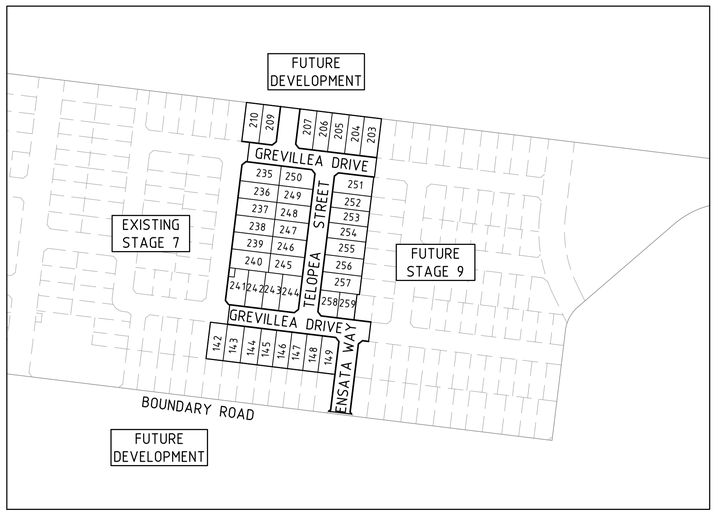
341 BOUNDARY ROAD, MT DUNEED

STAGE 8

CITY OF GREATER GEELONG



LOCALITY PLAN

MELWAYS REF: **465 F10**

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16-001655.8-C 18	Subdivision Setout Plan

Principal

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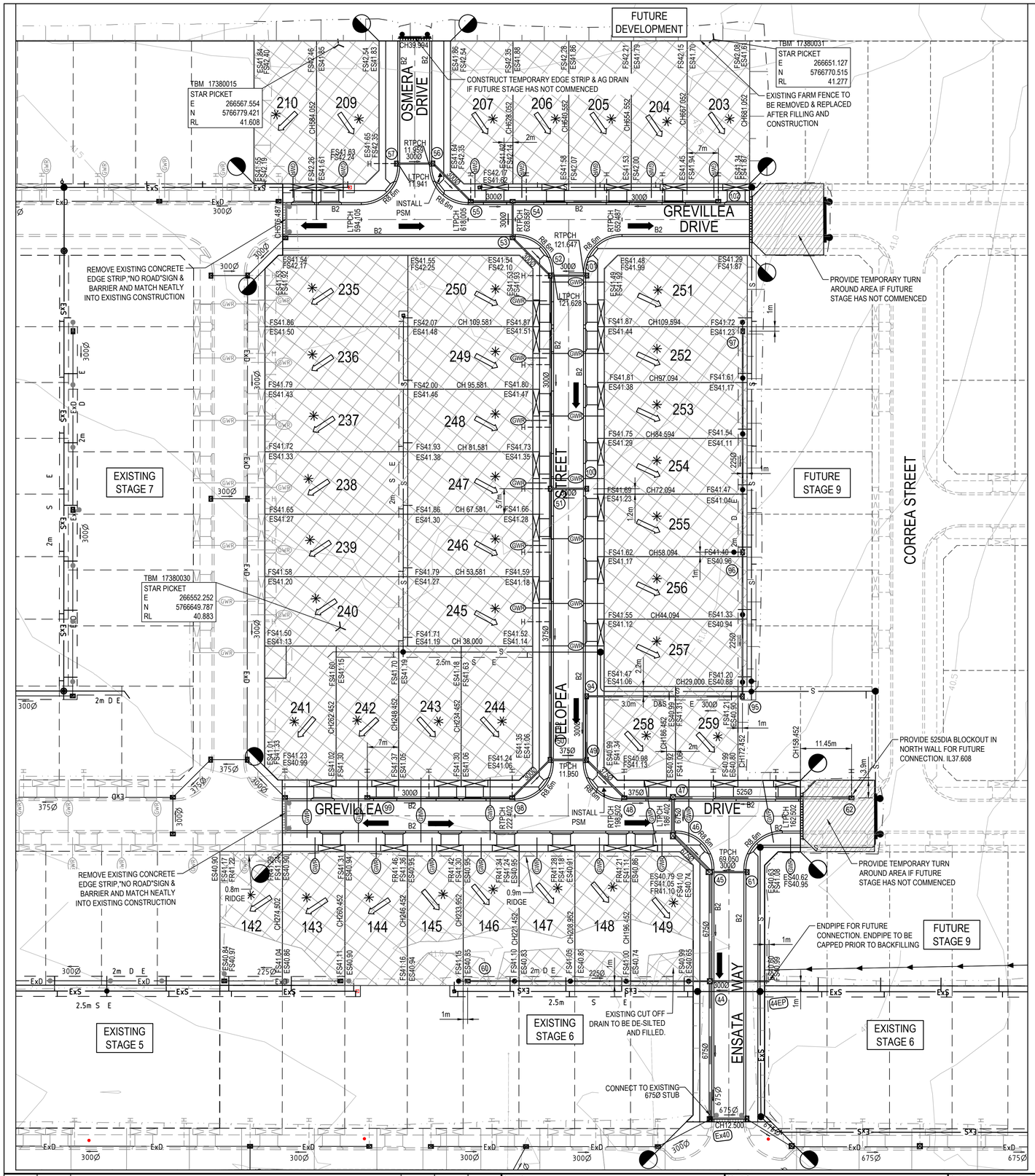
Level 2, 55 Southbank Boulevard
Southbank VIC 3006
T 03 9203 9000



LEGEND - LAYOUT PLAN

- STORMWATER DRAIN, PIT & PROPERTY INLET
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
- SERVICE CONDUITS
- TACTILE PAVERS
- Ex E — EXISTING ELECTRICITY (UNDERGROUND)
- O/H E — EXISTING ELECTRICITY (OVERHEAD)
- Ex G — EXISTING GAS
- Ex O — EXISTING OPTIC FIBRE
- Ex T — EXISTING TELSTRA
- Ex W — EXISTING WATER
- Ex RW — EXISTING RECYCLED WATER
- Ex D — EXISTING STORMWATER DRAIN
- Ex S — EXISTING SEWER
- EXISTING HOUSE DRAIN
- EXISTING SWALE DRAIN
- ES141.34 — EXISTING SURFACE LEVEL
- FS140.35 — FINISHED BUILDING LINE LEVEL
- FR157.40 — FINISHED RIDGE LINE LEVEL
- TW159.30 — TOP OF RETAINING WALL
- BW159.30 — 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

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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NOTES:

ADJOINING PROPERTY OWNERS WRITTEN CONSENT TO BE OBTAINED PRIOR TO ANY WORKS CONSTRUCTED IN ADJOINING LAND

SEWER MAINTENECE HOLE NOTE:

ALL MAINTENCE HOLES LOCATED WITHIN FOOTPATHS ARE TO HAVE LID LOCATED CENTRAL WITHIN THE FOOTPATH.

ROAD LAYOUT TABLE

ROAD NAME	ROAD CLASSIFICATION	RESERVE WIDTH (m)	ROAD WIDTH (m)			KERB TYPE		VERGE WIDTH (m)	
			LIP to LIP	INV to INV	BACK to BACK	NTH/WEST	STH/EAST	NTH/WEST	STH/EAST
GREVILLEA DRIVE (SOUTH)	ACCESS STREET	16.00	6.70	7.30	7.60	B2	B2	4.20	4.20
GREVILLEA DRIVE (NORTH)	ACCESS STREET	16.00	6.70	7.30	7.60	B2	B2	4.20	4.20
TELOPEA STREET	ACCESS PLACE	16.00	6.70	7.30	7.60	B2	B2	4.20	4.20
OSMERA STREET	ACCESS PLACE	16.00	6.70	7.30	7.60	B2	B2	4.20	4.20
ENSATA WAY	ACCESS PLACE	16.00	6.70	7.30	7.60	B2	B2	4.20	4.20

SERVICES OFFSET SCHEDULE

ROAD NAME	GAS		NON-DRINKING WATER		DRINKING WATER		COMMUNICATION		ELECTRICITY	
	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)
GREVILLEA DRIVE (SOUTH)	SOUTH	2.10	SOUTH	2.60	SOUTH	3.10	NORTH	1.85	NORTH	2.60
GREVILLEA DRIVE (NORTH)	NORTH	2.10	NORTH	2.60	NORTH	3.10	SOUTH	1.85	SOUTH	2.60
TELOPEA STREET	WEST	2.10	WEST	2.60	WEST	3.10	EAST	1.85	EAST	2.60
OSMERA STREET	WEST	2.10	WEST	2.60	WEST	3.10	EAST	1.85	EAST	2.60
ENSATA WAY	WEST	2.10	WEST	2.60	WEST	3.10	EAST	1.85	EAST	2.60

REVISION	DATE	ISSUE DETAILS	DESIGN	DRAWN	CHECK
1	19/12/19	DRAINAGE AND SEWER ALIGNMENT AMENDED	R.K	R.K	J.C
0	11/11/19	ISSUED FOR CONSTRUCTION	G.M	G.M	J.C
C	02/10/19	COUNCIL COMMENTS DATED 23/09/19	G.M	G.M	J.C
B	26/08/19	RIDGE ADDED TO LOTS 142-149 & FOOTPATH CROSSING UPDATES	G.M	G.M	J.C
A	10/04/19	ISSUED FOR APPROVAL	G.M	G.M	M.R

STATUS: **ISSUED FOR CONSTRUCTION**

SCALE @ A1: 1:500 (10 5 0 10 20) A1; 1:1000 A3

CLIENT: **HOME LIVING ESTATE**

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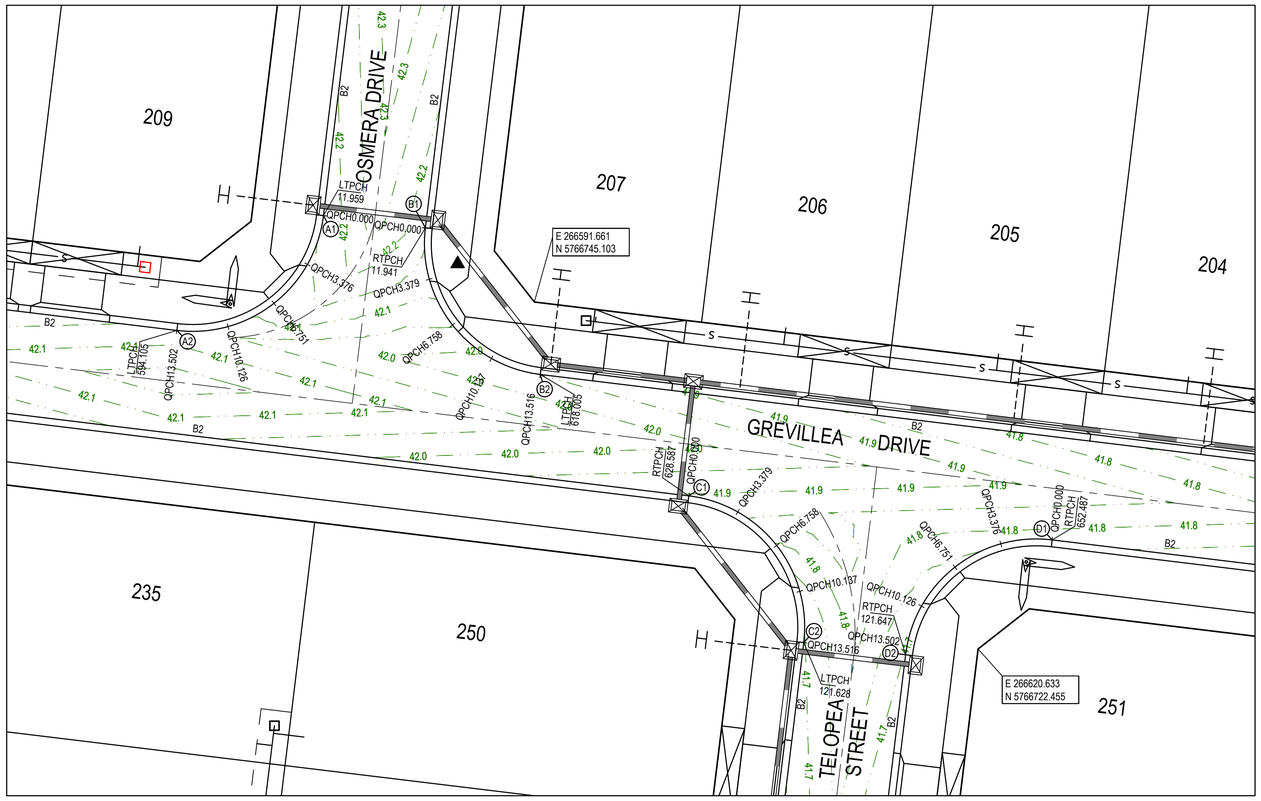
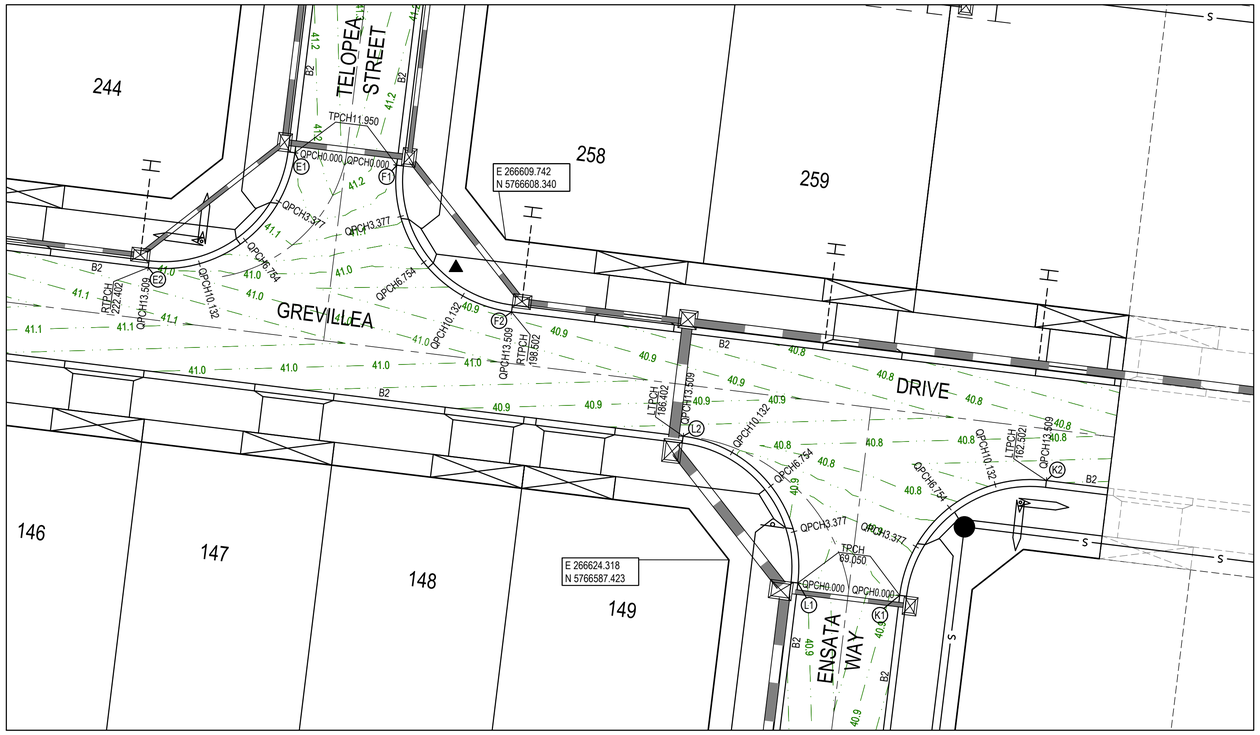
PROJECT: **341 BOUNDARY ROAD MT DUNEED STAGE 8**

