

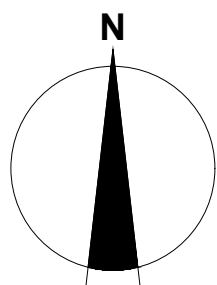
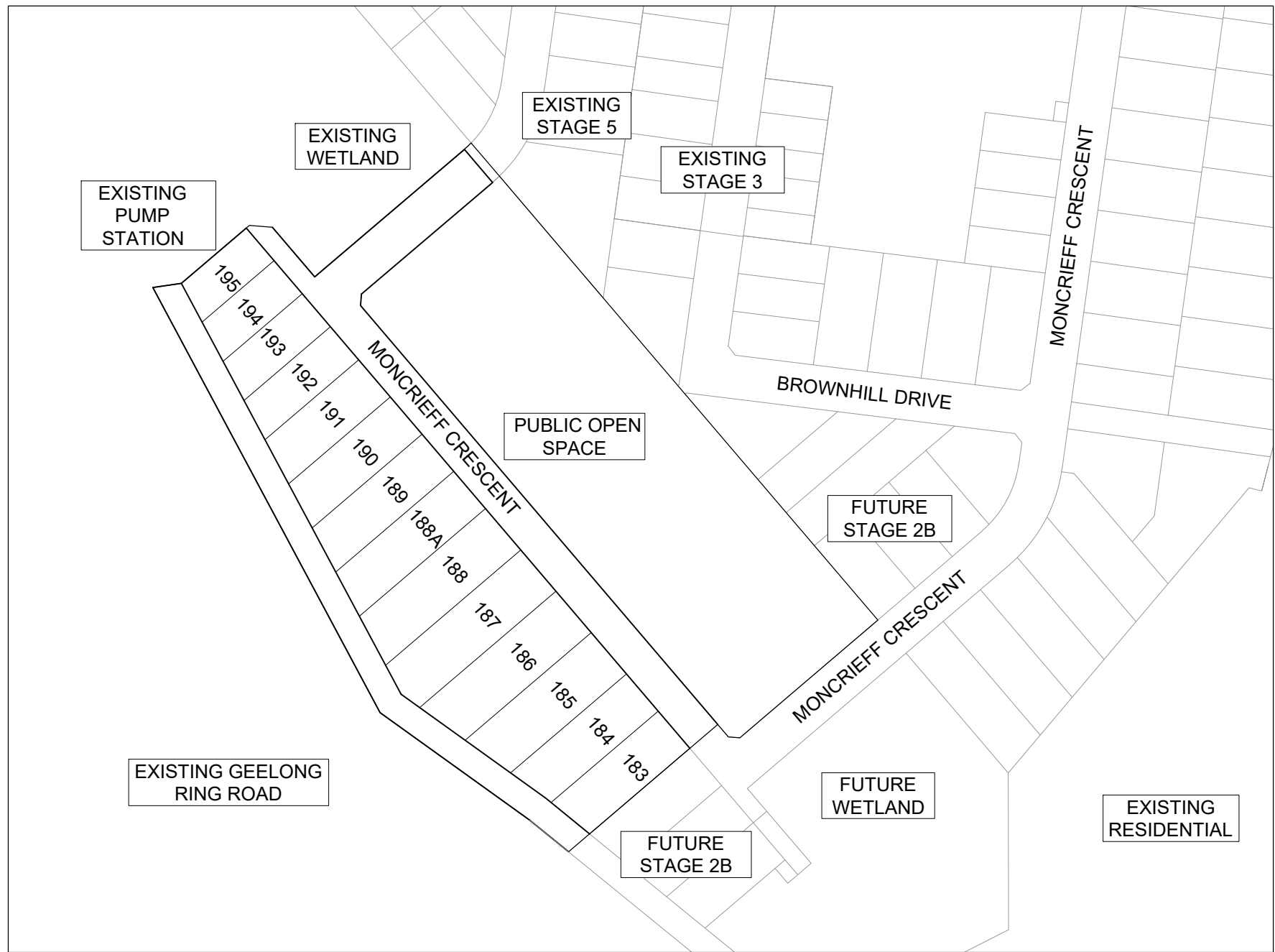
WANDANA ESTATE

STAGE 6

CITY OF GREATER GEELONG

GENERAL NOTES:

- THE WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT INFRASTRUCTURE DESIGN MANUAL STANDARD DRAWINGS AND GREATER GEELONG CITY COUNCIL STANDARD DRAWINGS AND SPECIFICATIONS. WORKS TO BE CARRIED OUT TO THE SATISFACTION OF COUNCIL'S SUPERVISING OFFICER.
- THE CONTRACTOR IS RESPONSIBLE FOR SAFETY OF WORK ON SITE IN ACCORDANCE WITH APPROPRIATE LEGISLATION. THEY SHALL ERECT AND MAINTAIN ALL SHORING, PLANKING AND STRUTTING, DEWATERING DEVICES, BARRICADES, SIGNS, LIGHTS, ETC. NECESSARY TO KEEP WORKS IN A SAFE AND STABLE CONDITION, AND TO PROTECT THE PUBLIC FROM HAZARDS ASSOCIATED WITH THE WORKS.
- THE CONTRACTOR SHALL:
 - COMPLY WITH THE "SAFETY PRECAUTIONS IN TRENCHING OPERATIONS" (CODE OF PRACTICE No.8, 1998)
 - NOTIFY WORK SAFE OF HIS INTENTION TO COMMENCE TRENCHING OPERATIONS WHERE TRENCHES ARE 1.5 METRES OR DEEPER.
 - ENSURE THAT THE MINE MANAGER OR HIS DEPUTY AS REQUIRED BY THE REGULATIONS IS IN ATTENDANCE WHEN TRENCHING OPERATIONS ARE IN PROGRESS.
- THE CONTRACTOR IS TO NOTIFY COUNCIL AND ALL SERVICE AUTHORITIES SEVEN (7) DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- THE LOCATION OF EXISTING SERVICES SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCING ANY EXCAVATION BY CONTACTING ALL RELEVANT SERVICE AUTHORITIES. ANY EXISTING SERVICES SHOWN ON THE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT.
- REDGUM TREES MARKED ON THE APPROVED PLANS FOR REMOVAL MUST BE REMOVED IN ACCORDANCE WITH COUNCIL'S PLANNING PERMIT. NO EXCAVATION SHALL BE CARRIED OUT WITHIN THE TREE PROTECTION ZONE OF ANY EXISTING TREE WITHOUT WRITTEN APPROVAL FROM COUNCIL'S SUPERVISING OFFICER.
- ALL ROAD CHAINAGES ARE MEASURED ALONG THE ROAD CENTRELINE EXCEPT KERB RETURNS AND COURTHEADS. WHERE LIP OF KERB CHAINAGES ARE SPECIFIED. ALL DIMENSIONS AND RADII ARE GIVEN TO THE LIP OF KERB. DO NOT SCALE OFF THESE DRAWINGS. WRITTEN DIMENSIONS ONLY SHALL BE USED.
- ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM.
- ALL EXCAVATED OR FILLED AREAS OUTSIDE THE ROAD RESERVES TO BE STRIPPED OF TOPSOIL AND STOCKPILED PRIOR TO EARTHWORKS COMMENCING. THESE AREAS SHALL BE RESURFACED WITH A 150mm LAYER OF TOPSOIL AS SPECIFIED.
- NO TOPSOIL TO BE REMOVED FROM SITE.
- NO FILL OR STOCKPILING OF MATERIAL IS TO BE PLACED ON ANY RESERVE UNLESS DIRECTED BY THE SUPERINTENDENT.
- FILLING ON ALLOTMENTS AND UNDER ROAD PAVEMENTS TO HAVE LEVEL 1 SUPERVISION IN ACCORDANCE WITH AS3798-1996. INDIVIDUAL LOT CERTIFICATES ARE TO BE PROVIDED TO THE SUPERINTENDENT.
- FILLING UNDER DRIVEWAYS AND FOOTPATH IS TO BE APPROVED BY THE SUPERINTENDENT AND CONSTRUCTED IN LAYERS 150mm DEPTH. COMPACTION ACHIEVING A MINIMUM DENSITY RATIO OF 98% (STANDARD) IN ACCORDANCE WITH AS1289 CLAUSE 5.1.1.
- CUT AND FILL BATTER SLOPES ARE NOT TO EXCEED 1 in 6 UNLESS SHOWN OTHERWISE.
- ALL DRAINAGE PIPES ARE TO BE SPIGOT-SOCKET RUBBER RING JOINTED UNLESS STATED OTHERWISE.
- ALL DRAINAGE TRENCHES UNDER PARKING BAYS, DRIVEWAYS, FOOTPATHS AND BEHIND KERB & CHANNEL, SHALL BE BACKFILLED WITH CRUSHED ROCK AS SPECIFIED.
- ALL PIPES UNDER ROADS SHALL BE BACKFILLED WITH 2% STABILIZED SAND TO SPRINGLINE. ABOVE THIS POINT, PROVIDE 20mm NOM. SIZE CLASS 3 FINE CRUSHED ROCK (WETMIX) COMPACTED TO 98% MODIFIED COMPACTION IN 150mm MAXIMUM LAYER.
- PROPERTY INLETS AS PER INFRASTRUCTURE DESIGN MANUAL (IDM) STANDARD DRAWING SD 520 ARE TO BE LOCATED 1.0m FROM LOW SIDE BOUNDARY UNLESS SHOWN OTHERWISE.
- ALL HOUSE DRAIN CONNECTIONS ARE TO BE LOCATED NO CLOSER THAN 6.0m FROM THE SIDE BOUNDARY OR FROM EASEMENT ALONG THE SIDE BOUNDARY UNLESS NOTED OTHERWISE AND CONNECTED DIRECTLY TO UNDERGROUND DRAIN OR PIT. HOUSE DRAIN LOCATION TO BE MARKED (50mm STAMPED IMPRESSION) ON THE TOP OF THE KERB.
- SUBSOIL DRAINS SHALL BE INSTALLED BEHIND OR BELOW ALL KERB AND CHANNEL.
- CONDUIT LOCATIONS ARE SUBJECT TO AMENDMENT AND CONDUITS SHALL NOT BE LAID UNTIL WRITTEN APPROVAL IS GIVEN BY THE SUPERINTENDENT. CONDUITS TO BE EXTENDED TO PROPERTY LINE AND ARE REQUIRED WHEN CONNECTIONS EXTEND UNDER ROAD PAVEMENT, FOOTPATH OR OTHER INFRASTRUCTURE. BOTH KERBS ARE TO BE MARKED (50mm STAMPED IMPRESSION) WITH THE LETTERS E (ELECTRICAL), G (GAS), T (TELEPHONE), W (WATER) AND C (COUNCIL COMMUNICATION) ABOVE CONDUIT LOCATION.
- ALL SERVICING TRENCHES UNDER ROADS, DRIVEWAYS, FOOTPATHS ETC. ARE TO BE BACKFILLED & COMPACTED WITH F.C.R. IN THE CASE OF TRENCHES UNDER ROADS WHERE BACKFILLING HAS NOT ACHIEVED THE SPECIFIED COMPACTION OR SHOWS EXCESSIVE MOVEMENT UNDER PROOF ROLLING, THE BACKFILLING SHALL BE REMOVED AND REPLACED WITH 2% STABILISED COMPACTED F.C.R.
- NO COMMUNICATION PITS ARE TO BE LOCATED IN THE FOOTPATH.
- VEHICULAR CROSSINGS TO BE LOCATED CLEAR OF DRAINAGE PITS, SEWER MAINTENANCE HOLES AND EXISTING TREES. VEHICLE CROSSINGS TO BE 1m FROM PROPERTY BOUNDARY OR EASEMENT UNLESS OTHERWISE SHOWN. VEHICULAR CROSSINGS TO BE CONSTRUCTED AS PER CITY OF GREATER GEELONG "DESIGN NOTES No.4" DATED AUGUST 2012 & IDM STANDARD DRAWINGS SD205 to SD265.
- ALL PEDESTRIAN CROSSINGS TO BE IN ACCORDANCE WITH INFRASTRUCTURE DESIGN MANUAL SD200.
- ALL STREET SIGNS TO BE IN ACCORDANCE INFRASTRUCTURE DESIGN MANUAL STANDARD DRAWINGS. STREET SIGNS TO BE ATTACHED TO LIGHT POLES USING 'SINGLE DIRECTION COLLAR' OR '90° RIGHT ANGLE COLLAR' UNLESS SHOWN OTHERWISE.
- ALL PAVEMENT MARKINGS AND TRAFFIC SIGNS SHOULD BE TO AS1742.2 AND AS1742.1 STANDARD RESPECTIVELY. TEMPORARY LINEMARKING TO BE PLACED DURING MAINTENANCE PERIOD PRIOR TO PLACEMENT OF WEARING COURSE. FINAL LINEMARKING TO BE LONG LIFE ROAD MARKING WITH LONGITUDINAL LINES IN THERMOPLASTIC AND TRANSVERSE MARKINGS IN COLD APPLIED.
- UPON COMPLETION OF CONSTRUCTION THE WHOLE SITE SHALL BE CLEANED, GRADED, ALL RUBBISH REMOVED AND LEFT IN A CLEAN AND TIDY CONDITION TO THE SATISFACTION OF THE SUPERINTENDENT.
- ALL AREAS OF SUBDIVISION EXPOSED OF VEGETATION, INCLUDING NATURE STRIPS, LOTS AND RESERVES ARE TO BE FULLY GRASSSED BY HYDRO MULCHING, WATERED AND MAINTAINED, UNTIL THE END OF MAINTENANCE PERIOD.
- ALL SUMPS IN PRECAST CONCRETE PITS ARE TO BE INFILLED WITH CONCRETE FLUSH TO THE INVERT LEVEL OF THE OUTLET PIPE, UNLESS APPROVED OTHERWISE BY THE COUNCIL WORKS INSPECTOR.
- CITY OF GREATER GEELONG REQUIRES CCTV OF ALL DRAINAGE PIPES AND PITS, PRIOR TO THE ISSUE OF THE STATEMENT OF COMPLIANCE
- CITY OF GREATER GEELONG REQUIRE COUNCIL D200 LOCKS TO BE INSTALLED ON ALL GATES AND GRATES.



LOCALITY PLAN
MELWAYS REF: 450 H11

1:2000 20 0 20 40 60 80 100 A1
1:4000 A3

Sheet List Table

DRAWING NO.	DRAWING TITLE	REVISION
R100	COVER SHEET	5
R200	LAYOUT PLAN	4
R201	EARTHWORKS PLAN	2
R300	INTERSECTION DETAIL PLAN	2
R400	LONGITUDINAL SECTIONS - 1	1
R401	LONGITUDINAL SECTIONS - 2	1
R500	ROAD CROSS SECTIONS - 1	1
R501	ROAD CROSS SECTIONS - 2	1
R502	ROAD CROSS SECTIONS - 3	1
R600	DRAINAGE LONG SECTIONS - 1	2
R601	DRAINAGE LONG SECTIONS - 2	2
R700	TYPICAL DETAILS	1
R701	RETAINING WALL DETAILS	2
R800	SIGNAGE AND LINEMARKING PLAN	1
R900	CONCRETE JOINTING PLAN	4

SIGNED (CONSULTANT)

SIGNED (CONTRACTOR)

WARNING

BEWARE OF UNDERGROUND & OVERHEAD SERVICES

THE LOCATIONS OF UNDERGROUND & OVERHEAD SERVICES ARE APPROXIMATE ONLY & THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. LOCATE ALL UNDERGROUND SERVICES BEFORE COMMENCEMENT OF WORKS

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REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
5	07/05/20	AS CONSTRUCTED	C.R	M.T	T.P
4	08/04/20	ALTERED OBAN PLACE BOLLARD ARRANGEMENT	C.R	M.T	T.P
3	15/01/20	ALTERED RETAINING WALL FOOTING DEPTH IN STIFF CLAY	C.R	M.T	T.P
2	20/11/19	ALTERED DRIVEWAY LOCATIONS AND ASSOCIATED DRAINAGE	C.R	M.T	T.P
1	29/10/19	REVISED SERVICE OFFSETS IN OBAN PLACE	C.R.	M.T.	T.P.
0	26/09/19	CONSTRUCTION ISSUE	C.R.	M.T.	T.P.
B	06/09/19	AMENDMENTS AS PER COUNCIL COMMENTS	C.R.	M.T.	T.P.
A	29/07/19	APPROVAL ISSUE	C.R.	M.T.	T.P.

CLIENT



Level 7, 176 Wellington Parade
East Melbourne, VIC, Australia 3002

PROJECT



DRAWING TITLE

**WANDANA ESTATE - STAGE 6
COVER SHEET**

STATUS

AS CONSTRUCTED

SCALE AT A1

1:2000 @ A1

DRAWN

C.ROHDE

DESIGNED

C.ROHDE

PROJECT ENGINEER

M.TROUNCE

PROJECT MANAGER

T.PALIOS

DATE FIRST ISSUE

29/07/19

PROJECT No.

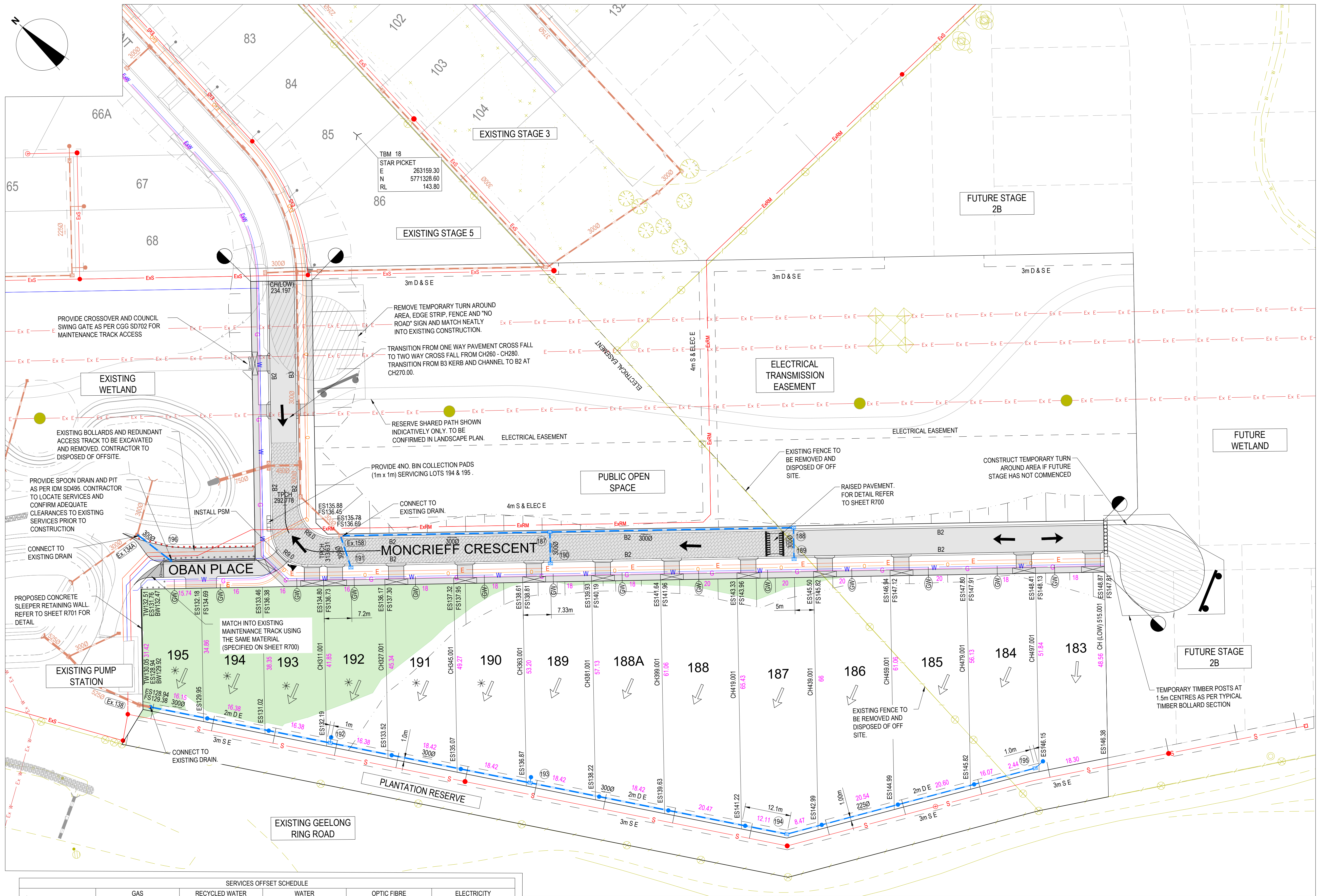
180363.6

DRAWING No.

