

WANDANA ESTATE

STAGE 2B

CITY OF GREATER GEELONG

GENERAL NOTES:

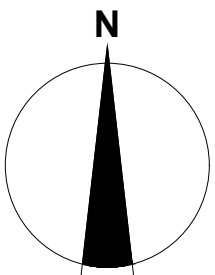
- THE WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT INFRASTRUCTURE DESIGN MANUAL STANDARD DRAWINGS AND GREATER GEELONG CITY COUNCIL STANDARD DRAWINGS AND SPECIFICATIONS. WORKS TO BE CARRIED OUT TO THE SATISFACTION OF COUNCIL'S SUPERVISING OFFICER.
- THE CONTRACTOR IS RESPONSIBLE FOR SAFETY 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 DRIVEWAYS, FOOTPATHS AND BEHIND KERB & CHANNEL, SHALL BE BACKFILLED WITH CRUSHED ROCK AS SPECIFIED.
- ALL PIPES UNDER ROADS AND PARKING BAYS SHALL BE BACKFILLED WITH 2% STABILIZED SAND TO SPRINGLINE. ABOVE THIS POINT, PROVIDE 20mm NOM. SIZE CLASS 3 FINE CRUSHED ROCK (WETMX) 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 GRASSED 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 PRACTICAL COMPLETION.



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	AC
R200	LAYOUT PLAN	AC
R300	INTERSECTION DETAIL PLAN - 1	AC
R301	INTERSECTION DETAIL PLAN - 2	AC
R302	INTERSECTION DETAIL PLAN - 3	AC
R400	LONGITUDINAL SECTIONS - 1	AC
R401	LONGITUDINAL SECTIONS - 2	AC
R500	ROAD CROSS SECTIONS - 1	AC
R501	ROAD CROSS SECTIONS - 2	AC
R502	ROAD CROSS SECTIONS - 3	AC
R503	ROAD CROSS SECTIONS - 4	AC
R504	ROAD CROSS SECTIONS - 5	AC
R505	ROAD CROSS SECTIONS - 6	AC
R600	DRAINAGE LONG SECTIONS - 1	AC
R601	DRAINAGE LONG SECTIONS - 2	AC
R602	DRAINAGE LONG SECTIONS - 3	AC
R603	DRAINAGE PIT SCHEDULE	AC
R700	TYPICAL DETAILS	AC
R701	RETAINING WALL DETAILS	AC
R800	SIGNAGE AND LINEMARKING	AC
R900	CONCRETE JOINTING PLAN	AC

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
AC	19/20/21	AS CONSTRUCTED	C.ROHDE	M.TROUNCE	T.PALIOS
7	09/12/20	PEDESTRIAN CROSSING ALTERED ARRANGEMENT	C.ROHDE	M.TROUNCE	T.PALIOS
6	18/09/20	LOT 134 CROSSOVER RELOCATION	M.TROUNCE	M.TROUNCE	T.PALIOS
5	23/07/20	GENERAL AMENDMENTS	C.ROHDE	M.TROUNCE	T.PALIOS
4	08/05/20	DRAINAGE ALIGNMENT 232 - 233 AMENDED	K.MCKELVIE	M.TROUNCE	T.PALIOS
3	17/04/20	LANEWAY NAME CHANGE AND GAS OFFSET CHANGE	C.ROHDE	M.TROUNCE	T.PALIOS
2	13/03/20	ALTERED DRAINAGE RUN 203 - 204	C.ROHDE	M.TROUNCE	T.PALIOS
1	04/03/20	ALTERED LOT 136 DRIVEWAY OFFSET	C.ROHDE	M.TROUNCE	T.PALIOS
0	18/02/20	CONSTRUCTION ISSUE	C.ROHDE	M.TROUNCE	T.PALIOS

CLIENT



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

PROJECT



DRAWING TITLE

**WANDANA ESTATE - STAGE 2B
COVER SHEET**

STATUS

AS CONSTRUCTED

SCALE AT A1

1:2000 @ A1

DRAWN

C.ROHDE

DESIGNED

C.ROHDE

PROJECT ENGINEER

A.WALE

PROJECT MANAGER

T.PALIOS

DATE FIRST ISSUE

16/08/19

PROJECT No.

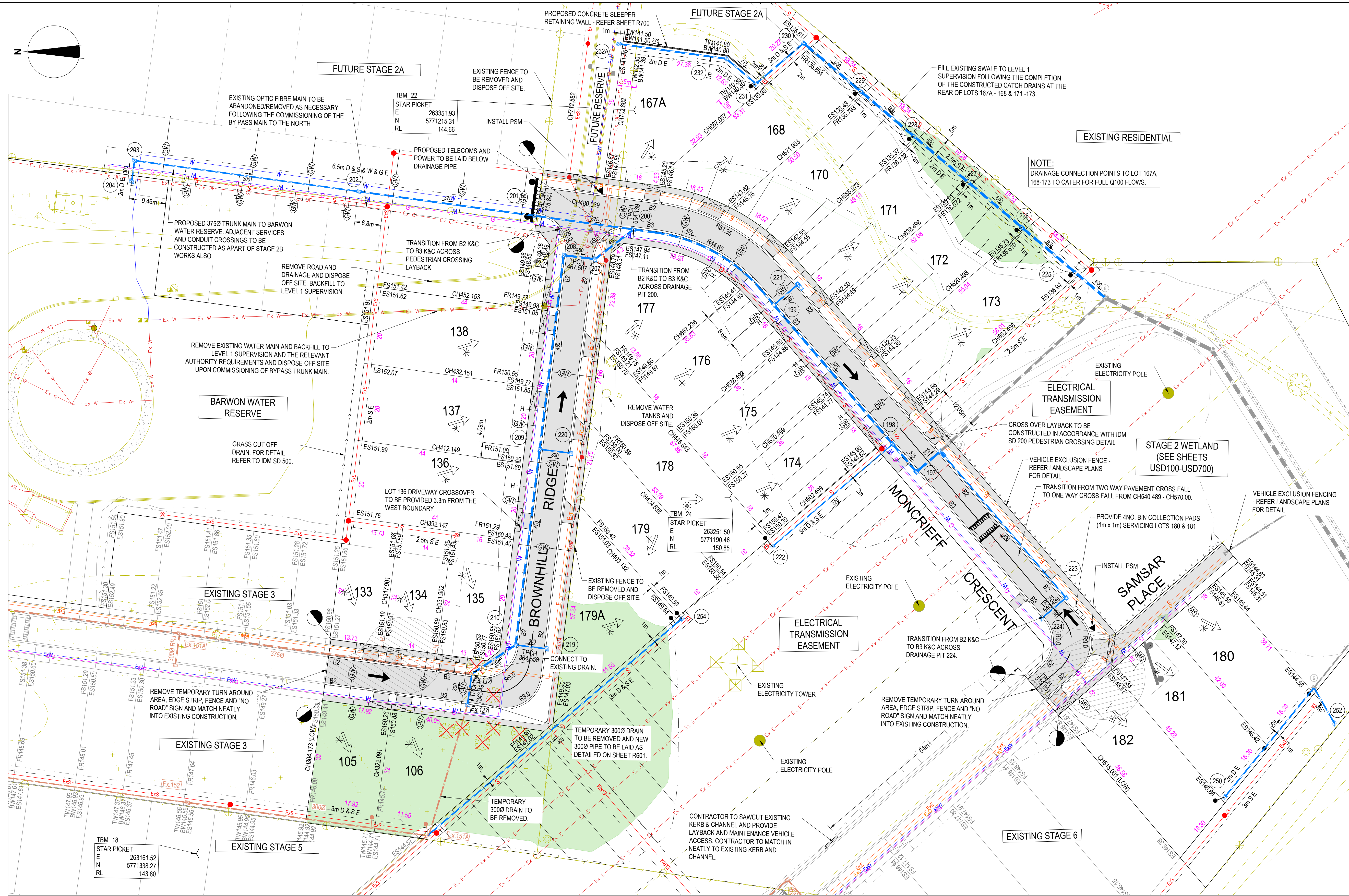
180363.2B

DRAWING No.

R100

REVISION

AC



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
- 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

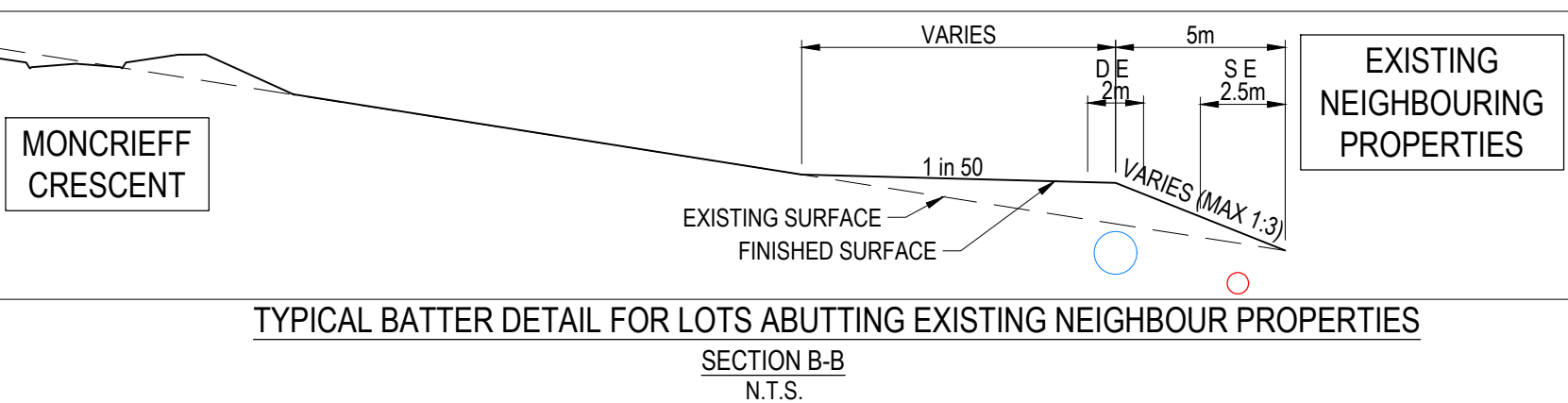
WARNING
BWARE OF UNDERGROUND & OVERHEAD SERVICES
The locations of underground & overhead services are approximate only & their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works.
DIAL 1100 BEFORE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




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

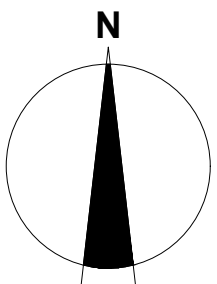
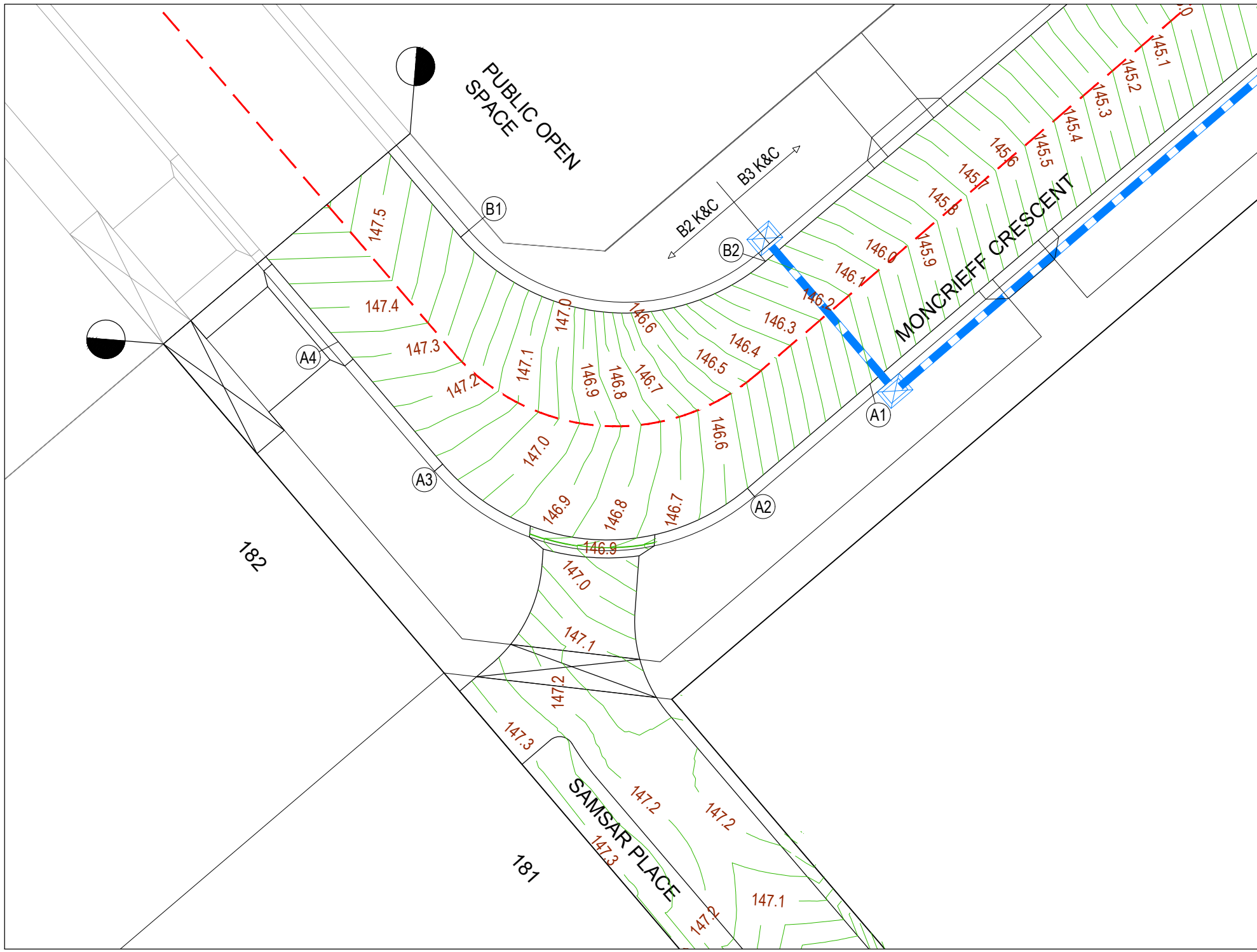
NOTE
REFER ENERGY SAFE VICTORIA FOR 'NO GO ZONES' AND SPECIFIC GUIDELINES FOR WORKING UNDER AND WITHIN CLOSE PROXIMITY TO OVERHEAD POWERLINES

SERVICES OFFSET SCHEDULE										
ROAD NAME	GAS		TRUNK WATER		WATER		OPTIC FIBRE		ELECTRICITY	
	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)
BROWNHILL RIDGE	NORTH/WEST	1.70	-	-	NORTH/WEST	2.10	SOUTH/EAST	1.80	SOUTH/EAST	2.40
MONCRIEFF CRESCENT	WEST	1.70	WEST	5.65	WEST	2.10	EAST	1.80	EAST	2.40
SAMSAR PLACE	SOUTH	1.00	-	-	SOUTH	1.60	SOUTH	2.70	SOUTH	3.60

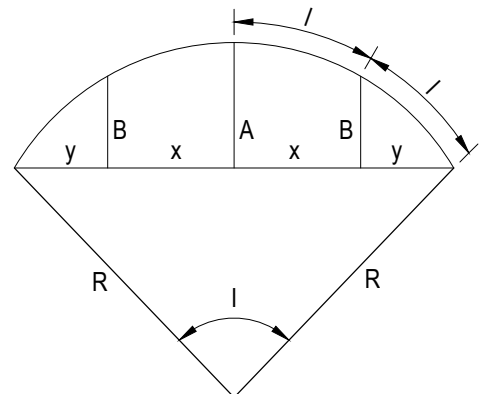
1. * DENOTES OFFSET FROM BACK OF KERB



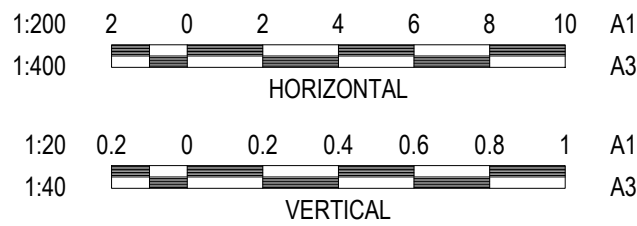
REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED			
AC	19/20/21	AS CONSTRUCTED	C.ROHDE	M.TROUNCE	T.PALIOS	 Communities Designed for Living	 Level 7, 176 Wellington Parade East Melbourne, VIC, Australia 3002	 Wandana Heights	WANDANA ESTATE - STAGE 2B LAYOUT PLAN	AS CONSTRUCTED	C.ROHDE	C.ROHDE			
6	09/12/20	PEDESTRIAN CROSSING ALTERED ARRANGEMENT	C.ROHDE	M.TROUNCE	T.PALIOS								PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
5	18/09/20	LOT 134 CROSSOVER RELOCATION	M.TROUNCE	M.TROUNCE	T.PALIOS										
4A	13/08/20	COUNCIL COMMENTS	M.TROUNCE	M.TROUNCE	T.PALIOS								PROJECT No.	DRAWING No.	REVISION
4	23/07/20	GENERAL AMENDMENTS	C.ROHDE	M.TROUNCE	T.PALIOS										
3	08/05/20	DRAINAGE ALIGNMENT 232 - 233 AMENDED	K.MCKELVIE	M.TROUNCE	T.PALIOS										
2	17/04/20	LANEWAY NAME CHANGE AND GAS OFFSET CHANGE	C.ROHDE	M.TROUNCE	T.PALIOS								180363.2B	R200	AC
1	04/03/20	ALTERED LOT 136 DRIVEWAY OFFSET	C.ROHDE	M.TROUNCE	T.PALIOS										
0	18/02/20	CONSTRUCTION ISSUE	C.ROHDE	M.TROUNCE	T.PALIOS										



LEGEND	
	EXISTING SURFACE
	DESIGN LINE

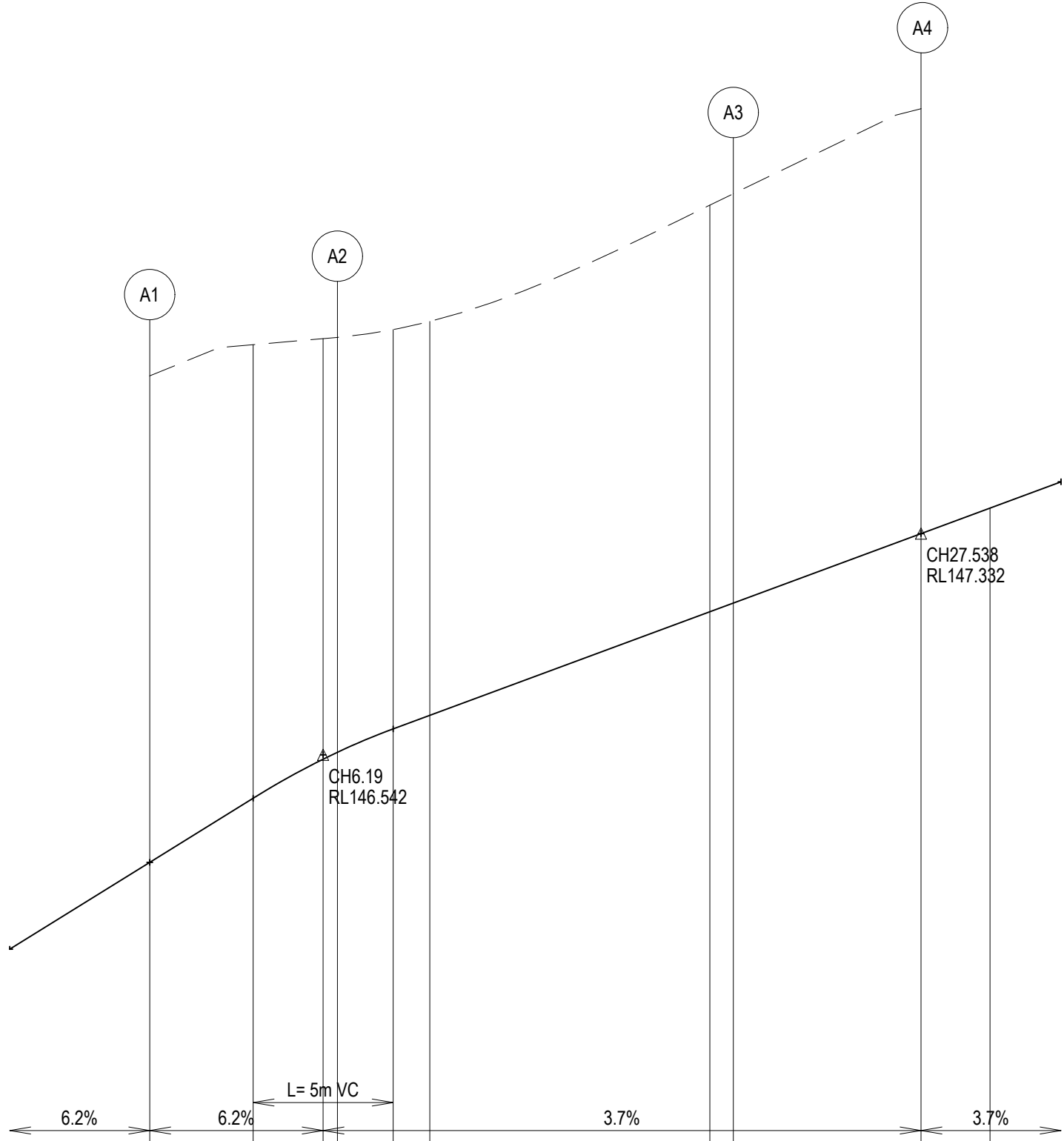


LIP PROFILE SETOUT



LEGEND - INTERSECTION PLAN	
	STORMWATER DRAIN, PIT & PROPERTY INLET
	SWALE DRAIN
	SEWER & MAINTENANCE STRUCTURES
	HOUSE DRAIN
	EXISTING SURFACE
	DESIGN LINE
	TACTILE PAVERS
	EXISTING HOUSE DRAIN
	RETAINING WALL
	PAVEMENT TREATMENT
	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
	INVERT/CROWN LINE

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



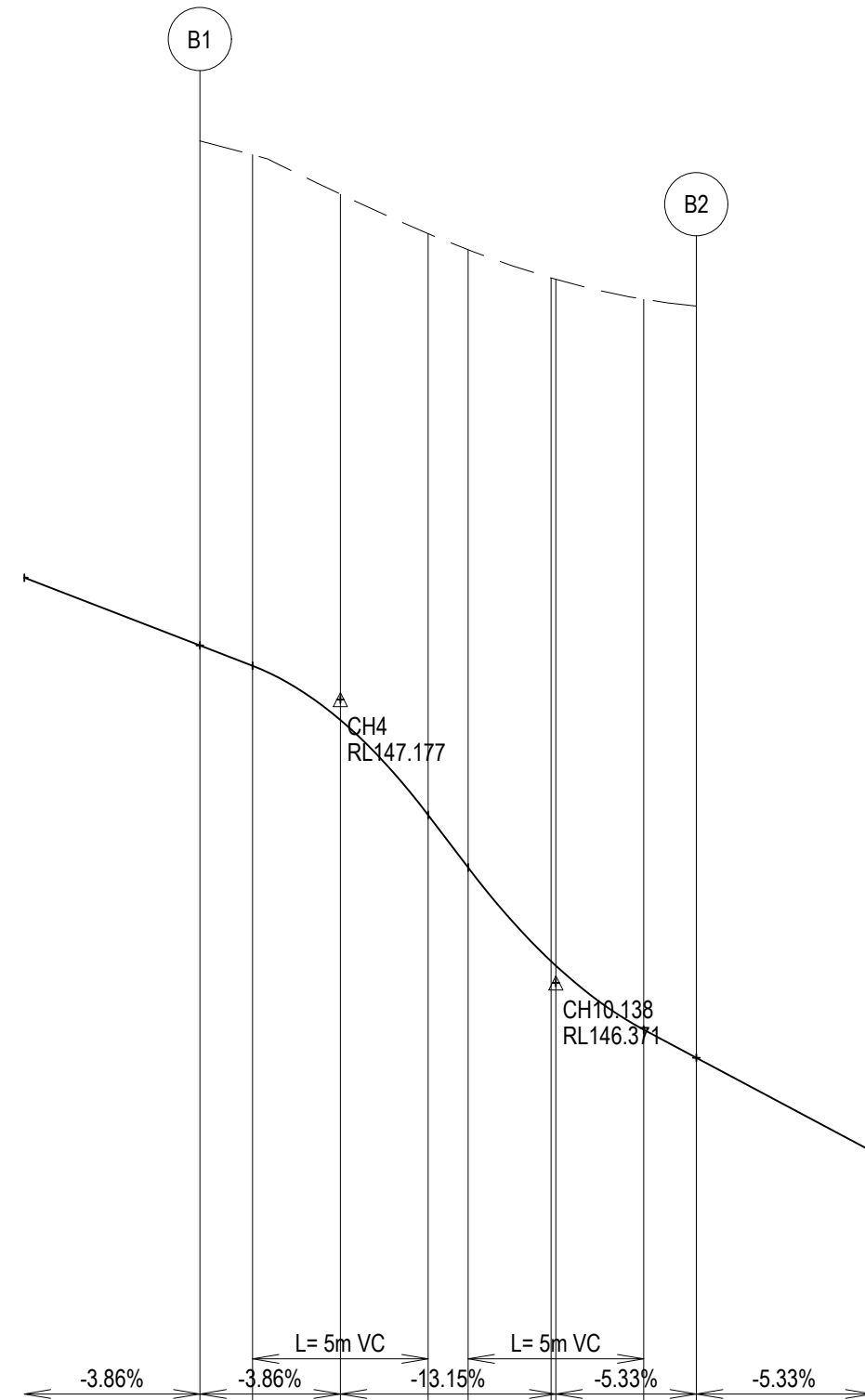
VERTICAL GEOMETRY
DATUM RL145
DESIGN LEVEL
EXISTING SURFACE
CHAINAGE

146.158	146.387	146.526	146.551	146.634	146.683	147.053	147.084	147.332	147.423
147.895	148.006	148.028	148.032	148.060	148.069	148.504	148.545	148.549	
0.000	3.690	6.190	6.700	8.690	10.000	20.000	20.838	27.538	30.000

Alignment A

Point no	Easting	Northing	RL
A1	263224.573	5771103.624	146.158
A2	263219.476	5771099.276	146.551
A3	263206.788	5771100.283	147.084
A4	263202.439	5771105.381	147.332

Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
A2 - A3	90.004	9.000	14.138	2.636	1.951	3.444	2.920	3.534	146.822



VERTICAL GEOMETRY
DATUM RL145
DESIGN LEVEL
EXISTING SURFACE
CHAINAGE

147.332	147.274	147.119	146.849	146.699	146.432	146.419	146.237	146.158
148.769	148.729	148.617	148.504	148.458	148.376	148.374	148.317	148.298
0.000	1.500	4.000	6.500	7.638	10.000	10.138	12.638	14.138

LIP LINE B

Alignment B

Point no	Easting	Northing	RL
B1	263207.536	5771109.730	147.332
B2	263220.225	5771108.723	146.158

Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
B1 - B2	90.003	9.000	14.138	2.636	1.951	3.444	2.920	3.534	146.774

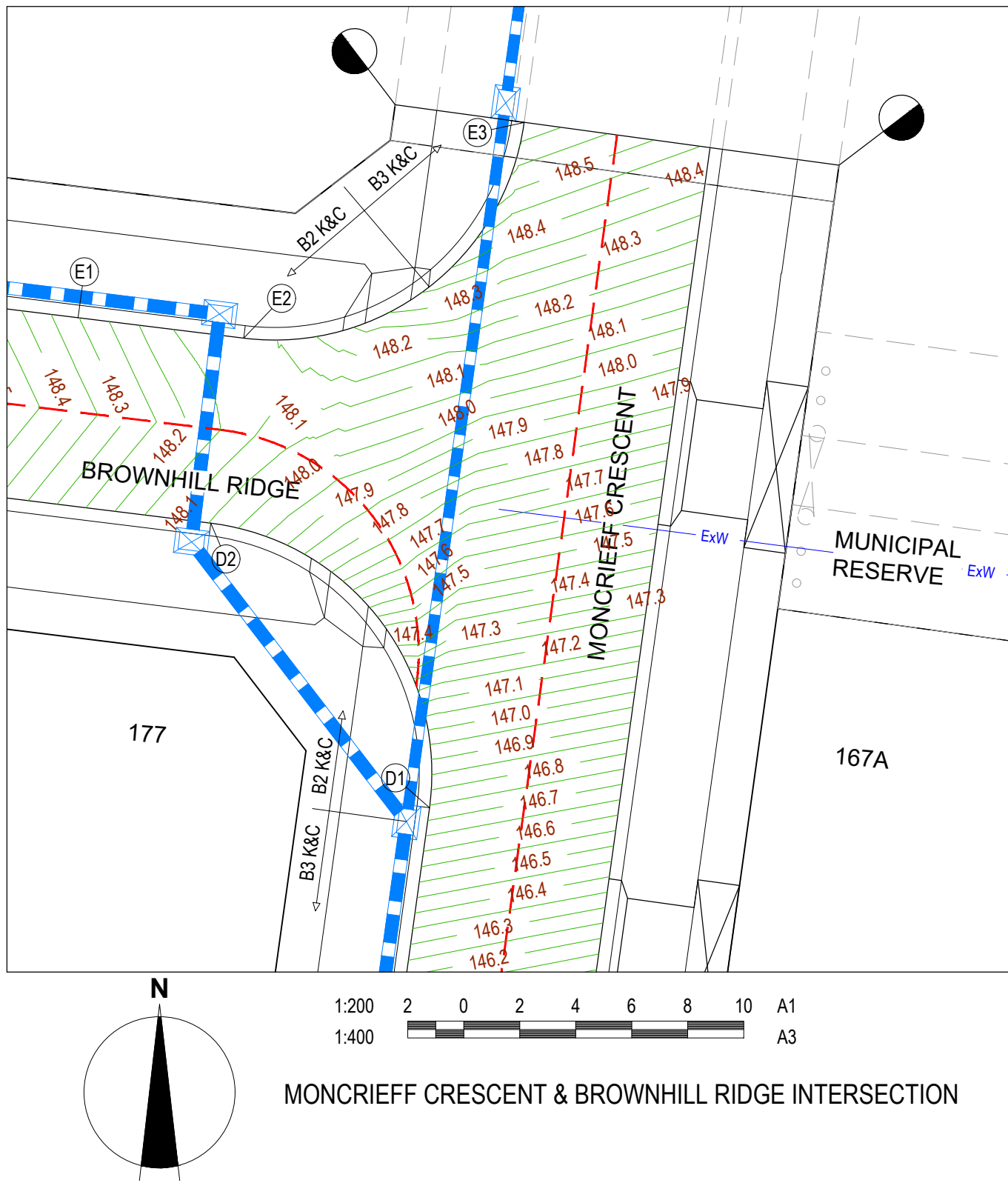
REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
AC	19/20/21	AS CONSTRUCTED	C.ROHDE	M.TROUNCE	T.PALIOS
1	17/04/20	LANEWAY NAME CHANGE	C.ROHDE	M.TROUNCE	T.PALIOS
0	18/02/20	CONSTRUCTION ISSUE	C.ROHDE	M.TROUNCE	T.PALIOS
C	19/12/19	AMENDED AS PER COUNCIL COMMENTS (17/12/19)	C.ROHDE	A.WALE	T.PALIOS
B	03/10/19	TENDER ISSUE	C.ROHDE	A.WALE	T.PALIOS
A	16/08/19	ISSUED FOR APPROVAL	C.ROHDE	A.WALE	T.PALIOS



DRAWING TITLE
**WANDANA ESTATE - STAGE 2B
INTERSECTION DETAIL PLAN - 1**

STATUS
AS CONSTRUCTED

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
A.WALE	T.PALIOS	16/08/19
PROJECT No.	DRAWING No.	REVISION
180363.2B	R300	AC