DRAWING TITLE: **LAYOUT PLAN - 1**

PROJECT No.	DRAWING No.	REVISION
16-001655.8	C02	1





LEGEND - LAYOUT PLAN

- STORMWATER DRAIN, PIT & PROPERTY INLET
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WARNING

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NOTES

1. REFER TO SHEET No's 16-001655.8-C05 FOR LIP PROFILES.
2. REFER TO SHEET No's 16-001655.8-C06 FOR SETOUT INFORMATION.
3. REFER TO SHEET No's 16-001655.8-C19 FOR SIGNAGE & LINEMARKING PLAN.

H:\M16\16 - 001655.8\CIVIL\ACAD\16-001655.8-03 - INTERSECTION PLAN.DWG

REVISION	DATE	ISSUE DETAILS	DESIGN	DRAWN	CHECK
1	19/12/19	DRAINAGE AND SEWER ALIGNMENT AMENDED	R.K	R.K	J.C
0	11/11/19	ISSUED FOR CONSTRUCTION	G.M	G.M	J.C
B	02/10/19	COUNCIL COMMENTS DATED 23/09/19	G.M	G.M	J.C
A	10/04/19	ISSUED FOR APPROVAL	G.M	G.M	M.R

STATUS: **ISSUED FOR CONSTRUCTION**

SCALE: 1:200 (A1) / 1:400 (A3)

CLIENT: HOME LIVING ESTATE

calibre

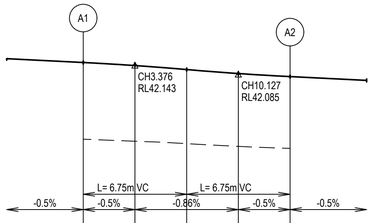
PROJECT: **341 BOUNDARY ROAD MT DUNEED STAGE 8**

DRAWING TITLE: **INTERSECTION DETAIL PLAN**

PROJECT No.	DRAWING No.	REVISION
16-001655.8	C03	1

LEGEND

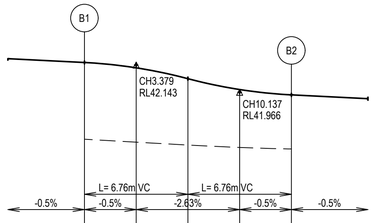
- EXISTING SURFACE
- DESIGN LINE



VERTICAL GEOMETRY
DATUM RL41

DESIGN LEVEL	42.160	42.140	42.114	42.088	42.068
EXISTING SURFACE	41.660	41.646	41.630	41.613	41.599
CHAINAGE	0.000	3.376	6.751	10.126	13.502

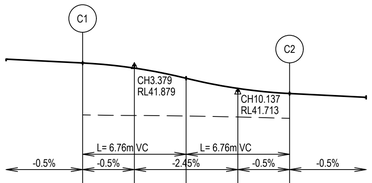
LIP LINE A



VERTICAL GEOMETRY
DATUM RL41

DESIGN LEVEL	42.160	42.125	42.055	41.984	41.949
EXISTING SURFACE	41.659	41.640	41.621	41.606	41.586
CHAINAGE	0.000	3.379	6.758	10.137	13.516

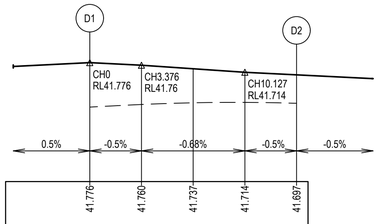
LIP LINE B



VERTICAL GEOMETRY
DATUM RL41

DESIGN LEVEL	41.896	41.863	41.796	41.730	41.697
EXISTING SURFACE	41.557	41.553	41.550	41.543	41.534
CHAINAGE	0.000	3.379	6.758	10.137	13.516

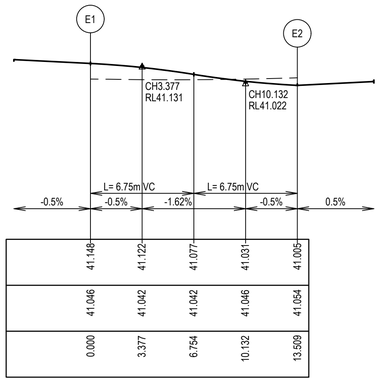
LIP LINE C



VERTICAL GEOMETRY
DATUM RL41

DESIGN LEVEL	41.776	41.760	41.737	41.714	41.697
EXISTING SURFACE	41.486	41.503	41.514	41.517	41.511
CHAINAGE	0.000	3.376	6.751	10.127	13.502

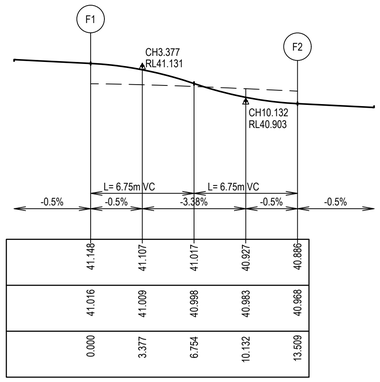
LIP LINE D



VERTICAL GEOMETRY
DATUM RL40

DESIGN LEVEL	41.148	41.122	41.077	41.031	41.005
EXISTING SURFACE	41.046	41.042	41.042	41.046	41.054
CHAINAGE	0.000	3.377	6.754	10.132	13.509

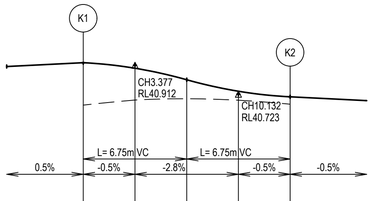
LIP LINE E



VERTICAL GEOMETRY
DATUM RL40

DESIGN LEVEL	41.148	41.107	41.017	40.927	40.886
EXISTING SURFACE	41.016	41.009	40.998	40.983	40.968
CHAINAGE	0.000	3.377	6.754	10.132	13.509

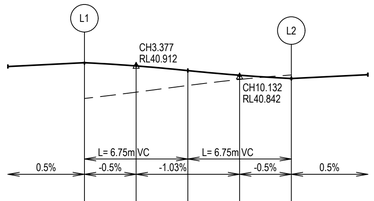
LIP LINE F



VERTICAL GEOMETRY
DATUM RL40

DESIGN LEVEL	40.929	40.892	40.817	40.742	40.706
EXISTING SURFACE	40.652	40.684	40.693	40.683	40.658
CHAINAGE	0.000	3.377	6.754	10.132	13.509

LIP LINE K



VERTICAL GEOMETRY
DATUM RL40

DESIGN LEVEL	40.929	40.907	40.877	40.847	40.825
EXISTING SURFACE	40.695	40.736	40.780	40.819	40.848
CHAINAGE	0.000	3.377	6.754	10.132	13.509

LIP LINE L

NOTES
1. CHAINAGES REFER TO LIP OF KERB/EDGE OF CONCRETE.
2. REFER TO SHEET NUMBER C06 FOR SETOUT INFORMATION.

REVISION	DATE	ISSUE DETAILS	DESIGN	DRAWN	CHECK
0	11/11/19	ISSUED FOR CONSTRUCTION	G.M	G.M	J.C
A	10/04/19	ISSUED FOR APPROVAL	G.M	G.M	M.R

STATUS: **ISSUED FOR CONSTRUCTION**

SCALE @ A1
1:200 2 0 2 4 6 8 10 A1
1:400 A3
HORIZONTAL
1:20 0.2 0 0.2 0.4 0.6 0.8 1 A1
1:40 A3
VERTICAL

CLIENT: **HOME LIVING ESTATE**

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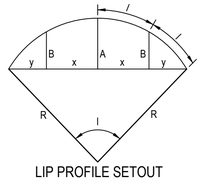
PROJECT: **341 BOUNDARY ROAD MT DUNEED STAGE 8**

DRAWING TITLE: **LIP PROFILES**

PROJECT No.	DRAWING No.	REVISION
16-001655.8	C04	0



LIP PROFILE SETOUT

ALIGNMENT A

Point no	Easting	Northing	RL
A1	266577.892	5766750.743	42.160
A2	266568.321	5766743.246	42.014

Curve no	I	Radius	Arc	A	B	X	Y	l	Mid point RL
A1 - A2	89.955	8.600	13.502	2.517	1.863	3.290	2.789	3.376	42.075

ALIGNMENT B

Point no	Easting	Northing	RL
B1	266584.545	5766749.951	42.310
B2	266592.048	5766740.372	41.843

Curve no	I	Radius	Arc	A	B	X	Y	l	Mid point RL
B1 - B2	90.045	8.600	13.516	2.521	1.866	3.293	2.791	3.379	42.084

ALIGNMENT C

Point no	Easting	Northing	RL
C1	266601.747	5766732.449	41.896
C2	266609.249	5766722.870	41.697

Curve no	I	Radius	Arc	A	B	X	Y	l	Mid point RL
C1 - C2	90.045	8.600	13.516	2.521	1.866	3.293	2.791	3.379	41.796

ALIGNMENT D

Point no	Easting	Northing	RL
D1	266625.473	5766729.575	41.776
D2	266615.902	5766722.078	41.697

Curve no	I	Radius	Arc	A	B	X	Y	l	Mid point RL
D1 - D2	89.955	8.600	13.502	2.517	1.863	3.290	2.789	3.376	41.737

ALIGNMENT E

Point no	Easting	Northing	RL
E1	266595.976	5766613.998	41.148
E2	266586.398	5766606.502	41.005

Curve no	I	Radius	Arc	A	B	X	Y	l	Mid point RL
E1 - E2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	41.060

ALIGNMENT F

Point no	Easting	Northing	RL
F1	266602.626	5766613.187	41.148
F2	266610.122	5766603.610	40.886

Curve no	I	Radius	Arc	A	B	X	Y	l	Mid point RL
F1 - F2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	41.017

ALIGNMENT K

Point no	Easting	Northing	RL
K1	266635.469	5766585.106	40.929
K2	266645.047	5766592.602	40.706

Curve no	I	Radius	Arc	A	B	X	Y	l	Mid point RL
K1 - K2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	40.817

ALIGNMENT L

Point no	Easting	Northing	RL
L1	266628.819	5766585.917	40.929
L2	266621.323	5766595.494	40.825

Curve no	I	Radius	Arc	A	B	X	Y	l	Mid point RL
L1 - L2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	40.877

TELOPEA STREET DESIGN LINE

CHAINAGE	EASTING	NORTHING	BEARING	
0.000	266597.855	5766601.730	6°57'04"	IP
100.000	266609.957	5766700.995	6°57'04"	
133.588	266614.022	5766734.336	6°57'04"	IP

--- IP Details ---

IP 1

coordinate = 266597.8549 5766601.7304
chainage = 0.0000

IP 2

coordinate = 266614.0220 5766734.3362
chainage = 133.5877

ENSATA WAY DESIGN LINE

CHAINAGE	EASTING	NORTHING	BEARING	
0.000	266623.787	5766516.969	6°57'04"	IP
43.000	266628.991	5766559.653	6°57'04"	IP
81.000	266633.590	5766597.374	6°57'04"	IP

--- IP Details ---

IP 1

coordinate = 266623.7874 5766516.9690
chainage = 0.0000

IP 2

coordinate = 266628.9914 5766559.6529
chainage = 43.0000
intersect angle = 0°00'00"

IP 3

coordinate = 266633.5903 5766597.3736
chainage = 81.0000

OSMERA DRIVE DESIGN LINE

CHAINAGE	EASTING	NORTHING	BEARING	
0.000	266579.772	5766738.485	6°57'04"	IP
39.980	266584.611	5766778.171	6°57'04"	
100.000	266591.875	5766837.750	6°57'04"	
106.078	266592.610	5766843.783	6°57'04"	IP

--- IP Details ---

IP 1

coordinate = 266579.7723 5766738.4849
chainage = 0.0000

IP 2

coordinate = 266592.6101 5766843.7828
chainage = 106.0776

DOMINUS STREET DESIGN LINE

CHAINAGE	EASTING	NORTHING	BEARING
158.452	266649.473	5766595.437	276°57'04"
200.000	266608.230	5766600.465	276°57'04"
248.450	266560.136	5766606.329	276°57'04"
274.477	266534.325	5766609.476	276°57'04"
576.487	266550.428	5766742.039	96°54'24"
594.118	266567.931	5766739.919	96°54'24"
600.000	266573.770	5766739.212	96°54'24"
681.052	266654.234	5766729.462	96°54'24"

NOTES
1. SETOUT CO-ORDINATES REFER TO LIP OF KERB/EDGE OF CONCRETE.
2. REFER TO SHEET NUMBERS C05 FOR LIP PROFILES.

