SERVICES OFFSETS AND LOCATIONS

STREET NAME	Rd.RESERVE	WATER		SEWER RISING MAIN	GAS	ELECTRICITY		FIBRE TO THE HOME		Bk. of KERB	JOINT TRENCHING
		DW	NDW			CABLES	POLES	FTTH CABLES	FTTH PITS		
COBBLEWOOD ROAD	25.50	3.20 N	2.70 N	-	2.25 N	2.60 S	1.00 BOK	1.85 S	1.85 N	6.85S / 6.85N	W & G, E & FTTH
THICKET DRIVE	16.00	3.20 S	2.70 S	-	2.25 S	2.60 N	1.00 BOK	1.85 N	1.85 S	4.35S / 4.05N	W & G, E & FTTH
VESTIGE CIRCUIT (N/S Lots 1801-1807)	16.00	3.20 W	2.70 W	-	2.25 W	2.60 E	1.00 BOK	1.85 E	1.85 W	4.35W / 4.05E	W & G, E & FTTH
VESTIGE CIRCUIT (EAST-WEST)	16.00	3.20 S	2.70 S	-	2.25 S	2.60 N	1.00 BOK	1.85 N	1.85 S	4.35S / 4.05N	W & G, E & FTTH
VESTIGE CIRCUIT (N/S Lots 1837-1840)	16.00	3.20 E	2.70 E	-	2.25 E	2.60 W	1.00 BOK	1.85 W	1.85 E	4.35E / 4.05W	W & G, E & FTTH
EXTENDED DRIVEWAY (Lots 1808-1809)	12.00	2.60 W	2.10 W	-	1.60 W	3.80 W	-	3.30 W	-	-	W & G, E & FTTH
EXTENDED DRIVEWAY (Lots 1841-1842)	12.00	2.60 E	2.10 E	-	1.60 E	3.80 E	-	3.30 E	-	-	W & G, E & FTTH
PUTTERS WALK (FUTURE)	4.50	2.75 E	2.30 E	-	1.85 E	3.75 E	-	3.25 E	-	-	W & G, E & FTTH

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WARNING
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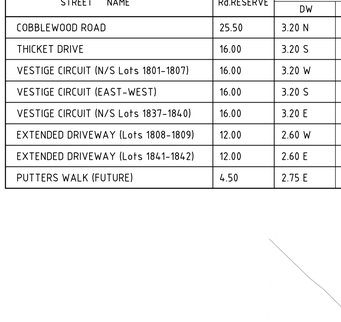
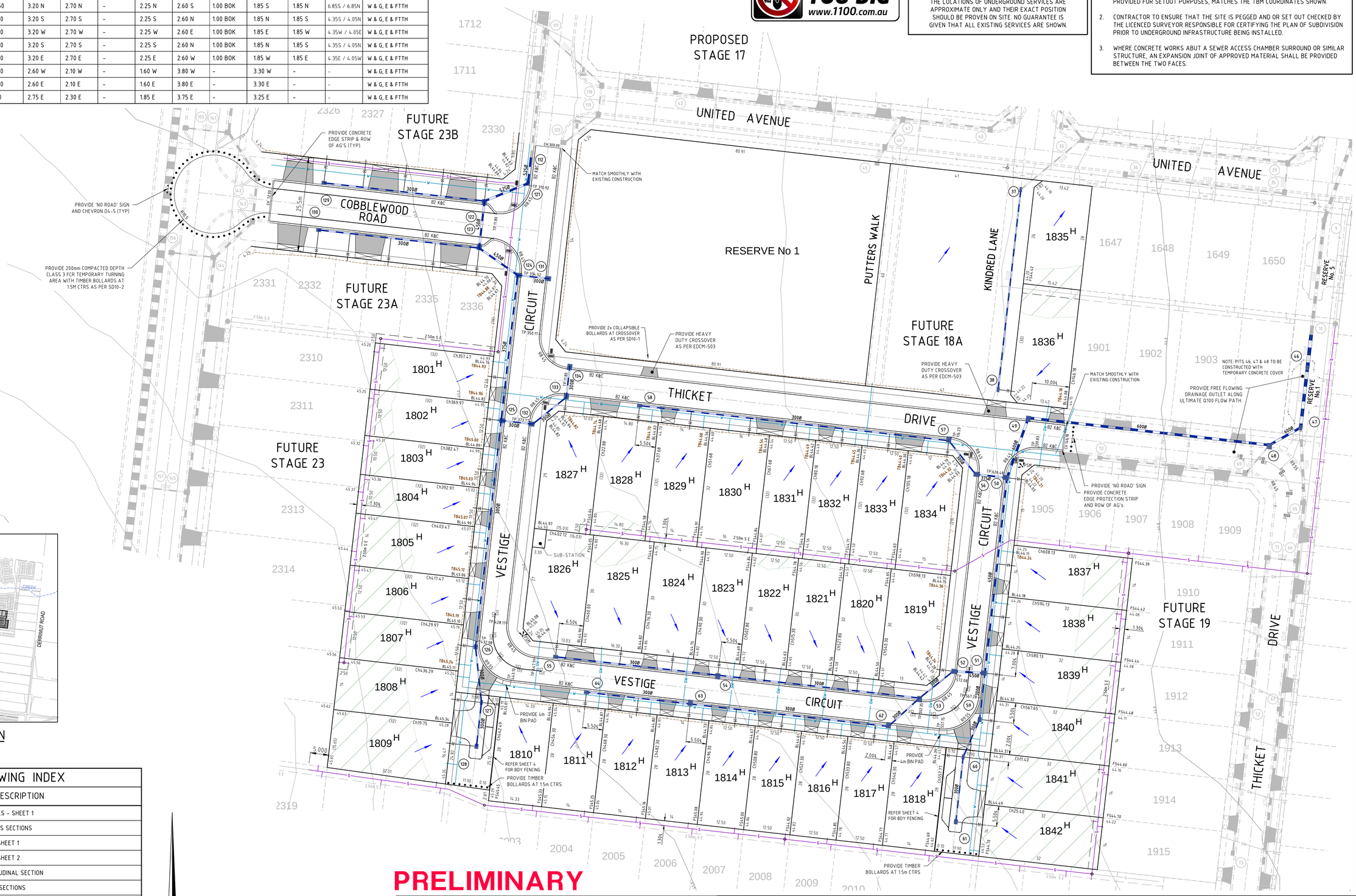
3. WHERE CONCRETE WORKS ABUT A SEWER ACCESS CHAMBER SURROUND OR SIMILAR STRUCTURE, AN EXPANSION JOINT OF APPROVED MATERIAL SHALL BE PROVIDED BETWEEN THE TWO FACES.



LOCALITY PLAN
1:20,000

SHT. No.	VER	DRAWING INDEX DESCRIPTION
1	P1	LAYOUT PLAN AND DETAILS - SHEET 1
2	P1	NOTES AND TYPICAL CROSS SECTIONS
3	P1	INTERSECTION DETAILS - SHEET 1
4	P1	INTERSECTION DETAILS - SHEET 2
5	P1	VESTIGE CIRCUIT - LONGITUDINAL SECTION
6	P1	VESTIGE CIRCUIT - CROSS SECTIONS
7	P1	COBBLEWOOD ROAD - LONGITUDINAL & CROSS SECTIONS
8	P1	THICKET DRIVE- LONGITUDINAL & CROSS SECTIONS
9	P1	ACCESS DRIVEWAYS - LONGITUDINAL & CROSS SECTIONS
10	P1	DRAINAGE LONGITUDINAL SECTIONS - SHEET 1
11	P1	DRAINAGE LONGITUDINAL SECTIONS - SHEET 2 & DRAINAGE PIT SCHEDULE
12	P1	DRAINAGE LONGITUDINAL SECTIONS - SHEET 3 & DRAINAGE PIT SCHEDULE
13	P1	SIGNAGE & LINEMARKING PLAN



PLAN
1:500

North

LENGTHS ARE IN METRES
10 5 0 10 20 40
SCALE 1 : 500 (A1)

PRELIMINARY

LEGEND

PROPOSED DRAINAGE
EXISTING DRAINAGE
DRAINAGE PIT/DIA./FLOW
PROPERTY INLET
HOUSE DRAIN
PROPOSED / EXIST SEWER
PROPOSED / EXIST WATER
FILL - PROP / EXIST
CUT - PROP / EXIST
LOT FALL
LOT LEVEL - F.S. / EXIST
F.S. AT BUILDING LINE
TOP / TOE OF BATTER
KERBING TYPE
LOT BDY CHAINAGE
LOTS EASEMENT
STREET SIGN
LINEMARKING
REMOVE EXIST TREE

VER	DATE	REMARKS

AMENDMENTS

breese pitt dixon pty. ltd.
land surveyors civil engineers
1/19 cato street
hawthorn east, 3123
telephone 8823 2300
fax no. 8823 2310