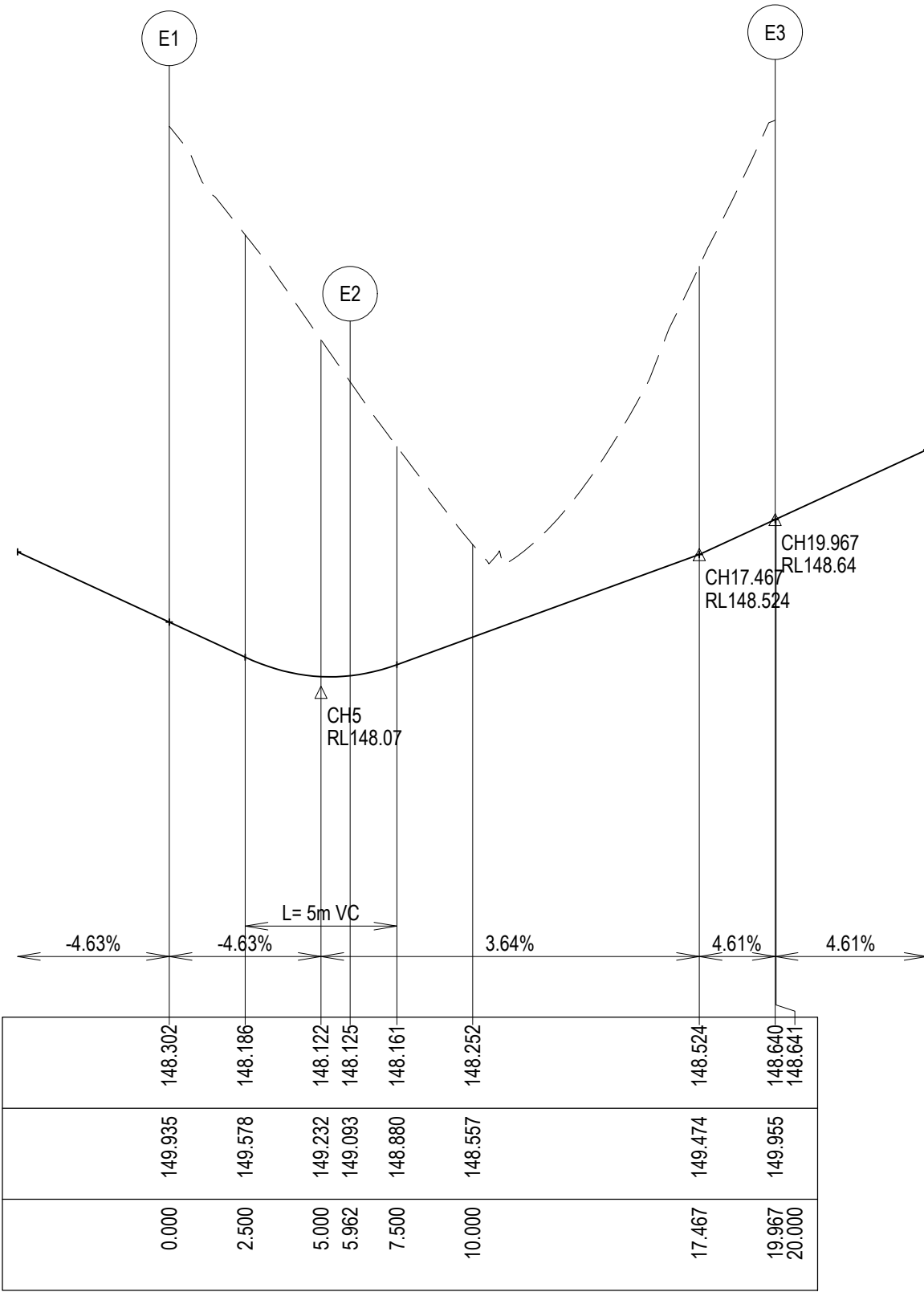


VERTICAL GEOMETRY
DATUM RL147

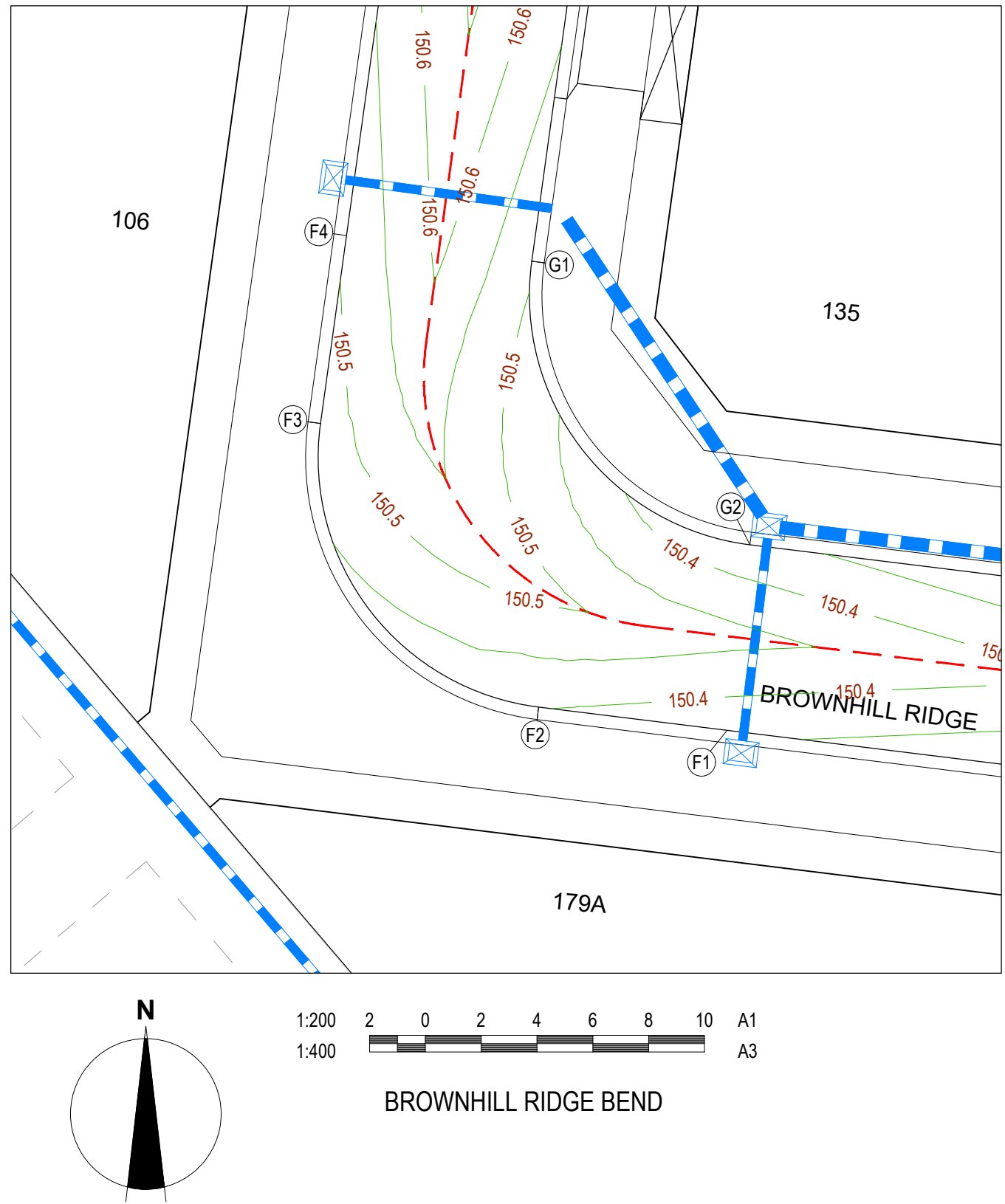
DESIGN LEVEL

EXISTING SURFACE

CHAINAGE



Alignment E									
Point no	Easting	Northing	RL						
E1	263309.284	5771233.320	148.302						
E2	263315.201	5771232.591	148.125						
E3	263325.217	5771240.291	148.640						
Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
E2 - E3	89.161	9.000	14.005	2.590	1.917	3.414	2.904	3.501	148.360

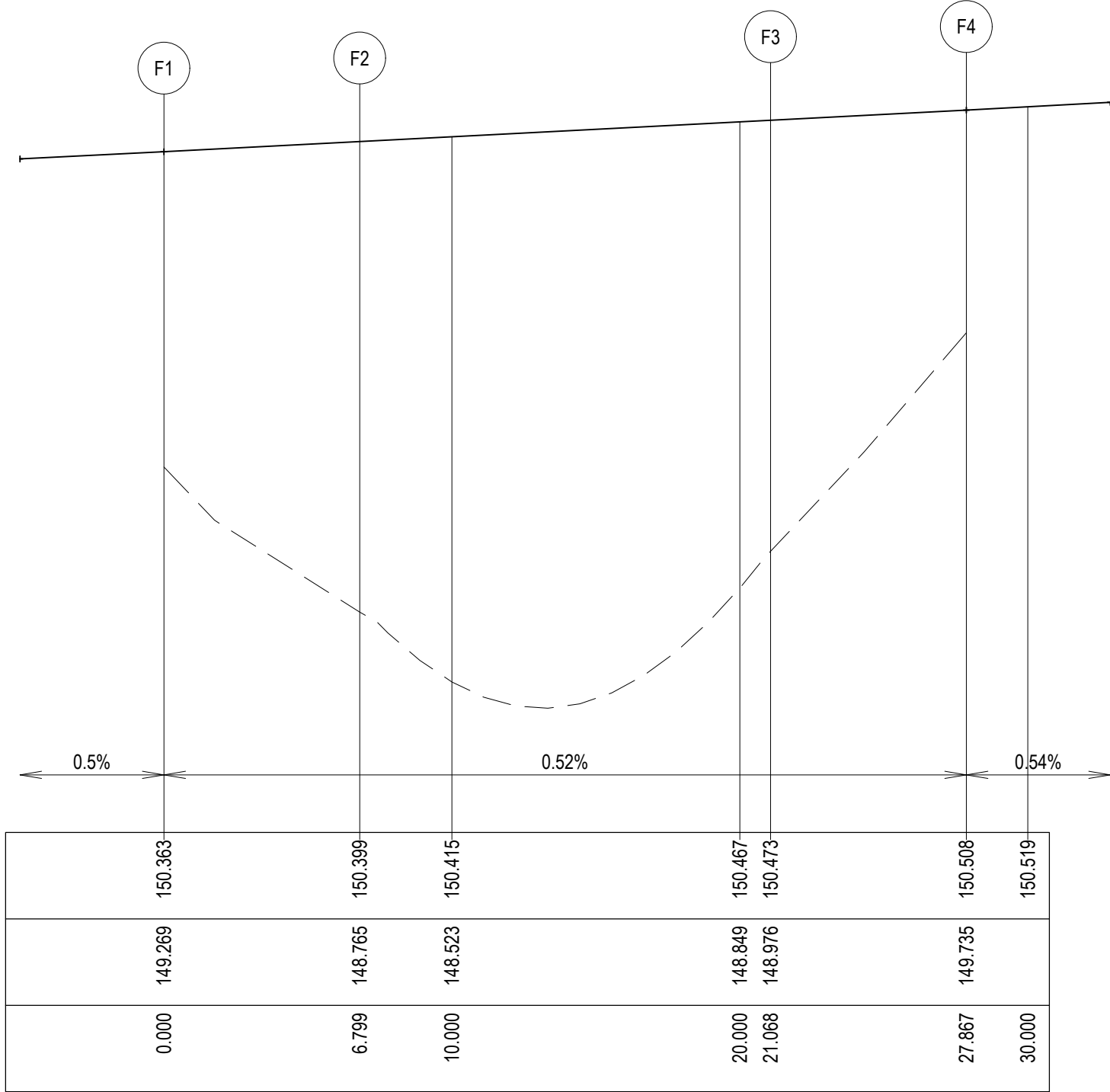


VERTICAL GEOMETRY
DATUM RL148

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE



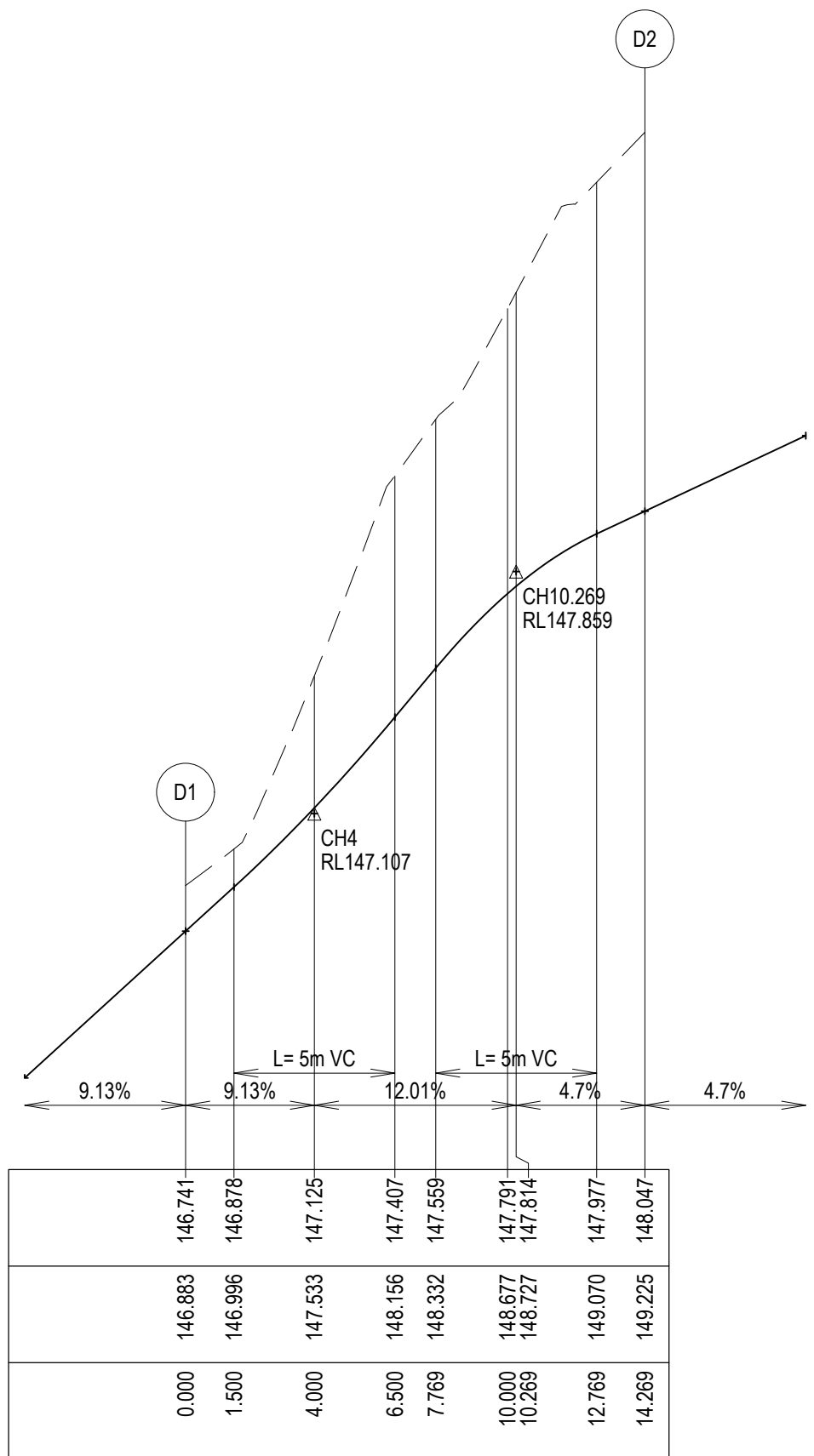
Alignment F									
Point no	Easting	Northing	RL						
F1	263211.846	5771238.581	150.363						
F2	263205.098	5771239.413	150.399						
F3	263197.284	5771249.577	150.473						
F4	263198.215	5771256.312	150.508						
Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
F2 - F3	90.839	9.000	14.269	2.683	1.985	3.475	2.936	3.567	150.436

VERTICAL GEOMETRY
DATUM RL146

DESIGN LEVEL

EXISTING SURFACE

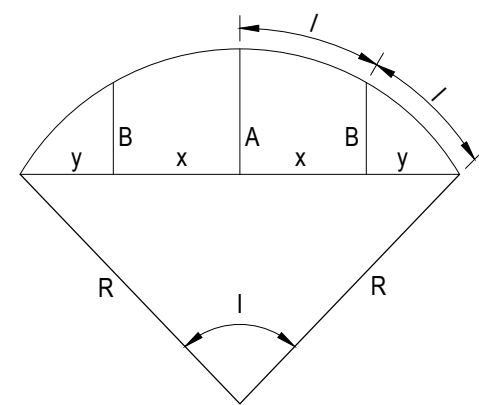
CHAINAGE



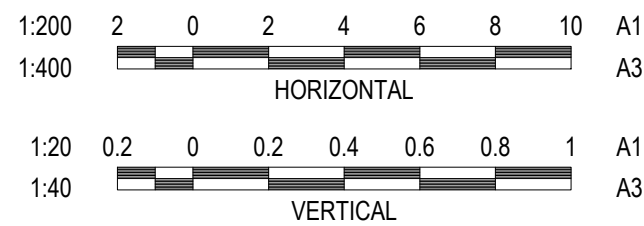
Alignment D									
Point no	Easting	Northing	RL						
D1	263321.836	5771215.821	146.741						
D2	263314.022	5771225.985	148.047						
Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
D1 - D2	90.839	9.000	14.269	2.683	1.985	3.475	2.936	3.567	147.483

LEGEND

--- EXISTING SURFACE
--- DESIGN LINE



LIP PROFILE SETOUT



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

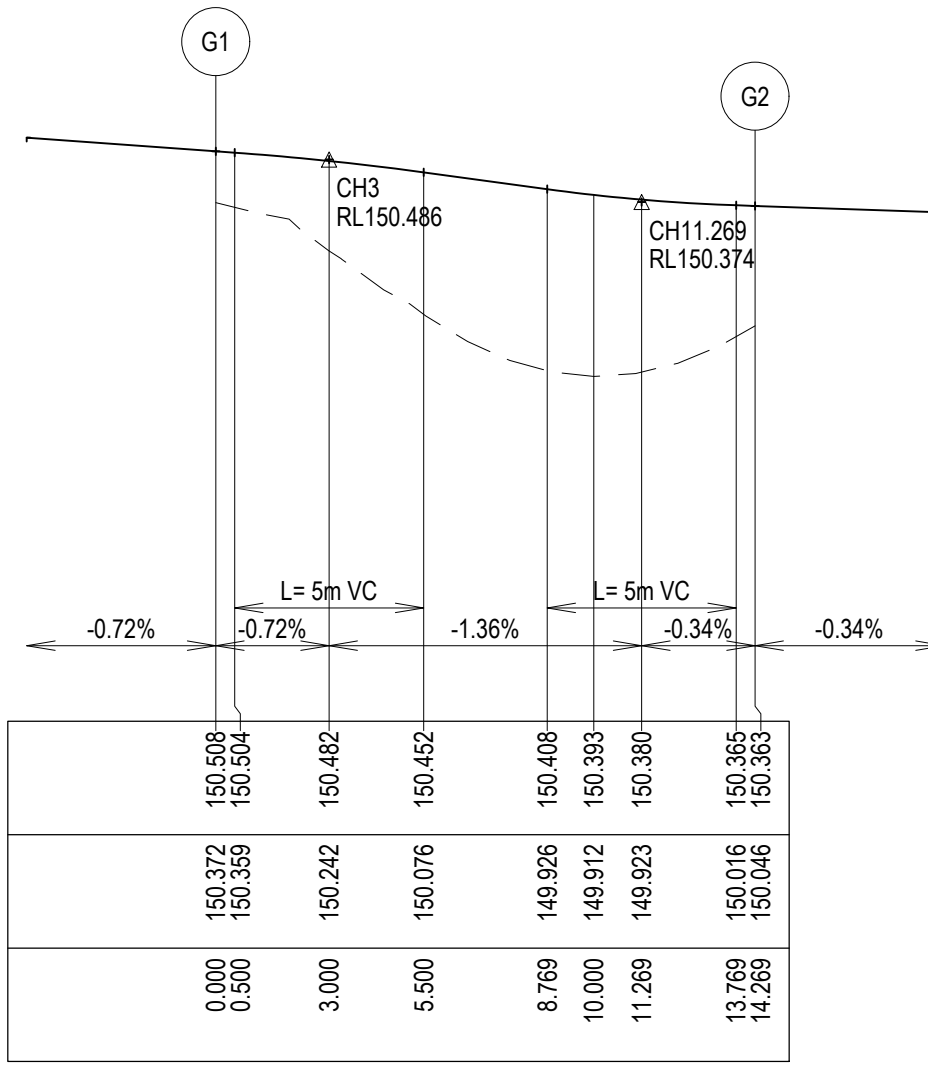
LEGEND - INTERSECTION PLAN	
	STORMWATER DRAIN, PIT & PROPERTY INLET
	SEWER & MAINTENANCE STRUCTURES
	HOUSE DRAIN
	TACTILE PAVERS
	EXISTING HOUSE DRAIN
	RETAINING WALL
	PAVEMENT TREATMENT
	CONCRETE EDGE STRIP WITH SUBSOIL DRAIN, 'NO ROAD' SIGN & BARRIER
	LIMIT OF WORKS
	EXISTING TREE TO BE REMOVED
	PERMANENT SURVEY MARK
	TEMPORARY BENCH MARK
	PROPOSED DRIVEWAY
	CROWN LINE

VERTICAL GEOMETRY
DATUM RL149

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE



Alignment G									
Point no	Easting	Northing	RL						
G1	263204.852	5771255.395	150.508						
G2	263212.666	5771245.231	150.363						
Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
G1 - G2	90.839	9.000	14.269	2.683	1.985	3.475	2.936	3.567	150.430

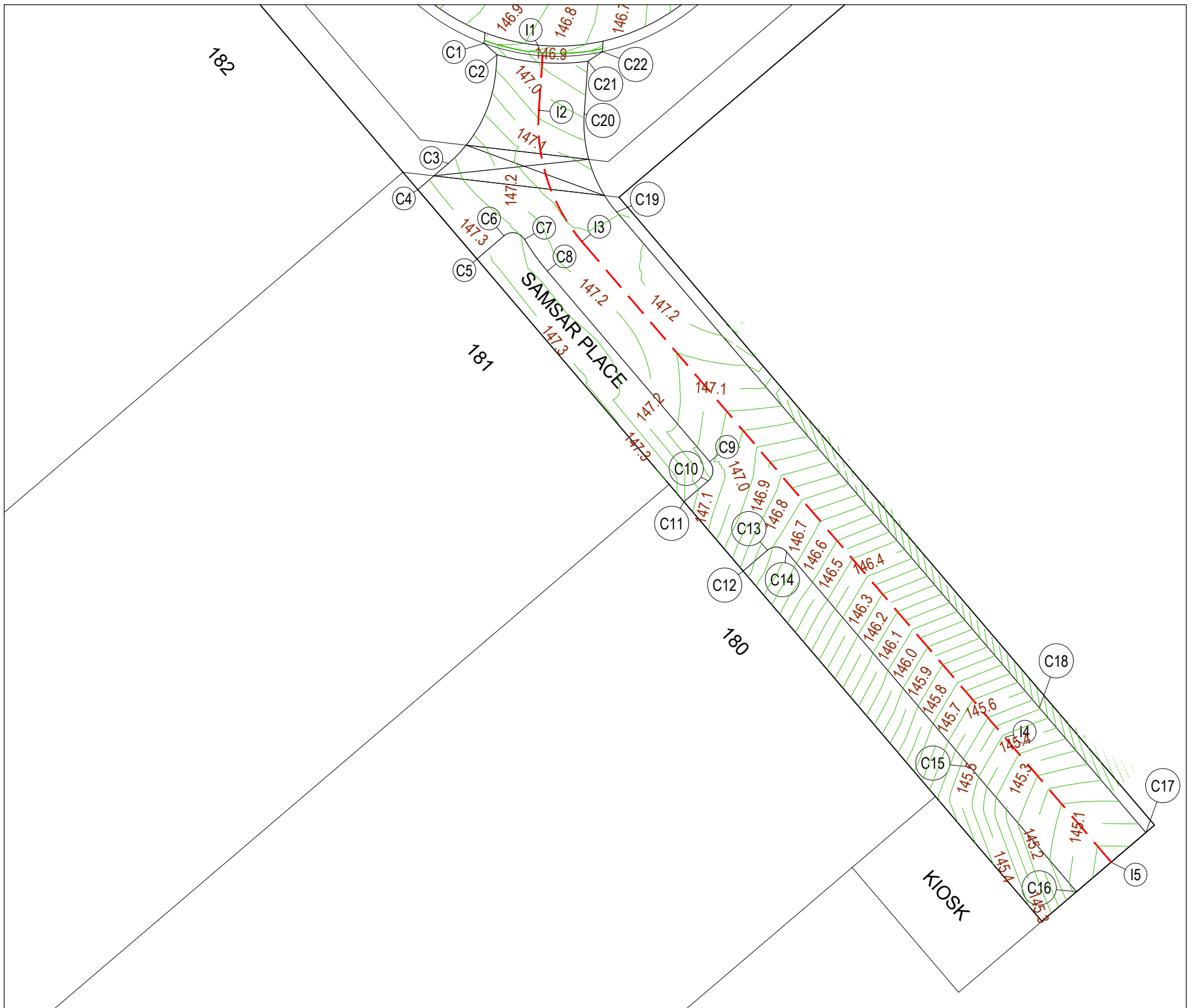
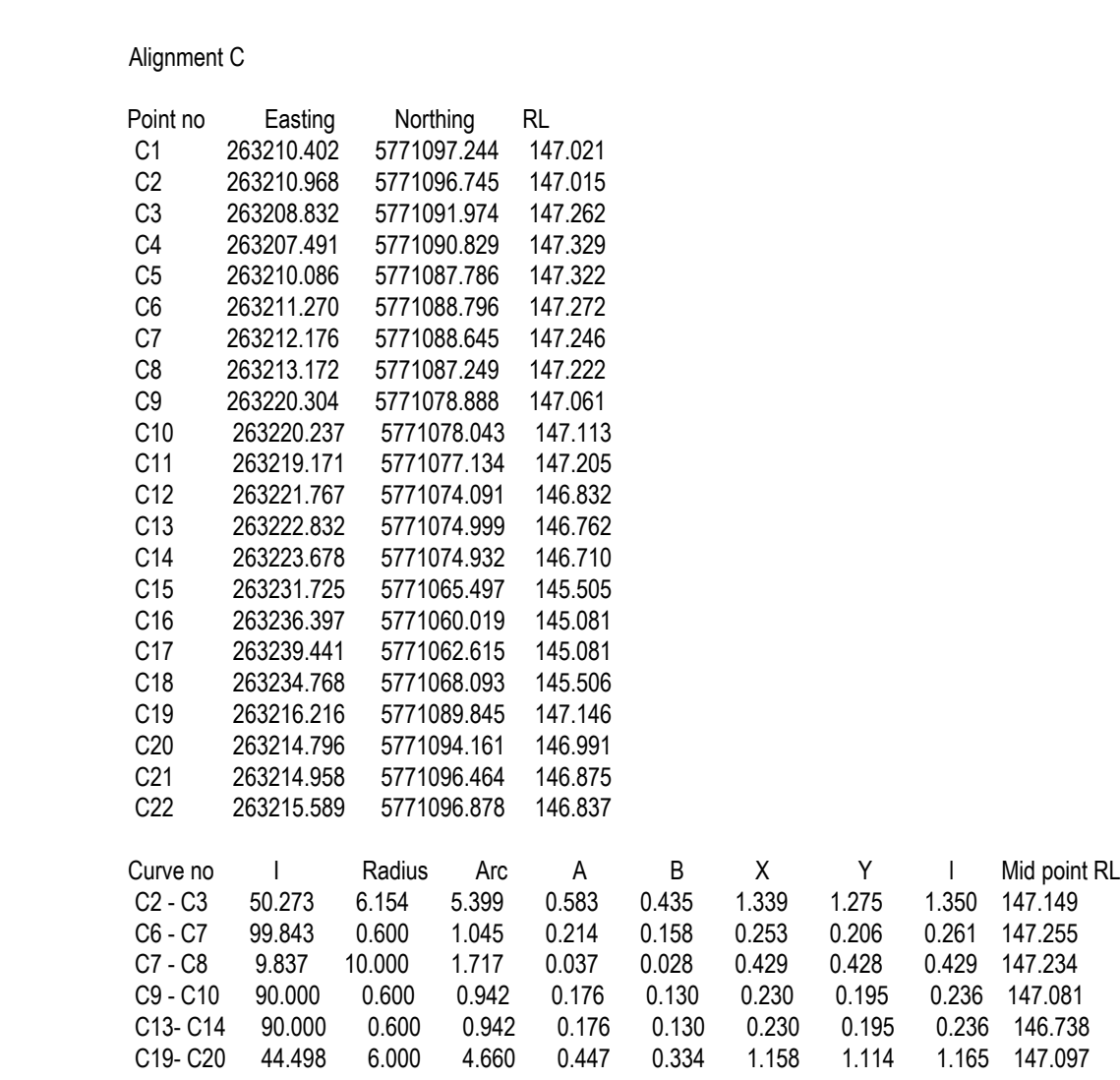
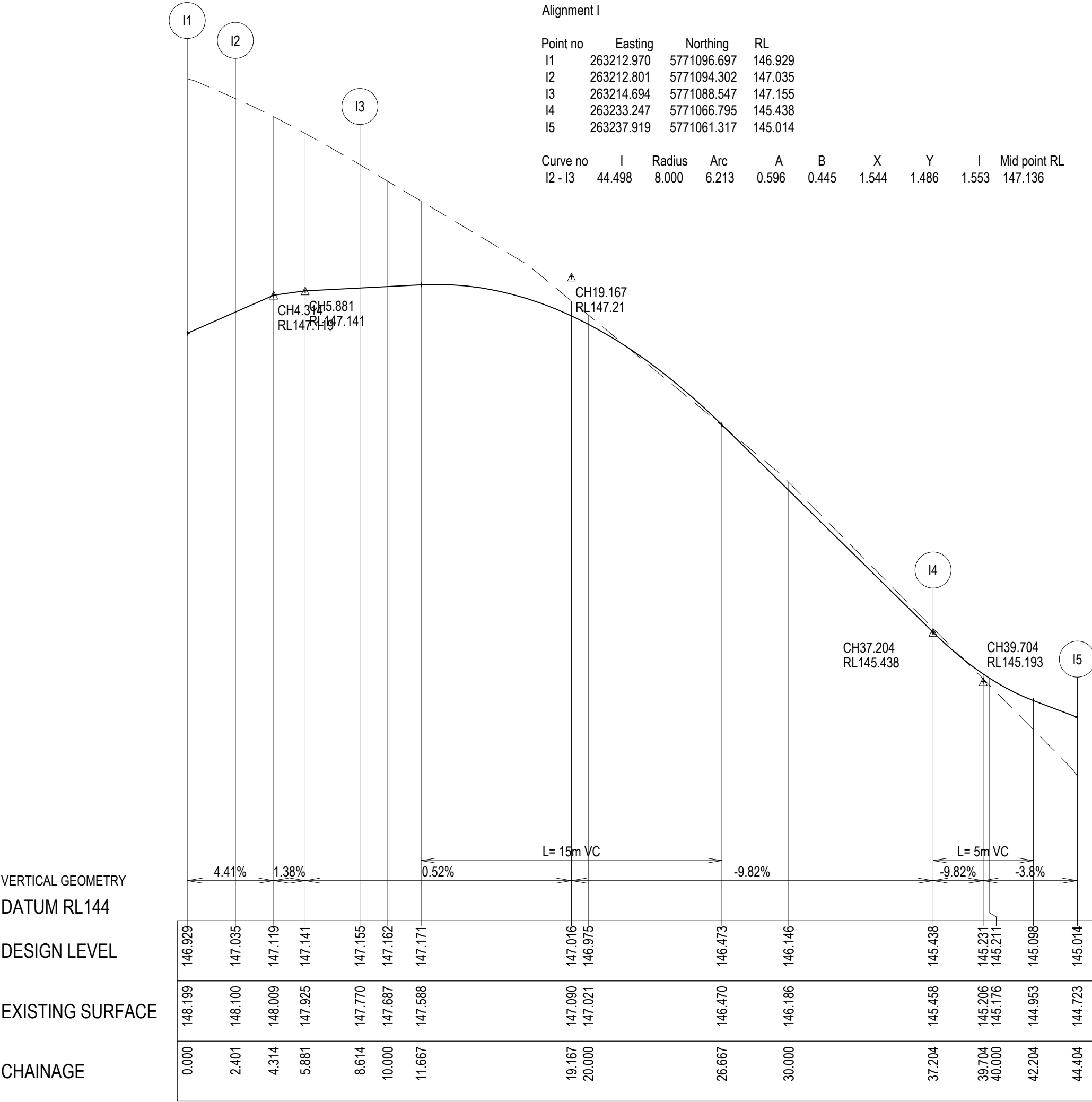
REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
AC	19/20/21	AS CONSTRUCTED	C.ROHDE	M.TROUNCE	T.PALIOS
0	18/02/20	CONSTRUCTION ISSUE	C.ROHDE	M.TROUNCE	T.PALIOS
C	19/12/19	AMENDED AS PER COUNCIL COMMENTS (17/12/19)	C.ROHDE	A.WALE	T.PALIOS
B	03/10/19	TENDER ISSUE	C.ROHDE	A.WALE	T.PALIOS
A	16/08/19	ISSUED FOR APPROVAL	C.ROHDE	A.WALE	T.PALIOS