REVISION	DATE	ISSUE DETAILS	DESIGN	DRAWN	CHECK
0	11/11/19	ISSUED FOR CONSTRUCTION	G.M	G.M	J.C
A	10/04/19	ISSUED FOR APPROVAL	G.M	G.M	M.R

STATUS: ISSUED FOR CONSTRUCTION

SCALE @ A1: 1:500 A1 / 1:1000 A3

CLIENT: HOME LIVING ESTATE

calibre

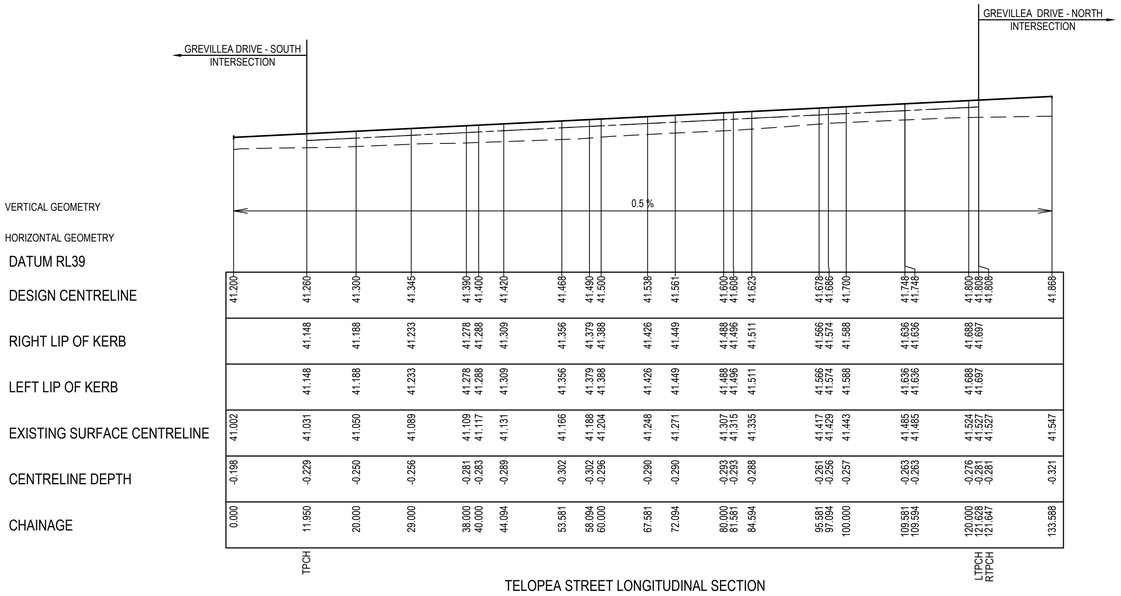
PROJECT: 341 BOUNDARY ROAD MT DUNEED STAGE 8

DRAWING TITLE: SETOUT INFORMATION

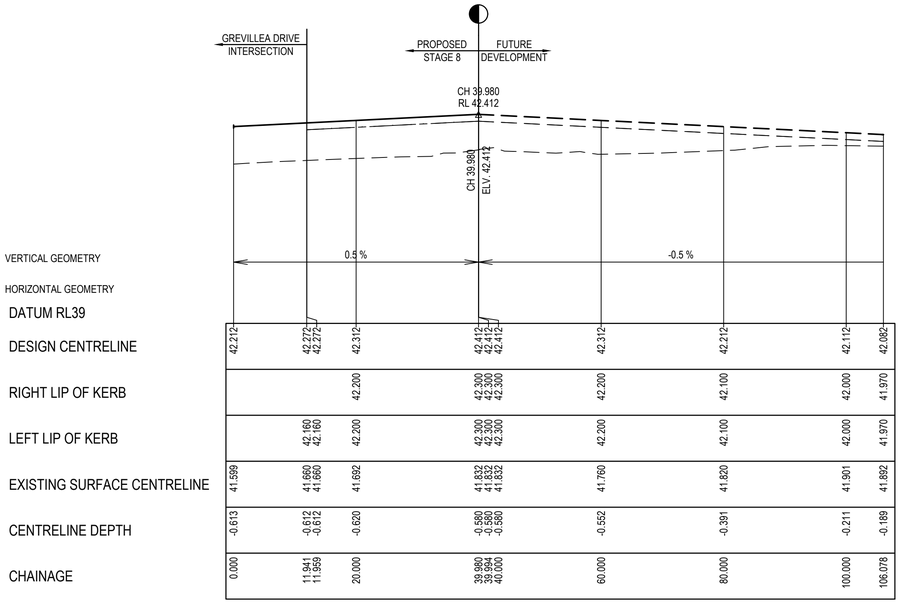
PROJECT No. 16-001655.8 | DRAWING No. C05 | REVISION 0

LEGEND

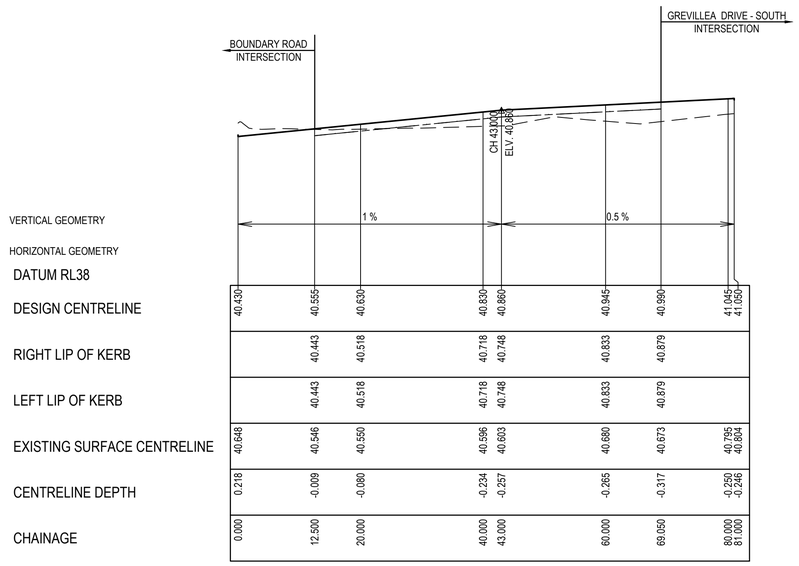
- EXISTING SURFACE
- DESIGN LINE
- FUTURE DESIGN LINE
- LEFT LIP OF KERB
- RIGHT LIP OF KERB



TELOPEA STREET LONGITUDINAL SECTION



OSMERA STREET LONGITUDINAL SECTION



ENSATA WAY LONGITUDINAL SECTION

REVISION	DATE	ISSUE DETAILS	DESIGN	DRAWN	CHECK
0	11/11/19	ISSUED FOR CONSTRUCTION	G.M	G.M	J.C
B	02/10/19	COUNCIL COMMENTS DATED 23/09/19	G.M	G.M	J.C
A	10/04/19	ISSUED FOR APPROVAL	G.M	G.M	M.R

STATUS: **ISSUED FOR CONSTRUCTION**

SCALE @ A1: 1:500 / 1:1000 HORIZONTAL (10 5 0 10 20) A1 / A3; 1:50 / 1:100 VERTICAL (1 0.5 0 1 2) A1 / A3

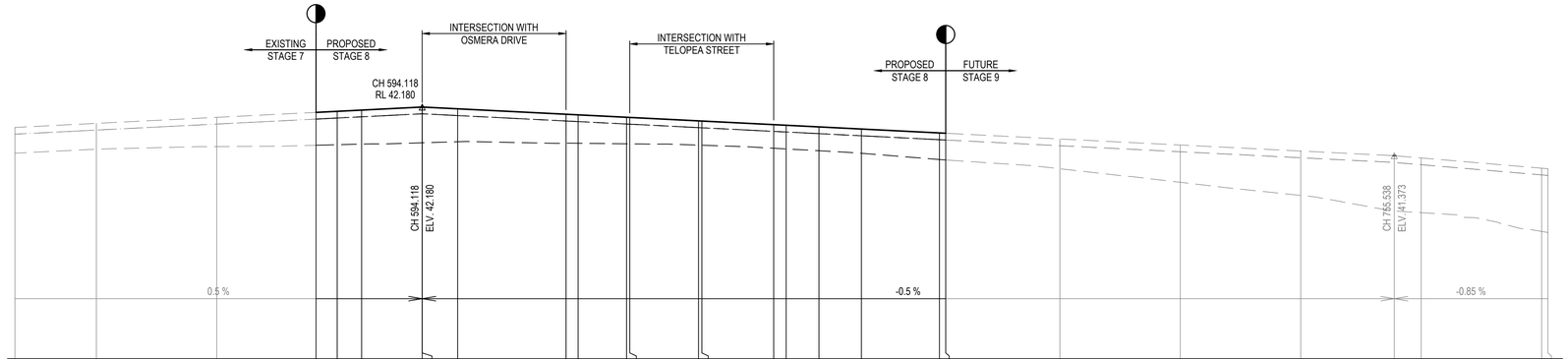
CLIENT: **HOME LIVING ESTATE**

calibre

PROJECT: **341 BOUNDARY ROAD MT DUNEED STAGE 8**

DRAWING TITLE: **LONGITUDINAL SECTIONS - 1 TELOPEA STREET, OSMERA STREET & ENSATA WAY**

PROJECT No.	DRAWING No.	REVISION
16-001655.8	C06	0



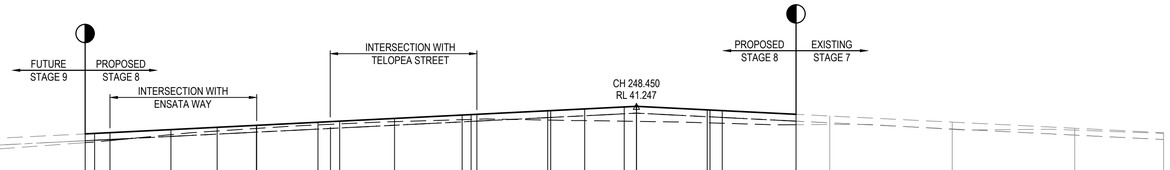
VERTICAL GEOMETRY

HORIZONTAL GEOMETRY

DATUM RL38

DESIGN CENTRELINE	41.842	41.909	42.009	42.092	42.109	42.130	42.180 42.180	42.151	42.061 42.051	42.010 42.000	41.950 41.948	41.888 41.878	41.850	41.815	41.750 41.745	41.650	41.550	41.450	41.373	41.335	41.166 41.157
RIGHT LIP OF KERB	41.730	41.798	41.898	41.980	41.998	42.018	42.068 42.068	42.039	41.949 41.939	41.899 41.889	41.839 41.836	41.776 41.766	41.739	41.704	41.639 41.633	41.539	41.439	41.339	41.261	41.223	41.054 41.045
LEFT LIP OF KERB	41.730	41.798	41.898	41.980	41.998	42.018	42.068 42.068	42.039	41.949 41.939	41.899 41.889	41.839 41.836	41.776 41.766	41.739	41.704	41.639 41.633	41.539	41.439	41.339	41.261	41.223	41.054 41.045
EXISTING SURFACE CENTRELINE	41.414	41.481	41.524	41.546	41.555	41.565	41.587 41.587	41.605	41.580 41.580	41.570 41.570	41.549 41.547	41.496 41.485	41.455	41.413	41.309 41.302	41.156	40.932	40.714	40.455	40.428	40.116 40.099
CENTRELINE DEPTH	-0.428	-0.429	-0.485	-0.546	-0.555	-0.565	-0.593 -0.593	-0.546	-0.481 -0.471	-0.440 -0.430	-0.402 -0.401	-0.392 -0.393	-0.395	-0.403	-0.441 -0.443	-0.494	-0.619	-0.736	-0.918	-0.907	-1.049 -1.058
CHAINAGE	526.487	540.000	560.000	576.487	580.000	584.052	594.105 594.118	600.000	618.005 620.000	628.852 628.857	640.000 640.552	652.487 654.552	660.000	667.652	680.000 681.652	700.000	720.000	740.000	755.538	760.000	780.000 781.652
							LTPCH		LTPCH	RTPCH		RTPCH									

GREVILLEA STREET LONGITUDINAL SECTION - NORTH



VERTICAL GEOMETRY

HORIZONTAL GEOMETRY

DATUM RL37

DESIGN CENTRELINE	40.797 40.805	40.405	40.505	40.552	40.605	40.705	40.797 40.805	40.817	40.867	40.905	40.937 40.937	40.987	40.997 41.005	41.050	41.105 41.112	41.117	41.175 41.177	41.205	41.237 41.247	41.247 41.247	41.189 41.177	41.177	41.117	41.069	40.989	40.889	40.816
RIGHT LIP OF KERB	40.186 40.193	40.293	40.393	40.440	40.493	40.593	40.686 40.693	40.706	40.755	40.793	40.825 40.825	40.875	40.886 40.893	40.938	40.993 41.000	41.005	41.063 41.065	41.093	41.125 41.135	41.135 41.135	41.078 41.075	41.065	41.005	40.977	40.877	40.777	40.705
LEFT LIP OF KERB	40.186 40.193	40.293	40.393	40.440	40.493	40.593	40.686 40.693	40.706	40.755	40.793	40.825 40.825	40.875	40.886 40.893	40.938	40.993 41.000	41.005	41.063 41.065	41.093	41.125 41.135	41.135 41.135	41.078 41.075	41.065	41.005	40.977	40.877	40.777	40.705
EXISTING SURFACE CENTRELINE	39.708 39.707	39.847	40.056	40.165	40.296	40.511	40.655 40.686	40.689	40.785	40.844	40.886 40.886	40.944	40.953 40.960	40.997	41.029 41.033	41.036	41.023 41.022	41.015	41.005 41.001	41.001 41.001	40.978 40.977	40.971	40.947	40.950	40.870	40.859	40.804
CENTRELINE DEPTH	-0.589 -0.586	-0.559	-0.449	-0.387	-0.309	-0.194	-0.143 -0.139	-0.129	-0.082	-0.061	-0.051 -0.051	-0.043	-0.044 -0.045	-0.052	-0.076 -0.079	-0.081	-0.152 -0.155	-0.190	-0.232 -0.246	-0.246 -0.246	-0.211 -0.210	-0.206	-0.170	-0.139	-0.119	-0.030	-0.013
CHAINAGE	58.452 60.000	80.000	100.000	109.341	120.000	140.000	158.452 160.000	162.502	172.452	180.000	186.402 186.452	196.452	198.502 200.000	208.952	220.000 221.452	222.402	233.952 234.452	240.000	246.452 248.450	248.450 248.452	260.000 260.452	262.452	274.502	280.000	300.000	320.000	334.502
								LTPCH			LTPCH		RTPCH			RTPCH											

