.4 m	247.009	247.066	247.196	247.330	247.402 DA	247.440	247.503		247.552
VC la Datum DES	ength R.L.245			246.825	247.60 246.892			247.70 247.066	247.75 247.196 V 247.75 247.208						247.552



KERB RETURN

POINT NO.	EASTING	NORTHIN
K07.1	3792.338	9718.55
K07.2	3792.13	9721.839
K07.3	3790.679	9724.801
K07.4	3788.205	9726.98
K07.5	3785.087	9728.047

NOTE: SETOUT IS TO LIP OF KERE

Vertical Grade VC length

_Datum R.L.246
DESIGN CENTRELIN
EXISTING SURFAC
CHAINAGES

KERB RETURN

POINT NO.	EASTING	NORTHING
K08.1	3808.475	9724.911
K08.2	3805.186	9724.703
K08.3	3802.225	9723.252
K08.4	3800.045	9720.778
K08.5	3798.978	9717.66

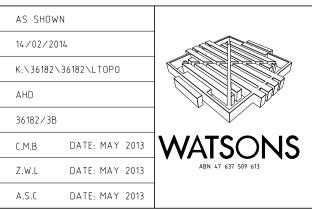
NOTE: SETOUT IS TO LIP OF KERB

Vertical Grade VC length

Datum R.L.246 DESIGN CENTRELINI

EXISTING SURFACE

CHAINAGES



			LON HORIZ.			<u>4 ε</u>	CTIONS 3 12m	
			VERT.		Horiz. Scale	.4 0. 1 : 200 at A1 1 : 20 at A1	.8 1.2m	
N K07			\frown		(K07.4)	(K07.5)		
		(K07.1)	(K07.2)	(K07.3)				
HING RL								
5 247.802 39 247.828								
01 247.856			26					
8 247.888			<u>247.826</u> 2		IP RL247.886 CH9.95			
47 247.922			IP RL CH3.3		CH9			
ERB								
	0.732	%0.71	32%	0.908%		0% 1.080)% >	
		\sim	6.6m VC	_><	6.6m VC	->		
INE	765	302	328	356	388	922	976	
	247.765	247.802	247.828	247.856	247.888	247.922	247.976	
CE		L L	6		0	4		
CE		248.05	248.09	248.15	248.20	248.24		
	-5.00	0.00	3.32	6.64	9.95	13.27	18.27	
K	07 LON	IGITUD						
N K08								
		K08.1	K08.2	K08.3	K08.4	(K08.5)		
HING RL		Ú						
11 247.668					Grest			
03 247.71								
52 247.765			~		.826			
78 247.805			RL 247.703 3.32		IP RL247.826 CH9.95			
6 247.802			IP_RL24 CH3.32		CH9.			
ERB			E					
	1.073	%1.0'	73%	1.855%	-0.73	-0.73	32% >	
		<	6.6m VC	_><_	6.6m VC	->		
	14	67	10	.765	05	02	65	
INE	247.614	247.66	247.710	247.7(247.805	247.802	247.765	
C F								
CE		248.00	248.01	248.01	248.00	247.97		
	-5.00	0.00	3.32	6.64	9.95	13.27	18.27	
	08 LON							
Ň	VU LUN		MINAL	JLLI				
			HUME	CITY (COUNCII	L	PLAN N	IUMBER
			LAWOO	D PROI	PERTIES	P/L		
MORNINGTON MELBOUR			M	ICKLEH			3618 R	
5 Main Street, The Melbournia P.O. Box 171 3931 250 St. Kild Phone: (03) 5975 4644 Melbourne, Fax (03) 5975 3916 Phone: (03) 9	ın, Suite 2 a Road, . 3004 697 8000	ROA			NAGE PI	LANS		
DX 93118 Mornington Fax (03) 969	97 8099				DETAIL		REVISION	Ν
		&	LIP OF	KERB	PROFIL	JES	SHEET 6	- OF 27

ALL WORKS MUST BE CARRIED OUT IN ACCORDANCE WITH COUNCIL SPECIFICATIONS AND STANDARD DRAWINGS FOR ROAD AND DRAINAGE WORKS

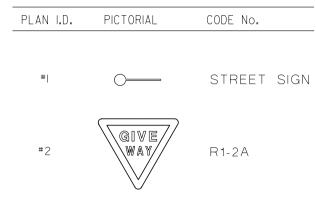
WARNING OVERHEAD ELECTRICITY

elstra encroachment distances (see duty of care) contact 03 9632 9961 at least 2 business days before starting activity.

Major Cables exist in the area, if your activities are within

WARNING

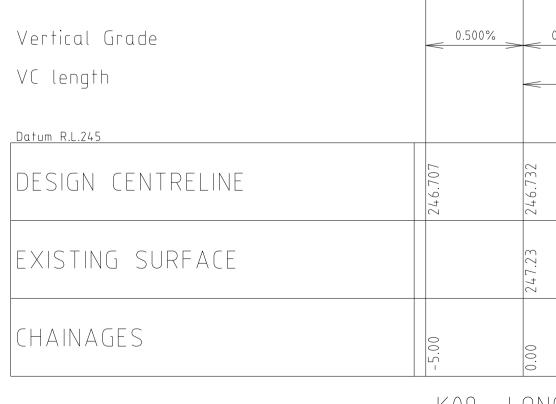
BEWARE OF UNDERGROUND SERVICES THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN

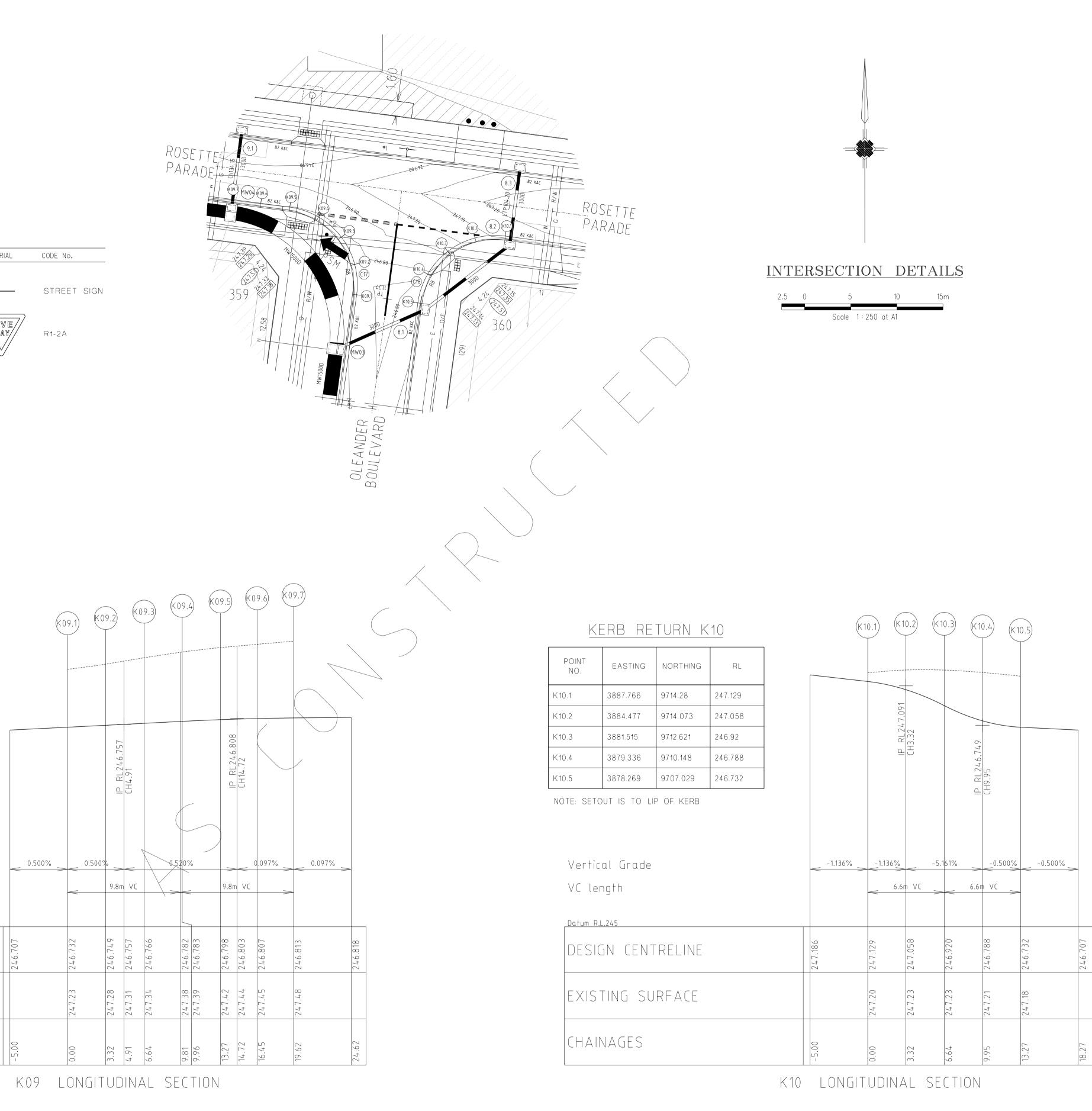


KERB RETURN K09

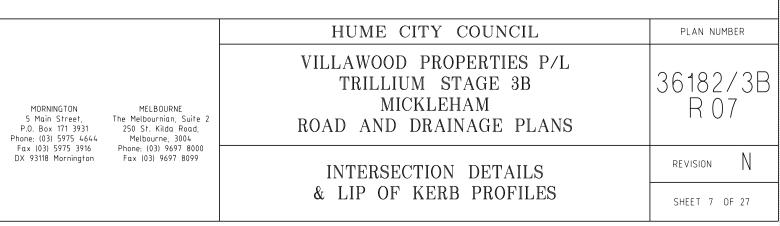
POINT NO.	EASTING	NORTHING	RL
K09.1	3871.628	9707.919	246.732
K09.2	3871.42	9711.209	246.749
K09.3	3869.969	9714.17	246.766
K09.4	3867.495	9716.349	246.783
K09.5	3864.376	9717.416	246.798
K09.6	3861.229	9717.838	246.807
K09.7	3858.084	9718.26	246.813

NOTE: SETOUT IS TO LIP OF KERB

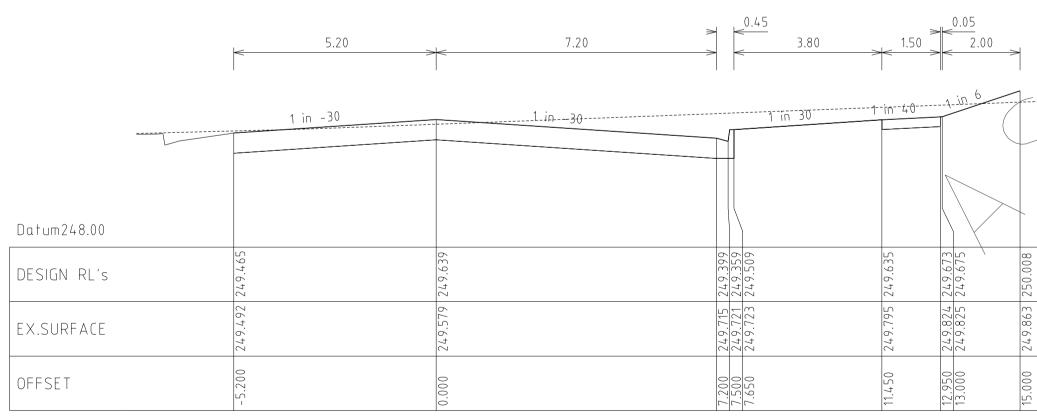




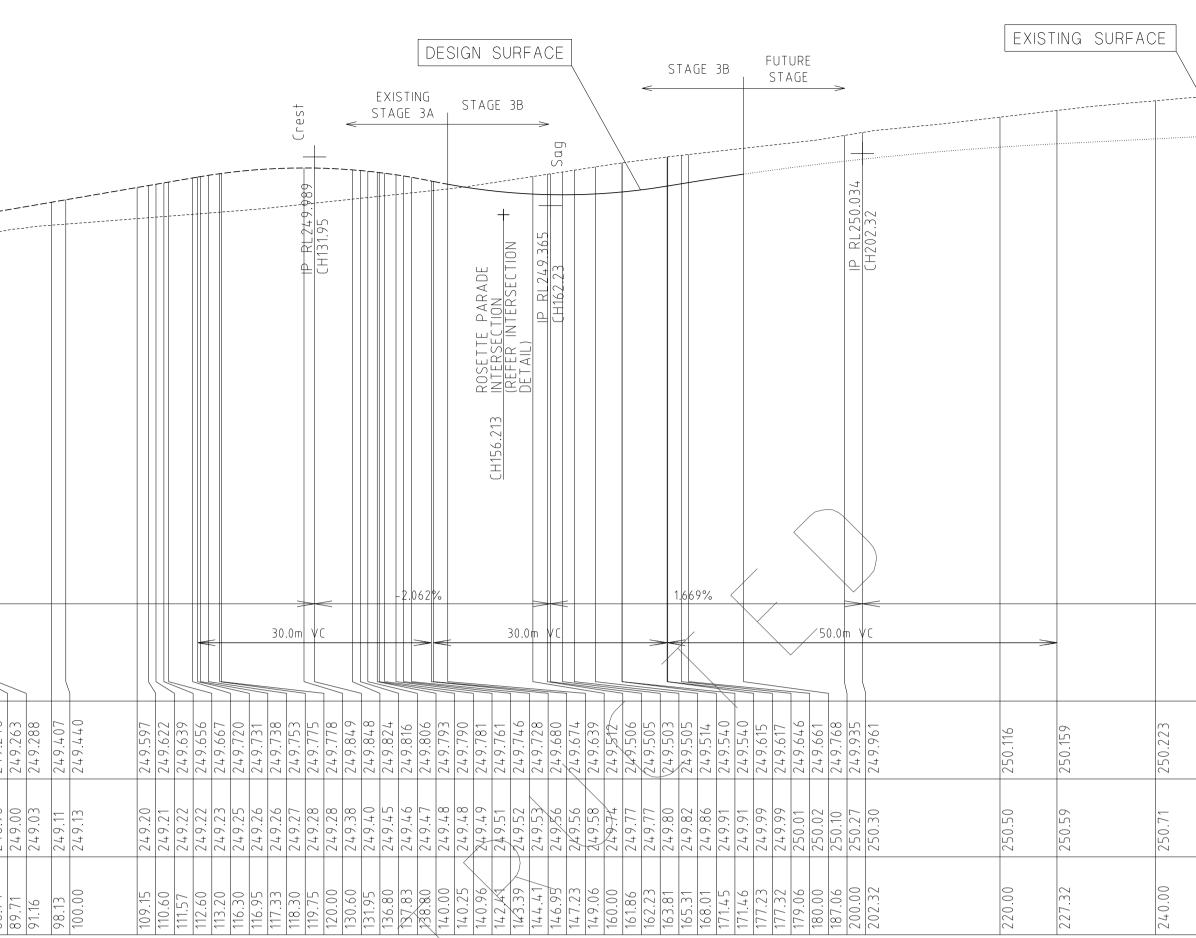
		REVISIONS		SCALE:	AS SHOV	√N	
DATE		DETAILS	AUTHORISED	DATE PRINTED:	14/02/2	014	
14/02/14	Ν	AS CONSTRUCTED	A S C	LEVEL DATA:	K:\36182	\36182\LTOPO	
22/01/14	М	PARK PATHWAY AMENDMENTS	A S C	DATUM:	AHD		
8 / 1 0 / 1 3	L	DRAINAGE LINE 4 & 12 AMENDMENTS	A S C	PROJECT No.:	36182⁄3E	3	
18/09/13	К	COUNCIL REQUESTED AMENDMENTS	A S C	DRAWN:	C.M.B	DATE: MAY 2013	WATSONS
17/09/13	J	COUNCIL REQUESTED AMENDMENTS	A S C	DESIGNED:	Z.W.L	DATE: MAY 2013	ABN 47 637 509 613
FILENA	ME k	.∖36182∖36182 3b∖dgn∖r07. dgn		AUTHORISED:	A.S.C	DATE: MAY 2013	



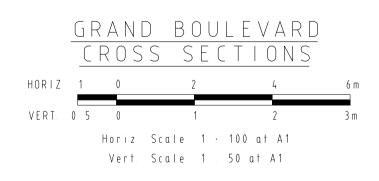
GRAND BOULEVARD LONGITUDINAL SECTI HORIZ 5 0 10 20 VERT. 0 5 0 1 2 Horiz Scale 1 500 at A1 Vert. Scale 1 50 at A1	O N 3 0 m 3 m														
Horizontal Geom	netrv														
Vertical Grade VC length										1	1.721	%			
Datum R.L.243					ŲŲ										
DESIGN CENT	RELINE	248.407	248.515	248.540	248.576	248.610	248.621	248.638	248.680 248.680	248.751	248.801	248.822	249.095	249.228	249.246
EXISTING SUF	RFACE	248.40	248.45	248.46	248.46	248.49	248.49	248.50	12.842	248.55	248.58	248.59	248.83	248.97	248.98
CHAINAGES		40.00	46.25	47.70	48.67	51.80	52.40	53.43	55.85	60.00	62.88	64.11	80.00	87.71	88.74



Chainage 149.06



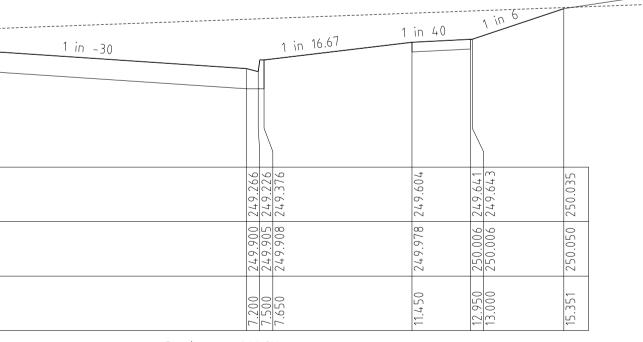
	1 in	- 30	
Datum248.00			
DESIGN RL's	249.332		249.506
EX.SURFACE	249.671		249.767
OFFSET	-5.200		0.000



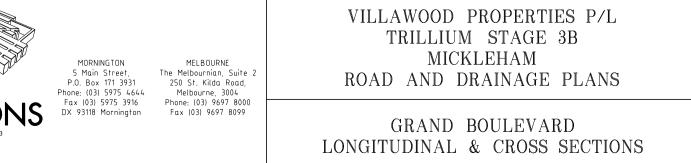
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		REVISIONS		SCALE:	AS SHOV	ΝN		
DATE		DETAILS	AUTHORISED	DATE PRINTED:	14/02/2	014		
14/02/14	N	AS CONSTRUCTED	A S C	LEVEL DATA:	K:∖36182	\36182\LTOPO		
22/01/14	М	PARK PATHWAY AMENDMENTS	A S C	DATUM:	AHD			
8/10/13	L	DRAINAGE LINE 4 & 12 AMENDMENTS	A S C	PROJECT No.:	36182/3E	3		P۲
18/09/13	К	COUNCIL REQUESTED AMENDMENTS	A S C	DRAWN:	C.M.B	DATE: MAY 2013	WATSONS	l D
17/09/13	J	COUNCIL REQUESTED AMENDMENTS	A S C	DESIGNED:	Z.W.L	DATE: MAY 2013	ABN 47 637 509 613	
FILENA	ME k	∴\36182\36182_3b\dgn\r08. dgn		AUTHORISED:	A.S.C	DATE: MAY 2013		

\			I
	0.500%		-
	250.323	+ 23	523
	200	250.423	250.523
			. 7
	8	06	91
	250.80	250.90	250.91
	00	00	00.
	260.00	280.00	300.00
			·



Chainage 161.86

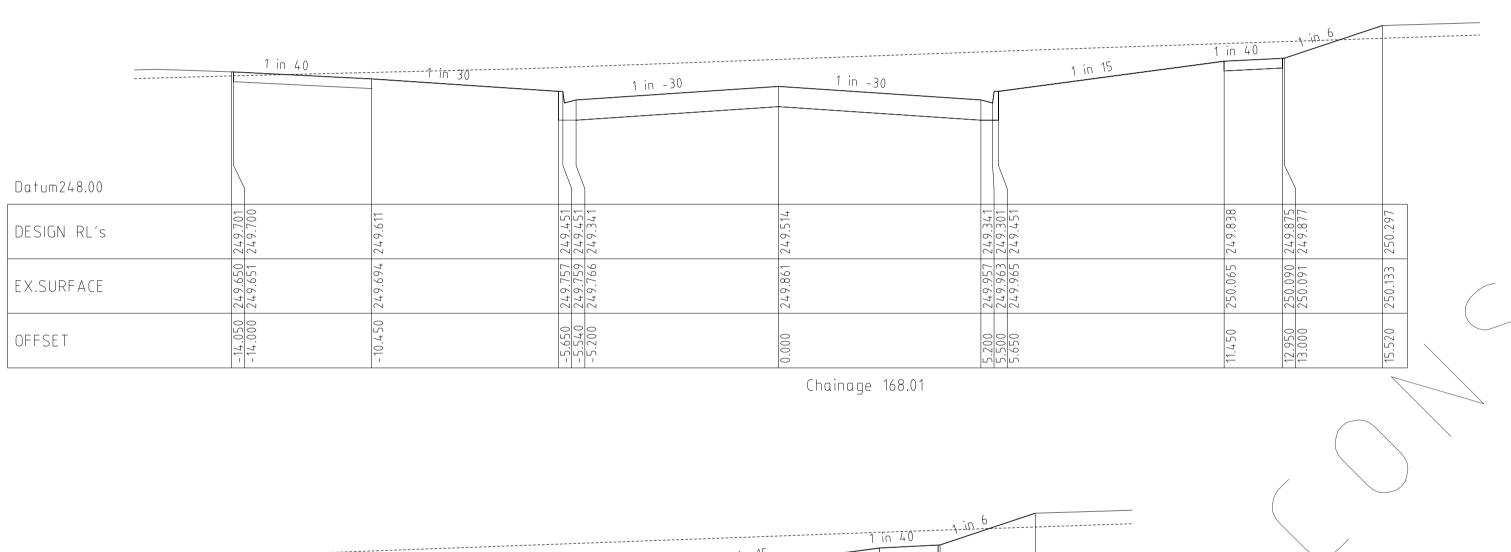


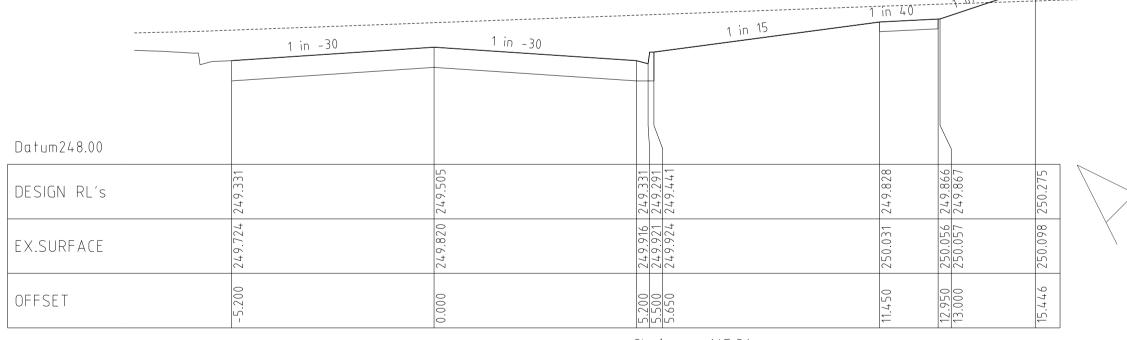
HUME CITY COUNCIL

	PLAN	NU	MBE	R	
36	518 R	32 0		3	В
R	EVISIC	IN		Ν	
S	SHEE Т	8	OF	27	

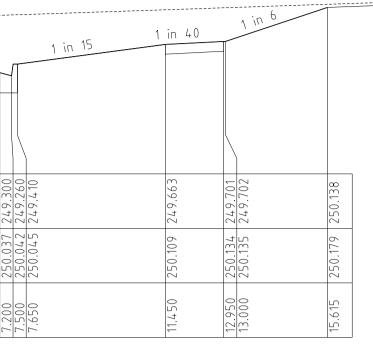
	1 in 6					
		1.1.40	<u>- 12.5</u>	1 in -30		1 in -30
Datum248.00						
DESIGN RL's	250.04.8	249.698 249.696 249.634	249.410 249.410	249.300	249.540	249.300 249.260 249.40
EX.SURFACE	249.679	249.710 249.710 249.744	249.778 249.778	.78	249.914	250.037 250.042 250.045
OFFSET	- 15.100	-13.000 -12.950 -10.450	-7.540	-7.200	0.00.0	7.200 7.500 7.650

Chainage 171.46





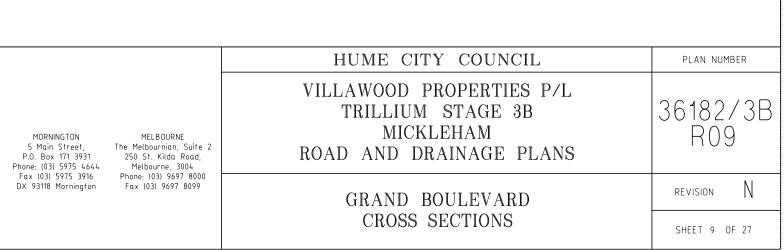
Chainage 165.31



									<u>R O S</u>	S S
							HORIZ	1	0	
							V E R T.	0.5	0	
									Horiz	Scal
									Vert	Scal
					_					
			/	,						
			$\langle \rangle$	/	~					
				$\langle \rangle$	0.4	r.				
		2.10	\checkmark	2.50	2.80			7.20		
		<	<	>	<	> <				
		 1 in 6								
			1	in 40	1-in-12.5					
		/					1 in	- 30		
	、 、									
	Datum248.00		$\left \right\rangle$							
,		 6	27		52					
\land	DESIGN RL'S	250.277	249.927 249.925		249.862	249.638 249.638 249.528				
			0 2			<u> </u>				
	EX.SURFACE	249.859	249.890 249.890		249.926	249.970 249.972 249.978				
	OFFSET	- 15.100	-13.000 -12.950		- 10.450	-7.650 -7.540 -7.200				