MELWAY REF.	360-F10
SURVEY	BPD
DESIGN	TBC
DRAWN	
CHECKED	

ROTHWELL WEST
STAGE 18
LAYOUT PLAN AND DETAILS

MUNICIPALITY	WYNDHAM
REFERENCE	8584 E/18
SCALE	As Shown
DATUM	AHD
DATE	Sep'17
SHEET	1 OF 13 P1

Plotted: Sep 01, 2017 - 3:23pm

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NOTES

1. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH WYNDHAM CITY COUNCIL PLANS AND SPECIFICATIONS APPROVED BY COUNCIL AND TO THE SATISFACTION OF THE DIRECTOR ENGINEERING SERVICES OR HIS REPRESENTATIVE.
2. COUNCIL AND ALL SERVICE AUTHORITIES TO BE NOTIFIED 7 CLEAR DAYS PRIOR TO COMMENCEMENT OF WORKS.
3. DRAINAGE AND PITS TO BE SET OUT FROM OFFSETS SHOWN RATHER THAN FROM PIPE CHAINAGES.
4. PROPERTY INLETS ARE TO BE PLACED 1.0m FROM THE LOW CORNER OF LOT UNLESS OTHERWISE SHOWN.
5. LOTS DENOTED THUS 31H ARE TO BE PROVIDED WITH A 100mm. DIA. HOUSE DRAIN PLACED 5.5m FROM LOW CORNER OF LOT UNLESS SHOWN OTHERWISE. HOUSE DRAIN TO BE CONNECTED TO STORMWATER DRAINS IF PRESENT. COVER AT THE BUILDING LINE TO BE MINIMUM OF 600mm.
6. ALL PIPES UNDER ROAD PAVEMENTS TO BE RRJ RCP (REFER DRAINAGE LONGITUDINAL SECTIONS FOR RELEVANT PIPE CLASS). ALL OTHER PIPES TO BE RRJ RCP CLASS 2.
7. DRAINAGE PIPES LAID ON A CURVE MUST BE RRJ AND THE RADIUS OF CURVATURE COMPLY WITH THE MANUFACTURERS SPECIFICATIONS. DRAINAGE PIPES LAID ON A CURVE SHALL HAVE THE BUILDING LINE PEGGED AT MINIMUM 15m INTERVALS.
8. ALL SEWER MAINS, CONDUITS & PIPES UNDER ROAD PAVEMENT, CONCRETE DRIVEWAYS, FOOTPATHS AND PARKING BAYS ARE TO BE BACKFILLED WITH 20mm CLASS 2 BASALTIC FCR COMPACTED TO THE SATISFACTION OF THE DIRECTOR ENGINEERING SERVICES OR HIS REPRESENTATIVE. WHERE SEWER MAINS ARE ADJACENT TO STORMWATER PIPELINES THE BACKFILL OF THE DEEPER TRENCH SHALL BE IN ACCORDANCE WITH COUNCILS STANDARD DRAWING SD6-10 (1996)
9. DRAINAGE PIPES BEHIND BACK OF KERB TO BE BACKFILLED WITH 20mm. CLASS 3 BASALTIC ROCK COMPACTED TO THE SATISFACTION OF THE DIRECTOR ENGINEERING SERVICES OR HIS REPRESENTATIVE.
10. AGRICULTURAL PIPE DRAINS TO BE PLACED BEHIND ALL KERB AND CHANNEL, KERB ONLY AND EDGE STRIPS. REFER TO MPA STANDARD DRAWING FIG 020.
11. PRIOR TO COMMENCEMENT OF WORKS ON SITE, THE CONTRACTOR MUST ENSURE THAT ALL MATTERS RELATING TO THE OCCUPATIONAL HEALTH AND SAFETY ACT 2004, INCLUDING ALL RELEVANT REGULATIONS, HAVE BEEN ADDRESSED. IN PARTICULAR, THE REQUIRED NOTIFICATIONS MUST BE CONVEYED TO THE VICTORIAN WORKCOVER AUTHORITY - HEALTH & SAFETY DIVISION WITH RESPECT TO TRENCHING OPERATIONS. DETAILS OF THE CONTRACTORS OCCUPATIONAL HEALTH & SAFETY PROCEDURES MUST BE LODGED WITH THE DIRECTOR ENGINEERING SERVICES OR HIS REPRESENTATIVE PRIOR TO COMMENCEMENT OF WORKS.
12. BATTERS SHALL BE IN 1 IN 6 FOR CUT AND FILL UNLESS OTHERWISE SHOWN.
13. PRIOR TO COMMENCEMENT OF WORKS,THE CONTRACTOR SHALL PROVIDE THE FOLLOWING INFORMATION:
    a) SOURCE OF QUARRY MATERIAL.
    b) OPTIMUM MOISTURE CONTENT AND MAXIMUM MODIFIED DRY DENSITY OF THE F.C.R. TO BE USED (FROM NATA APPROVED LABORATORY).
    c) IF THE SOURCE OF THE QUARRY MATERIAL IS CHANGED DURING THE COURSE OF WORKS, NEW TEST RESULTS SHALL BE PROVIDED.
14. NO TOP SOIL SHALL BE REMOVED FROM LAND COVERED BY THE SUBDIVISION WITHOUT THE WRITTEN CONSENT OF THE DIRECTOR ENGINEERING SERVICES OR HIS REPRESENTATIVE. THE TRUCK ROUTE FOR REMOVAL OF SPOIL FROM SITE IS TO BE SUBMITTED TO AND APPROVED BY THE DIRECTOR ENGINEERING SERVICES OR HIS REPRESENTATIVE IN WRITING PRIOR TO COMMENCEMENT OF ANY WORK.
15. ON COMPLETION THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ALL RUBBISH AND SPOIL FROM THE SITE.
16. THE CONTRACTOR SHALL ERECT AND MAINTAIN ALL NECESSARY SHORING AND PLANKING AND STRUTTING, DEWATERING DEVICES, BARRICADES, SIGNS, LIGHTS ETC. NECESSARY TO KEEP THE WORKS IN A SAFE AND STABLE CONDITION AND PROTECT THE PUBLIC FROM THE WORK AS PER AUSTRALIAN STANDARD AS1742.1.2.3 -1986.
17. REMOVAL OR RETENTION OF EXISTING TREES OR VEGETATION MUST BE IN ACCORDANCE WITH THE APPROVED LANDSCAPE PLANS. NO MATERIAL IS TO BE BURNT ON SITE.
18. ANY FOOTPATH OR KERB AND CHANNEL DAMAGED DURING CONSTRUCTION AND MAINTENANCE PERIOD TO BE REINSTATED TO THE SATISFACTION OF THE DIRECTOR ENGINEERING SERVICES OR HIS REPRESENTATIVE.
19. LOTS TO BE GRADED TO THE SATISFACTION OF THE DIRECTOR ENGINEERING SERVICES OR HIS REPRESENTATIVE. ALL LOTS TO BE 1 IN 150 MINIMUM SLOPE FRONT TO REAR OR REAR TO FRONT.
20. FILL AREAS TO BE STRIPPED OF TOPSOIL, FILLED USING APPROVED CLAY FILL, AND TOPSOIL REPLACED TO OBTAIN FINAL FILL LEVELS AS SHOWN ON PLANS. ALL FILLING TO BE CARRIED OUT IN 150mm LAYERS AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS3798-2007, SECTION 8.2, LEVEL 1 ("GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS"). ON COMPLETION THE CONTRACTOR SHALL PRESENT A "LEVEL 1" TYPED REPORT, FROM A NATA REGISTERED SOIL TESTING LABORATORY, NOMINATING THE EXTENT OF FILL PLACED, ITS CONFORMANCE WITH THE SPECIFICATION AND ITS CLASSIFICATION AS "CONTROLLED FILL". IF ANY SUBSTANDARD FILLING IS ENCOUNTERED ON THE SITE IT MUST BE REMOVED AND REPLACED WITH APPROVED FILL MATERIAL PROPERLY COMPACTED TO COUNCIL REQUIREMENTS. A GEO-TECHNICAL REPORT MUST BE SUBMITTED SHOWING DETAILS OF DEPTH, TYPE OF MATERIAL AND DENSITY OF THE FILL AREAS CONCERNED.
21. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL IMPORTED FILL MATERIAL, INCLUDING TOPSOIL, SATISFIES THE DESCRIPTION FOR CLEAN FILL MATERIAL IN EPA BULLETIN PUBLICATION No. 448 (SEPT '95) AND SUBSEQUENT REVISIONS. THE CONTRACTOR SHALL PROVIDE VERIFICATION INCLUDING TEST CERTIFICATES TO THE DIRECTOR ENGINEERING SERVICES OR HIS REPRESENTATIVE.
22. WHERE WORKS ARE IN THE VICINITY OF EXISTING SERVICES THESE SERVICES ARE TO BE LOCATED AND THE VARIOUS AUTHORITIES NOTIFIED PRIOR TO THE COMMENCEMENT OF WORKS.
23. THE WATER CONDUIT OFFSET FROM THE LOT BOUNDARY IS GIVEN ON THE WATER RETICULATION PLAN. THE CONTRACTOR MUST CONSTRUCT CONDUITS TO ACCORD WITH THE GIVEN OFFSET AND ENSURE THAT THE CONCRETER MARKS THE KERB AND FOOTPATH EXACTLY ABOVE THE CONDUIT.
24. TELSTRA/NBN Co TO BE NOTIFIED 7 DAYS PRIOR TO CONCRETE WORKS BEING PLACED.
25. ALL DRIVEWAYS TO BE OFFSET 0.75m FROM SIDE BOUNDARY OR EASEMENT UNLESS OTHERWISE SHOWN.
26. TRANSITION FROM STANDARD TO ROLLOVER KERB AND CHANNEL AT SIDE ENTRY PITS.
27. B2 PROFILE KERB AND CHANNEL TO BE CONSTRUCTED IN ALL STREET UNLESS OTHERWISE SHOWN.
28. PSM's TO BE LANDS DEPT. HIGH STABILITY TYPE. REFER TO COUNCIL STANDARD DRAWING SD11-10. AMG CO-ORDINATES AND AHD LEVEL TO BE SUPPLIED TO COUNCIL. (TO BE INSTALLED BY OTHERS)
29. ALL PAVEMENTS TO BE COMPACTED TO 98% AUSTRALIAN DRY DENSITY. PAVEMENT DEPTH MAY NOT BE MODIFIED UNLESS APPROVED BY COUNCIL TO THE SATISFACTION OF THE DIRECTOR ENGINEERING SERVICES OR HIS REPRESENTATIVE.
30. OFF-STREET PARKING TO BE IN ACCORDANCE WITH COUNCIL STANDARD DRAWING SD11-6A
31. ALL 125mm THICK FOOTPATH CONCRETE PAVING TO BE REINFORCED WITH SL72 MESH AND MUST BE CONSTRUCTED WITH A 50mm UNDERLAYER OF 20mm COMPACTED CLASS 3 FCR IN ACCORDANCE WITH MPA STANDARD DRAWING FIG 006.
32. CONCRETE BIN AREAS TO BE 125mm THICK CONCRETE PAVING TO BE REINFORCED WITH SL62 MESH AND MUST BE CONSTRUCTED WITH A 50mm UNDERLAYER OF 20mm COMPACTED CLASS 3 FCR IN ACCORDANCE WITH COUNCIL STANDARD DRAWING No SD2-1.
33. THE CONTRACTOR MUST COMPLETE A LEVEL CHECK BETWEEN ALL TBM'S TO VERIFY LEVEL VALUES BEFORE COMMENCEMENT OF WORKS. ALL TBM,s AND CONTROL POINTS ARE TO BE MAINTAINED AND PROTECTED AT ALL TIMES DURING CONSTRUCTION. SHOULD ANY MARKS BE DISTURBED, THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE DEVELOPER'S CONSULTANT TO ARRANGE RE-INSTATEMENT AT THE CONTRACTORS EXPENSE.
34. ALL SIGNS AND TRAFFIC CONTROL MEASURES SHALL BE IN ACCORDANCE WITH AS 1742-1,2,3 -1986. LINE MARKING SHALL BE IN ACCORDANCE WITH VICROADS REQUIREMENT WITH LATERAL WORKS AND ARROWS BEING COLD APPLIED PLASTIC TROWELLED INTO PLACE (MATERIAL DEGADUR OR PLASTELINE) AND LONGITUDINAL LINES BEING EXTRUDED THERMOPLASTIC MATERIAL (VICROADS SPECIFICATION SEE SECTION 710 & 722).
35. PRIOR TO COMMENCEMENT OF WORKS, THE CONTRACTOR MUST SUBMIT A SMP TO THE DEVELOPER'S CONSULTANT FOR APPROVAL. THE CONTRACTOR MUST COMPLY WITH THE RECOMMENDATIONS OF THE ENVIRONMENT PROTECTION AUTHORITY PUBLICATION No.275 "CONSTRUCTION TECHNIQUES FOR SEDIMENT POLLUTION CONTROL" AND MW SITE ENVIRONMENTAL MANAGEMENT POLICY 3.8.2. APPROPRIATE SILTATION CONTROL IS TO BE MAINTAINED THROUGHOUT THE CONSTRUCTION AND MAINTENANCE PERIOD OF THE WORKS.
36. PRIOR TO START OF WORKS ON SITE, A PRE-COMMENCEMENT MEETING MUST BE HELD BETWEEN DIRECTOR ENGINEERING SERVICES OR HIS REPRESENTATIVE, THE DEVELOPER'S CONSULTANT AND THE CONTRACTOR.
37. PRIOR TO COMMENCING WORKS ON SITE, THE CONTRACTOR MUST OBTAIN ROAD OPENING/WORKS PERMITS FROM COUNCIL FOR ANY WORKS WITHIN EXISTING ROAD RESERVES OR WORKS ON ANY EXISTING INFRASTRUCTURE.
38. STREET NAMES TO BE INSTALLED ON PUBLIC LIGHTING POLES AT INTERSECTIONS WHERE POSSIBLE. ALL SIGNS ARE TO BE INSTALLED IN ACCORDANCE WITH COUNCIL STANDARD DRAWING SD11-1.
39. LOCATION OF ALL UNDERGROUND SERVICE CONDUITS TO BE MARKED ON BOTH SIDES OF THE KERB AND CHANNEL WITH W FOR WATER, RW FOR RECYCLED WATER, G FOR GAS, T FOR TELECOMMUNICATIONS & E FOR ELECTRICITY (REFER COUNCIL STANDARD DRG SD11-8).
40. THE CONTRACTOR IS TO INSTALL BLUE RRPM'S ON THE ROAD CENTRLINE AND MARKER POSTS TO INDICATE THE LOCATION OF FIRE PLUGS OR HYDRANTS IN ACCORDANCE WITH WYNDHAM CITY COUNCIL'S STANDARD DRAWING SD11-11.
41. GAS AND WATER CONDUITS TO BE 50mm & 100mm DIAMETER RESPECTIVELY.
42. ALL SERVICE TRENCHES UNDER CONCRETE FOOTPATHS AND VEHICLE CROSSINGS TO BE BACKFILLED WITH CLASS 3 CRUSHED ROCK MATERIAL.
43. PROVIDE 1.8m HIGH PALING FENCE ALONG ANY COMMON BOUNDARY BETWEEN A LOT AND MUNICIPAL RESERVE. PALINGS TO BE ON THE RESERVE SIDE AND CONSTRUCTED IN ACCORDANCE WITH COUNCIL STANDARD DRAWING SD11-5B.
44. PROVIDE TEMPORARY SAFETY BARRIER FENCE (FARM FENCE AS PER MW STD. DWG. 7251/4/203) ALONG EDGE OF OUTFALL DRAINS. SAFETY FENCE TO REMAIN UNTIL PERMANENT UNDERGROUND DRAINAGE IS INSTALLED.
45. PROVIDE TIMBER BOLLARDS AT 1.5m CTS AS PER COUNCIL STANDARD DRAWING SD10-2 AT A 0.25m OFFSET FROM THE RESERVE TITLE BOUNDARY.