GREVILLEA STREET LONGITUDINAL SECTION - SOUTH

REVISION	DATE	ISSUE DETAILS	DESIGN	DRAWN	CHECK
0	11/11/19	ISSUED FOR CONSTRUCTION	G.M	G.M	J.C
B	02/10/19	COUNCIL COMMENTS DATED 23/09/19	G.M	G.M	J.C
A	10/04/19	ISSUED FOR APPROVAL	G.M	G.M	M.R

STATUS

ISSUED FOR CONSTRUCTION

SCALE @ A1

1:500 10 5 0 10 20 A1
1:1000 A3
HORIZONTAL

1:50 1 0.5 0 1 2 A1
1:100 A3
VERTICAL

CLIENT

HOME LIVING ESTATE

calibre

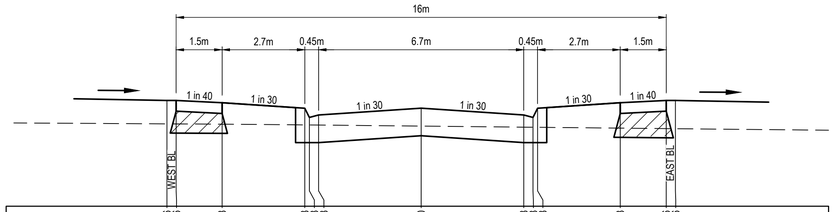
PROJECT

341 BOUNDARY ROAD
MT DUNEED
STAGE 8

DRAWING TITLE

LONGITUDINAL SECTIONS - 2
GREVILLEA DRIVE

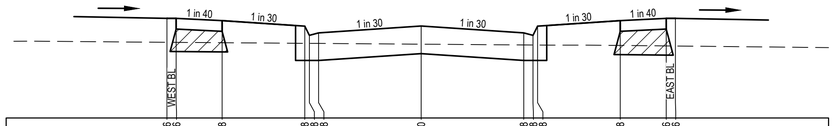
PROJECT No.	DRAWING No.	REVISION
16-001655.8	C07	0



DATUM40.0

DESIGN SURFACE	41.726 41.726	41.688	41.588 41.488 41.488	41.600	41.488 41.488 41.588	41.688	41.726 41.726
EXISTING SURFACE	41.344 41.343	41.339	41.327 41.326 41.324	41.307	41.290 41.289 41.288	41.274	41.266 41.265
OFFSET	-8.300 -8.000	-6.500	-3.800 -3.650 -3.350	0.000	3.350 3.650 3.800	6.500	8.000 8.300

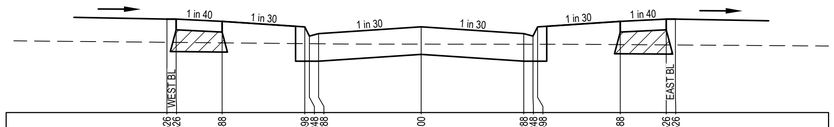
CH 80.000



DATUM40.0

DESIGN SURFACE	41.626 41.626	41.588	41.488 41.488 41.388	41.500	41.388 41.348 41.488	41.588	41.626 41.626
EXISTING SURFACE	41.235 41.234	41.228	41.219 41.217 41.216	41.204	41.191 41.190 41.190	41.183	41.176 41.174
OFFSET	-8.300 -8.000	-6.500	-3.800 -3.650 -3.350	0.000	3.350 3.650 3.800	6.500	8.000 8.300

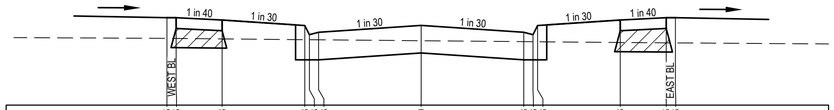
CH 60.000



DATUM40.0

DESIGN SURFACE	41.526 41.526	41.488	41.388 41.248 41.288	41.400	41.288 41.248 41.388	41.488	41.526 41.526
EXISTING SURFACE	41.147 41.145	41.138	41.125 41.124 41.123	41.117	41.115 41.115 41.115	41.110	41.105 41.103
OFFSET	-8.300 -8.000	-6.500	-3.800 -3.650 -3.350	0.000	3.350 3.650 3.800	6.500	8.000 8.300

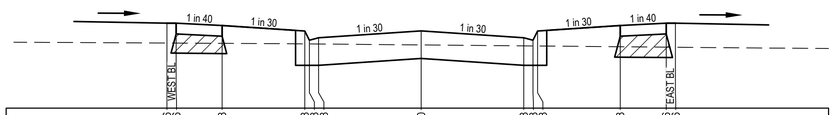
CH 40.000



DATUM40.0

DESIGN SURFACE	41.426 41.426	41.388	41.298 41.148 41.188	41.300	41.188 41.148 41.298	41.388	41.426 41.426
EXISTING SURFACE	41.089 41.087	41.080	41.067 41.066 41.065	41.050	41.035 41.034 41.033	41.021	41.016 41.015
OFFSET	-8.300 -8.000	-6.500	-3.800 -3.650 -3.350	0.000	3.350 3.650 3.800	6.500	8.000 8.300

CH 20.000



DATUM40.0

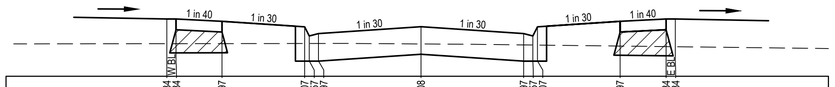
DESIGN SURFACE	41.386 41.386	41.348	41.298 41.148 41.148	41.260	41.148 41.108 41.258	41.348	41.386 41.386
EXISTING SURFACE	41.062 41.061	41.057	41.049 41.047 41.046	41.031	41.016 41.014 41.014	41.001	40.995 40.993
OFFSET	-8.300 -8.000	-6.500	-3.800 -3.650 -3.350	0.000	3.350 3.650 3.800	6.500	8.000 8.300

TPCH 11.950

LEGEND

- EXISTING SURFACE
- DESIGN LINE
- SELECT STRUCTURAL FILL

NOTE
SELECT STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE



DATUM41.0

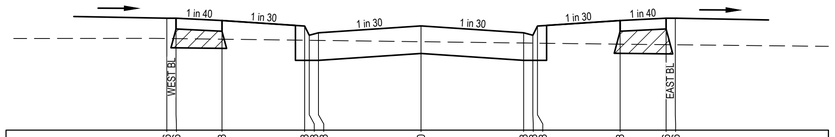
DESIGN SURFACE	41.934 41.934	41.897	41.807 41.657 41.697	41.808	41.697 41.657 41.807	41.897	41.934 41.934
EXISTING SURFACE	41.531 41.531	41.532	41.534 41.534 41.534	41.527	41.511 41.509 41.508	41.492	41.483 41.482
OFFSET	-8.300 -8.000	-6.500	-3.800 -3.650 -3.350	0.000	3.350 3.650 3.800	6.500	8.000 8.300

LTPCH 121.628

DATUM41.0

DESIGN SURFACE	41.926 41.926	41.888	41.798 41.648 41.688	41.800	41.688 41.648 41.798	41.888	41.926 41.926
EXISTING SURFACE	41.527 41.527	41.528	41.530 41.530 41.530	41.524	41.506 41.504 41.504	41.488	41.479 41.477
OFFSET	-8.300 -8.000	-6.500	-3.800 -3.650 -3.350	0.000	3.350 3.650 3.800	6.500	8.000 8.300

CH 120.000



DATUM40.0

DESIGN SURFACE	41.826 41.826	41.788	41.698 41.548 41.588	41.700	41.588 41.548 41.698	41.788	41.826 41.826
EXISTING SURFACE	41.495 41.493	41.484	41.467 41.466 41.464	41.443	41.421 41.420 41.419	41.402	41.394 41.393
OFFSET	-8.300 -8.000	-6.500	-3.800 -3.650 -3.350	0.000	3.350 3.650 3.800	6.500	8.000 8.300

CH 100.000

REVISION	DATE	ISSUE DETAILS	DESIGN	DRAWN	CHECK
0	11/11/19	ISSUED FOR CONSTRUCTION	G.M	G.M	J.C
A	10/04/19	ISSUED FOR APPROVAL	G.M	G.M	M.R

STATUS
ISSUED FOR CONSTRUCTION

SCALE @ A1
1:100 2 1 0 2 4 A1
1:200 A3
HORIZONTAL
1:50 1 0.5 0 1 2 A1
1:100 A3
VERTICAL

CLIENT
HOME LIVING ESTATE

calibre

PROJECT
341 BOUNDARY ROAD
MT DUNEED
STAGE 8

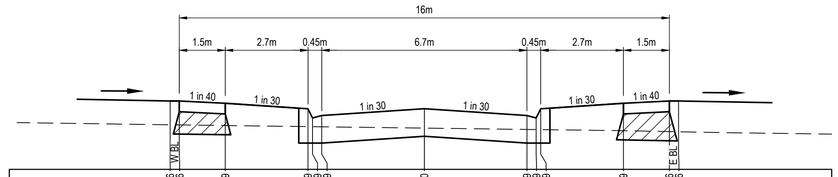
DRAWING TITLE
TELOPEA STREET
CROSS SECTIONS

PROJECT No.	DRAWING No.	REVISION
16-001655.8	C08	0

LEGEND

- EXISTING SURFACE
- DESIGN LINE
- SELECT STRUCTURAL FILL

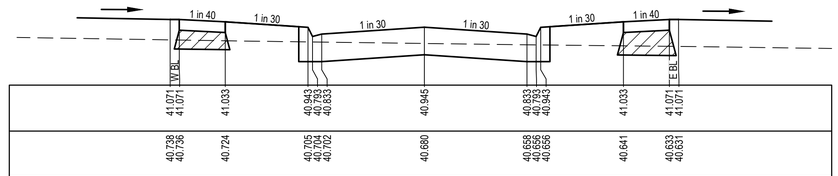
NOTE
SELECT STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE



DATUM40.0

DESIGN SURFACE	41.116	41.116	41.079	40.989	40.839	40.879	40.989	41.079	41.116	41.116
EXISTING SURFACE	40.727	40.725	40.715	40.698	40.697	40.695	40.673	40.652	40.650	40.649	40.631	40.617	40.614
OFFSET	-8.300	-8.000	-6.500	-3.800	-3.650	-3.350	0.000	3.350	3.650	3.800	6.500	8.000	8.300

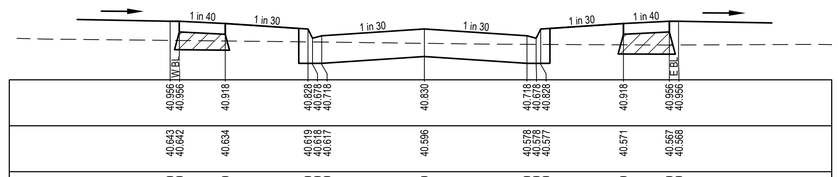
TPCH 69.050



DATUM40.0

DESIGN SURFACE	41.071	41.071	41.033	40.943	40.793	40.833	40.945	40.833	40.793	40.943	41.033	41.071	41.071
EXISTING SURFACE	40.738	40.736	40.724	40.705	40.704	40.702	40.680	40.658	40.656	40.656	40.641	40.633	40.631
OFFSET	-8.300	-8.000	-6.500	-3.800	-3.650	-3.350	0.000	3.350	3.650	3.800	6.500	8.000	8.300

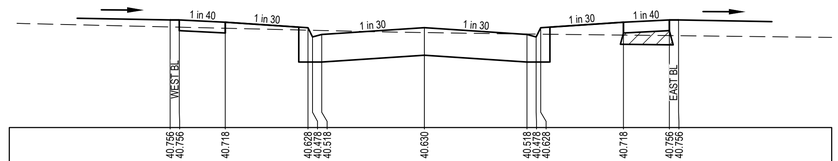
CH 60.000



DATUM40.0

DESIGN SURFACE	40.956	40.956	40.918	40.828	40.678	40.718	40.830	40.718	40.678	40.828	40.918	40.956	40.956
EXISTING SURFACE	40.643	40.642	40.634	40.619	40.618	40.617	40.596	40.578	40.576	40.577	40.571	40.567	40.568
OFFSET	-8.300	-8.000	-6.500	-3.800	-3.650	-3.350	0.000	3.350	3.650	3.800	6.500	8.000	8.300