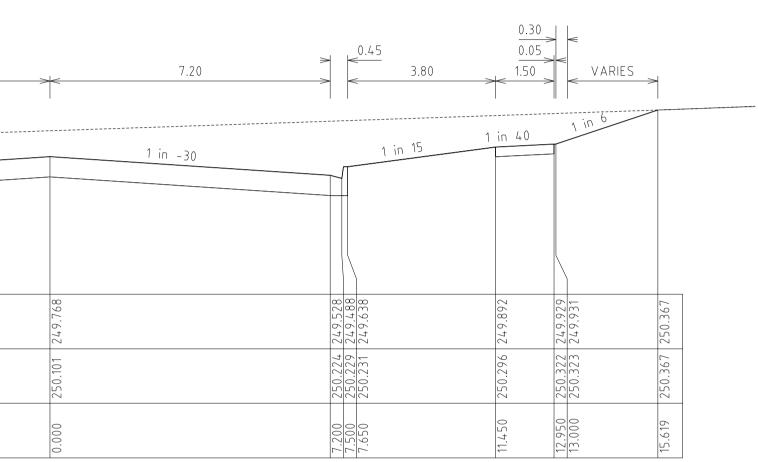
		6 1 in 4	έ+0 <u>1 · · · · · · · · · · · · · · · · · · </u>		1 in -30		1 in 40	1 in 6	
					1 in -30 1 in -30	1 in 15		Ŧ	
Datum248.00									
DESIGN RL's	250.154	249.804 249.802	249.740	249.516 249.516 249.406	249.646	249.406 249.366 249.516	249.769	249.806 249.808	250.279
EX.SURFACE	249.772	249.802 249.802	249.838	249.880 249.881 249.887	250.010	250.133 250.138 250.141	250.205	250.230	250.278
OFFSET	- 15.100	<u>-13.000</u> -12.950	-10.450	-7.650 -7.540 -7.200	0.00	7.500	11.450	12.950	15.823

		REVISIONS		SCALE:	AS SHOV	ŴŇ		
DATE		DETAILS	AUTHORISED	DATE PRINTED:	14/02/2	014		
14/02/14	N	AS CONSTRUCTED	A S C	LEVEL DATA:	K:\36182	\36182\LTOPO		
22/01/14	Ч	PARK PATHWAY AMENDMENTS	ASC	DATUM:	AHD			
8/10/13	L	DRAINAGE LINE 4 & 12 AMENDMENTS	ASC	PROJECT No.:	36182/3E	3		Ph
18/09/13	K	COUNCIL REQUESTED AMENDMENTS	ASC	DRAWN:	C.M.B	DATE: MAY 2013	WATSONS	l D
17/09/13	J	COUNCIL REQUESTED AMENDMENTS	ASC	DESIGNED:	Z.W.L	DATE: MAY 2013	ABN 47 637 509 613	
FILENAME	k :	\36182\36182_3b\dgn\r09_dgn		AUTHORISED:	A.S.C	DATE: MAY 2013		





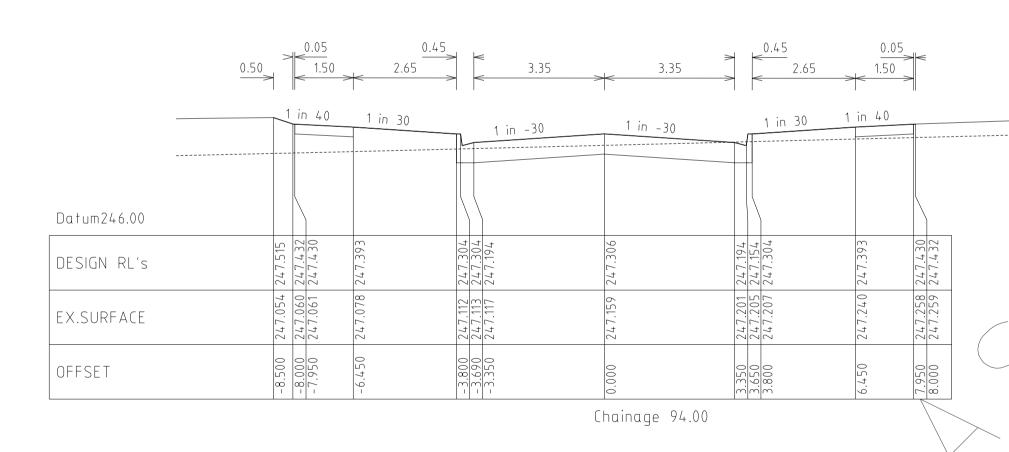
0	
Chainage	187.06



<u>GRAND BOULEVARD</u> <u>CROSS SECTIONS</u> cale 1 : 100 at A1 cale 1 : 50 at A1

LON HORIZ 5 VERT. 0.5

ROSETTE PARADE ONGITUDINAL SECTION Z 5 0 10 20 30m Horiz Scale 1 : 500 at A1 Vert Scale 1 : 50 at A1									EXISTING STAGE 3,	Lest A	CH96.36		IP RL247.134 OLEANDER BLVD. CH111.38 INTERSECTION + (REFER INTERSECTION +	DETAIL)		CH135.43 CH135.43	EXIS	TURION DRIVE INTERSECTION 57.117 (REFER INTERSECTION + STORE)		CH165.55				DESIG	N SUR	FACE	ABLOOM VIEW INTERSECTION INTERSECTION INTERSECTION	LEIZZU.UDZ INLI LN IIVILINJELIUUV DETAIL)
Horizontal Geometry Vertical Grade					1.089%						-1.83	3%	CH116.000	- 1.360%			1.826	% 2 00 R <u>(H157.</u>	_>								1.515%	
VC length									<	30.0	Dm VC		>	<	30.0m	VC	>	<	30.0m	C								
Datum R.L.242																		\mathbb{N}	,									
DESIGN CENTRELINE	246.360	246.448	246.535 246.578	246.649 246.667	246.796	246.924 246.943	247.014	247.058	247.231 247.246	247.296	247.307 247.306 247.300 247.300 247.280	247.241	247.135 247.134	247.017 247.011		246.924 246.924 246.926 246.948	246.969 246.985 246.988	247.008 247.081 247.083	247.251		247.350 247.387 247.480		247.584 247.660	<u></u>	247.838 247.879		· · · · · · · · · · · · · · · · · · ·	248.182
EXISTING SURFACE	246.36	246.40	246.45 246.47	246.50 246.51	246.65	246.79 246.81		246.90	247.03 247.05		247.16 247.16 247.18 247.21	25	247.32 247.32	247.40 247.40	C	247.52 247.53 247.54 247.58	60 62 62	64 70 70	85		247.93 247.96 248.02		248.10 248.16	248.23	248.30 248.33	248.37 74844	- - - - - - - - - - - - - - - - - - -	248.60
CHAINAGES	0.00	8.06	16.06 20.00	26.56 28.20	40.00	51.80 53.56	00.09	64.11	80.00 81.36		96.36 100.00 100.00		111.36 111.38	120.00 120.43		135.43 135.43 14.0.09	21	883 55	00	86 55	165.86 168.06 173.81	56	180.55 185.56	99	197.31 200.00	06 26) 	220.00



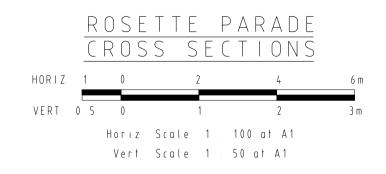
	1 in 40 1 in 30	1 in -30	1 in -30	1 in 30	1 in 40
Datum246.00					
DESIGN RL's	247.505 247.422 247.420 247.420 247.420	247.294 247.294 247.184	247.296	247.184 247.144 247.294	247.382 247.420 247.422
EX.SURFACE	247.002 247.008 247.009 247.009 247.025	247.059 247.060 247.064	247.106	247.148 247.152 247.154	247.183 247.200 247.200
OFFSET	-8.500 -8.000 -7.950 -6.450	-3.800 -3.690 -3.350	0000.0	3.350 3.650 3.800	6.450 7.950 8.000

Chainage 87.71

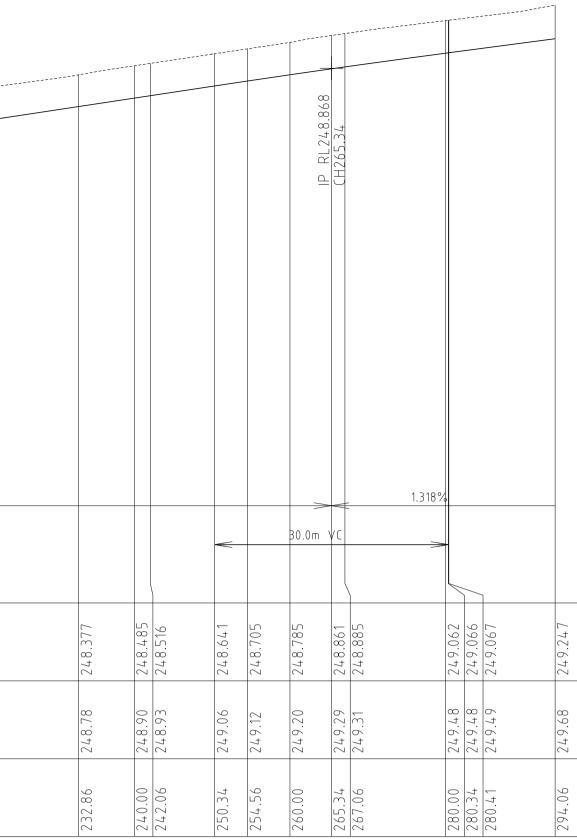
	1 in 6				
			1 in 10	1 in -30	
Datum245.00					
DESIGN RL's	247.727	247.227 247.225	247.188	246.923 246.813 246.813	246.924
EX.SURFACE	247.378	247.417 247.418	247.437	247.473 247.480 247.480	247.526
OFFSET	- 11.000	<u>-8.000</u> -7.950	-6.450	- <u>3.800</u> - <u>3.690</u> -3.350	0.000

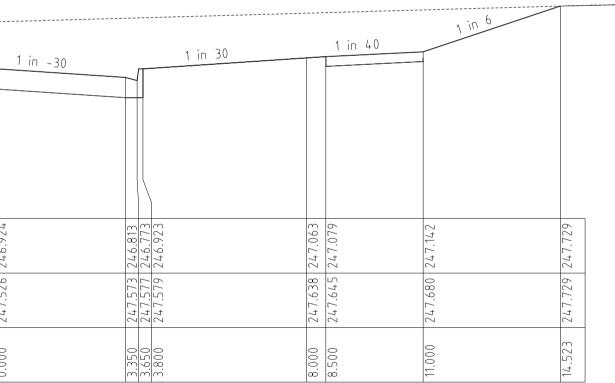
	1	ir	n 40	1 in 30	
					Ī
Datum246.00)		
DESIGN RL's		Im.	247.365	247.327	026 276
EX.SURFACE		247.145	247.146	247.166	71.7 100
OFFSET		- 8.000	-7.950	-6.450	000 2

		REVISIONS		SCALE:	AS SHO	WN		
DATE		DETAILS	AUTHORISED	DATE PRINTED:	14/02/2	014		
14/02/14	Ν	AS CONSTRUCTED	ASC	LEVEL DATA:	K:∖36182	N36182\LTOPO		
22/01/14	М	PARK PATHWAY AMENDMENTS	ASC	DATUM:	AHD			
8/10/13	L	DRAINAGE LINE 4 & 12 AMENDMENTS	ASC	PROJECT No.:	36182/38	В		P
18/09/13	К	COUNCIL REQUESTED AMENDMENTS	ASC	DRAWN:	C.M.B	DATE: MAY 2013	WATSONS	[
17/09/13	J	COUNCIL REQUESTED AMENDMENTS	ASC	DESIGNED:	Z.W.L	DATE: MAY 2013	ABN 47 637 509 613	
FILENA	MEk	.∖36182∖36182_3b∖dgn∖r10. dgn		AUTHORISED:	A.S.C	DATE: MAY 2013		



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Chainage 134.15

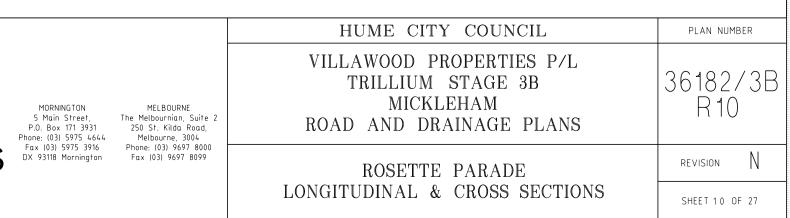
<u>1 in 30</u> 1 in 40 <u>1 in -30---</u>
 -3.800
 247.199
 247.239

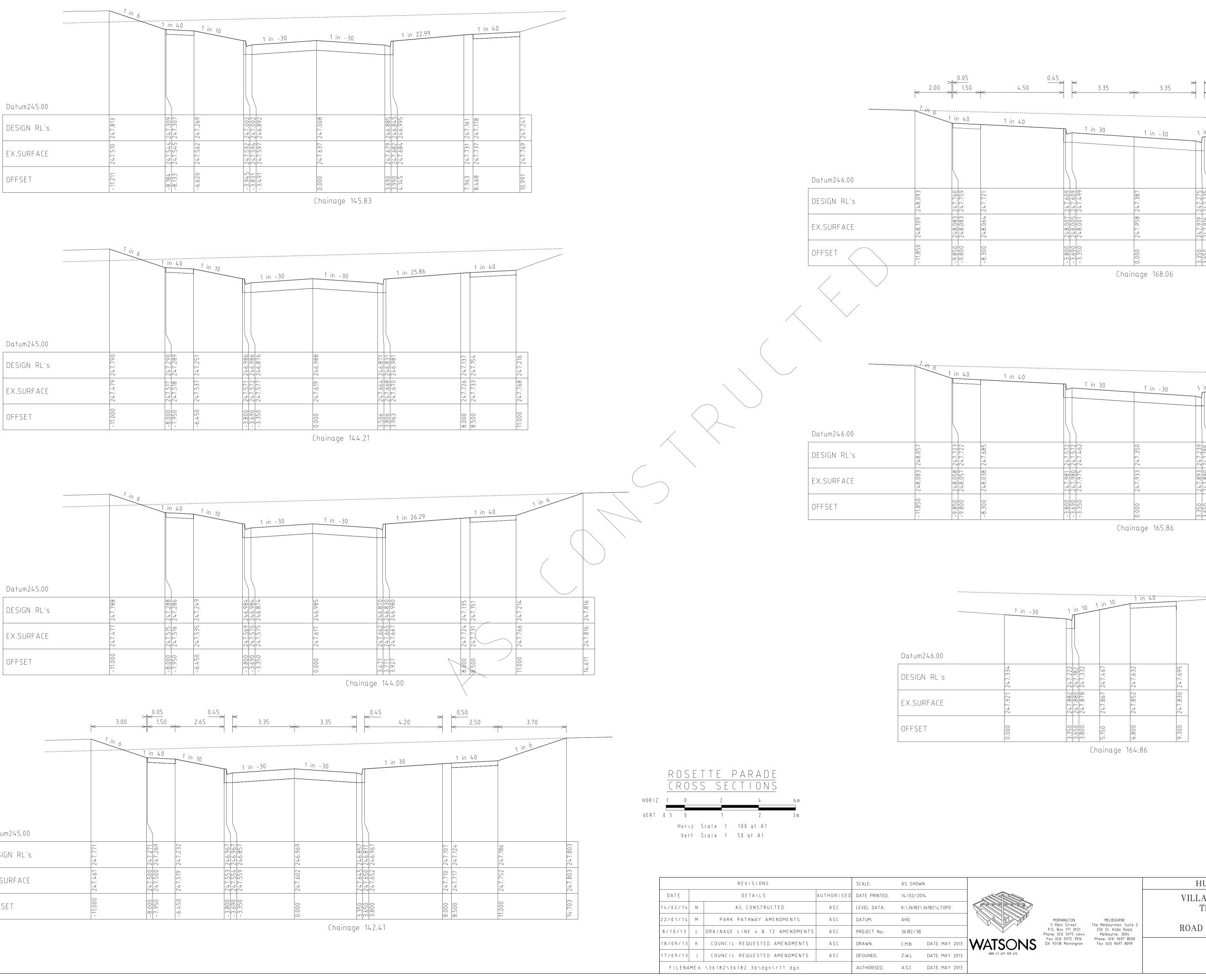
 -3.690
 247.201
 247.239

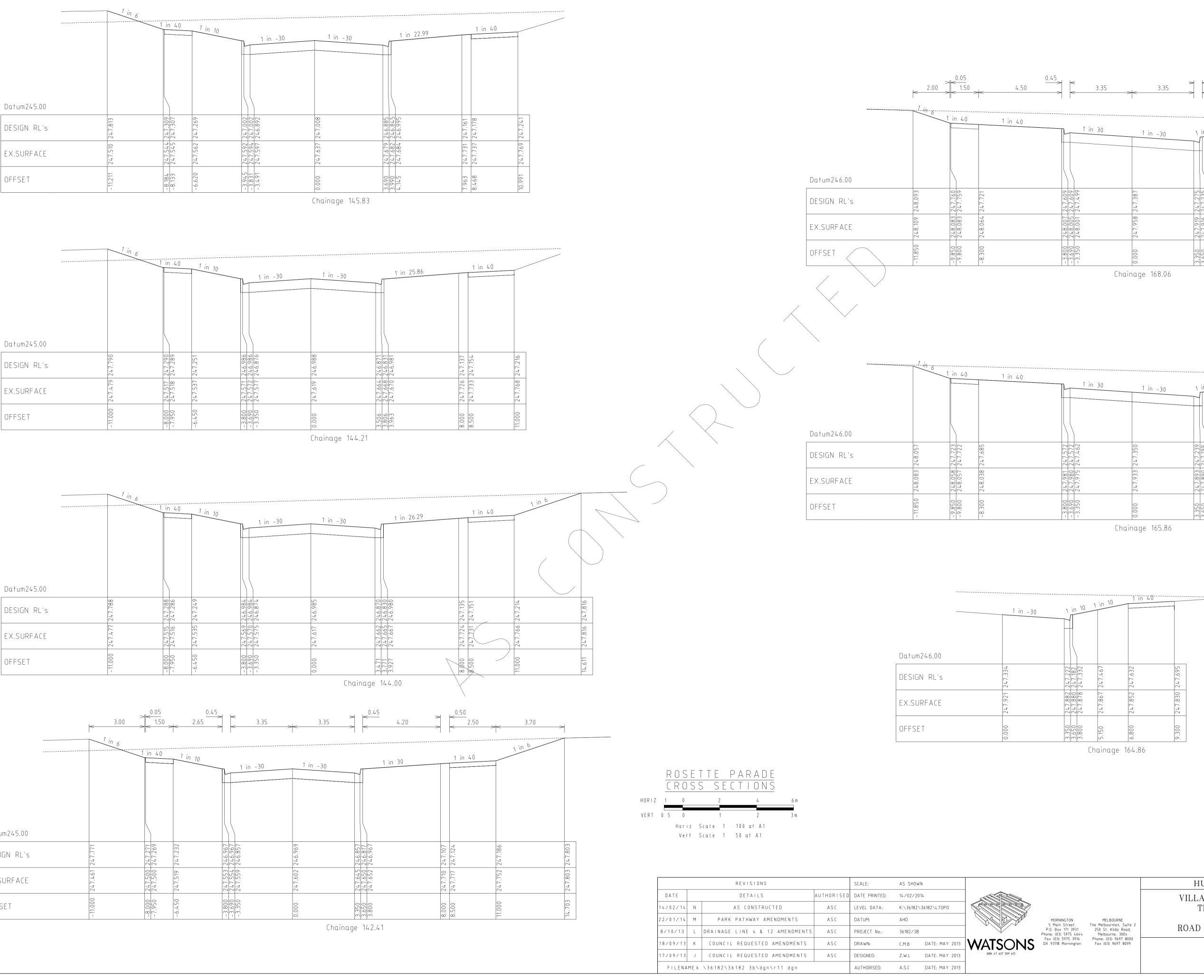
 -3.550
 247.205
 247.129
 247.290 247.129 247.294 247.089 247.295 247.239
 7.950
 247.348
 247.367

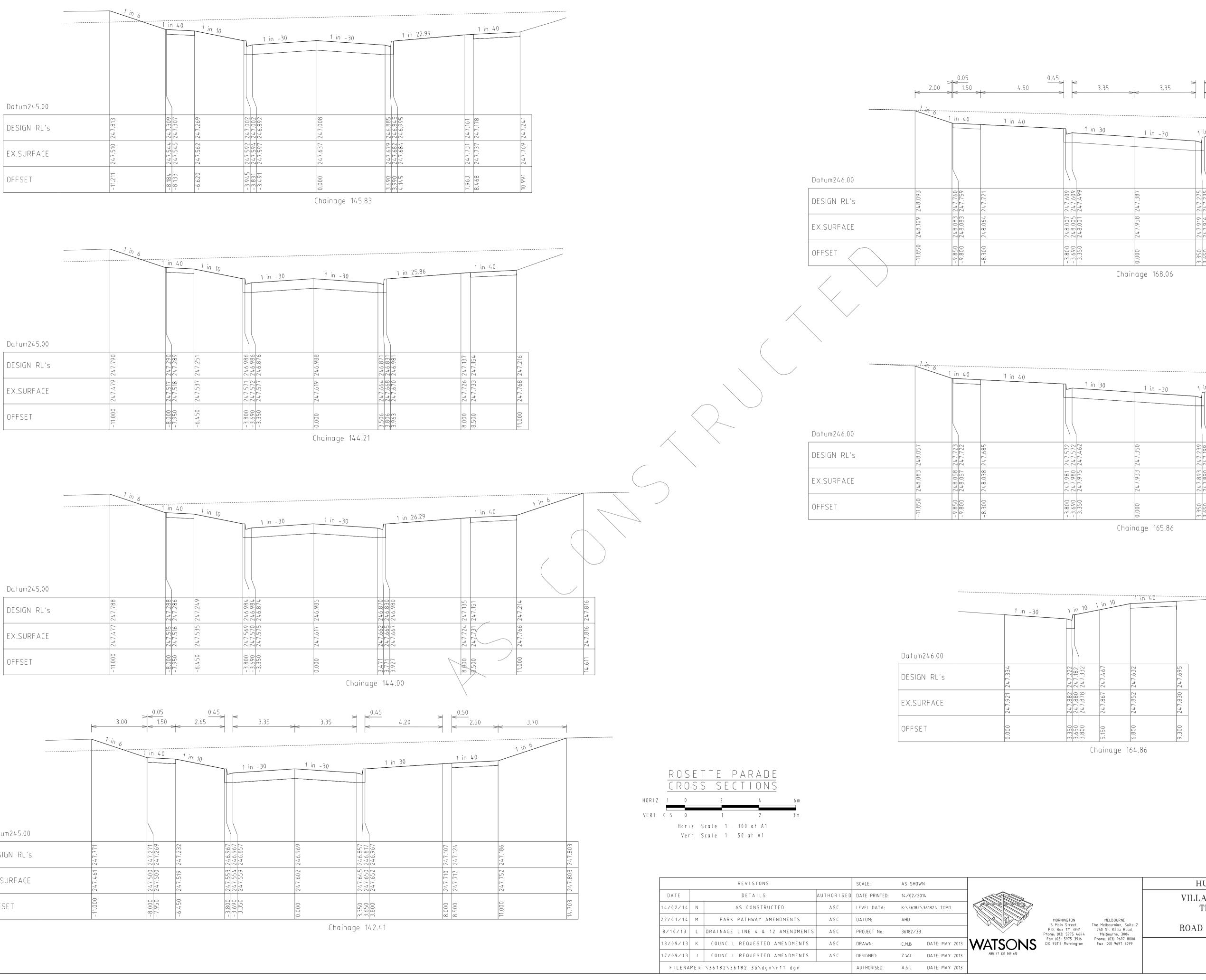
 8.000
 24.7.34.9
 24.7.367
 3.350 3.650 3.800

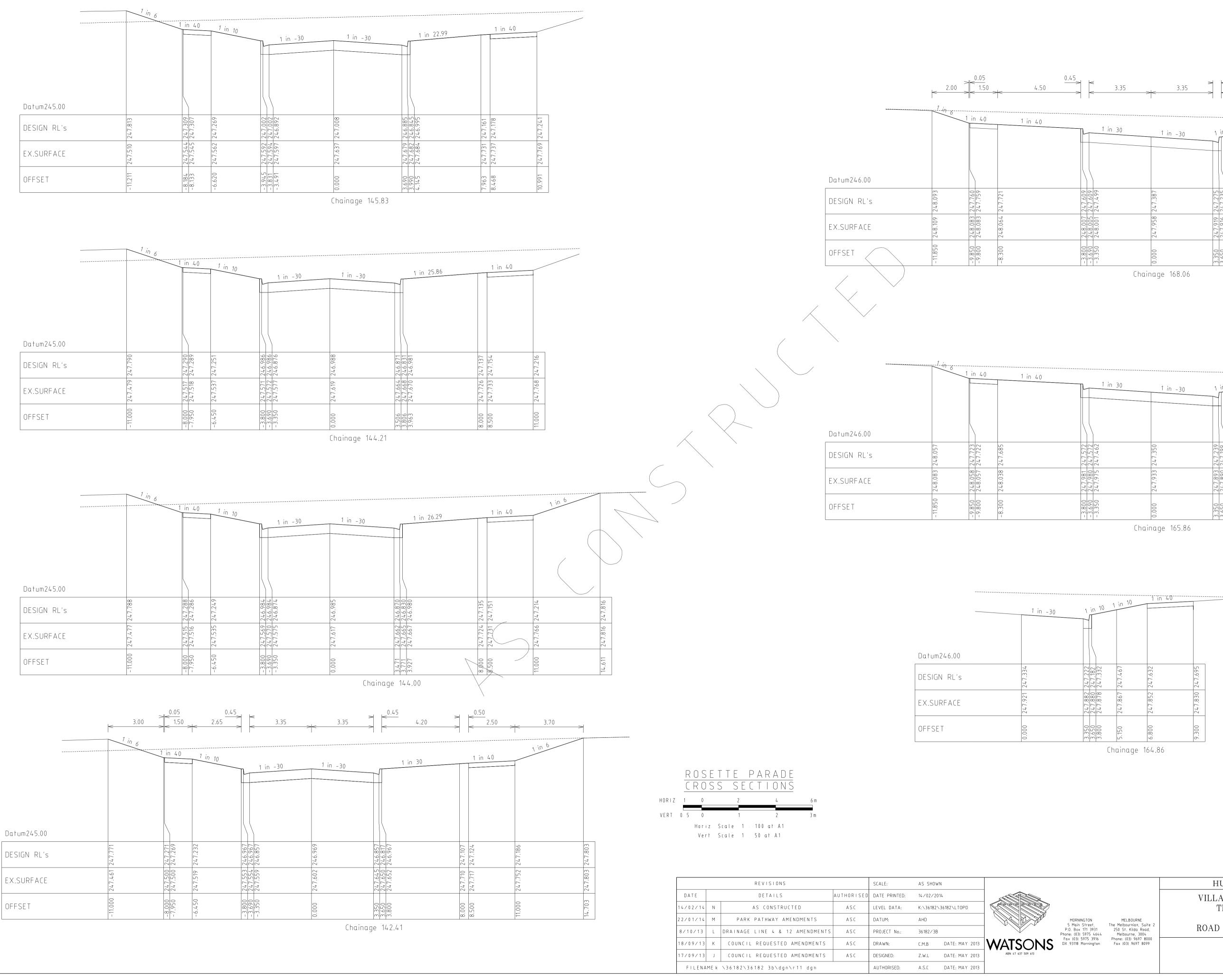
Chainage 104.20











0.45 	3.35	> 3.35	0.45 1.35	< 1.65	2.50 >	0.68	
	1 in 30	1 in -30	1 in 10 1	in 10		6	
247.609 247.609 247.499	2 2 7 2 2	241.381	247.275 247.235 247.385	247.520	247.685	247.748	- 00. / 47
248.007 248.007 248.005 248.001				247.902	247.888	247.866	100.7 + 7
-3.800 -3.690 -3.550		000.0	3.350 3.650 3.800	5.150	6.800	9.300 0.77	112.2
	(hain	7 7 0 169 06					