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PAVEMENT COMPOSITION (Stage 18)

ACCESS PLACE 'A' - COBBLEWOOD ROAD, VESTIGE CIRCUIT (Ch274.17-Ch373.77) AND THICKET DRIVE (Ch116.23-End)

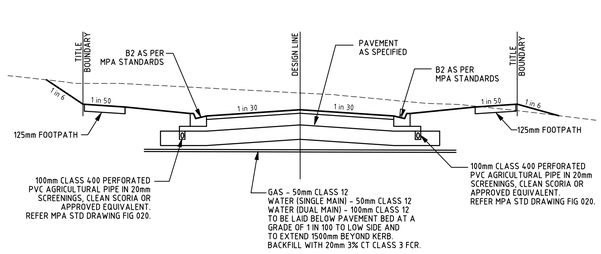
WEARING COURSE	30mm	SIZE 10mm TYPE L CLASS 320 ASPHALT.
STRUCTURAL COURSE	30mm	SIZE 10mm TYPE N CLASS 320 ASPHALT.
WATERPROOFING COURSE	10mm	SAMI SEAL AND PRIME BELOW
BASE	125mm	SIZE 20mm CLASS 2 CRUSHED ROCK. COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (MODIFIED) MAXIMUM DRY DENSITY AS1289,5.2.1.
SUBBASE	140mm	SIZE 20mm CLASS 3 CRUSHED ROCK. COMPACTED TO A MINIMUM DENSITY RATIO OF 96% (MODIFIED) MAXIMUM DRY DENSITY AS1289,5.2.1.
CAPPING LAYER	150mm	SIZE 40mm RIPPED ROCK OR EQIVALENT *
TOTAL	485mm	
SUBGRADE:		MATERIAL AS FOUND (MIN. 2.0% CBR). TOP 200mm COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1.

ACCESS LANE - VESTIGE CIRCUIT (Ch373.77-End) AND THICKET DRIVE (Start-Ch116.23)

WEARING COURSE	20mm	SIZE 7mm TYPE L CLASS 320 ASPHALT.
STRUCTURAL COURSE	30mm	SIZE 10mm TYPE N CLASS 320 ASPHALT.
WATERPROOFING COURSE	10mm	SAMI SEAL AND PRIME BELOW
BASE	135mm	SIZE 20mm CLASS 2 CRUSHED ROCK. COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (MODIFIED) MAXIMUM DRY DENSITY AS1289,5.2.1.
SUBBASE	110mm	SIZE 20mm CLASS 3 CRUSHED ROCK. COMPACTED TO A MINIMUM DENSITY RATIO OF 96% (MODIFIED) MAXIMUM DRY DENSITY AS1289,5.2.1.
CAPPING LAYER	150mm	SIZE 40mm RIPPED ROCK OR EQIVALENT *
TOTAL	455mm	
SUBGRADE:		MATERIAL AS FOUND (MIN. 2.0% CBR). TOP 200mm COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (STANDARD) MAXIMUM DRY DENSITY AS1289, 5.1.1.