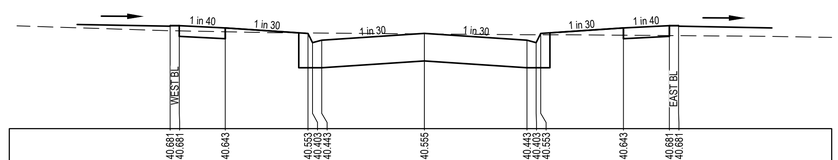
CH 40.000



DATUM39.0

DESIGN SURFACE	40.756	40.756	40.718	40.628	40.478	40.518	40.630	40.518	40.478	40.628	40.718	40.756	40.756
EXISTING SURFACE	40.641	40.638	40.620	40.589	40.587	40.583	40.550	40.526	40.524	40.523	40.509	40.500	40.499
OFFSET	-8.300	-8.000	-6.500	-3.800	-3.650	-3.350	0.000	3.350	3.650	3.800	6.500	8.000	8.300

CH 20.000

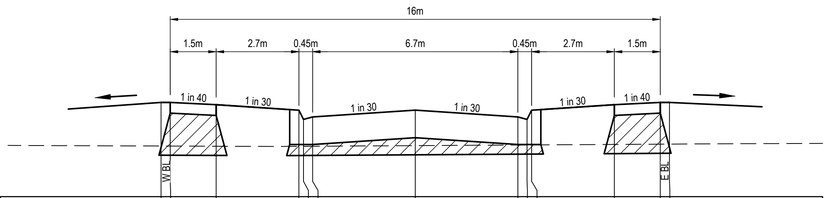


DATUM39.0

DESIGN SURFACE	40.681	40.681	40.643	40.553	40.403	40.443	40.555	40.443	40.403	40.553	40.643	40.681	40.681
EXISTING SURFACE	40.599	40.596	40.581	40.561	40.561	40.560	40.546	40.533	40.532	40.532	40.525	40.519	40.518
OFFSET	-8.300	-8.000	-6.500	-3.800	-3.650	-3.350	0.000	3.350	3.650	3.800	6.500	8.000	8.300

TPCH 12.500

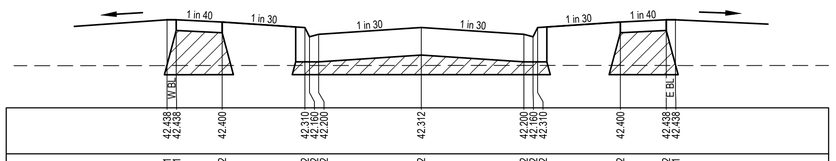
ENSATA WAY



DATUM41.0

DESIGN SURFACE	42.538	42.538	42.500	42.410	42.260	42.290	42.412	42.300	42.260	42.410	42.500	42.538	42.538
EXISTING SURFACE	41.826	41.825	41.822	41.821	41.821	41.822	41.832	41.842	41.843	41.844	41.852	41.856	41.857
OFFSET	-8.300	-8.000	-6.500	-3.800	-3.650	-3.350	0.000	3.350	3.650	3.800	6.500	8.000	8.300

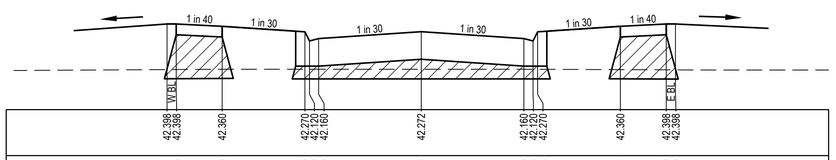
CH 39.994



DATUM41.0

DESIGN SURFACE	42.438	42.438	42.400	42.310	42.160	42.200	42.312	42.200	42.160	42.310	42.400	42.438	42.438
EXISTING SURFACE	41.691	41.691	41.692	41.692	41.692	41.692	41.692	41.692	41.692	41.692	41.692	41.692	41.691
OFFSET	-8.300	-8.000	-6.500	-3.800	-3.650	-3.350	0.000	3.350	3.650	3.800	6.500	8.000	8.300

CH 20.000



DATUM41.0

DESIGN SURFACE	42.398	42.398	42.360	42.270	42.120	42.160	42.272	42.160	42.120	42.270	42.360	42.398	42.398
EXISTING SURFACE	41.654	41.655	41.659	41.660	41.660	41.660	41.660	41.659	41.659	41.658	41.653	41.650	41.649
OFFSET	-8.300	-8.000	-6.500	-3.800	-3.650	-3.350	0.000	3.350	3.650	3.800	6.500	8.000	8.300

CH 11.959

OSMERA STREET

REVISION	DATE	ISSUE DETAILS	DESIGN	DRAWN	CHECK
0	11/11/19	ISSUED FOR CONSTRUCTION	G.M	G.M	J.C
A	10/04/19	ISSUED FOR APPROVAL	G.M	G.M	M.R

STATUS

ISSUED FOR CONSTRUCTION

SCALE @ A1

1:100 2 1 0 2 4 A1
1:200 A3
HORIZONTAL

1:50 1 0.5 0 1 2 A1
1:100 A3
VERTICAL

CLIENT

HOME LIVING ESTATE

calibre

PROJECT

341 BOUNDARY ROAD
MT DUNEED
STAGE 8

DRAWING TITLE

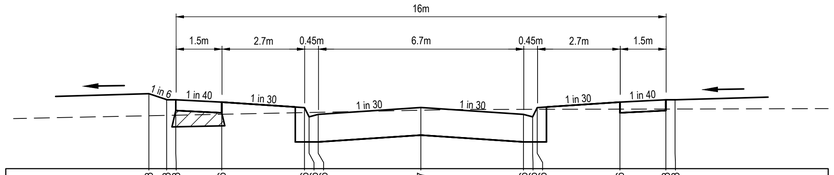
ENSATA WAY & OSMERA STREET CROSS SECTIONS

PROJECT No.	DRAWING No.	REVISION
16-001655.8	C09	0

LEGEND

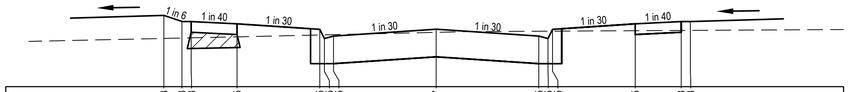
- EXISTING SURFACE
- DESIGN LINE
- SELECT STRUCTURAL FILL

NOTE
SELECT STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE



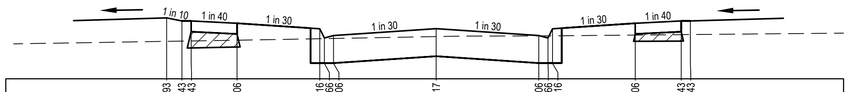
DATUM40.0																							
DESIGN SURFACE	41.223	41.123	41.123	41.086	40.996	40.846	40.886	40.997	40.886	40.846	40.996	41.086	41.123	41.123
EXISTING SURFACE	40.863	40.869	40.872	40.887	40.915	40.916	40.919	40.953	40.968	40.968	40.968	40.971	40.973	40.973
OFFSET	-8.900	-8.300	-8.000	-6.500	-3.800	-3.650	-3.350	0.000	3.350	3.650	3.800	6.500	8.000	8.300

CH 198.502



DATUM40.0														
DESIGN SURFACE	41.163	41.063	41.063	41.025	40.835	40.735	40.825	40.937	40.825	40.765	40.835	41.025	41.063	41.063
EXISTING SURFACE	40.786	40.793	40.796	40.813	40.843	40.845	40.848	40.886	40.904	40.905	40.906	40.913	40.917	40.918
OFFSET	-8.900	-8.300	-8.000	-6.500	-3.800	-3.650	-3.350	0.000	3.350	3.650	3.800	6.500	8.000	8.300

CH 186.402



DATUM40.0														
DESIGN SURFACE	40.993	40.943	40.943	40.906	40.816	40.666	40.706	40.817	40.706	40.666	40.816	40.906	40.943	40.943
EXISTING SURFACE	40.610	40.615	40.617	40.629	40.653	40.655	40.658	40.689	40.699	40.700	40.700	40.713	40.720	40.721
OFFSET	-8.900	-8.300	-8.000	-6.500	-3.800	-3.650	-3.350	0.000	3.350	3.650	3.800	6.500	8.000	8.300

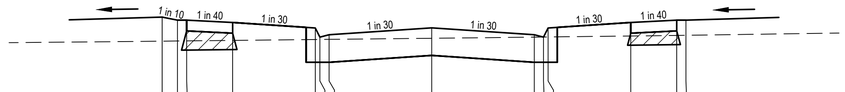
CH 162.502

DATUM40.0														
DESIGN SURFACE	40.961	40.931	40.931	40.893	40.803	40.653	40.693	40.805	40.693	40.653	40.803	40.893	40.931	40.931
EXISTING SURFACE	40.593	40.598	40.600	40.612	40.634	40.636	40.638	40.666	40.684	40.686	40.687	40.699	40.706	40.707
OFFSET	-8.900	-8.300	-8.000	-6.500	-3.800	-3.650	-3.350	0.000	3.350	3.650	3.800	6.500	8.000	8.300

CH 160.000

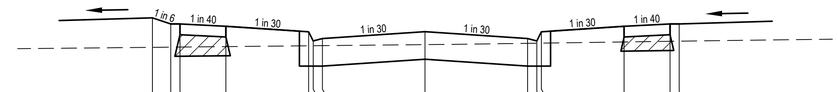
DATUM40.0														
DESIGN SURFACE	40.973	40.923	40.923	40.885	40.796	40.646	40.686	40.797	40.686	40.646	40.796	40.885	40.923	40.923
EXISTING SURFACE	40.583	40.587	40.590	40.602	40.624	40.625	40.628	40.655	40.674	40.676	40.676	40.690	40.698	40.699
OFFSET	-8.900	-8.300	-8.000	-6.500	-3.800	-3.650	-3.350	0.000	3.350	3.650	3.800	6.500	8.000	8.300

CH 158.452



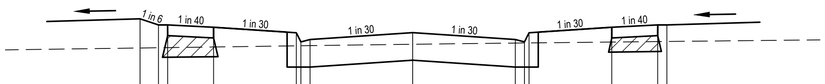
DATUM40.0														
DESIGN SURFACE	41.292	41.242	41.242	41.205	41.115	40.965	41.065	41.117	41.065	40.965	41.115	41.205	41.242	41.242
EXISTING SURFACE	40.900	40.902	40.904	40.912	40.927	40.927	40.929	40.947	40.966	40.967	40.968	40.984	40.993	40.996
OFFSET	-8.800	-8.300	-8.000	-6.500	-3.800	-3.650	-3.350	0.000	3.350	3.650	3.800	6.500	8.000	8.300

CH 274.502



DATUM40.0														
DESIGN SURFACE	41.415	41.315	41.315	41.278	41.188	41.038	41.078	41.189	41.078	41.038	41.188	41.278	41.315	41.315
EXISTING SURFACE	40.933	40.936	40.938	40.945	40.959	40.960	40.961	40.978	40.999	41.001	41.002	41.021	41.032	41.034
OFFSET	-8.900	-8.300	-8.000	-6.500	-3.800	-3.650	-3.350	0.000	3.350	3.650	3.800	6.500	8.000	8.300

CH 260.000



DATUM40.0														
DESIGN SURFACE	41.431	41.331	41.331	41.293	41.203	41.053	41.093	41.205	41.093	41.053	41.203	41.293	41.331	41.331
EXISTING SURFACE	40.954	40.958	40.960	40.971	40.990	40.991	40.993	41.015	41.035	41.036	41.037	41.051	41.059	41.061
OFFSET	-8.900	-8.300	-8.000	-6.500	-3.800	-3.650	-3.350	0.000	3.350	3.650	3.800	6.500	8.000	8.300

CH 240.000

DATUM40.0														
DESIGN SURFACE	41.343	41.243	41.243	41.205	41.115	40.965	41.005	41.117	41.005	40.965	41.115	41.205	41.243	41.243
EXISTING SURFACE	40.943	40.949	40.952	40.968	40.986	40.998	41.001	41.036	41.054	41.055	41.055	41.061	41.064	41.064
OFFSET	-8.900	-8.300	-8.000	-6.500	-3.800	-3.650	-3.350	0.000	3.350	3.650	3.800	6.500	8.000	8.300

CH 222.402

REVISION	DATE	ISSUE DETAILS	DESIGN	DRAWN	CHECK
1	19/12/19	DRAIN ALIGN AMENDED	R.K	R.K	J.C
0	11/11/19	ISSUED FOR CONSTRUCTION	G.M	G.M	J.C
B	02/10/19	COUNCIL COMMENTS DATED 23/09/19	G.M	G.M	J.C
A	10/04/19	ISSUED FOR APPROVAL	G.M	G.M	M.R

STATUS
ISSUED FOR CONSTRUCTION

SCALE @ A1
1:100 2 1 0 2 4 A1
1:200 A3
HORIZONTAL
1:50 1 0.5 0 1 2 A1
1:100 A3
VERTICAL

CLIENT
HOME LIVING ESTATE

calibre

PROJECT
341 BOUNDARY ROAD
MT DUNEED
STAGE 8

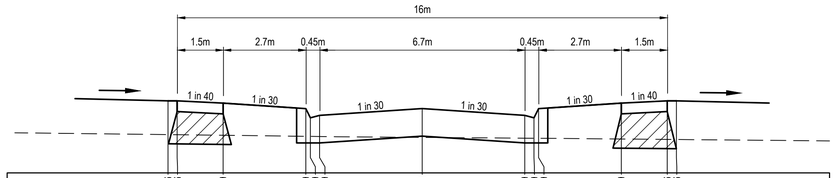
DRAWING TITLE
GREVILLEA STREET
CROSS SECTIONS
CH158.452 - CH274.502

PROJECT No.	DRAWING No.	REVISION
16-001655.8	C10	1

LEGEND

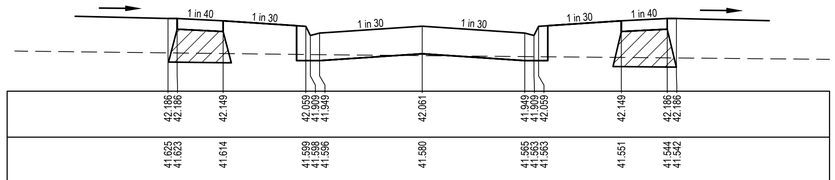
- EXISTING SURFACE
- DESIGN LINE
- SELECT STRUCTURAL FILL