**WANDANA ESTATE - STAGE 2B
INTERSECTION DETAIL PLAN - 2**

AS CONSTRUCTED

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
A.WALE	T.PALIOS	16/08/19
PROJECT No.	DRAWING No.	REVISION
180363.2B	R301	AC



WARNING

BEWARE OF UNDERGROUND & OVERHEAD SERVICES

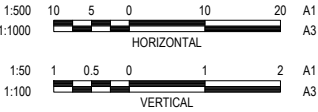
The locations of underground & overhead services are approximate only & their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works

DIAL 1100 BEFORE YOU DIG

www.1100.com.au

MONCRIEFF CRESCENT DESIGN LINE			
CHAINAGE	EASTING	NORTHING	BEARING
515.001	263201.971	5771111.093	139°32'20" IP
520.000	263205.215	5771107.290	139°32'20" TC
523.001	263207.162	5771105.006	139°32'20"
523.528	263207.517	5771104.615	136°10'36"
524.706	263208.384	5771103.821	128°41'14"
525.882	263209.348	5771103.148	121°11'51"
527.059	263210.391	5771102.606	113°42'28"
528.235	263211.496	5771102.205	106°13'06"
529.412	263212.644	5771101.951	98°43'43"
530.588	263213.815	5771101.849	91°14'20"
531.765	263214.990	5771101.900	83°44'57"
532.941	263216.148	5771102.104	76°15'35"
534.118	263217.269	5771102.457	68°46'12"
535.294	263218.335	5771102.954	61°16'49"
536.471	263219.327	5771103.585	53°47'27"
537.139	263219.851	5771103.999	49°32'07" CT
540.000	263222.027	5771105.856	49°32'07"
560.000	263237.243	5771118.836	49°32'07"
580.000	263252.460	5771131.815	49°32'07"
600.000	263267.676	5771144.795	49°32'07"
620.000	263282.892	5771157.774	49°32'07"
626.500	263287.837	5771161.993	49°32'07"
640.000	263298.108	5771170.754	49°32'07"
652.850	263307.884	5771179.093	49°32'07" TC
655.000	263309.488	5771180.525	46°58'07"
657.500	263311.270	5771182.278	43°59'04"
660.000	263312.959	5771184.121	41°00'01"
662.500	263314.549	5771186.049	38°00'58"
665.000	263316.037	5771188.058	35°01'55"
667.500	263317.418	5771190.142	32°02'52"
670.000	263318.689	5771192.294	29°03'49"
672.500	263319.846	5771194.510	26°04'46"
675.000	263320.886	5771196.783	23°05'43"
677.500	263321.806	5771199.107	20°06'40"
680.000	263322.604	5771201.476	17°07'37"
682.500	263323.278	5771203.883	14°08'34"
685.000	263323.826	5771206.323	11°09'31"
687.500	263324.245	5771208.787	8°10'29"
687.758	263324.281	5771209.042	7°51'60" CT
700.000	263325.957	5771221.169	7°51'60"
718.841	263328.536	5771239.833	7°51'60"

MONCRIEFF CRESCENT DESIGN LINE			
--- IP Details ---			
IP 1	coordinate =	263201.9705	5771111.0933
	chainage =	515.001	
IP 2	coordinate =	263213.0031	5771098.1580
	centre =	263214.0099	5771110.8465
	radius =	-9.0000	
	length =	14.1377	
	intersect angle =	90°00'13"	
start tangent			
	coordinate =	263207.1623	5771105.0061
	length =	9.0006	
	chainage =	523.0013	
	bearing =	139°32'20"	
end tangent			
	coordinate =	263219.8507	5771103.9992
	length =	9.0006	
	chainage =	537.1390	
	bearing =	49°32'07"	
IP 3	coordinate =	263321.7812	5771190.9477
	centre =	263326.7330	5771215.6119
	radius =	-46.0000	
	length =	34.9082	
	intersect angle =	41°40'07"	
start tangent			
	coordinate =	263307.8841	5771179.0932
	length =	18.2664	
	chainage =	652.8498	
	bearing =	49°32'07"	
end tangent			
	coordinate =	263324.2813	5771209.0422
	length =	18.2664	
	chainage =	687.7580	
	bearing =	7°51'60"	
IP 4	coordinate =	263328.5356	5771239.8329
	chainage =	718.8410	



LEGEND

EXISTING SURFACE

DESIGN LINE

FUTURE DESIGN LINE

LEFT BACK OF KERB

RIGHT BACK OF KERB

VERTICAL GEOMETRY
HORIZONTAL GEOMETRY
DATUM RL141

DESIGN CENTRELINE

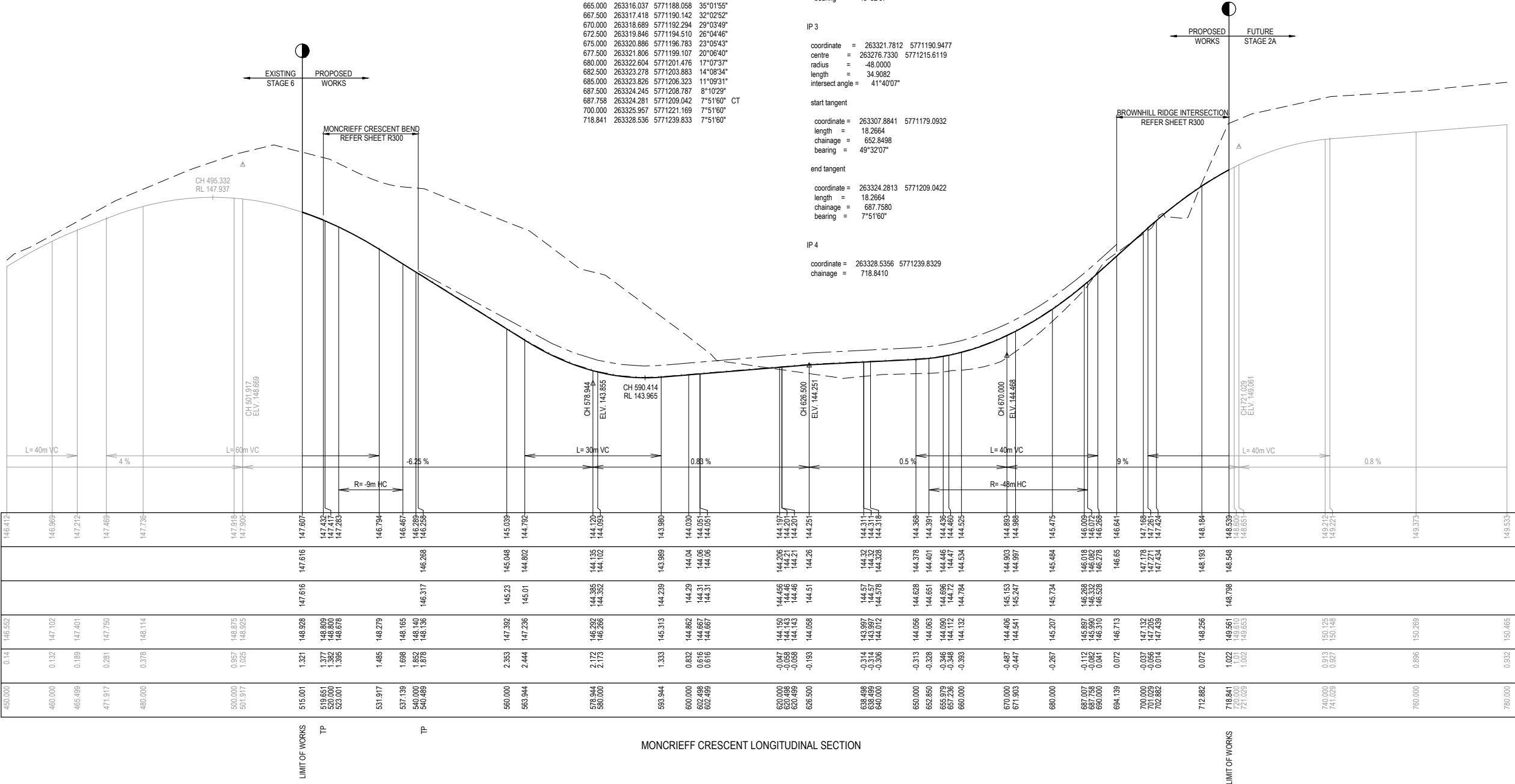
RIGHT BACK OF KERB

LEFT BACK OF KERB

EXISTING SURFACE

CENTRELINE DEPTH

CHAINAGE



MONCRIEFF CRESCENT LONGITUDINAL SECTION

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
AC	19/20/21	AS CONSTRUCTED	C.ROHDE	M.TROUNCE	T.PALIOS
O	18/02/20	CONSTRUCTION ISSUE	C.ROHDE	M.TROUNCE	T.PALIOS
C	19/12/19	AMENDED AS PER COUNCIL COMMENTS (17/12/19)	C.ROHDE	A.WALE	T.PALIOS
B	03/10/19	TENDER ISSUE	C.ROHDE	A.WALE	T.PALIOS
A	16/08/19	ISSUED FOR APPROVAL	C.ROHDE	A.WALE	T.PALIOS

villawood

properties

Communities Designed for Living

creo

CONSULTANTS

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

WANDANA

Wandana Heights

DRAWING TITLE
WANDANA ESTATE - STAGE 2B
LONGITUDINAL SECTIONS - 1

STATUS
AS CONSTRUCTED

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
A.WALE	T.PALIOS	16/08/19
PROJECT No.	DRAWING No.	REVISION
180363.2B	R400	AC

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

BROWNHILL RIDGE DESIGN LINE				
CHAINAGE	EASTING	NORTHING	BEARING	
304.173	263206.914	5771294.801	187°51'60"	IP
320.000	263204.748	5771279.123	187°51'60"	
340.000	263202.011	5771259.311	187°51'60"	
343.490	263201.533	5771255.854	187°51'60"	
346.889	263201.068	5771252.486	187°51'60"	TC
347.059	263201.046	5771252.318	186°47'14"	
348.235	263200.984	5771251.144	179°17'51"	
349.412	263201.075	5771249.972	171°48'28"	
350.588	263201.318	5771248.822	164°19'06"	
351.765	263201.709	5771247.713	156°49'43"	
352.941	263202.241	5771246.665	149°20'20"	
354.118	263202.906	5771245.695	141°50'58"	
355.294	263203.691	5771244.820	134°21'35"	
356.471	263204.583	5771244.055	126°52'12"	
357.647	263205.568	5771243.412	119°22'49"	
358.824	263206.628	5771242.903	111°53'27"	
360.000	263207.745	5771242.537	104°24'04"	
361.158	263208.882	5771242.322	97°01'40"	CT
363.514	263211.220	5771242.034	97°01'40"	
380.000	263227.562	5771240.017	97°01'40"	
400.000	263247.432	5771237.570	97°01'40"	
420.000	263267.282	5771235.123	97°01'40"	
440.000	263287.132	5771232.676	97°01'40"	
446.064	263293.150	5771231.934	97°01'40"	
460.000	263306.981	5771230.229	97°01'40"	
476.689	263323.545	5771228.187	97°01'40"	
480.000	263326.831	5771227.782	97°01'40"	
480.039	263326.870	5771227.777	97°01'40"	IP

BROWNHILL RIDGE DESIGN LINE

--- IP Details ---

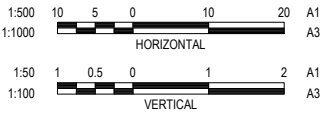
IP 1
coordinate = 263206.9140 5771294.8010
chainage = 304.173
intersect angle = 0°15'30"

IP 2
coordinate = 263199.8179 5771243.4395
centre = 263209.9832 5771251.2545
radius = -9.0000
length = 14.2689
intersect angle = 90°50'20"

start tangent
coordinate = 263201.0679 5771252.4863
length = 9.1327
chainage = 346.8893
bearing = 187°51'60"

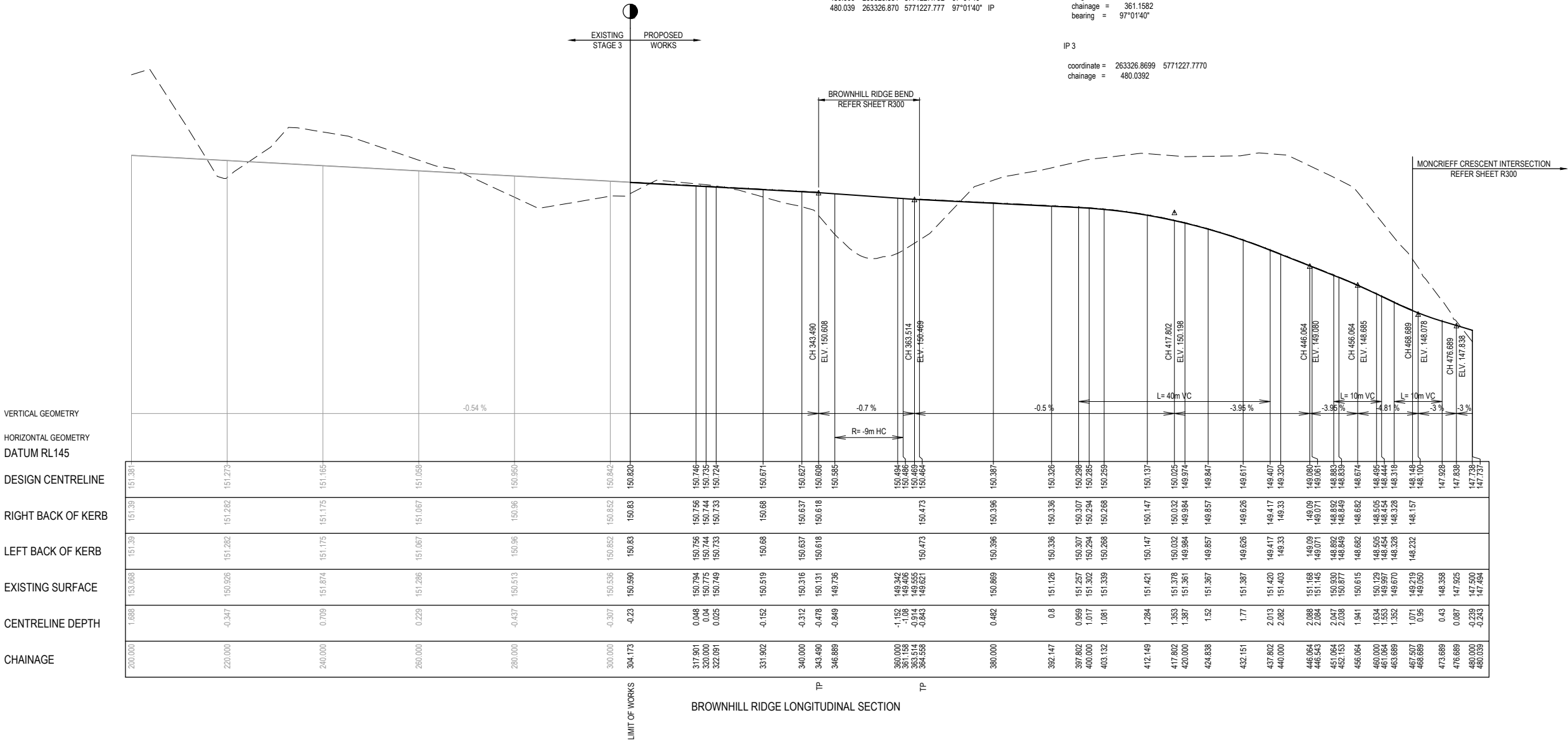
end tangent
coordinate = 263208.8821 5771242.3221
length = 9.1327
chainage = 361.1582
bearing = 97°01'40"

IP 3
coordinate = 263326.8699 5771227.7770
chainage = 480.0392



LEGEND

--- EXISTING SURFACE
--- DESIGN LINE
--- FUTURE DESIGN LINE
--- LEFT BACK OF KERB
--- RIGHT BACK OF KERB



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

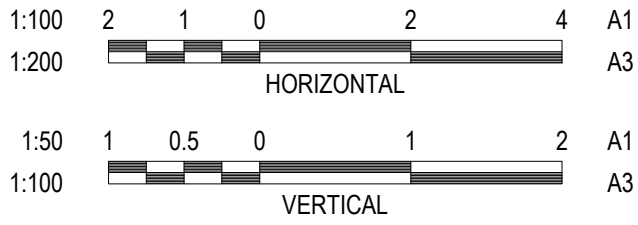
LEGEND

EXISTING SURFACE

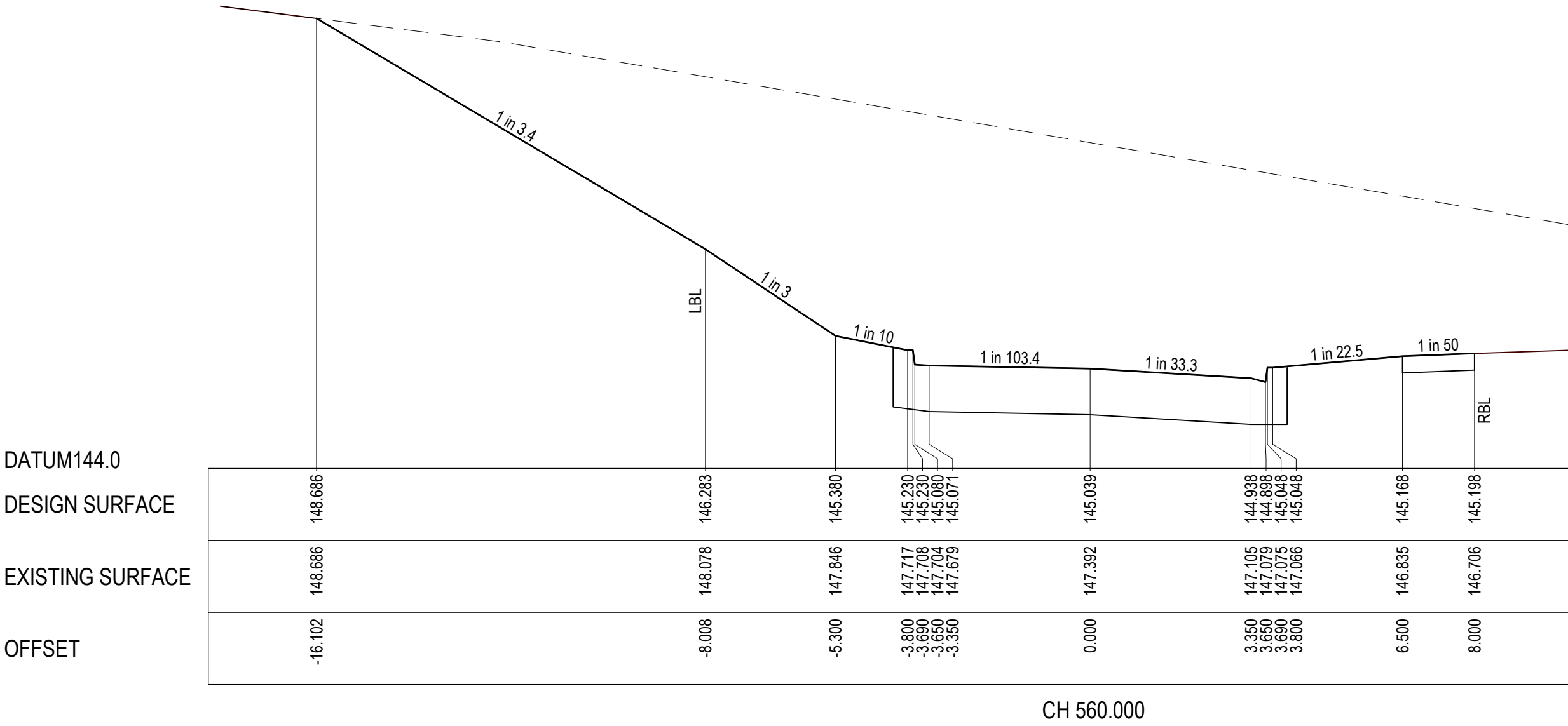
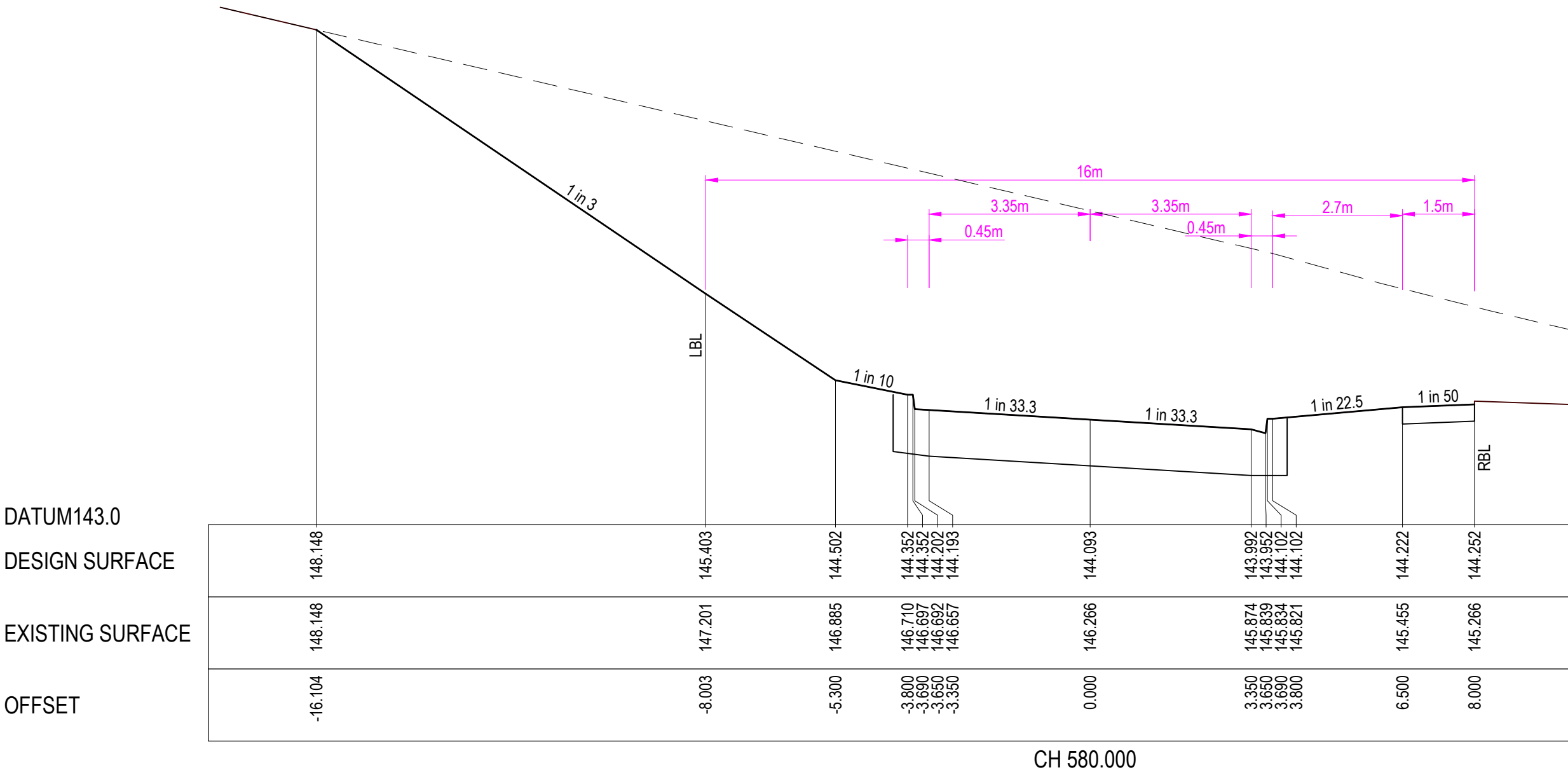
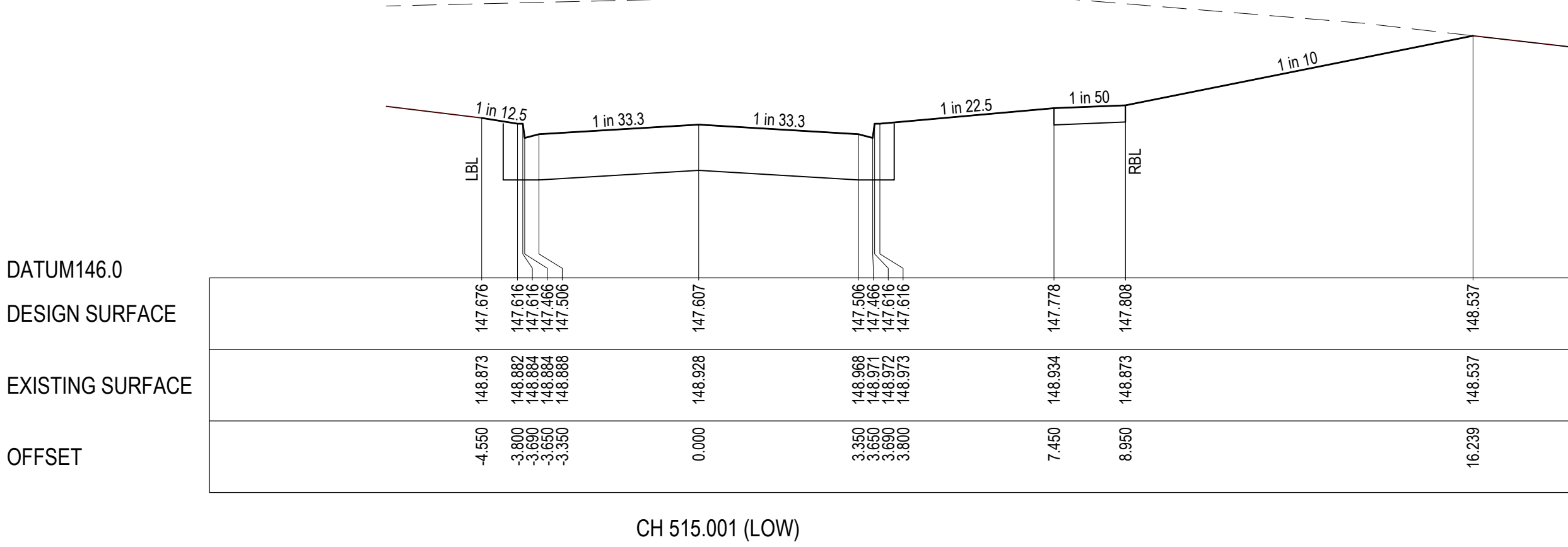
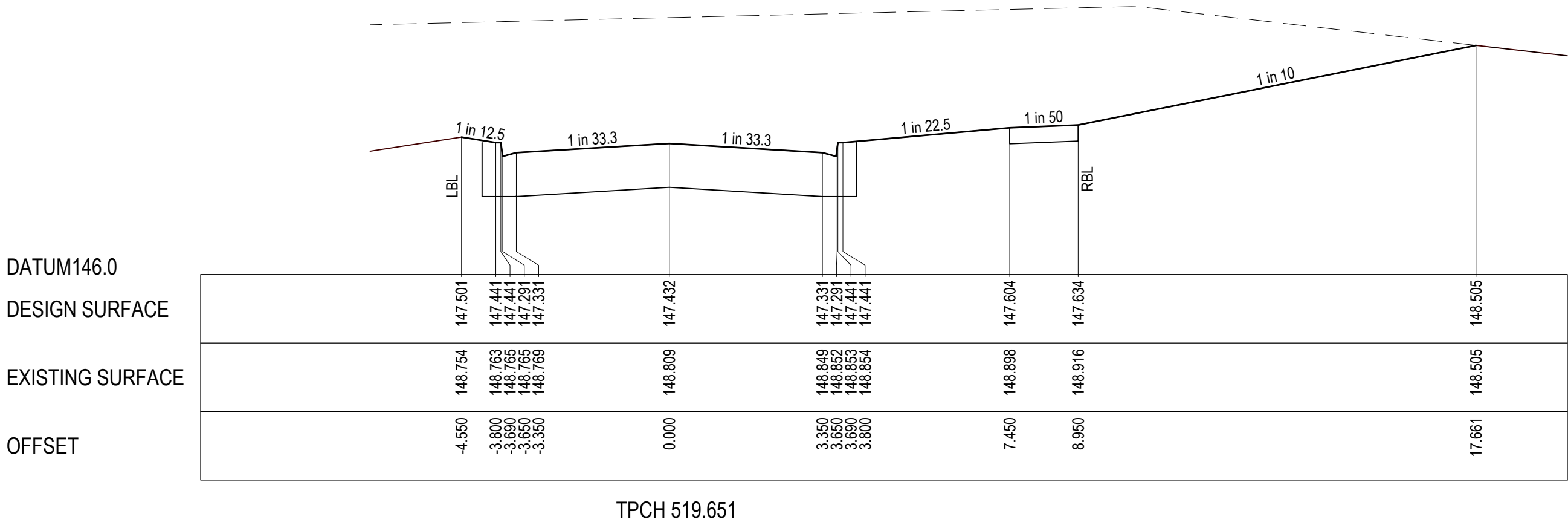
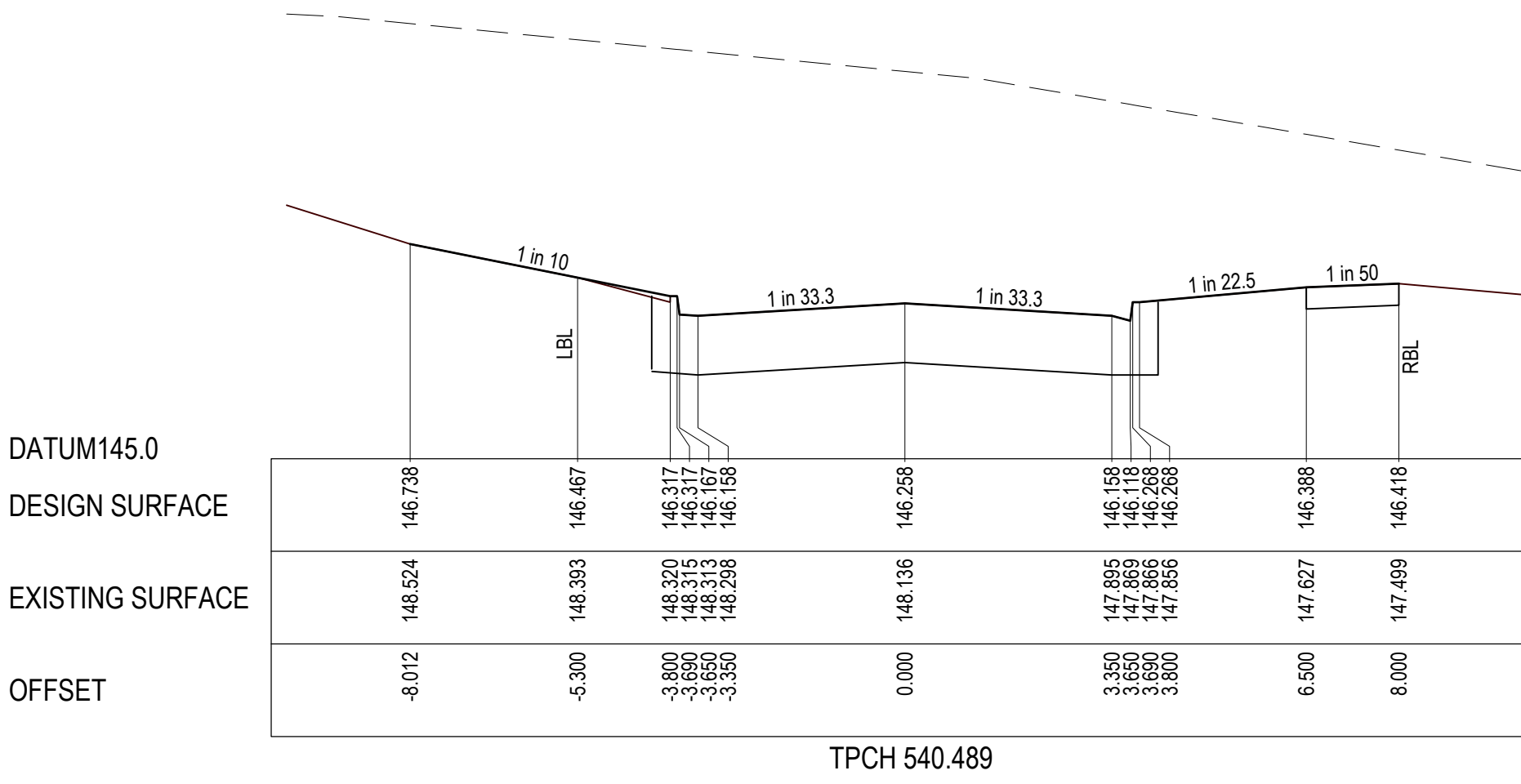
—




DESIGN LINE

SELECT STRUCTURAL FILL

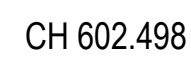
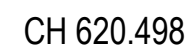
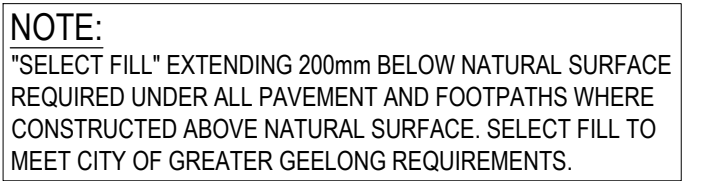





NOTE:
"SELECT FILL" EXTENDING 200mm BELOW NATURAL SURFACE REQUIRED UNDER ALL PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. SELECT FILL TO MEET CITY OF GREATER GEELONG REQUIREMENTS.