R100

REVISION

5



LEGEND - LAYOUT PLAN

- STORMWATER DRAIN, PIT & PROPERTY INLET
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
- SERVICE CONDUITS
- TACTILE PAVERS
- EXISTING ELECTRICITY (UNDERGROUND)
- EXISTING ELECTRICITY (OVERHEAD)
- EXISTING GAS
- EXISTING OPTIC FIBRE
- EXISTING TELSTRA
- EXISTING WATER
- EXISTING RECYCLED WATER
- EXISTING STORMWATER DRAIN
- EXISTING SEWER
- EXISTING HOUSE DRAIN
- EXISTING SWALE DRAIN
- EXISTING SURFACE LEVEL
- FINISHED BUILDING LINE LEVEL
- FINISHED RIDGE LINE LEVEL
- TOP OF RETAINING WALL
- BOTTOM OF RETAINING WALL
- RETAINING WALL
- BUILDING ENVELOPE
- PAVEMENT TREATMENT (200mm DEPTH TYPE A SUBGRADE IMPROVEMENT)
- STRUCTURAL FILL > 200mm DEEP
- EX. STRUCTURAL FILL > 200mm DEEP
- DIRECTION OF FALL
- OVERLAND FLOW
- ALLOTMENT TO BE GRADED EVENLY IN DIRECTION OF FALL TO LEVELS INDICATED
- CONCRETE EDGE STRIP WITH SUBSOIL DRAIN, 'NO ROAD' SIGN & BARRIER
- LIMIT OF WORKS
- EXISTING TREE TO BE REMOVED
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- PROPOSED DRIVEWAY

WARNING
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NOTE
VEHICLE EXCLUSION MEASURES SHOWN ON THIS DRAWING ARE INDICATIVE ONLY. ALL VEHICLE EXCLUSION MEASURES ARE ALL TO FORM PART OF THE LANDSCAPE WORKS.

SIGNED (CONSULTANT) _____

SIGNED (CONTRACTOR) _____

SERVICES OFFSET SCHEDULE										
ROAD NAME	GAS		RECYCLED WATER		WATER		OPTIC FIBRE		ELECTRICITY	
	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)
MONCRIEFF CRESCENT (WEST)	WEST	1.70	-	-	WEST	2.10 & Ex.1.10	EAST	1.80	EAST	Ex 2.40
MONCRIEFF CRESCENT (LOTS 182 - 193)	SOUTH	1.70	-	-	SOUTH	2.10	SOUTH	2.70	SOUTH	3.60
OBAN PLACE	SOUTH	1.95	-	-	SOUTH	2.40	SOUTH	0.50	SOUTH	0.95



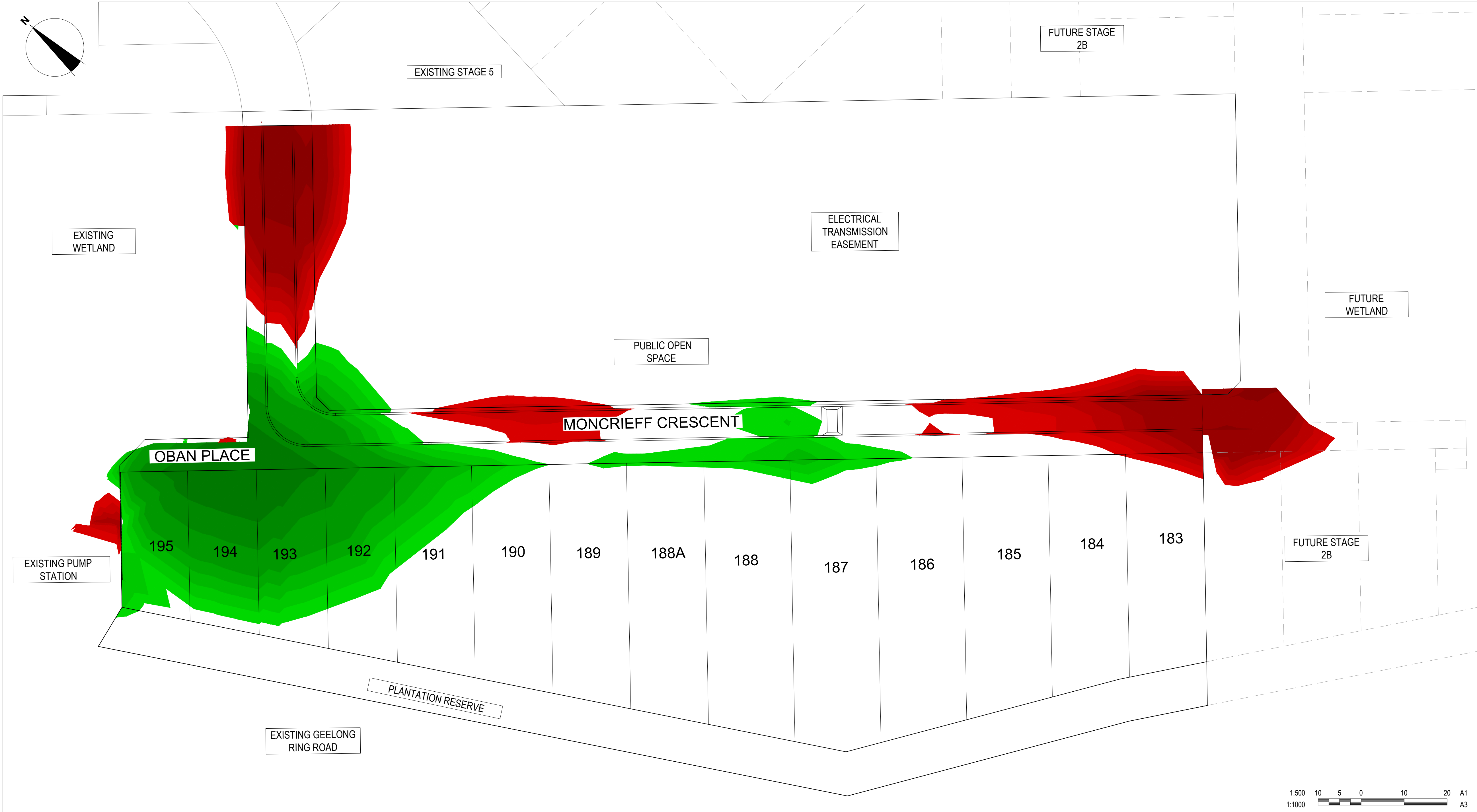
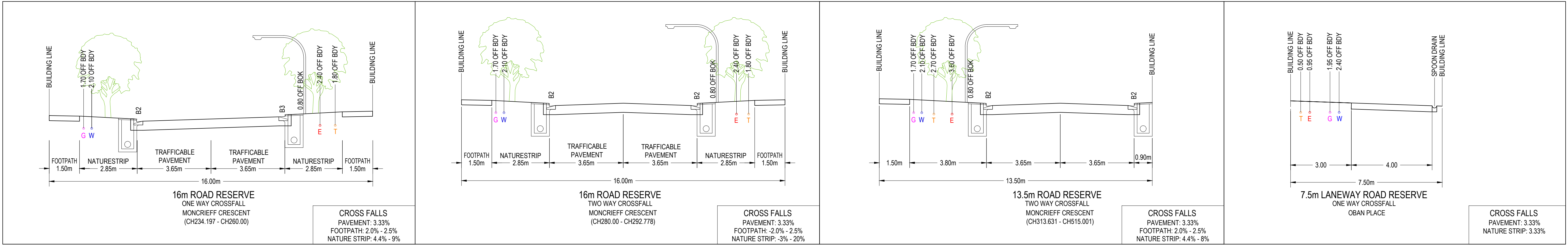
REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
07/05/20	07/05/20	AS CONSTRUCTED	C.R.	M.T.	T.P.
3	08/04/20	ALTERED OBAN PLACE BOLLARD ARRANGEMENT	C.R.	M.T.	T.P.
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A	29/07/19	APPROVAL ISSUE	C.R.	M.T.	T.P.



DRAWING TITLE
WANDANA ESTATE - STAGE 6 LAYOUT PLAN

DRAWING TITLE
WANDANA ESTATE - STAGE 6 LAYOUT PLAN

SCALE AT A1	DRAWN	DESIGNED
1:500 @ A1	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	T.PALIOS	29/07/19
PROJECT No.	DRAWING No.	REVISION
180363.6	R200	4



DEPTH RANGE LEGEND			
Lower value	Upper value		Colour
	<-2	m	
-2.0	to	-1.5	m
-1.5	to	-1.0	m
-1.0	to	-0.8	m
-0.8	to	-0.6	m
-0.6	to	-0.4	m
-0.4	to	-0.2	m
-0.2	to	0.2	m
0.2	to	0.4	m
0.4	to	0.6	m
0.6	to	0.8	m
0.8	to	1.0	m
1.0	to	1.5	m
1.5	to	2.0	m
>2.0		m	

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REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
2	07/05/20	AS CONSTRUCTED	C.R.	M.T.	T.P.
1	29/10/19	REVISED SERVICE OFFSETS IN OBAN PLACE	C.R.	M.T.	T.P.
0	26/09/19	CONSTRUCTION ISSUE	C.R.	M.T.	T.P.
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A	29/07/19	APPROVAL ISSUE	C.R.	M.T.	T.P.

Communities Designed for Living

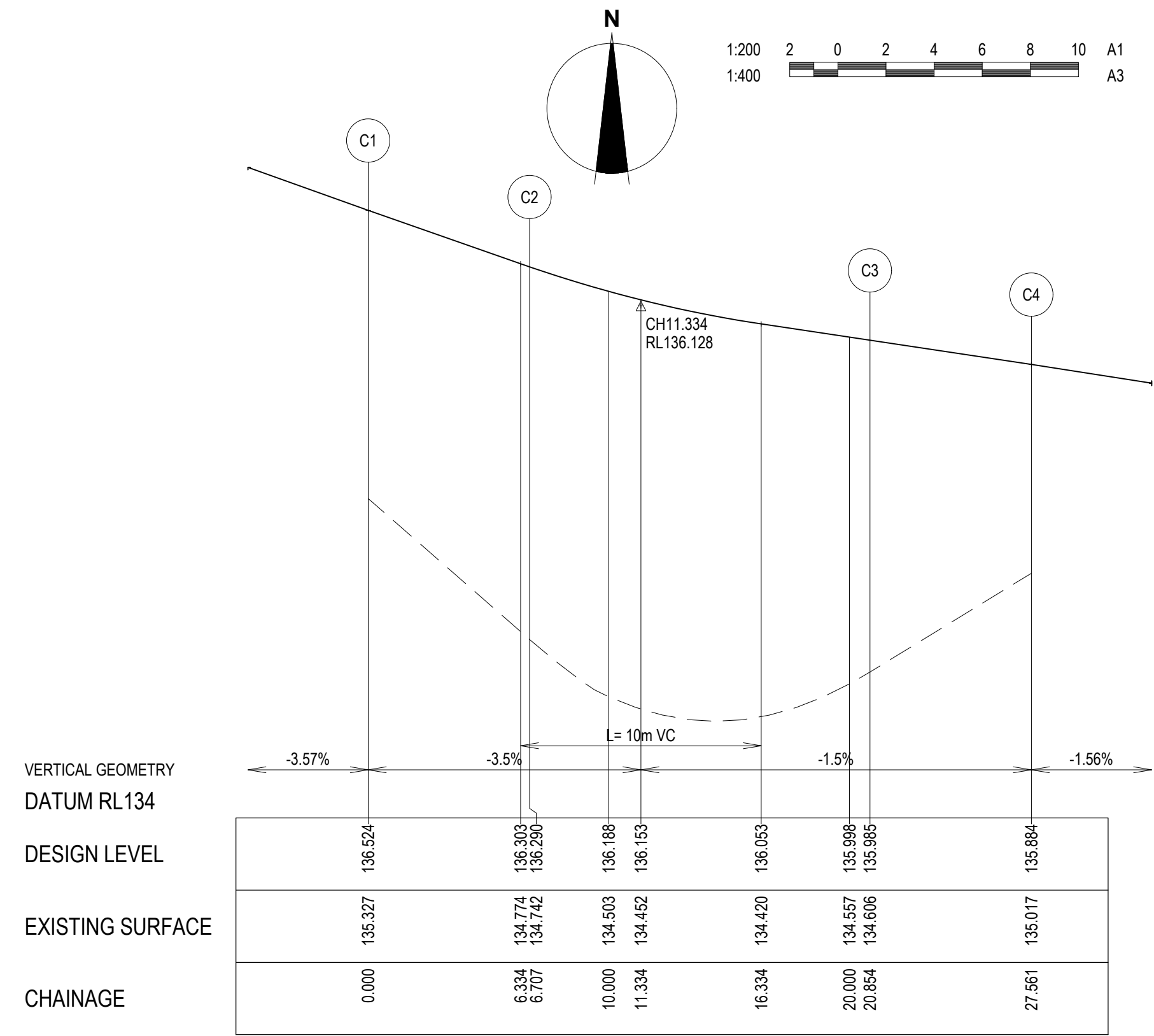
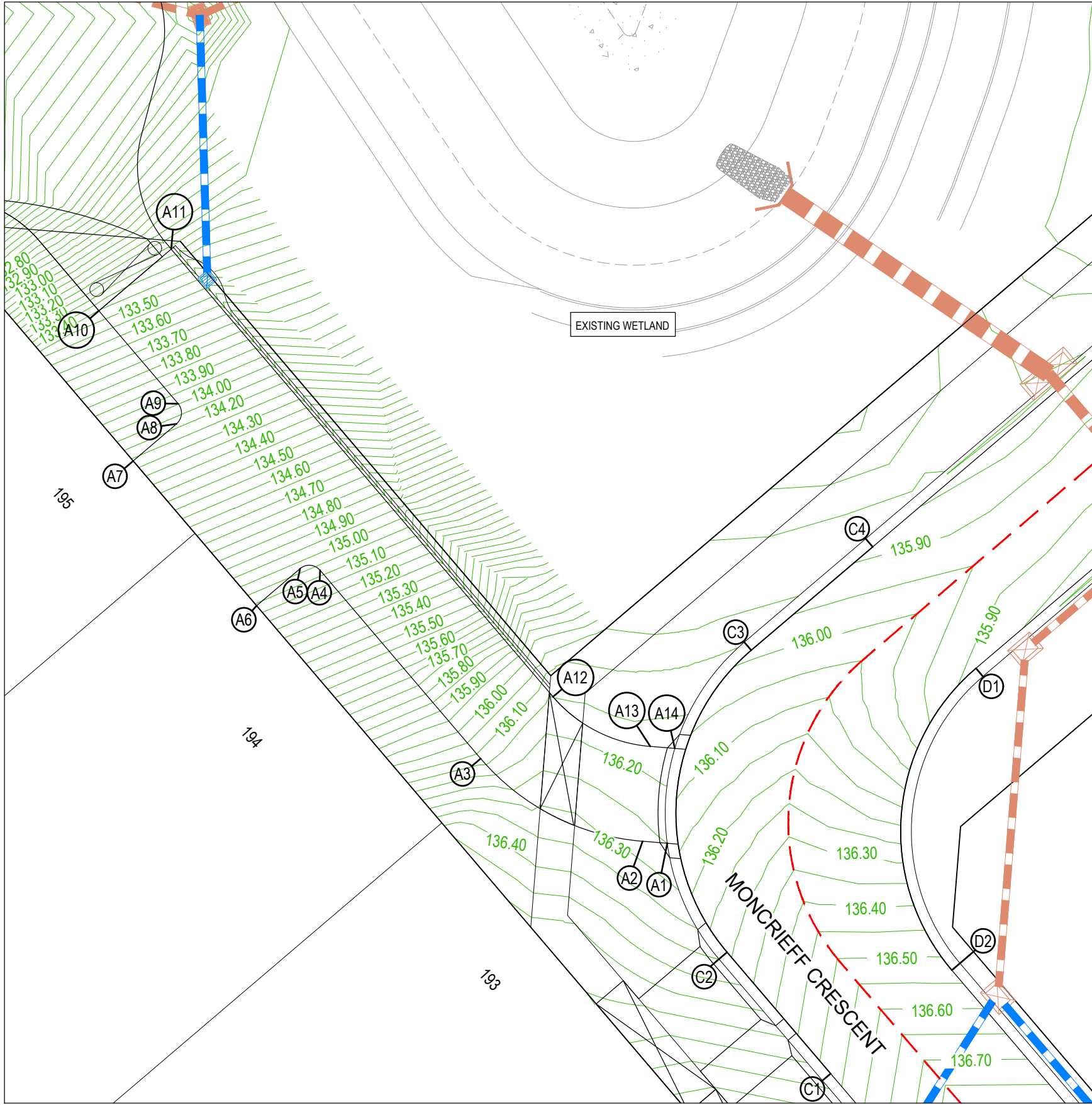
Level 7, 176 Wellington Parade
East Melbourne, VIC, Australia 3002

Wandana Heights

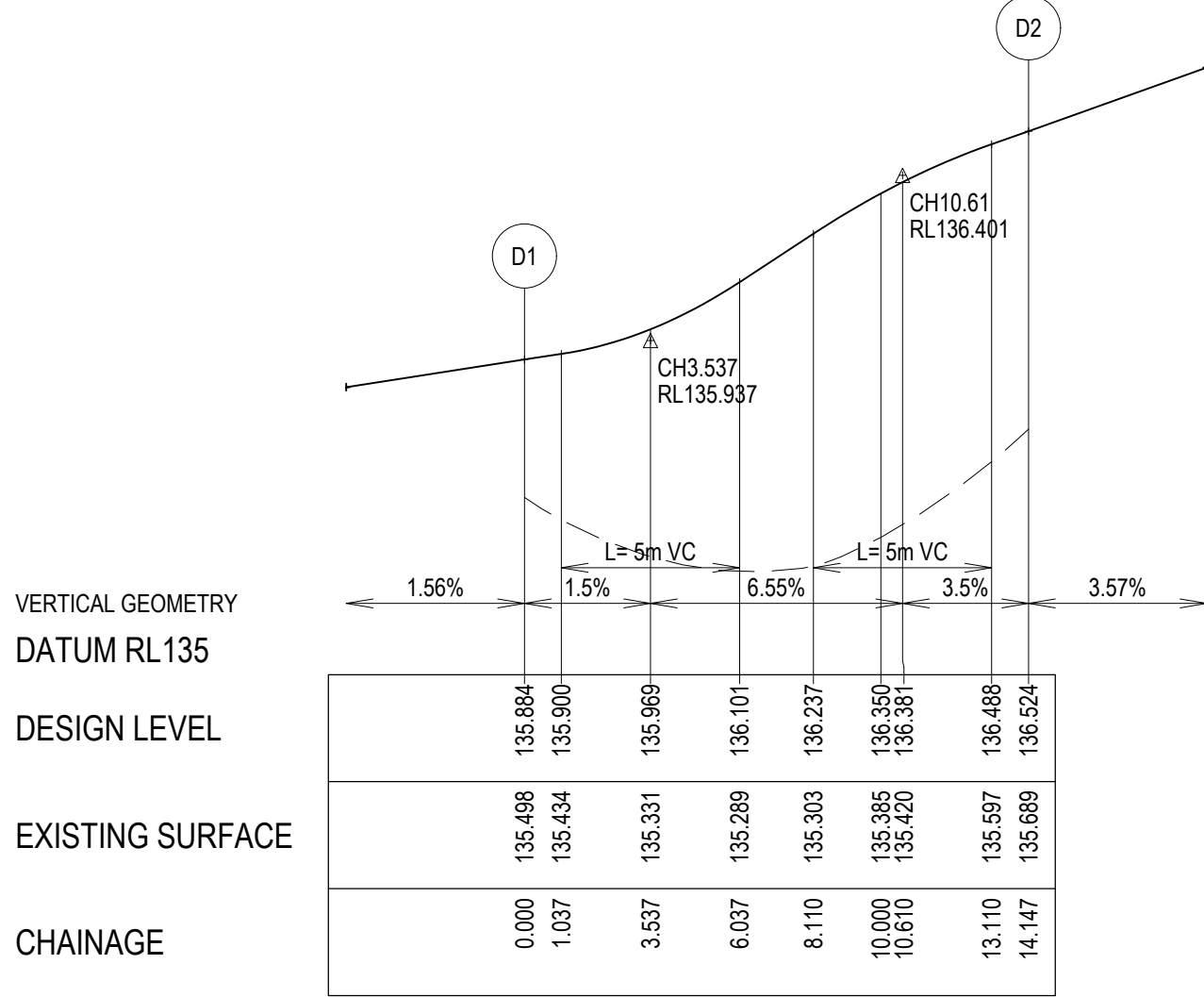
DRAWING TITLE
**WANDANA ESTATE - STAGE 6
EARTHWORKS PLAN**