	1 in 30	1 in -30		in	10 1	in 10	1 in 40		
247.572 747.572		247.350	247.239	247.199	247.349		247.649		247.836
247.981 747.980	247.975	247.933	247.893	247.890	247.889	247.878	247.864	247.842	247.836
-3.800	- 3.350	000.0	3.350	3.650	3.800	5.150	6.800	9.300	10.049

HUME CITY COUNCIL PLAN NUMBER VILLAWOOD PROPERTIES P/L 36182/3B R 11 TRILLIUM STAGE 3B MICKLEHAM ROAD AND DRAINAGE PLANS revision ROSETTE PARADE CROSS SECTIONS SHEET 1 1 OF 27

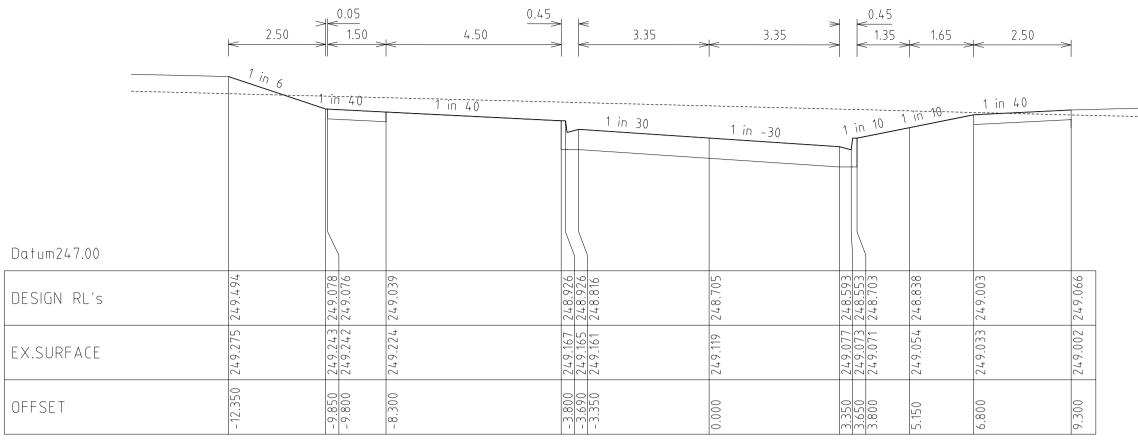


	1 in 6					
		1 in 40	1 in 40			4 10 10
				1 in 30	1 in -30	1 in 10 1 in 10
Datum246.00						
DESIGN RL's	248.366	033	994	882	.660	.548 .658 .793
DESIGN RES	248.	248. 248.	247.	<u>247</u> 247	247.	247. 247. 247.
	311	285	266	202	159	124 121 119 106
EX.SURFACE	248.311	248.	248.	248.208 248.207 248.202	248.	248.124 248.121 248.119 248.1106 248.106
		00	0			
OFFSET	11.850	9.85	8.30	- <u>- 3.800</u> - 3.690 - 3.350	0.000	<u>3.350</u> <u>3.650</u> 5.150
			1		0	

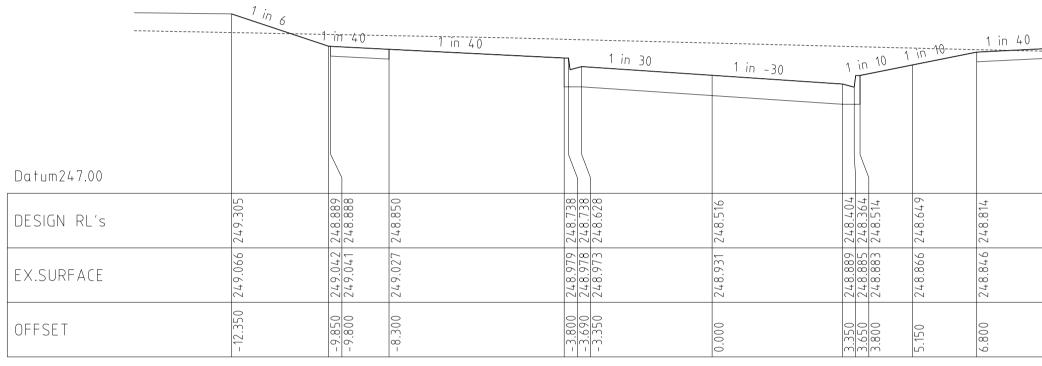
	<u>1</u> in 6-					
		1 in 40	1 in 40			1 in 10
				1 in 30	1 in -30	1 in 10 1 in 10
Datum246.00						
	275	941	606	791 791 681	569	.458 .568 .703
DESIGN RL's	248.	<u>247.</u> 247.	247.	<u>247.</u> 247.	247.	247. 247. 247.
EX.SURFACE	.242	217	.197	139	8.090	248.053 248.050 248.049 248.049 248.036
EX.SURFALE	248.	248.21	248.	248.139 248.138 248.133	248.	248. 248. 248.
OFFSET	350	00	300	3.800	0	000 0
	- 11.8	<u>-9.850</u> -9.800	С. 9-	<u>8.0.</u> .0.0.	0.000	<u> </u>

		1 in 40	1 in 40			1 in 10
				1 in 30	1 in -30	1 in 10 1 in 10
Datum246.00						
DESIGN RL's	248.186	47.	7 1 . 0 1	247.701 247.701 247.591	247.480	247.368 247.368 247.478 247.478 247.613
EX.SURFACE	248.176	4 8.	1 C1 . 0 4 2	248.073 248.073 248.067 248.067	248.024	247.986 247.986 247.982 247.982 247.968
OFFSET	- 11.850		0000-	-3.800 -3.690 -3.350	000.0	3.350 3.650 3.800 5.150

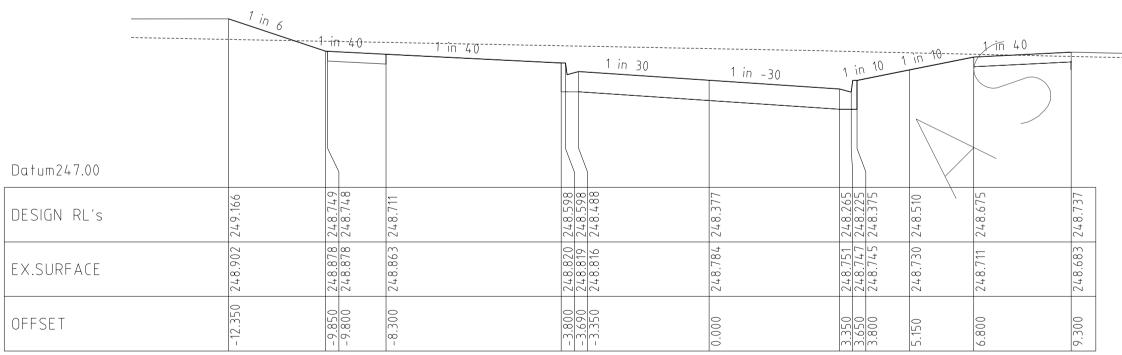
		REVISIONS		SCALE:	AS SHOV	٧N		
DATE		DETAILS	AUTHORISED	DATE PRINTED:	14/02/2	014		
14/02/14	N	AS CONSTRUCTED	ASC	LEVEL DATA:	K:\36182	\36182\LTOPO		
22/01/14	М	PARK PATHWAY AMENDMENTS	ASC	DATUM:	AHD			
8/10/13	L	DRAINAGE LINE 4 & 12 AMENDMENTS	ASC	PROJECT No.:	36182/38	3		P
18/09/13	К	COUNCIL REQUESTED AMENDMENTS	ASC	DRAWN:	C.M.B	DATE: MAY 2013	WATSONS	[
17/09/13	J	COUNCIL REQUESTED AMENDMENTS	ASC	DESIGNED:	Z.W.L	DATE: MAY 2013	ABN 47 637 509 613	
FILENA	ME k	.∖36182∖36182_3b∖dgn∖r12. dgn		AUTHORISED:	A.S.C	DATE: MAY 2013		



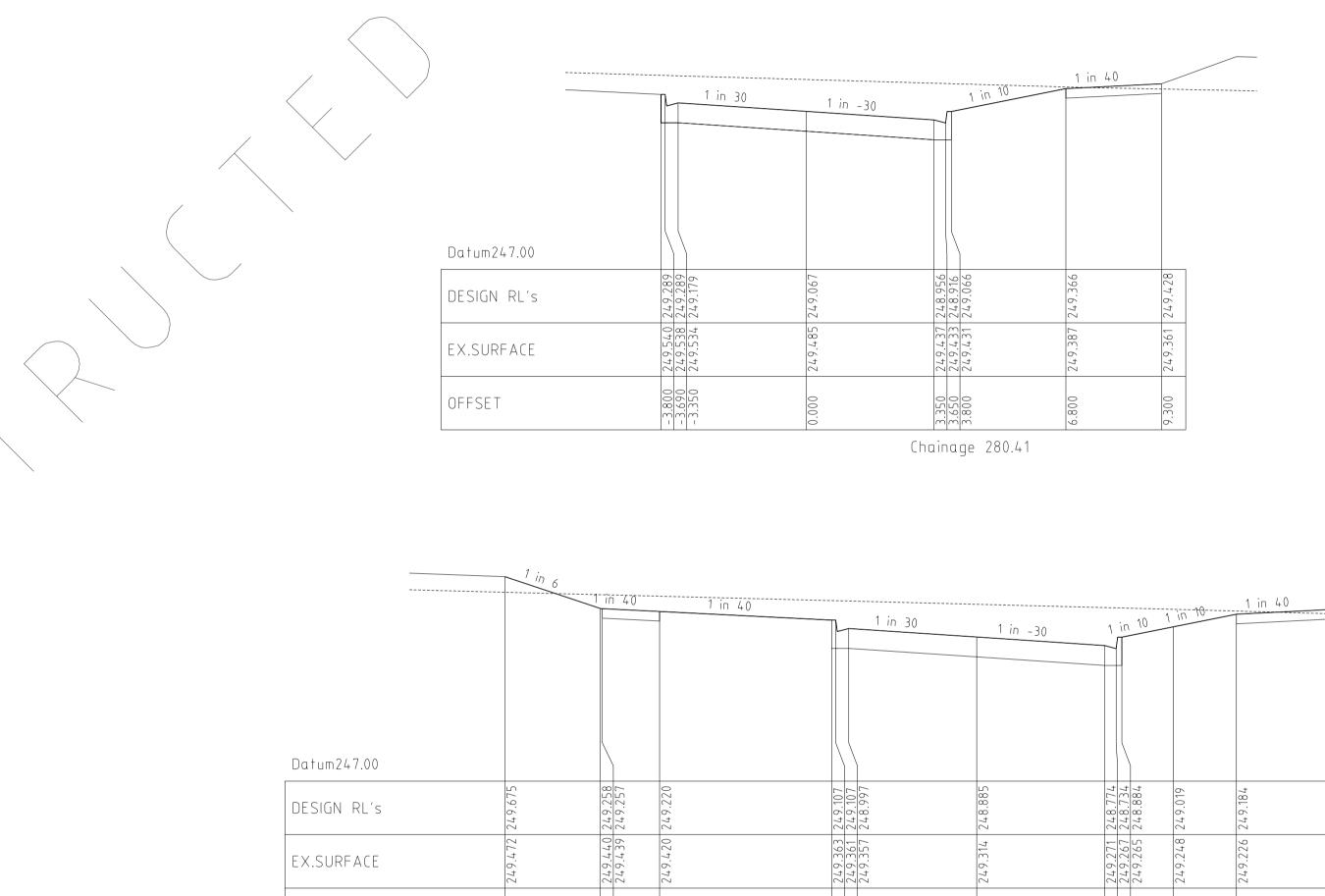
Chainage 254.56



Chainage 242.06



Chainage 232.86



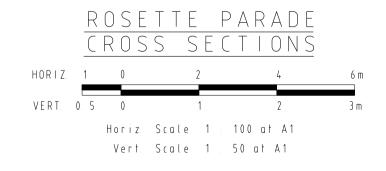
249. 249. 248.

249.363 249.361 249.357

-3.800 -3.690 -3.350

Chainage 267.06

	1 in 6		
		in 40	1 in 40
Datum247.00			
DESIGN RL's	9.6	249.258 249.257	249.220
EX.SURFACE	249.472	249.440 249.439	249.420
OFFSET	- 12.350	-9.850 -9.800	- 8.300



		REVISIONS		SCALE:	AS SHOV	√N		
DATE		DETAILS	AUTHORISED	DATE PRINTED:	14/02/2	014		
14/02/14	N	AS CONSTRUCTED	A S C	LEVEL DATA:	K:\36182	\36182\LTOPO		
22/01/14	М	PARK PATHWAY AMENDMENTS	A S C	DATUM:	AHD			
8/10/13	L	DRAINAGE LINE 4 & 12 AMENDMENTS	ASC	PROJECT No.:	36182/3E	}		Phi
18/09/13	К	COUNCIL REQUESTED AMENDMENTS	A S C	DRAWN:	C.M.B	DATE: MAY 2013	WATSONS	F D)
17/09/13	J	COUNCIL REQUESTED AMENDMENTS	ASC	DESIGNED:	Z.W.L	DATE: MAY 2013	ABN 47 637 509 613	
FILENA	ME k	\36182\36182 3b\dgn\r13. dgn		AUTHORISED:	A.S.C	DATE: MAY 2013		

HUME CITY COUNCIL PLAN NUMBER VILLAWOOD PROPERTIES P/L 36182/3B R13 TRILLIUM STAGE 3B MICKLEHAM
 MORNINGTON
 MELBOURNE

 5 Main Street,
 The Melbournian, Suite 2

 P.O. Box 171 3931
 250 St. Kilda Road,

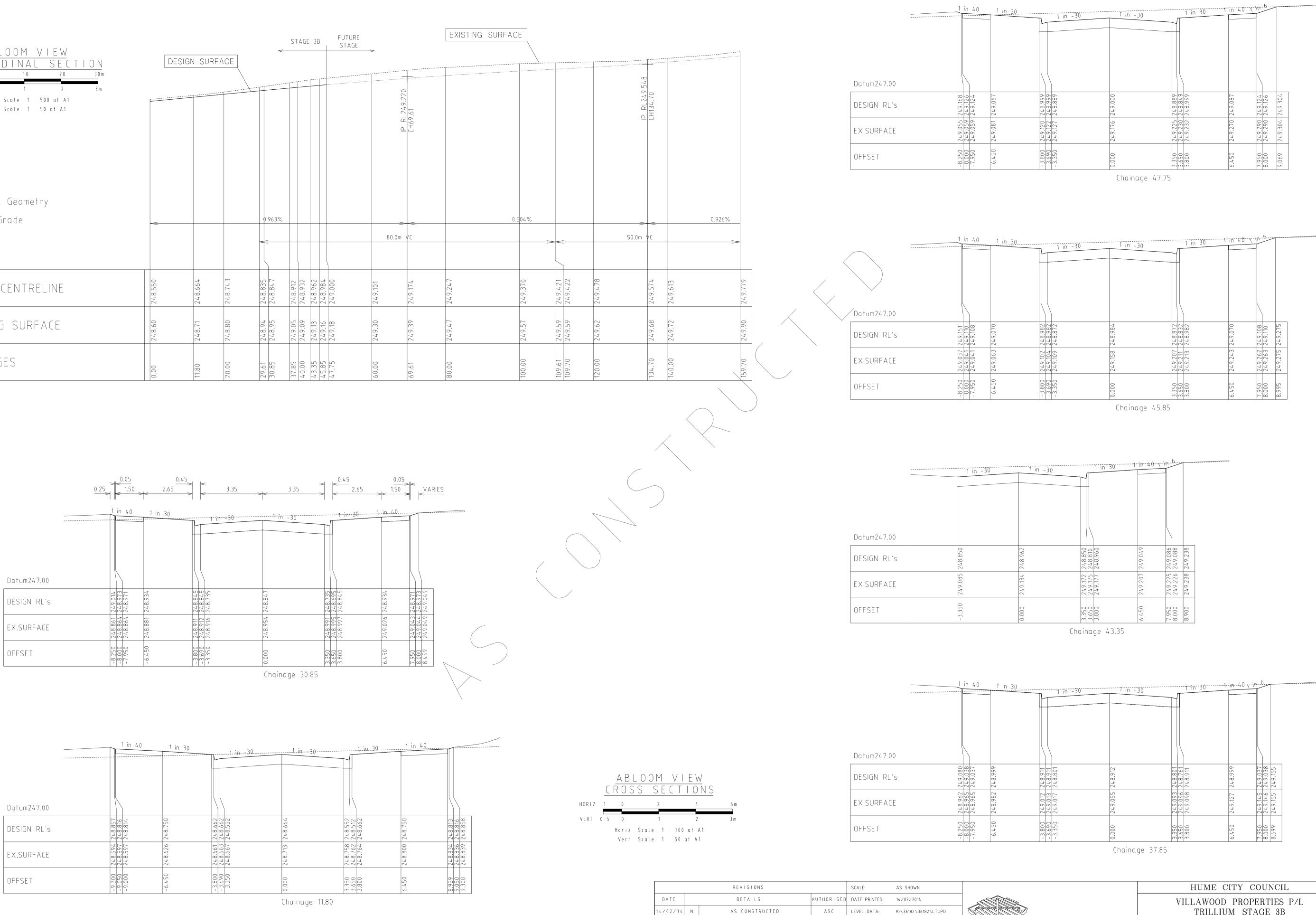
 Phone: (03) 5975 4644
 Melbourne, 3004

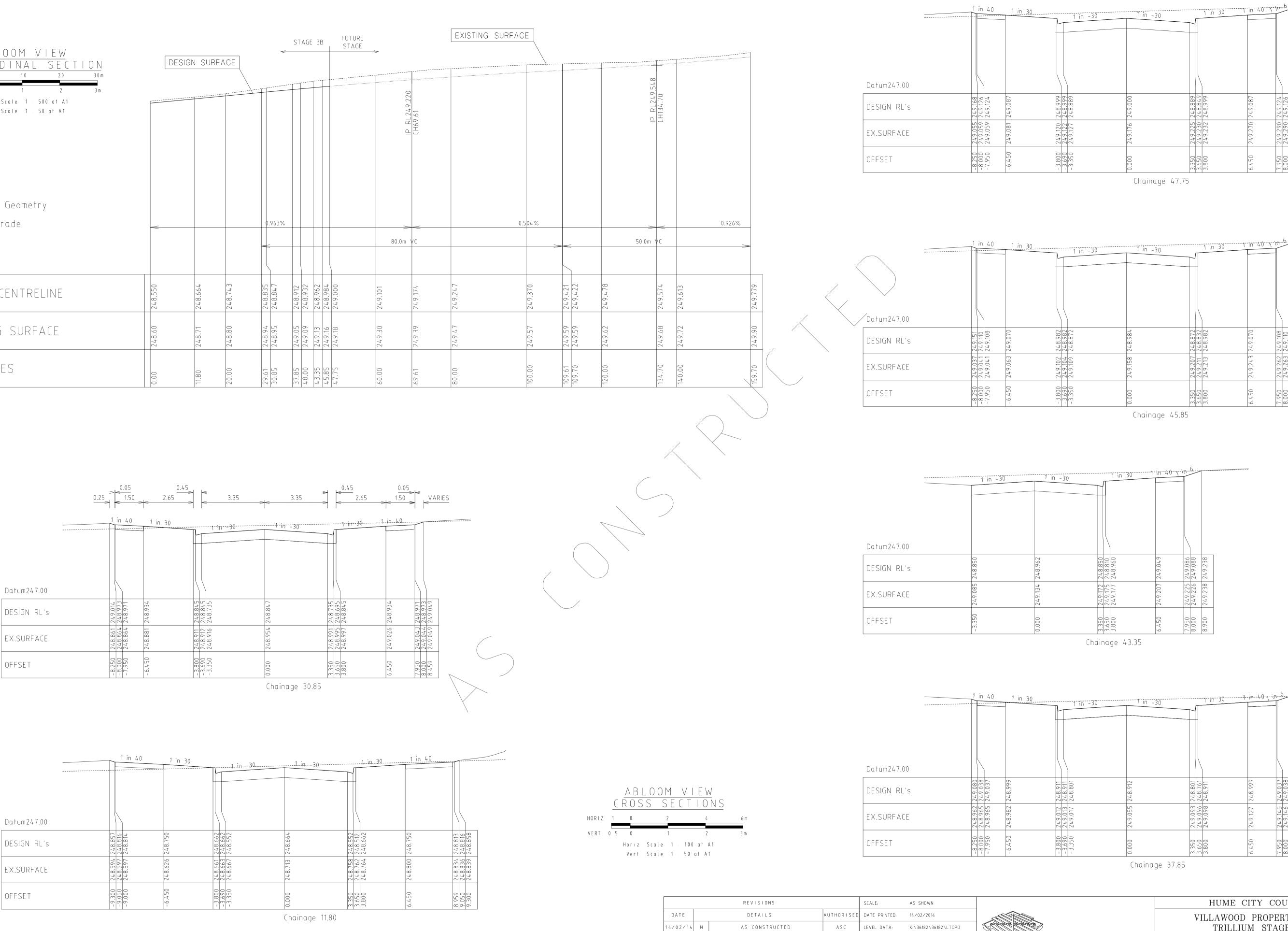
 Fax (03) 5975 3916
 Phone: (03) 9697 8000

 DX 93118 Mornington
 Fax (03) 9697 8099
 ROAD AND DRAINAGE PLANS ROSETTE PARADE CROSS SECTIONS SHEET 1 3 OF 27

3.350 3.650 3.800

					STAC	JE 3B	FUTU I STA			EXIST
ABLOOM VIEW LONGITUDINAL SECTION HORIZ 5 0 10 20 30m VERT 0 5 0 1 2 3m Horiz Scale 1 500 at A1 Vert. Scale 1 50 at A1		SIGN SUR						>	IP_RL249.220 CH69.61	
									IP RL2 CH69.6	
Horizontal Geometry										
Vertical Grade	<			0.963%					~~~	
VC length				<				80	.0m VC	
Datum R.L.244										
DESIGN CENTRELINE	248.550	248.664	248.743	248.835 248.847	248.912 248.932	248.962	249.000 249.000	249.101	249.174	249.247
EXISTING SURFACE	248.60	248.71	248.80	248.94 248.95	249.05 249.09	249.13	249.16 249.18	249.30	249.39	249.47
CHAINAGES	00.0	11.80	20.00	29.61 30.85	37.85 40.00	43.35	47.75	60.00	69.61	80.00





22/01/14 M

PARK PATHWAY AMENDMENTS

8/10/13 L DRAINAGE LINE 4 & 12 AMENDMENTS

18/09/13 K COUNCIL REQUESTED AMENDMENTS

7/09/13 J COUNCIL REQUESTED AMENDMENTS

FILENAME k:\36182\36182_3b\dgn\r14.dgn

ASC

ASC

ASC

ASC

DATUM:

DRAWN:

DESIGNED:

AHD

AUTHORISED: A.S.C DATE: MAY 2013

C.M.B DATE: MAY 201

Z.W.L DATE: MAY 2013

WATSONS

PROJECT No.: 36182/3B

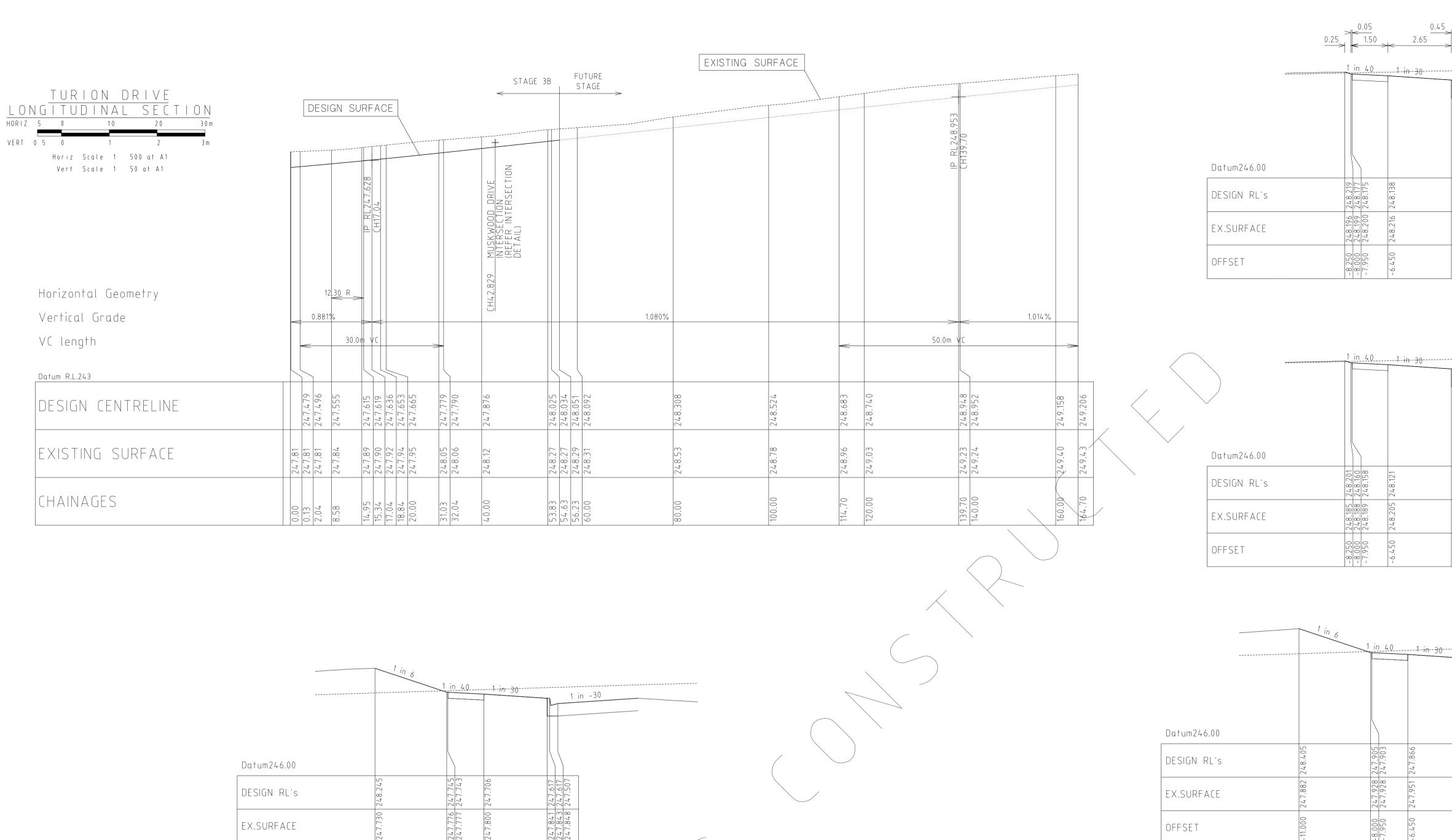
		HUME CITY COUNCIL	PLAN NUMBER
MORNINGTON 5 Main Street, P.O. Box 171 3931 Phone: (03) 5975 4644	5 Main Street, The Melbournian, Suite 2 P.O. Box 171 3931 250 St. Kilda Road,	VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 3B MICKLEHAM ROAD AND DRAINAGE PLANS	36182/3B R14
⁻ ax (03) 5975 3916 Pho	Phone: (03) 9697 8000 Fax (03) 9697 8099	ABLOOM VIEW	revision N
		LONGITUDINAL & CROSS SECTIONS	SHEET 1 4 OF 27