NOTE
SELECT STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE



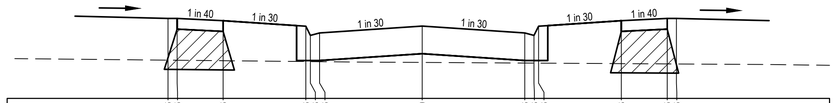
DATUM41.0								
DESIGN SURFACE	42.176	42.139	42.049	42.051	41.939	42.139	42.176	
	42.176		41.899		42.049		42.176	
			41.939					
EXISTING SURFACE	41.625	41.615	41.597	41.580	41.567	41.553	41.547	
	41.623		41.596		41.566		41.545	
			41.594		41.565			
OFFSET	-8.300	-6.500	-3.800	0.000	3.350	6.500	8.000	
	-8.000		-3.650		3.650		8.300	
			-3.350		3.800			

CH 620.000



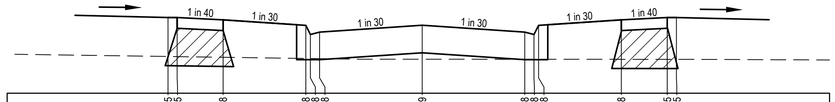
DATUM41.0								
DESIGN SURFACE	42.186	42.149	42.059	42.061	41.949	42.149	42.186	
	42.186		41.909		42.059		42.186	
			41.949					
EXISTING SURFACE	41.625	41.614	41.599	41.580	41.565	41.551	41.544	
	41.623		41.598		41.563		41.542	
			41.596		41.563			
OFFSET	-8.300	-6.500	-3.800	0.000	3.350	6.500	8.000	
	-8.000		-3.650		3.650		8.300	
			-3.350		3.800			

CH 618.006



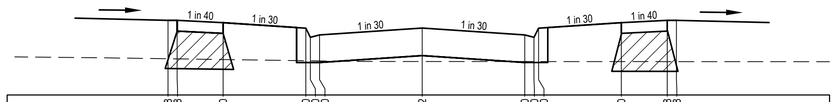
DATUM41.0								
DESIGN SURFACE	42.306	42.268	42.178	42.180	42.068	42.268	42.306	
	42.306		42.028		42.068		42.306	
			42.068		42.178			
EXISTING SURFACE	41.624	41.615	41.602	41.587	41.577	41.567	41.563	
	41.623		41.601		41.577		41.562	
			41.599		41.576			
OFFSET	-8.300	-6.500	-3.800	0.000	3.350	6.500	8.000	
	-8.000		-3.650		3.650		8.300	
			-3.350		3.800			

CH 594.105



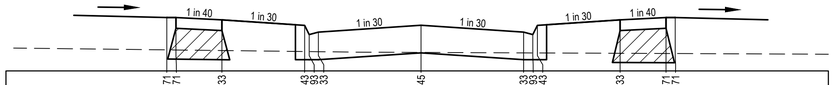
DATUM41.0								
DESIGN SURFACE	42.235	42.198	42.108	42.109	41.998	42.198	42.235	
	42.235		41.958		42.108		42.235	
			41.998					
EXISTING SURFACE	41.600	41.587	41.567	41.555	41.554	41.553	41.553	
	41.597		41.566		41.554		41.553	
			41.564		41.554			
OFFSET	-8.300	-6.500	-3.800	0.000	3.350	6.500	8.000	
	-8.000		-3.650		3.650		8.300	
			-3.350		3.800			

CH 580.000



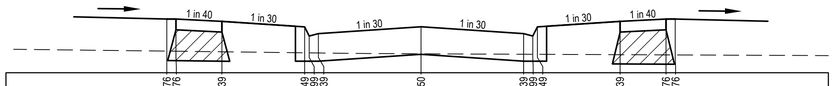
DATUM41.0								
DESIGN SURFACE	42.218	42.180	42.090	42.092	41.980	42.180	42.218	
	42.218		41.940		42.090		42.218	
			41.980					
EXISTING SURFACE	41.591	41.578	41.559	41.546	41.545	41.545	41.544	
	41.589		41.558		41.545		41.544	
			41.555		41.545			
OFFSET	-8.300	-6.500	-3.800	0.000	3.350	6.500	8.000	
	-8.000		-3.650		3.650		8.300	
			-3.350		3.800			

CH 576.487



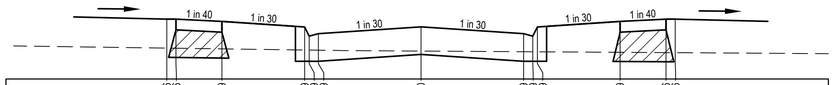
DATUM41.0								
DESIGN SURFACE	41.871	41.833	41.743	41.745	41.633	41.743	41.833	41.871
	41.871		41.593		41.633			41.871
			41.833					
EXISTING SURFACE	41.343	41.333	41.317	41.302	41.295	41.288	41.284	
	41.342		41.316		41.294		41.284	
			41.314		41.294			
OFFSET	-8.300	-6.500	-3.800	0.000	3.350	6.500	8.000	
	-8.000		-3.650		3.650		8.300	
			-3.350		3.800			

CH 681.052



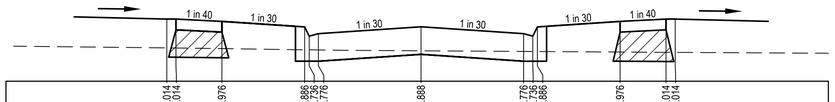
DATUM41.0								
DESIGN SURFACE	41.876	41.839	41.749	41.750	41.639	41.749	41.839	41.876
	41.876		41.599		41.639			41.876
			41.839					
EXISTING SURFACE	41.353	41.342	41.325	41.309	41.302	41.295	41.292	
	41.351		41.325		41.301		41.291	
			41.323		41.301			
OFFSET	-8.300	-6.500	-3.800	0.000	3.350	6.500	8.000	
	-8.000		-3.650		3.650		8.300	
			-3.350		3.800			

CH 680.000



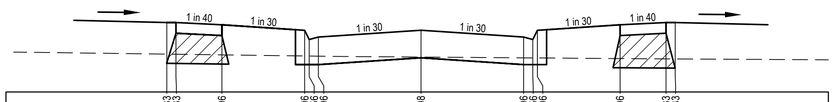
DATUM41.0								
DESIGN SURFACE	41.976	41.939	41.849	41.850	41.739	41.849	41.939	41.976
	41.976		41.599		41.639			41.976
			41.939					
EXISTING SURFACE	41.504	41.491	41.472	41.455	41.445	41.435	41.430	
	41.502		41.471		41.444		41.429	
			41.469		41.443			
OFFSET	-8.300	-6.500	-3.800	0.000	3.350	6.500	8.000	
	-8.000		-3.650		3.650		8.300	
			-3.350		3.800			

CH 660.000



DATUM41.0								
DESIGN SURFACE	42.014	41.976	41.886	41.888	41.776	41.886	41.976	42.014
	42.014		41.736		41.776			42.014
			41.776					
EXISTING SURFACE	41.544	41.532	41.513	41.496	41.486	41.476	41.472	
	41.542		41.512		41.485		41.471	
			41.510		41.485			
OFFSET	-8.300	-6.500	-3.800	0.000	3.350	6.500	8.000	
	-8.000		-3.650		3.650		8.300	
			-3.350		3.800			

CH 652.487



DATUM41.0								
DESIGN SURFACE	42.133	42.096	42.006	42.008	41.896	42.006	42.096	42.133
	42.133		41.856		41.896			42.133
			41.896					
EXISTING SURFACE	41.617	41.605	41.587	41.570	41.557	41.545	41.540	
	41.615		41.586		41.556		41.539	
			41.584		41.555			
OFFSET	-8.300	-6.500	-3.800	0.000	3.350	6.500	8.000	
	-8.000		-3.650		3.650		8.300	
			-3.350		3.800			

CH 628.587

REVISION	DATE	ISSUE DETAILS	DESIGN	DRAWN	CHECK
0	11/11/19	ISSUED FOR CONSTRUCTION	G.M	G.M	J.C
B	02/10/19	COUNCIL COMMENTS DATED 23/09/19	G.M	G.M	J.C
A	10/04/19	ISSUED FOR APPROVAL	G.M	G.M	M.R

STATUS
ISSUED FOR CONSTRUCTION

SCALE @ A1
1:100 2 1 0 2 4 A1
1:200 A3
HORIZONTAL
1:50 1 0.5 0 1 2 A1
1:100 A3
VERTICAL

CLIENT
HOME LIVING ESTATE

calibre

PROJECT
341 BOUNDARY ROAD
MT DUNEED
STAGE 8

DRAWING TITLE
GREVILLEA STREET
CROSS SECTIONS
CH576.487 - CH681.052

PROJECT No.	DRAWING No.	REVISION
16-001655.8	C11	0

NOTES

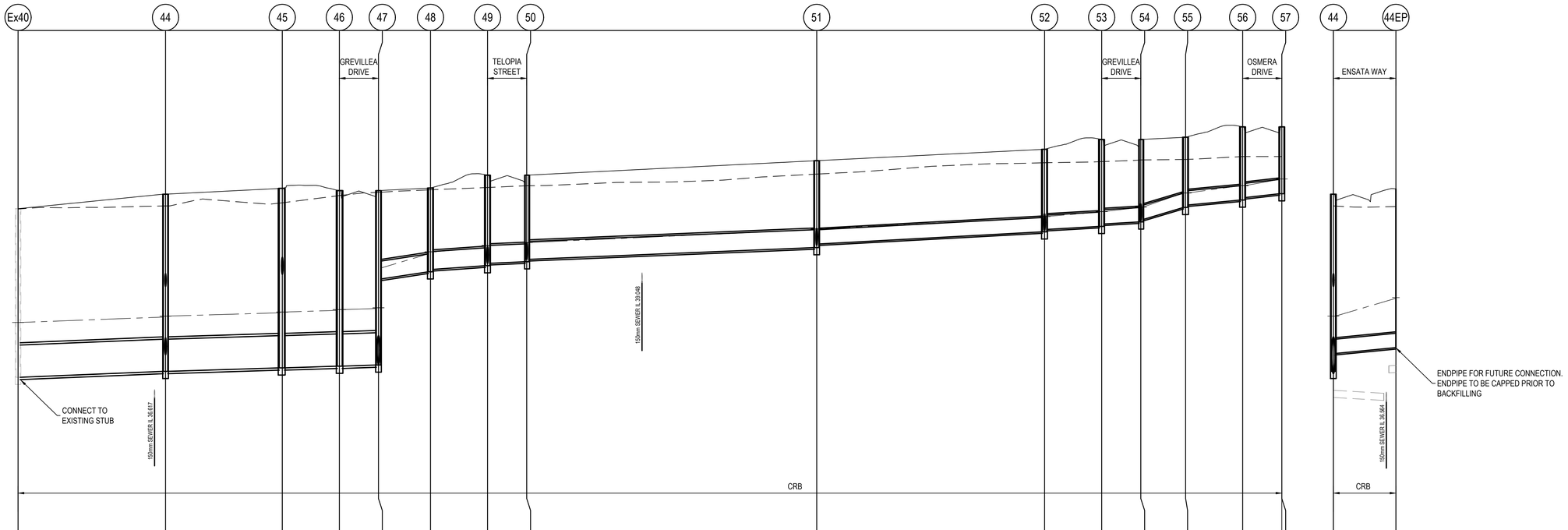
1. PIPE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED WITH 20mm NOM. SIZE CLASS 3 CRUSHED ROCK TO BE COMPACTED TO A DRY DENSITY NOT LESS THAN 98% MODIFIED RELATIVE COMPACTION IN 150mm THICK LAYER FOR THE FOLLOWING:
   - BENEATH DRIVEWAY CROSSOVERS TO THE UNDERSIDE OF THE PAVEMENT OR CROSSOVER.
   - 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.
2. 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.
3. ALL DRAINAGE PIPES TO BE SPIGOT-SOCKET RUBBER RING JOINTED (RRJ). DRAINAGE PIPES GREATER THAN 750Ø WITHSTANDING THE ABOVE, MAY BE FLUSH.
4. ALL DRAINAGE PIPES SHALL BE CLASS 2 RCP, UNLESS OTHERWISE NOTED.
5. WHERE PITS DROP LESS THAN 50mm, THE PIT FLOOR MUST BE SHAPED TO MATCH THE LOWER HALF OF THE PIPE.
6. 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



| | | |

NOTES

1. 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.
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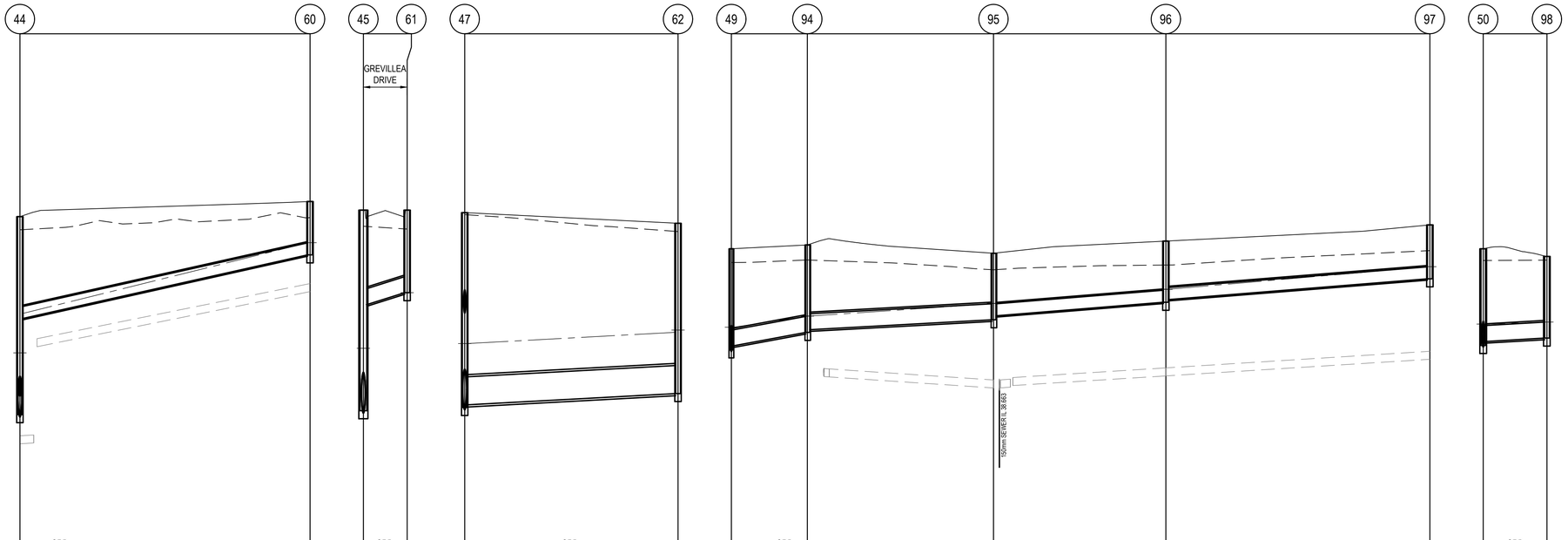
REINFORCED CONCRETE PIPES