STATUS
AS CONSTRUCTED

SCALE AT A1 1:500 @ A1	DRAWN C.ROHDE	DESIGNED C.ROHDE
PROJECT ENGINEER M.TROUNCE	PROJECT MANAGER T.PALIOS	DATE FIRST ISSUE 29/07/19
PROJECT No. 180363.6	DRAWING No. R201	REVISION 2



Alignment C								
Point no	Easting	Northing	RL					
C1	263068.746	5771262.131	136.524					
C2	263064.394	5771267.234	136.290					
C3	263065.408	5771279.929	135.985					
C4	263070.516	5771284.276	135.884					
Curve no	I	Radius	Arc	A	B	X	Y	I
C2 - C3	90.061	9.000	14.147	2.639	1.953	3.446	2.921	3.537

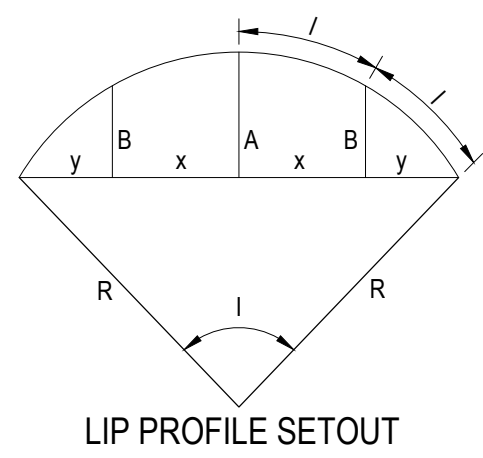


Alignment D											
Point no	Easting	Northing	RL								
D1	263074.858	5771279.173	135.884								
D2	263073.844	5771266.479	136.524								
Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL		
D1 - D2	90.061	9.000	14.147	2.639	1.953	3.446	2.921	3.537	136.169		

SIGNED (CONSULTANT)

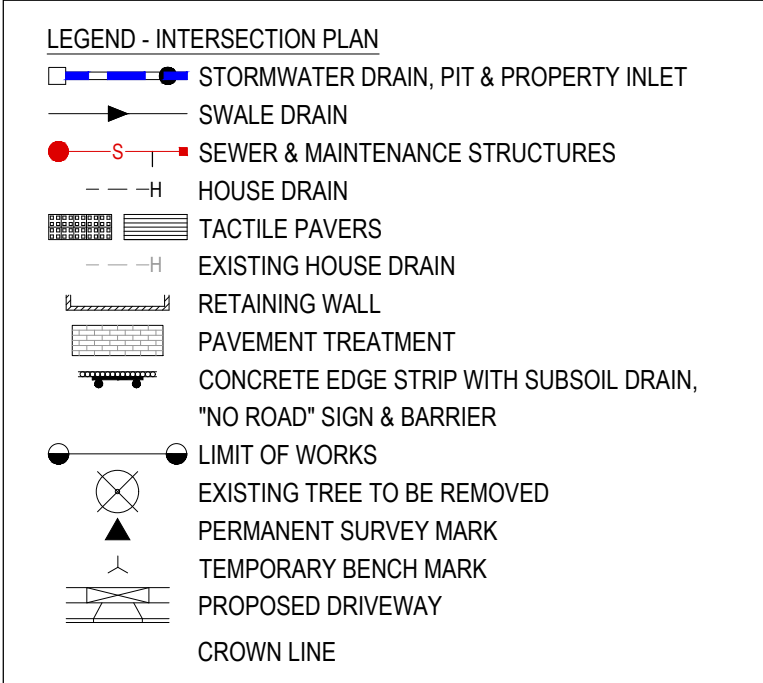
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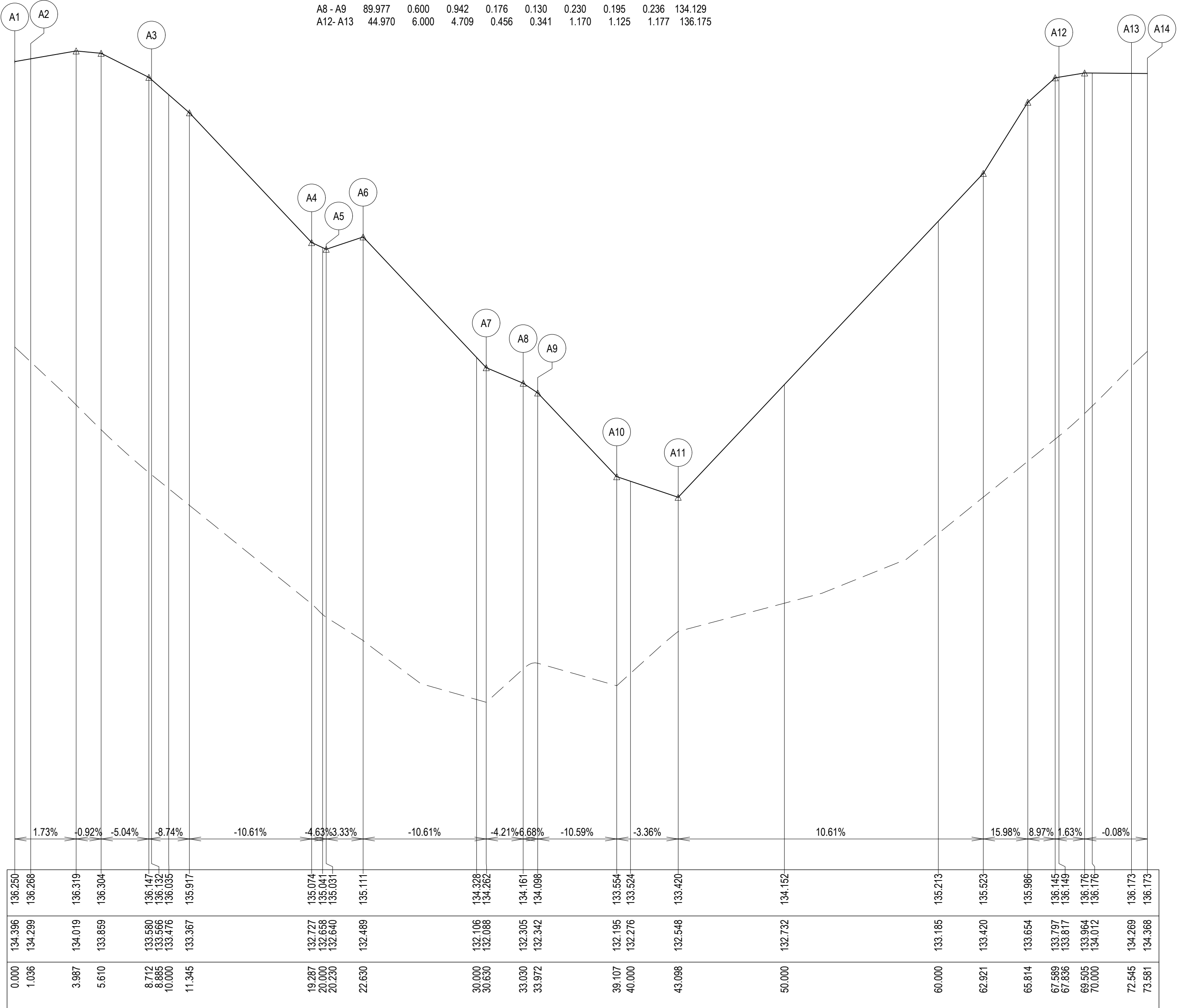


LEGEND
--- EXISTING SURFACE
--- DESIGN LINE




NOTE:
REFER SHEET R800 FOR
SIGNAGE & LINEMARKING PLAN



Alignment A											
Point no	Easting	Northing	RL								
A1	263061.876	5771271.816	136.250								
A2	263060.843	5771271.899	136.268								
A3	263054.031	5771275.378	136.132								
A4	263047.281	5771283.292	135.074								
A5	263046.435	5771283.359	135.031								
A6	263044.609	5771281.802	135.111								
A7	263039.417	5771287.889	134.262								
A8	263041.243	5771289.447	134.161								
A9	263041.310	5771290.293	134.098								
A10	263037.978	5771294.200	133.554								
A11	263041.013	5771296.789	133.420								
A12	263057.074	5771277.973	136.149								
A13	263061.162	5771275.886	136.173								
A14	263062.195	5771275.803	136.173								
Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL		
A2 - A3	44.970	10.000	7.849	0.760	0.568	1.950	1.875	1.962	136.310		
A4 - A5	90.000	0.600	0.942	0.176	0.130	0.230	0.195	0.236	135.052		
A8 - A9	89.977	0.600	0.942	0.176	0.130	0.230	0.195	0.236	134.129		
A12 - A13	44.970	6.000	4.709	0.458	0.341	1.170	1.125	1.177	136.175		

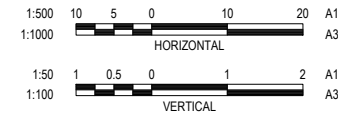


LIP LINE A

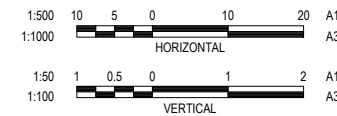
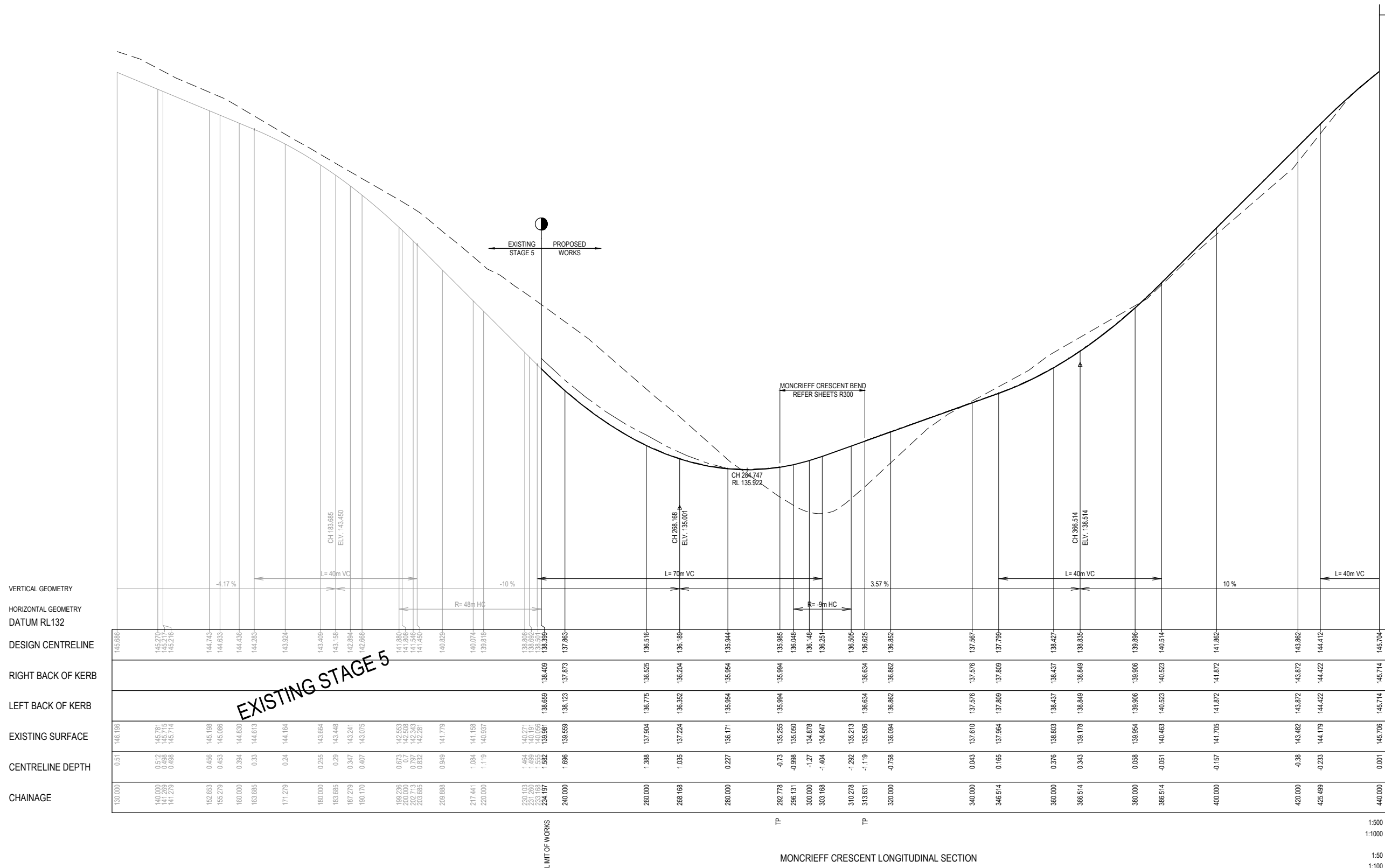
REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED
						 Communities Designed for Living	 Level 7, 176 Wellington Parade East Melbourne, VIC, Australia 3002		WANDANA ESTATE - STAGE 6 INTERSECTION DETAIL PLAN	AS CONSTRUCTED		
2	07/05/20	AS CONSTRUCTED	C.R	M.T	T.P							
1	20/11/19	REVISED OBAN PLACE	C.R	M.T	T.P							
0	26/09/19	CONSTRUCTION ISSUE	C.R	M.T	T.P							
B	06/09/19	AMENDMENTS AS PER COUNCIL COMMENTS	C.R	M.T	T.P							
A	29/07/19	APPROVAL ISSUE	C.R	M.T	T.P							
										PROJECT No.	DRAWING No.	REVISION
										180363.6	R300	2




SIGNED (CONSULTANT)

SIGNED (CONTRACTOR)



LEGEND	
— — — — —	EXISTING SURFACE
—————	DESIGN LINE
- - - - -	FUTURE DESIGN LINE
— — — — —	LEFT BACK OF KERB
— · — — · —	RIGHT BACK OF KERB



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED	
						 Communities Designed for Living	 Level 7, 176 Wellington Parade East Melbourne, VIC, Australia 3002		WANDANA ESTATE - STAGE 6 LONGITUDINAL SECTIONS - 1	AS CONSTRUCTED	AS SHOWN	C.ROHDE	C.ROHDE
					PROJECT ENGINEER						PROJECT MANAGER	DATE FIRST ISSUE	
					M.TROUNCE						T.PALIOS	29/07/19	
1	07/05/20	AS CONSTRUCTED	C.R	M.T	T.P						PROJECT No.	DRAWING No.	REVISION
0	26/09/19	CONSTRUCTION ISSUE	C.R	M.T	T.P						180363.6	R400	1
B	06/09/19	AMENDMENTS AS PER COUNCIL COMMENTS	C.R	M.T	T.P								
A	29/07/19	APPROVAL ISSUE	C.R	M.T	T.P								

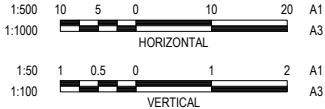
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LEGEND

EXISTING SURFACE

DESIGN LINE

FUTURE DESIGN LINE

LEFT BACK OF KERB

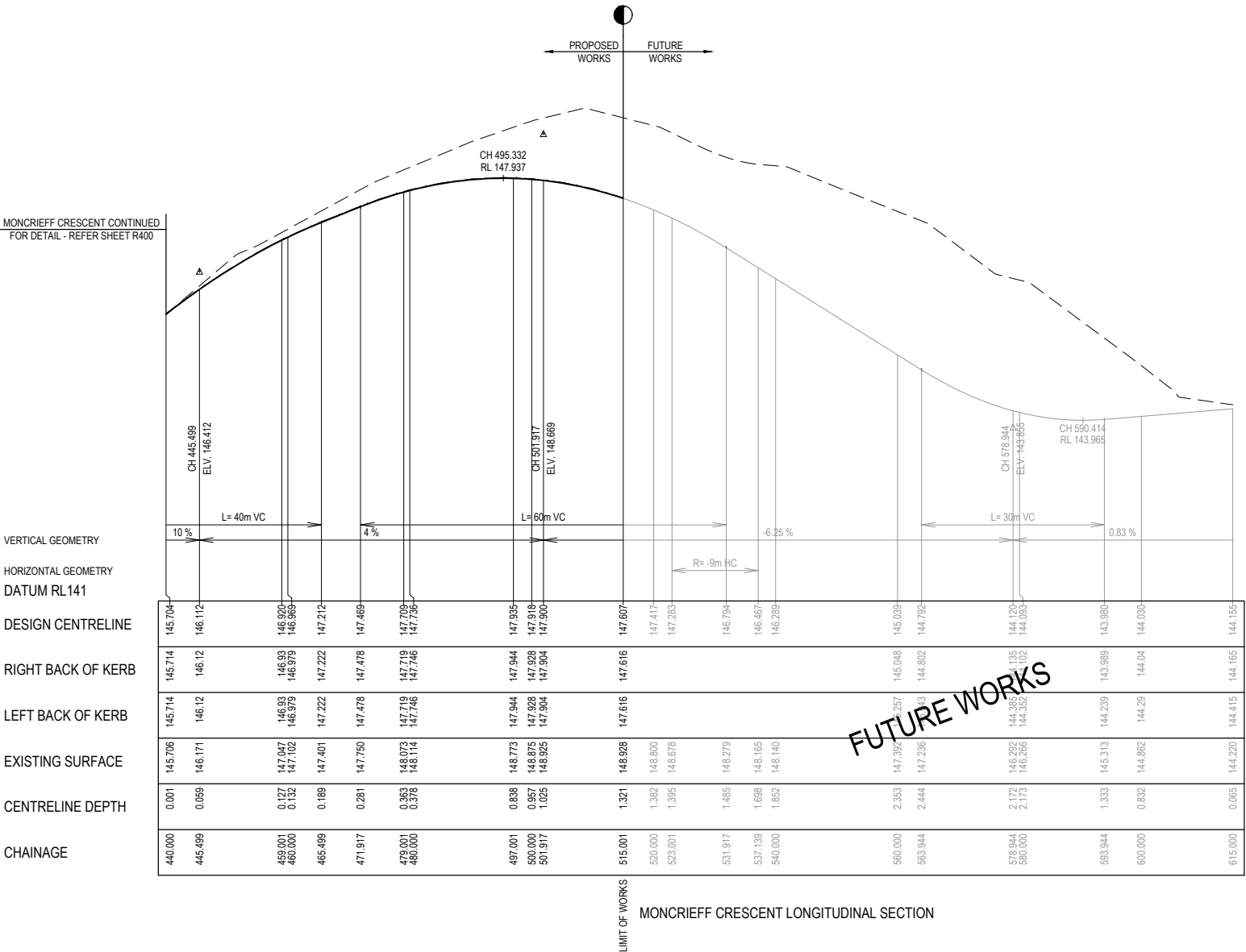
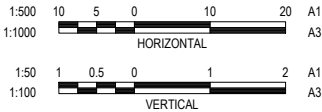
RIGHT BACK OF KERB




SIGNED (CONSULTANT)

SIGNED (CONTRACTOR)

MONCRIEFF CRESCENT CENTRELINE SETOUT

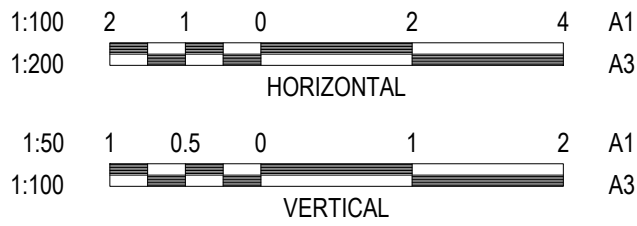
CHAINAGE	EASTING	NORTHING	BEARING	--- IP Details ---
234.197	263117.298	5771319.692	229°35'57" CT	IP 1 coordinate = 263117.2984 5771319.6917 chainage = 234.1972
240.000	263112.879	5771315.931	229°35'57"	
260.000	263097.649	5771302.968	229°35'57"	
280.000	263082.418	5771290.005	229°35'57"	
296.131	263070.134	5771279.550	229°35'57"	
296.471	263069.880	5771279.325	227°26'20"	IP 2 coordinate = 263063.2729 5771273.7109 centre = 263075.9670 5771272.6965 radius = -9.0000 length = 14.1466 intersect angle = 90°03'37"
297.647	263069.087	5771278.475	219°56'57"	
298.824	263068.373	5771277.527	212°27'34"	
300.000	263067.808	5771276.496	204°58'11"	
301.176	263067.383	5771275.400	197°28'49"	
302.353	263067.104	5771274.258	189°59'26"	
303.529	263066.976	5771273.089	182°30'03"	
304.706	263067.001	5771271.914	175°00'40"	
305.882	263067.180	5771270.752	167°31'18"	
307.059	263067.508	5771269.623	160°01'55"	
308.235	263067.981	5771268.547	152°32'32"	end tangent coordinate = 263070.1338 5771279.5502 length = 9.0095 chainage = 296.1312 bearing = 229°35'57"
309.412	263068.590	5771267.541	145°03'10"	
310.278	263069.119	5771266.856	139°32'20" CT	
320.000	263075.428	5771259.459	139°32'20"	
340.000	263088.407	5771244.242	139°32'20"	
360.000	263101.386	5771229.025	139°32'20"	
380.000	263114.364	5771213.808	139°32'20"	
400.000	263127.343	5771198.591	139°32'20"	
420.000	263140.322	5771183.374	139°32'20"	
440.000	263153.300	5771168.157	139°32'20"	
460.000	263166.279	5771152.940	139°32'20"	IP 3 coordinate = 263201.971 5771111.093 chainage = 515.001
480.000	263179.257	5771137.724	139°32'20"	
500.000	263192.236	5771122.507	139°32'20"	
515.001	263201.971	5771111.093	139°32'20"	



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED	
						 Communities Designed for Living	 Level 7, 176 Wellington Parade East Melbourne, VIC, Australia 3002		WANDANA ESTATE - STAGE 6 LONGITUDINAL SECTIONS - 2	AS CONSTRUCTED	AS SHOWN	C.ROHDE	C.ROHDE
					PROJECT ENGINEER						PROJECT MANAGER	DATE FIRST ISSUE	
					M.TROUNCE						T.PALIOS	29/07/19	
					PROJECT No.						DRAWING No.	REVISION	
					180363.6						R401	1	
1	07/05/20	AS CONSTRUCTED	C.R	M.T	T.P								
0	26/09/19	CONSTRUCTION ISSUE	C.R.	M.T.	T.P.								
B	06/09/19	AMENDMENTS AS PER COUNCIL COMMENTS	C.R.	M.T.	T.P.								
A	29/07/19	APPROVAL ISSUE	C.R.	M.T.	T.P.								