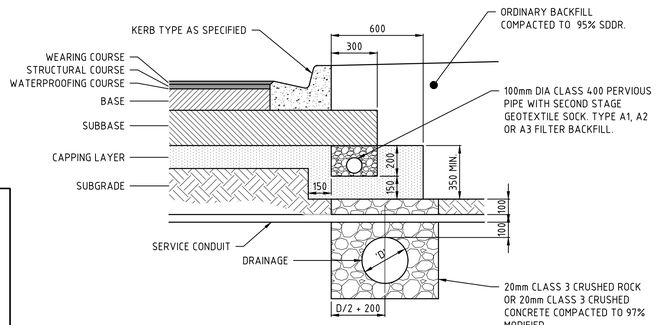
* NOTE: TYPE A SELECT FILL TO MEET THE FOLLOWING PROPERTIES:
CBR ≥ 8%, SWELL ≤ 1.5%, PERMEABILITY k ≤ 5 x 10^{-9}m/s (1 x 10^{-7}cm/s)
COMPACTED TO A MINIMUM DENSITY RATION OF 98% (STANDARD) AS1289, 5.1.1
(FOR ADDITIONAL DETAILS, REFER GEOTECHNICAL REPORT FROM TONKIN & TAYLOR Pty Ltd, 4821.100.R1 July 2016).

ACCESS LANEWAY
PAVEMENT COMPOSITION TO CONSIST OF:
A. 200mm DEPTH REINFORCED SL82 CONCRETE
B. 100mm COMPACTED CLASS 2 CRUSHED ROCK
PROVIDE 450mm N12 DEFORMED BARS AT 400mm CENTRES AT ALL CONCRETE INTERFACES

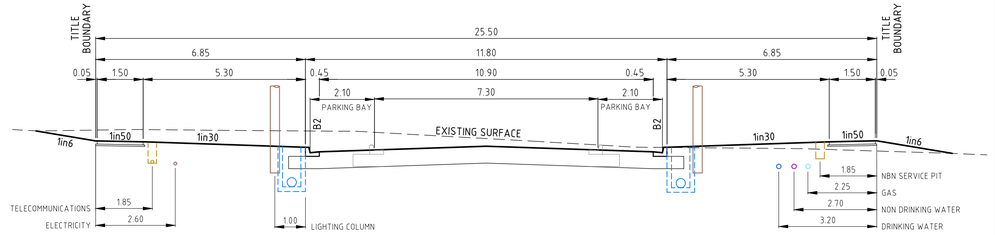


NOTE:
1. REFER CROSS SECTION SHEETS FOR INDIVIDUAL ROAD WIDTHS AND KERB & FOOTPATH OFFSETS.
2. REFER SERVICES SCHEDULE FOR SERVICES OFFSETS.

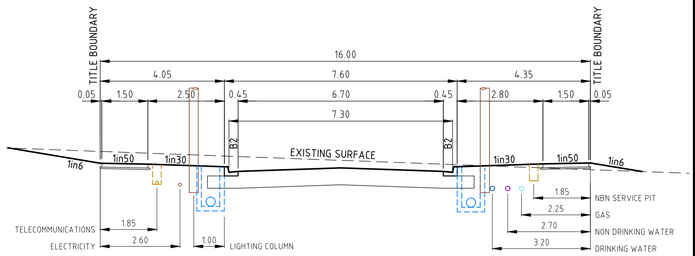
TYPICAL CROSS SECTION
NTS



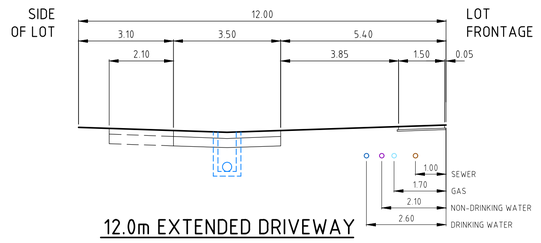
PAVEMENT COMPOSITION
SCALE 1:20



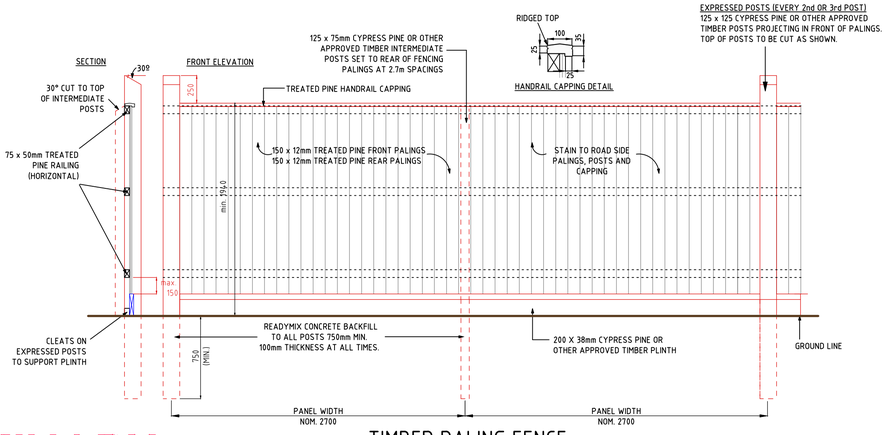
25.5m ROAD RESERVE COBBLEWOOD ROAD



16m ROAD RESERVE - VESTIGE CIRCUIT AND THICKET DRIVE



12.0m EXTENDED DRIVEWAY
CONCRETE



TIMBER PALING FENCE
NTS

PRELIMINARY

AMENDMENTS			
VER	DATE	REMARKS	

breese pitt dixon pty. ltd.
land surveyors civil engineers
1/19 cato street
hawthorn east, 3123
telephone 8823 2300
fax no. 8823 2310

MELWAY REF.	360-F10
SURVEY	BPD
DESIGN	TBC
DRAWN	
CHECKED	

ROTHWELL WEST
STAGE 18
NOTES AND TYPICAL CROSS SECTIONS

MUNICIPALITY	WYNDHAM
REFERENCE	8584 E/18
SCALE	As Shown
DATUM	AHD
DATE	Sep'17
SHEET	2 OF 13
	P1

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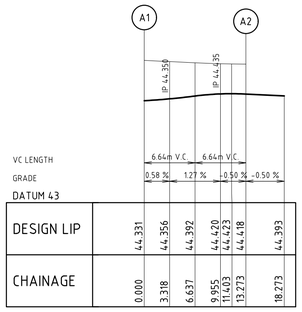
Plotted: Sep 01, 2017 - 3:19pm

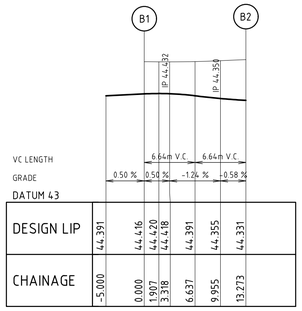


LIP LINE A
H 1:400 V 1:40

Alignment A

Point no	Easting	Northing	RL
kg 18 A 1	1453.199	1630.360	44.331
kg 18 A 2	1462.547	1637.805	44.418
kg 18 A 3	1456.485	1630.635	44.356
kg 18 A 4	1459.415	1632.147	44.392
kg 18 A 5	1461.544	1634.664	44.420

Curve no	I	Radius	Arc	Mid Ord	Qtr Ord	X	Y	l	Mid Ord RL
kg 18 A 1 2	-90.000	-8.450	13.273	2.475	1.832	2.741	3.234	3.318	44.392

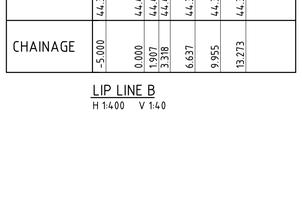


LIP LINE B
H 1:400 V 1:40

Alignment B

Point no	Easting	Northing	RL
kg 18 B 1	1459.891	1614.355	44.416
kg 18 B 2	1452.446	1623.702	44.331
kg 18 B 3	1459.616	1617.641	44.418
kg 18 B 4	1458.104	1620.571	44.391
kg 18 B 5	1455.586	1622.699	44.355

Curve no	I	Radius	Arc	Mid Ord	Qtr Ord	X	Y	l	Mid Ord RL
kg 18 B 1 2	-90.000	-8.450	13.273	2.475	1.832	2.741	3.234	3.318	44.391

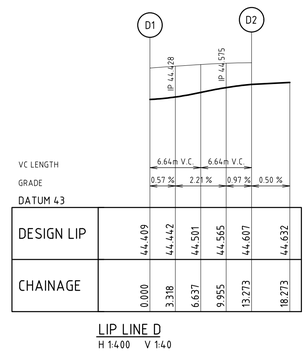


LIP LINE C
H 1:400 V 1:40

Alignment C

Point no	Easting	Northing	RL
kg 18 C 1	1464.787	1598.051	44.489
kg 18 C 2	1472.233	1588.703	44.409
kg 18 C 3	1465.063	1594.765	44.492
kg 18 C 4	1466.574	1591.835	44.467
kg 18 C 5	1469.092	1589.706	44.433

Curve no	I	Radius	Arc	Mid Ord	Qtr Ord	X	Y	l	Mid Ord RL
kg 18 C 1 2	-90.000	-8.450	13.273	2.475	1.832	2.741	3.234	3.318	44.467

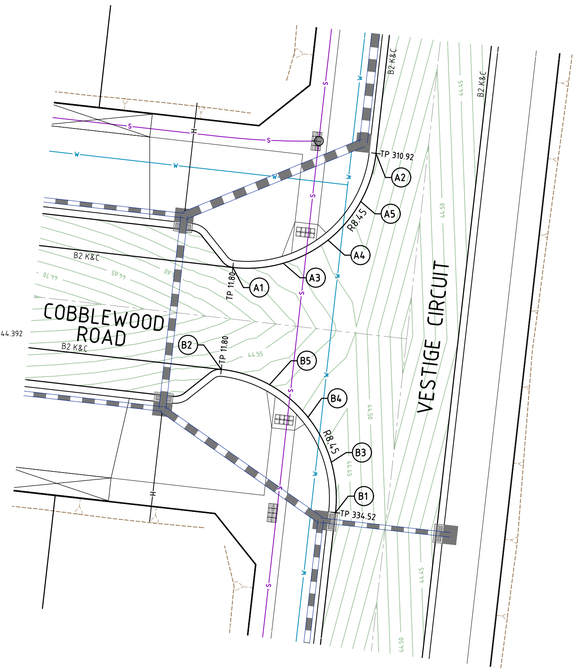


LIP LINE D
H 1:400 V 1:40

Alignment D

Point no	Easting	Northing	RL
kg 18 D 1	1471.479	1582.046	44.409
kg 18 D 2	1462.132	1574.600	44.607
kg 18 D 3	1468.193	1581.771	44.442
kg 18 D 4	1465.263	1580.259	44.501
kg 18 D 5	1463.135	1577.741	44.565