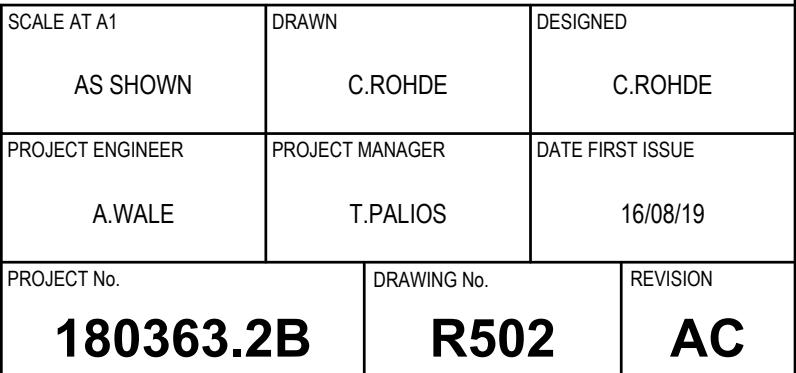
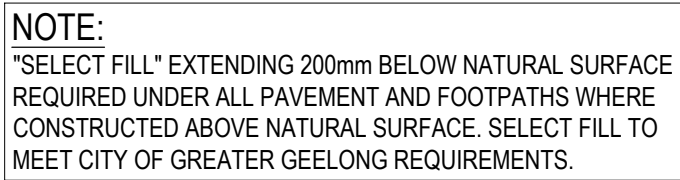


REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED	
						 Communities Designed for Living	 Level 7, 176 Wellington Parade East Melbourne, VIC, Australia 3002	 Wandana Heights	WANDANA ESTATE - STAGE 2B ROAD CROSS SECTIONS - 1 MONCRIEFF CRESCENT	AS CONSTRUCTED	AS SHOWN	C.ROHDE	C.ROHDE
					PROJECT ENGINEER						PROJECT MANAGER	DATE FIRST ISSUE	
					A.WALE						T.PALIOS	16/08/19	
					PROJECT No.						DRAWING No.	REVISION	
					180363.2B						R500	AC	
AC	19/20/21	AS CONSTRUCTED	C.ROHDE	M.TROUNCE	T.PALIOS								
0	18/02/20	CONSTRUCTION ISSUE	C.ROHDE	M.TROUNCE	T.PALIOS								
C	19/12/19	AMENDED AS PER COUNCIL COMMENTS (17/12/19)	C.ROHDE	A.WALE	T.PALIOS								
B	03/10/19	TENDER ISSUE	C.ROHDE	A.WALE	T.PALIOS								
A	16/08/19	ISSUED FOR APPROVAL	C.ROHDE	A.WALE	T.PALIOS								


www.1100.com.au

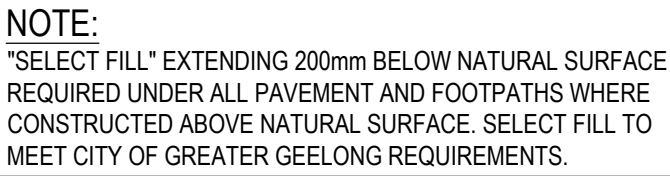
 SELECT STRUCTURAL FILL

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 2B ROAD CROSS SECTIONS - 2 MONCRIEFF CRESCENT	AS CONSTRUCTED	AS SHOWN	C.ROHDE	C.ROHDE	
AC	19/20/21	AS CONSTRUCTED	C.ROHDE	M.TROUNCE	T.PALIOS					PROJECT ENGINEER	A.WALE	T.PALIOS	DATE FIRST ISSUE
0	18/02/20	CONSTRUCTION ISSUE	C.ROHDE	M.TROUNCE	T.PALIOS								16/08/19
C	19/12/19	AMENDED AS PER COUNCIL COMMENTS (17/12/19)	C.ROHDE	A.WALE	T.PALIOS					PROJECT No.	DRAWING No.	REVISION	
B	03/10/19	TENDER ISSUE	C.ROHDE	A.WALE	T.PALIOS					180363.2B	R501	AC	
A	16/08/19	ISSUED FOR APPROVAL	C.ROHDE	A.WALE	T.PALIOS								



LEGEND

	EXISTING SURFACE
	DESIGN LINE
	SELECT STRUCTURAL FILL



Villawood
properties
Communities Designed for Living



creo
CONSULTANTS

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



**WANDANA ESTATE - STAGE 2B
ROAD CROSS SECTIONS - 4
MONCRIEFF CRESCENT**

AS CONSTRUCTED

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
A.WALE	T.PALIOS	16/08/19
PROJECT No.	DRAWING No.	REVISION
180363.2B	R503	AC

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

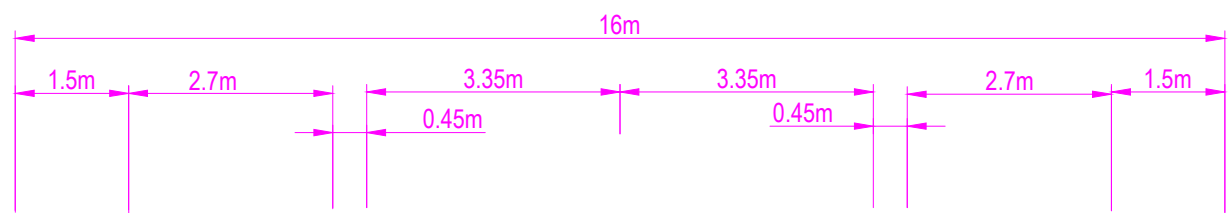
LEGEND

- EXISTING SURFACE
— DESIGN LINE
SELECT STRUCTURAL 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.

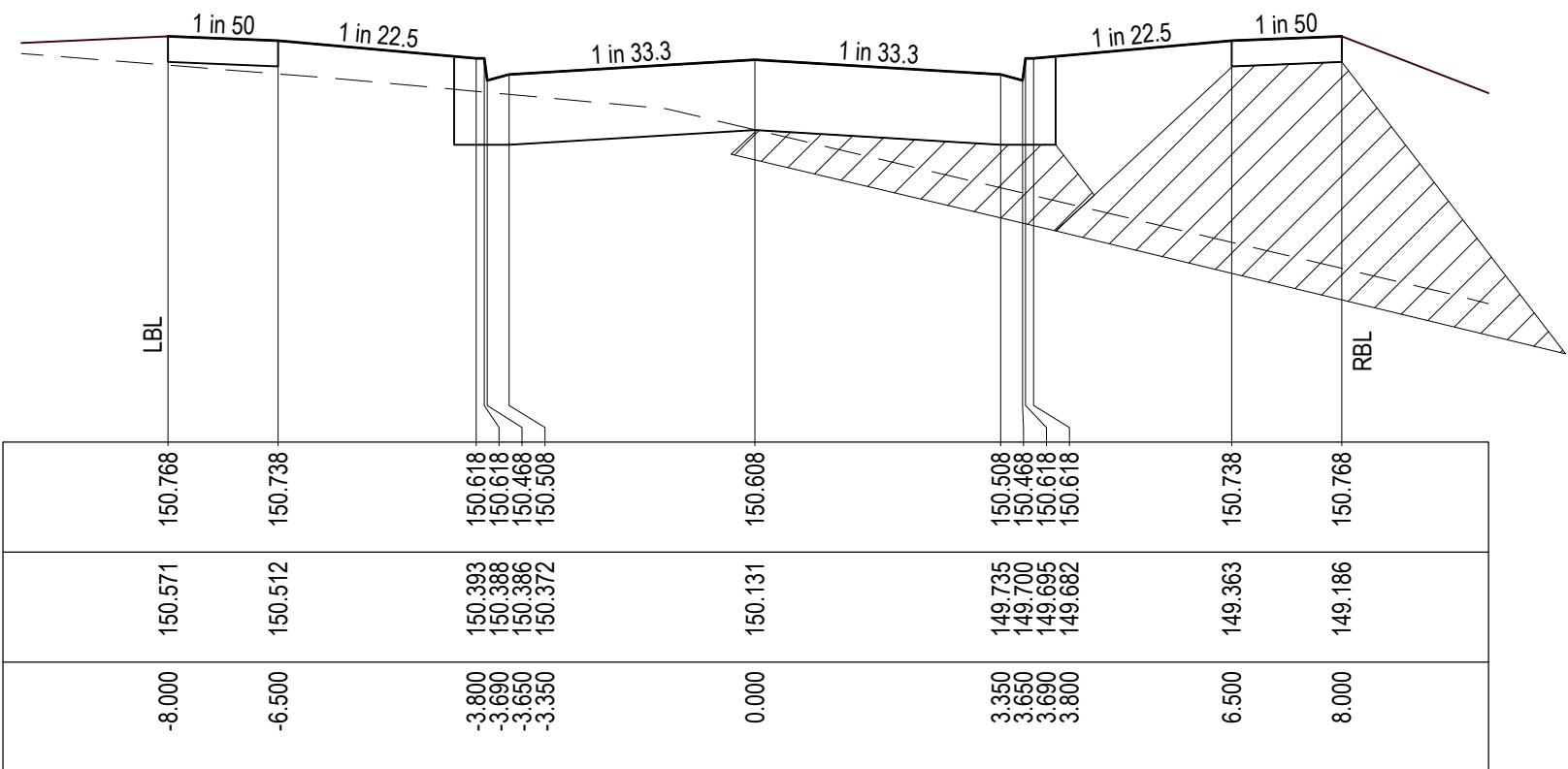


DATUM148.0

DESIGN SURFACE

EXISTING SURFACE

OFFSET



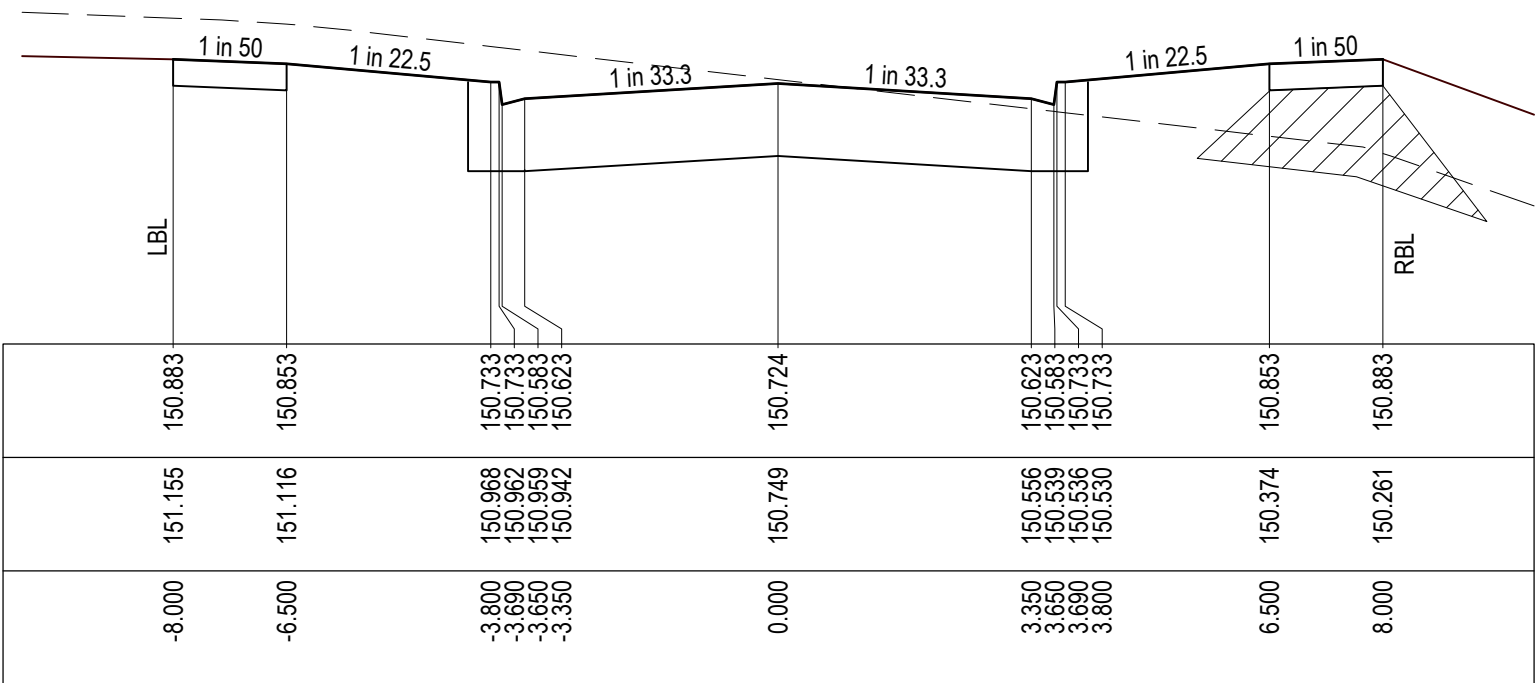
TPCH 343.490

DATUM149.0

DESIGN SURFACE

EXISTING SURFACE

OFFSET



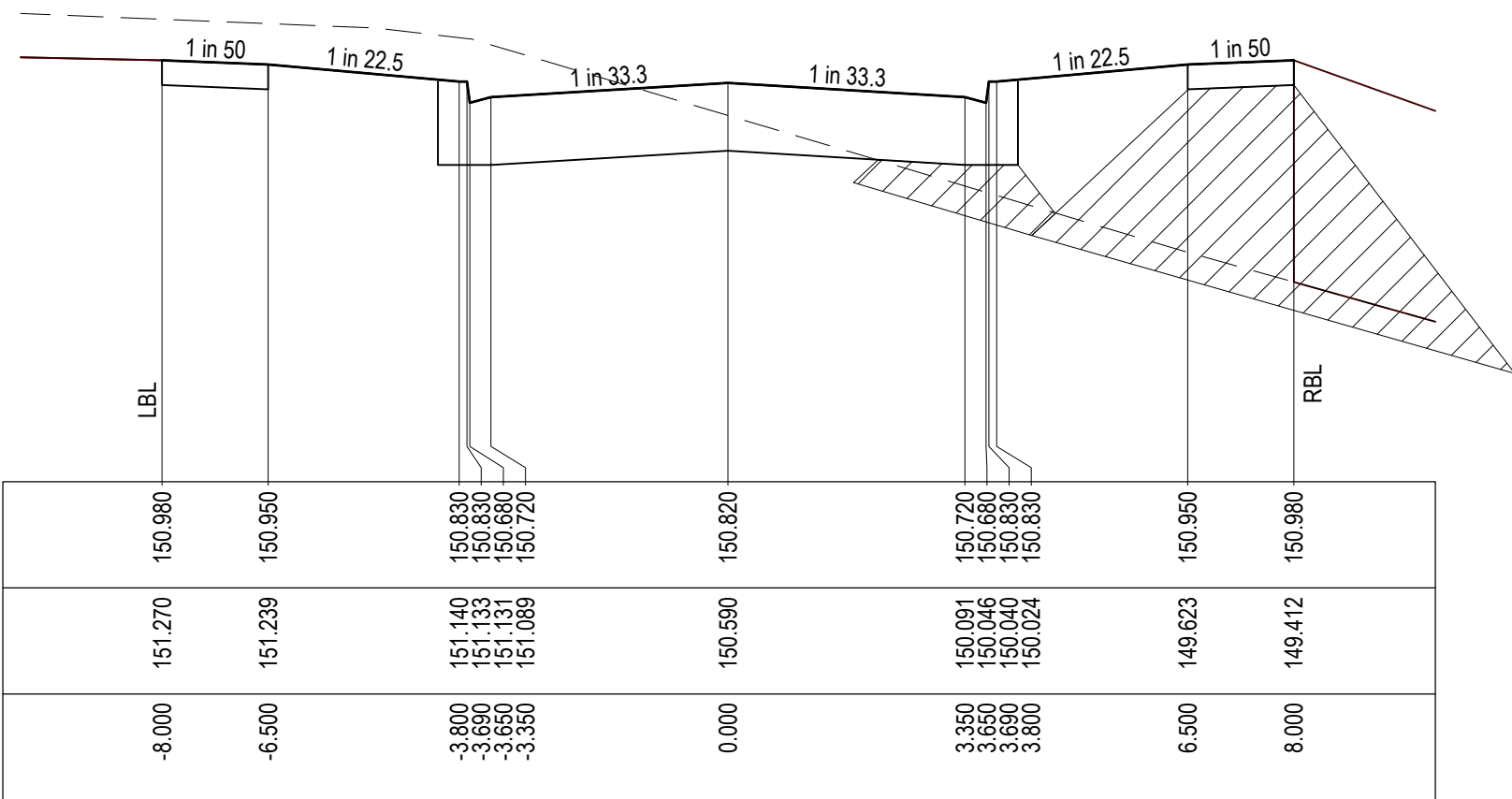
CH 322.091

DATUM148.0

DESIGN SURFACE

EXISTING SURFACE

OFFSET



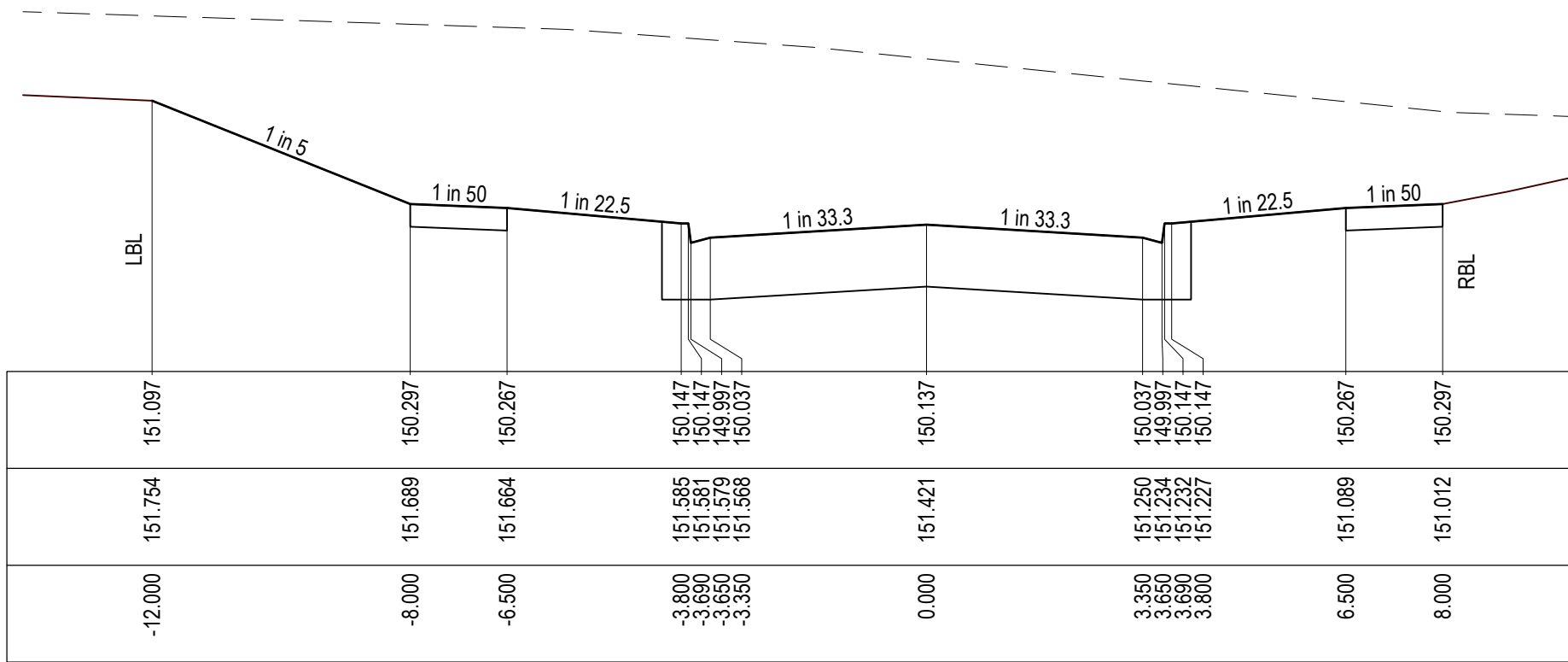
CH 304.173 (LOW)

DATUM149.0

DESIGN SURFACE

EXISTING SURFACE

OFFSET



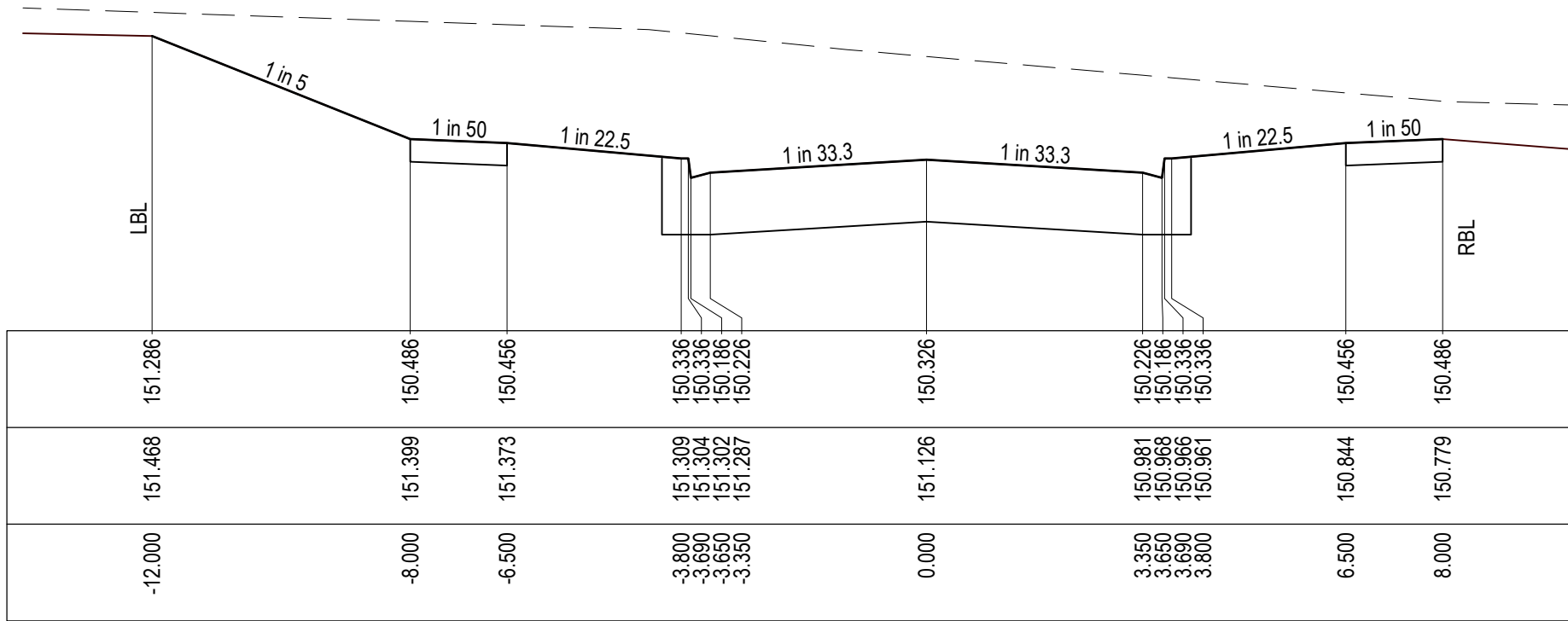
CH 412.149

DATUM149.0

DESIGN SURFACE

EXISTING SURFACE

OFFSET



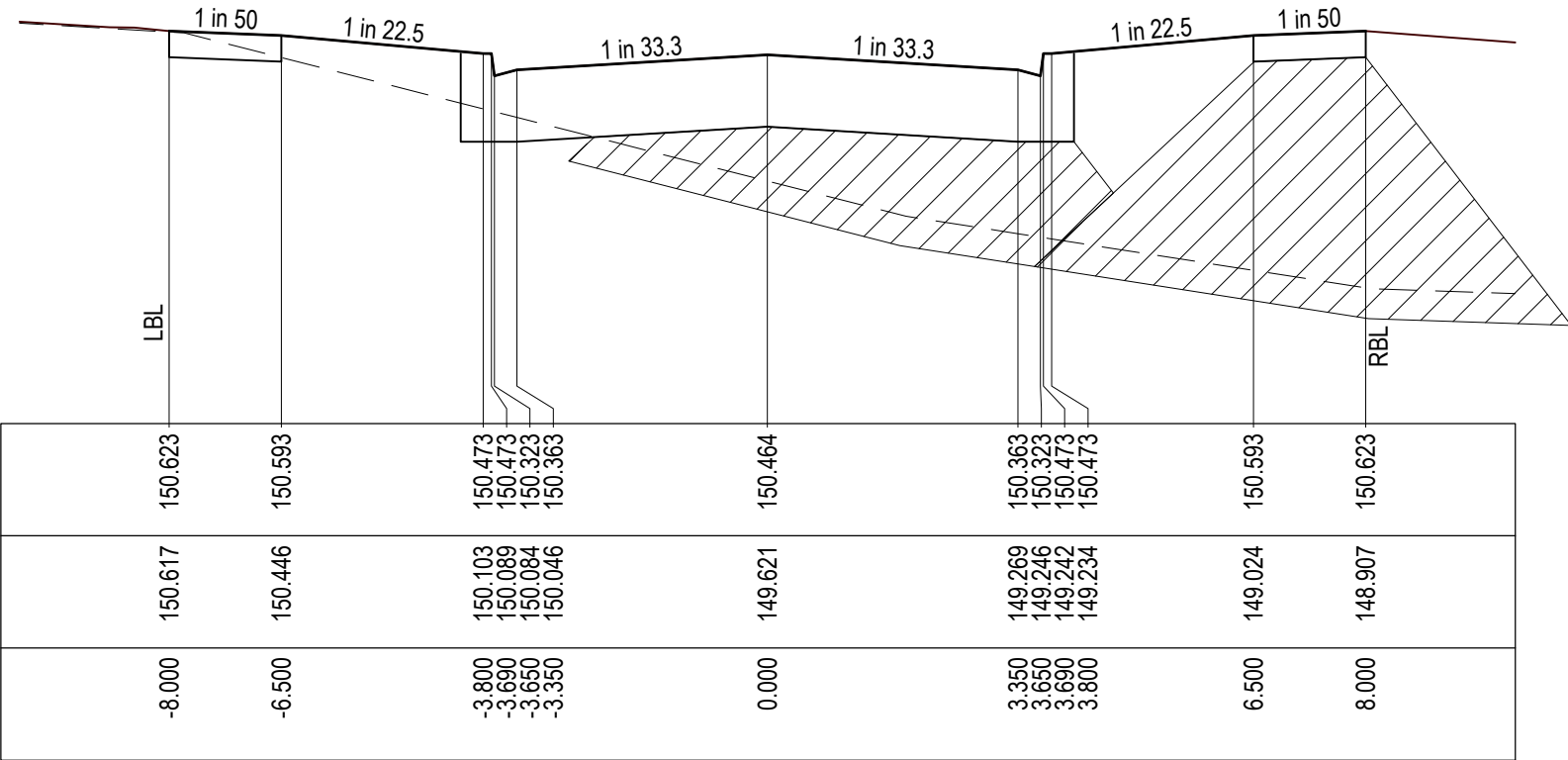
CH 392.147

DATUM148.0

DESIGN SURFACE

EXISTING SURFACE

OFFSET



TPCH 364.558

REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
AC	19/20/21	AS CONSTRUCTED	C.ROHDE	M.TROUNCE	T.PALIOS
O	18/02/20	CONSTRUCTION ISSUE	C.ROHDE	M.TROUNCE	T.PALIOS
C	19/12/19	AMENDED AS PER COUNCIL COMMENTS (17/12/19)	C.ROHDE	A.WALE	T.PALIOS
B	03/10/19	TENDER ISSUE	C.ROHDE	A.WALE	T.PALIOS
A	16/08/19	ISSUED FOR APPROVAL	C.ROHDE	A.WALE	T.PALIOS



WANDANA ESTATE - STAGE 2B
ROAD CROSS SECTIONS - 5
BROWNHILL RIDGE

AS CONSTRUCTED

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
A.WALE	T.PALIOS	16/08/19
PROJECT No.	DRAWING No.	REVISION
180363.2B	R504	AC