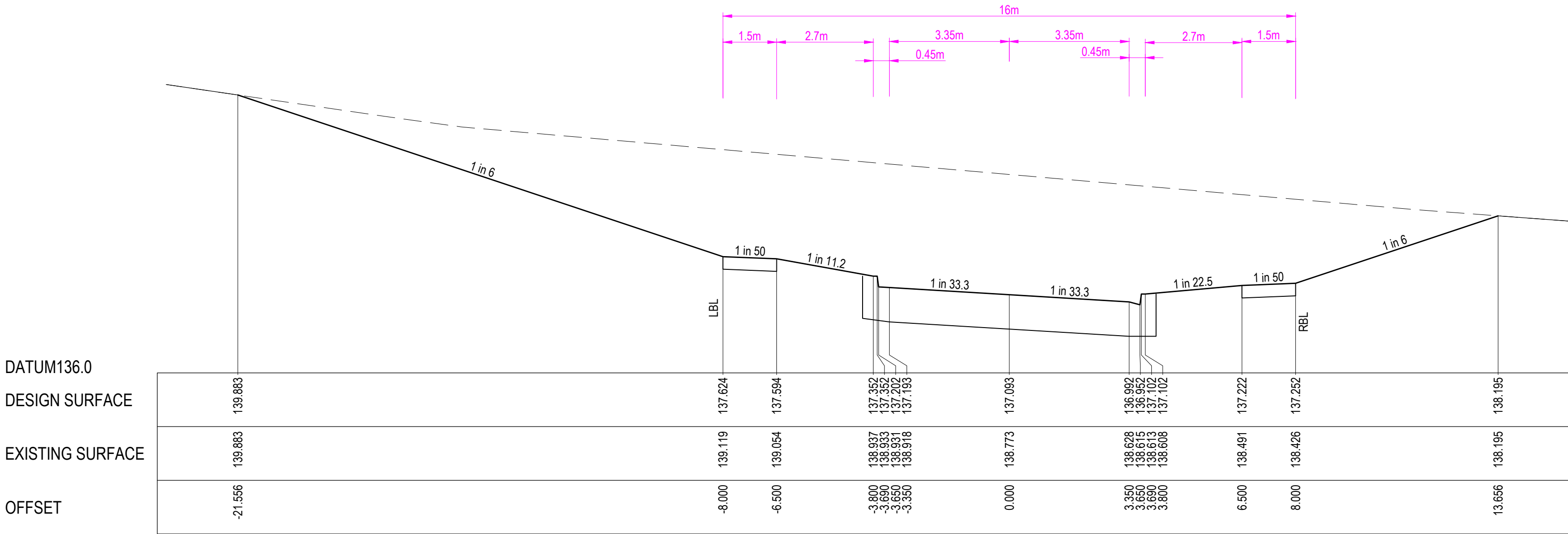
SIGNED (CONSULTANT)

SIGNED (CONTRACTOR)

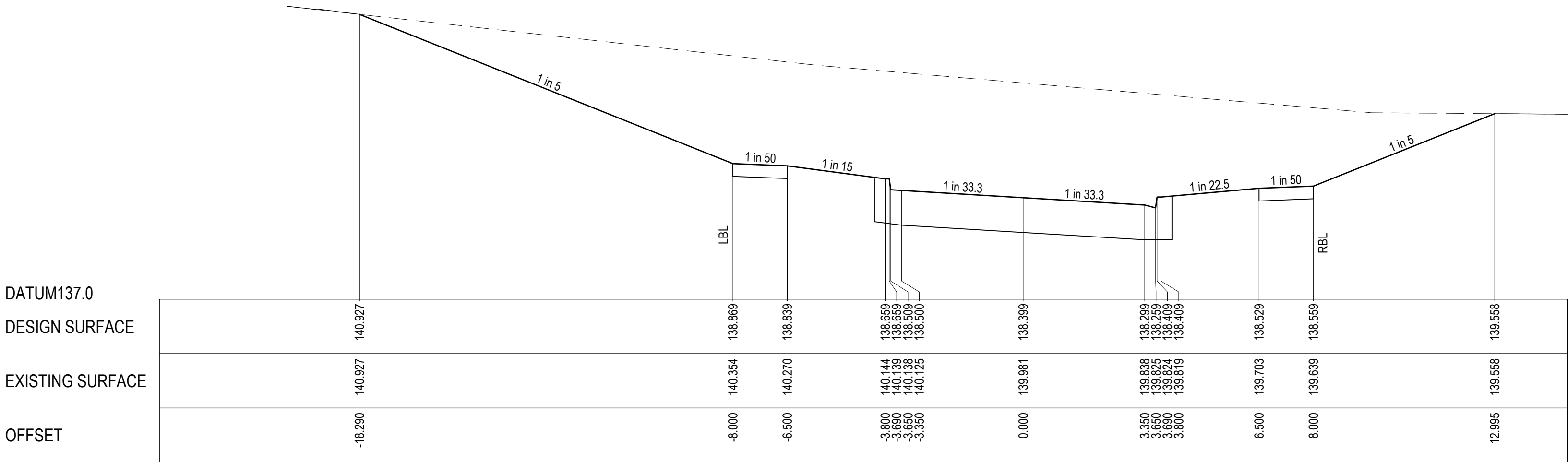


LEGEND	
<div></div>	EXISTING SURFACE
<div></div>	DESIGN LINE
<div></div>	SELECT FILL

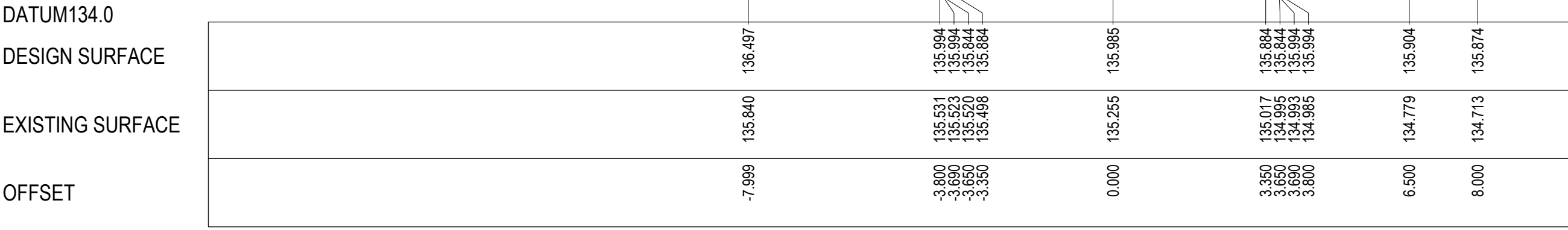
NOTE:
"SELECT FILL" EXTENDING 200mm BELOW NATURAL SURFACE
REQUIRED UNDER ALL PAVEMENT AND FOOTPATHS WHERE
CONSTRUCTED ABOVE NATURAL SURFACE. SELECT FILL TO
MEET CITY OF GREATER GEELONG REQUIREMENTS.



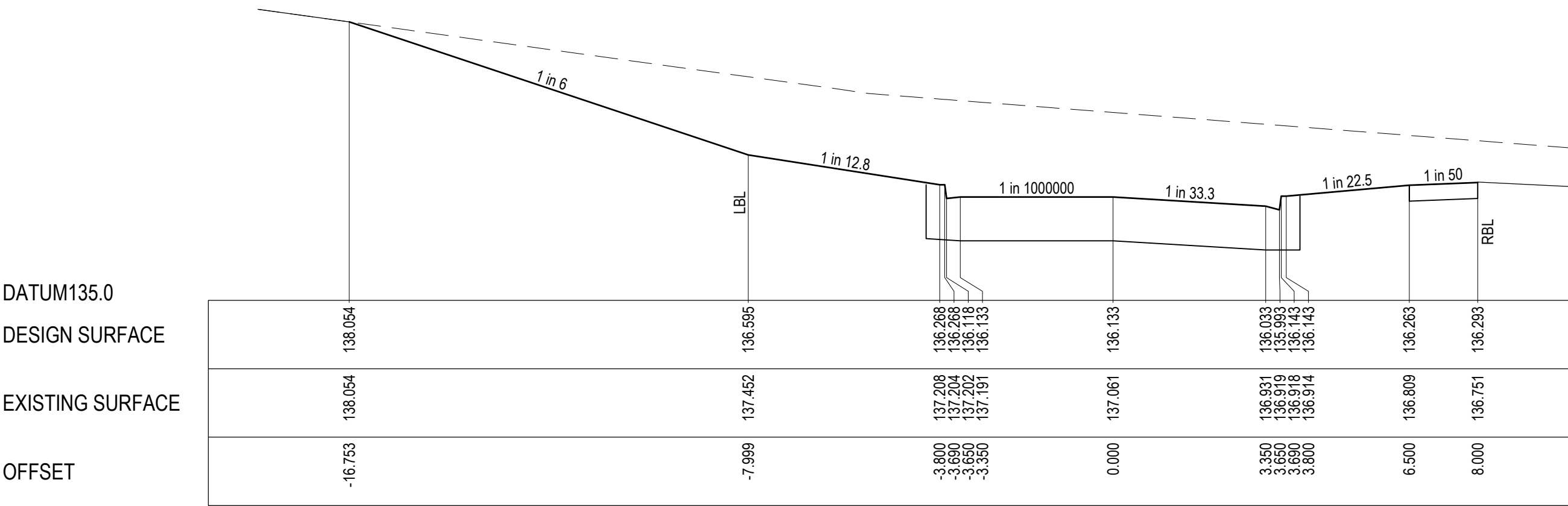
CH 250.000



CH 234.197 (LIMIT OF WORKS)



TPCH 292.778






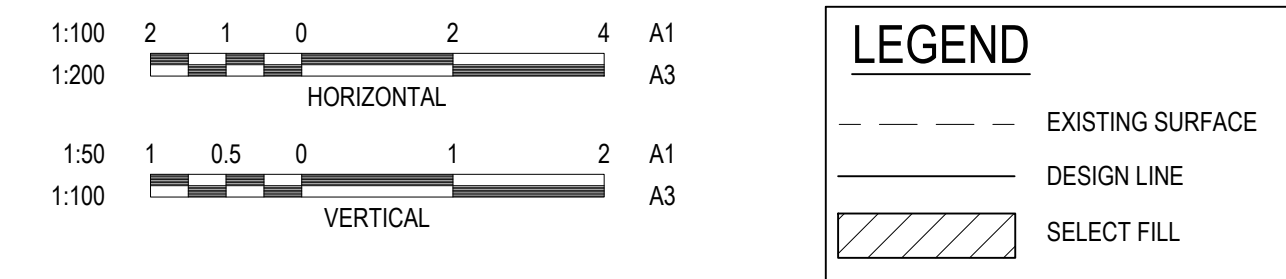
CH 270.000

WARNING
BEWARE OF UNDERGROUND & OVERHEAD SERVICES

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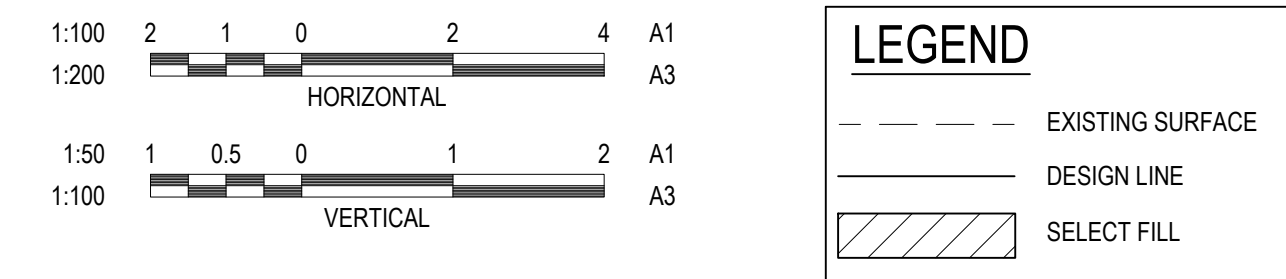
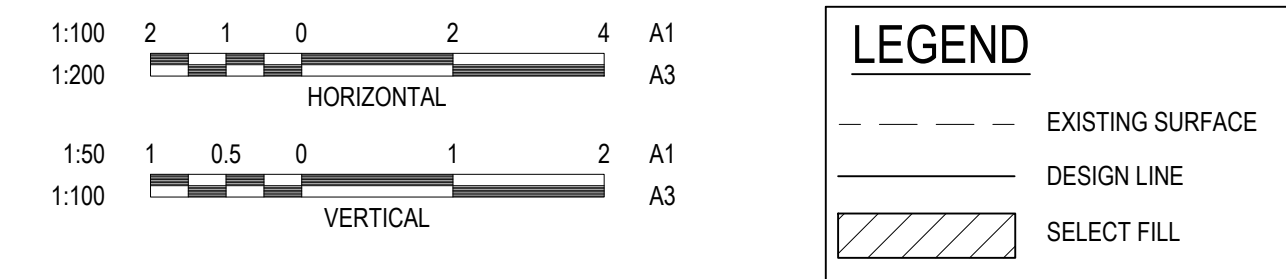
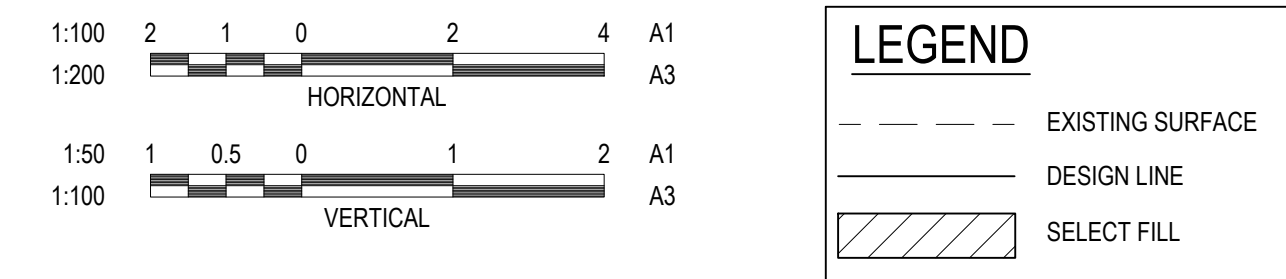
REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED
						 Communities Designed for Living	 Level 7, 176 Wellington Parade East Melbourne, VIC, Australia 3002	 WANDANA ESTATE - STAGE 6 ROAD CROSS SECTIONS - 1 MONCRIEFF CRESCENT 1 OF 3	AS CONSTRUCTED	AS SHOWN	C.ROHDE	C.ROHDE
					PROJECT ENGINEER					PROJECT MANAGER	DATE FIRST ISSUE	
					M.TROUNCE					T.PALIOS	29/07/19	
1	07/05/20	AS CONSTRUCTED	C.R	M.T	T.P					PROJECT No.	DRAWING No.	REVISION
0	26/09/19	CONSTRUCTION ISSUE	C.R	M.T	T.P					180363.6	R500	1
B	06/09/19	AMENDMENTS AS PER COUNCIL COMMENTS	C.R	M.T	T.P							
A	29/07/19	APPROVAL ISSUE	C.R	M.T	T.P							



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MEET CITY OF GREATER GEELONG REQUIREMENTS.

SIGNED (CONSULTANT)




SIGNED (CONTRACTOR)



WARNING
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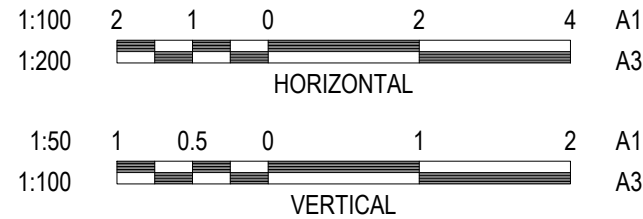
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REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED
						 Communities Designed for Living	 Level 7, 176 Wellington Parade East Melbourne, VIC, Australia 3002	 WANDANA ESTATE - STAGE 6 ROAD CROSS SECTIONS - 2 MONCRIEFF CRESCENT 2 OF 3	AS CONSTRUCTED	AS SHOWN	C.ROHDE	C.ROHDE
					PROJECT ENGINEER					PROJECT MANAGER	DATE FIRST ISSUE	
					M.TROUNCE					T.PALIOS	29/07/19	
1	07/05/20	AS CONSTRUCTED	C.R	M.T	T.P					PROJECT No.	DRAWING No.	REVISION
0	26/09/19	CONSTRUCTION ISSUE	C.R	M.T	T.P					180363.6	R501	1
B	06/09/19	AMENDMENTS AS PER COUNCIL COMMENTS	C.R	M.T	T.P							
A	29/07/19	APPROVAL ISSUE	C.R	M.T	T.P							

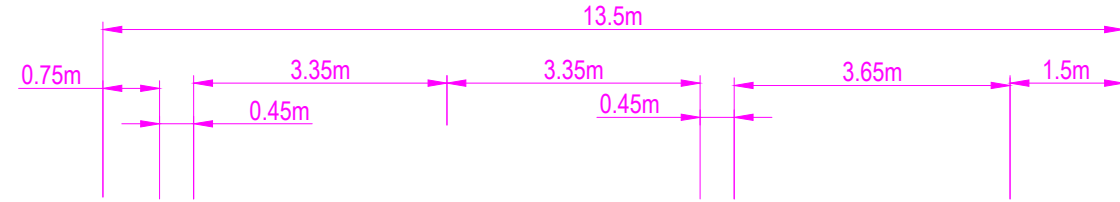
LEGEND

--- EXISTING SURFACE
— DESIGN LINE
SELECT FILL



NOTE:

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REQUIRED UNDER ALL PAVEMENT AND FOOTPATHS WHERE
CONSTRUCTED ABOVE NATURAL SURFACE. SELECT FILL TO
MEET CITY OF GREATER GEELONG REQUIREMENTS.