Curve no	I	Radius	Arc	Mid Ord	Qtr Ord	X	Y	l	Mid Ord RL
kg 18 D 1 2	-90.000	-8.450	13.273	2.475	1.832	2.741	3.234	3.318	44.501



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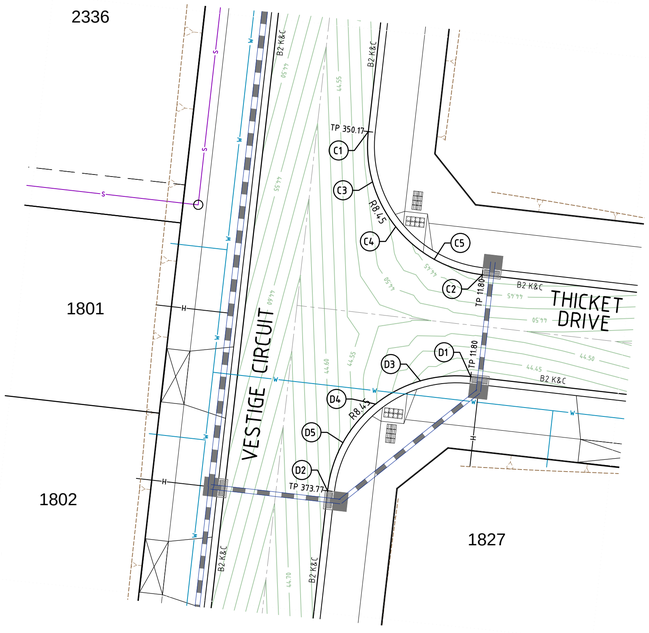
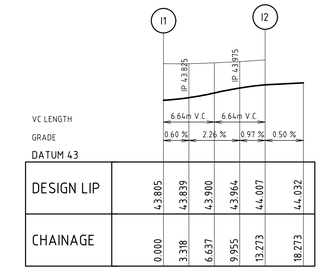


1801

1802

1827

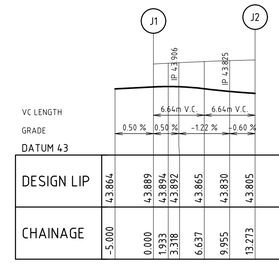


LIP LINE I
H 1:400 V 1:40

Alignment I

Point no	Easting	Northing	RL
kg 18 I 1	1582.695	1560.947	43.805
kg 18 I 2	1575.250	1570.294	44.007
kg 18 I 3	1582.420	1564.232	43.839
kg 18 I 4	1580.908	1567.162	43.900
kg 18 I 5	1578.390	1569.291	43.964

Curve no	I	Radius	Arc	Mid Ord	Qtr Ord	X	Y	l	Mid Ord RL
kg 18 I 1 2	-90.000	-8.450	13.273	2.475	1.832	2.741	3.234	3.318	43.900

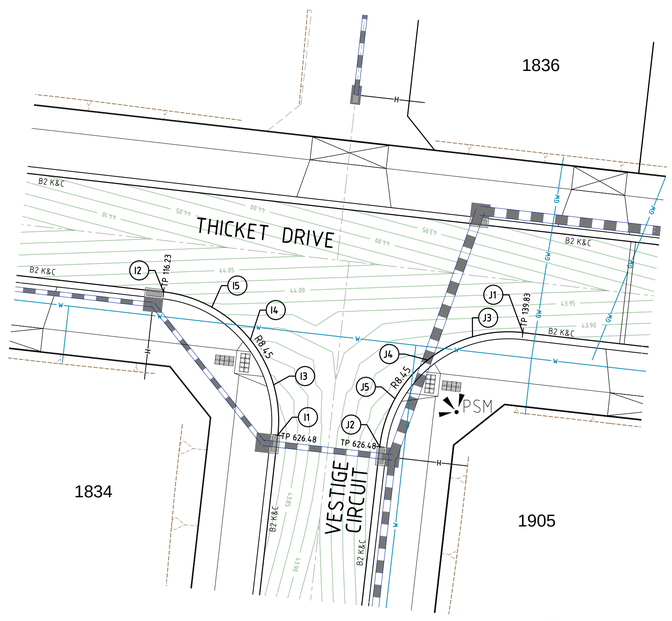


LIP LINE J
H 1:400 V 1:40

Alignment J

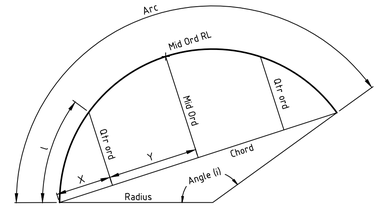
Point no	Easting	Northing	RL
kg 18 J 1	1598.700	1567.638	43.889
kg 18 J 2	1589.352	1560.193	43.805
kg 18 J 3	1595.414	1567.363	43.892
kg 18 J 4	1592.484	1565.851	43.865
kg 18 J 5	1590.355	1563.334	43.830

Curve no	I	Radius	Arc	Mid Ord	Qtr Ord	X	Y	l	Mid Ord RL
kg 18 J 1 2	-90.000	-8.450	13.273	2.475	1.832	2.741	3.234	3.318	43.865



1834

1905



CURVE SETOUT DIAGRAM

NOTE:
ALL SETOUT DETAILS ARE
AT LIP OF KERB

INTERSECTION DETAILS
1:200

PRELIMINARY

LENGTHS ARE IN METRES

4 2 0 4 8 16

SCALE 1 : 200 (A1)

AMENDMENTS

VER	DATE	REMARKS

breese pitt dixon pty. ltd.
land surveyors civil engineers
1/19 cato street
hawthorn east, 3123
telephone 8823 2300
fax no. 8823 2310

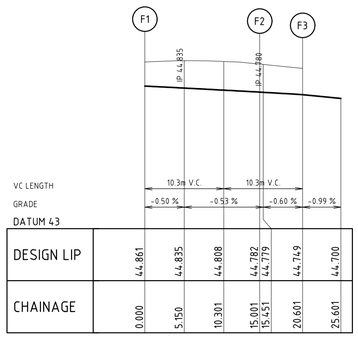
MELWAY REF.	360-F10
SURVEY	BPD
DESIGN	TBC
DRAWN	
CHECKED	

ROTHWELL WEST
STAGE 18
INTERSECTION DETAILS - SHEET 1

MUNICIPALITY	WYNDHAM
REFERENCE	8584 E/18
SCALE	As Shown
DATUM	AHD
DATE	Sep'17
SHEET	3 OF 13 P1

T:\Projects\23581\Design\BSR_Rothwell\LAND\Document\Stage 18\BSR\LE_18_D02_01_INT.dwg (BD2)

Plotted: Sep 01, 2017 - 3:18pm

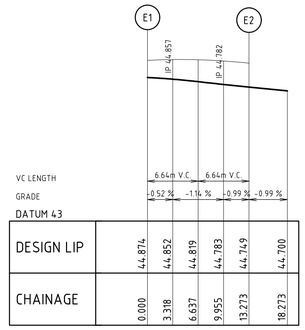


LIP LINE F
H 1:400 V 1:40

Alignment F

Point no	Easting	Northing	RL
kg 18 F 1	1448.722	1515.735	44.861
kg 18 F 2	1457.137	1505.171	44.782
kg 18 F 3	1462.702	1504.541	44.749
kg 18 F 4	1449.034	1512.022	44.842
kg 18 F 5	1459.742	1508.711	44.822
kg 18 F 6	1453.588	1506.305	44.802

Curve no	I	Radius	Arc	Mid Ord	Qtr Ord	X	Y	I	Mid Ord RL
kg 18 F	1 2	-90.000	-9.550	15.001	2.797	2.070	3.098	3.655	3.750	44.822