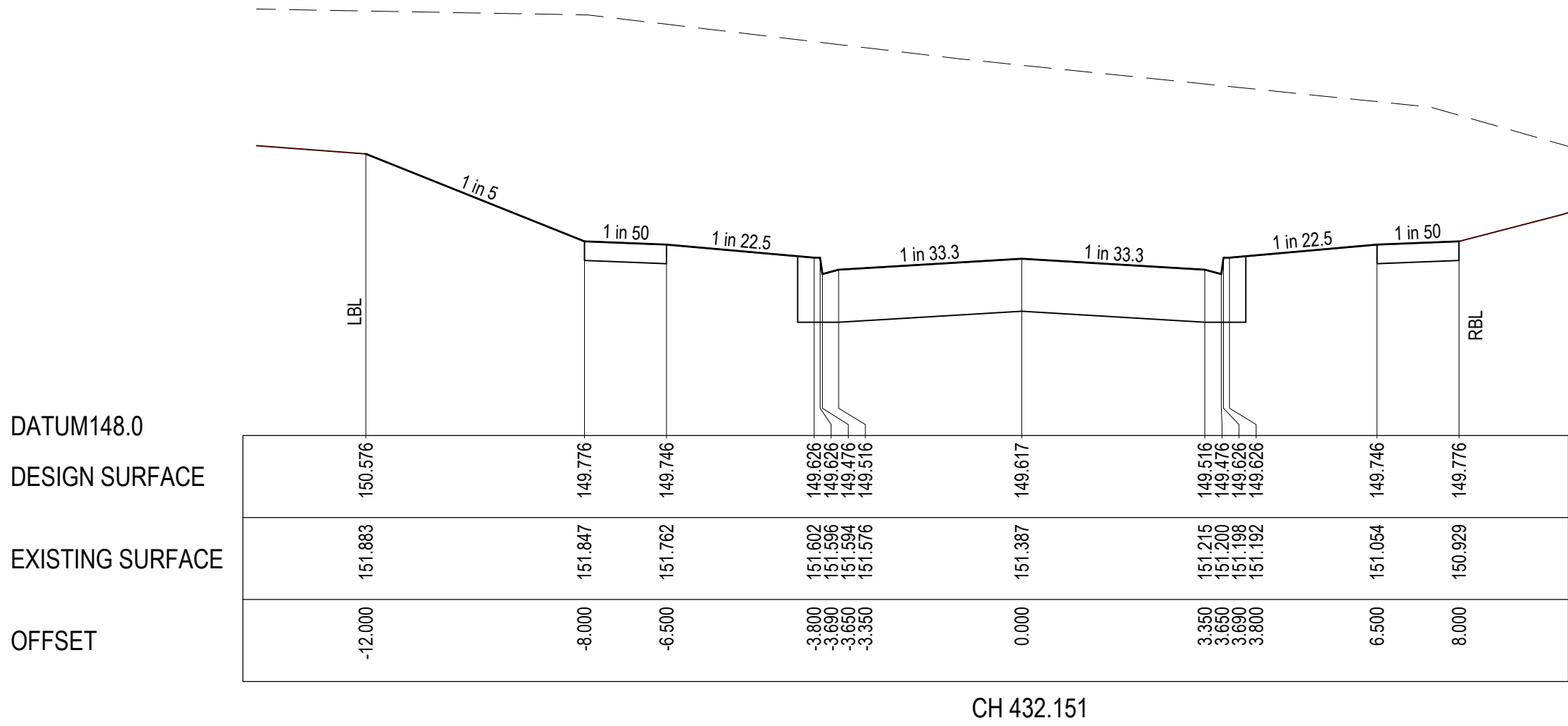
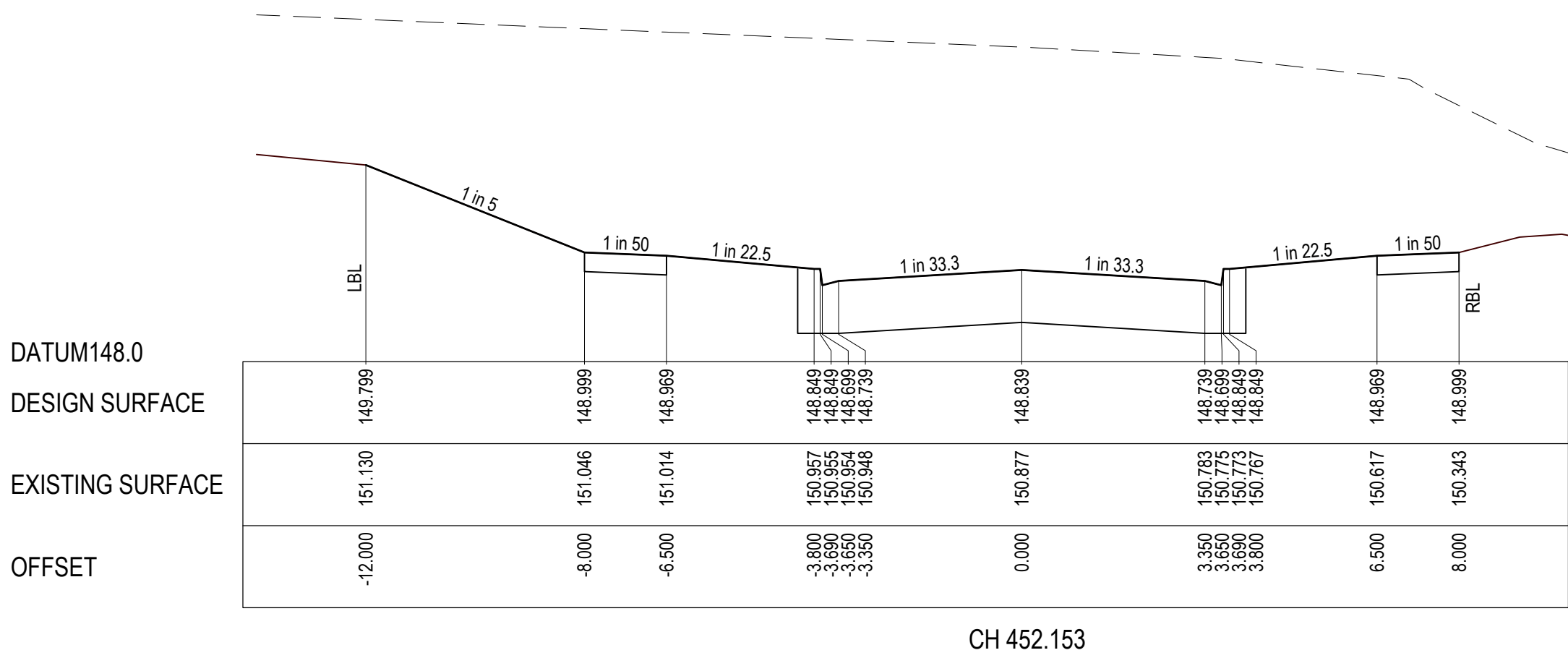
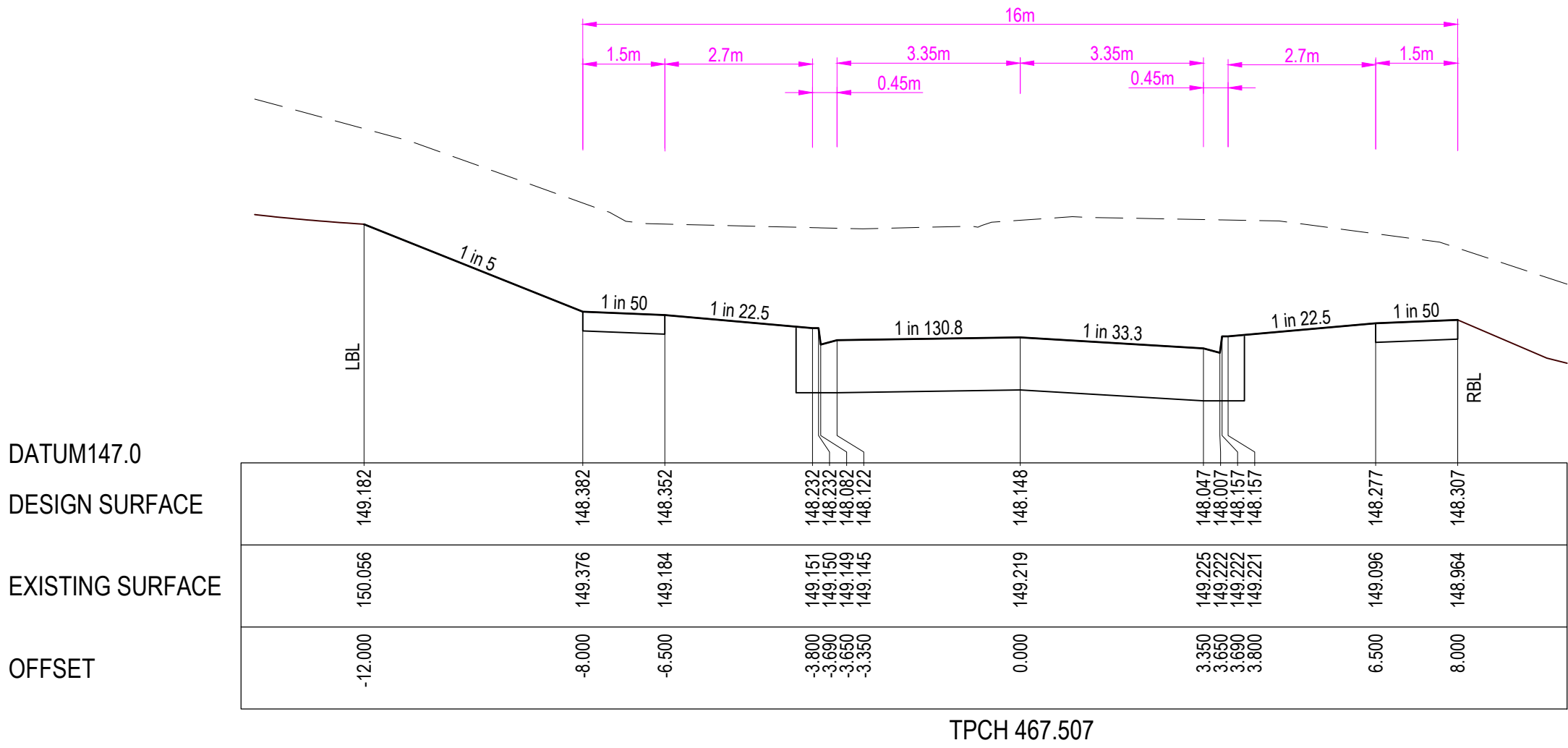
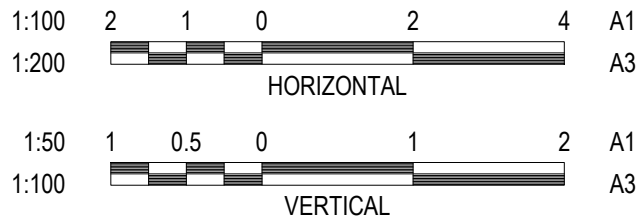
LEGEND

EXISTING SURFACE

DESIGN LINE

SELECT STRUCTURAL 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.






WARNING

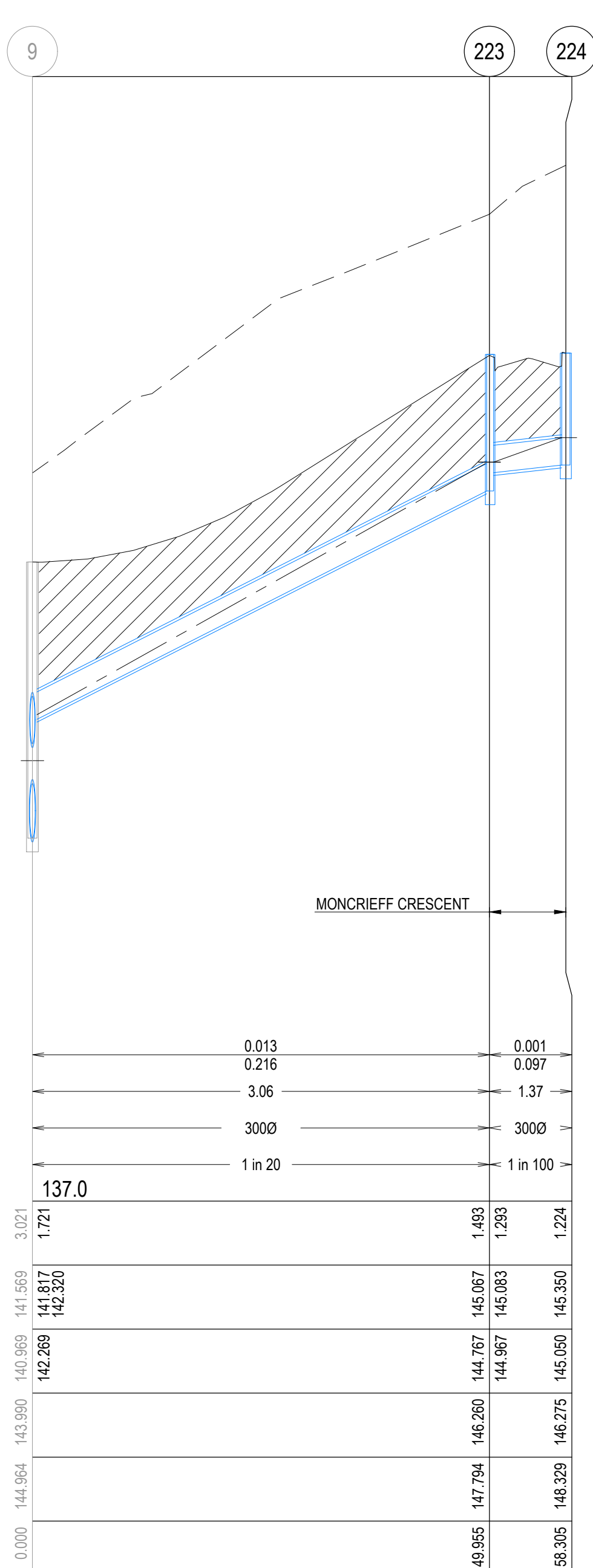
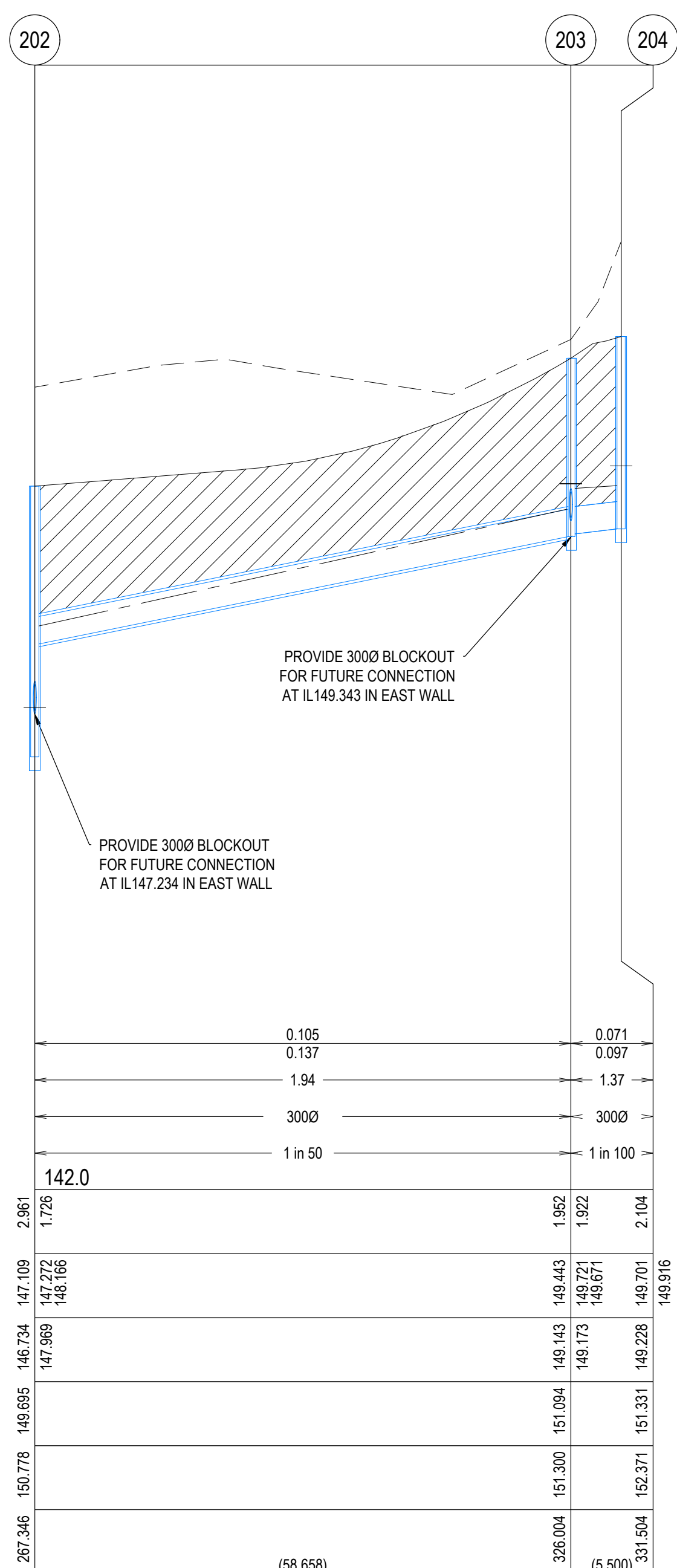
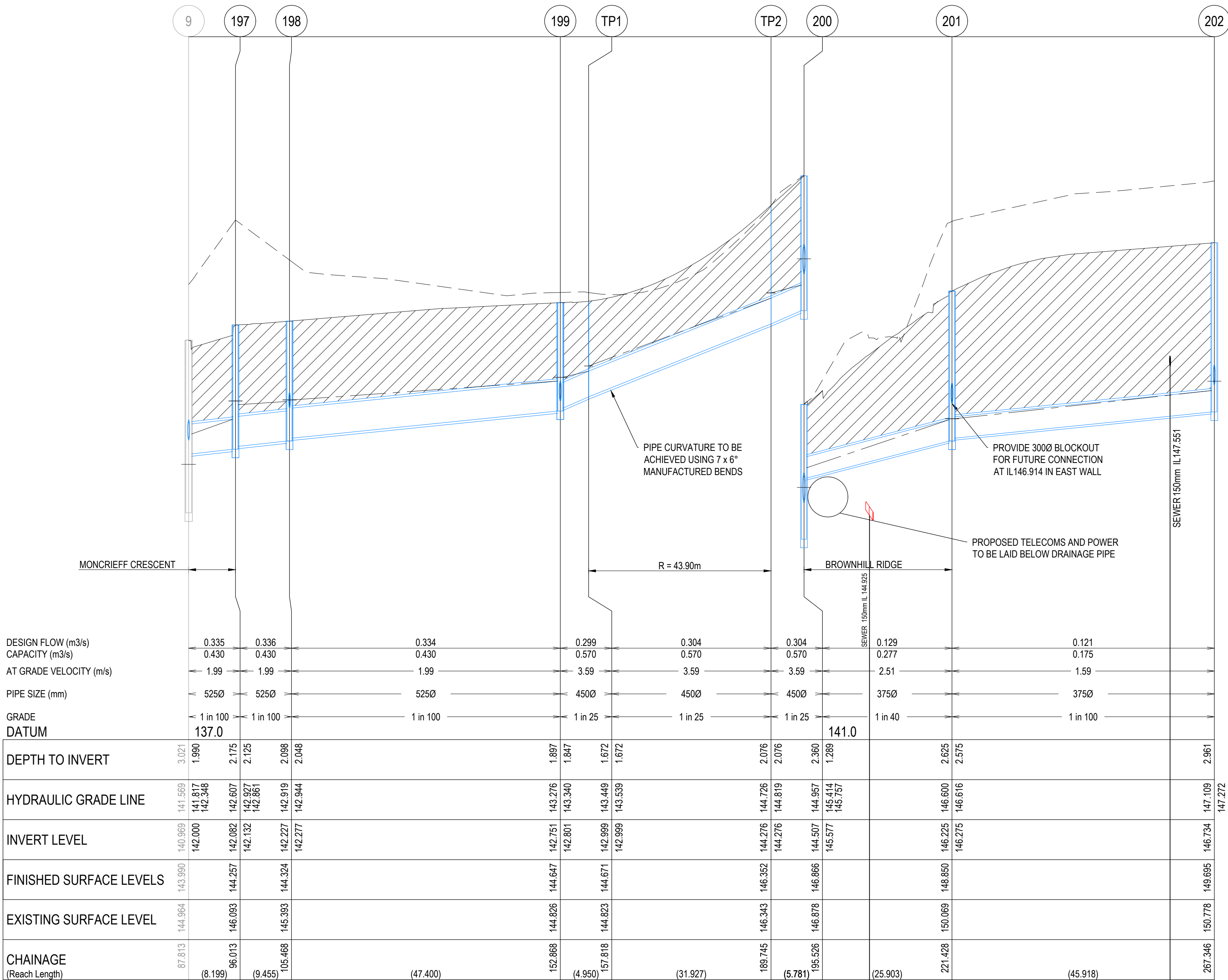
BEWARE OF UNDERGROUND & OVERHEAD SERVICES

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 2B ROAD CROSS SECTIONS - 6 BROWNHILL RIDGE	AS CONSTRUCTED	AS SHOWN	C.ROHDE	C.ROHDE
					PROJECT ENGINEER						PROJECT MANAGER	DATE FIRST ISSUE	
					A.WALE						T.PALIOS	16/08/19	
					PROJECT No.						DRAWING No.	REVISION	
					180363.2B						R505	AC	
AC	19/20/21	AS CONSTRUCTED	C.ROHDE	M.TROUNCE	T.PALIOS								
0	18/02/20	CONSTRUCTION ISSUE	C.ROHDE	M.TROUNCE	T.PALIOS								
C	19/12/19	AMENDED AS PER COUNCIL COMMENTS (17/12/19)	C.ROHDE	A.WALE	T.PALIOS								
B	03/10/19	TENDER ISSUE	C.ROHDE	A.WALE	T.PALIOS								
A	16/08/19	ISSUED FOR APPROVAL	C.ROHDE	A.WALE	T.PALIOS								



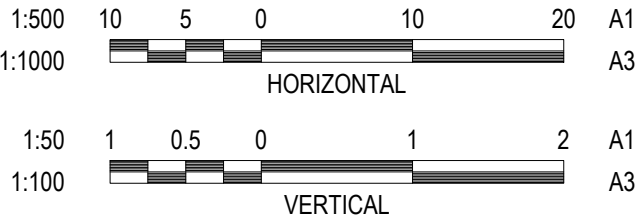
- NOTES**
- PIPE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED WITH 20mm NOM. SIZE CLASS 3 CRUSHED ROCK TO BE COMPACTED TO A DRY DENSITY NOT LESS THAN 98% MODIFIED RELATIVE COMPACTION IN 150mm THICK LAYER FOR THE FOLLOWING:
 - BENEATH DRIVEWAY CROSSOVERS TO THE UNDERSIDE OF THE PAVEMENT OR CROSSOVER.
 - 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 SPICOT-SOCKET RUBBER RING JOINTED (RRJ).
 - ALL DRAINAGE PIPES SHALL BE DUEL WALLED HDPE S8, 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.

DRAINAGE 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.

DRAINAGE PIPE TYPES

ALL STORMWATER DRAINAGE PIPES ARE TO BE A PLASTIC STORMPRO PIPE OR AN EQUIVALENT APPROVED PRODUCT.



- LEGEND**
- EXISTING SURFACE
 - DESIGN SURFACE
 - DRAINAGE PIPE/PIT
 - EXISTING DRAINAGE PIPE/PIT
 - HYDRAULIC GRADE LINE
 - CRUSHED ROCK BACKFILL
- NOTE: ALL DRAINAGE PIPES ARE DUEL WALLED HDPE PIPE S8 TYPE UNLESS OTHERWISE SHOWN




WARNING

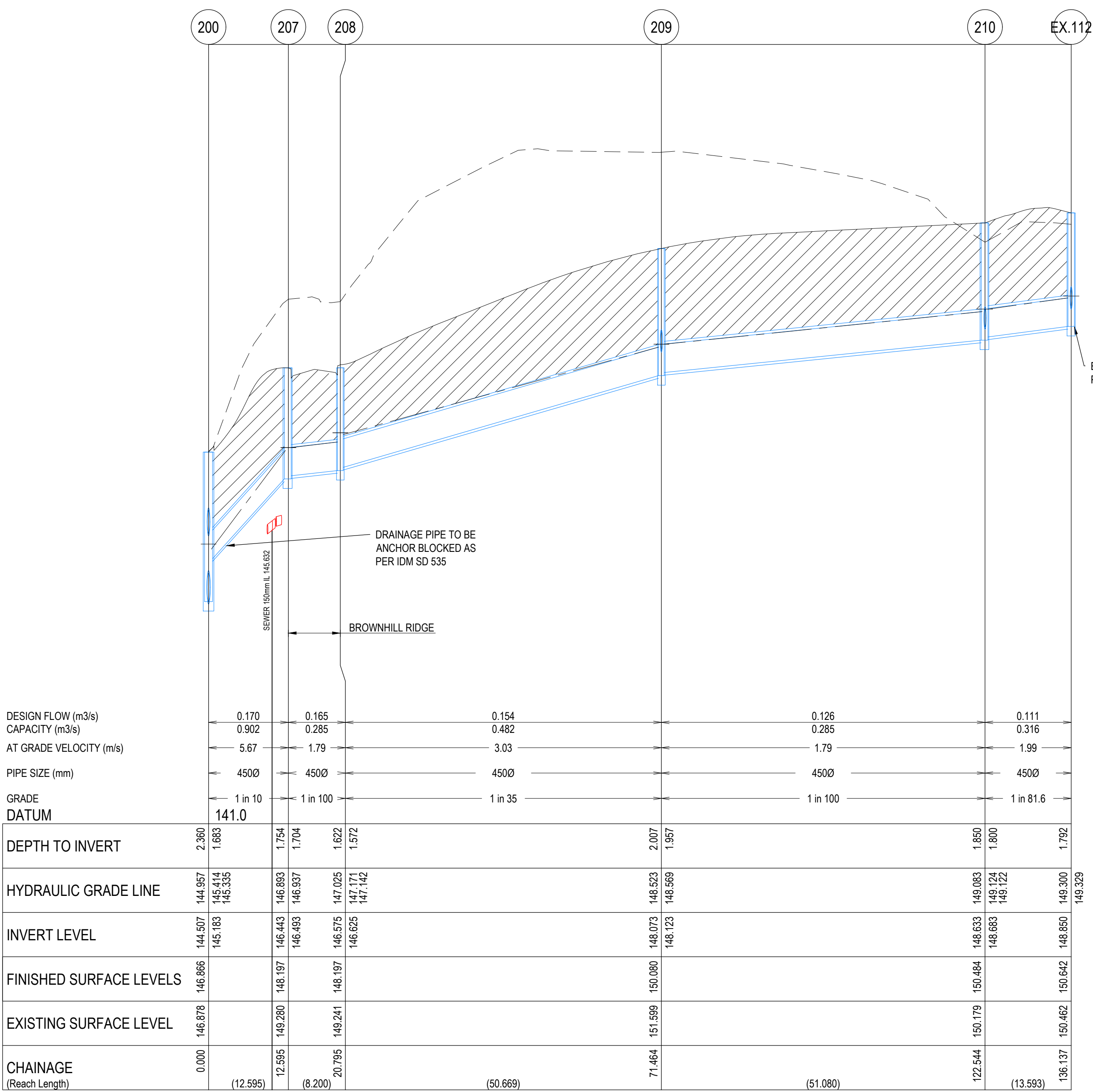
BEWARE OF UNDERGROUND & OVERHEAD SERVICES

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 Heights	WANDANA ESTATE - STAGE 2B DRAINAGE LONG SECTIONS - 1	AS CONSTRUCTED	AS SHOWN	C.ROHDE	C.ROHDE
					PROJECT ENGINEER						PROJECT MANAGER	DATE FIRST ISSUE	
					A.WALE						T.PALIOS	16/08/19	
					PROJECT No.						DRAWING No.	REVISION	
					180363.2B						R600	AC	
AC	19/20/21	AS CONSTRUCTED	C.ROHDE	M.TROUNCE	T.PALIOS								
1	13/03/20	ALTERED DRAINAGE RUN 203 - 204	C.ROHDE	M.TROUNCE	T.PALIOS								
0	18/02/20	CONSTRUCTION ISSUE	C.ROHDE	M.TROUNCE	T.PALIOS								
C	19/12/19	AMENDED AS PER COUNCIL COMMENTS (17/12/19)	C.ROHDE	A.WALE	T.PALIOS								
B	03/10/19	TENDER ISSUE	C.ROHDE	A.WALE	T.PALIOS								
A	16/08/19	ISSUED FOR APPROVAL	C.ROHDE	A.WALE	T.PALIOS								



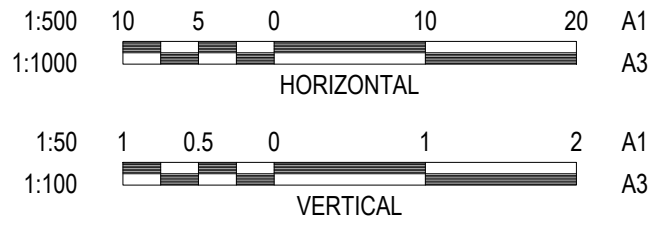
- NOTES**
- PIPE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED WITH 20mm NOM. SIZE CLASS 3 CRUSHED ROCK TO BE COMPACTED TO A DRY DENSITY NOT LESS THAN 98% MODIFIED RELATIVE COMPACTION IN 150mm THICK LAYER FOR THE FOLLOWING:
 - BENEATH DRIVEWAY CROSSOVERS TO THE UNDERSIDE OF THE PAVEMENT OR CROSSOVER.
 - 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 DUEL WALLED HDPE SN8, 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

DRAINAGE 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.

DRAINAGE PIPE TYPES

ALL STORMWATER DRAINAGE PIPES ARE TO BE A PLASTIC STORMPRO PIPE OR AN EQUIVALENT APPROVED PRODUCT.