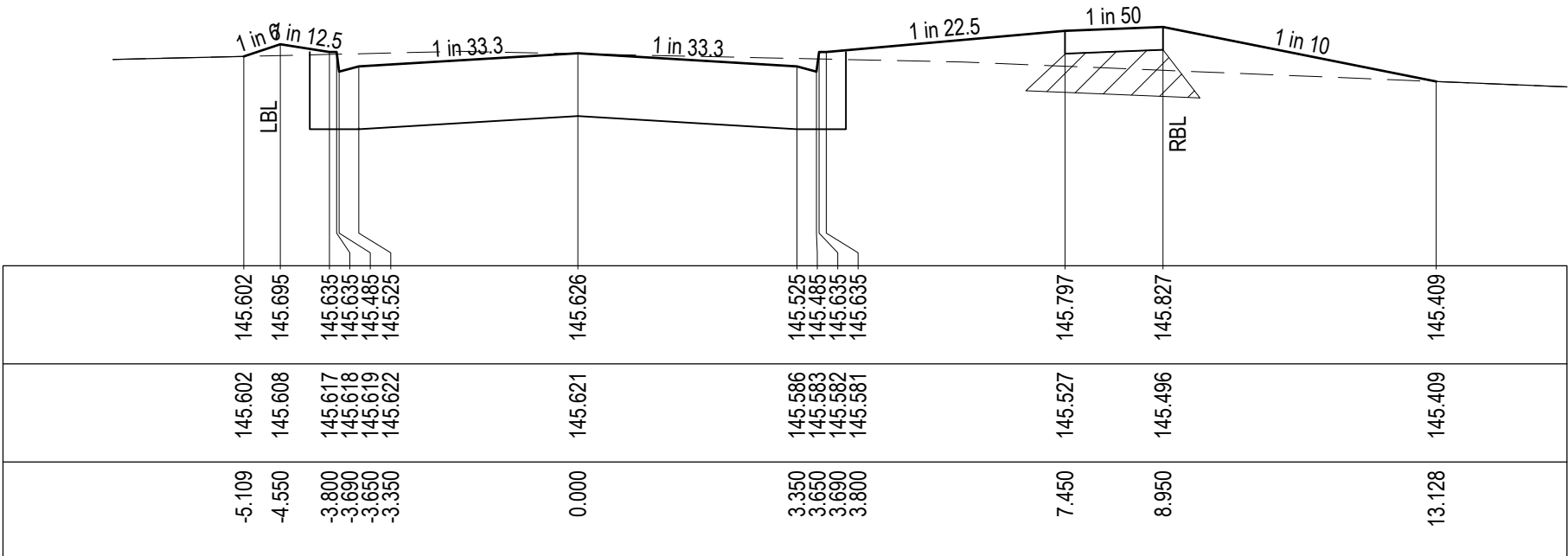
DATUM144.0

DESIGN SURFACE

EXISTING SURFACE

OFFSET

CH 439.001



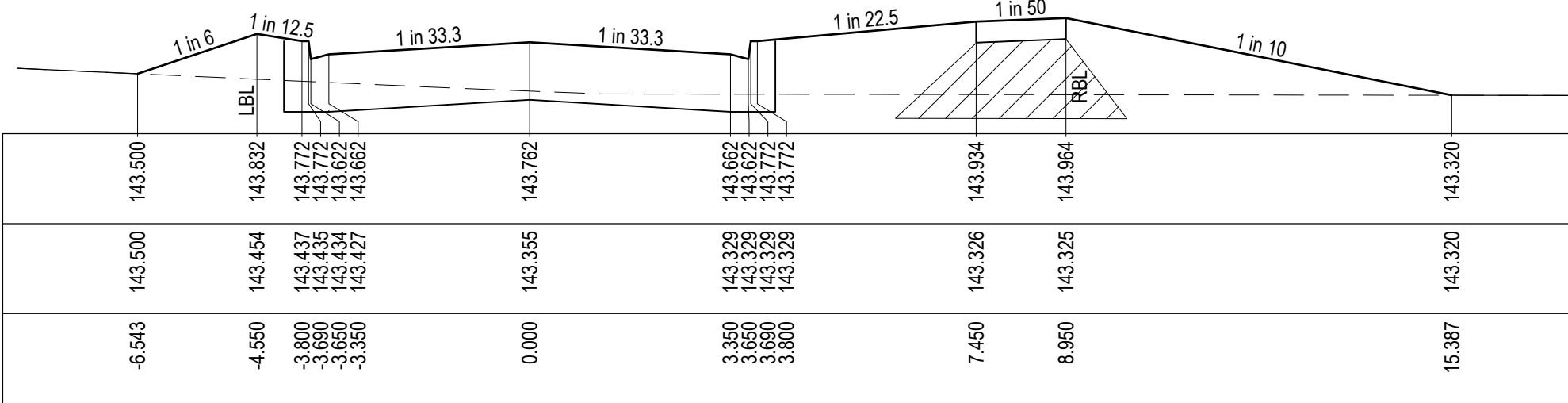
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DESIGN SURFACE

EXISTING SURFACE

OFFSET

CH 419.001



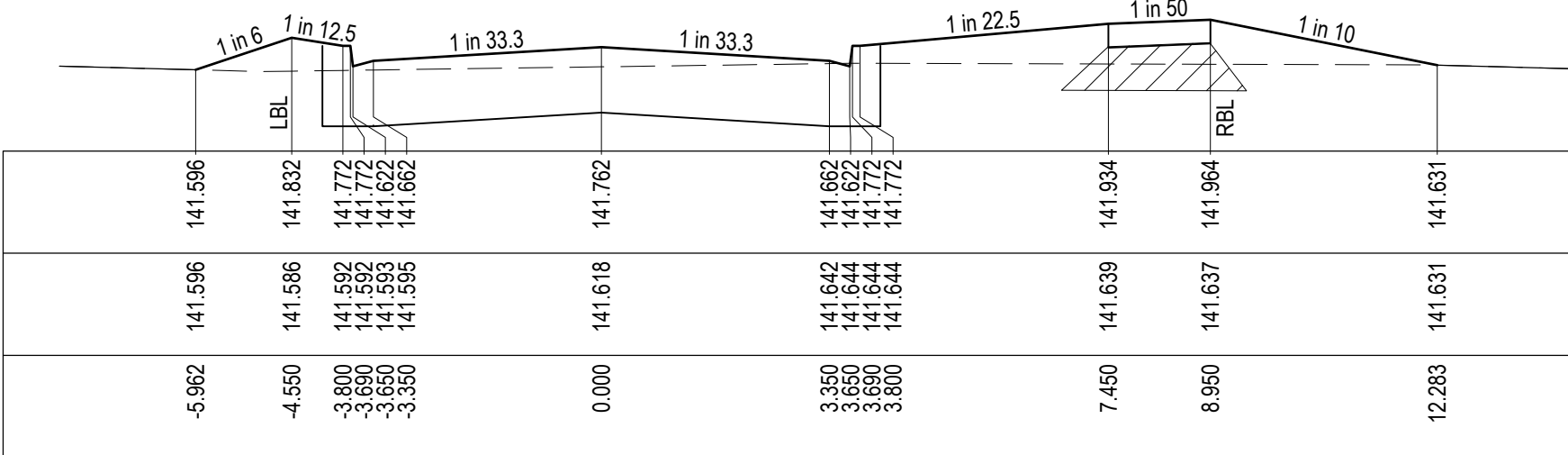
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DESIGN SURFACE

EXISTING SURFACE

OFFSET

CH 399.001



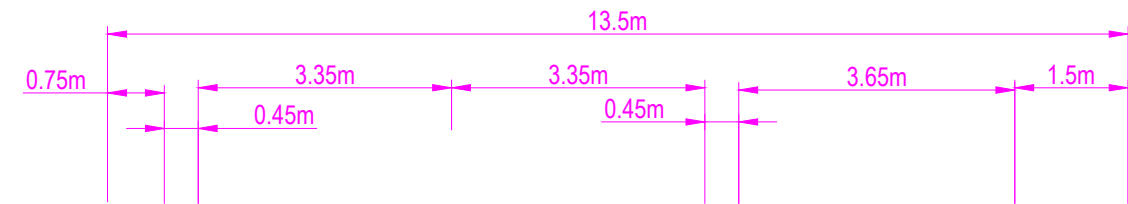
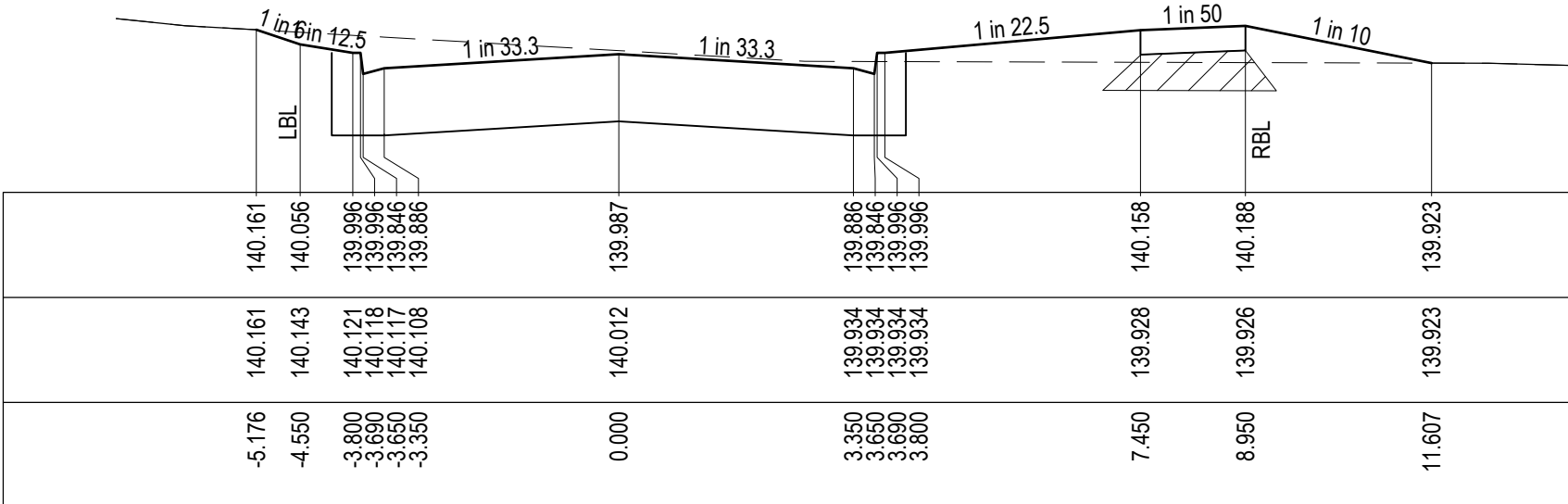
DATUM139.0

DESIGN SURFACE

EXISTING SURFACE

OFFSET

CH 381.001



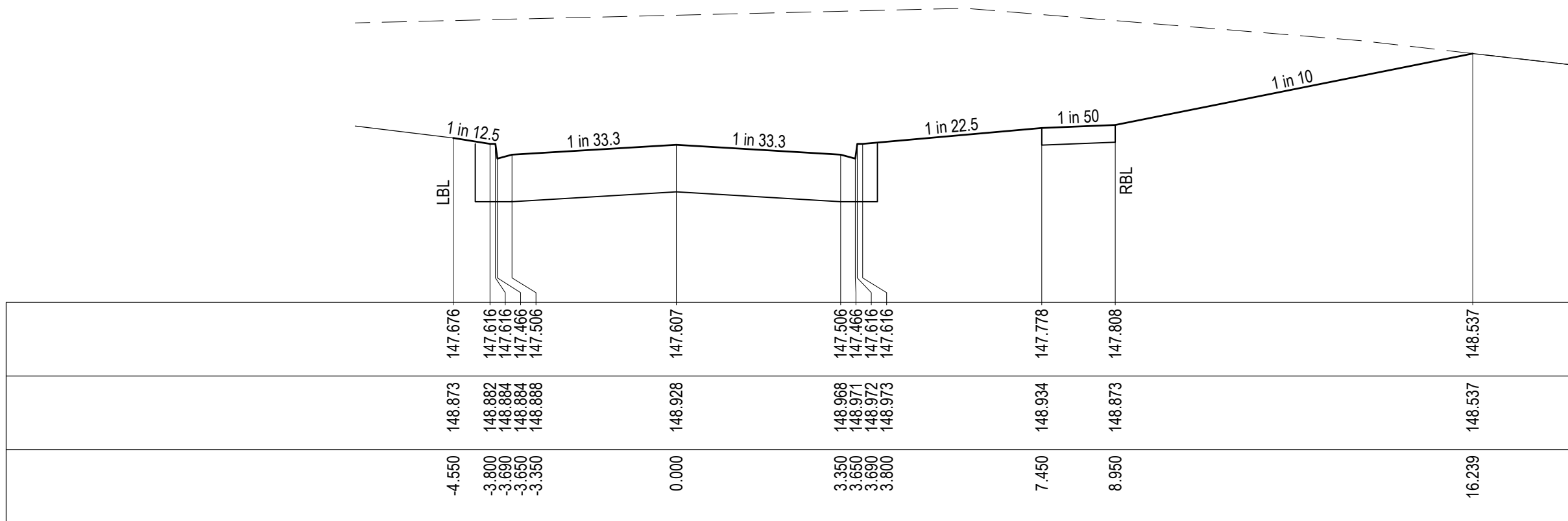
DATUM146.0

DESIGN SURFACE

EXISTING SURFACE

OFFSET

CH 515.001 (LIMIT OF WORKS)



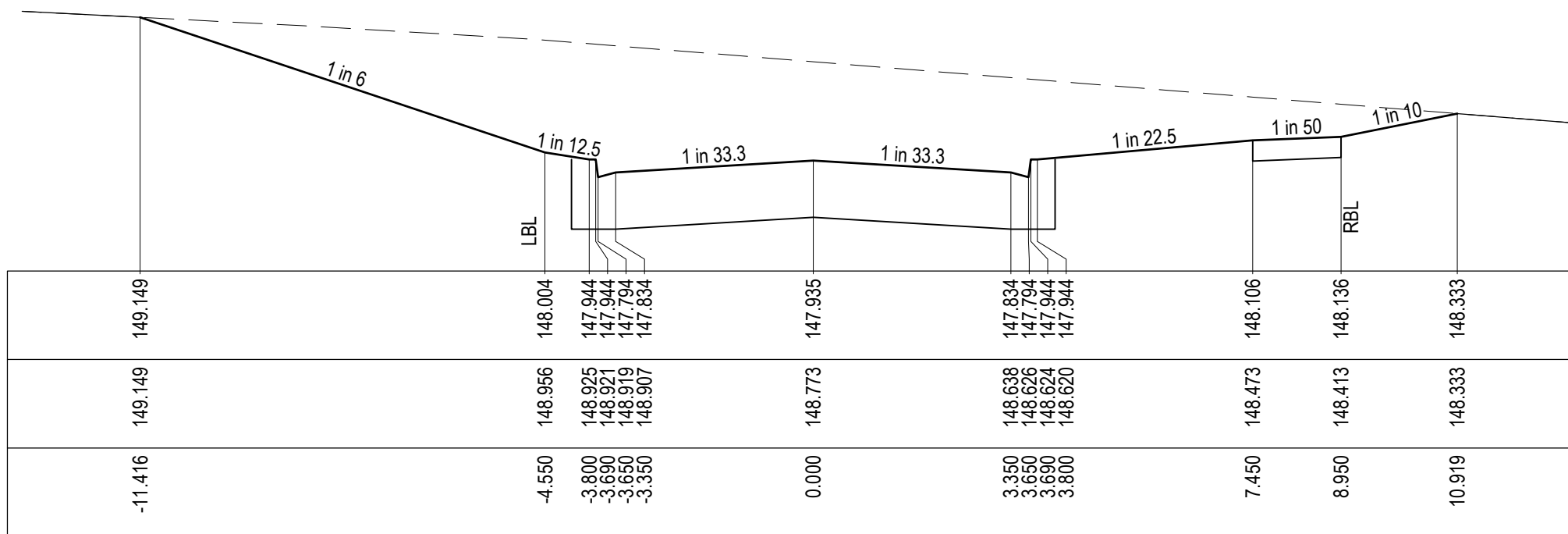
DATUM147.0

DESIGN SURFACE

EXISTING SURFACE

OFFSET

CH 497.001



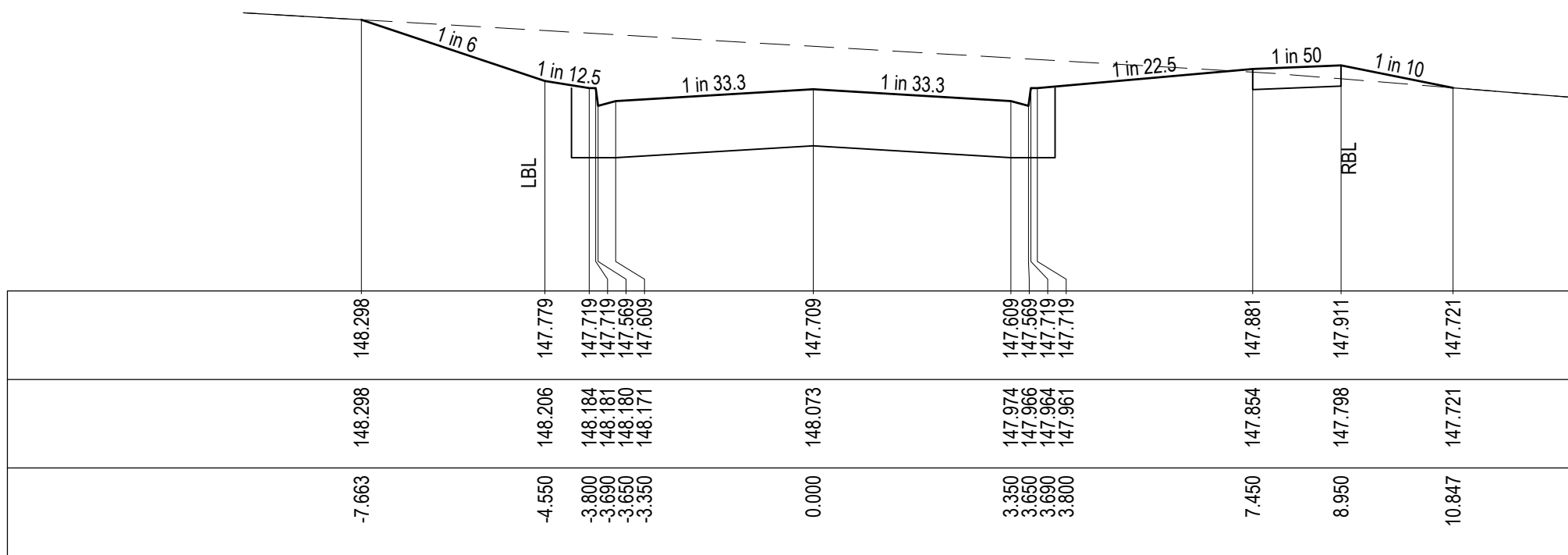
DATUM146.0

DESIGN SURFACE

EXISTING SURFACE

OFFSET

CH 479.001



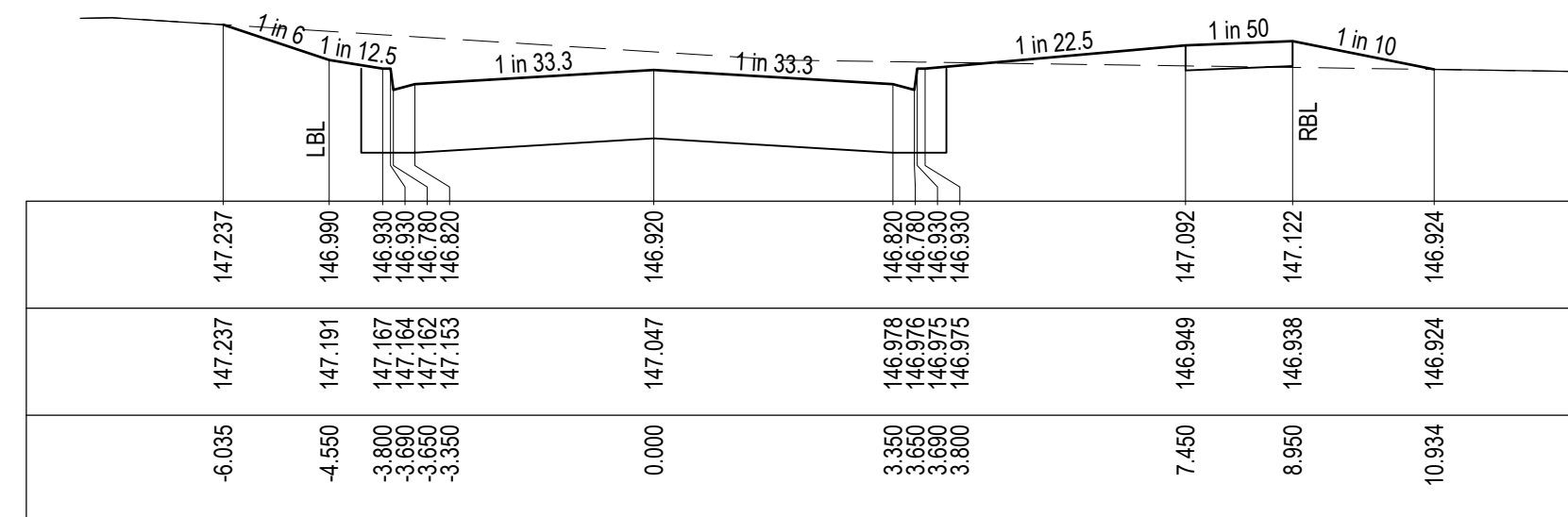
DATUM146.0

DESIGN SURFACE

EXISTING SURFACE

OFFSET

CH 459.001



SIGNED (CONSULTANT)