		-30	1 in -30		-	1 10 20 1				
L	Τ			\square						
$\langle \rangle$										
) \									
_	1	01	12	01	61	11	66	37	80 M	22
+ 0. Υ	4.8	248.801	248.912	8.0	48.7	248.911	248.999	0.6+	249.038	249.155
-	-									
V I Z	013	011	022	093	960	098	127	145	146	155
(49.	249.	249.017	249.055	249.	249.	249.098	249.127	249.	249.146	249.155
							()	. \	. 7	. 7
200	690	- 3.350	00	09	00	00	20	0	00	66
- J.	- 		0.000	<u>10.0</u>	3.6'	3.800	6.450	7.91	8.000	8.699

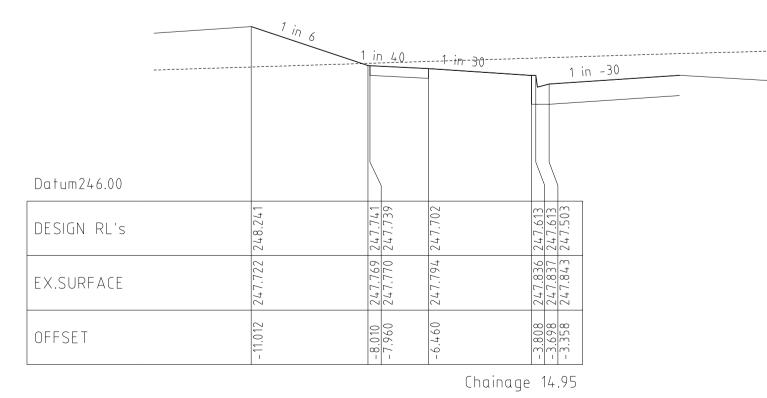
248.982 248.982	248.872	248.984	248.872	248.832	248.982	249.070	249.108	249.110	749.775
249.102 249.104	249.109	249.158	249.207	249.211	249.213	249.243	249.262	249.263	749,275
-3.800 -3.690	- 3.350	0.000	3.350	3.650	3.800	6.450	7.950	8.000	8.995
		Chainage 45.85							

Chainage	47.75
----------	-------

249.120 248.999 249.127 248.889 249.127 248.889 249.176 249.000 249.176 249.000 249.176 249.000 249.176 249.000 249.176 249.000 249.176 249.000 249.176 249.000 249.176 249.000 249.230 248.899 249.231 248.999 249.232 248.999 249.230 249.087 249.230 249.9087 249.230 249.087 249.230 249.304 249.230 249.304	-	111 - 50						
249.120 249.127 249.127 249.127 249.127 249.255 249.230 249.230 249.230 249.230 249.230 249.230 249.230 249.230 249.230 249.230				\neg				
249.120 249.127 249.127 249.127 249.127 249.255 249.230 249.230 249.230 249.290 249.290 249.290 249.290								
249.120 249.127 249.127 249.127 249.127 249.255 249.230 249.230 249.230 249.230 249.230 249.230 249.230 249.230 249.230 249.230								
249.120 249.127 249.127 249.127 249.127 249.255 249.230 249.230 249.230 249.230 249.230 249.230 249.230 249.230 249.230 249.230								
249.120 249.127 249.127 249.127 249.127 249.255 249.230 249.230 249.230 249.230 249.230 249.230 249.230 249.230 249.230 249.230								
249.120 249.127 249.127 249.127 249.127 249.255 249.230 249.230 249.230 249.230 249.230 249.230 249.230 249.230 249.230 249.230								
249.120 249.127 249.127 249.127 249.127 249.255 249.230 249.230 249.230 249.290 249.290 249.290 249.290	00	89	00	89	99	87	24 26	04
249.120 249.127 249.127 249.127 249.127 249.255 249.230 249.230 249.230 249.230 249.230 249.230 249.230 249.230 249.230 249.230	0 8.7	4 8 . 9 4 8 . 9	4.9.0	4 8.8 / 8.8	40.0	49.0	49.1 49.1	4 9.3
	(
	120	127	176	225	232	270	290 290	304
	0.7	t + 0.	. 6 7	10	4 9.	49.	49.	49.
		102 02				7	77	
	00	20	0	00		0	00	6
		<u>100</u>	0.00	3.35 2.65	no. 1.80 8.0	6.45	7.95 8.00	9.06
			11					



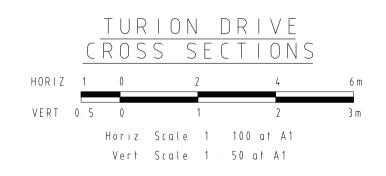


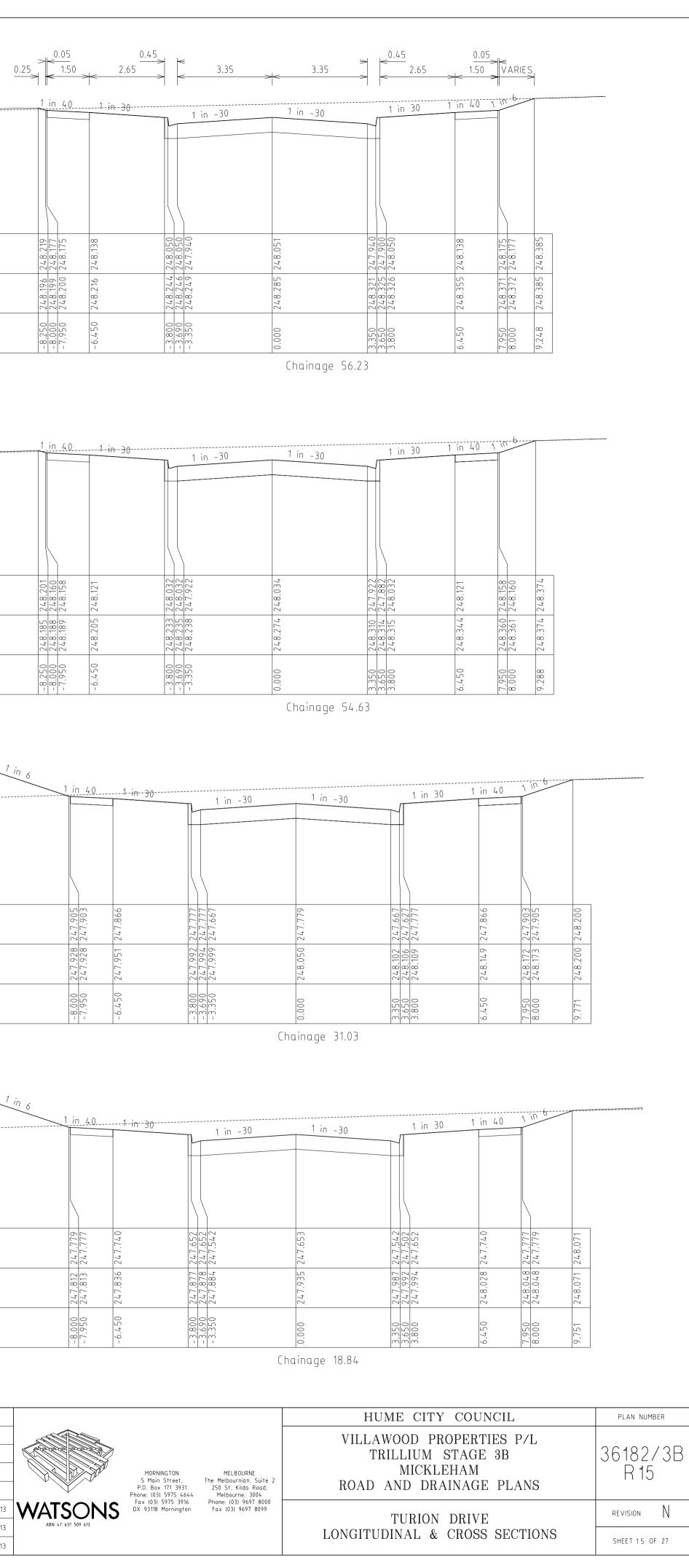


	1 in 6		<u>)4_0</u>	
Datum246.00				
DESIGN RL's	248.279	247.779	247.777	247.740
EX.SURFACE	247.765	247.812	247.813	247.836
OFFSET	-11.000	-8.000	-7.950	-6.450

		REVISIONS		SCALE:	AS SHO	WN		
DATE		DETAILS	AUTHORISED	DATE PRINTED:	14/02/2	014		
14/02/14	N	AS CONSTRUCTED	ASC	LEVEL DATA:	K:∖36182	2\36182\LTOPO		
22/01/14	М	PARK PATHWAY AMENDMENTS	ASC	DATUM:	AHD			
8/10/13	L	DRAINAGE LINE 4 & 12 AMENDMENTS	A S C	PROJECT No.:	36182/3	В		l Pho
18/09/13	К	COUNCIL REQUESTED AMENDMENTS	ASC	DRAWN:	C.M.B	DATE: MAY 2013	WATSONS	F D>
17/09/13	J	COUNCIL REQUESTED AMENDMENTS	ASC	DESIGNED:	Z.W.L	DATE: MAY 2013	ABN 47 637 509 613	
FILENA	ME k	∴\36182\36182_3b\dgn\r15. dgn		AUTHORISED:	A.S.C	DATE: MAY 2013		

OFFSET





Μ	USK	WOOD	DRIVE	-
LONG	ITU	DINA	L SECT	ION
HORIZ 5	0	10	2 0	30 m
VERT. 0.5	0	1	2	3 m
	Horiz	Scale 1	500 at A1	
	Vert	Scale 1	50 at A1	

Horizontal Geometry Vertical Grade VC length

Datum R.L.242

DESIGN CENTRELINE

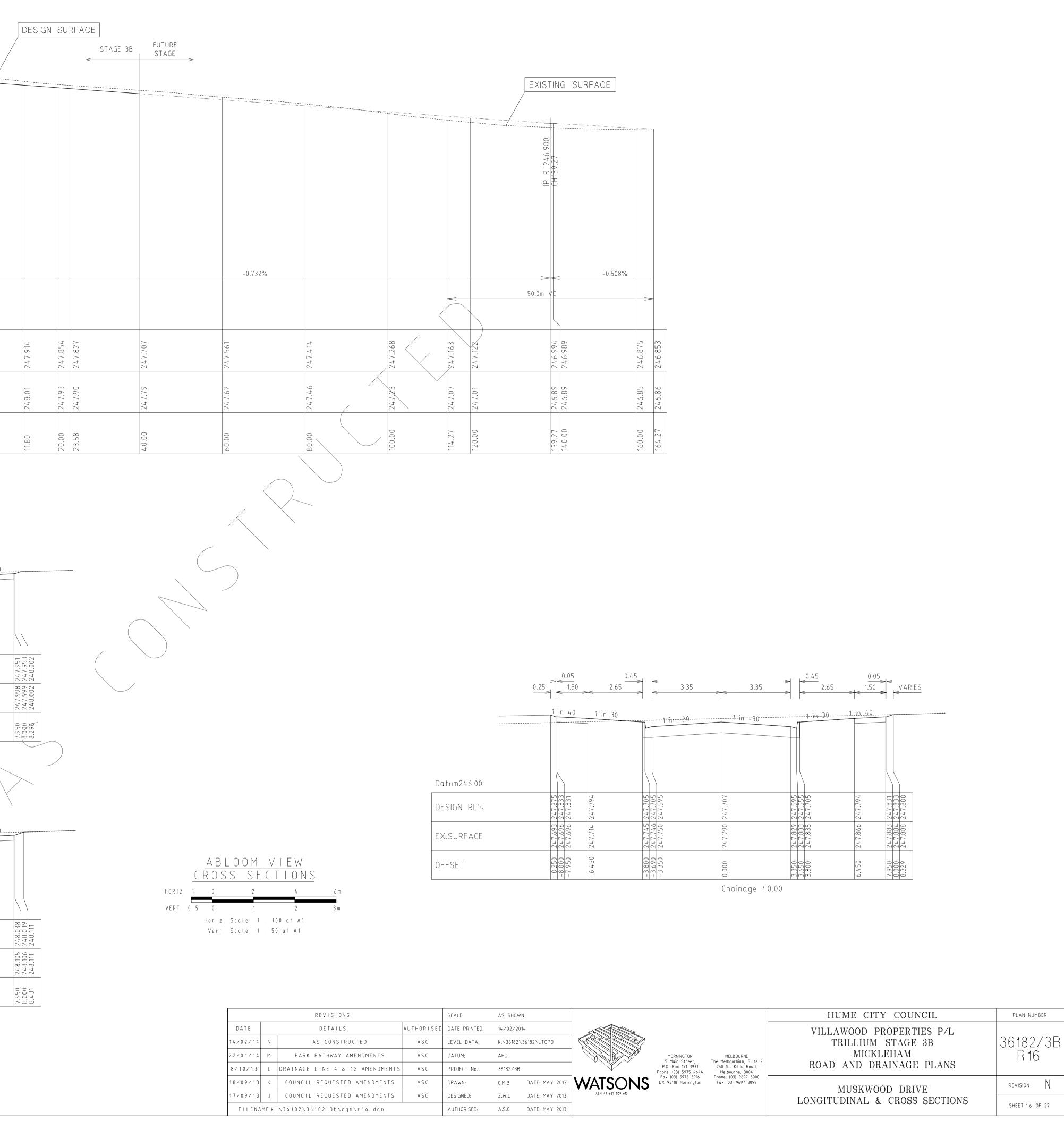
EXISTING SURFACE

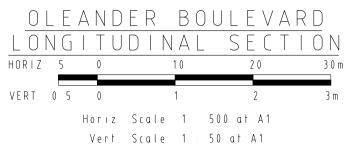
CHAINAGES

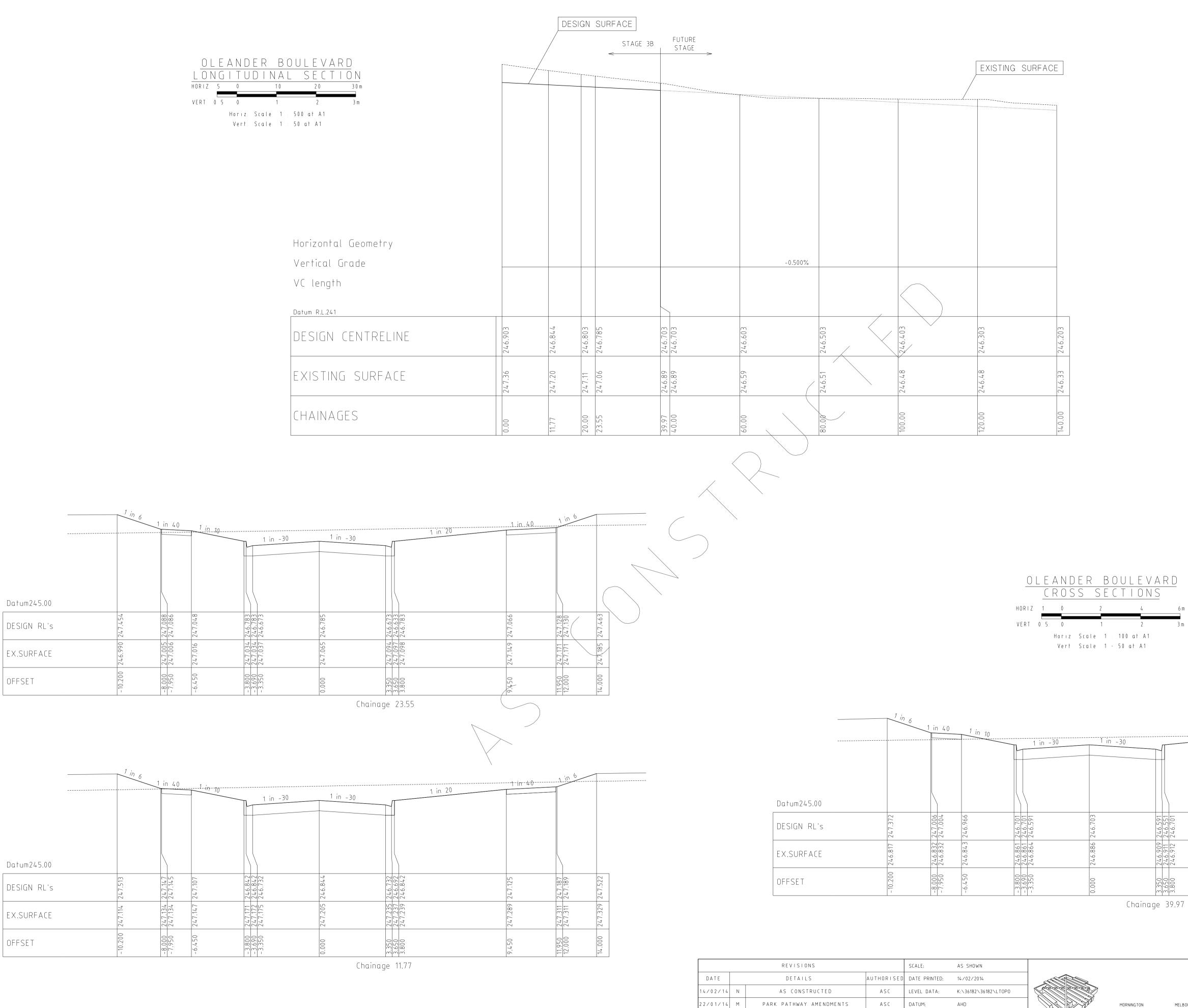
	1 in 40	1 in 30			1-in30	<u>1 in 40</u>
Datum246.00						
DESIGN RL's	247.995 247.953 247.951	247.914	<u>247.826</u> <u>247.826</u> 247.716	247.827	247.716 247.676 247.826	247.914
EX.SURFACE	247.808 247.811 247.811	247.829	247.860 247.862 247.866	247.905	247.944 247.948 247.950	247.981
OFFSET	-8.250 -8.000 -7.950	-6.450	- <u>-3.800</u> - <u>3.690</u> -3.350	0.000	<u>3.350</u> 3.650 3.800	6.450
				Chainage 23	.58	

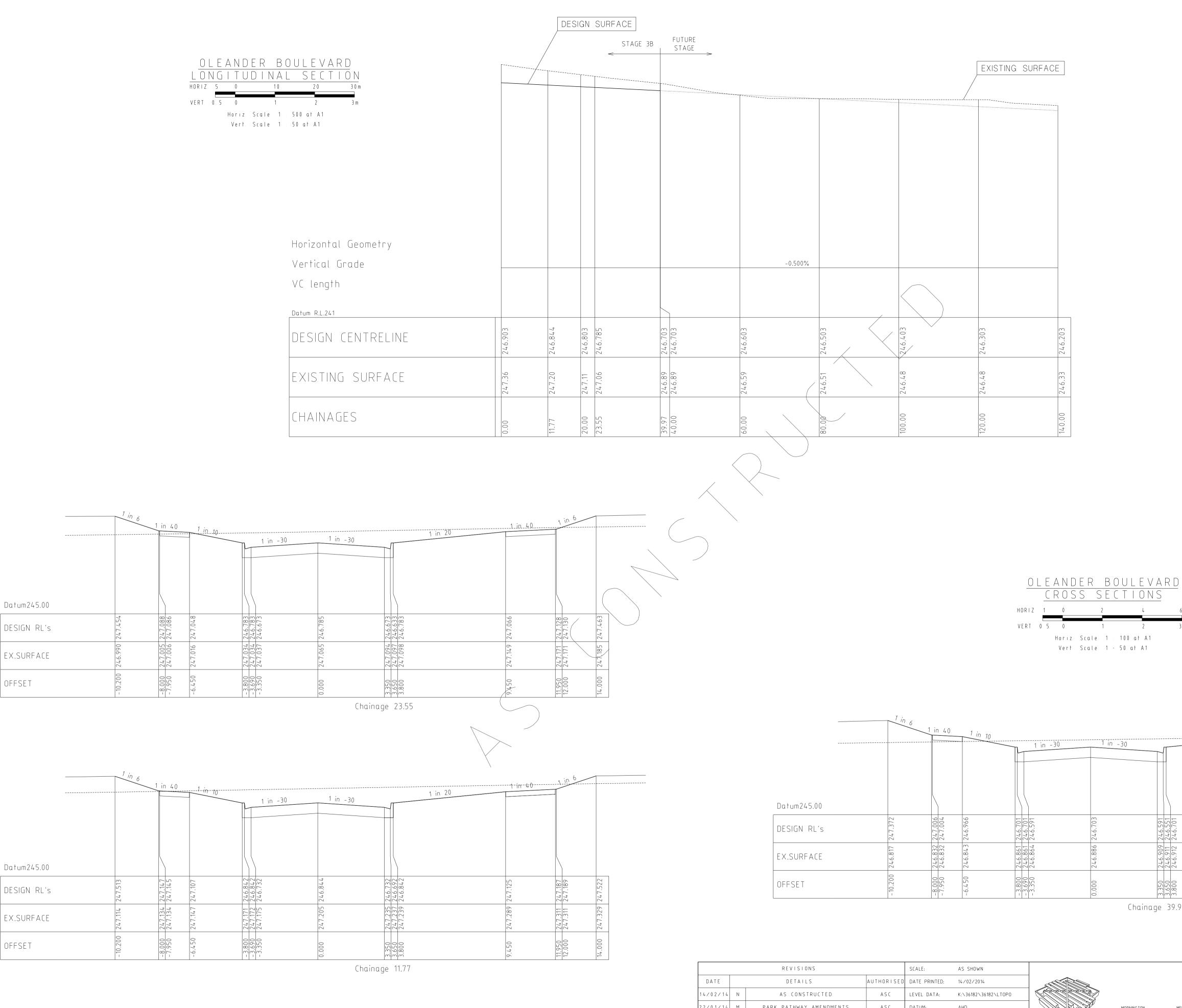
	1 in 40	1 in 30	<u></u> 1-im= 3 0	1-in=-30-		<u>1_in4_0</u>
Datum246.00						
DESIGN RL's	248.081 248.039 248.038 248.038	8.000	7.912	7.914	7.912	248.000
		24	<u>54</u>	9 24	24.	
EX.SURFACE	247.909 247.912 247.913	247.931	247.963 247.964 247.968	248.009	248.050 248.053 248.055	248.087
OFFSET	-8.250 -8.000 -7.950	-6.450	-3.800 -3.690 -3.350	0.000	<u>3.350</u> 3.650 3.800	6.450

Chainage 11.80









AUTHORISED:

DRAWN:

DESIGNED:

PROJECT No.: 36182/3B

C.M.B DATE: MAY 201

Z.W.L DATE: MAY 2013

ASC

ASC

ASC

8/10/13 L DRAINAGE LINE 4 & 12 AMENDMENTS

18/09/13 K COUNCIL REQUESTED AMENDMENTS

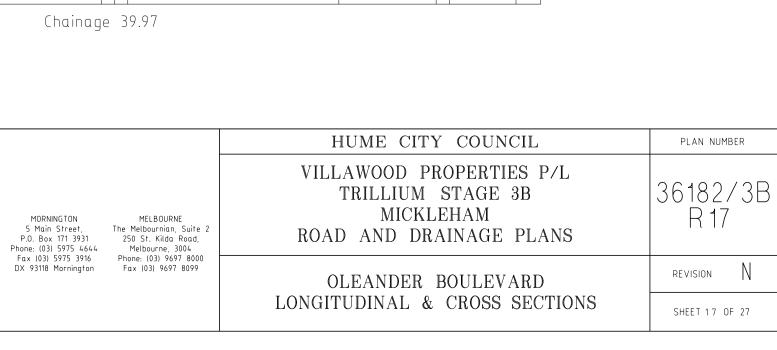
7/09/13 J COUNCIL REQUESTED AMENDMENTS

FILENAME k∶∖36182∖36182_3b∖dgn∖r17. dgn

A.S.C DATE: MAY 2013

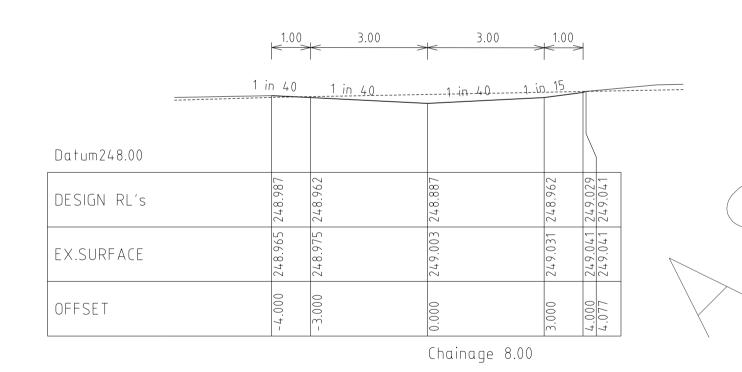
WATSONS

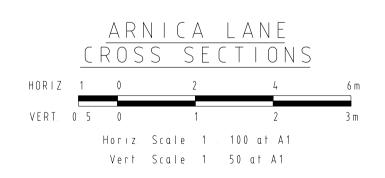
ABN 47 637 509 613



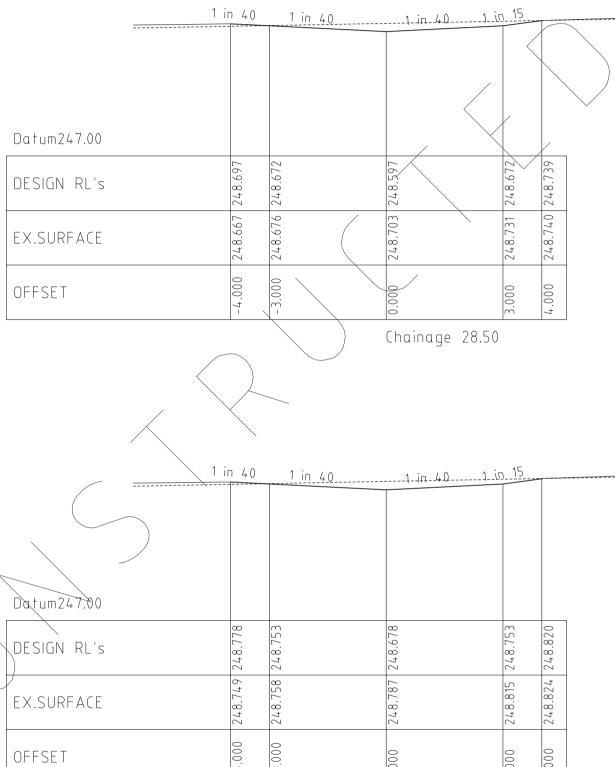
	1-in-20	1 in 40	in 6	
in -30	H2			
01	č	× v 004	0 00 t t t	8
246.591 246.551 246.701		246.984 22.701.6	247.048	247.381
246.909 246.911 246.912		246.953 246.953	246.971	246.984
	c			0
<u>3.350</u> 3.800	L	9.450 11 050	12.000	14.000