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



	44–60	45–61	47–62	49–94	94–95	95–96	96–97	50–98
DESIGN FLOW (m3/s)	0.024	0.000	0.313	0.035	0.036	0.037	0.022	0.016
CAPACITY (m3/s)	0.067	0.160	0.313	0.129	0.071	0.040	0.040	0.071
AT GRADE VELOCITY (m/s)	1.67	2.26	1.44	1.82	1	1	1	1
PIPE SIZE (mm)	225Ø	300Ø	525Ø	300Ø	300Ø	225Ø	225Ø	300Ø
GRADE	1 in 45.6	1 in 36.5	1 in 189	1 in 56.4	1 in 187	1 in 127	1 in 127	1 in 187
DATUM	32.0	32.0	32.0	33.0				33.0
DEPTH TO INVERT	3.711 / 1.911 / 1.000	3.760 / 1.772 / 1.547	3.652 / 3.602 / 3.191	1.895 / 1.826 / 1.639	1.589 / 1.248	1.173 / 1.146	1.096 / 1.012	1.813 / 1.738 / 1.531
HYDRAULIC GRADE LINE	38.300 / 38.321 / 39.057 / 40.382 / 40.385	38.390 / 38.406 / 39.224 / 39.449	38.479 / 38.495 / 38.706 / 38.748	39.751 / 39.800 / 40.004 / 40.240 / 40.247	40.010 / 40.494	40.512 / 40.932 / 40.935		39.833 / 39.859 / 39.897 / 39.898
INVERT LEVEL	37.163 / 38.963 / 40.157	37.236 / 39.224 / 39.449	37.296 / 37.346 / 37.558	39.376 / 39.451 / 39.704 / 39.940	39.754 / 40.015	40.269	40.319 / 40.707	39.458 / 39.533 / 39.597
FINISHED SURFACE LEVELS	40.873 / 41.156	40.996 / 40.996	40.948 / 40.748	41.271 / 41.342 / 41.188		41.415 / 41.719		41.271 / 41.128
EXISTING SURFACE LEVEL	40.627 / 40.855	40.693 / 40.640	40.911 / 40.592	41.013 / 41.061 / 40.877		40.966 / 41.237		41.050 / 41.058
CHAINAGE (Reach Length)	0.000 / 54.400 (54.400)	0.000 / 8.205 (8.205)	0.000 / 39.999 (39.999)	0.000 / 14.250 (14.250)	49.150 / 50.250 (34.900)	81.468 (32.318)	130.968 (49.500)	0.000 / 11.950 (11.950)

REVISION	DATE	ISSUE DETAILS	DESIGN	DRAWN	CHECK
1	19/12/19	DRAIN ALIGN AMENDED	R.K	R.K	J.C
0	11/11/19	ISSUED FOR CONSTRUCTION	G.M	G.M	J.C
A	10/04/19	ISSUED FOR APPROVAL	G.M	G.M	M.R

STATUS: **ISSUED FOR CONSTRUCTION**

SCALE @ A1: 1:500 A1, 1:1000 A3 — HORIZONTAL (10 5 0 10 20); 1:50 A1, 1:100 A3 — VERTICAL (1 0.5 0 1 2)

CLIENT: **HOME LIVING ESTATE**

calibre

PROJECT: **341 BOUNDARY ROAD MT DUNEED STAGE 8**

DRAWING TITLE: **DRAINAGE LONGITUDINAL SECTIONS - 2**

PROJECT No.	DRAWING No.	REVISION
16-001655.8	C13	1

NOTES

1. 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.
2. 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.
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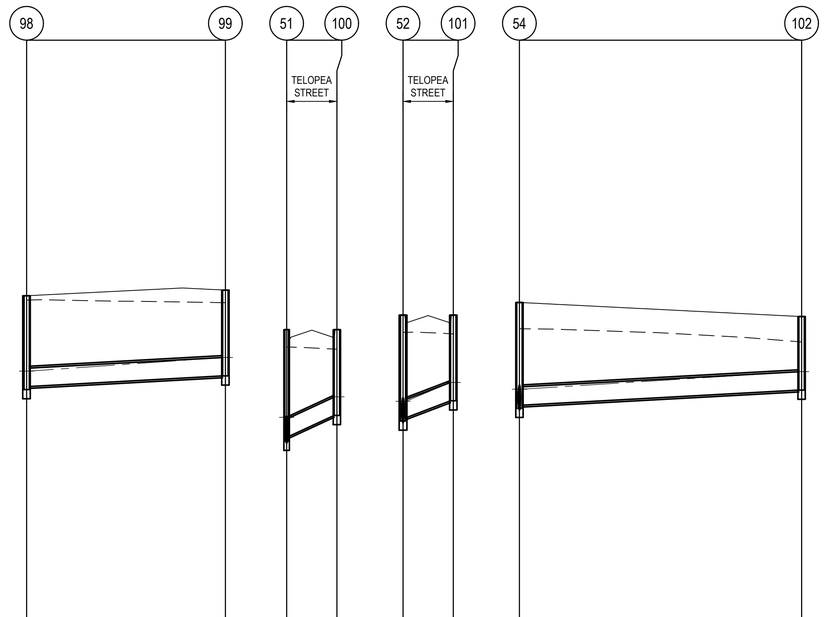
4. ALL DRAINAGE PIPES SHALL BE CLASS 2 RCP, UNLESS OTHERWISE NOTED.
5. WHERE PITS DROP LESS THAN 50mm, THE PIT FLOOR MUST BE SHAPED TO MATCH THE LOWER HALF OF THE PIPE.
6. ALL SPLAYED SECTIONS OF PIPE ARE TO BE BACKFILLED WITH 2% STABILIZED SAND, 300mm ABOVE TOP OF PIPE

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



	98	99	51	100	52	101	54	102
DESIGN FLOW (m3/s)		0.005		0.006		0.002		0.021
CAPACITY (m3/s)		0.071		0.198		0.178		0.071
AT GRADE VELOCITY (m/s)		1		2.81		2.52		1
PIPE SIZE (mm)		300Ø		300Ø		300Ø		300Ø
GRADE		1 in 187		1 in 23.8		1 in 29.4		1 in 187
DATUM		33.0		34.0		34.0		34.0
DEPTH TO INVERT	1.531 1.481	1.400	1.820 1.745	1.400	1.729 1.679	1.400	1.726 1.676	1.200
HYDRAULIC GRADE LINE	39.897 39.898	40.121	40.130 40.145	40.475 40.479	40.385 40.406	40.714	40.593 40.603	40.889 40.890
INVERT LEVEL	39.597 39.647	39.821	39.755 39.830	40.175	40.085 40.135	40.414	40.293 40.343	40.589
FINISHED SURFACE LEVELS	41.128	41.220	41.575	41.575	41.814	41.814	42.019	41.789
EXISTING SURFACE LEVEL	41.058	41.016	41.294	41.255	41.532	41.505	41.590	41.375
CHAINAGE (Reach Length)	11.950	44.400 (32.450)	0.000	8.200 (8.200)	0.000	8.200 (8.200)	0.000	46.062 (46.062)

REVISION	DATE	ISSUE DETAILS	DESIGN	DRAWN	CHECK
0	11/11/19	ISSUED FOR CONSTRUCTION	G.M	G.M	J.C
A	10/04/19	ISSUED FOR APPROVAL	G.M	G.M	M.R

STATUS: **ISSUED FOR CONSTRUCTION**

SCALE @ A1
1:500 10 5 0 10 20 A1
1:1000 A3
HORIZONTAL
1:50 1 0.5 0 1 2 A1
1:100 A3
VERTICAL

CLIENT: **HOME LIVING ESTATE**

calibre

PROJECT: **341 BOUNDARY ROAD MT DUNEED STAGE 8**

DRAWING TITLE: **DRAINAGE LONGITUDINAL SECTIONS - 3**

PROJECT No.	DRAWING No.	REVISION
16-001655.8	C14	0

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)				
40	Ex PIT	0.900	0.900	675	37.039			40.569	3.530		CONNECT TO EXISTING 675 DIA. STUB
44	JP	0.900	0.900	675 300 225	37.163 37.538 38.963	675	37.163	40.873	3.711	SD420 AND SD410	HAUNCH PIT TO 600x900 COVER
44EP	ENDPIPE					300	37.661	40.984	3.324		ENDPIPE FOR FUTURE CONNECTION. ENDPIPE TO BE CAPPED PRIOR TO BACKFILLING
45	SEP	1.200	0.900	675 300	37.236 39.224	675	37.236	40.996	3.760	SD430 AND SD410	HAUNCH PIT TO 600x900 COVER
46	SEP	0.900	1.200	675	37.272	675	37.272	40.948	3.676	SD430 AND SD410	HAUNCH PIT TO 600x900 COVER
47	SEP	0.900	0.900	375 525	39.096 37.346	675	37.296	40.948	3.652	SD430 AND SD410	HAUNCH PIT TO 600x900 COVER. PROVIDE 525 DIA. BLOCKOUT IN NORTH WALL OF PIT FOR FUTURE CONNECTION. IL37.608
48	SEP	0.600	0.900	375	39.298	375	39.248	41.003	1.754	SD430	
49	SEP	0.900	0.900	375 300	39.426 39.451	375	39.376	41.271	1.895	SD430 AND SD410	HAUNCH PIT TO 600x900 COVER
50	SEP	0.900	0.900	375 300	39.508 39.533	375	39.458	41.271	1.813	SD430 AND SD410	HAUNCH PIT TO 600x900 COVER
51	SEP	0.900	0.900	300 300	39.830 39.830	375	39.755	41.575		SD430 AND SD410	HAUNCH PIT TO 600x900 COVER
52	SEP	0.600	0.900	300 300	40.135 40.135	300	40.085	41.814	1.729	SD430	
53	SEP	0.900	0.900	300	40.249	300	40.199	42.019	1.820	SD430 AND SD410	HAUNCH PIT TO 600x900 COVER
54	SEP	0.600	0.900	300 300	40.343 40.343	300	40.293	42.019	1.726	SD430	
55	JP	0.600	0.900	300	40.647	300	40.597	42.066	1.469	SD420	
56	SEP	0.600	0.900	300	40.801	300	40.751	42.283	1.532	SD430	
57	SEP	0.600	0.900			300	40.883	42.283	1.400	SD430	
60	JP	0.600	0.900			225	40.157	41.156	1.000	SD425	
61	SEP	0.600	0.900			300	39.449	40.996	1.547	SD430	
62	JP	0.900	0.900			525	37.558	40.748	3.191	SD420 AND SD410	HAUNCH PIT TO 600x900 COVER
94	JP	0.600	0.900	300	39.754	300	39.704	41.342	1.639	SD420	
95	JP	0.600	0.900	225	40.015	300	39.940	41.188	1.248	SD425	
96	JP	0.600	0.900	225	40.319	225	40.269	41.415	1.146	SD425	
97	JP	0.600	0.900			225	40.707	41.719	1.012	SD425	
98	JP	0.600	0.900	300	39.647	300	39.597	41.128	1.531	SD420	
99	JP	0.600	0.900			300	39.821	41.220	1.400	SD420	
100	SEP	0.600	0.900			300	40.175	41.575	1.400	SD430	
101	SEP	0.600	0.900			300	40.414	41.814	1.400	SD430	
102	JP	0.600	0.900			300	40.589	41.789	1.200	SD420	

REVISION	DATE	ISSUE DETAILS	DESIGN	DRAWN	CHECK
1	19/12/19	DRAIN ALIGN AMENDED	R.K	R.K	J.C
0	11/11/19	ISSUED FOR CONSTRUCTION	G.M	G.M	J.C
B	02/10/19	COUNCIL COMMENTS DATED 23/09/19	G.M	G.M	J.C
A	10/04/19	ISSUED FOR APPROVAL	G.M	G.M	M.R

STATUS

ISSUED FOR CONSTRUCTION

SCALE @ A1

CLIENT

HOME LIVING ESTATE

calibre

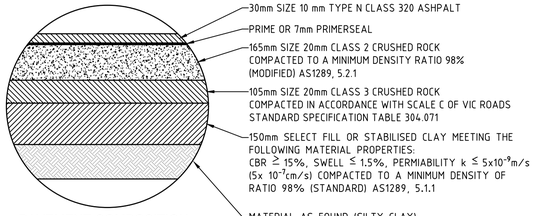
PROJECT

341 BOUNDARY ROAD
MT DUNEED
STAGE 8

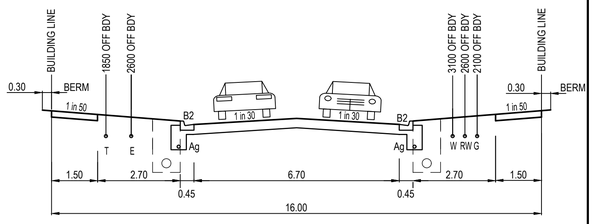
DRAWING TITLE

PIT SCHEDULE

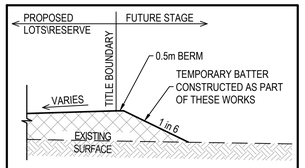
PROJECT No.	DRAWING No.	REVISION
16-001655.8	C15	1