SIGNED (CONTRACTOR)

WARNING

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REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
1	07/05/20	AS CONSTRUCTED	C.R	M.T	T.P
0	26/09/19	CONSTRUCTION ISSUE	C.R	M.T	T.P
B	06/09/19	AMENDMENTS AS PER COUNCIL COMMENTS	C.R	M.T	T.P
A	29/07/19	APPROVAL ISSUE	C.R	M.T	T.P



Level 7, 176 Wellington Parade
East Melbourne, VIC, Australia 3002



DRAWING TITLE
WANDANA ESTATE - STAGE 6
ROAD CROSS SECTIONS - 3
MONCRIEFF CRESCENT 3 OF 3

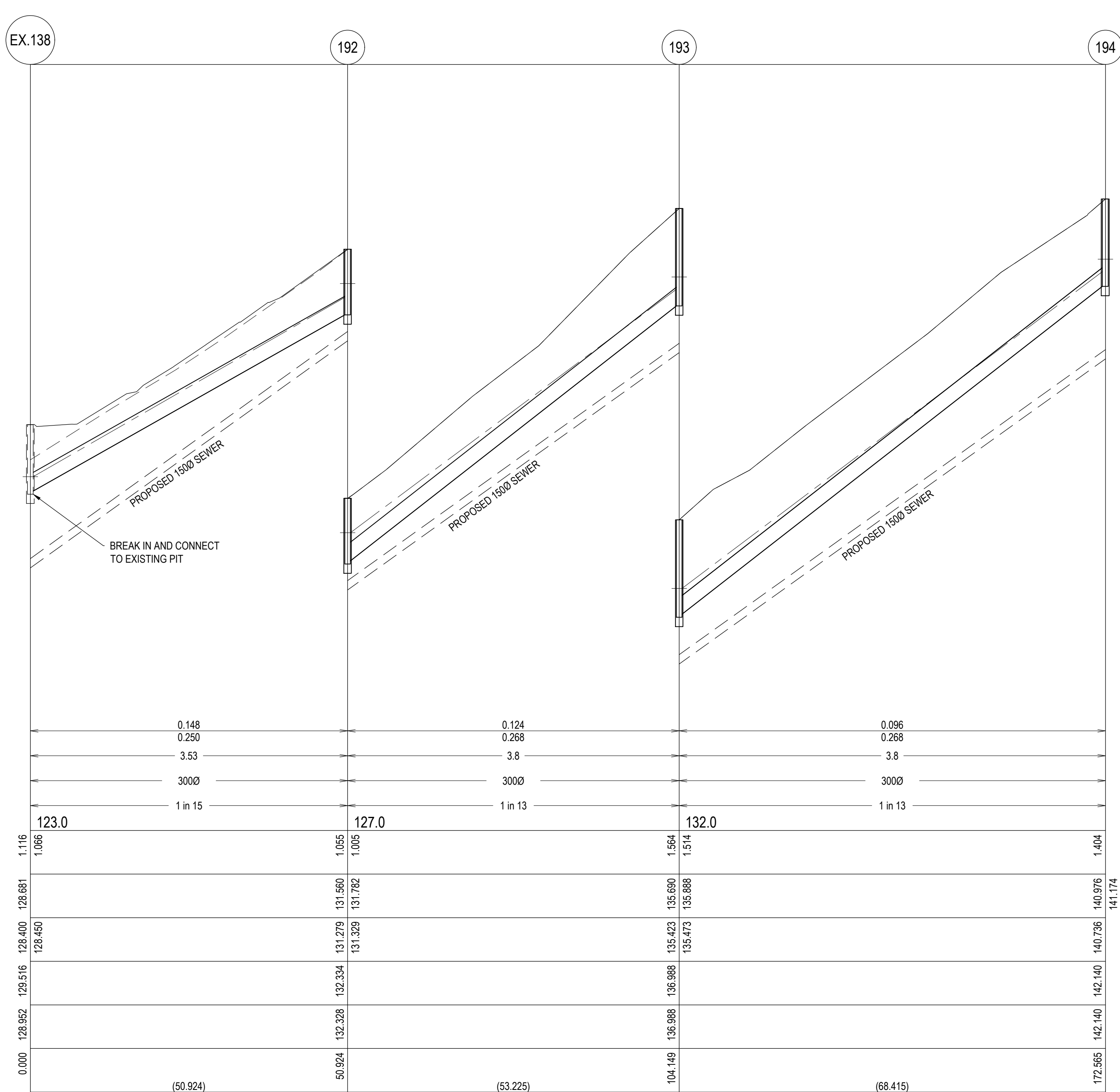
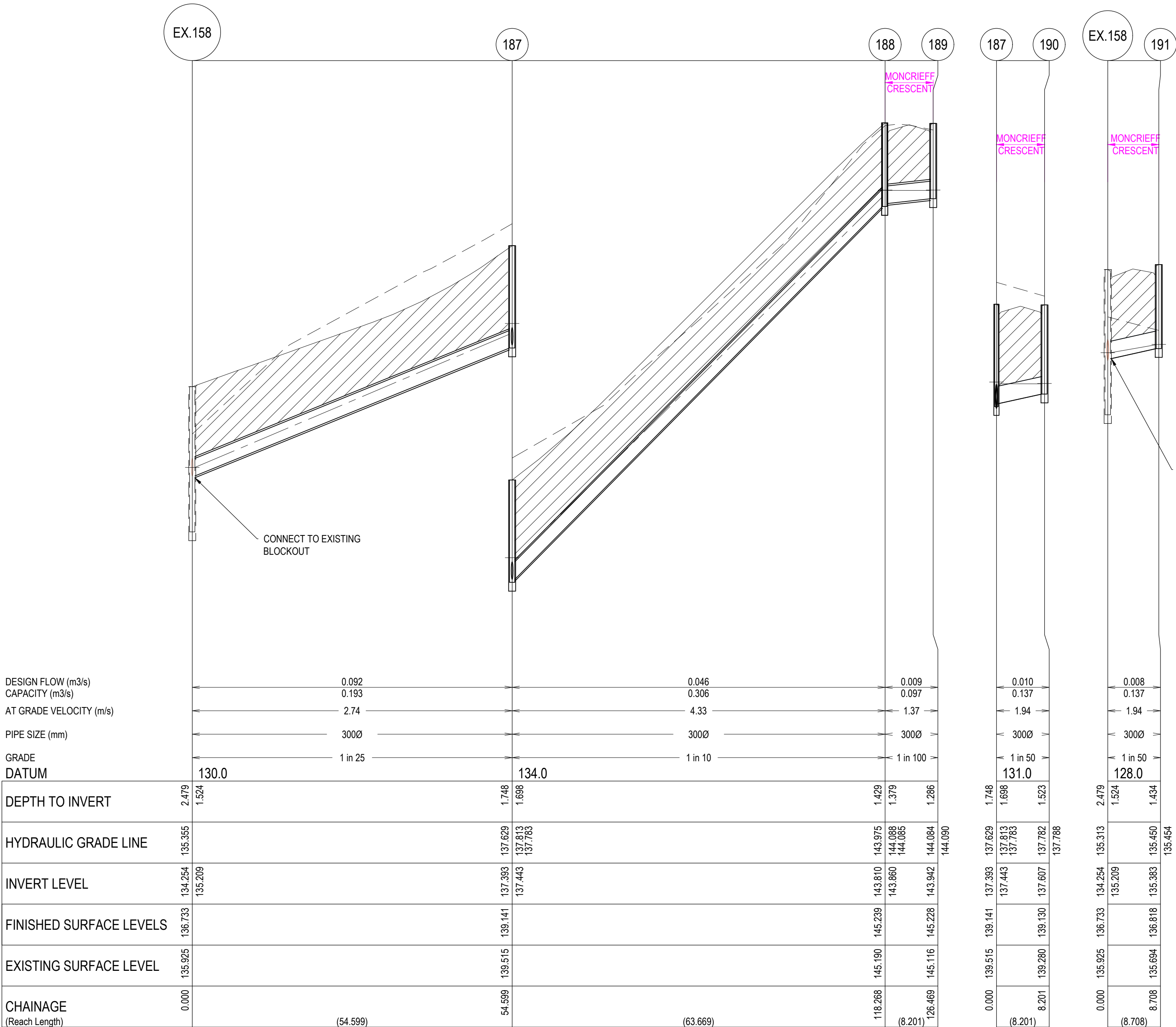
STATUS
AS CONSTRUCTED

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	T.PALIOS	29/07/19
PROJECT No.	DRAWING No.	REVISION
180363.6	R502	1

WARNING
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SIGNED (CONSULTANT)

SIGNED (CONTRACTOR)

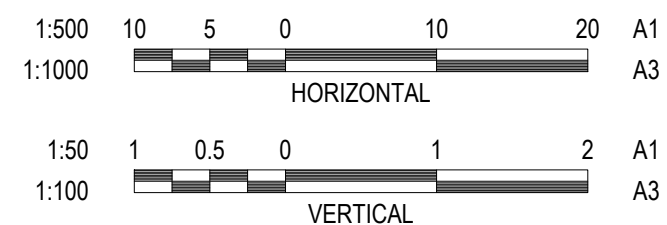


NOTES

- PIPE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED WITH 20mm NOM. SIZE CLASS 3 CRUSHED ROCK TO BE COMPACTED TO A DRY DENSITY NOT LESS THAN 98% MODIFIED RELATIVE COMPACTION IN 150mm THICK LAYER FOR THE FOLLOWING:
 - BENEATH DRIVEWAY CROSSOVERS TO THE UNDERSIDE OF THE PAVEMENT OR CROSSOVER.
 - ADJACENT TO KERBING OR CONCRETE WORKS TO A LEVEL THAT IS NOT AFFECTED BY A 45 DEGREE ANGLE OF REPOSE FROM NEAR THE LOWER EDGE.
- ALL PIPES UNDER ROADS SHALL BE BACKFILLED WITH 2% STABILISED SAND TO SPRINGLINE. ABOVE THIS POINT, PROVIDE 20mm NOMINAL SIZE CLASS 3 FINE CRUSHED ROCK (WETMIX) COMPACTED TO 98% MODIFIED COMPACTION IN 150mm MAXIMUM LAYER.
- ALL DRAINAGE PIPES TO BE SPIGOT-SOCKET RUBBER RING JOINTED (RRJ).
- ALL DRAINAGE PIPES SHALL BE CLASS 2 RCP, UNLESS OTHERWISE NOTED.
- WHERE PITS DROP LESS THAN 50mm, THE PIT FLOOR MUST BE SHAPED TO MATCH THE LOWER HALF OF THE PIPE.
- ALL SPLAYED SECTIONS OF PIPE ARE TO BE BACKFILLED WITH 2% STABILIZED SAND, 300mm ABOVE TOP OF PIPE.

REINFORCED CONCRETE PIPES




ALL STORMWATER DRAINAGE PIPES SHALL NOT BE SUBJECTED TO CONSTRUCTION TRAFFIC LOADING DURING CONSTRUCTION UNLESS THE PIPE STRENGTH CHARACTERISTICS HAVE BEEN COMPUTED AND APPROVED BY THE CONTRACTORS ENGINEER. COMPUTATIONS ARE TO ACCORD WITH AS.3725-1989, LOADS ON BURIED PIPES. CONCRETE PIPES DAMAGED DUE TO CONSTRUCTION LOADS SHALL BE REPAIRED AT THE CONTRACTORS COST.

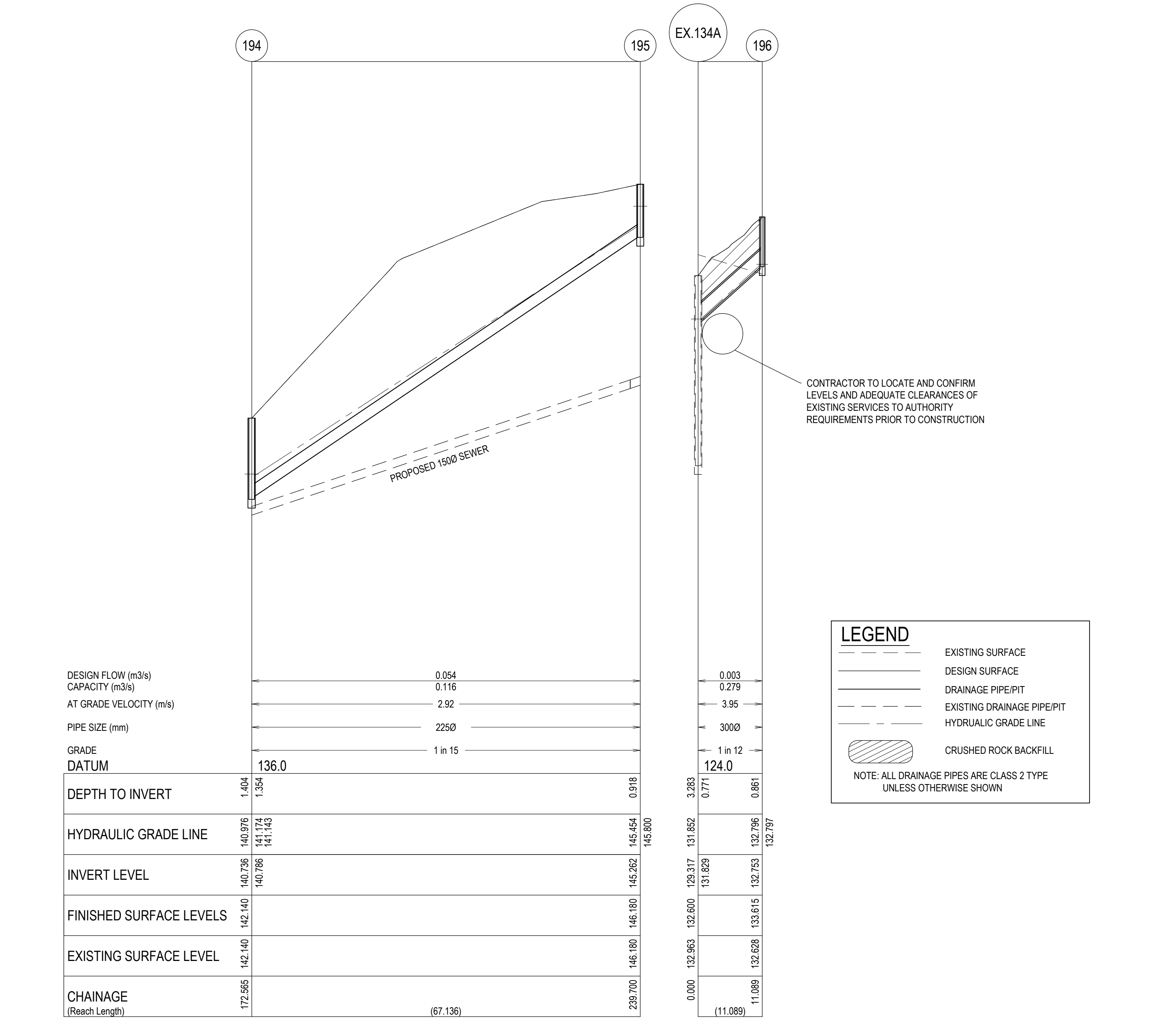


LEGEND

- EXISTING SURFACE
- DESIGN SURFACE
- DRAINAGE PIPE/PIT
- EXISTING DRAINAGE PIPE/PIT
- HYDRAULIC GRADE LINE
- CRUSHED ROCK BACKFILL

NOTE: ALL DRAINAGE PIPES ARE CLASS 2 TYPE UNLESS OTHERWISE SHOWN

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED	
						 Communities Designed for Living	 Level 7, 176 Wellington Parade East Melbourne, VIC, Australia 3002		WANDANA ESTATE - STAGE 6 DRAINAGE LONG SECTIONS - 1	AS CONSTRUCTED	AS SHOWN	C.ROHDE	C.ROHDE
					PROJECT ENGINEER						PROJECT MANAGER	DATE FIRST ISSUE	
					M.TROUNCE						T.PALIOS	29/07/19	
					PROJECT No.						DRAWING No.	REVISION	
					180363.6						R600	2	
2	07/05/20	AS CONSTRUCTED	C.R	M.T	T.P								
1	20/11/19	REVISED DRAINAGE TO ACCOMMODATE DRIVEWAY RELOCATION	C.R	M.T	T.P								
0	26/09/19	CONSTRUCTION ISSUE	C.R.	M.T.	T.P.								
B	06/09/19	AMENDMENTS AS PER COUNCIL COMMENTS	C.R.	M.T.	T.P.								
A	29/07/19	APPROVAL ISSUE	C.R.	M.T.	T.P.								



PIT SCHEDULE										
PIT NUMBER	TYPE	INTERNAL		INLET		OUTLET		COVER LEVEL (m)	DEPTH (m)	STANDARD DRAWING
		WIDTH (mm)	LENGTH (mm)	DIA. (mm)	INVERT RL (m)	DIA. (mm)	INVERT RL (m)			
Ex.158	Ex.SIDE ENTRY PIT	Ex.900	Ex.900	300	135.209	Ex.300	134.254	136.733	2.479	-
187	SIDE ENTRY PIT	600	900	300	137.443	300	137.393	139.141	1.748	IDM SD 430
188	SIDE ENTRY PIT	600	900	300	143.860	300	143.810	145.239	1.429	IDM SD 430
189	SIDE ENTRY PIT	600	900	300	137.443	300	143.942	145.228	1.286	IDM SD 430
190	SIDE ENTRY PIT	600	900	300	137.443	300	137.607	139.130	1.523	IDM SD 430
191	SIDE ENTRY PIT	600	900	300	135.383	300	136.818	136.818	1.434	IDM SD 430
Ex.138	Ex.SIDE ENTRY PIT	Ex.900	Ex.900	300	128.450	Ex.525	128.400	129.516	1.066	-
192	JUNCTION PIT	600	900	300	131.329	300	131.279	132.334	1.055	IDM SD 425
193	JUNCTION PIT	600	900	300	135.473	300	135.423	136.988	1.564	IDM SD 425
194	JUNCTION PIT	600	900	225	140.786	300	140.736	142.140	1.404	IDM SD 425
195	JUNCTION PIT	600	900	225	145.262	225	145.262	146.180	0.918	IDM SD 425
Ex.134A	Ex.GRATED ENTRY PIT	Ex.900	Ex.900	300	131.829	Ex.300	129.317	132.600	3.283	-
196	GRATED ENTRY PIT	450	450	300	132.753	300	132.753	133.614	0.861	IDM SD 495

NOTE:
PIT COVERS ARE TO BE PROVIDED IN ACCORDANCE WITH CITY OF GREATER GEELONG DESIGN NOTE 13. ALL PITS WITHIN ROAD RESERVE ARE TO BE CLASS C FIBREGLASS REINFORCED PLASTIC (FRP) UNLESS AGREED OTHERWISE.