ARNICA LANE LONGITUDINAL SECTION HORIZ 5 0 10 20 30m VERT 0 5 0 1 2 3m Horiz Scale 1 : 500 at A1 Vert Scale 1 : 50 at A1				XIS	TING	SURF					IP RL248.240	(H53.79			
Horizontal Geometry															
Vertical Grade				_	1.413%						->-	<-3.7	747%	ວ	
VC length								V		30.	.0m V	С			\land
Datum R.L.243)		\rightarrow	
DESIGN CENTRELINE	249.000	248.887	248.760	248.717	248.678	248.597	248.512	248.452	248.434 248.426	248.325	248.197	248.152	247.977	247.946	241.744
EXISTING SURFACE	249.11	249.00	248.87	248.83	248.79	248.70	248.63	248.58	248.57 248.56	248.48	248.40	248.38	248.29	248.28 27.8.28	740.70
CHAINAGES	0.00	8.00	17.00	20.00	22.75	28.50	34.50	38.79	40.00 40.50	46.25	52.00	53.79	60.00	61.00 61.05	rn.10





248.512	248.587	248.654 248.670		
248.632 248.512	248.660	248.669 248.670		
000.0	3.000	4.000 4.094		
Chainage 34.50	О			
1.in.401.	<u>n 15</u>			
	$\left[\right] <$			
248.703 248.597	248.731 248.672	248.74.0 248.739		



1 in 40 1 in 40 1 in -40 1 in -15

48.612

248.59

-4.000

48.587

248.60

0		m
Chainage	22.75	

4

Datum247.0
DESIGN RL
EX.SURFAC
OFFSET

OFFSET

OFFSET

DESIGN RL's	48.8	248.835	48	48.83	248.901
EX.SURFACE	8.83.	248.843	80. 80	48.89	248.909
OFFSET	-4.000	- 3.000	000.0	00.	4.000
			Chainage 17.00		

1 in 40 1 in 40 1 in 40 1 in 40

		REVISIONS		SCALE:	AS SHOV	√N	
DATE		DETAILS	AUTHORISED	DATE PRINTED:	14/02/2	014	
14/02/14	Ν	AS CONSTRUCTED	ASC	LEVEL DATA:	K:\36182	\36182\LTOPO	
22/01/14	М	PARK PATHWAY AMENDMENTS	A S C	DATUM:	AHD		
8/10/13	L	DRAINAGE LINE 4 & 12 AMENDMENTS	A S C	PROJECT No.:	36182⁄3E	3	
18/09/13	К	COUNCIL REQUESTED AMENDMENTS	ASC	DRAWN:	C.M.B	DATE: MAY 2013	WATSONS
17/09/13	J	COUNCIL REQUESTED AMENDMENTS	ASC	DESIGNED:	Z.W.L	DATE: MAY 2013	ABN 47 637 509 613
FILENA	ME k	.∖36182∖36182_3b∖dgn∖r18. dgn		AUTHORISED:	A.S.C	DATE: MAY 2013	

SIGN SURFACE

Datum247.00

DESIGN RL's

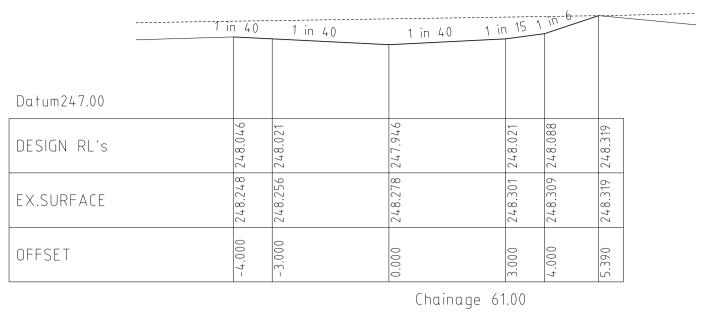
EX.SURFACE

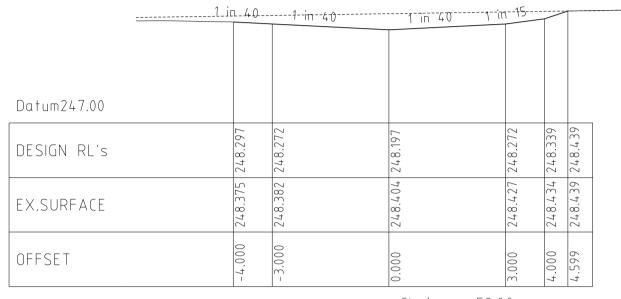
Datum248.00

OFFSET

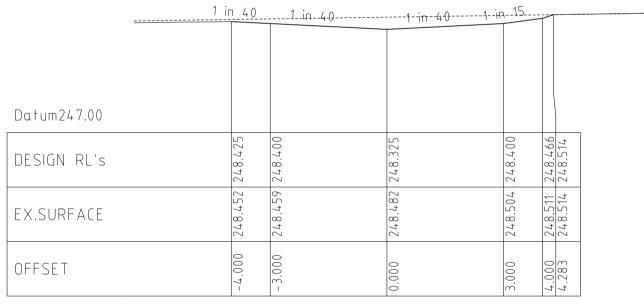
247.678 247.670 248.17 248.16

68.79 68.99

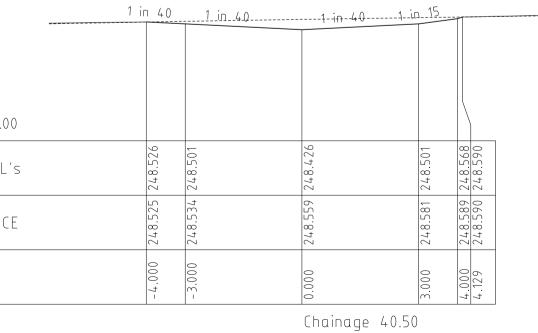




Chainage 52.00



Chainage 46.25

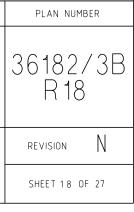




VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 3B MICKLEHAM ROAD AND DRAINAGE PLANS

HUME CITY COUNCIL

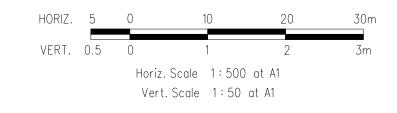
ARNICA LANE LONGITUDINAL & CROSS SECTIONS

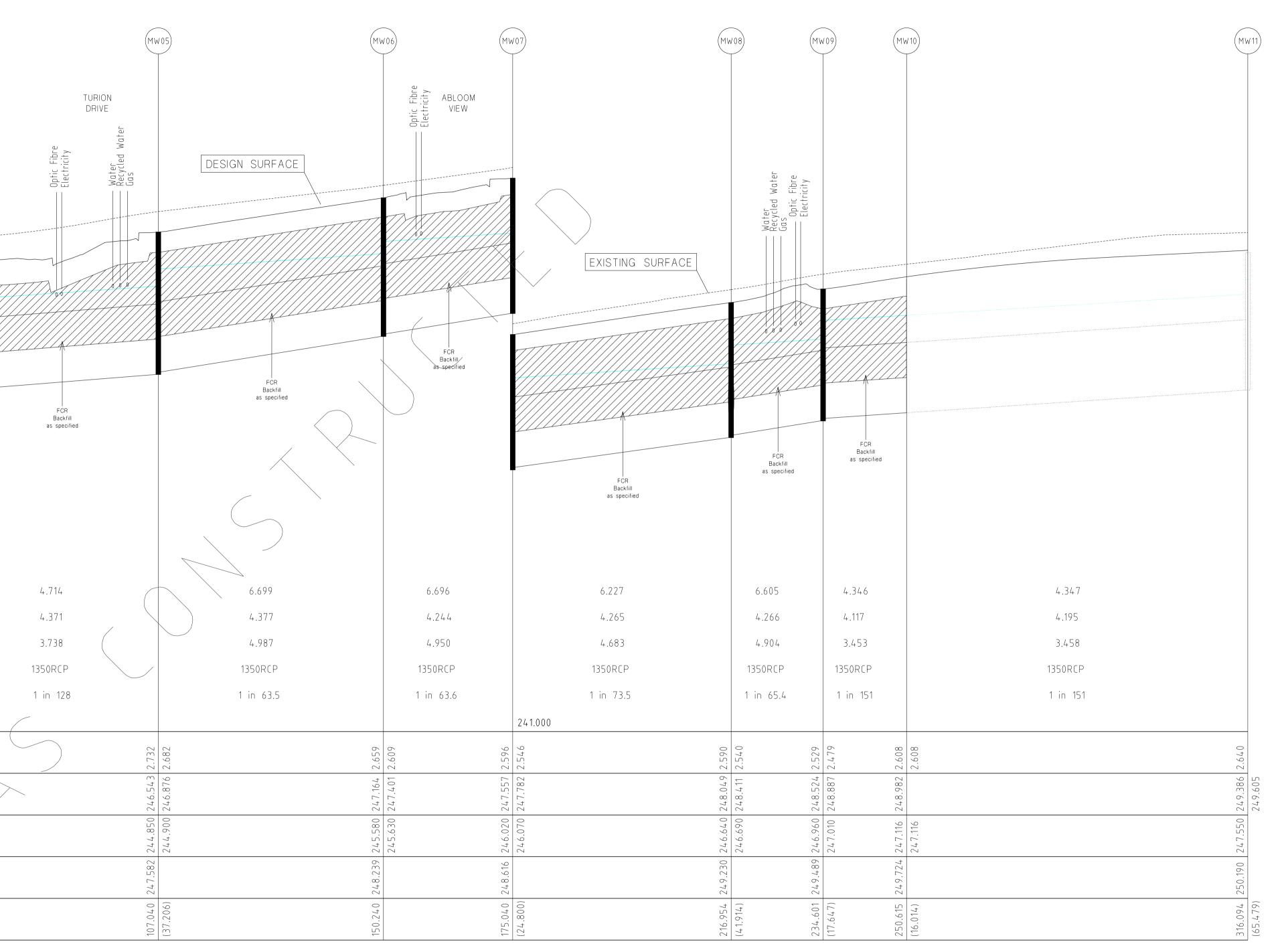


	MV	V01	(MW02		M	W 0 3	MW	04
						Water	Kecycled water Gas Optic Fibre Electricity	
	Temporary Outfall	FCR Backtill as specified		1 225mm IL 243536 CLR 0.302	FCR Backfill s specified	Ba	ECR ackfill pecified	
CAPACITY (m3/s)		5.001		4.6		7.104		
FLOW (m3/s) VELOCITY (m/s)		4.568 3.207		4.3	75	4.34		
PIPE SIZE (mm)		1500RCP		1500	RCP	1500R	CP	
GRADE		1 in 200		1 in	234	1 in 9	9.1	
Datum R.L.		238.000						
DEPTH TO INVERT	2.895	2.845	2.845 2.695		2.710		2.610	72.460
H.G.L. LEVELS	245.220	245.388	245.505 27.5675		245.754	245.999	246.078	246.293
INVERT LEVELS	243.720	243.770 2	243.910 2 244.060	244.063	244.150		244.410	244.560
FINISHED SURFACE LEVELS	246.615	5	246.755 2	5	246.860		247.020	2
CHAINAGE (LENGTH)	0.000		28.000 2 (28.00)	131	49.025 2	~	69.835 2	(20.809)

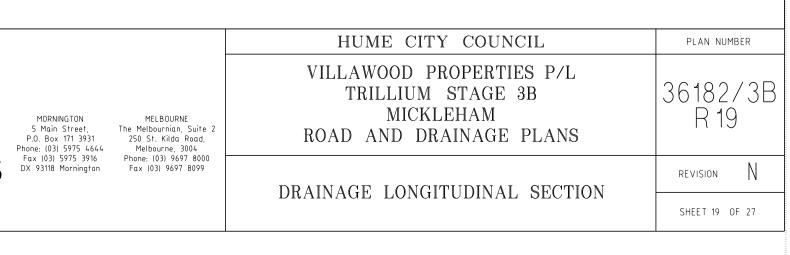
DRAINAGE LONGITUDINAL SECTION

NOTE: LOCATION OF GAS, WATER, TELSTRA & ELECTRICITY SERVICES INDICATIVE ONLY



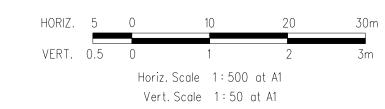


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	8 / 1 0 / 1 3	L	DRAINAGE LINE 4 & 12 AMENDMENT	S ASC	PROJECT No.:	36182/3B		
	18/09/13	К	COUNCIL REQUESTED AMENDMENTS	A S C	DRAWN:	C.M.B	DATE: MAY 2013	WATSONS
	17/09/13	J	COUNCIL REQUESTED AMENDMENTS	A S C	DESIGNED:	Z.W.L	DATE: MAY 2013	ABN 47 637 509 613
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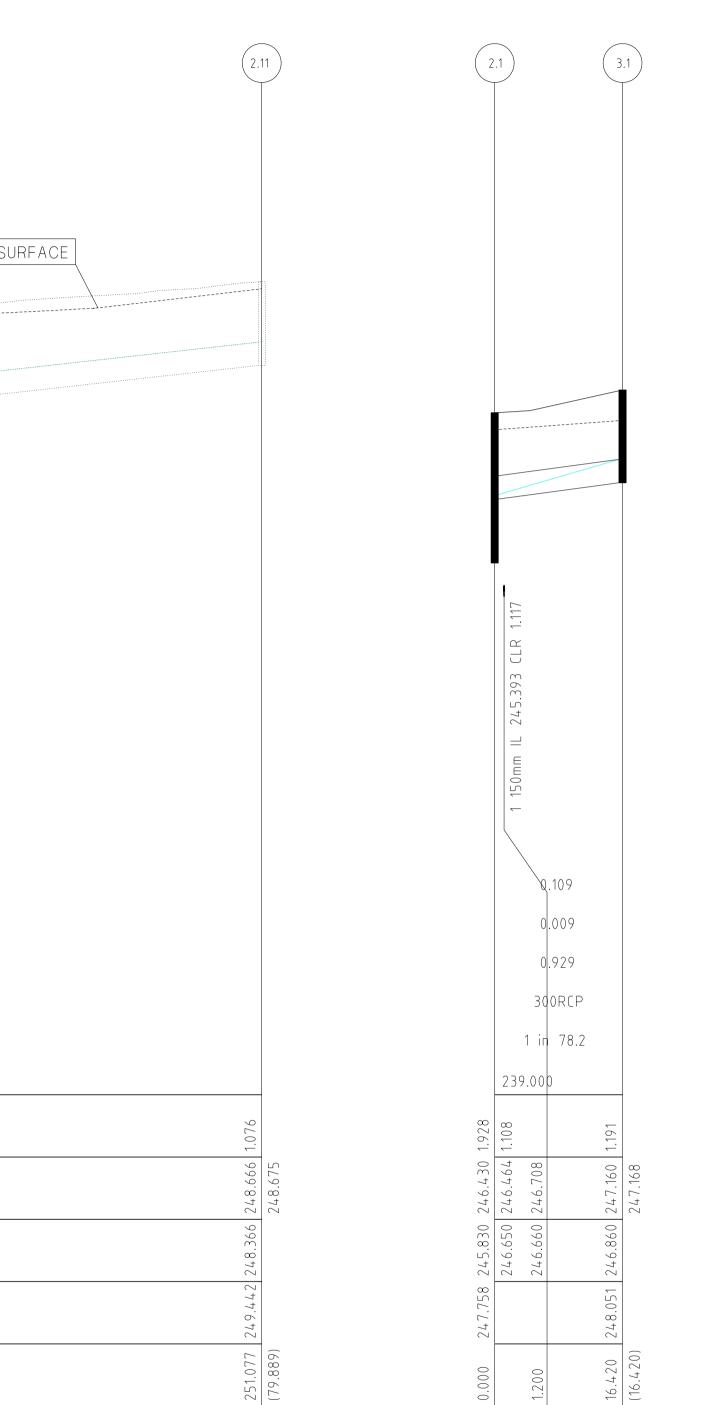
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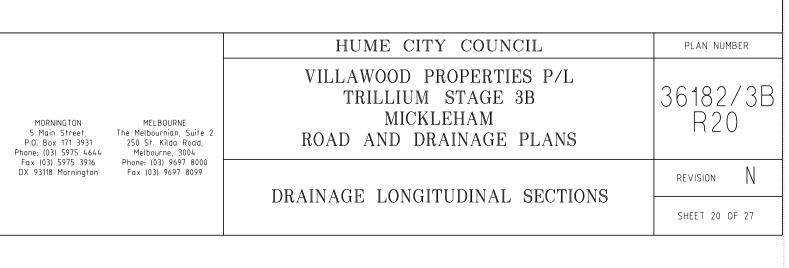
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	(MW02)		2.2 2.3	$ \begin{array}{c} 2.4\\ \end{array} $ $ \begin{array}{c} 2.5\\ \end{array} $ $ \begin{array}{c} 2.6\\ \end{array} $ $ \begin{array}{c} 2.6\\ \end{array} $ $ \begin{array}{c} 2.6\\ \end{array} $.7 2.8	2.9 (2.10)	
	ed Water	— Gas — Recycled Water — Water	MUSKWOOD DRIVE	Electricity Optic Fibre Bectricity Anter Mater	Auter Gas Aunca Aunca		EXISTING SUF
	DESIGN SURFACE		FCR Backfill as specified	FCR Backfill as specified FCR Backfill as specified	FCR Backfill as specified	FCR Backfill as specified	
	FCR Backfill as specified		4 150mm IL 245.613 CLR (
CAPACITY (m3/s)	0.557	0.375	0.365 0.357	0.496 0.256 0.102	0.133 0.129	0.102	0.102
FLOW (m3/s)	0.328	0.312	0.310 0.254	0.247 0.240 0.068	0.068 0.066	0.063	0.065
VELOCITY (m/s)	2.051	1.484	1.448	1.751 1.342 0.990	1.897 1.839	1.513	1.526
PIPE SIZE (mm)	600RCP	600RCP	600RCP 600REP	600RCP 525RCP 375RCP	300RCP 300RCP	300RCP	300RCP
GRADE	1 in 121	1 in 268	1 in 283 1 in 296	1 in 154 1 in 283 1 in 295	1 in 52.8 1 in 55.9	1 in 90.4	1 in 90.4
Datum R.L.	239.000						
DEPTH TO INVERT	2.845	1.928 1.878 1.778	1.648	1.753 1.573 1.574 1.554 1.374 1.314 1.214	1.139 1.097 1.047	1.128 1.078 1.193 1.193	
H.G.L. LEVELS	245.505 245.675 245.731	246.430 246.464 246.550	246.593 246.630 246.752	246.798 246.855 247.025 247.076 247.076 247.233 247.249	247.273 247.296 247.359	247.677 247.753 247.782	
INVERT LEVELS	243.910 245.400	245.830 245.880 245.950	246.000 246.030 246.080 246.082	246.170 246.350 246.425 246.500 246.530 246.530 246.715	246.790 246.880 246.930	247.377 247.427 247.482 247.482 247.482	
FINISHED SURFACE LEVELS	246.755	247.728	247.728	247.923 248.054 248.054 248.054 247.929	247.977	248.505	
CHAINAGE (LENGTH)	000.0	52.225 (52.225) 70.975	(18.750) 79.475 (8.499) 1.039	106.075 (26.600) 117.601 (11.527) (11.527) (8.499) (8.499)	(10.337) 14.1.188 (4.750)	166.188 (25.000) 171.188 (5.000)	

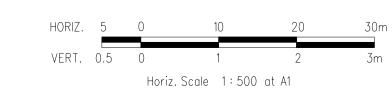
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	8/10/13	L	DRAINAGE LINE 4 & 12 AMENDMENTS	A S C	PROJECT No.:	36182⁄3B		
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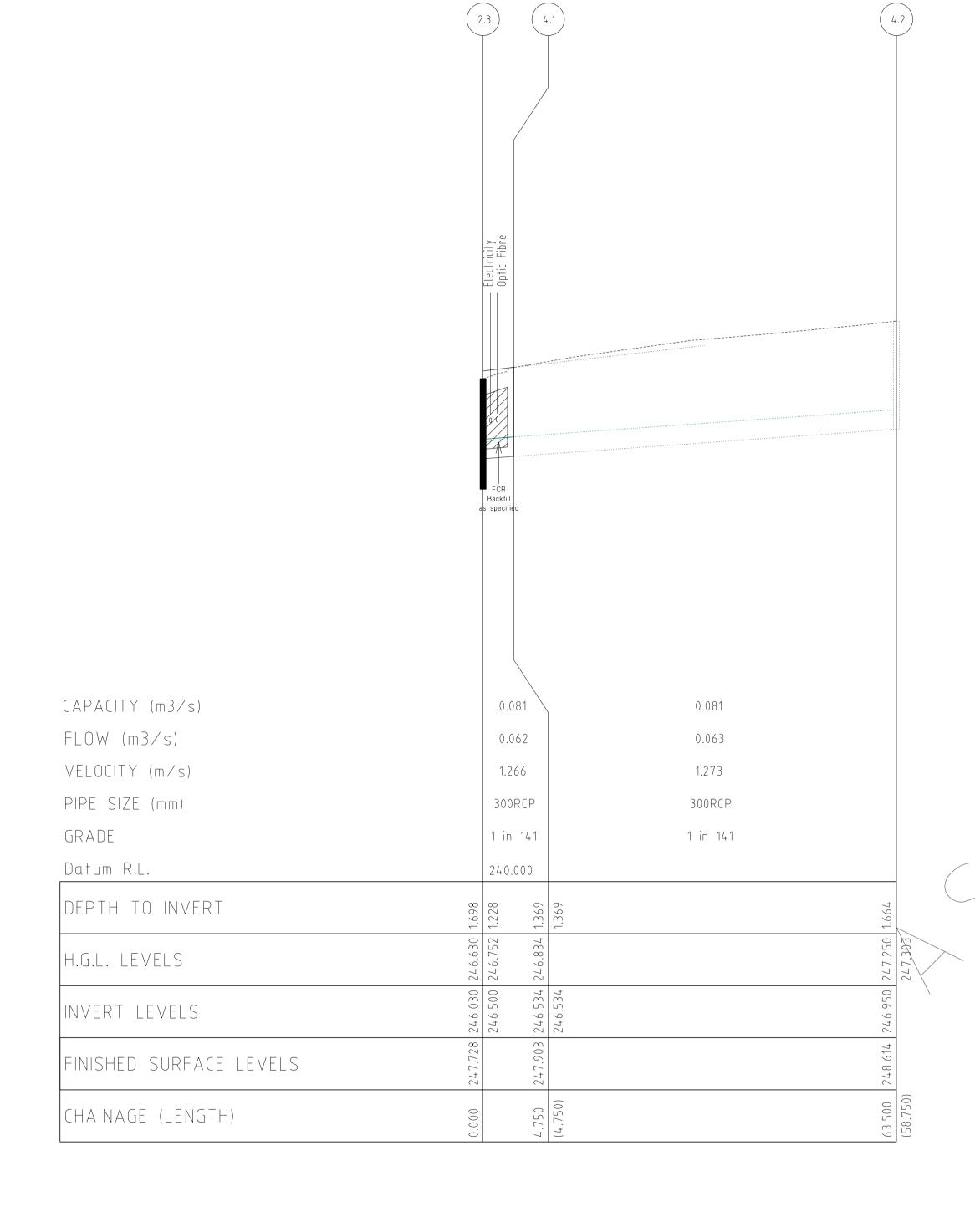