- LEGEND**
- EXISTING SURFACE
 - DESIGN SURFACE
 - DRAINAGE PIPE/PIT
 - EXISTING DRAINAGE PIPE/PIT
 - HYDRUALIC GRADE LINE
 - CRUSHED ROCK BACKFILL
- NOTE: ALL DRAINAGE PIPES ARE DUEL WALLED HDPE PIPE SN8 TYPE UNLESS OTHERWISE SHOWN




WARNING

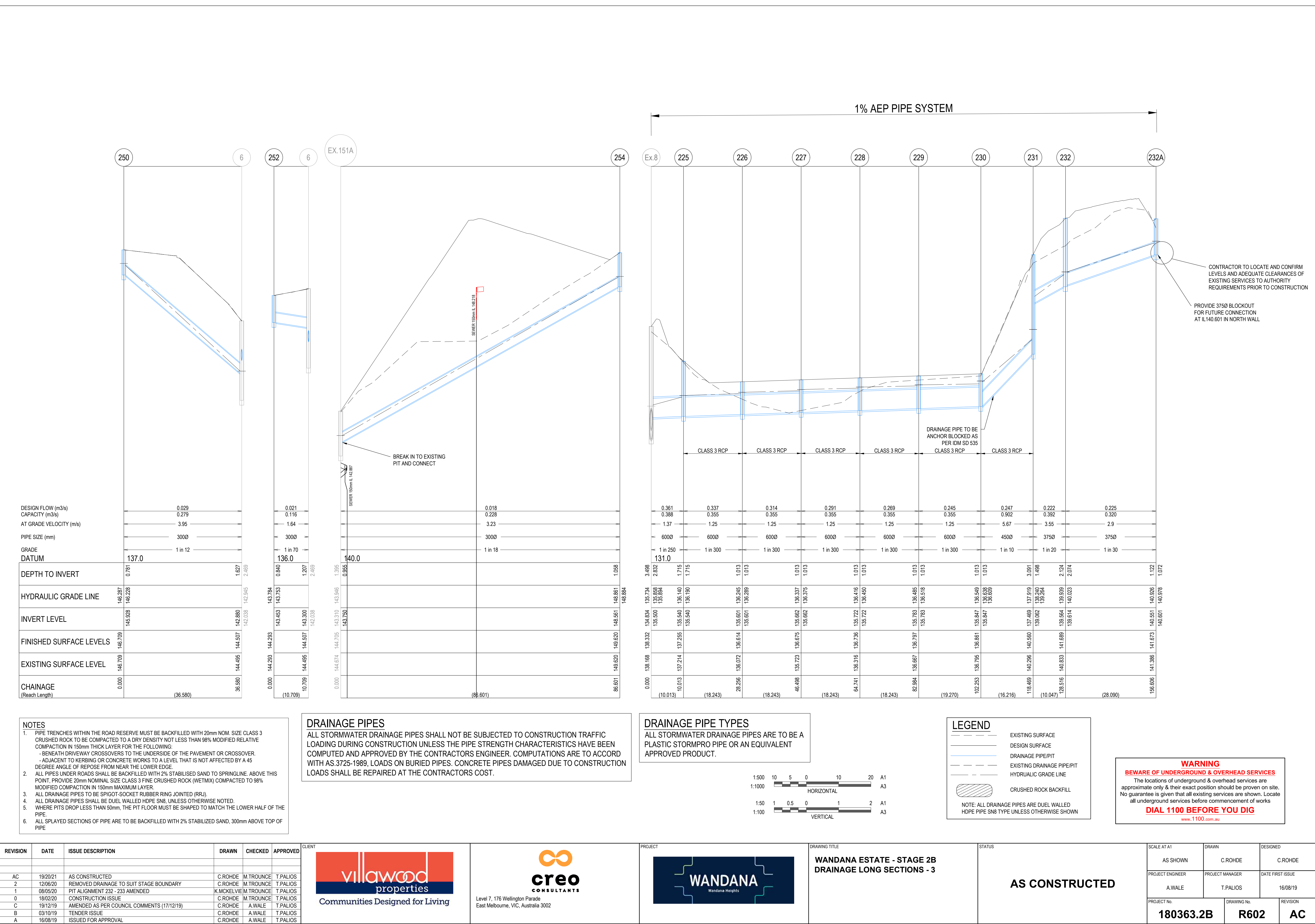
BEWARE OF UNDERGROUND & OVERHEAD SERVICES

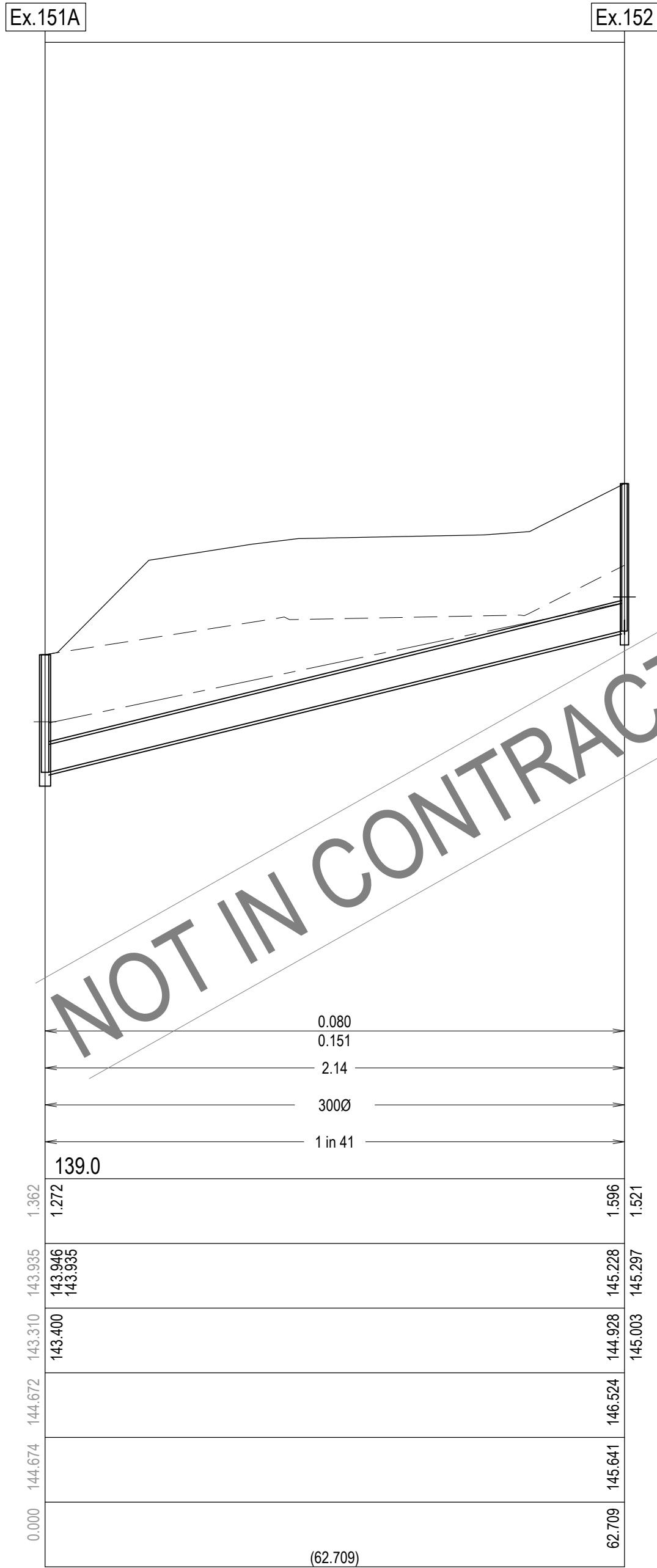
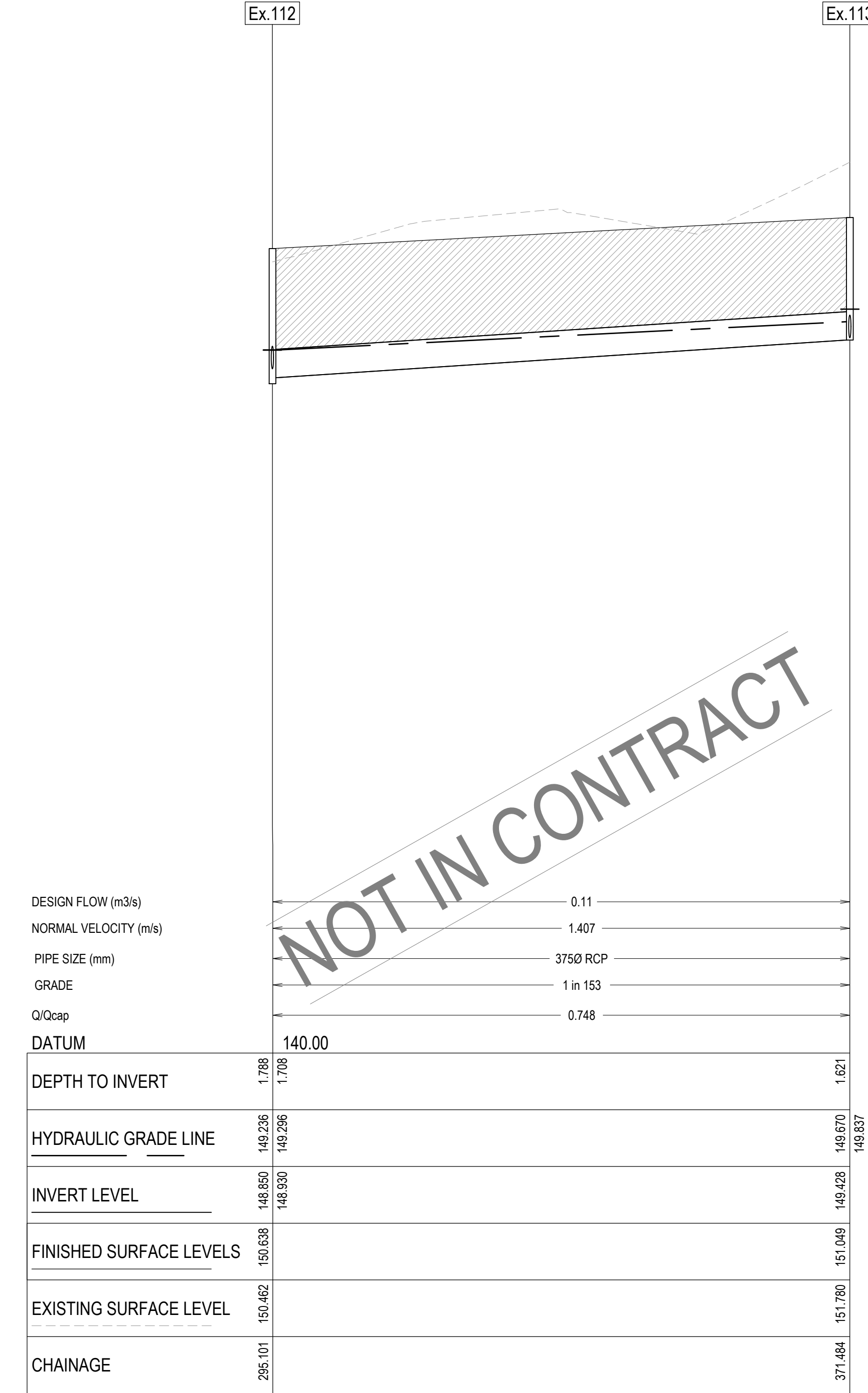
The locations of underground & overhead services are approximate only & their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works

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 Heights	WANDANA ESTATE - STAGE 2B DRAINAGE LONG SECTIONS - 2	AS CONSTRUCTED	AS SHOWN	C.ROHDE	C.ROHDE			
					PROJECT ENGINEER						PROJECT MANAGER	DATE FIRST ISSUE				
					A.WALE						T.PALIOS	16/08/19				
AC	19/20/21	AS CONSTRUCTED	C.ROHDE	M.TROUNCE	T.PALIOS											
0	18/02/20	CONSTRUCTION ISSUE	C.ROHDE	M.TROUNCE	T.PALIOS											
C	19/12/19	AMENDED AS PER COUNCIL COMMENTS (17/12/19)	C.ROHDE	A.WALE	T.PALIOS											
B	03/10/19	TENDER ISSUE	C.ROHDE	A.WALE	T.PALIOS											
A	16/08/19	ISSUED FOR APPROVAL	C.ROHDE	A.WALE	T.PALIOS											
										PROJECT No.	DRAWING No.	REVISION				
										180363.2B	R601	AC				






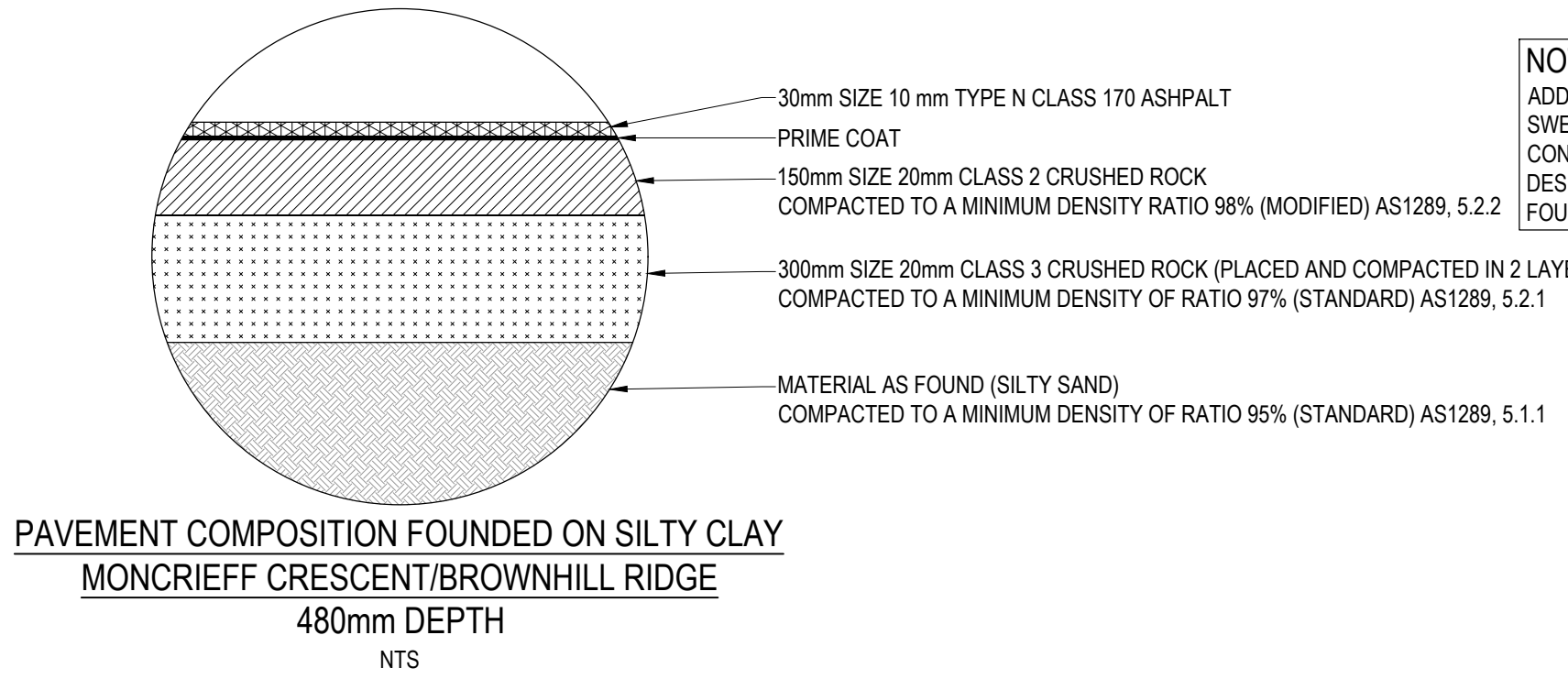


PIT SCHEDULE											
PIT NUMBER	TYPE	INTERNAL		INLET		OUTLET		COVER LEVEL (m)	DEPTH (m)	STANDARD DRAWING	REMARKS
		WIDTH (mm)	LENGTH (mm)	DIA. (mm)	INVERT RL (m)	DIA. (mm)	INVERT RL (m)				
197	JUNCTION PIT	900	900	525	142.132	525	142.082	144.257	2.175	AS PER IDM SD 420 & SD 410	PIT TO BE HAUNCHED TO 600 x 900 COVER IN ACCORDANCE WITH IDM SD 410
198	JUNCTION PIT	900	900	525	142.277	525	142.227	144.324	2.098	AS PER IDM SD 420 & SD 410	PIT TO BE HAUNCHED TO 600 x 900 COVER IN ACCORDANCE WITH IDM SD 410
				225	142.827						
199	JUNCTION PIT	900	900	450	142.801	525	142.751	144.647	1.897	AS PER IDM SD 420 & IDM SD 410	PIT TO BE HAUNCHED TO 600 x 900 COVER IN ACCORDANCE WITH IDM SD 410
				300	142.951						
200	SIDE ENTRY PIT	900	900	375	145.577	450	144.507	146.866	2.360	AS PER IDM SD 430 & IDM SD 410	PIT TO BE HAUNCHED TO 600 x 900 COVER IN ACCORDANCE WITH IDM SD 410
				450	145.183						
201	JUNCTION PIT	600	900	375	146.275	375	146.225	148.850	2.625	AS PER IDM SD 420	FLAG AND PROVIDE TEMPORARY COVER UNTIL STAGE 2A WORKS COMMENCE AND LEVELS ARE CONFIRMED
				300	146.914						
202	JUNCTION PIT	600	900	300	147.969	375	146.734	149.695	2.961	AS PER IDM SD 420	FLAG AND PROVIDE TEMPORARY COVER UNTIL STAGE 2A WORKS COMMENCE AND LEVELS ARE CONFIRMED
				300	147.234						
203	JUNCTION PIT	600	900	300	149.173	300	149.143	151.094	1.952	AS PER IDM SD 420	FLAG AND PROVIDE TEMPORARY COVER UNTIL STAGE 2A WORKS COMMENCE AND LEVELS ARE CONFIRMED
				300	149.343						
204	GRADED PIT	600	900			300	149.228	151.331	2.104	AS PER IDM SD 425 WITH GRATE	
207	SIDE ENTRY PIT	900	900	450	146.493	450	146.443	148.197	1.754	AS PER IDM SD 430 & IDM SD 410	PIT TO BE HAUNCHED TO 600 x 900 COVER IN ACCORDANCE WITH IDM SD 410
208	SIDE ENTRY PIT	900	900	450	146.625	450	146.575	148.197	1.622	AS PER IDM SD 430 & IDM SD 410	PIT TO BE HAUNCHED TO 600 x 900 COVER IN ACCORDANCE WITH IDM SD 410
209	SIDE ENTRY PIT	900	900	450	148.123	450	148.073	150.080	2.007	AS PER IDM SD 430 & IDM SD 410	PIT TO BE HAUNCHED TO 600 x 900 COVER IN ACCORDANCE WITH IDM SD 410
				300	148.473						
210	SIDE ENTRY PIT	900	900	450	148.683	450	148.633	150.484	1.850	AS PER IDM SD 430 & IDM SD 410	PIT TO BE HAUNCHED TO 600 x 900 COVER IN ACCORDANCE WITH IDM SD 410
				300	148.833						
Ex.112	Ex.PIT			375	148.930	450	148.850	150.642	1.792	-	BREAK IN AND CONNECT TO EXISTING PIT.
				300	149.150						
Ex.127	Ex.PIT					300	149.232	150.642	1.410	-	BREAK IN AND CONNECT TO EXISTING PIT. MODIFY BASE TO SUIT NEW INVERT LEVEL
219	SIDE ENTRY PIT	600	900			300	148.915	150.484	1.568	AS PER IDM SD 430	
220	SIDE ENTRY PIT	600	900			300	148.555	150.080	1.525	AS PER IDM SD 430	
221	DOUBLE SIDE ENTRY PIT	600	1900			300	143.033	144.387	1.355	AS PER IDM SD 445	
222	JUNCTION PIT	600	900			225	149.120	150.315	1.195	AS PER IDM SD 425	
223	SIDE ENTRY PIT	600	900	300	144.967	300	144.767	146.260	1.493	AS PER IDM SD 430	
224	SIDE ENTRY PIT	600	900			300	145.050	146.275	1.224	AS PER IDM SD 430	
225	GRADED PIT	600	900	600	135.540	600	135.540	137.255	1.715	AS PER IDM SD 455	PROPERTY HOUSE DRAIN CONNECTION TO GO DIRECTLY INTO PIT. NO PROPERTY OUTLET COLLECTION PIT NECESSARY
226	GRADED PIT	600	900	600	135.601	600	135.601	136.614	1.013	AS PER IDM SD455	PROPERTY HOUSE DRAIN CONNECTION TO GO DIRECTLY INTO PIT. NO PROPERTY OUTLET COLLECTION PIT NECESSARY
227	GRADED PIT	600	900	600	135.662	600	135.662	136.675	1.013	AS PER IDM SD455	PROPERTY HOUSE DRAIN CONNECTION TO GO DIRECTLY INTO PIT. NO PROPERTY OUTLET COLLECTION PIT NECESSARY
228	GRADED PIT	600	900	600	135.722	600	135.722	136.736	1.013	AS PER IDM SD 455	PROPERTY HOUSE DRAIN CONNECTION TO GO DIRECTLY INTO PIT. NO PROPERTY OUTLET COLLECTION PIT NECESSARY
229	GRADED PIT	600	900	600	135.783	600	135.783	136.797	1.013	AS PER IDM SD 455	PROPERTY HOUSE DRAIN CONNECTION TO GO DIRECTLY INTO PIT. NO PROPERTY OUTLET COLLECTION PIT NECESSARY
230	GRADED PIT	900	900	450	135.847	600	135.847	136.861	1.013	AS PER IDM SD 425 WITH GRATE	
231	GRADED PIT	900	900	375	139.062	450	137.469	140.560	3.091	AS PER IDM SD 455	PROPERTY HOUSE DRAIN CONNECTION TO GO DIRECTLY INTO PIT. NO PROPERTY OUTLET COLLECTION PIT NECESSARY. PIT TO BE HAUNCHED TO 600x900 COVER
232	JUNCTION PIT	900	900	375	139.614	375	139.564	141.689	2.124	AS PER IDM SD 425	PIT TO BE HAUNCHED TO 600x900 COVER
232A	JUNCTION PIT	600	900	375	140.601	375	140.551	141.673	1.122	AS PER IDM SD 425	
250	JUNCTION PIT	600	900			300	145.928	146.709	0.781	AS PER IDM SD 425	
252	GRADED PIT	600	900			300	143.453	144.293	0.840	AS PER IDM SD 425 WITH GRATE	
254	JUNCTION PIT	600	900			300	148.561	149.620	1.058	AS PER IDM SD 425	

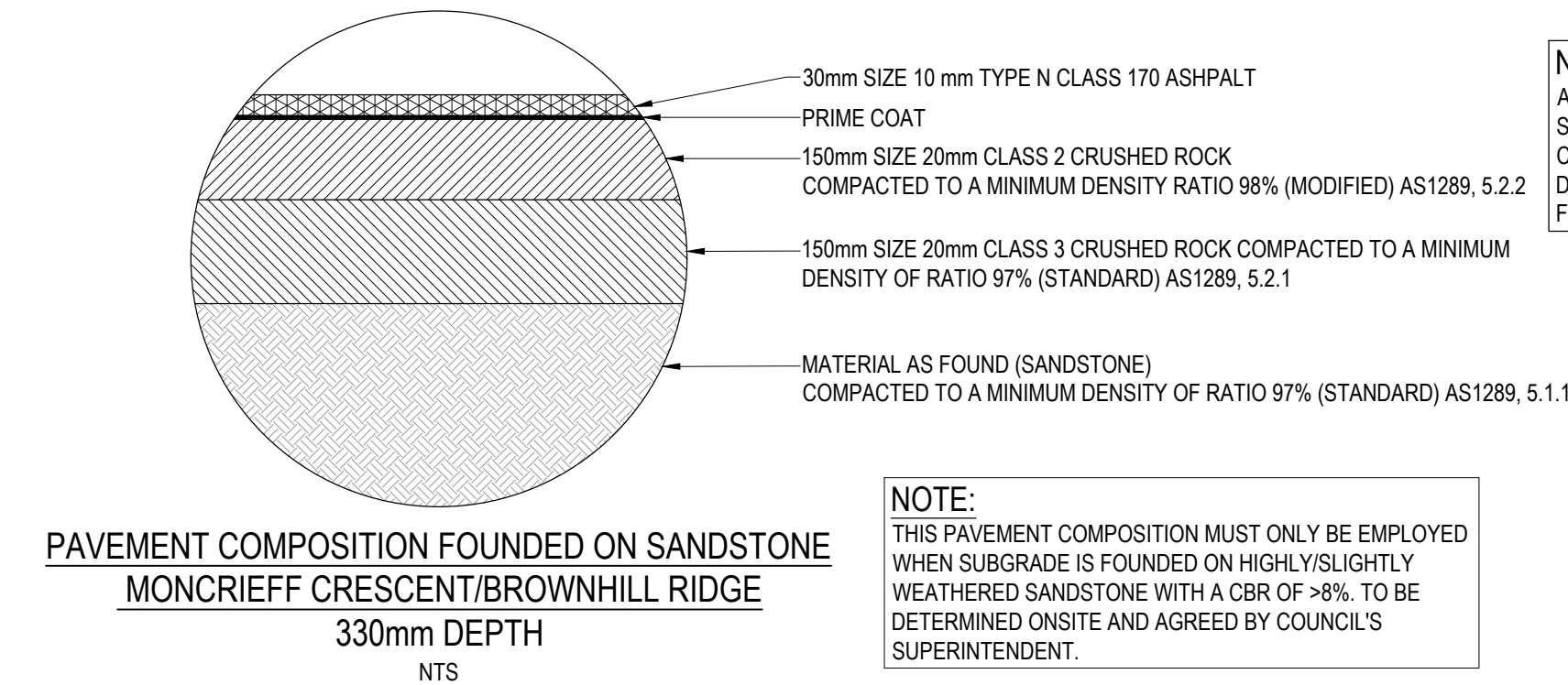
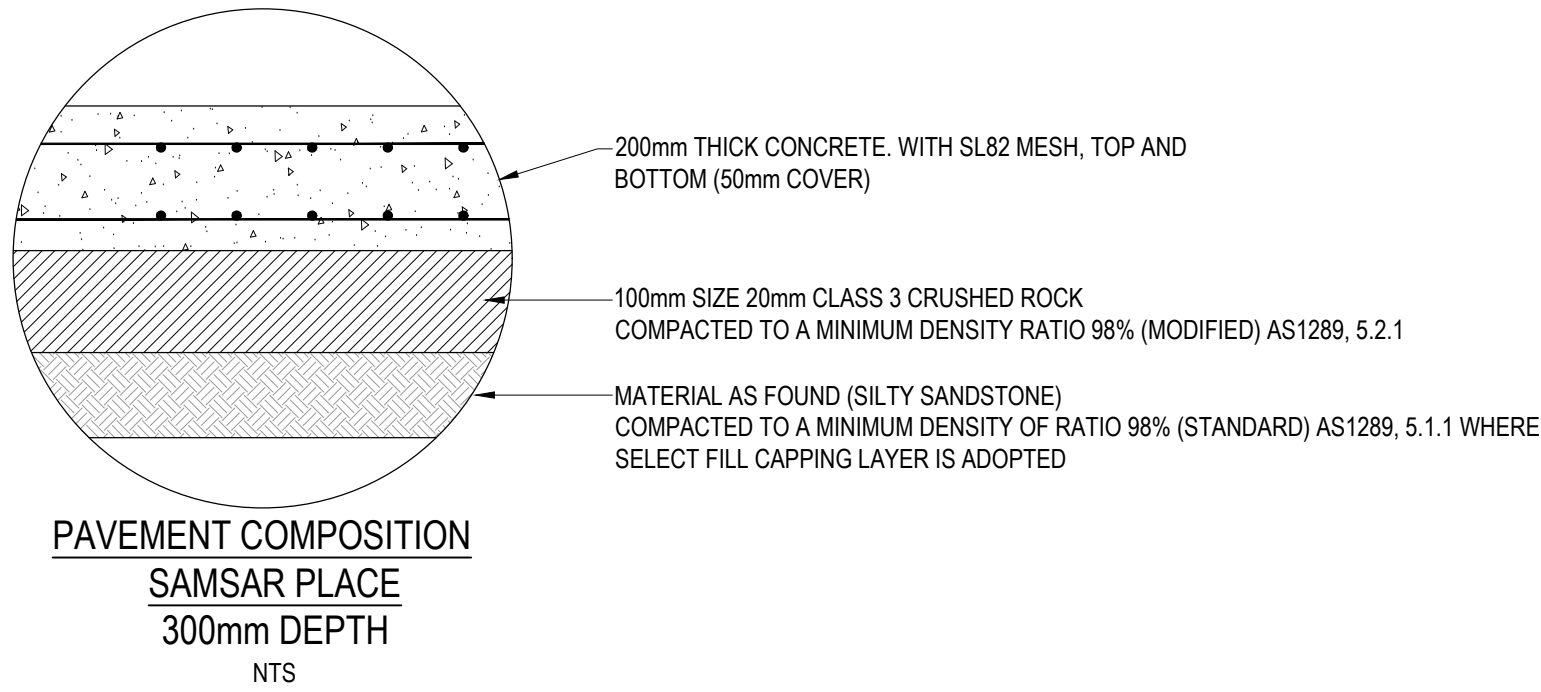
NOTE:
PIT COVERS ARE TO BE PROVIDED IN ACCORDANCE WITH CITY OF GREATER GEELONG DESIGN NOTE 13. ALL PITs WITHIN ROAD RESERVE ARE TO BE CLASS C FIBREGLASS REINFORCED PLASTIC (FRP) UNLESS AGREED OTHERWISE.