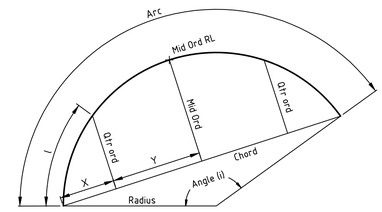


LIP LINE E
H 1:400 V 1:40

Alignment E

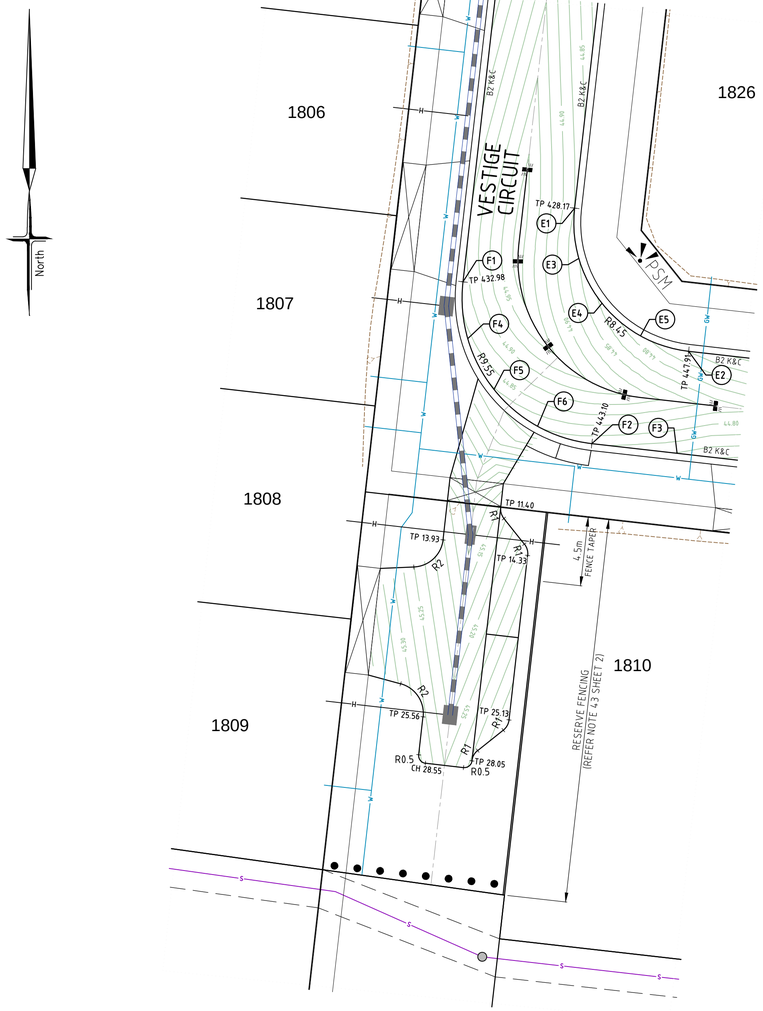
Point no	Easting	Northing	RL
kg 18 E 1	1456.010	1520.546	44.874
kg 18 E 2	1463.456	1511.199	44.749
kg 18 E 3	1456.285	1511.260	44.852
kg 18 E 4	1457.797	1514.330	44.819
kg 18 E 5	1460.315	1512.202	44.783

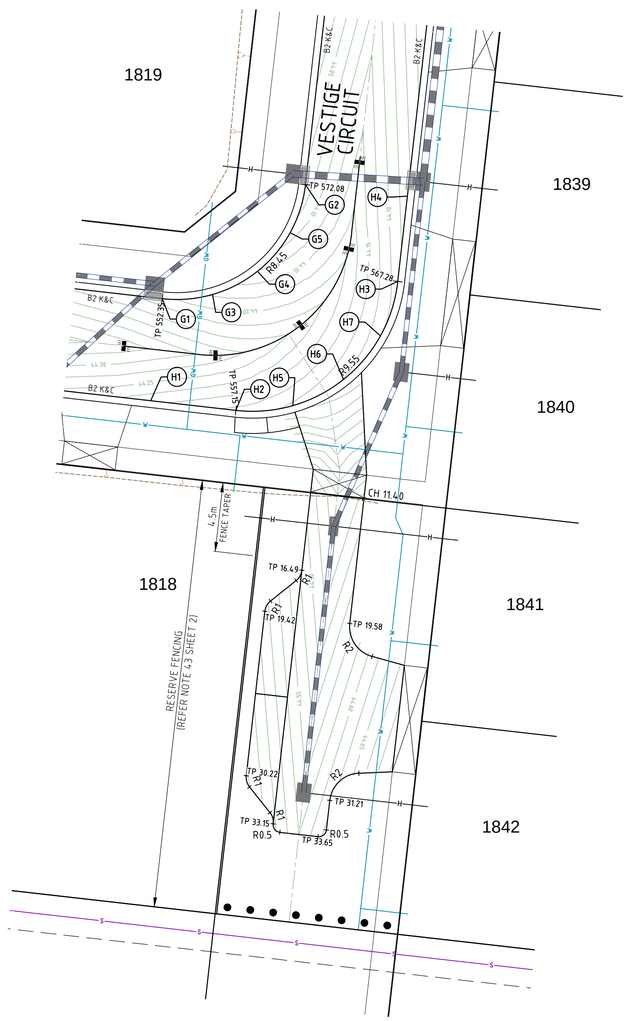
Curve no	I	Radius	Arc	Mid Ord	Qtr Ord	X	Y	I	Mid Ord RL
kg 18 E	1 2	-90.000	-8.450	13.273	2.475	1.832	2.741	3.234	3.318	44.819

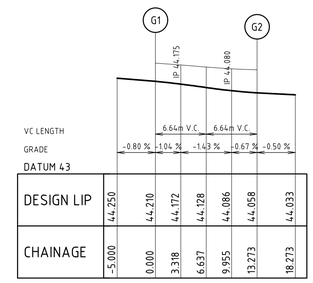


CURVE SETOUT DIAGRAM

NOTE:
ALL SETOUT DETAILS ARE
AT LIP OF KERB





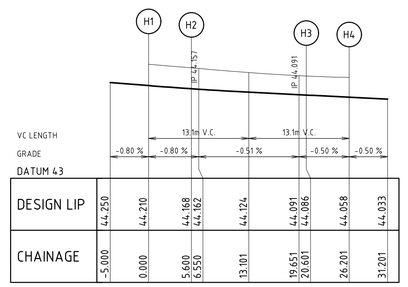


LIP LINE G
H 1:400 V 1:40

Alignment G

Point no	Easting	Northing	RL
kg 18 G 1	1567.226	1499.447	44.210
kg 18 G 2	1576.573	1506.892	44.058
kg 18 G 3	1570.512	1499.722	44.172
kg 18 G 4	1573.442	1501.234	44.127
kg 18 G 5	1575.570	1503.752	44.086

Curve no	I	Radius	Arc	Mid Ord	Qtr Ord	X	Y	I	Mid Ord RL
kg 18 G	1 2	-90.000	-8.450	13.273	2.475	1.832	2.741	3.234	3.318	44.127



LIP LINE H
H 1:400 V 1:40

Alignment H

Point no	Easting	Northing	RL
kg 18 H 1	1566.472	1492.790	44.210
kg 18 H 2	1572.037	1492.759	44.168
kg 18 H 3	1582.601	1500.574	44.086
kg 18 H 4	1583.231	1506.139	44.058
kg 18 H 5	1575.750	1492.470	44.145
kg 18 H 6	1579.061	1494.179	44.124
kg 18 H 7	1581.467	1497.024	44.105

Curve no	I	Radius	Arc	Mid Ord	Qtr Ord	X	Y	I	Mid Ord RL
kg 18 H	2 3	-90.000	-9.550	15.001	2.797	2.070	3.098	3.655	3.750	44.124

INTERSECTION DETAILS
1:200

PRELIMINARY

LENGTHS ARE IN METRES

4 2 0 4 8 16

SCALE 1 : 200 (A1)

AMENDMENTS

VER	DATE	REMARKS

breese pitt dixon pty. ltd.
land surveyors civil engineers
1/19 cato street
hawthorn east, 3123
telephone 8823 2300
fax no. 8823 2310

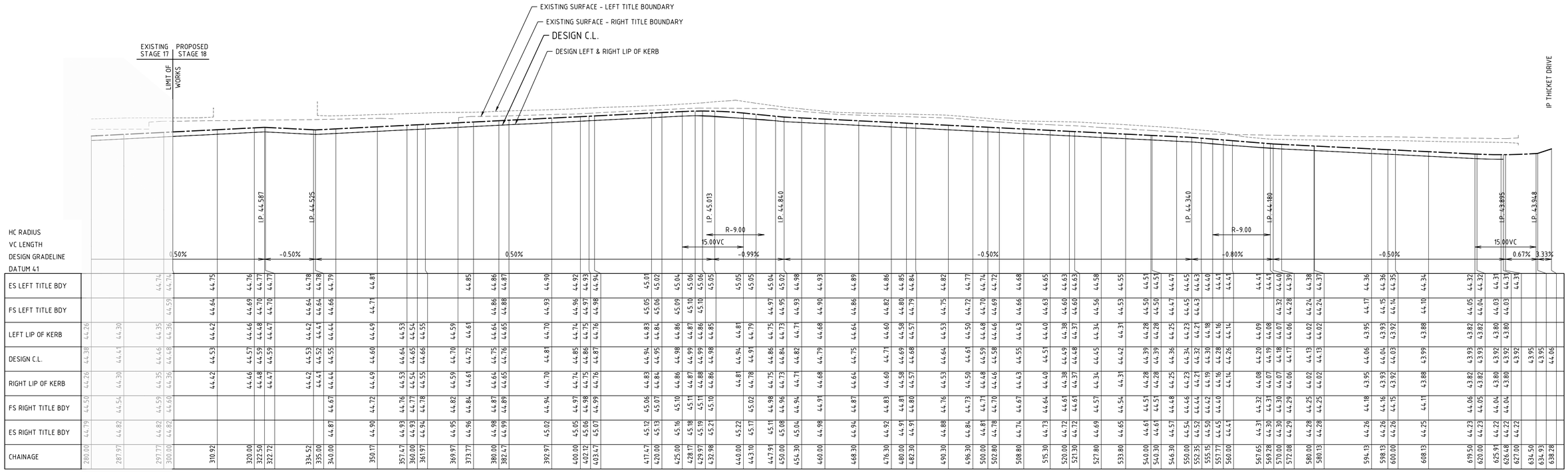
MELWAY REF.	360-F10
SURVEY	BPD
DESIGN	TBC
DRAWN	
CHECKED	