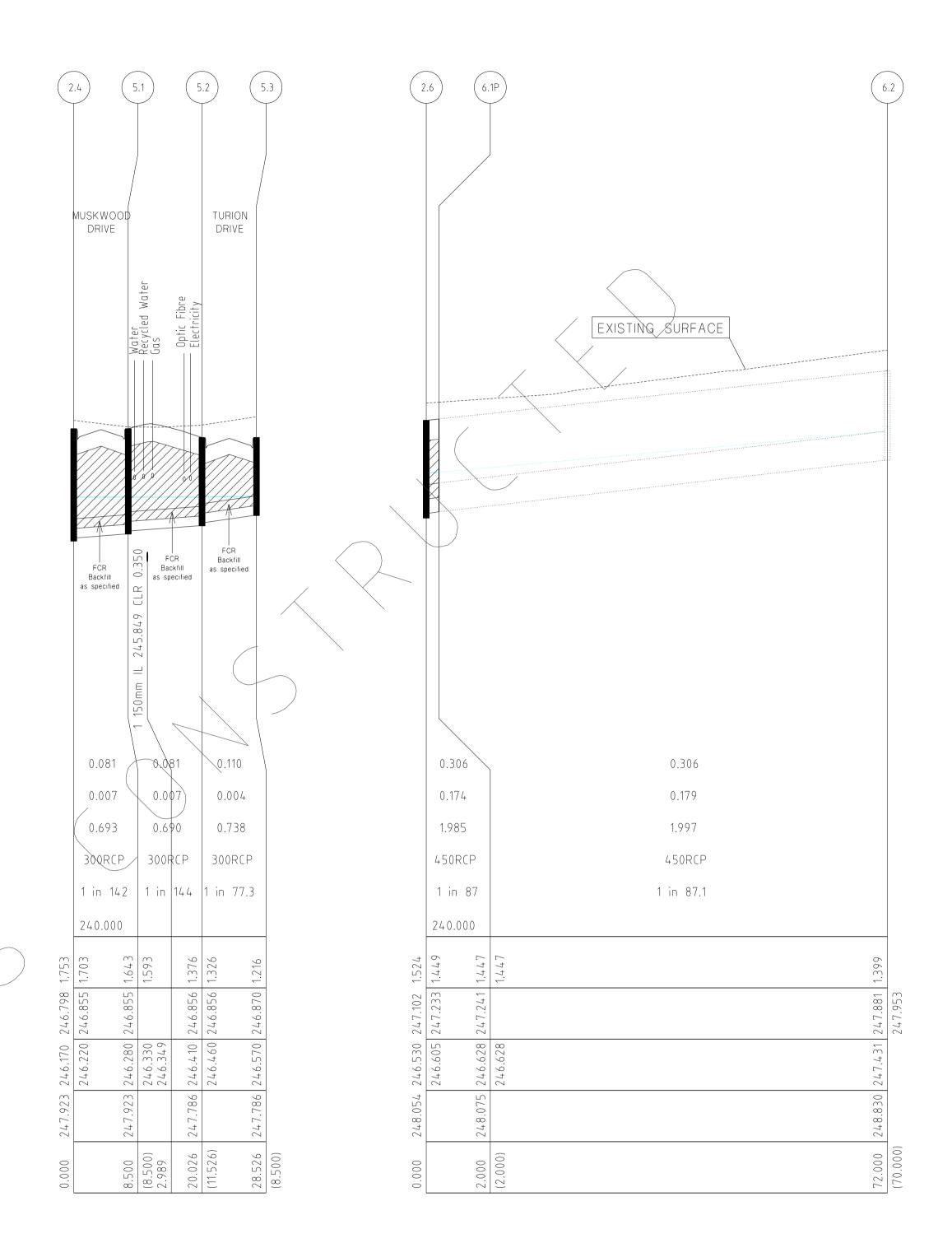
DRAINAGE LONGITUDINAL SECTIONS

NOTE: LOCATION OF GAS, WATER, TELSTRA & ELECTRICITY SERVICES INDICATIVE ONLY

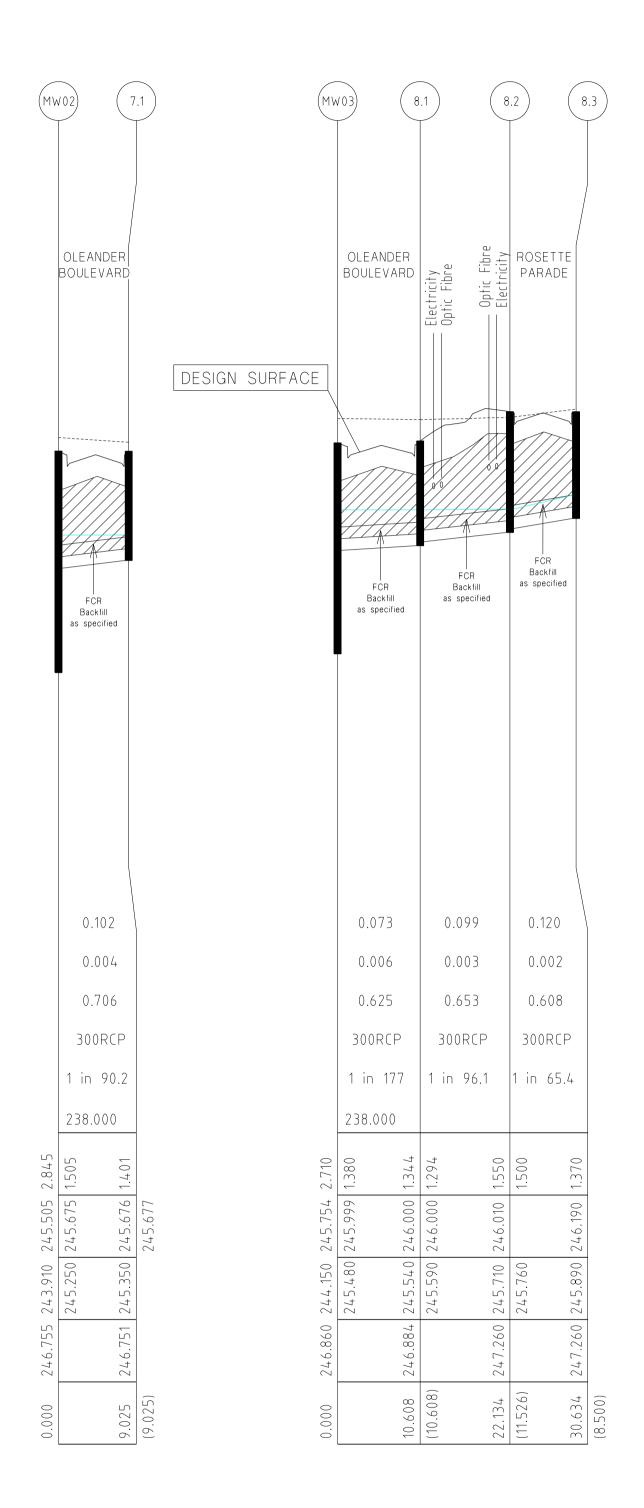


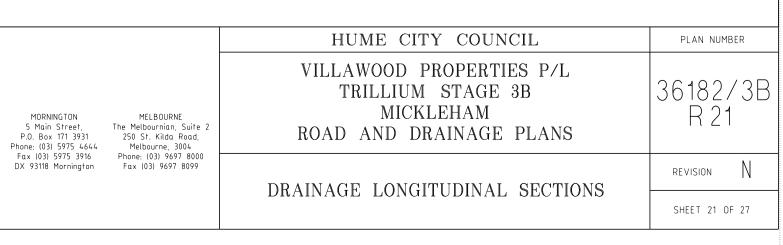
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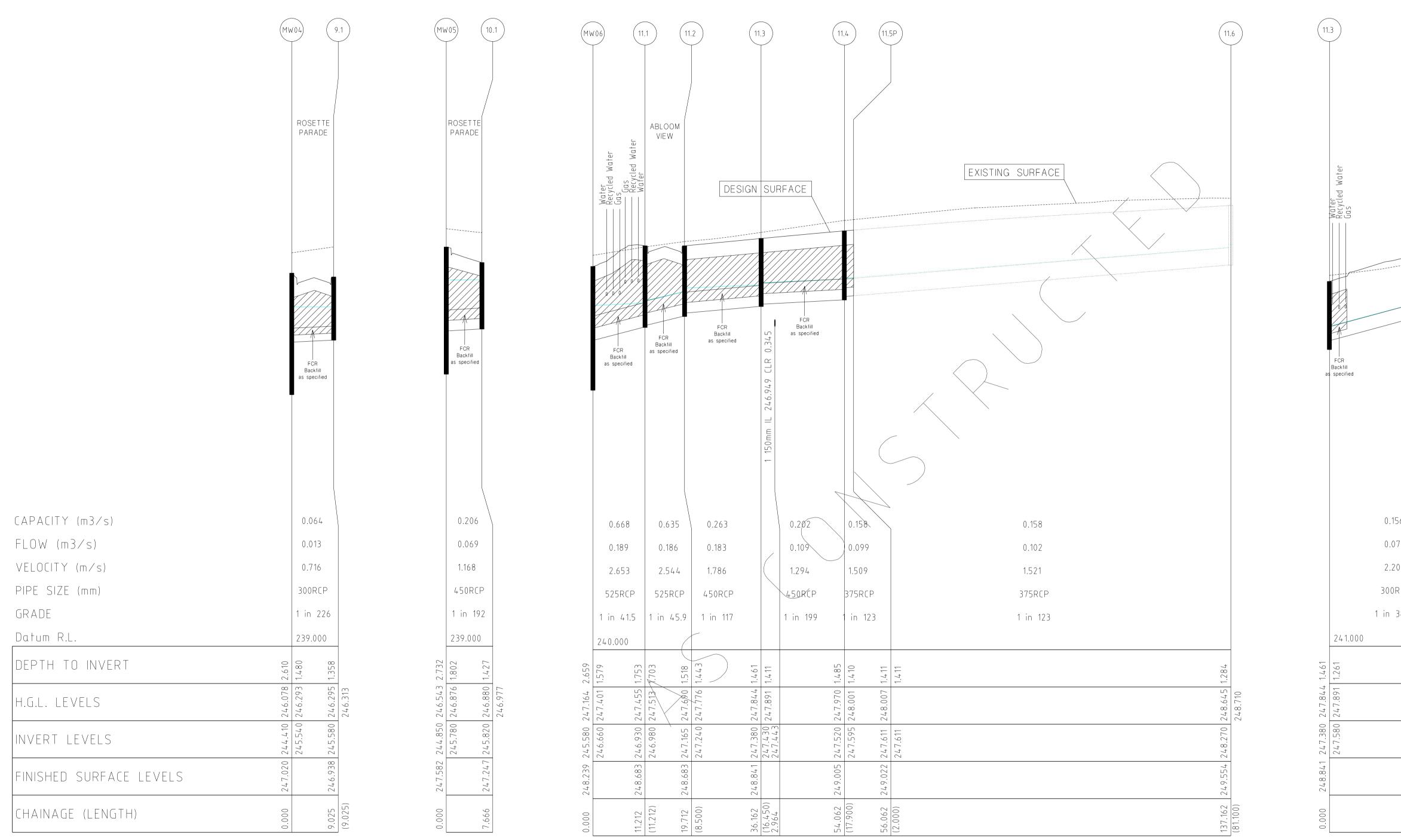




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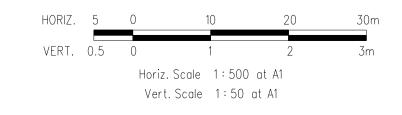






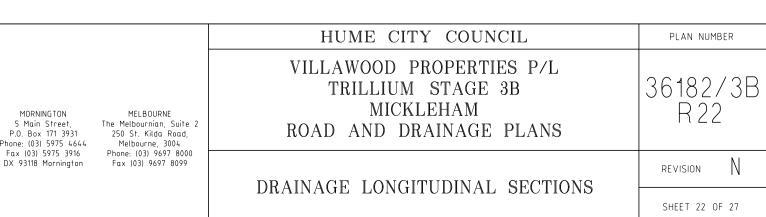
DRAINAGE LONGITUDINAL SECTIONS

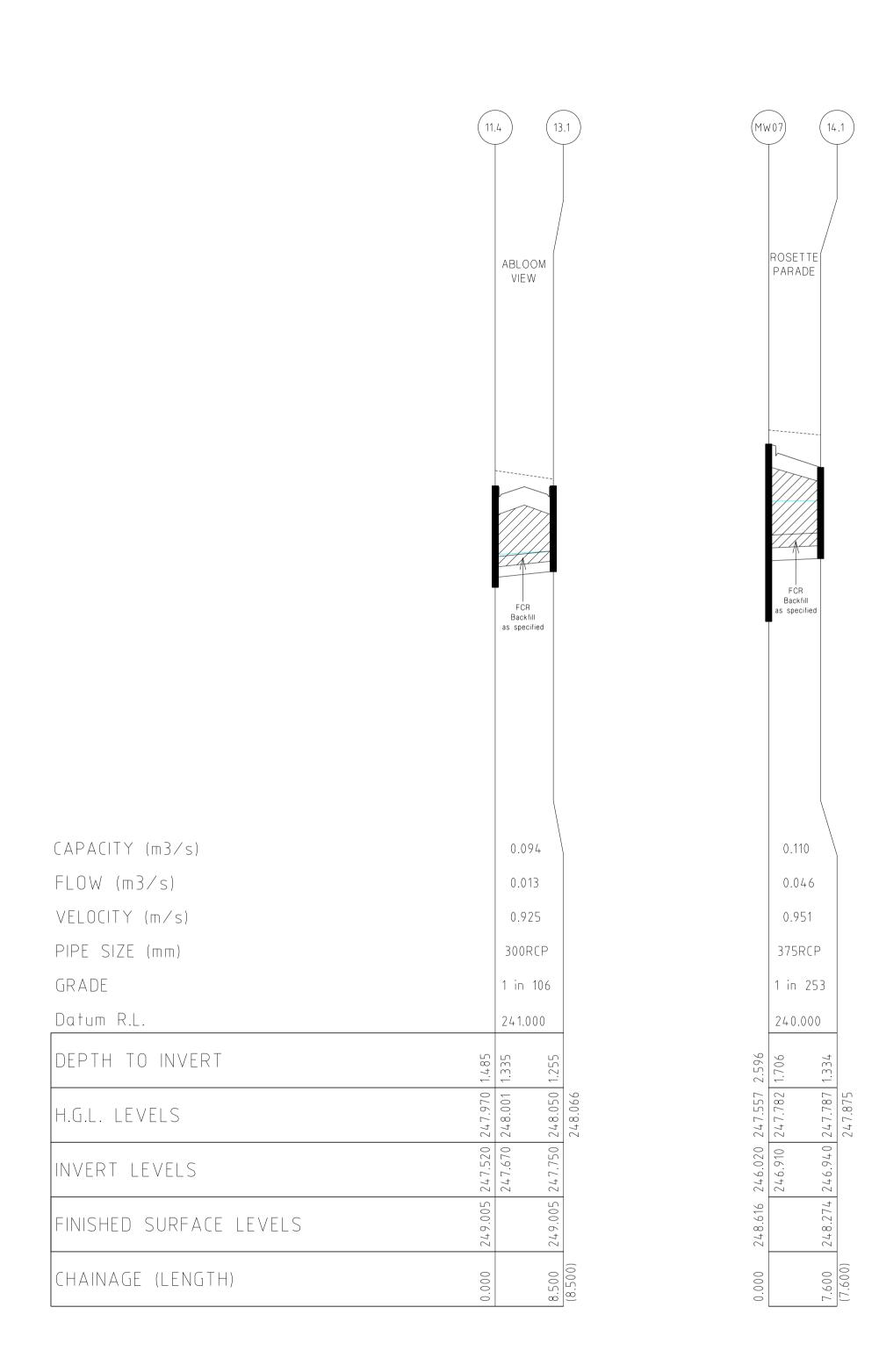
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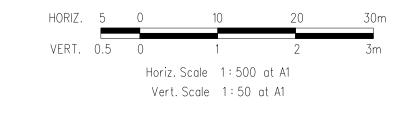
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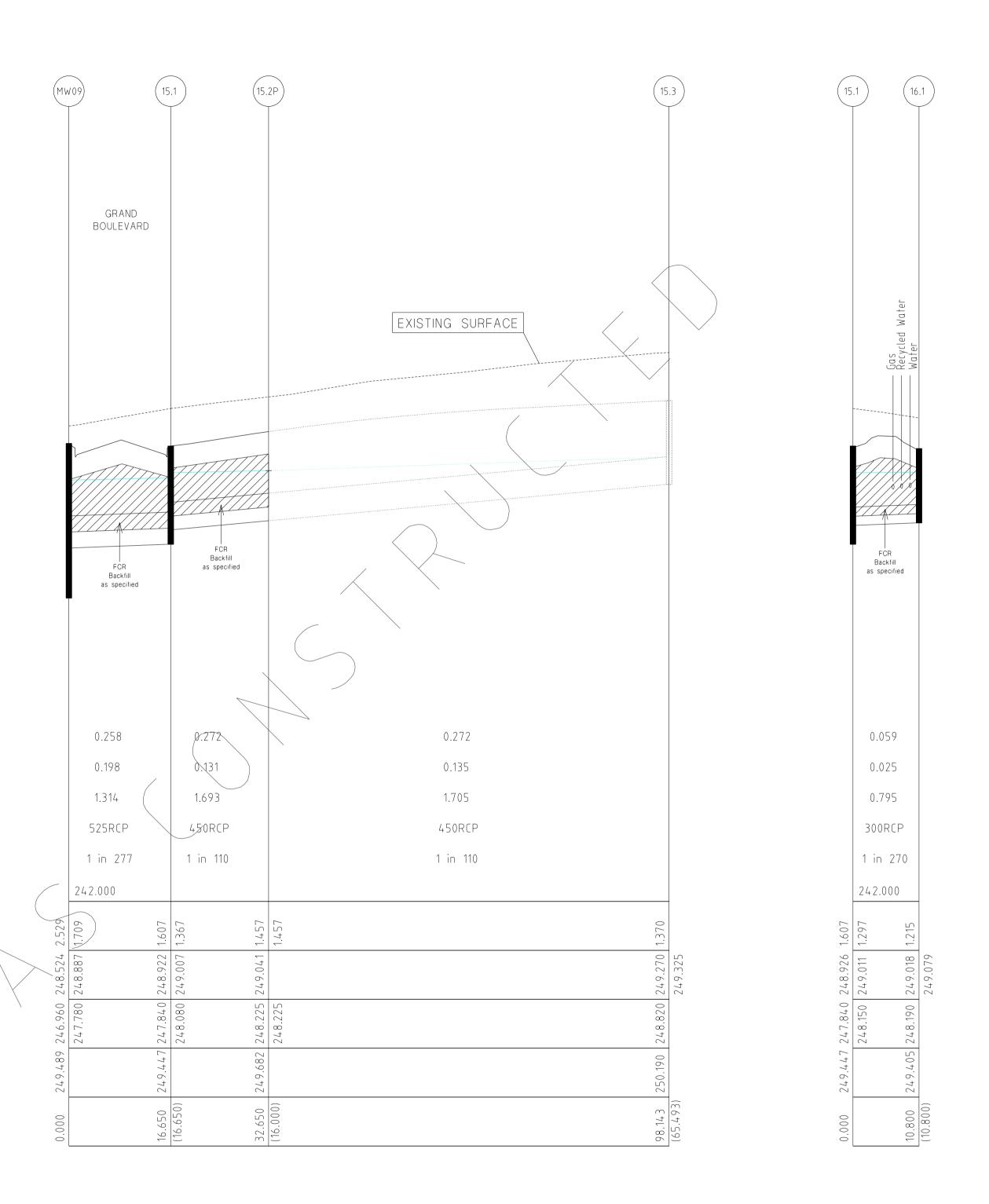




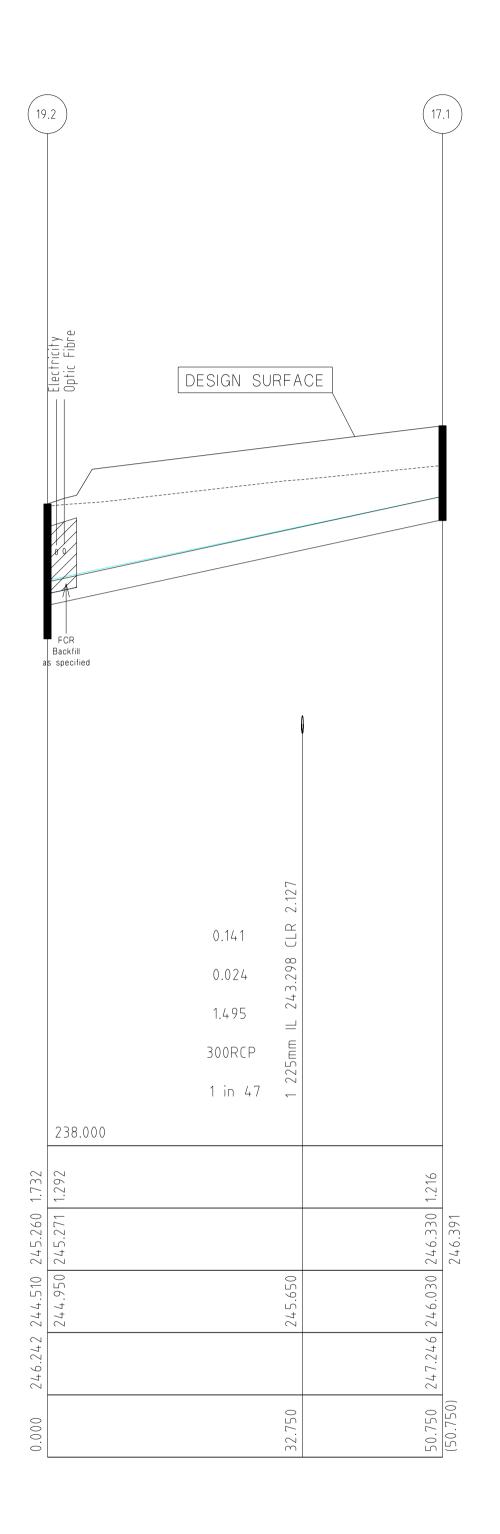
DRAINAGE LONGITUDINAL SECTIONS

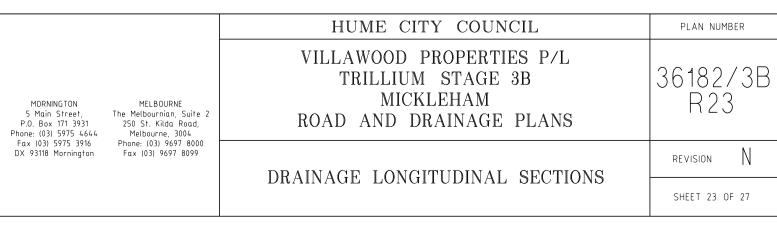
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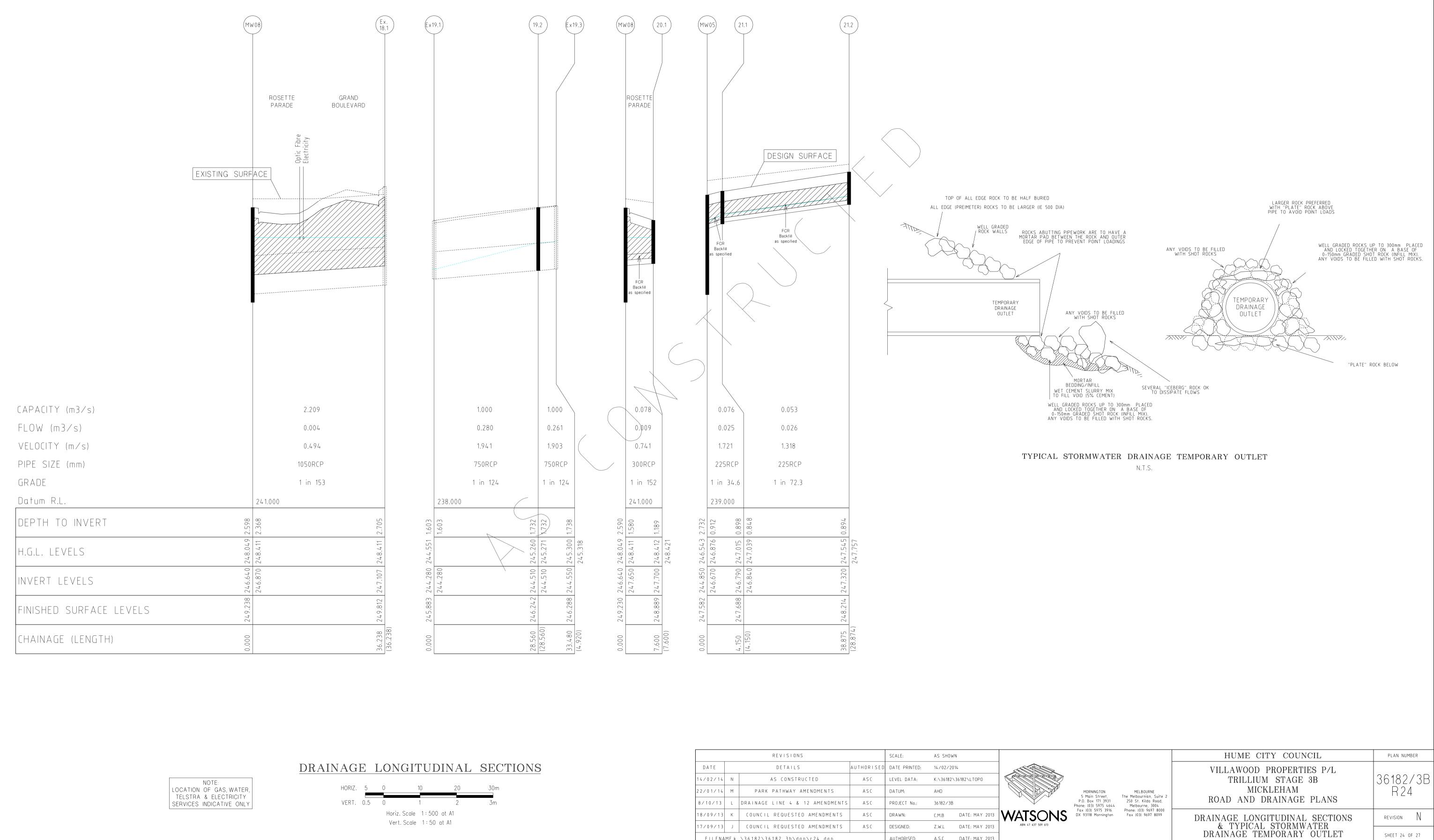