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

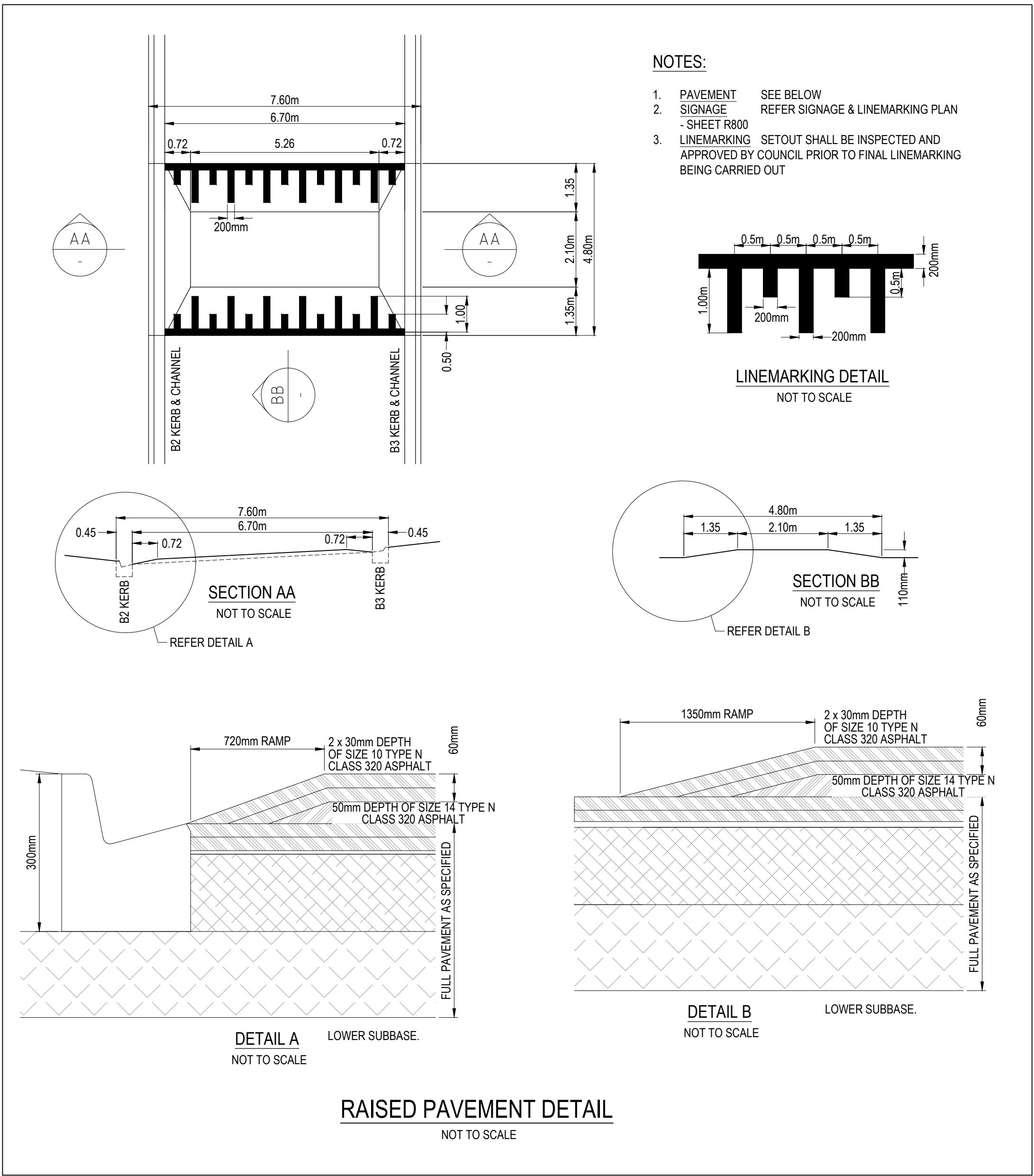
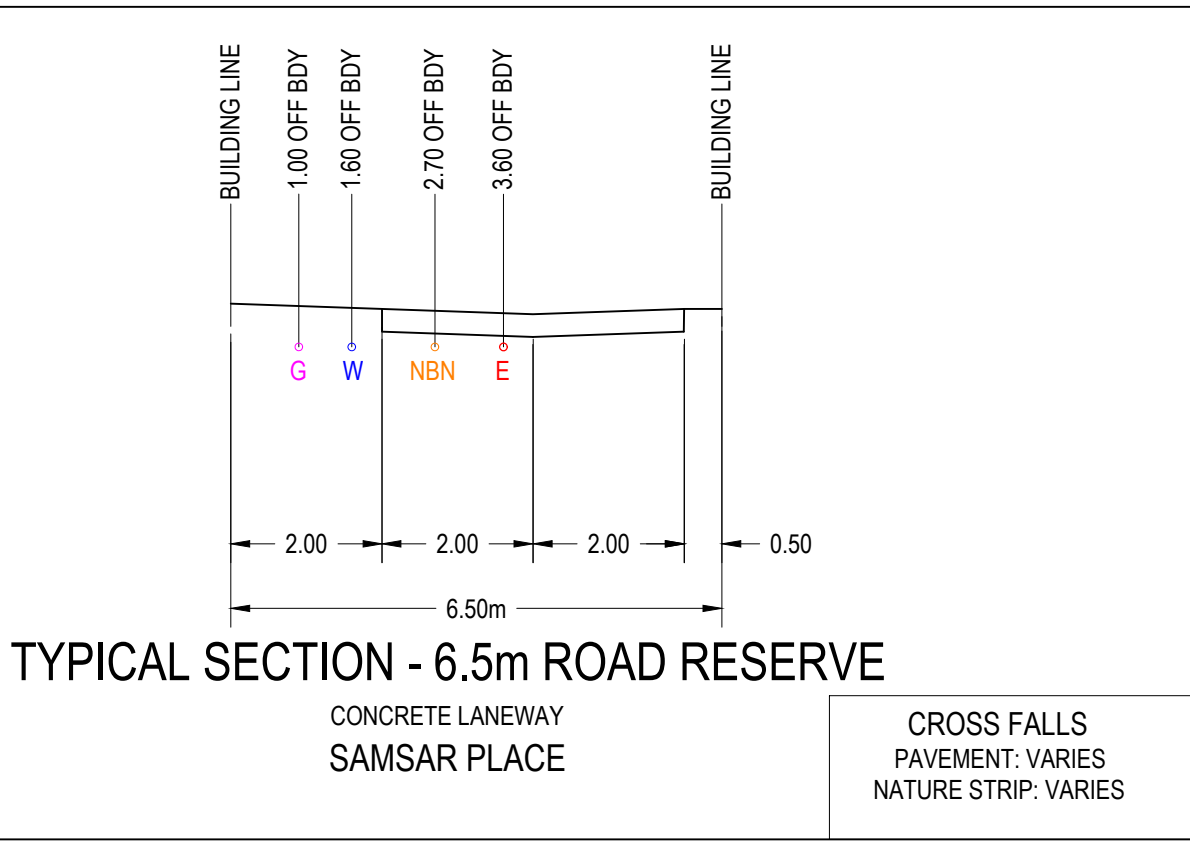
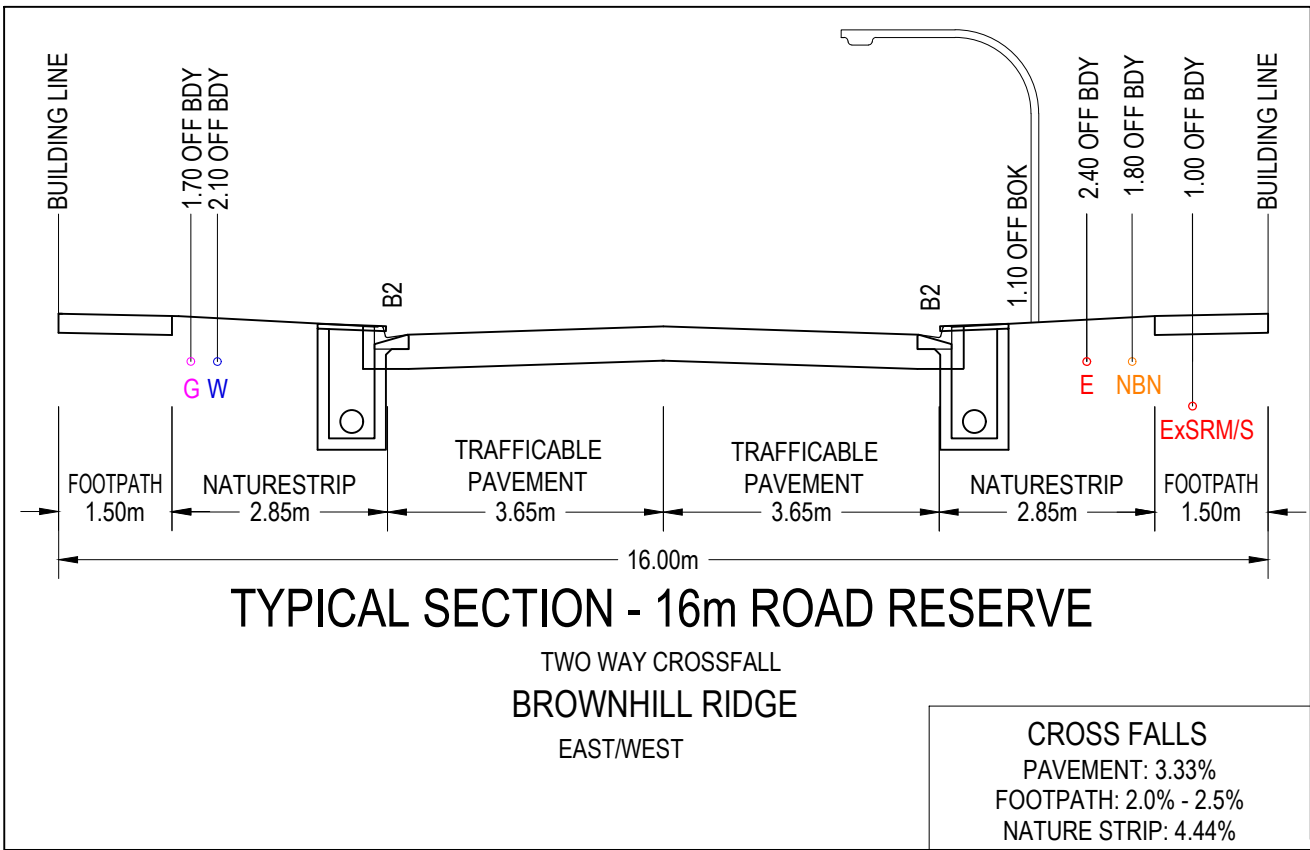
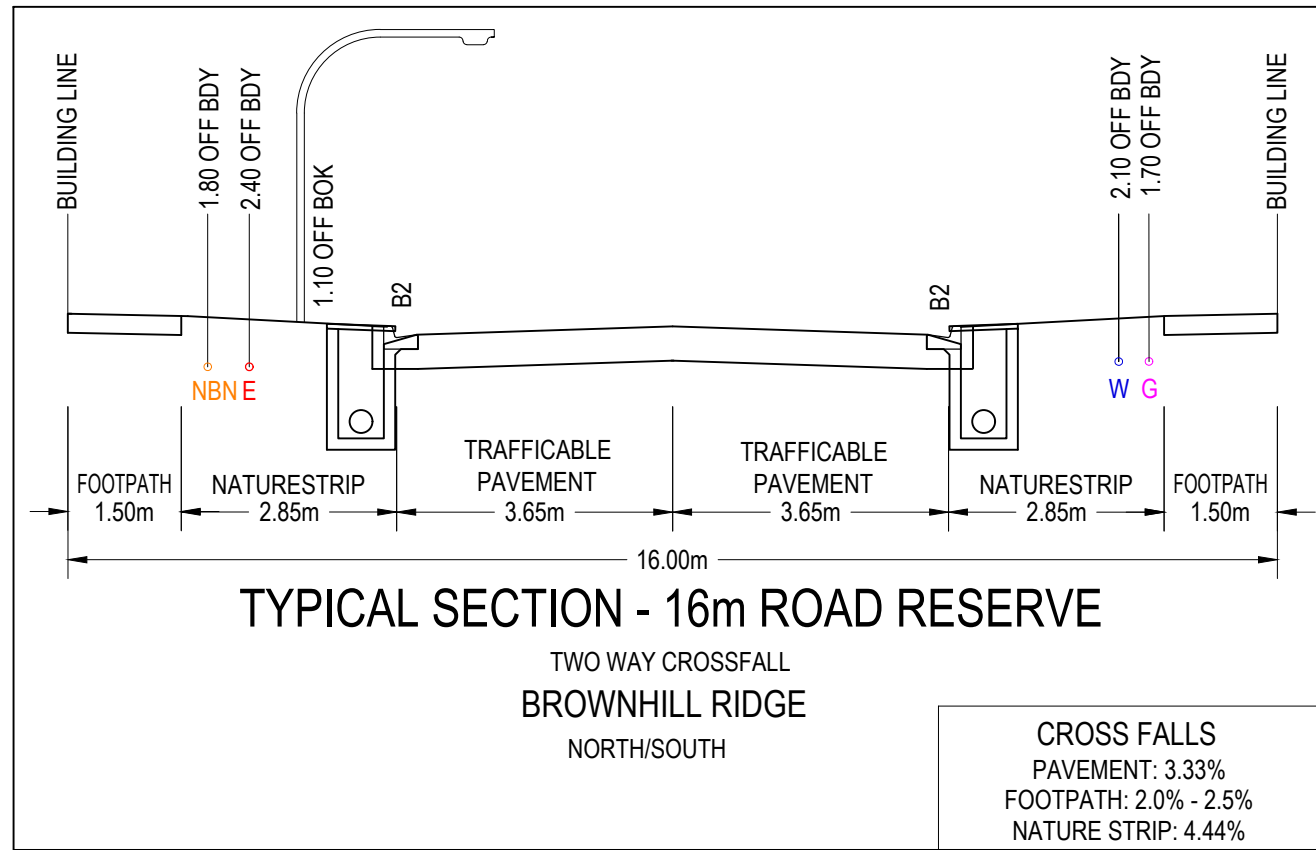
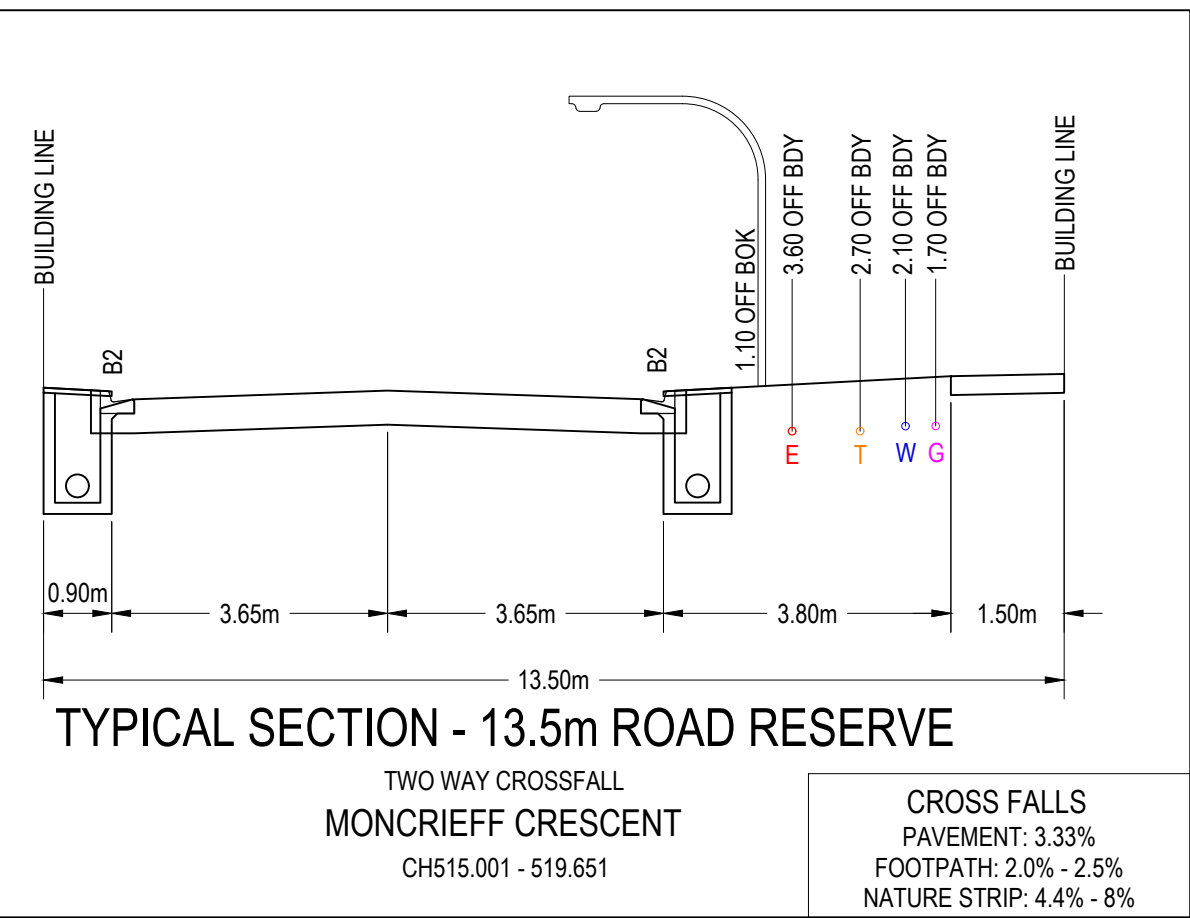
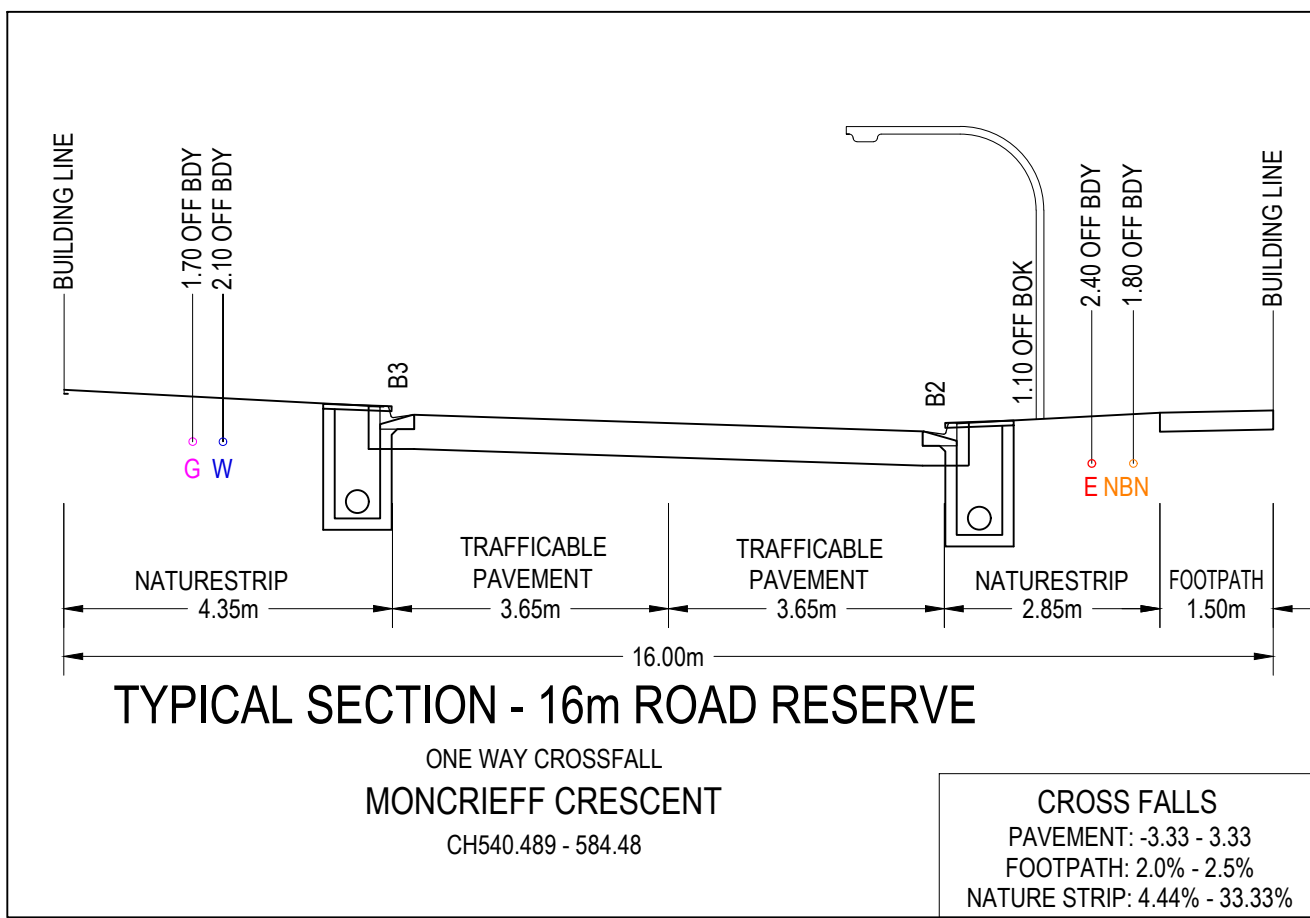
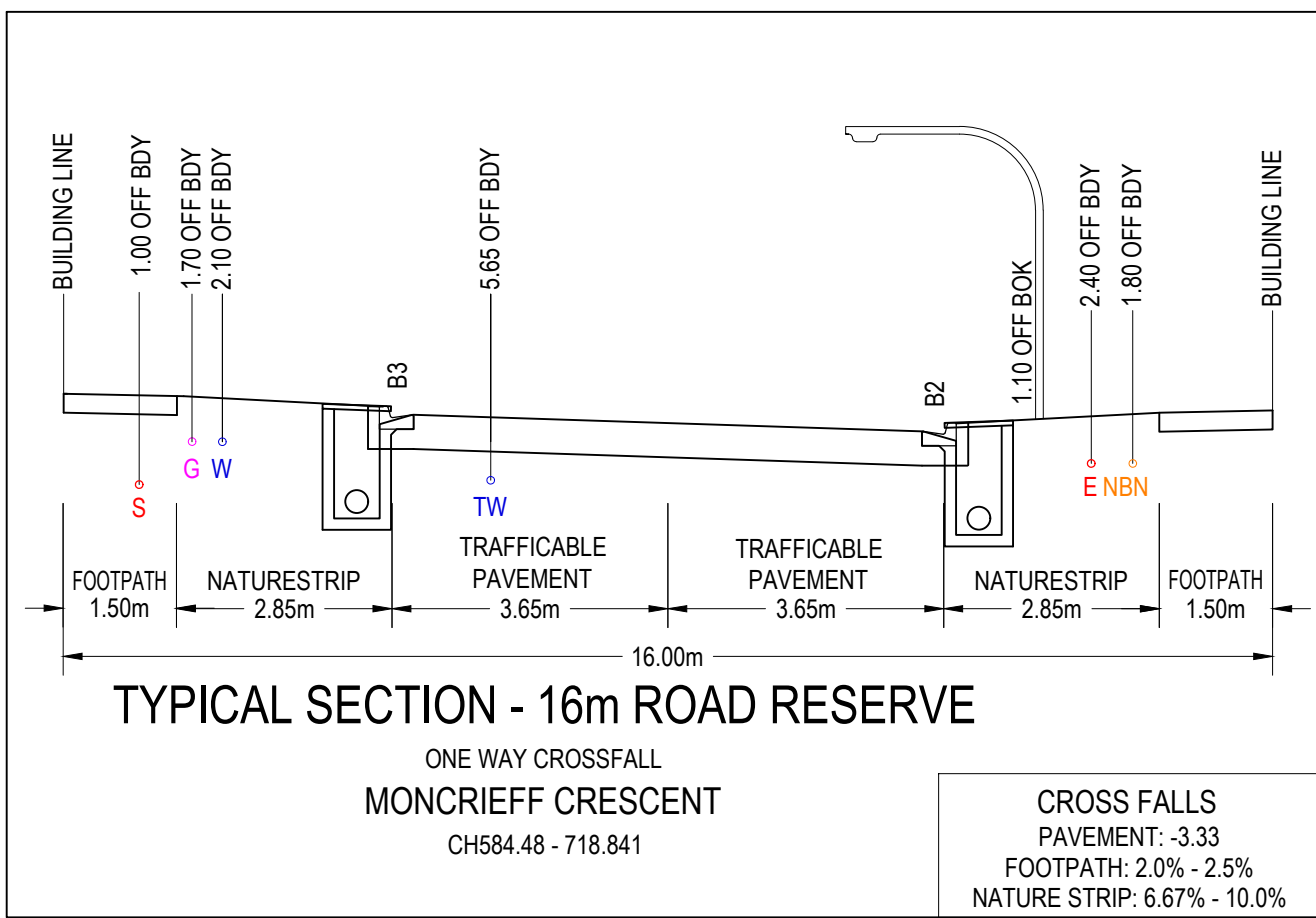
REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED		
AC	19/20/21	AS CONSTRUCTED	C.ROHDE	M.TROUNCE	T.PALIOS	 Communities Designed for Living	 Level 7, 176 Wellington Parade East Melbourne, VIC, Australia 3002		WANDANA ESTATE - STAGE 2B DRAINAGE PIT SCHEDULE	AS CONSTRUCTED	NTS	C.ROHDE	C.ROHDE	
3	12/06/20	REMOVED DRAINAGE TO SUIT STAGE BOUNDARY	C.ROHDE	M.TROUNCE	T.PALIOS						PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE	
2	08/05/20	PIT 232A & 232B ADDED	K.MCKELVIE	M.TROUNCE	T.PALIOS						A.WALE	T.PALIOS	16/08/19	
1	13/03/20	ALTERED DRAINAGE RUN 203 - 204	C.ROHDE	M.TROUNCE	T.PALIOS						PROJECT No.		DRAWING No.	REVISION
0	18/02/20	CONSTRUCTION ISSUE	C.ROHDE	M.TROUNCE	T.PALIOS						180363.2B		R603	AC
C	19/12/19	AMENDED AS PER COUNCIL COMMENTS (17/12/19)	C.ROHDE	A.WALE	T.PALIOS									
B	03/10/19	TENDER ISSUE	C.ROHDE	A.WALE	T.PALIOS									
A	16/08/19	ISSUED FOR APPROVAL	C.ROHDE	A.WALE	T.PALIOS									



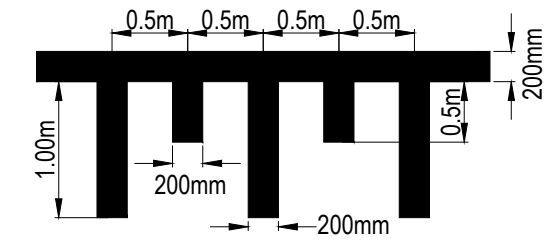
NOTE:
ADDITIONAL ON SITE GEOTECHNICAL TESTING FOR SWELL IS REQUIRED TO BE CONDUCTED PRIOR TO CONSTRUCTION OF PAVEMENT SUBGRADE. THE DESIGN ENGINEER IS TO BE NOTIFIED IF SWELL IS FOUND TO BE GREATER THAN 2.5%.



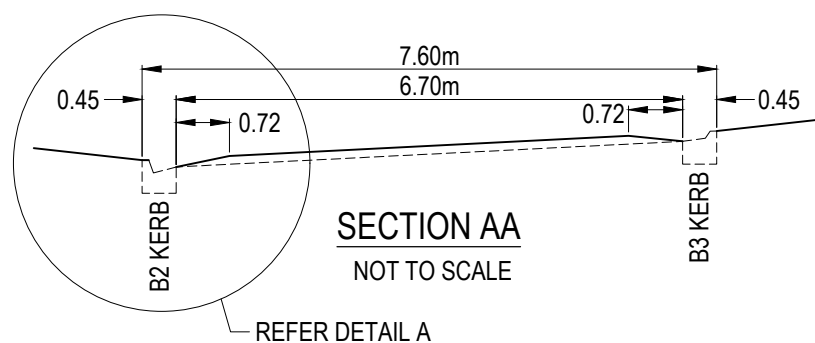
NOTE:
THIS PAVEMENT COMPOSITION MUST ONLY BE EMPLOYED WHEN SUBGRADE IS FOUNDED ON HIGHLY/SLIGHTLY WEATHERED SANDSTONE WITH A CBR OF >8%. TO BE DETERMINED ONSITE AND AGREED BY COUNCIL'S SUPERINTENDENT.



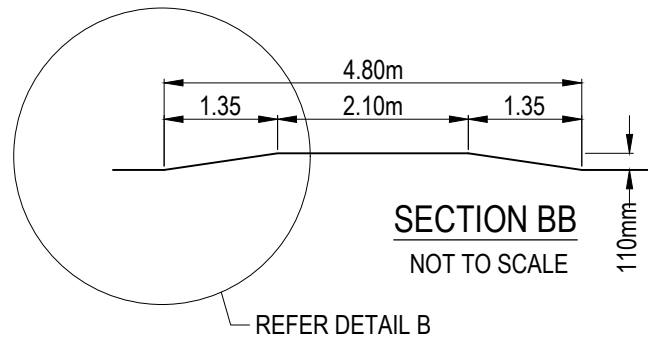
- NOTES:
1. PAVEMENT SEE BELOW
 2. SIGNAGE REFER SIGNAGE & LINEMARKING PLAN - SHEET R800
 3. LINEMARKING SETOUT SHALL BE INSPECTED AND APPROVED BY COUNCIL PRIOR TO FINAL LINEMARKING BEING CARRIED OUT



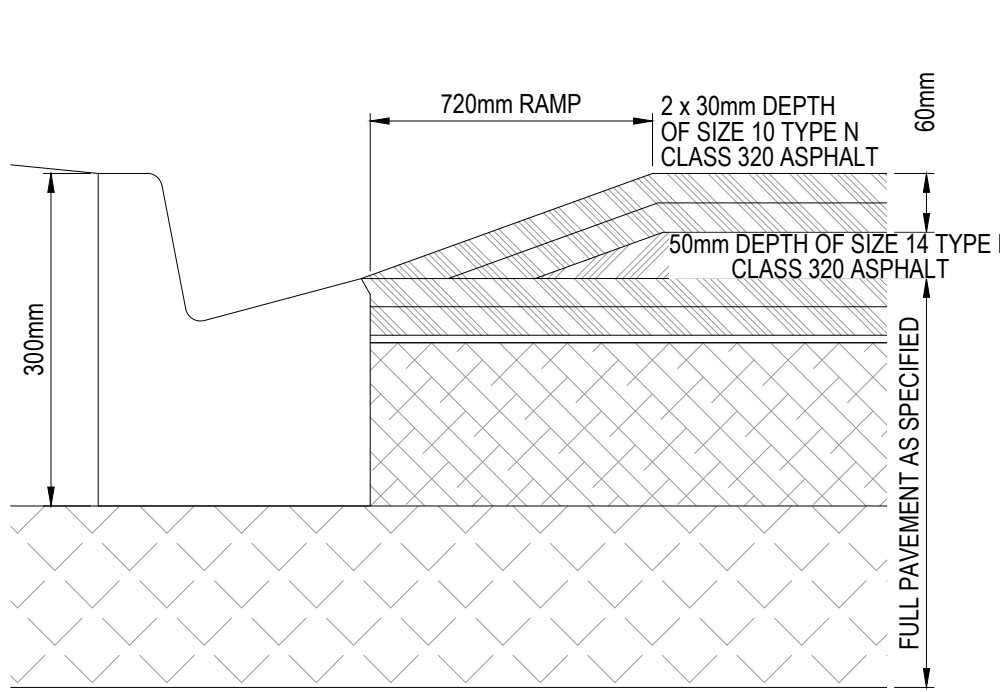
LINEMARKING DETAIL
NOT TO SCALE



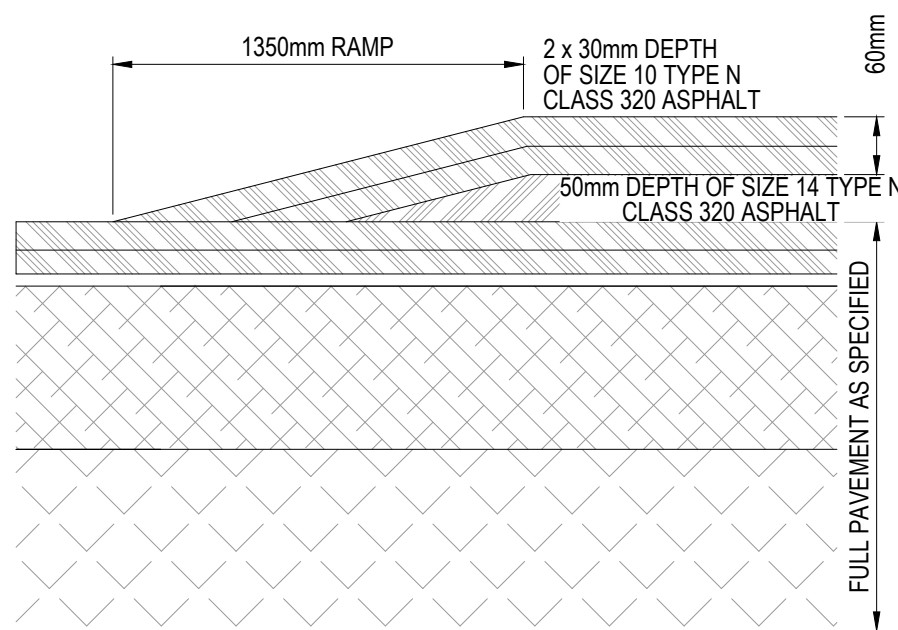
SECTION AA
NOT TO SCALE



SECTION BB
NOT TO SCALE



DETAIL A
NOT TO SCALE



DETAIL B
NOT TO SCALE

RAISED PAVEMENT DETAIL
NOT TO SCALE

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

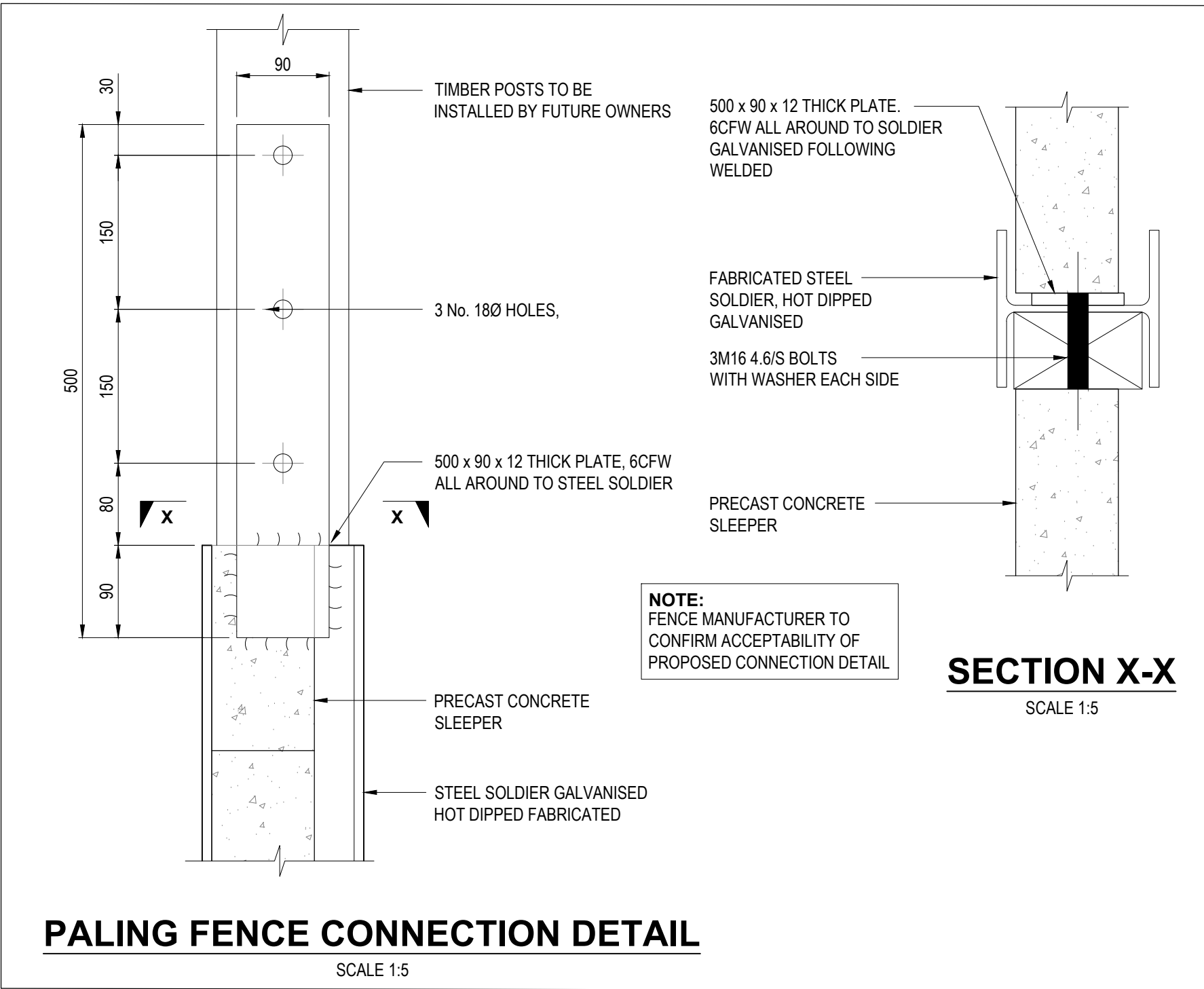
REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
AC	19/20/21	AS CONSTRUCTED	C.ROHDE	M.TROUNCE	T.PALIOS
1	17/04/20	LANEWAY NAME CHANGE AND GAS OFFSET CHANGE	C.ROHDE	M.TROUNCE	T.PALIOS
0	18/02/20	CONSTRUCTION ISSUE	C.ROHDE	M.TROUNCE	T.PALIOS
C	19/12/19	AMENDED AS PER COUNCIL COMMENTS (17/12/19)	C.ROHDE	A.WALE	T.PALIOS
B	03/10/19	TENDER ISSUE	C.ROHDE	A.WALE	T.PALIOS
A	16/08/19	ISSUED FOR APPROVAL	C.ROHDE	A.WALE	T.PALIOS