SIGNED (CONSULTANT)

SIGNED (CONTRACTOR)




- NOTES**
- PIPE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED WITH 20mm NOM. SIZE CLASS 3 CRUSHED ROCK TO BE COMPACTED TO A DRY DENSITY NOT LESS THAN 98% MODIFIED RELATIVE COMPACTION IN 150mm THICK LAYER FOR THE FOLLOWING:
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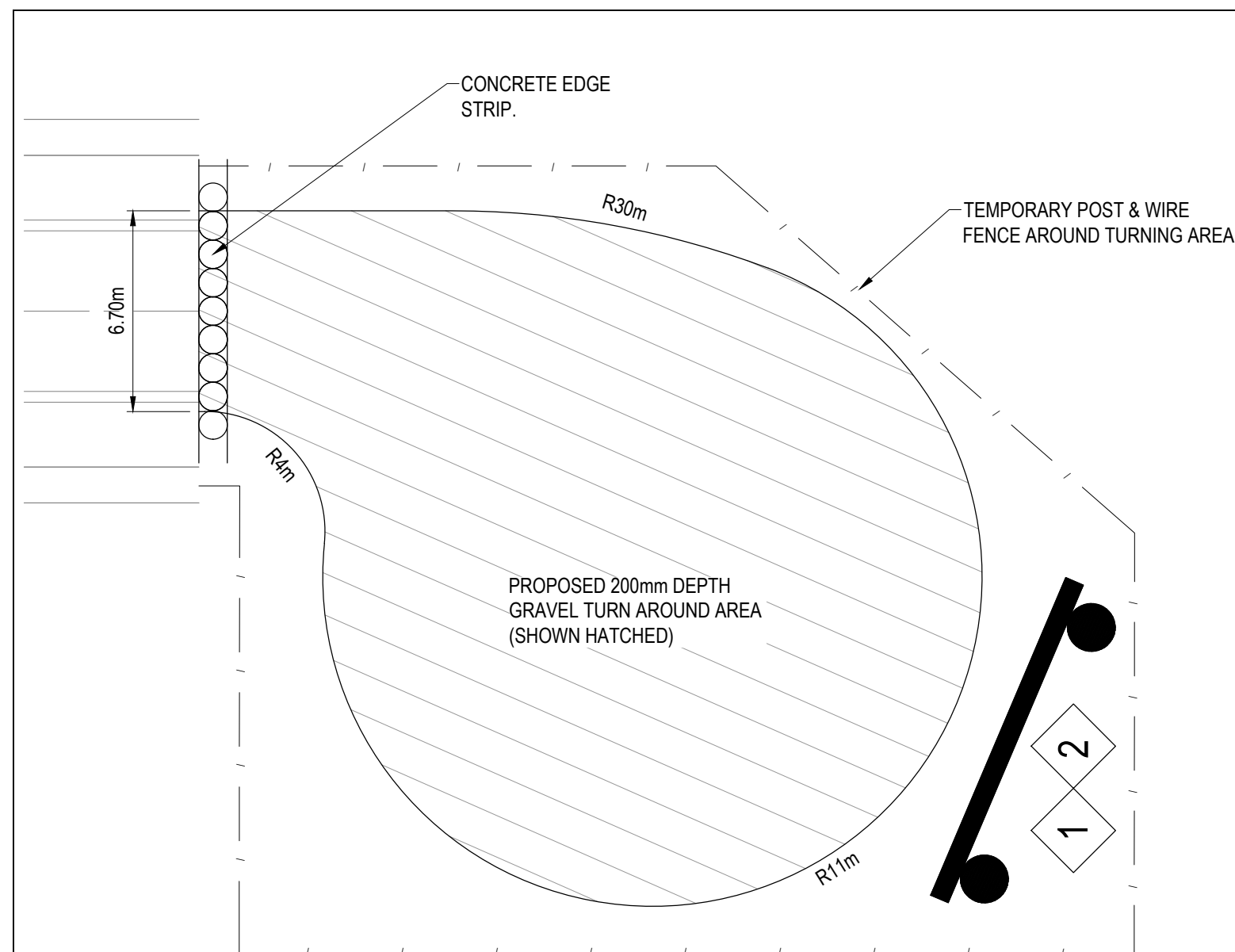
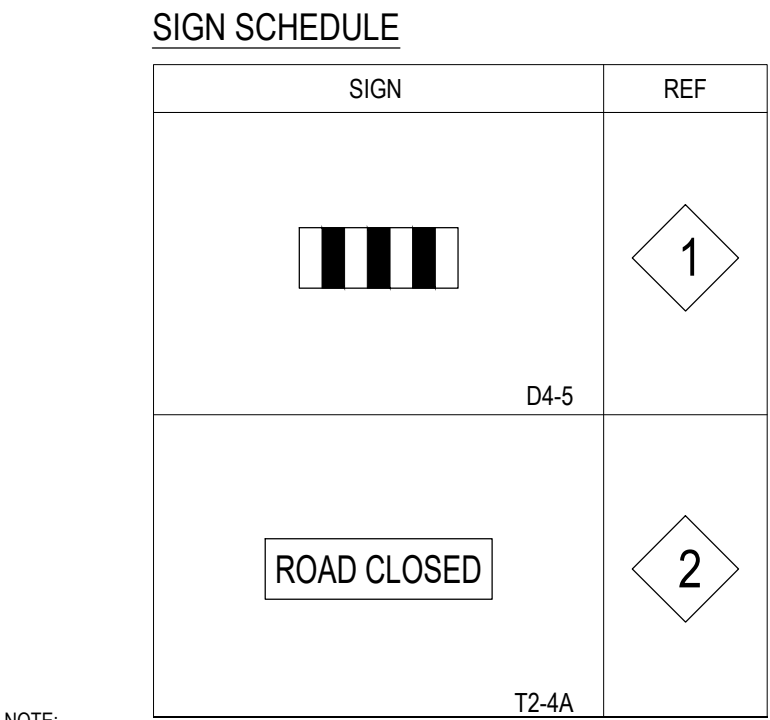
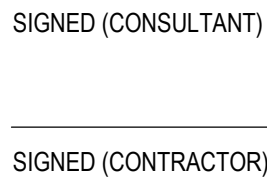
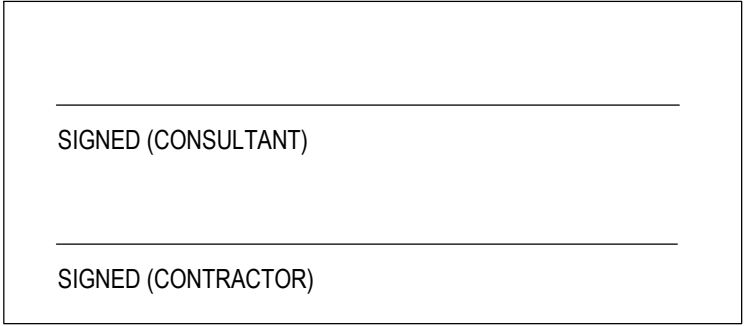
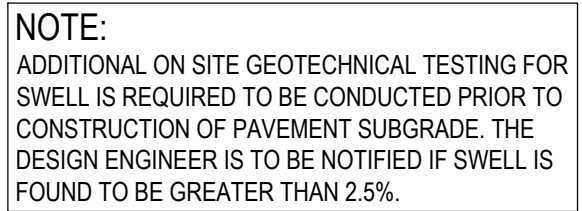
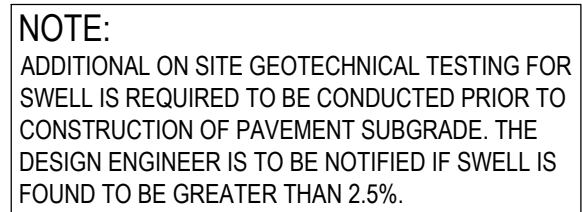
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										AS SHOWN	C.ROHDE	C.ROHDE
										PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
										M.TROUNCE	T.PALIOS	29/07/19
2	07/05/20	AS CONSTRUCTED	C.R	M.T	T.P							
1	20/11/19	REVISED DRAINAGE TO ACCOMMODATE DRIVEWAY RELOCATION	C.R	M.T	T.P							
0	26/09/19	CONSTRUCTION ISSUE	C.R	M.T	T.P							
B	06/09/19	AMENDMENTS AS PER COUNCIL COMMENTS	C.R	M.T	T.P							
A	29/07/19	APPROVAL ISSUE	C.R	M.T	T.P							

 Communities Designed for Living	 Level 7, 176 Wellington Parade East Melbourne, VIC, Australia 3002		WANDANA ESTATE - STAGE 6 DRAINAGE LONG SECTIONS - 2	AS CONSTRUCTED	SCALE AT A1 AS SHOWN PROJECT ENGINEER M.TROUNCE DRAWING No. 180363.6 DESIGNED C.ROHDE PROJECT MANAGER T.PALIOS DATE FIRST ISSUE 29/07/19 REVISION 2
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NOTE:
PRIOR TO FIXING TEMPORARY TURNING AND TIMBER BOLLARDS THE SIZE AND DIMENSION TO BE
CONFIRMED ON SITE TO THE SATISFACTION OF COUNCIL.

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
1	07/05/20	AS CONSTRUCTED	C.R.	M.T.	T.P.
0	26/09/19	CONSTRUCTION ISSUE	C.R.	M.T.	T.P.
B	06/09/19	AMENDMENTS AS PER COUNCIL COMMENTS	C.R.	M.T.	T.P.
A	29/07/19	APPROVAL ISSUE	C.R.	M.T.	T.P.

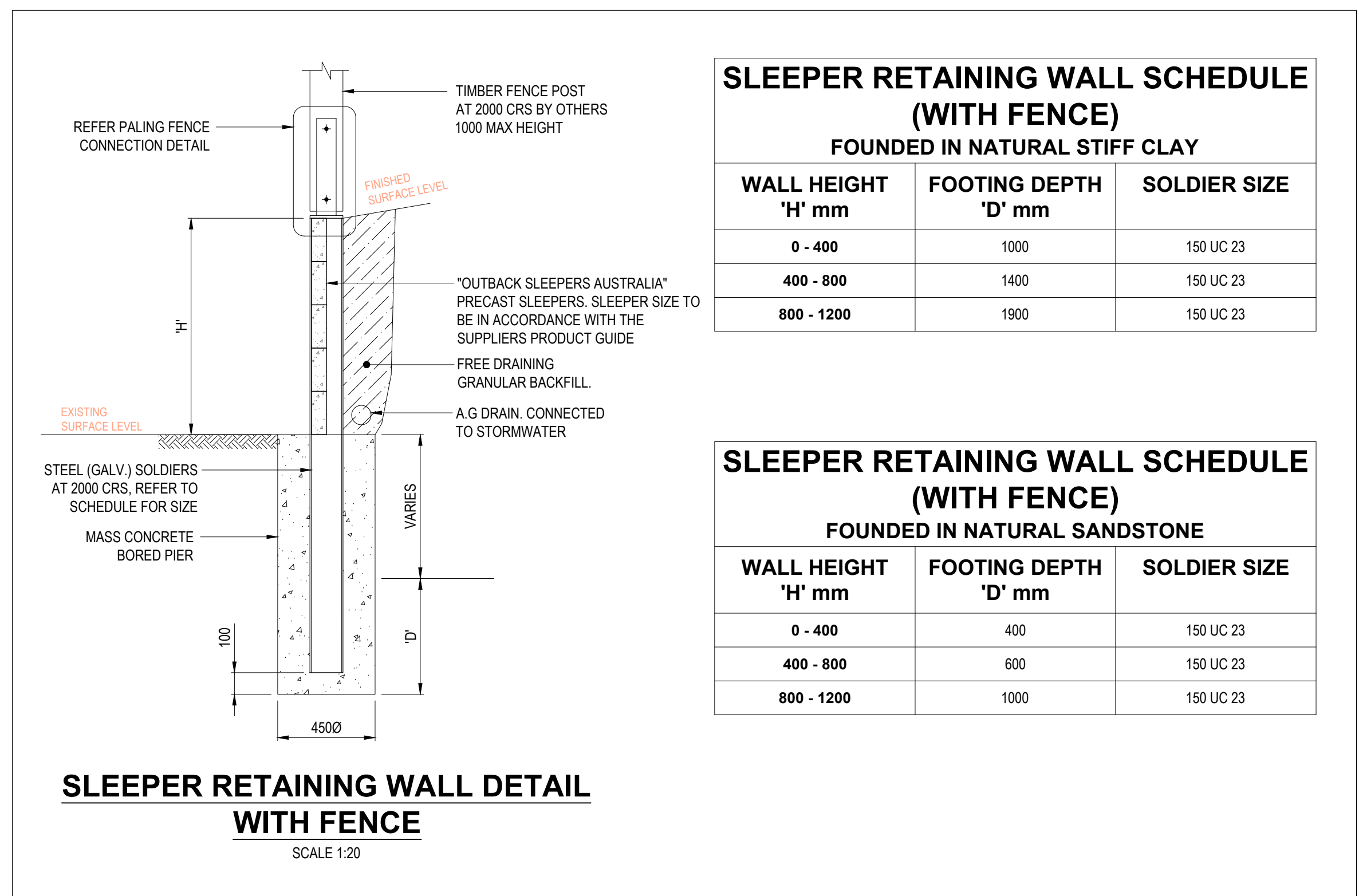
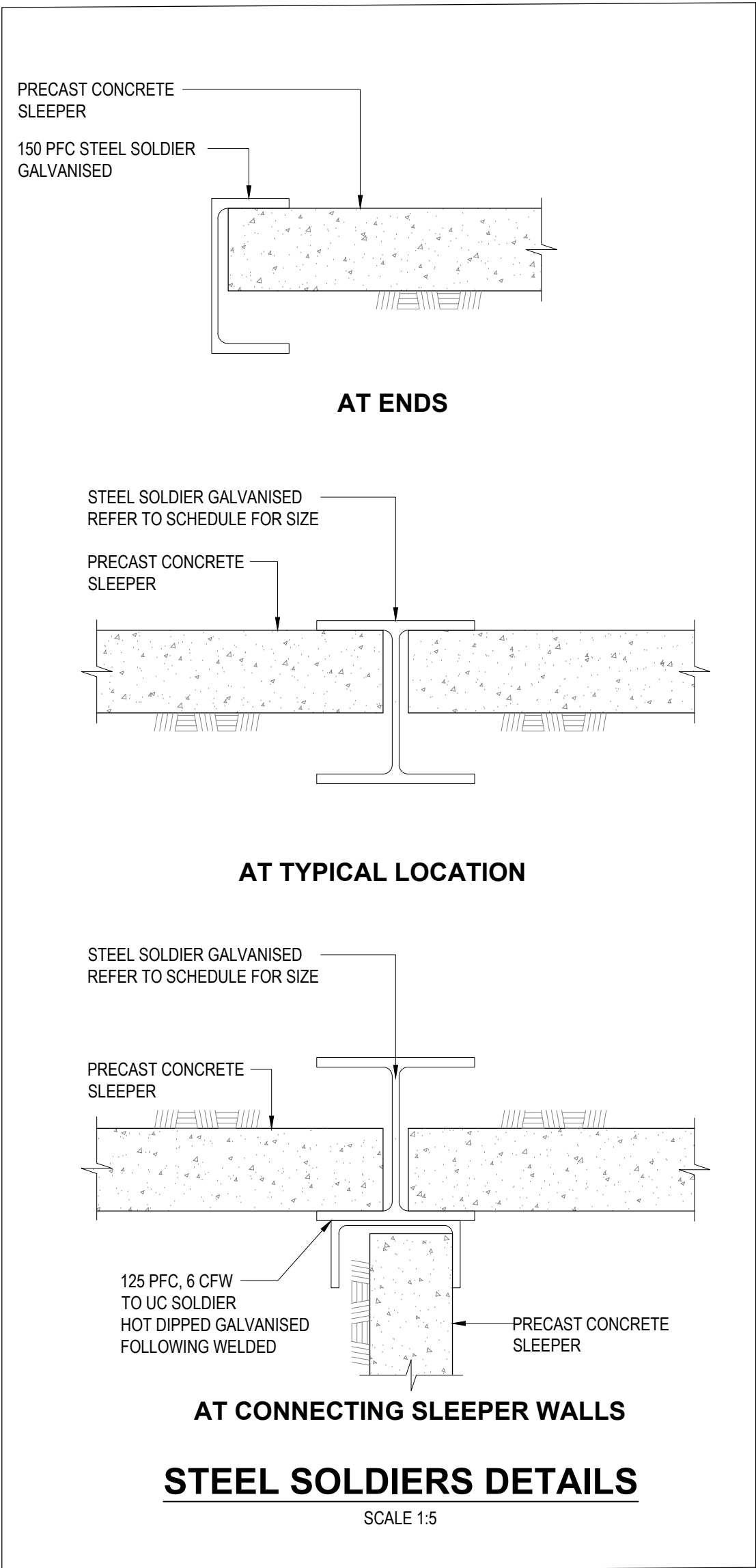
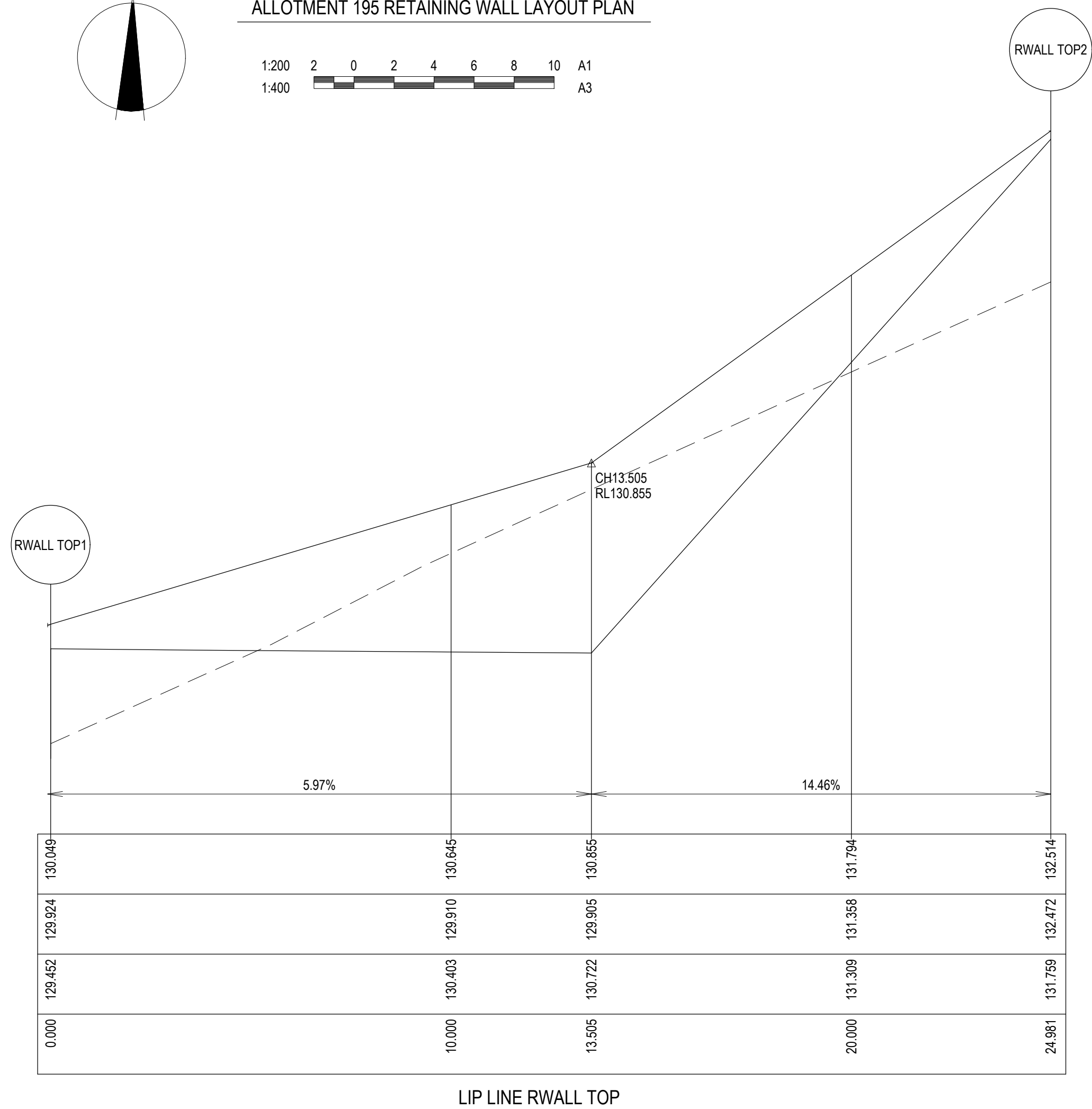