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PIT NO. & TYPE	INTERNAL DIMENSIONS	EASTING	NORTHING	INLET DIA.	INLET I.L.	OUTLET DIA.	OUTLET I.L.	COVER LEVEL	DEPTH TO INVERT	REMARKS
MW11 SEP	Future	3758.061	9870.703			1350	247.55	250.232	2.682	Future Pit
MW10 PC	_	3822.959	9862.002	1350	247.116	1350	247.116	249.724	2.608	End Capped (Future Pipe to Pipe Connection)
MW09 SEP	900 x 1500	3838.832	9859.874	1350	247.01	1350	246.96	249.489	2.529	GAA012(HAUNCHED); SD275(CIRCULAR PIT LID)
				525	247.78			249.489	2.529	Line 15 Enters
MW08 SEP	3100 x 1650	3848.389	9847.358	1350	246.69	1350	246.64	249.230	2.590	GAA012(HAUNCHED); SD275(CIRCULAR PIT LID); Refer 4486/01/6 for Pit Details.
				1050	246.87			249.230	2.590	Existing Line 18 Enters
				300	247.65			249.230	2.590	Line 20 Enters
MW07 SEP	900 x 1500	3842.819	9805.815	1350	246.07	1350	246.02	248.616	2.596	GAA012(HAUNCHED); SD275(CIRCULAR PIT LID)
				375	246.91			248.616	2.596	Line 14 Enters
MW06 SEP	900 x 1500	3839.523	9781.235	1350	245.63	1350	245.58	248.239	2.659	GAA012(HAUNCHED); SD275(CIRCULAR PIT LID)
				525	246.66			248.239	2.659	Line 11 Enters
MW05 SEP	900 x 1500	3833.782	9738.418	1350	244.9	1350	244.85	247.582	2.732	GAA012(HAUNCHED); SD275(CIRCULAR PIT LID)
				450	245.78			247.582	2.732	Line 10 Enters
				225	246.67			247.582	2.732	Line 21 Enters
MW04 SEP	900 x 1650	3857.992	9716.835	1350	244.56	1500	244.41	247.02	2.61	GAA012(HAUNCHED); SD275(CIRCULAR PIT LID)
				300	244.50			247.02	2.61	Line 9 Enters
MW03 SEP	900 x 1650	3869.395	9701.988	1500	243.34	1500	244.15	246.86	2.71	GAA012(HAUNCHED); SD275(CIRCULAR PIT LID)
IVI VUU JEM		0003.030	3701.300	300	244.2				2.71	
		7866 601	0601140			1500		246.86		Line 8 Enters
MWO2 SEP	900 x 1650	3866.601	9681.149	1500	244.06	1500	243.91	246.755	2.845	GAA012(HAUNCHED); SD275(CIRCULAR PIT LID)
				600	245.4			246.755	2.845	Line 2 Enters
		7000.001	0057 707	300	245.25	15.0.0	047.70	246.755	2.845	Line 7 Enters
MW01 OUT	-	3862.881	9653.397	1500	243.77	1500	243.72	246.615	2.895	Temporary Outfall
2.11 JP	Future	3715.563	9775.053			300	248.366	249.442	1.076	Future Pit
2.10 PC	-	3794.744	9764.436	300	247.482	300	247.482	248.675	1.193	End Capped (Future Pipe to Pipe Connection)
2.9 GP	900 x 600	3799.699	9763.772	300	247.427	300	247.377	248.505	1.128	GAA014; GRATED PIT LID (CLASS D)
2.8 GP	900 x 600	3796.377	9738.994	300	246.93	300	246.88	247.977	1.097	GAA014; GRATED PIT LID (CLASS D)
2.7 JP	900 X 600	3795.746	9734.286	300	246.79	375	246.715	247.929	1.214	GAA014; SD275(CIRCULAR PIT LID)
2.6 SEP	900 x 750	3785.501	9735.659	375	246.68	525	246.53	248.054	1.524	GAA012(HAUNCHED); SD275(CIRCULAR PIT LID); HEAVY DUTY LID - CLASS D
				450	246.605			248.054	1.524	Line 6 Enters
2.5 SEP	900 x 750	3784.371	9727.235	525	246.5	600	246.425	248.054	1.629	GAA012(HAUNCHED); SD275(CIRCULAR PIT LID)
2.4 SEP	900 x 750	3791.366	9718.074	600	246.35	600	246.17	247.923	1.753	GAA012(HAUNCHED); SD275(CIRCULAR PIT LID)
				300	246.22			247.923	1.753	Line 5 Enters
2.3 SEP	900 x 750	3787.831	9691.71	600	246.08	600	246.03	247.728	1.698	GAA012(HAUNCHED); SD275(CIRCULAR PIT LID)
				300	246.5			247.728	1.698	Line 4 Enters
2.2 SEP	900 x 750	3796.256	9690.581	600	246	600	245.95	247.728	1.778	GAA012(HAUNCHED); SD275(CIRCULAR PIT LID)
2.1 JP	900 x 750	3814.84	9688.089	600	245.88	600	245.83	247.758	1.928	GAA014(HAUNCHED); SD275(CIRCULAR PIT LID)
				300	246.65			247.758	1.928	Line 3 Enters
3.1 JP	900 x 600	3817.021	9704.363			300	246.86	248.051	1.191	GAA014; SD275(CIRCULAR PIT LID)
4.2 SEP	Future	3724.894	9700.148			300	246.950	248.614	1.664	Future Pit
4.1 PC	-	3783.123	9692.341	300	246.534	300	246.534	247.903	1.369	End Capped (Future Pipe to Pipe Connection)
5.3 SEP	900 x 600	3810.081	9732.364			300	246.57	247.786	1.216	GAA012; SD275(CIRCULAR PIT LID)
5.2 SEP	900 x 600	3808.951	9723.94	300	246.46	300	246.41	247.786	1.376	GAA012; SD275(CIRCULAR PIT LID)
5.1 JP	900 x 600	3799.79	9716.945	300	246.33	300	246.28	247.923	1.643	GAA014; SD275(CIRCULAR PIT LID)
6.2 SEP	Future	3714.139	9745.227			450	247.431	248.83	1.399	Future Pit
6.1 PC		3783.518	9735.925	450	246.628	450	246.628	248.075	1.447	End Capped (Future Pipe to Pipe Connection)

NOTE:

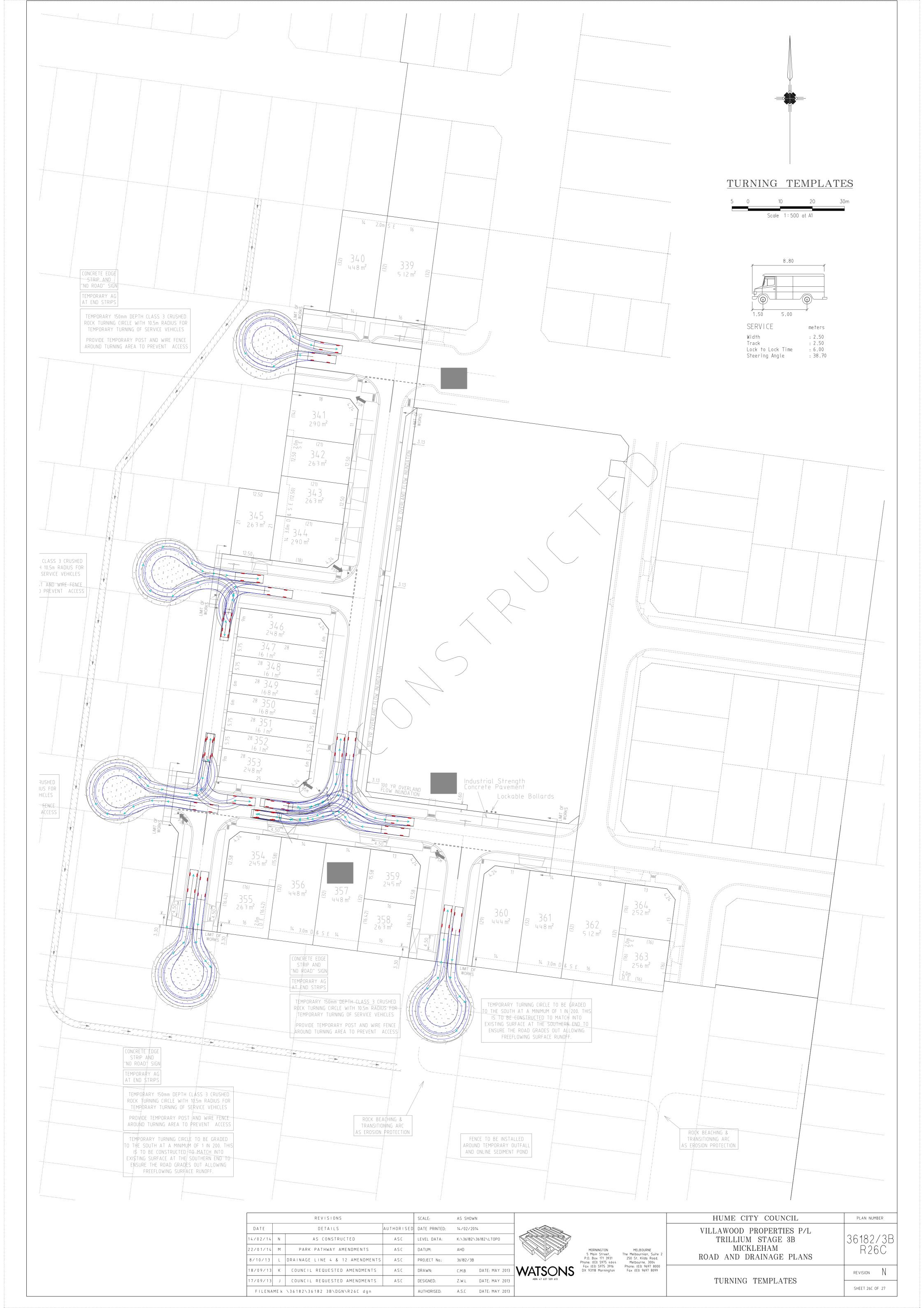
1. xy setout to pit centre 2. setout level to pit cover level

	PIT NO. & TYPE	INTERNAL DIMENSIONS	EASTING	NORTHING	INLET DIA.	INLET I.L.	OUTLET DIA.	OUTLET I.L.	COVER LEVEL	DEPTH TO	REMARKS
	7.1 SEP	900 x 600	3875.546	9679.95			300	245.35	246.751	INVERT	GAA012; SD275(CIRCULAR PIT LID)
	8.3 SEP	900 x 600	3889.372	9721.733			300	245.89	247.26	1.37	GAA012; SD275(CIRCULAR PIT LID)
	8.2 SEP	900 x 600	3888.242	9713.309	300	245.76	300	245.71	247.26	1.55	GAA012; SD275(CIRCULAR PIT LID)
	8.1 SEP	900 x 600	3879.081	9706.314	300	245.59	300	245.54	246.884	1.344	GAA012; SD275(CIRCULAR PIT LID)
	9.1 SEP	900 x 600	3859.191	9725.78			300	245.58	246.938	1.358	GAA012; SD275(CIRCULAR PIT LID)
	10.1 SEP	900 x 600	3841.448	9738.399			450	245.82	247.247	1.427	GAA012; SD275(HEAVY DUTY LID - CLASS D); Pit to be Constructed at Lip of Kerb.
	11.6 SEP	Future	3717.695	9814.368			375	248.27	249.554	1.284	Future Pit
	11.5 PC	-	3798.076	9803.591	375	247.611	375	247.611	249.022	1.411	End Capped (Future Pipe to Pipe Connection)
	11.4 SEP	900 x 600	3800.059	9803.325	375	247.595	450	247.52	249.005	1.485	GAA012; SD275(CIRCULAR PIT LID)
					300	247.67			249.005	1.485	Line 13 Enters
	11.3 JP	900 x 600	3817.8	9800.947	450	247.43	450	247.38	248.841	1.461	GAA014; SD275(CIRCULAR PIT LID)
					300	247.58			248.841	1.461	Line 12 Enters
	11.2 SEP	900 x 750	3834.104	9798.76	450	247.24	525	247.165	248.683	1.518	GAA012(HAUNCHED); SD275(CIRCULAR PIT LID)
	11.1 SEP	900 x 750	3832.974	9790.336	525	246.98	525	246.93	248.683	1.753	GAA012(HAUNCHED); SD275(CIRCULAR PIT LID)
·	12.3 JP	Future	3744.542	9837.758			300	248.95	250.221	1.271	Future Pit
·	12.2 RC		3805.992	9829.519	300	248.454	300	248.454	249.782	1.328	End Capped (Future Pipe to Pipe Connection)
	-12,1 JP	900 × 600	3821.355	9827.459	300	248.33	300	248.28	249.609	1.329	GAA014; SD275(CIRCULAR PIT LID)
	13.1. SEP	900 x 600	3798.929	9794.901			300	247.75	249.005	1.255	GAA012; SD275(CIRCULAR PIT LID)
	14.1 SEP	900 x 600	3850.351	9804.805			375	246.94	248.274	1.334	GAA012; SD275(HEAVY DUTY LID - CLASS D); Pit to be Constructed at Lip of Kerb.
	15.3 SEP	Future	3760.26	9887.208			450	248.82	250.19	1.37	Future Pit
	15.2 PC	-	3825.172	9878.504	450	248.225	450	248.225	249.682	1.457	End Capped (Future Pipe to Pipe Connection)
	15.1 SEP	900 x 750	3841.03	9876.378	450	248.08	525	247.84	249.447	1.607	GAA012(HAUNCHED); SD275(CIRCULAR PIT LID)
					300	248.15			249.447	1.607	Line 16 Enters
	16.1 SEP	900 x 600	3851.734	9874.943			300	248.19	249.405	1.215	GAA012; SD275(CIRCULAR PIT LID)
	17.1 JP	900 x 600	3892.148	9677.724			300	246.03	247.246	1.216	GAA014; SD275(CIRCULAR PIT LID)
	18.1 JP	Existing	3875.138	9871.805			1050	247.107	249.812	2.705	Existing Pit
·	10 7		7017.5	0075 05			750	04455		1 7 7 6	
	19.3 SEP	Existing	3943.102	9675.856	750	0.4.4.5.	750	244.55	246.288	1.738	Existing Pit
	19.2 JP	900 x 900	3942.448	9670.98	750	244.51	750	244.51	246.242	1.732	GAA014; SD275(CIRCULAR PIT LID)
			7070.057	0040.077	300	244.95			246.242	1.732	Line 17 Enters
	19.1 OUT	Existing	3938.653	9642.673	750	244.28			245.883	1.603	Existing Temporary Outfall
	20.1 SEP	900 x 600	3855.921	9846.348			300	247.7	248.889	1.189	GAA012; SD275(HEAVY DUTY LID - CLASS D); Pit to be Constructed at Lip of Kerb.
	21.2 JP	600 x 600	3834.284	9773.387			225	247.32	248.214	0.894	SD235; SD275(CIRCULAR PIT LID); HEAVY DUTY LID - CLASS D
	21.1 JP	600 x 600	3829.669	9738.97	225	246.84	225	246.79	247.688	0.898	SD235; SD275(CIRCULAR PIT LID); HEAVY DUTY LID - CLASS D
	R E V	ISIONS		SCALE:	AS SHOWN			1	I		HEAVI DOTT LID - CLASS D HUME CITY COUNCIL
DATE 14/02/14 N 22/01/14 M 8/10/13 L	AS C PARK PAT	TAILS ONSTRUCTED HWAY AMENDMENT E 4 & 12 AMENDI	A S C S A S C	D DATE PRINTED: LEVEL DATA: DATUM: PROJECT No.:	14/02/2014 K:\36182\36182\L AHD 36182/3B			MORNINGTON 5 Main Street, P.O. Box 171 3931 Phone: (03) 5975 4644 For: (03) 5975 4644	MELBOURNE The Melbournian, Suite 2 250 St. Kilda Road, Melbourne, 3004 Phone: (03) 9697 8000		VILLAWOOD PROPERTIES P/L TRILLIUM STAGE 3B MICKLEHAM ROAD AND DRAINAGE PLANS
18/09/13 K 17/09/13 J		UESTED AMENDME UESTED AMENDME		DRAWN: DESIGNED:		MAY 2013 MAY 2013	ATSONS ABN 47 637 509 613	Fax (03) 5975 3916 DX 93118 Mornington	Phone: (03) 9697 8000 Fax (03) 9697 8099		PIT SCHEDULE

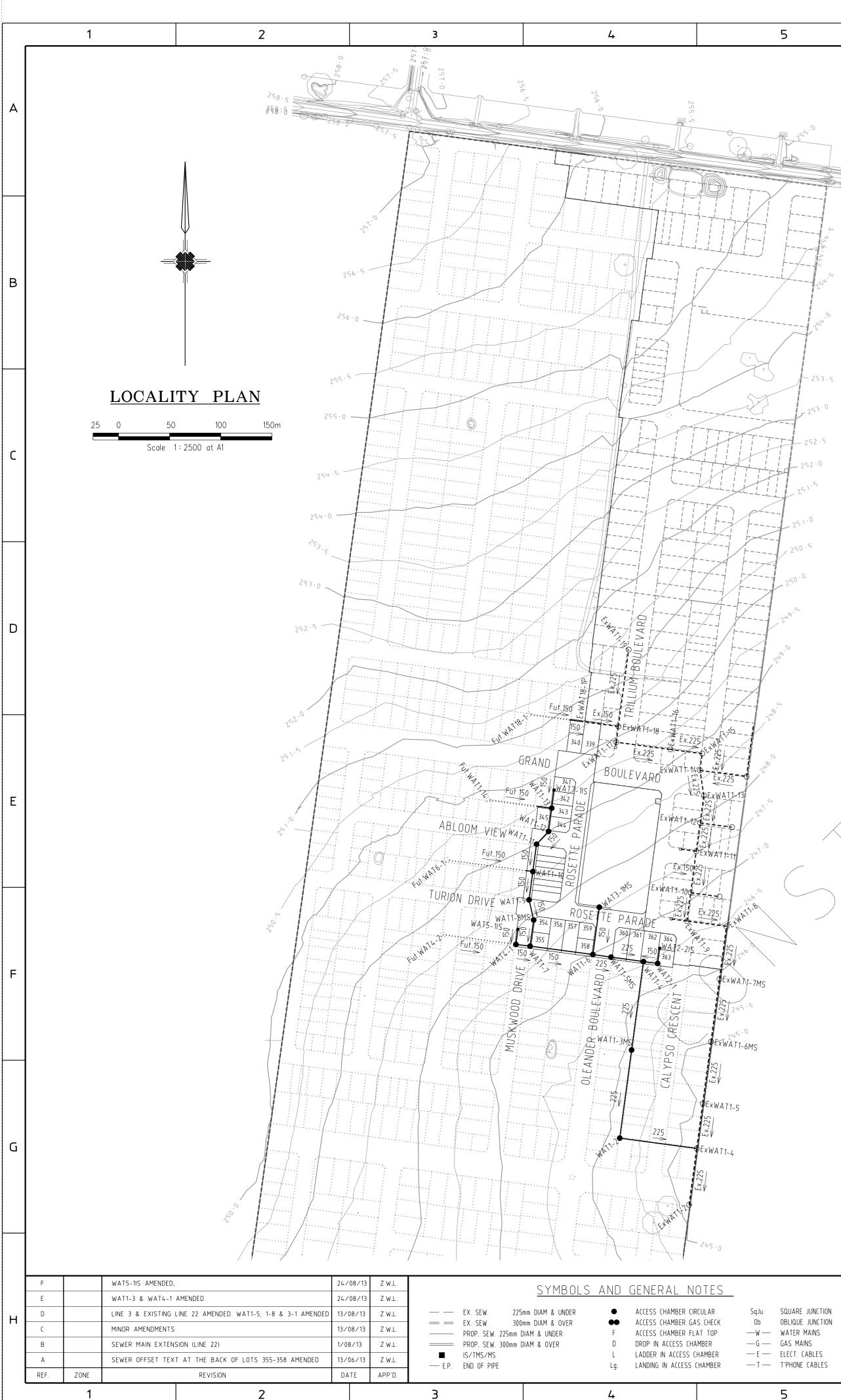












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253.5 253.5 253.5 253.5 253.5 252.5 252.5 252.5 252.5 252.5 252.5 252.5 252.5 252.5 252.5 250.5 2			ACCESS CHAMBER Fut.WAT1-14 WAT1-13 WAT1-12 WAT1-12 WAT1-11 WAT1-10 WAT1-9 WAT1-8MS WAT1-9 WAT1-8MS WAT1-7 WAT1-6 WAT1-5MS WAT1-6 WAT1-5MS WAT1-4 WAT1-3MS WAT1-2 ExWAT1-4 WAT1-2 ExWAT1-4 WAT2-2IS WAT2-1 WAT2-1 WAT2-1 WAT3-1MS Fut.WAT4-2 WAT4-1 WAT5-1IS Fut.WAT6-1	EASTING 3758.285 3820.231 3817.174 3805.402 3801.815 3798.094 3802.569 3799.141 3860.591 3878.405 3910.121 3898.494 3886.924 3962.25 3925.99 3923.997 3923.997 3923.997 3923.997 3713.877 3785.238 3787.398	9680.575 9676.323 9589.599 9503.307 9493.208 9689.33 9674.463 9729.551 9702.635 9693.067 9709.173 9709.173	COVER LEVEL 250.112 249.594 248.938 248.938 248.936 248.569 247.952 248.013 247.824 247.034 246.99 247.032 246.252 245.923 244.83 247.044 246.859 247.044 246.859 247.112 248.747 247.822 247.941 249.438	DIAMETER 1050 1050 1050 1050 1050 - 1050 -	COVER CLASS B B B D D D D B B B B B B B B B B B B	MANHOLETYPETRUNCATED TYPE ATRUNCATED TYPE ACONICALCONICALCONICALCONICAL-CONICAL-CONICAL-CONICAL-CONICAL-CONICAL-CONICAL-TRUNCATED TYPE A-TRUNCATED TYPE ACONICAL-TRUNCATED TYPE ACONICAL-TRUNCATED TYPE ACONICAL-TRUNCATED TYPE ACONICAL-TRUNCATED TYPE ACONICAL-	NOTES: 1 All levels are in metres to Australian Height Datum (AHD) 2. Coordinates for setting out are to Map Grid of Australia (MGA66-94) unless otherwise in 3.26 No properties sewered 4. Length of severs to be constructed. 150mm dia PVC - 387m 225mm dia. PVC - 300m 5. Works must be constructed according to WSA 02-2002 MRWA. Edition, specifications are convecurent revisions, amendments and updates that Yarra Valley Water have made to their or PPELINE CONSTRUCTION 6. Refer to Standard Drawings as per WSA 02-2002 MRWA. Edition. 7. Pipeline Material. Diameter Pipe Type Pipe Class Australian Standard Drawings as per WSA 02-2002 MRWA. Edition. 7. Pipeline Material. Diameter Pipe Type Pipe Class Australian Standard Drawings as per WSA 02-2002 MRWA. Edition. 8. Pipe jointing shallbe made with solvent cement for PVC pipes [375mm dia, 300mm dia, 100mm) with AS/NZS 326375 9. Use SBR rubber jointing rings to AS1646 for first pipe joint on each side of maintenance Allrobber pipe jointing nings must contain an approved root inhibitor. PROPETY DBANCH SWERSE 10. All branches to be 100mm dia PVC pipes. 11. Boundary traps for properties are not required UN.O. or as specified with standard F 13. Property branches connecting into new sewers are to be constructed with standard F 13. Property branches must exited a minimum of 300mm and a maximum of 600mm begot or sy services. 12. Roperty branches must exited a minimum of 300mm and a maximum of 600mm teogot orou sing services.	d standard sant with all the construction standards. 225mm dia, 150mm dia, e hole. VC pipes and fittings. peg and the invert to be marked by a d the property line vB) and as per WSA.02-20 d frames to be greased rossfall of the e used for the vels to ture. n all construction.		
		4	WAT22-2IS ExWAT22-1IS NOTE: 1. xy setout f 2. setout leve 4. Refer to WSA design specific 45. Refer to WSA 46. Refer to WSA 46. Refer to WSA 49. Embedment proc	3847,944 3920.252 3946.517 to pit centre el to pit cove EMBEDMENT drawing SEW cation details. Sections 16: Sections 20 drawings SE duct to be Sc ootpath to be	DETAILS V 1201-V for 1 1 & 21.1 for tre and 30.5 for W 1202 - SEV outh East Wate in accordance	247.981 247.688 trench/width ench floor prep particle size W 1205 for e er 7mm beddir	paration require requirements a embedment det ng. Product Spe	ements and tr and grading li ails. All embed ccification: WS	Specification 04-03 for backfill rench fill compaction requirements: mits for embedment material. ment to be Type 3. UNO. A PS-359 3. Any other backfill material (sand) to	 of the sewer is less than 900mm * Type 13* support and *Crushed Rock* backfill shall b OUTLET: 24. These works depend on existing sewer levels which are to be confirmed by Contract of any works. Any discrepancies are to be reported to the Superintendant immediately 25. All new service connections must be in accordance with the requirements of WSA.02.5 WORK ON LIVE SEWERS: 26. Contractor is not permitted to break-in to an existing live pipeline, enter a live mainten remove the cover to a live maintenance hole. 27. All works on live sewers to be carried out by a Yarra Valley Water authorised contratis to notify the consultant at least two [2] working days before proceeding. 30. Contractor to supply plugs required by Yarra Valley Water authorised contractor for p TESTING 31. Testing of sewers in accordance with WSA.02-2002 MRWA Edition All testing must be the direction of the consultant. Contractor to give a minimum of two [2] clear days notic to the testing being undertaken. BORING: 32. Any boring to be undertaken using laser guided machine in accordance with WSA.02-2 specifications and standard drawings. ATTENTION TO CONTRACTOR 33. In accordance with clause 15 of AS4000-1997, the contractor must ensure the safety employees and all other people who are on or adjacent to the site. The contractor must Occupational Health and Safety Act. 34. The contractor is responsible for setting out lines and levels for all maintenance 38. Backfilling and compaction of trenches to be in accordance with NATA accreditation to fill compaction and density testing in accordance with AS1289. 40. Contractor to detail plan are discontinuous. Chainages shown on longitudinal secting for developer works and backfill specification 02-163.2 Earth backfill to be used unless for developer works and backfill specification 02-163.2 Earth backfill to be used unless for developer works and backfill specification 02-163.2 Earth backf	e placed around sewers. or prior to commencement 002 MRWA Edition. ance hole or stor. The contractor ugging. undertaken under e to the consultant prior 002 MRWA Edition 002 MRWA Edition 002 MRWA Edition 002 MRWA Edition 003 MRWA Edition 004 the contractor's comply with the Victorian apparel. This includes ins are continuous. g works on live sewers. holes and shafts. requirements specification oted otherwise. undertake testing of from fire hydrants for alley Water requires the propose to address the survey will be required a	wATSONS REF. 30 WATSONS PLAN. 3618	32_38 S
SQUARE JUNCTION OBLIQUE JUNCTION	DESIGNED Z.W.L.	PLAN 36182/ REFERENCE MELWAY	3B						ANAGERS - SURVEYORS BBAN DESIGNERS Melbourne	YARRA VALLEY WATER Hume city council	SHE	WATSONS PLAN. 3618 PLOTTED: \$D, SCALE AS SHOWN ET 1 OF 5	ATE\$

MELBOURNE Level 2, 470 St. Kilda Road, P.O. BOX 7223, Melbourne, 3004 Phone: (03) 9820 8144 Fax (03) 9820 3574

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5 Main Street, P.O. Box 171 3931 Phone: (03) 5975 4644 Fax (03) 5975 3916 DX 93118 Mornington

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WATSONS ABN 47 637 509 613

REFERENCE

YARRA VALLEY

WATER

OFFER FILE No.