DRAWING TITLE
**WANDANA ESTATE - STAGE 2B
TYPICAL DETAILS**

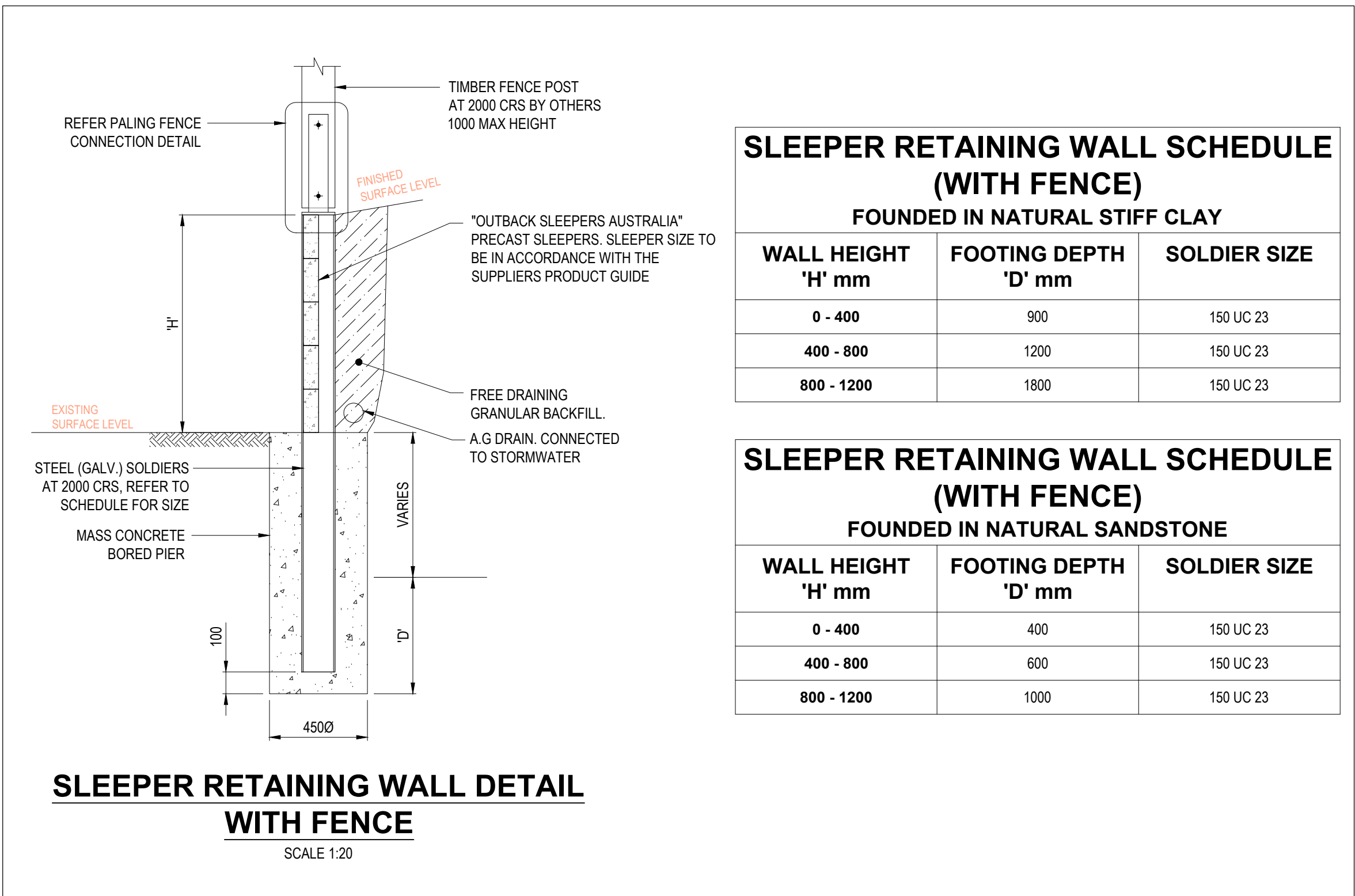
STATUS
AS CONSTRUCTED

SCALE AT A1 NTS	DRAWN C.ROHDE	DESIGNED C.ROHDE
PROJECT ENGINEER A.WALE	PROJECT MANAGER T.PALIOS	DATE FIRST ISSUE 16/08/19
PROJECT No. 180363.2B	DRAWING No. R700	REVISION AC



PALING FENCE CONNECTION DETAIL

SCALE 1:5



SLEEPER RETAINING WALL DETAIL
WITH FENCE

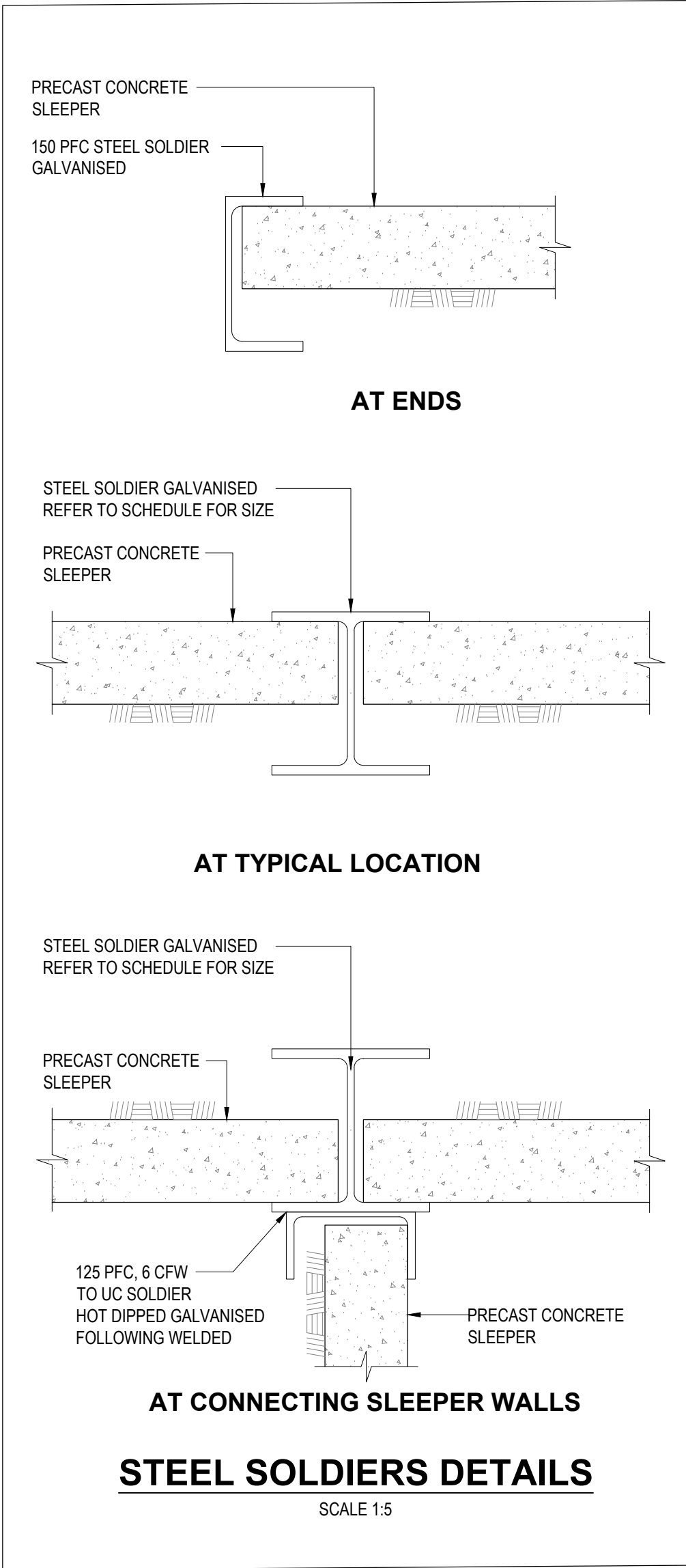
SCALE 1:20

SLEEPER RETAINING WALL SCHEDULE
(WITH FENCE)
FOUNDED IN NATURAL STIFF CLAY

WALL HEIGHT 'H' mm	FOOTING DEPTH 'D' mm	SOLDIER SIZE
0 - 400	900	150 UC 23
400 - 800	1200	150 UC 23
800 - 1200	1800	150 UC 23

SLEEPER RETAINING WALL SCHEDULE
(WITH FENCE)
FOUNDED IN NATURAL SANDSTONE

WALL HEIGHT 'H' mm	FOOTING DEPTH 'D' mm	SOLDIER SIZE
0 - 400	400	150 UC 23
400 - 800	600	150 UC 23
800 - 1200	1000	150 UC 23



STEEL SOLDIERS DETAILS

SCALE 1:5

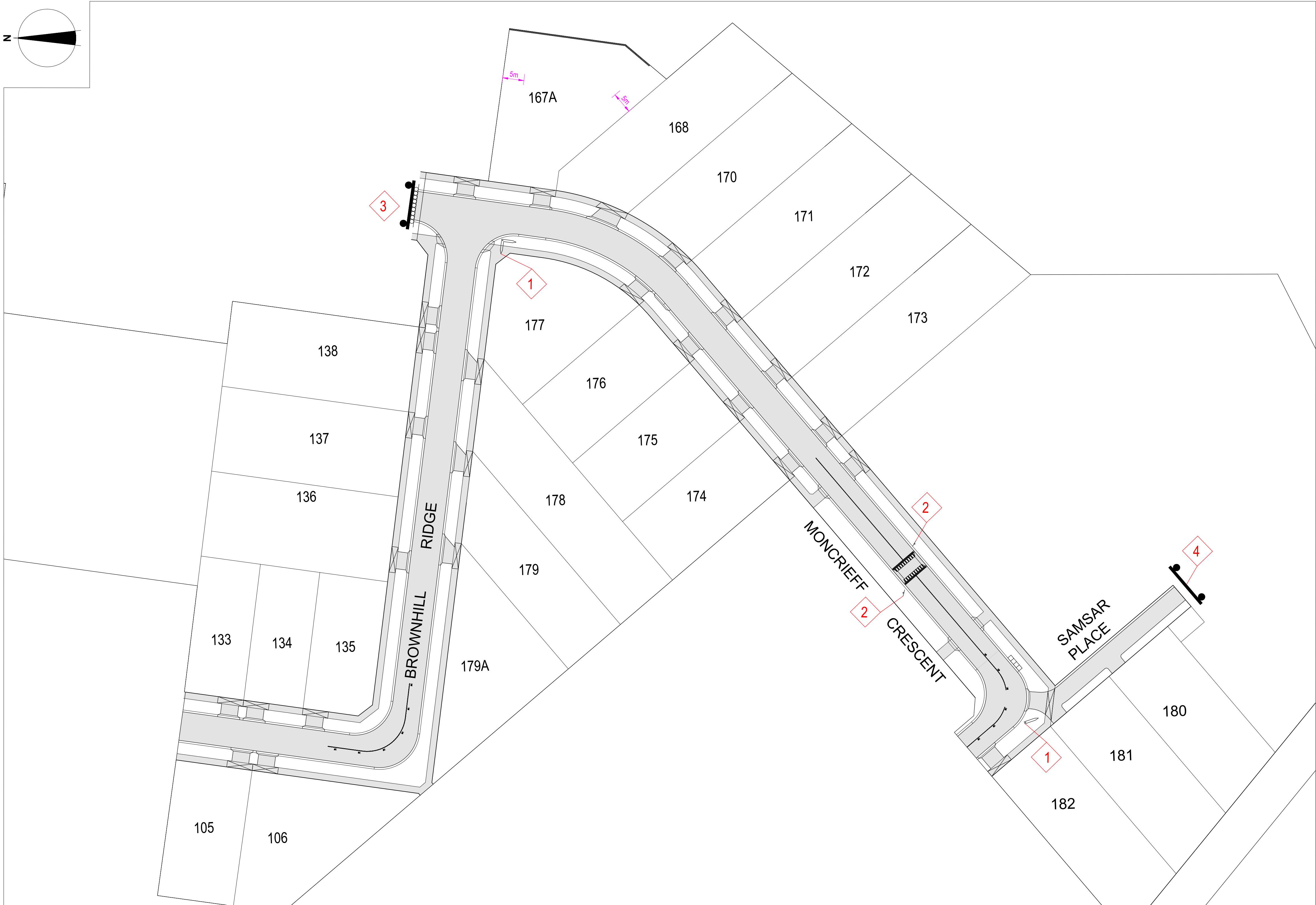
REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
AC	19/20/21	AS CONSTRUCTED	C.ROHDE	M.TROUNCE	T.PALIOS
0	23/07/20	CONSTRUCTION ISSUE	M.T.	M.T.	T.P.



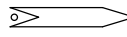
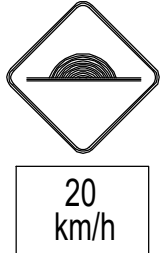



WANDANA ESTATE - STAGE 2B
RETAINING WALL DETAILS

AS CONSTRUCTED

SCALE AT A1	DRAWN	DESIGNED
AS SHOWN	C.ROHDE	C.ROHDE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
A.WALE	T.PALIOS	16/08/19
PROJECT No.	DRAWING No.	REVISION
180363.2B	R701	AC



SIGN SCHEDULE

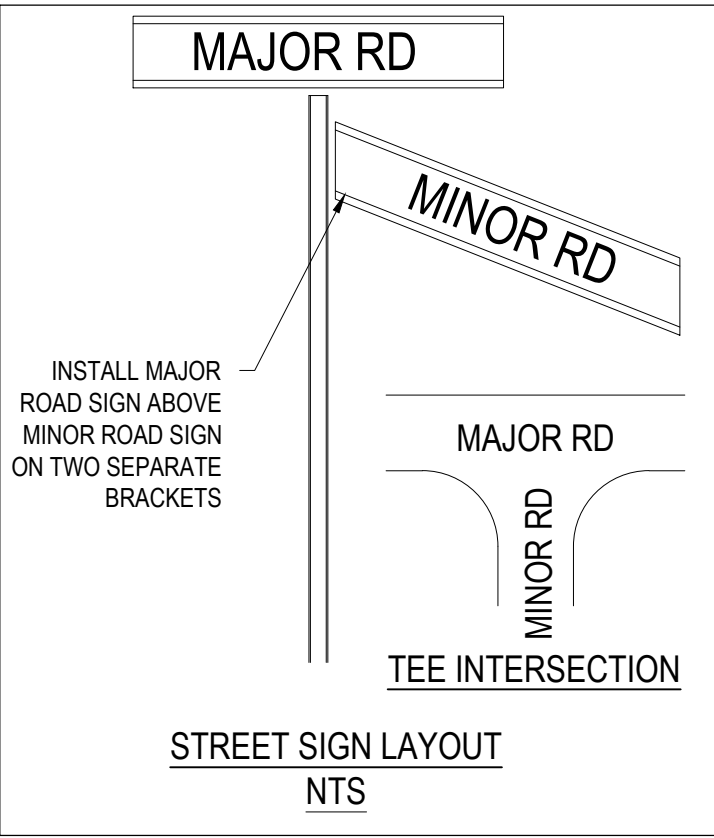
SIGN	REF	QUANTITY
	1	REFER TABLE
STREET SIGN		
 WS-10A WB-2A	2	2No.
 T2-4A 	3	1No.
	4	1No.

STREET SIGN SCHEDULE

BROWNHILL RIDGE	1No.
MONCRIEFF CR	1No.
SAMSAR PL	1No.

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.



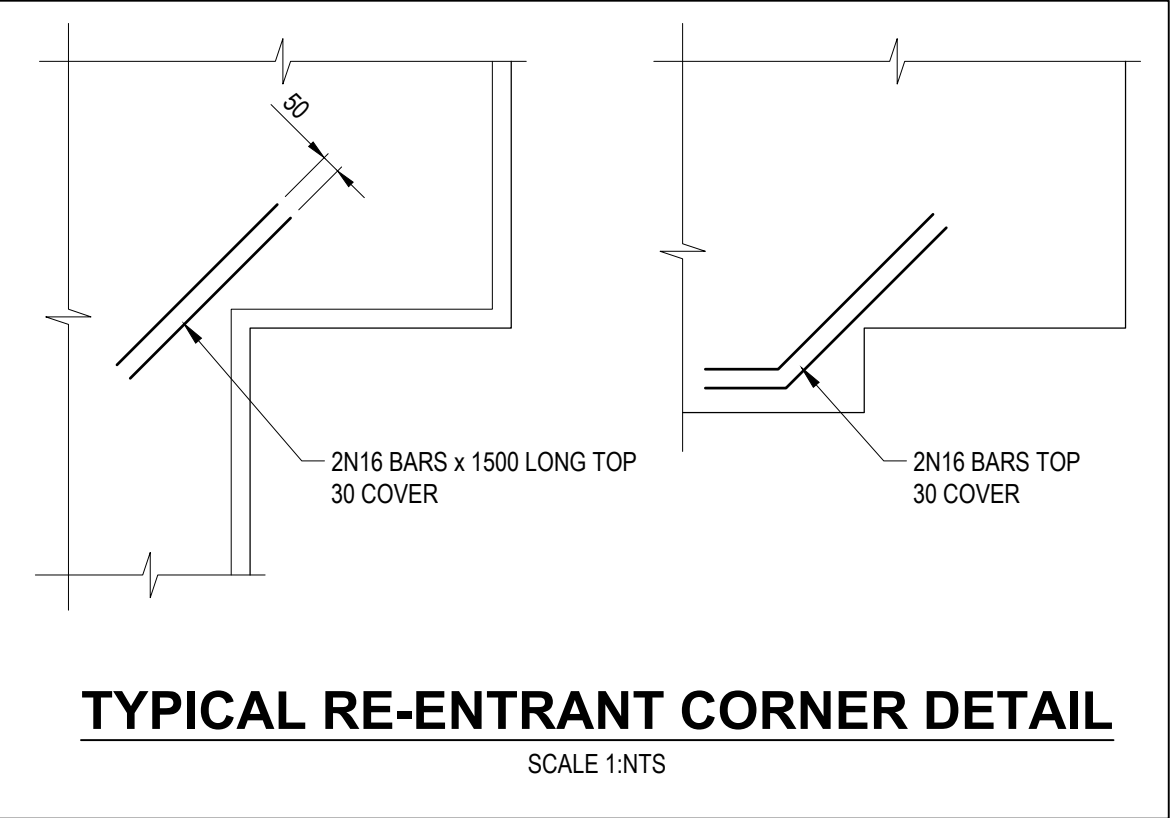
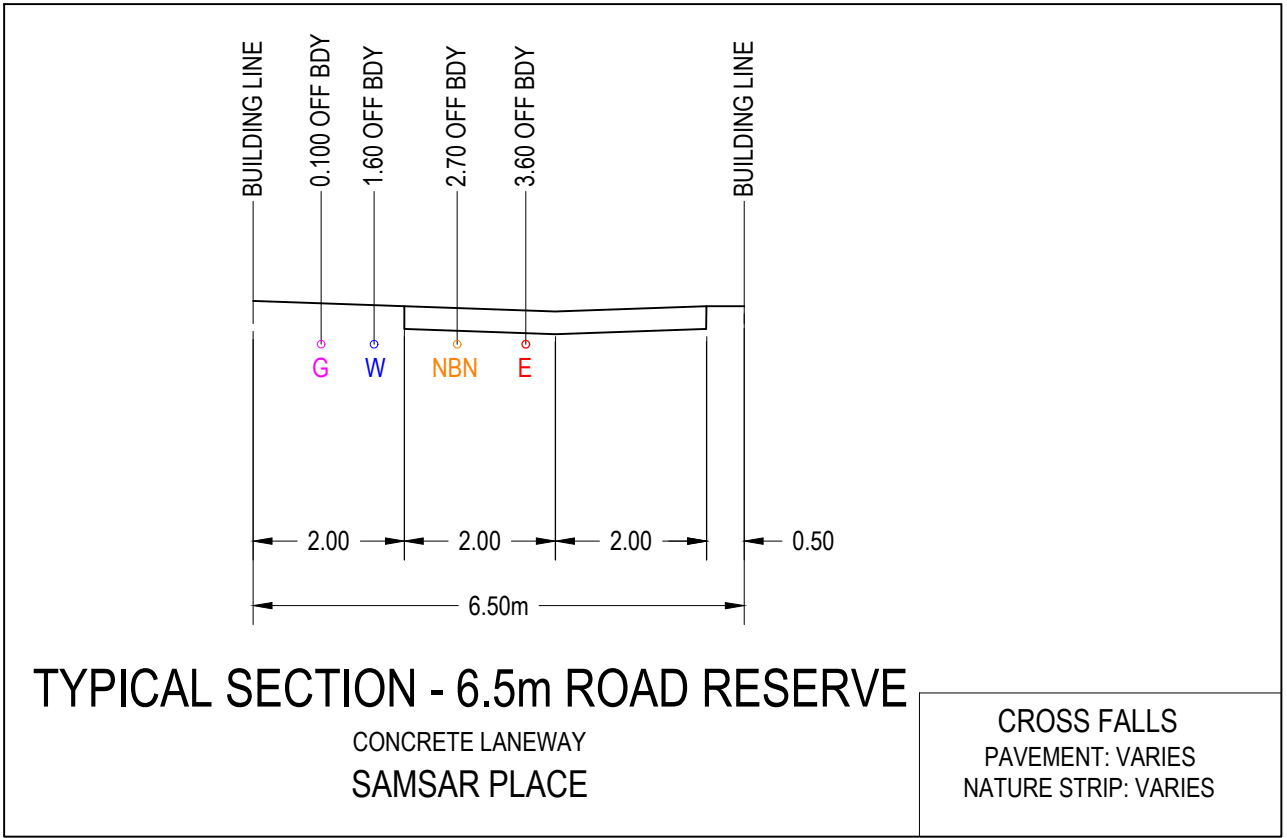
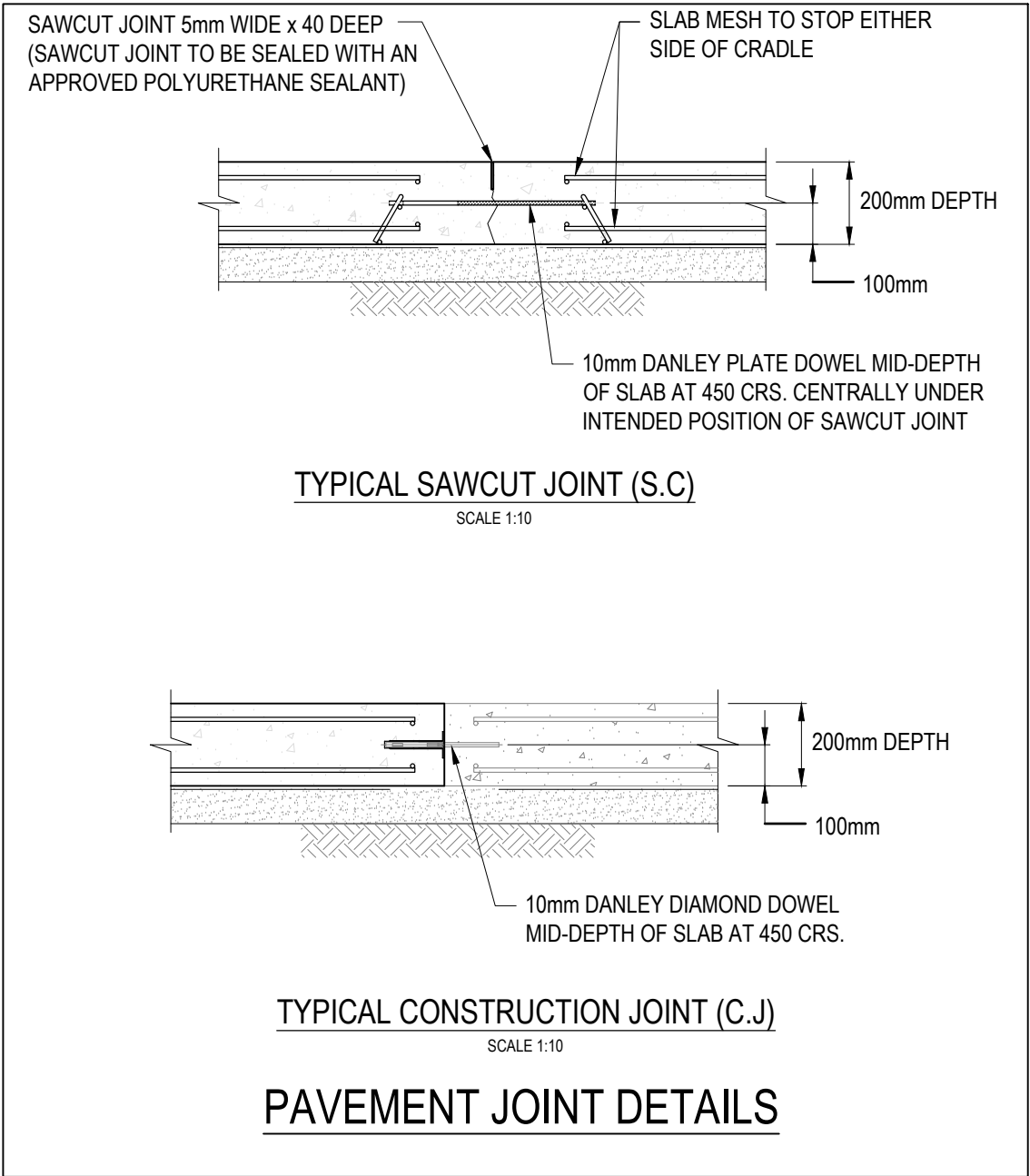
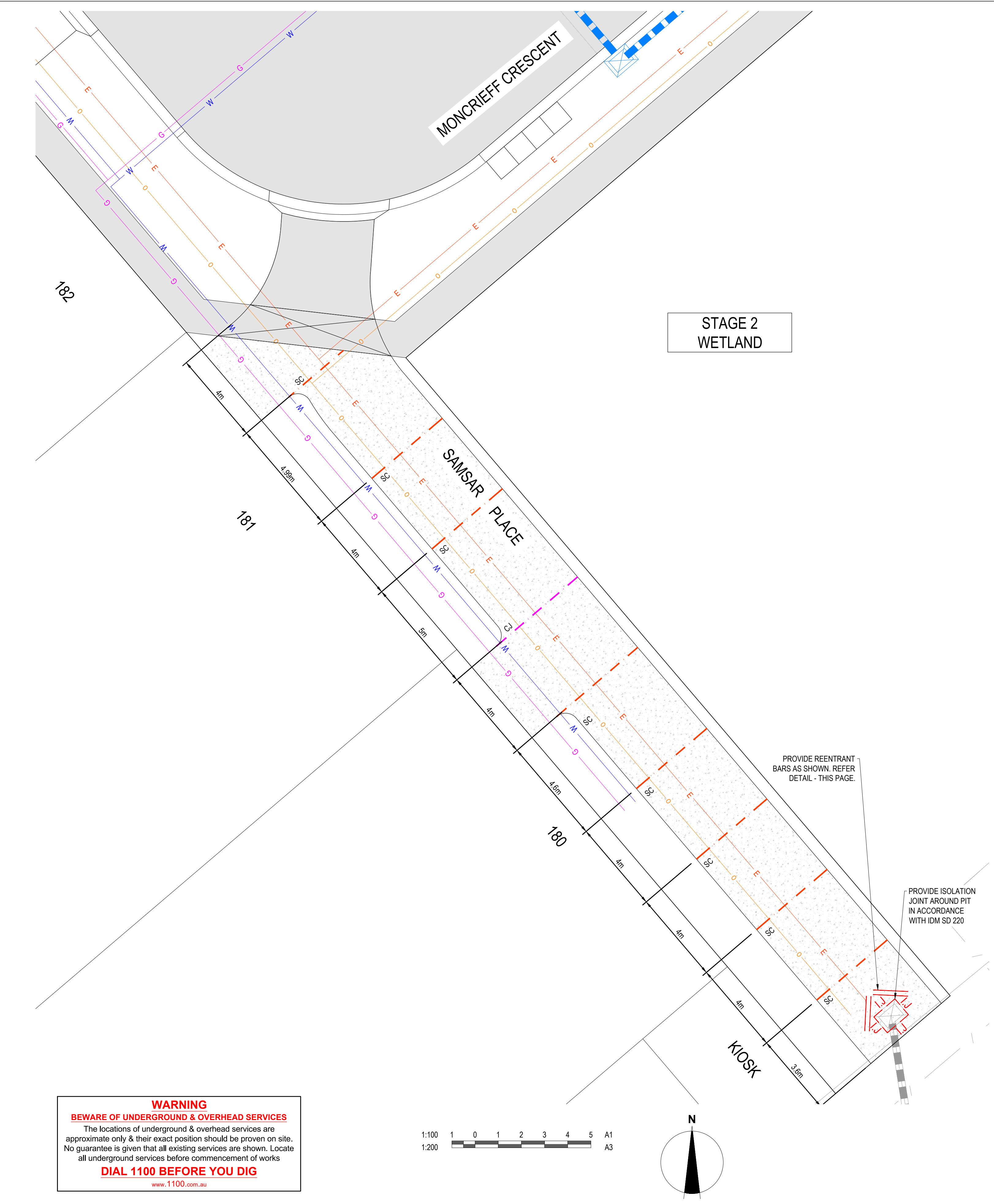
REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED
AC	19/20/21	AS CONSTRUCTED	C.ROHDE	M.TROUNCE	T.PALIOS
1	17/04/20	LANEWAY NAME CHANGE	C.ROHDE	M.TROUNCE	T.PALIOS
0	18/02/20	CONSTRUCTION ISSUE	C.ROHDE	M.TROUNCE	T.PALIOS
C	19/12/19	AMENDED AS PER COUNCIL COMMENTS (17/12/19)	C.ROHDE	A.WALE	T.PALIOS
B	03/10/19	TENDER ISSUE	C.ROHDE	A.WALE	T.PALIOS
A	16/08/19	ISSUED FOR APPROVAL	C.ROHDE	A.WALE	T.PALIOS






DRAWING TITLE
**WANDANA ESTATE - STAGE 2B
SIGNAGE AND LINEMARKING**

STATUS
AS CONSTRUCTED

SCALE AT A1 AS SHOWN	DRAWN C.ROHDE	DESIGNED C.ROHDE
PROJECT ENGINEER A.WALE	PROJECT MANAGER T.PALIOS	DATE FIRST ISSUE 16/08/19
PROJECT No. 180363.2B	DRAWING No. R800	REVISION AC



REVISION	DATE	ISSUE DESCRIPTION	DRAWN	CHECKED	APPROVED	CLIENT	PROJECT	DRAWING TITLE	STATUS	SCALE AT A1	DRAWN	DESIGNED
									WANDANA ESTATE - STAGE 2B CONCRETE JOINTING PLAN	AS CONSTRUCTED		
AC	19/20/21	AS CONSTRUCTED	C.ROHDE	M.TROUNCE	T.PALIOS					PROJECT No.	DRAWING No.	REVISION
1	17/04/20	LANEWAY NAME CHANGE AND GAS OFFSET CHANGE	C.ROHDE	M.TROUNCE	T.PALIOS					180363.2B	R900	AC
0	18/02/20	CONSTRUCTION ISSUE	C.ROHDE	M.TROUNCE	T.PALIOS					PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
C	19/12/19	AMENDED AS PER COUNCIL COMMENTS (17/12/19)	C.ROHDE	A.WALE	T.PALIOS					A.WALE	T.PALIOS	16/08/19
B	03/10/19	TENDER ISSUE	C.ROHDE	A.WALE	T.PALIOS							
A	16/08/19	ISSUED FOR APPROVAL	C.ROHDE	A.WALE	T.PALIOS							