ROTHWELL WEST
STAGE 18
INTERSECTION DETAILS - SHEET 2

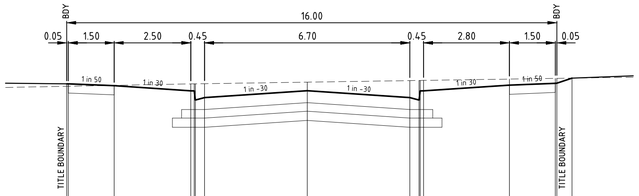
MUNICIPALITY	WYNDHAM
REFERENCE	8584 E/18
SCALE	As Shown
DATUM	AHD
DATE	Sep'17
SHEET	4 OF 13 P1

Plotted: Sep 01, 2017 - 3:18pm

T:\Projects\13958\Design (BSR)\Rothwell\CAD\Designers\Sheet 18\BSR18_P03.dgn

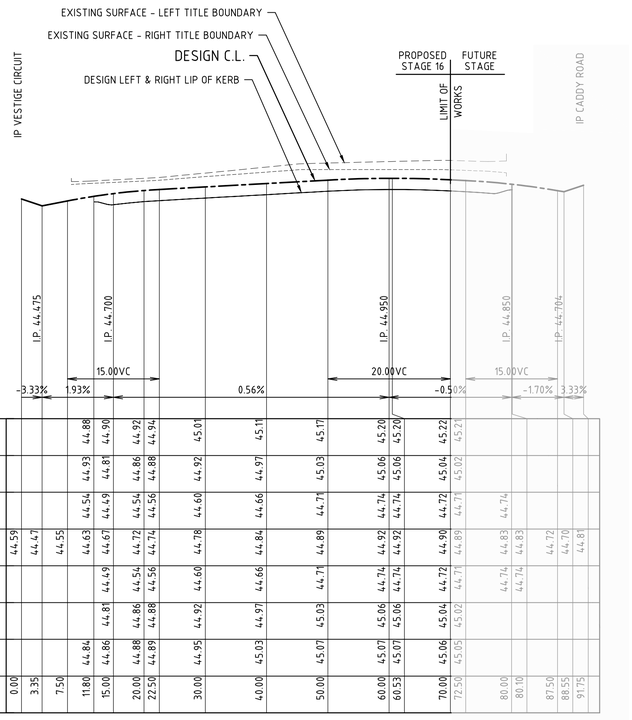

EXISTING SURFACE - LEFT TITLE BOUNDARY
EXISTING SURFACE - RIGHT TITLE BOUNDARY
DESIGN C.L.
DESIGN LEFT & RIGHT LIP OF KERB
EXISTING STAGE 17
PROPOSED STAGE 18
LIMIT OF WORKS
I.P. 44.587
I.P. 44.525
I.P. 45.013
I.P. 44.840
I.P. 44.340
I.P. 44.180
I.P. 43.895
I.P. 43.948
IP THICKET DRIVE
R-9.00
15.00VC
R-9.00
15.00VC
0.50%
-0.50%
0.50%
-0.99%
-0.50%
-0.80%
-0.50%
0.67%
3.33%

| | | |

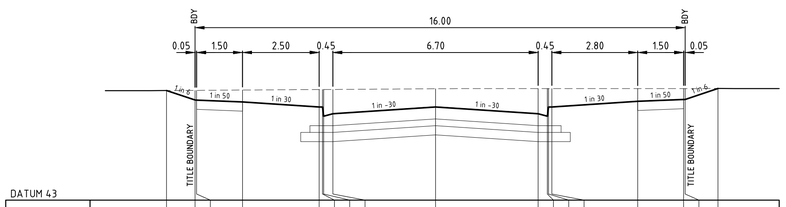

BDY
16.00
0.05
1.50
2.50
0.45
6.70
0.45
2.80
1.50
0.05
1 in 50
1 in 30
1 in -30
1 in -30
1 in 30
1 in 50
TITLE BOUNDARY
TITLE BOUNDARY

DATUM 43

| | | |

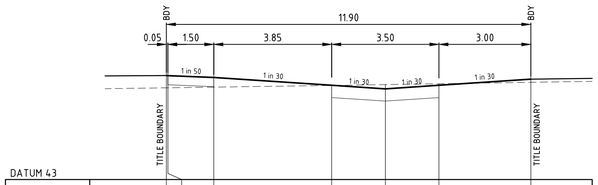

EXISTING SURFACE - LEFT TITLE BOUNDARY
EXISTING SURFACE - RIGHT TITLE BOUNDARY
DESIGN C.L.
DESIGN LEFT & RIGHT LIP OF KERB
IP VESTIGE CIRCUIT
PROPOSED STAGE 16
FUTURE STAGE
LIMIT OF WORKS
IP CADDY ROAD
I.P. 44.475
I.P. 44.700
I.P. 44.950
I.P. 44.850
I.P. 44.704
15.00VC
20.00VC
15.00VC

| | | |


BDY
16.00
0.05
1.50
2.50
0.45
6.70
0.45
2.80
1.50
0.05
1 in 6
1 in 50
1 in 30
1 in -30
1 in -30
1 in 30
1 in 50
1 in 6
TITLE BOUNDARY
TITLE BOUNDARY

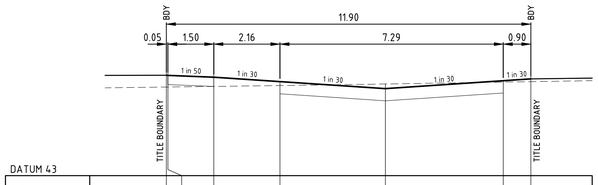
DATUM 43

| | | |



DATUM 43								
DESIGN SURFACE	44.698	44.697	44.667	44.538	44.480	44.538	44.638	
EXISTING SURFACE	44.497	44.498	44.508	44.536	44.549	44.563	44.587	
OFFSET	-7.150	-7.100	-5.600	-1.750	0.000	1.750	4.750	

CHA 33.650

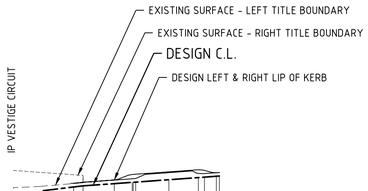


DATUM 43								
DESIGN SURFACE	44.638	44.637	44.607	44.535	44.421	44.549	44.579	
EXISTING SURFACE	44.446	44.447	44.457	44.471	44.496	44.527	44.534	
OFFSET	-7.150	-7.100	-5.600	-3.442	0.000	3.850	4.750	

CHA 25.400

CROSS SECTIONS
H 1:100 V 1:50

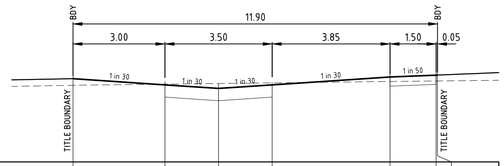
ACCESS DRIVEWAY



HC RADIUS VC LENGTH DESIGN GRADELINE DATUM 41														
ES LEFT TITLE BDY	44.29	44.31	44.35	44.43										
FS LEFT TITLE BDY					44.57	44.60	44.60	44.60	44.64	44.67	44.68	44.69		
LEFT EDGE OF CONC				44.38	44.44	44.44	44.44	44.44	44.54	44.52	44.52			
DESIGN C.L.		44.24	44.30	44.32	44.36	44.38	44.38	44.38	44.42	44.46	44.48	44.48		
RIGHT EDGE OF CONC			44.37	44.38	44.41	44.51	44.51	44.51	44.55	44.58	44.53			
FS RIGHT TITLE BDY					44.51	44.54	44.54	44.58	44.61	44.62	44.63			
ES RIGHT TITLE BDY	44.56	44.49	44.46											
CHAINAGE	0.00	4.91	9.85	11.40	16.49	19.42	19.59	20.00	25.40	30.22	31.21	33.15	33.65	39.40

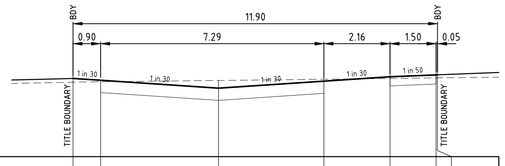
LONGITUDINAL SECTION (Rd22)
H 1:500 V 1:50

ACCESS DRIVEWAY



DATUM 44								
DESIGN SURFACE	45.358	45.258	45.200	45.258	45.387	45.417	45.418	
EXISTING SURFACE	45.251	45.270	45.280	45.291	45.313	45.322	45.322	
OFFSET	-4.750	-1.750	0.000	1.750	5.600	7.100	7.150	

CHA 28.550



DATUM 44								
DESIGN SURFACE	45.276	45.246	45.118	45.233	45.305	45.335	45.336	
EXISTING SURFACE	45.215	45.222	45.243	45.264	45.276	45.285	45.285	
OFFSET	-4.750	-3.850	0.000	3.442	5.600	7.100	7.150	

CHA 19.750

CROSS SECTIONS
H 1:100 V 1:50

ACCESS DRIVEWAY

HC RADIUS VC LENGTH DESIGN GRADELINE DATUM 42														
ES LEFT TITLE BDY	45.06	45.14	45.18											
FS LEFT TITLE BDY								45.25	45.27	45.27	45.28	45.33		
LEFT EDGE OF CONC			45.08	45.10	45.22	45.24	45.24	45.25	45.30					
DESIGN C.L.		44.92	45.01	45.04	45.09	45.11	45.12	45.12	45.17	45.20				
RIGHT EDGE OF CONC				45.10	45.20	45.23	45.23	45.23	45.23					
FS RIGHT TITLE BDY					45.31	45.33	45.33	45.34	45.39					
ES RIGHT TITLE BDY	45.18	45.22	45.24	45.22										
CHAINAGE	0.00	4.91	9.85	11.40	16.49	19.42	19.59	20.00	25.40	28.55				