366012

09/525

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CHECKED

AUTHORISED

A.S.C.

A.S.C.

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HUME CITY COUNCIL	
SEWER RETIC. EXTN. N	No. 09/525
TRILLIUM MICKLEHAM S	STAGE 3B
LOCALITY PLAN	

SHEET 1 OF 5 DRAWING No. 09/525/S01

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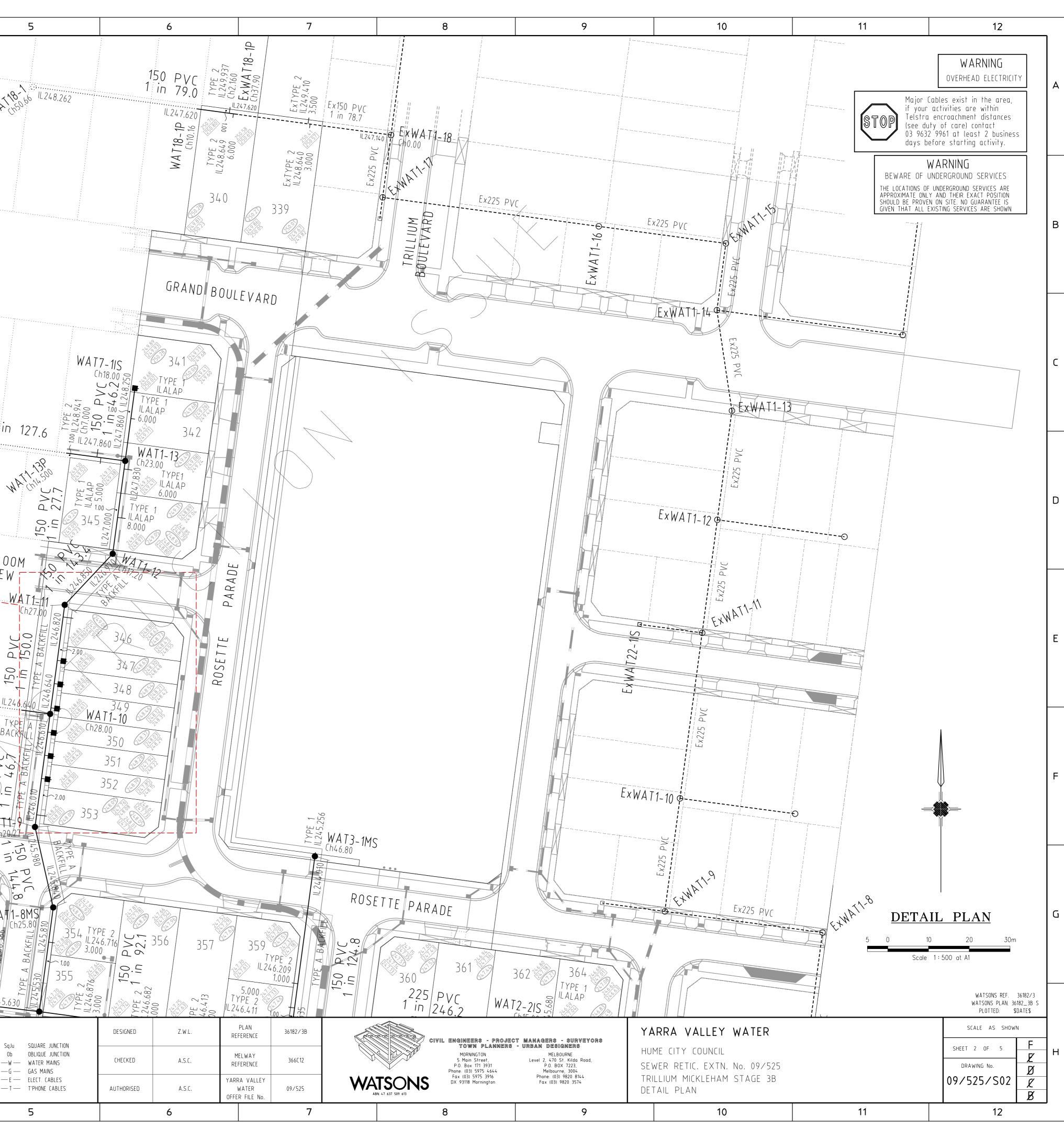
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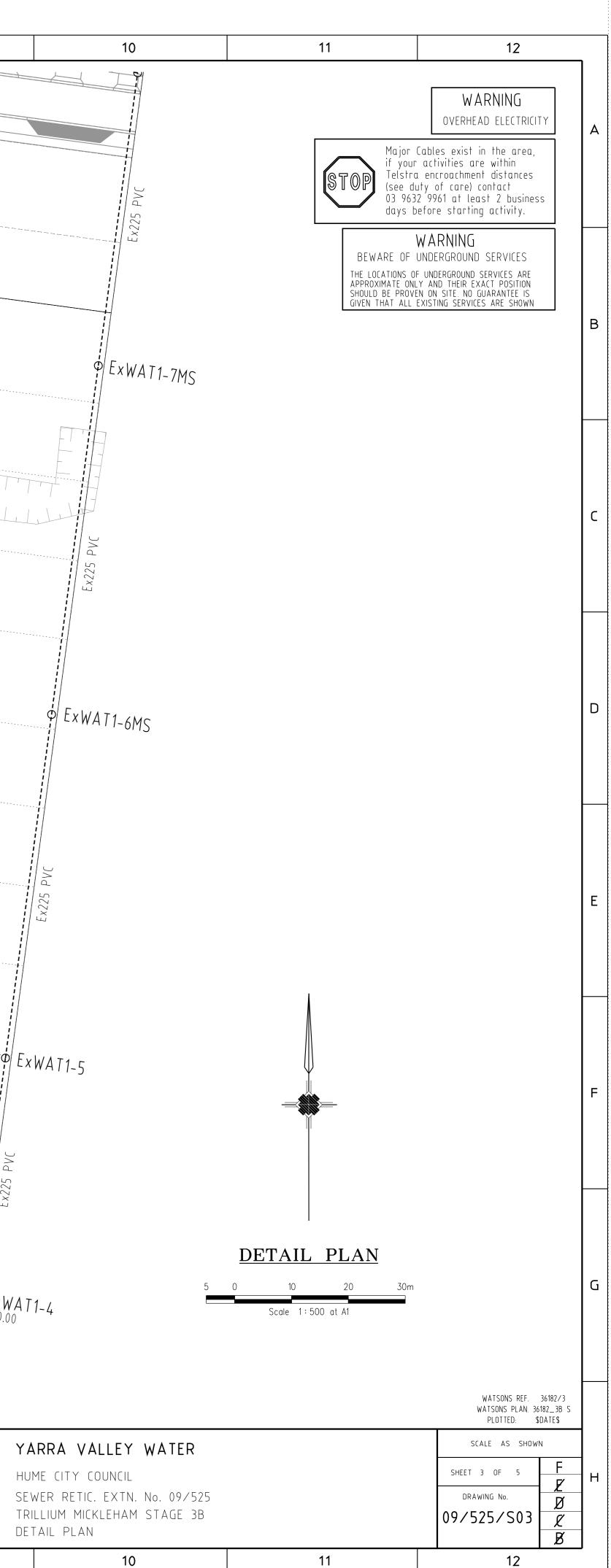
5 2 3 4 AT1-11: Ch27-11: Fut. WAT 18-166 11248.262 2.000 ILALAP TYPE 1 \circ 150. 346 <hr/> Θ TYPE 1 IL247.471 PVC YPE A 610-10-00 347 2.000 00.00 4 150 01 150 В TYPE 1 × 11.247.374 348 (\x)/(x) 2.000 TYPE 1 IL247.284 2.000 -246.64 349 TIYPF IBACKFII I TYPE 1 1L247.193 2.000 (12)/10) (12)/10) (14)/10 350 46. TYPE 1 IL247.070 351 2.000 .= " 150 PVC 1 in 127.6 IL 248.350 TYPE 1 $\overline{\mathbf{A}}$ DVG DVG ≥ IL246.971 2.000 Fut.WAT1-14 Ch62.50 352 WAT 1-13P0 WA (n/4.500 150 353 TYPE 2 1L246.930 2.000 D ABLOOM VIEW INSPECTION SHAFT SETOUT WAT1=11 BRANCH COVER _OT NO. EASTING NORTHING LEVEL $\sqrt{0}$ PV 150. BAC 347 3805.06 9777.43 248.794 247.471 150 11 in 348 3804.29 771.73 248.713 247.374 150 PVC 1 in 78.6 3803.50 9765.78 248.628 247.284 349 1224 6.6/4 0 ' 350 3802.70 9759.83 248.543 247.193 247.070 351 3801.93 9754.13 248.448 \mathbb{R} , 276-3801.17 9748.43 248.332 246.971 352 NOTE (LOT 347-352): 150 PVI 1 in 46 1. ALL I/S ABOVE TO HAVE TRAFFICABLE CLASS D COVERS. 2. BRANCH IL'S TO BE CONSTRUCTED AS SHOWN WITH JUMP-UPS IN I/S. 3. ALL BRANCHES TO EXTEND A MIN. OF 300mm AND MAX. 500mm PAST THE PROPERTY BOUNDARY. WAT1-TURION DRIVE 150 PVC joo l TYPE 1 WAT1-8MS G PVC 78.9 Ch16.25 150 PVC 1 in 109.1 IL 246.990 TYPE 150 1 in ILALAP WAT4-2 Ch72.00 Ch4.000 IL246.3 PROVIDE STUB FOR WAT5-1IS AMENDED. 24/08/13 Z.W.L. SYMBOLS AND GENERAL NOTES 24/08/1 Z.W.L. WAT1-3 & WAT4-1 AMENDED. 225mm DIAM & UNDER ACCESS CHAMBER CIRCULAR LINE 3 & EXISTING LINE 22 AMENDED. WAT1-5, 1-8 & 3-1 AMENDED 13/08/13 • D Z.W.L. = EX. SEW. 300mm DIAM & OVER ACCESS CHAMBER GAS CHECK Оb MINOR AMENDMENTS 13/08/13 Z.W.L. —w— water mains ACCESS CHAMBER FLAT TOP ------ PROP. SEW. 225mm DIAM & UNDER —G— GAS MAINS DROP IN ACCESS CHAMBER SEWER MAIN EXTENSION (LINE 22) PROP. SEW. 300mm DIAM & OVER 1/08/13 Z.W.L. LADDER IN ACCESS CHAMBER — E — ELECT. CABLES IS/TMS/MS SEWER OFFSET TEXT AT THE BACK OF LOTS 355-358 AMENDED 13/06/13 Z.W.L. — T — T'PHONE CABLES Lg. LANDING IN ACCESS CHAMBER - E.P. END OF PIPE APP'D. REF. ZONE REVISION DATE 2 5 1 3 4

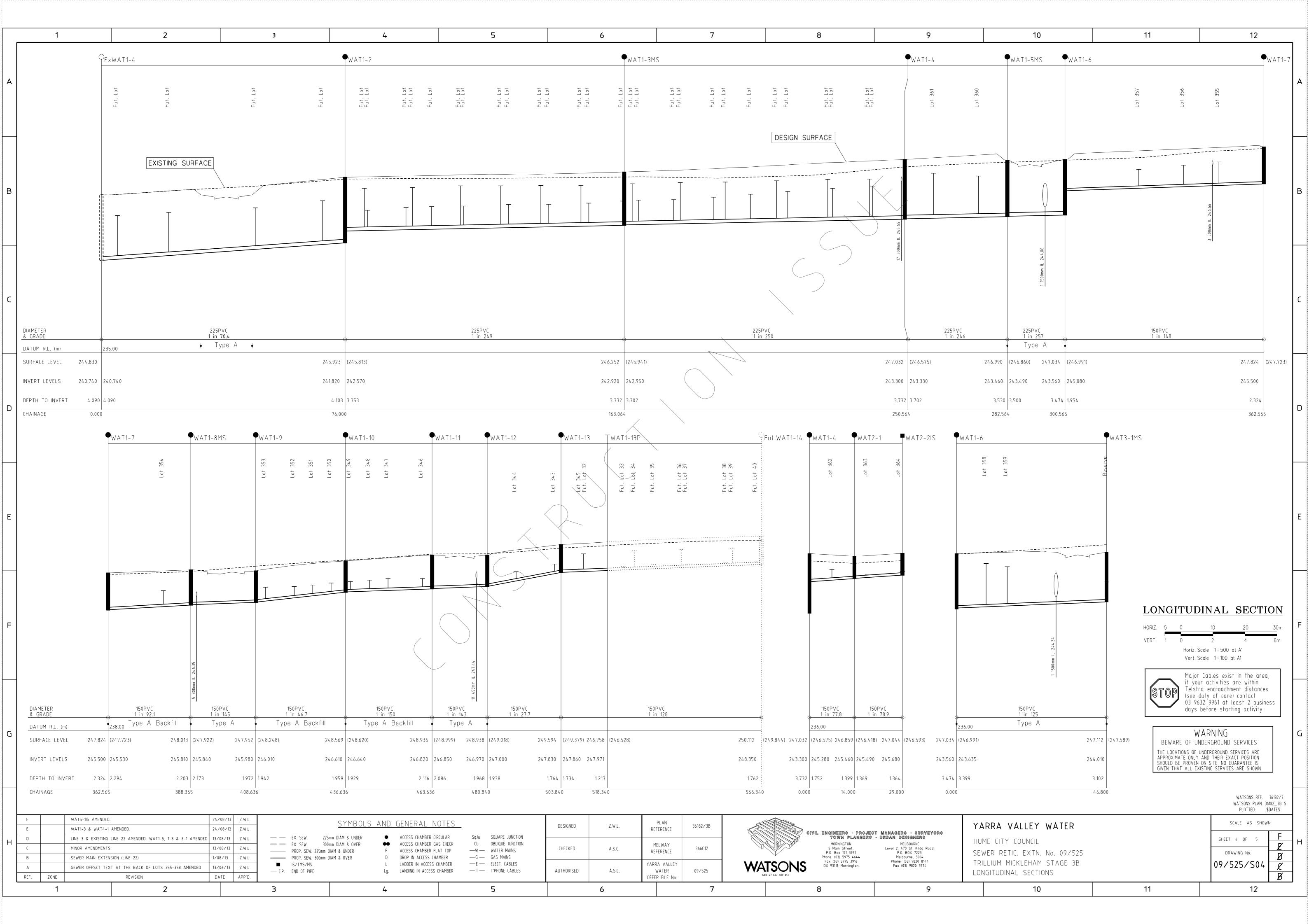


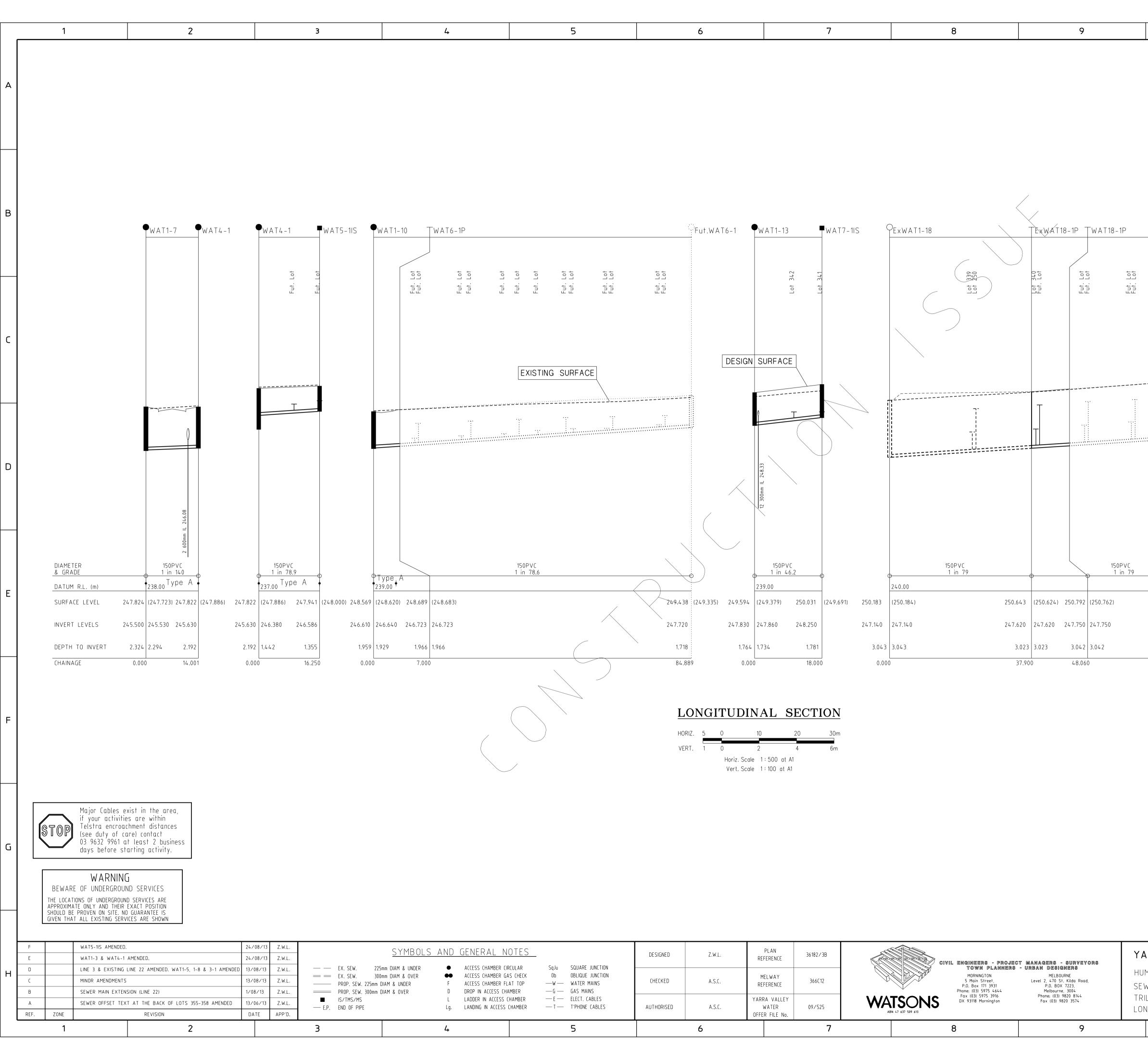


7 8 9 6 357 359 TYPE 150 150 361 IL246.209 364, 360 362 150 in 1.000 TYPE 1 ILALAP 5.000 1. TYPE 2 225/PVC 2 682 TYPE 2 IL246.413 6.000 WAT2-215 TYPE 1L246.6 1 in |246.2 IL246.411 2 998 $\cup \circ$ 3586 2.037 70 / 0/ / 0/ 3 150 PVC 1 in 147.6 % YPE 245. 000 ~ 1.00 363 TYPE IL246.1 © TYPE 1 150 151 IL245.080 57: ILALAP • IL245.280 WAT1-6 IL243.460 ΤΥΡΕ Δ TYPE 2 7 5. IL245.814 Ch76.500 WATT-5MS Ch32.00 BACKFILL 25 PVC 257.2 150 °PVC 11245.460 1 in 77.8 225 1 in OC MARILION CAL YPSO CRESCENT 243.300 TYPE 2 IL245.375 Ch77.500 OLE ANDER BOULE VARD \equiv TYPE 2 TYPE 2 IL245.788 IL245.234 Ch65.000 Ch63.500 250.0 TYPE TYPE 2 11/245.704 Ch47.500 IL245.030 Ch51.000 .5 TYPE IL 244.865 $\overline{}$ Ch39.436 TYPE 2 1L245.623 Ch31.500 \cup \geq TYPE 🤉 225 IL244.678 Ch27.936 TXPF IL245.592 -Ch17.500 TYPE 2 IL244.522 Ch15.436 TYPE 2 05 IL245.515 55 (h2.500 74 TYPE 2 1244.497 ₩AT1-3MS ≅ ^{Ch87.06} Ch4 436 TYPE 2 11.244.436 920 Ch86.500 TYPE 2 1L245.413 Ch73.564 TYPE 2 2 = - 1L244.309 Ch76.000 TYPE 2 TYPE 2 1L245.411 . Ch61.064 - IL 24 4.234 Ch63.500 ∞ Ω. N TYPE ; TYPE 2 IL245.384 Ch48.564 .= LZ44.222 Ch51.000 ->TYPE 2 1L245.387 Ch36.000 TYPE 2 Ω - 1L244.123 Ch37.000 225 TYPE 2 IL244.091 TYPE 2 IL245.282 Ch21.000 Ch27.000 TYPE 2 L244.042 Ch19.000 TYPE 2 22 1L245.232 25 Ch6.000 77 TYPE 2 IL243.865 Ch7.000 225 PVC 1 in 70.4 WATT L 244.455 Ch69.000 TYPE 2 IL244.011 Ch48.000 ExWAT1-4 TYPE A BACKFILL TYPE 2 L243.726 Ch21.000 PLAN DESIGNED Z.W.L. 36182/3B REFERENCE CIVIL ENGINEERS - PROJECT MANAGERS - SURVEYORS TOWN PLANNERS - URBAN DESIGNERS SqJu SQUARE JUNCTION

	5		6		7			8	9
— E — ELECT. CABLES — T — T'PHONE CABLES	AUTHORISED	A.S.C.	YARRA VALLEY WATER OFFER FILE No.	09/525	WATSONS ABN 47 637 509 613		Fax (03) 5975 3916 DX 93118 Mornington	Phone: (03) 9820 8144 Fax (03) 9820 3574	
0b —-W —- —-G —-	OBLIQUE JUNCTION WATER MAINS GAS MAINS	CHECKED	A.S.C.	MELWAY REFERENCE	366012	- B	A DE DU	MORNINGTON 5 Main Street, P.O. Box 171 3931 Phone: (03) 5975 4644	MELBOURNE Level 2, 470 St. Kilda Road P.O. BOX 7223, Melbourne, 3004







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							A
	Fut.WAT6-1	•WAT1-13 •• WAT7	7-1IS PEXWAT1-18	TEXWAT18-1P WAT18-1P			В
Fut. Lot Fut. Lot Fut. Lot	Fut. Lot Fut. Lot	Lot 342 Lot 342 Lot 341	Lot 339 Lot 339	Fut: Lot Fut: Lot Fut: Lot Fut: Lot	Fut. Lot		
URFACE		IGN SURFACE					C
		12 300mm IL 248.33		.=======			D
		150PVC 1 in 46.2 239.00 594 (249.379) 250.031 (249.691 830 247.860 248.250 .764 1.734 1.781	150PVC <u>1 in 79</u> 240.00 1) 250.183 (250.184) 247.140 3.043 3.043	150PVC 150PVC 1 in 79 250.643 (250.624) 250.792 (250.762) 247.620 247.620 247.620 247.620 247.620 3.023 3.042	251.244 (251.298) 248.262 2.982		E
		0.000 18.000 DINAL SECTION 10 20 30m	0.000	37.900 48.060	88.560		F
		2 4 6m Scale 1:500 at A1 Scale 1:100 at A1					G
SQUARE JUNCTION OBLIQUE JUNCTION WATER MAINS GAS MAINS	DE SIGNED Z.W.L. CHECKED A.S.C.	PLAN REFERENCE 36182/3B MELWAY REFERENCE 366C12	MORNINGTO 5 Main Stre P.O. Box 171 Phone: (03) 5975	- PROJECT MANAGERS - SURVEYORS Planners - Urban designers In Meirourne H	ARRA VALLEY WATER UME CITY COUNCIL EWER RETIC. EXTN. No. 09/525		WATSONS REF. 36182/3 WATSONS PLAN. 36182_3B S PLOTTED: \$DATE\$ SCALE AS SHOWN SHEET 5 OF 5 F DRAWING No.
ELECT. CABLES T'PHONE CABLES	AUTHORISED A.S.C.	YARRA VALLEY WATER 09/525	WATSONS Fax (03) 5975 ABN 47 637 509 613 DX 93118 Morni	3916 Phone: (03) 9820 8144 T (ington Fax (03) 9820 3574	RILLIUM MICKLEHAM STAGE 3B ONGITUDINAL SECTIONS		09/525/S05 🗶
		OFFER FILE No.		L .	Sharrobhine Sections		R

HORIZ.	5	0	10	20	30m
VERT.	1	0	2	4	6m
		Horiz. Sc	ale 1:500	0 at A1	0
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							A
	Fut.WAT6-1	♥WAT1-13 WAT7-1IS Ex	X W A T 1-18	TEXWAT18-1P TWAT18-1P	Fut.WAT18-1		B
Fut. Lot Fut. Lot	Fut. Lot Fut. Lot	Lot 342 Lot 341	Lot 250	Fut. Lot Fut. Lot Fut. Lot Fut. Lot	Fut. Lot		
IRFACE		N SURFACE	 	 T			
		12 300mm IL 248.33					
	249.438 (249.335) 249.594 247.720 247.830	(249.379) 250.031 (249.691) 250.183 (250 247.860 248.250 247.140 247	47.140 247.6	.643 (250.624) 250.792 (250.762) 2.620 247.620 247.750 247.750	251.244 (251.298) 248.262		Ε
	<u>.</u> 84.889 0.000	4 1.734 1.781 3.043 3.04 00 18.000 0.000 NAL SECTION		3.023 3.042 3.042 37.900 48.060	88.560		
	HORIZ. 5 0 VERT. 1 0 Horiz. Scale	10 20 30m 2 4 6m ale 1 : 500 at A1 500 at A1					F
							(
	DESIGNED Z.W.L.	PLAN REFERENCE 36182/3B	CIVIL ENGINEERS - PROJE	CT MANAGERS - SURVEYORS 3 - URBAN DESIGNERS	ARRA VALLEY WATER		WATSONS REF. 36182/3 WATSONS PLAN. 36182_3B S PLOTTED: \$DATE\$ SCALE AS SHOWN
SQUARE JUNCTION OBLIQUE JUNCTION WATER MAINS GAS MAINS	CHECKED A.S.C.	MELWAY REFERENCE 366C12	MORNINGTON 5 Main Street, P.O. Box 171 3931 Phone: (03) 5975 4644	MELBOURNE Level 2, 470 St. Kilda Road, P.O. BOX 7223, Melbourne, 3004	IUME CITY COUNCIL EWER RETIC. EXTN. No. 09/525		SHEET 5 OF 5 F DRAWING No. D
ELECT. CABLES	AUTHORISED A.S.C.	YARRA VALLEY WATER 09/525 OFFER FILE No.	SONS Fax (03) 5975 3916 DX 93118 Mornington	Phone: (03) 9820 8144 Fax (03) 9820 3574	RILLIUM MICKLEHAM STAGE 3B ONGITUDINAL SECTIONS		09/525/S05 <u>£</u> Ø
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