DRAWING TITLE

WANDANA ESTATE - STAGE 6
TYPICAL DETAILS

AS CONSTRUCTED

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	T.PALIOS	29/07/19
PROJECT No.	DRAWING No.	REVISION
180363.6	R700	1



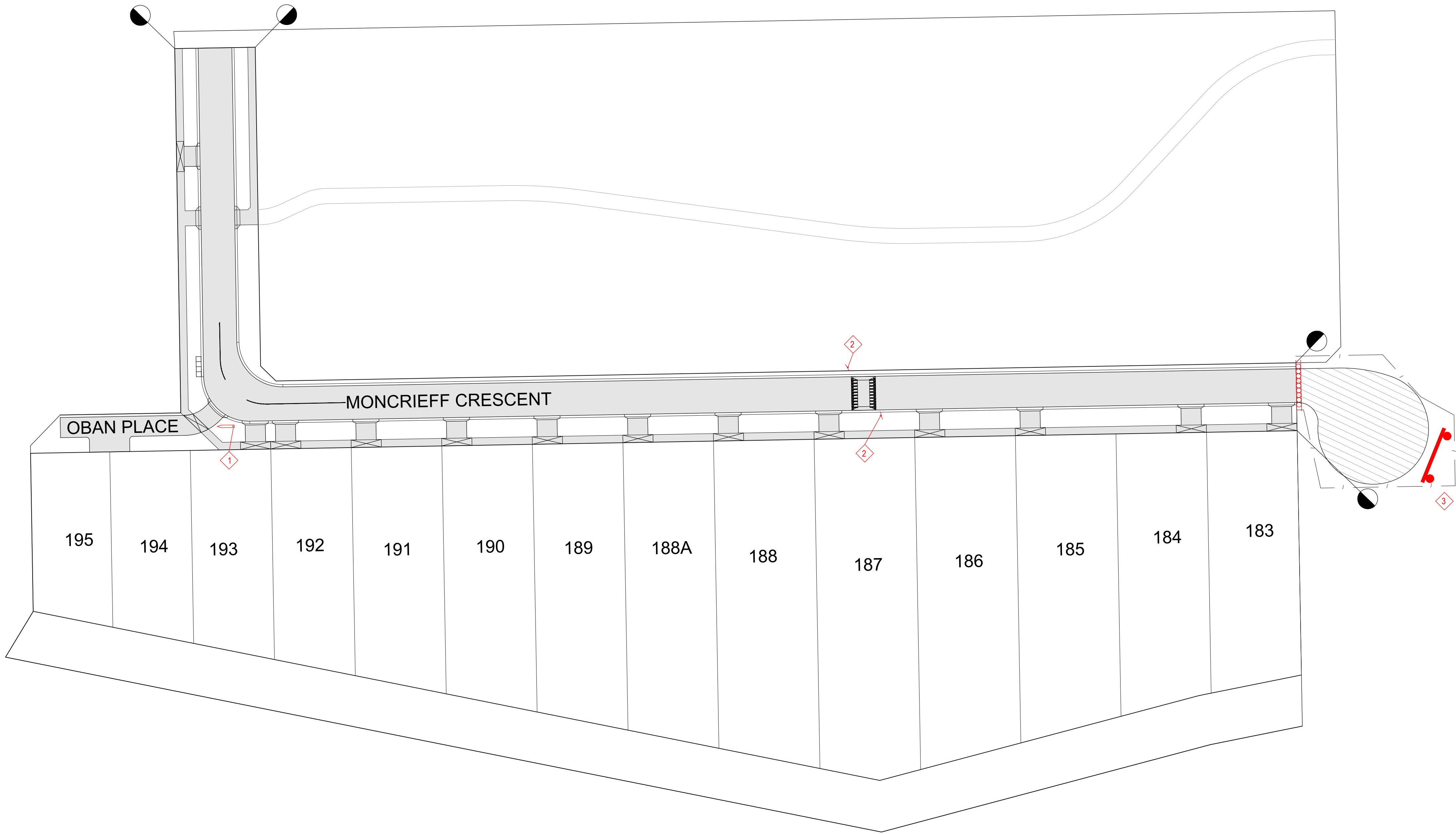
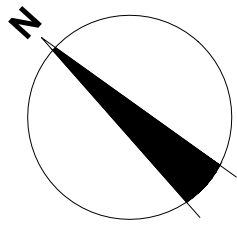
REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
2	07/05/20	AS CONSTRUCTED	C.R	M.T	T.P
1	15/01/20	ALTERED RETAINING WALL FOOTING DEPTH IN STIFF CLAY	C.R.	M.T.	T.P.
0	26/09/19	CONSTRUCTION ISSUE	C.R.	M.T.	T.P.
B	06/09/19	AMENDMENTS AS PER COUNCIL COMMENTS	C.R.	M.T.	T.P.
A	29/07/19	APPROVAL ISSUE	C.R.	M.T.	T.P.



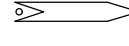
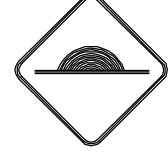

**WANDANA ESTATE - STAGE 6
RETAINING WALL DETAILS**

AS CONSTRUCTED

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
M.TROUNCE	T.PALIOS	29/07/19
PROJECT No.	DRAWING No.	REVISION
180363.6	R701	2



SIGN SCHEDULE

SIGN	REF	QUANTITY
 STREET SIGN	<div>1</div>	REFER TABLE
 W5-10A	<div>2</div>	2No.
<div>ROAD CLOSED</div> <div></div>	<div>T2-4A</div> <div>D4-5</div>	<div>3</div> <div>1No.</div>

STREET SIGN SCHEDULE

OBAN PLACE	1No.
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LINEMARKING & SIGNAGE NOTES:

1. ALL LINE MARKING AND SIGNAGE TO BE INSTALLED IN ACCORDANCE WITH AS 1742.1 AND AS 1742.2, UNLESS SPECIFICALLY SHOWN OTHERWISE.
2. LINEMARKING IS TO BE INSTALLED USING EXTRUDED LONG LIFE THERMOPLASTIC PAINT. TEMPORARY LINEMARKING USING ORDINARY PAINT IS TO BE APPLIED WHEN WEARING COURSE ASPHALT IS NOT APPLIED FOR A PERIOD OF TIME E.G. AT PRACTICAL COMPLETION.
3. ALL TEMPORARY WARNING SIGNS USED DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH AS 1742-3.
4. LINEMARKING SET OUT SHALL BE INSPECTED AND APPROVED BY COUNCIL BEFORE FINAL LINEMARKING IS CARRIED OUT.

SIGNED (CONSULTANT)

SIGNED (CONTRACTOR)



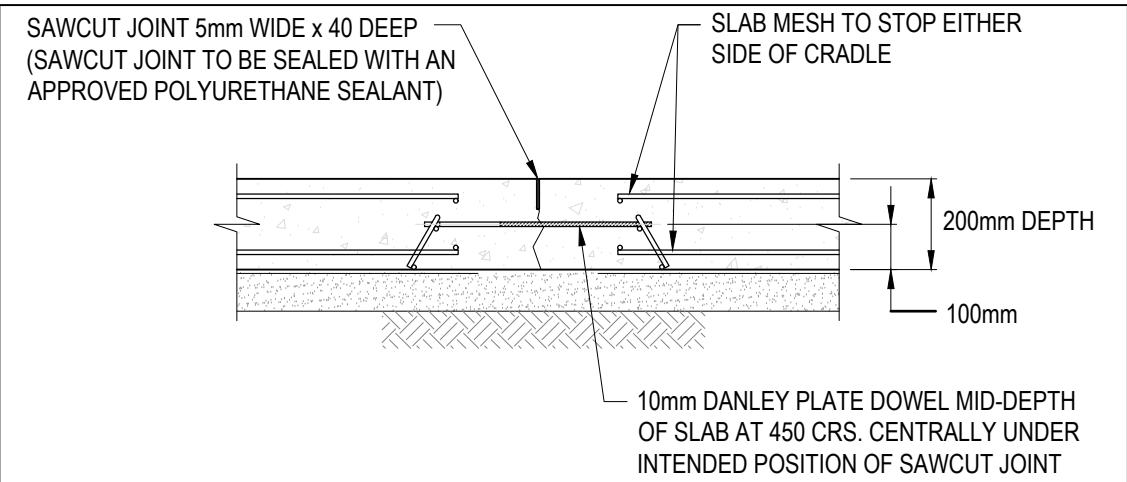
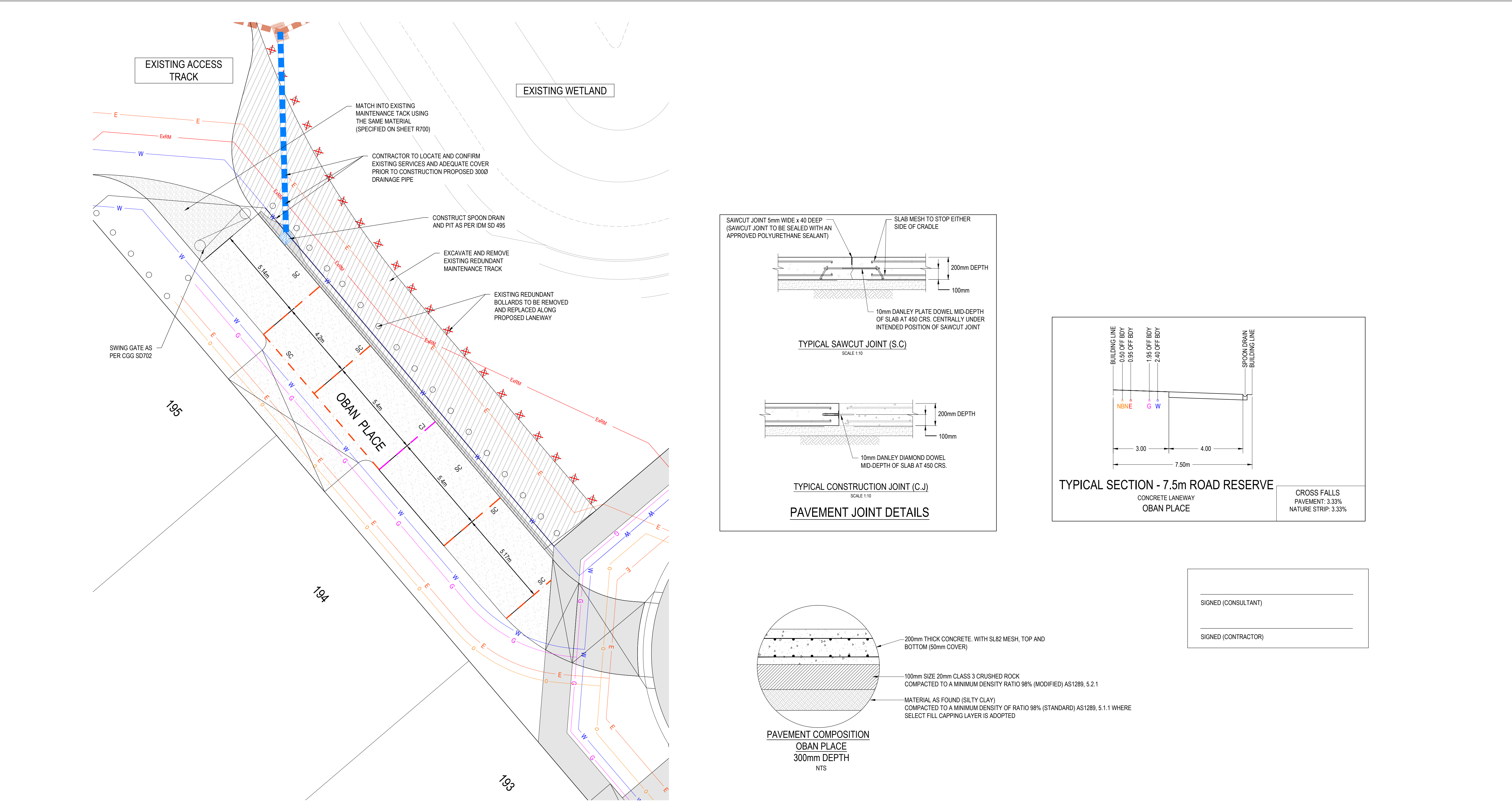
REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
1	07/05/20	AS CONSTRUCTED	C.R	M.T	T.P
0	26/09/19	CONSTRUCTION ISSUE	C.R.	M.T.	T.P.
B	06/09/19	AMENDMENTS AS PER COUNCIL COMMENTS	C.R.	M.T.	T.P.
A	29/07/19	APPROVAL ISSUE	C.R.	M.T.	T.P.



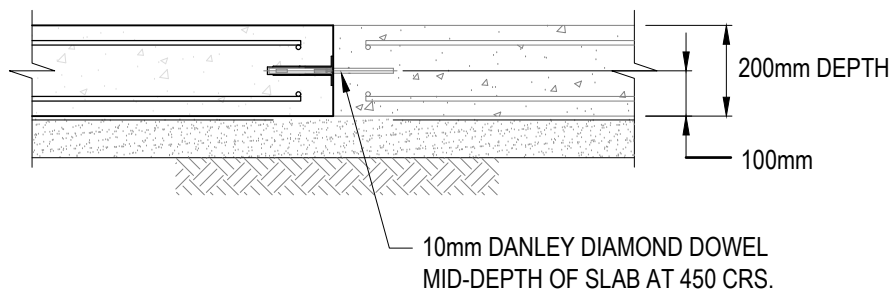
WANDANA ESTATE - STAGE 6
SIGNAGE AND LINEMARKING PLAN

AS CONSTRUCTED

SCALE AT A1 AS SHOWN	DRAWN C.ROHDE	DESIGNED C.ROHDE
PROJECT ENGINEER M.TROUNCE	PROJECT MANAGER T.PALIOS	DATE FIRST ISSUE 29/07/19
PROJECT No. 180363.6	DRAWING No. R800	REVISION 1

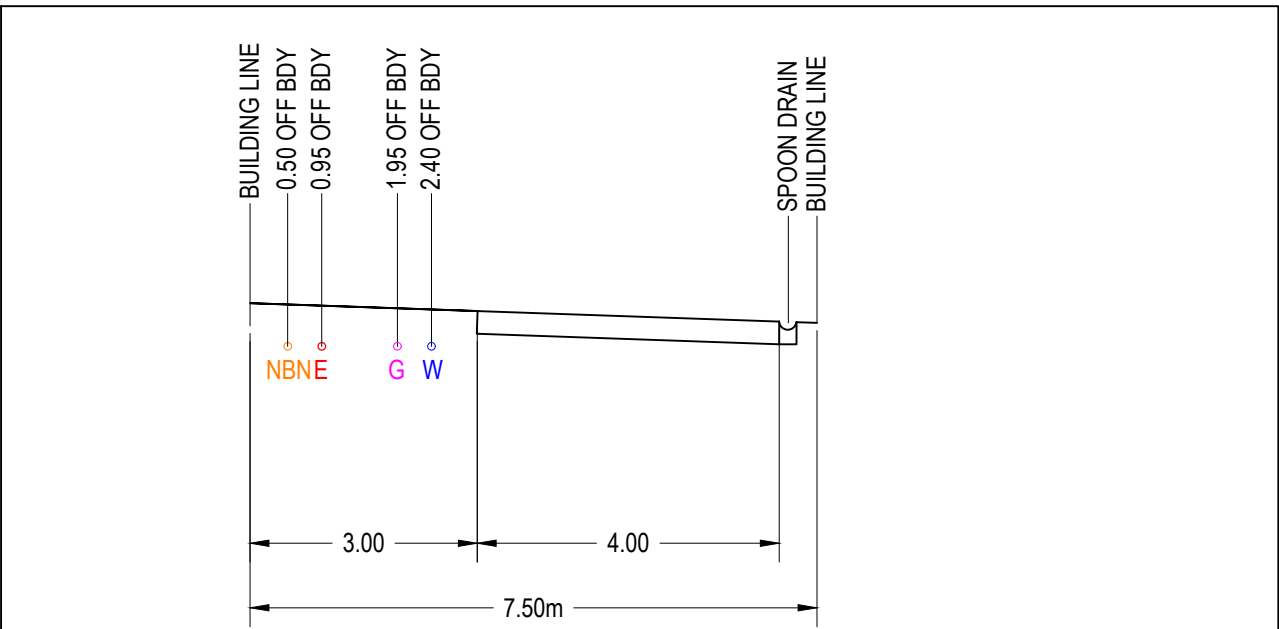


TYPICAL SAWCUT JOINT (S.C)
SCALE 1:10



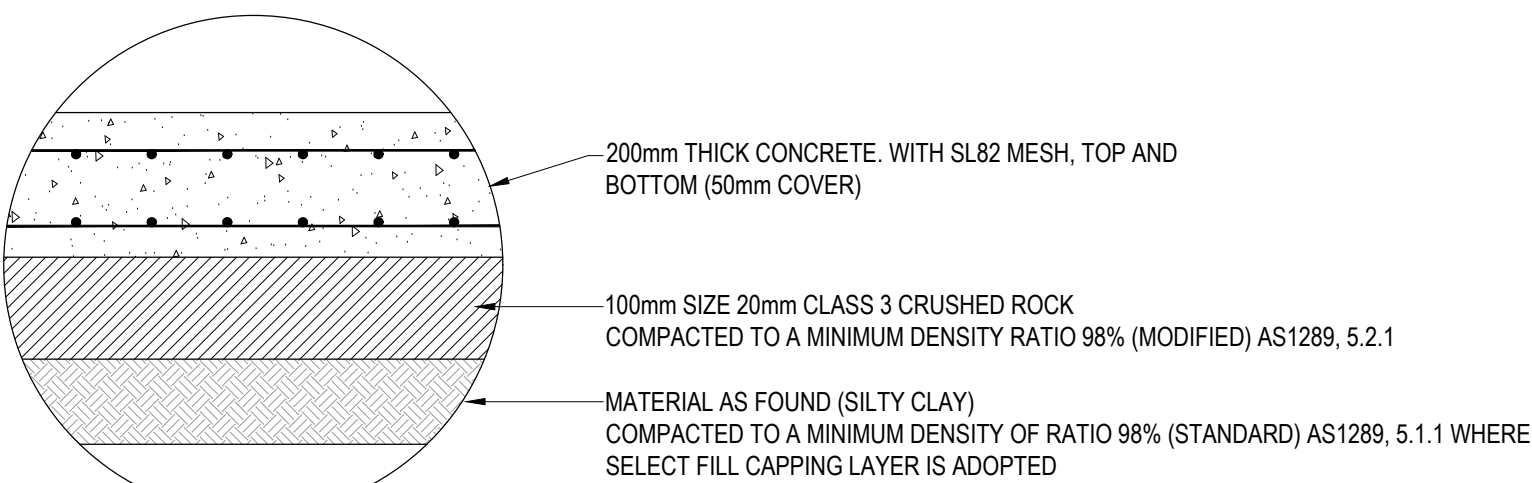
TYPICAL CONSTRUCTION JOINT (C.J)
SCALE 1:10

PAVEMENT JOINT DETAILS



TYPICAL SECTION - 7.5m ROAD RESERVE
CONCRETE LANEWAY
OBAN PLACE

CROSS FALLS
PAVEMENT: 3.33%
NATURE STRIP: 3.33%






PAVEMENT COMPOSITION
OBAN PLACE
300mm DEPTH
NTS

SIGNED (CONSULTANT)

SIGNED (CONTRACTOR)

WARNING
BEWARE OF UNDERGROUND & OVERHEAD SERVICES
The locations of underground & overhead services are approximate only & their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works
DIAL 1100 BEFORE YOU DIG
www.1100.com.au

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED
						 Communities Designed for Living	 Level 7, 176 Wellington Parade East Melbourne, VIC, Australia 3002		WANDANA ESTATE - STAGE 6 CONCRETE JOINTING PLAN	AS SHOWN	C.ROHDE	C.ROHDE
									AS CONSTRUCTED	PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
										M.TROUNCE	T.PALIOS	29/07/19
										PROJECT No.	DRAWING No.	REVISION
										180363.6	R900	4