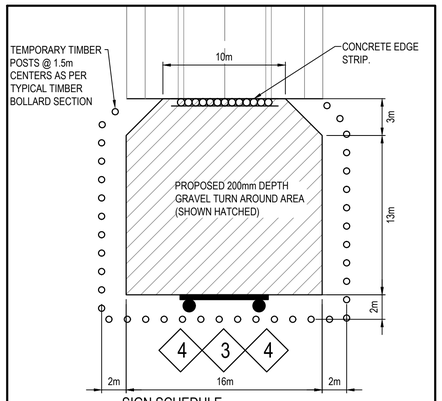
PAVEMENT COMPOSITION
GREVILLEA DRIVE, TELOPEA STREET, OSMERA DRIVE AND ENSATA WAY
450mm DEPTH
NTS



16.0m ROAD RESERVE
TWO WAY CROSS FALL
GREVILLEA DRIVE, TELOPEA STREET,
OSMERA STREET & ENSATA WAY



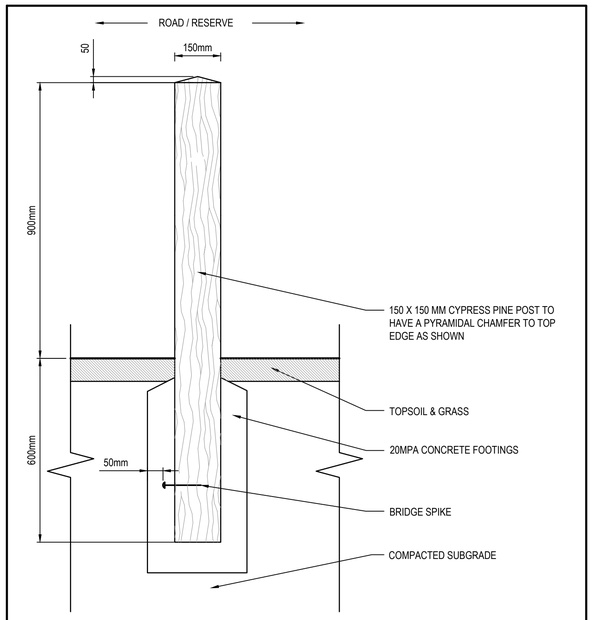
LOT FILLING AT STAGE BOUNDARY



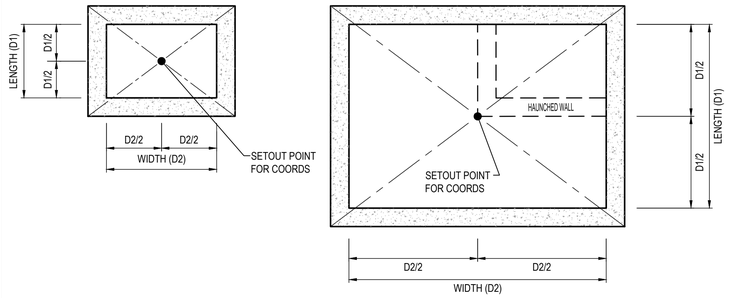
SIGN SCHEDULE

SIGN	REF
D4-5A	3
ROAD CLOSED T2-4A	4

TYPICAL TEMPORARY TURN AREA DETAIL
NTS



BOLLARD DETAIL
NTS



PIT SETOUT DETAIL
NOT TO SCALE

GENERAL NOTES

1. 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.
2. 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.
3. THE CONTRACTOR SHALL:
   - 3.1. COMPLY WITH THE "SAFETY PRECAUTIONS IN TRENCHING OPERATIONS" (CODE OF PRACTICE No.8, 1998)
   - 3.2. NOTIFY WORK SAFE OF HIS INTENTION TO COMMENCE TRENCHING OPERATIONS WHERE TRENCHES ARE 1.5 METRES OR DEEPER.
   - 3.3. ENSURE THAT THE MINE MANAGER OR HIS DEPUTY AS REQUIRED BY THE REGULATIONS IS IN ATTENDANCE WHEN TRENCHING OPERATIONS ARE IN PROGRESS.
4. THE CONTRACTOR IS TO NOTIFY COUNCIL AND ALL SERVICE AUTHORITIES SEVEN (7) DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
5. THE LOCATION OF EXISTING SERVICES SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCING ANY EXCAVATION BY CONTACTING ALL RELEVENT SERVICE AUTHORITIES. ANY EXISTING SERVICES SHOWN ON THE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT.
6. 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.
7. 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.
8. ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM.
9. WHEN ENGAGED IN BLASTING OPERATIONS THE CONTRACTOR SHALL NOT BLAST WITHIN 4.5m OF AN EXISTING LINE OF WATER, GAS OR SEWER PIPES OR WITHIN 15m OF ANY COMPLETED PART OF THE WORKS WITHOUT THE CONSENT OF THE SUPERINTENDENT.
10. ALL EXCAVATED OR FILLED AREAS OUTSIDE THE ROAD RESERVES TO BE STRIPPED OF TOPSOIL AND STOCKPILED PRIOR TO EARTHWORKS COMMENCING. THESE AREAS SHALL BE SURFACED WITH A 150mm LAYER OF TOPSOIL AS SPECIFIED.
11. NO TOPSOIL TO BE REMOVED FROM SITE.
12. NO FILL OR STOCKPILING OF MATERIAL IS TO BE PLACED ON ANY RESERVE UNLESS DIRECTED BY THE SUPERINTENDENT.
13. 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.
14. FILLING UNDER DRIVEWAYS AND FOOTPATH IS TO BE APPROVED BY THE SUPERINTENDENT AND CONSTRUCTED IN LAYERS 150mm DEPTH. COMPACTION ACHIEVING 98% AUSTRALIAN STANDARD DENSITY.
15. CUT AND FILL BATTERS ARE NOT TO EXCEED 1 in 6 UNLESS SHOWN OTHERWISE.
16. ALL DRAINAGE PIPES ARE TO BE SPIGOT-SOCKET RUBBER RING JOINTED.
17. ALL DRAINAGE TRENCHES UNDER PARKING BAYS, DRIVEWAYS, FOOTPATHS AND BEHIND KERB & CHANNEL, SHALL BE BACKFILLED WITH CRUSHED ROCK AS SPECIFIED.
18. 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.
19. 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.
20. 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.
21. SUBSOIL DRAINS SHALL BE INSTALLED BEHIND OR BELOW ALL KERB AND CHANNEL AS PER INFRASTRUCTURE DESIGN MANUAL SD145.
22. 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.
23. 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.
24. NO COMMUNICATION PITS ARE TO BE LOCATED IN THE FOOTPATH.
25. 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 GREATER CITY OF GEELONG STANDARD DRAWING.
26. ALL PEDESTRIAN CROSSING TO BE IN ACCORDANCE WITH INFRASTRUCTURE DESIGN MANUAL SD200.
27. 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.
28. 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.
29. UPON COMPLETION OF CONSTRUCTION THE WHOLE SITE SHALL BE CLEANED UP, GRADED, ALL RUBBISH REMOVED AND LEFT IN A CLEAN AND TIDY CONDITION TO THE SATISFACTION OF THE SUPERINTENDENT.
30. ALL AREAS OF SUBDIVISION EXPOSED OF VEGETATION, INCLUDING NATURE STRIPS, LOTS AND RESERVES ARE TO BE FULLY GRASSED BY HYDRO MULCHING, WATERED AND MAINTAINED, UNTILL THE END OF MAINTENANCE PERIOD.
31. 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.
32. CITY OF GREATER GEELONG REQUIRES CCTV OF ALL DRAINAGE PIPES AND PITS, PRIOR TO THE ISSUE OF THE STATEMENT OF COMPLIANCE

REVISION	DATE	ISSUE DETAILS	DESIGN	DRAWN	CHECK
0	11/11/19	ISSUED FOR CONSTRUCTION	G.M	G.M	J.C
B	02/10/19	COUNCIL COMMENTS DATED 23/09/19	G.M	G.M	J.C
A	10/04/19	ISSUED FOR APPROVAL	G.M	G.M	M.R

STATUS: **ISSUED FOR CONSTRUCTION**

SCALE @ A1

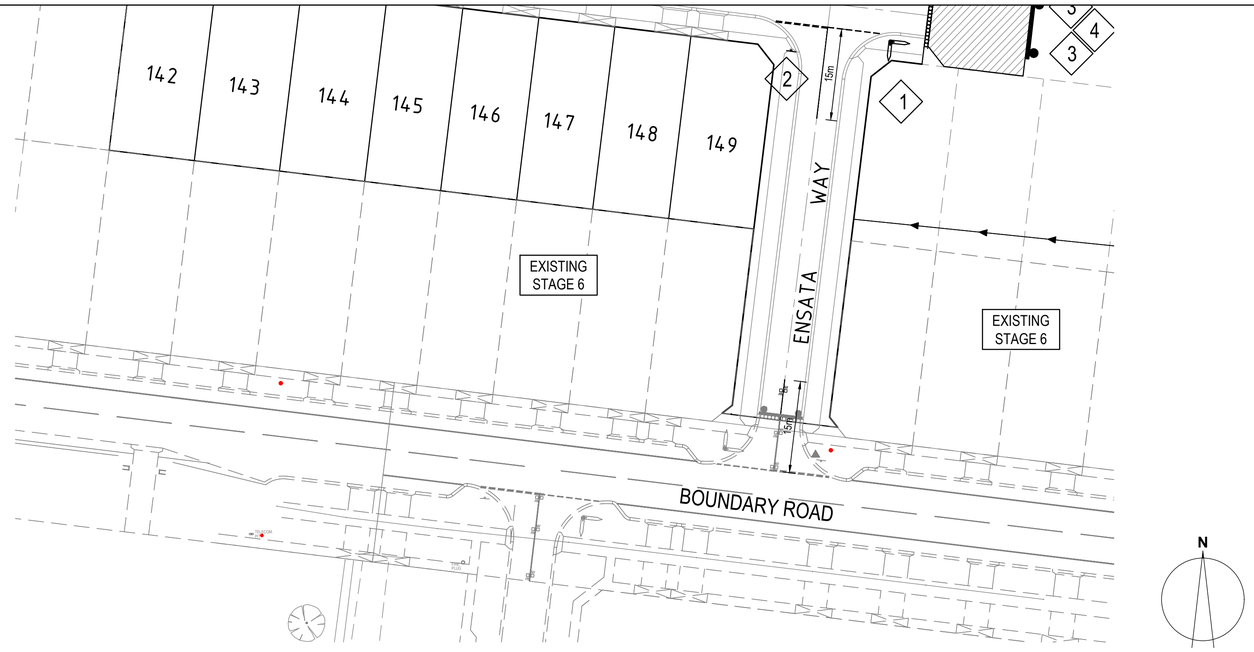
CLIENT: HOME LIVING ESTATE

calibre

PROJECT: **341 BOUNDARY ROAD MT DUNEED STAGE 8**

DRAWING TITLE: **GENERAL NOTES & DETAILS**

PROJECT No.	DRAWING No.	REVISION
16-001655.8	C16	0

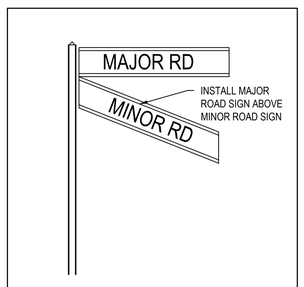


SIGN SCHEDULE

SIGN	REF	Nos
STREET SIGN	1	REFER STREET SIGN SCHEDULE
GIVE WAY R1-2	2	1
D4-5A	3	4
ROAD CLOSED T2-4A	4	2

STREET SIGN SCHEDULE

STREET NAME	Nos
TELOPEA ST	2
GREVILLEA DR	2
ENSATA WAY	1
OSMERA ST	1



STREET SIGN LAYOUT
NTS

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

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 DETAILS	DESIGN	DRAWN	CHECK
0	11/11/19	ISSUED FOR CONSTRUCTION	G.M	G.M	J.C
C	02/10/19	COUNCIL COMMENTS DATED 23/09/19	G.M	G.M	J.C
B	26/08/19	FOOTPATH CROSSING UPDATES	G.M	G.M	J.C
A	10/04/19	ISSUED FOR APPROVAL	G.M	G.M	M.R

STATUS: **ISSUED FOR CONSTRUCTION**

SCALE @ A1: 1:500 (10 5 0 10 20) A1; 1:1000 A3

CLIENT: **HOME LIVING ESTATE**

calibre

PROJECT: **341 BOUNDARY ROAD MT DUNEED STAGE 8**

DRAWING TITLE: **SIGNAGE & LINEMARKING PLAN**

PROJECT No.	DRAWING No.	REVISION
16-001655.8	C17	0

REVISION	DATE	ISSUE DETAILS	DESIGN	DRAWN	CHECK
0	11/11/19	ISSUED FOR CONSTRUCTION	G.M	G.M	J.C
B	02/10/19	COUNCIL COMMENTS DATED 23/09/19	G.M	G.M	J.C
A	10/04/19	ISSUED FOR APPROVAL	G.M	G.M	M.R

STATUS

ISSUED FOR CONSTRUCTION

SCALE @ A1

1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT

HOME LIVING ESTATE

calibre

PROJECT

341 BOUNDARY ROAD
MT DUNEED
STAGE 8

DRAWING TITLE

SUBDIVISION SETOUT PLAN

PROJECT No.	DRAWING No.	REVISION
16-001655.8	C18	0