LONGITUDINAL SECTION (Rd23)
H 1:500 V 1:50

ACCESS DRIVEWAY

PRELIMINARY

FILL AREAS TO BE
COMPACTED TO 98% SDDR
TO ACHIEVE MIN CBR OF 2%

LENGTHS ARE IN METRES
1 0.5 0 1 2 4
VERTICAL SCALE 1 : 50 (A1)

LENGTHS ARE IN METRES
10 5 0 10 20 40
HORIZONTAL SCALE 1 : 500 (A1)
LONGITUDINAL SECTIONS

LENGTHS ARE IN METRES
1 0.5 0 1 2 4
VERTICAL SCALE 1 : 50 (A1)

LENGTHS ARE IN METRES
2 1 0 2 4 8
HORIZONTAL SCALE 1 : 100 (A1)
CROSS SECTIONS

AMENDMENTS

VER	DATE	REMARKS

breese pitt dixon pty. ltd.
land surveyors civil engineers
1/19 cato street
hawthorn east, 3123
telephone 8823 2300
fax no. 8823 2310

MELWAY REF. 360-F10
SURVEY BPD
DESIGN TBC
DRAWN
CHECKED

ROTHWELL WEST
STAGE 18
ACCESS DRIVEWAYS

MUNICIPALITY WYNDHAM
REFERENCE 8584 E/18
SCALE As Shown
DATUM AHD
DATE Sep'17
SHEET 9 OF 13 P1

Plotted: Sep 01, 2017 - 2:10pm

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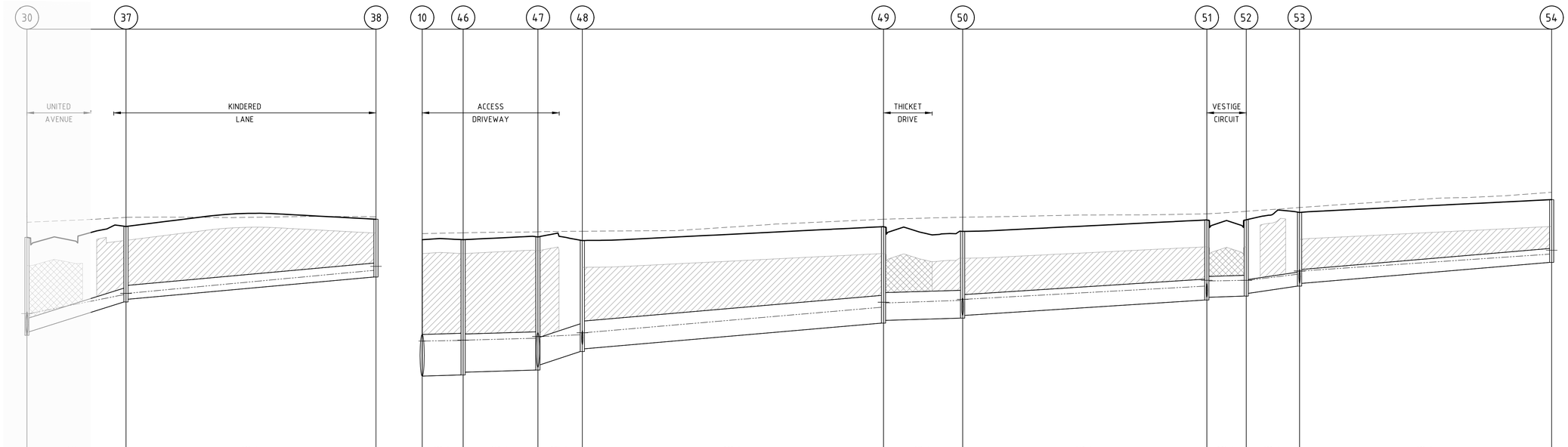
30
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38
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46
47
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52
53
54
UNITED AVENUE
KINDERED LANE
ACCESS DRIVEWAY
THICKET DRIVE
VESTIGE CIRCUIT

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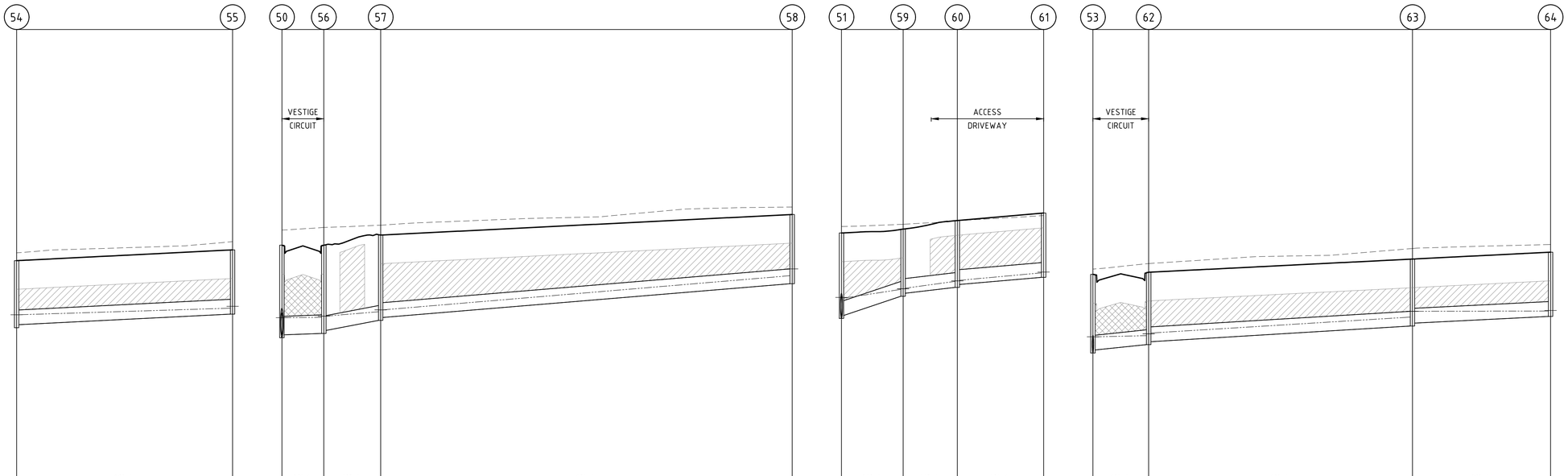
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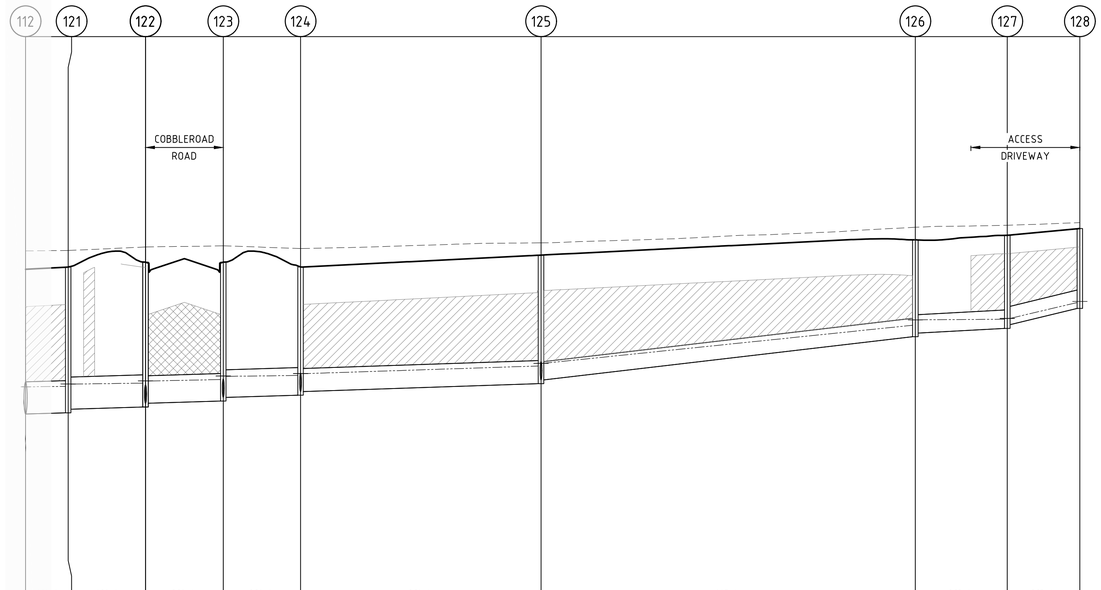
64
VESTIGE CIRCUIT
ACCESS DRIVEWAY
VESTIGE CIRCUIT

| | | |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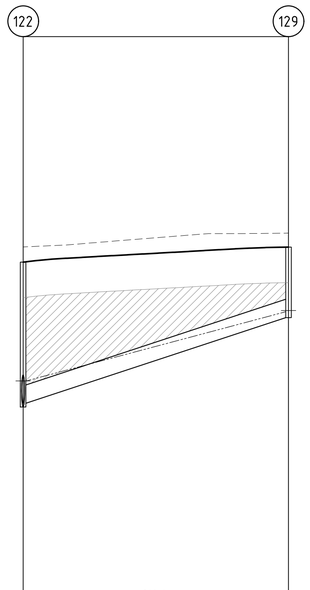
127
128
COBBLEROAD
ROAD
ACCESS
DRIVEWAY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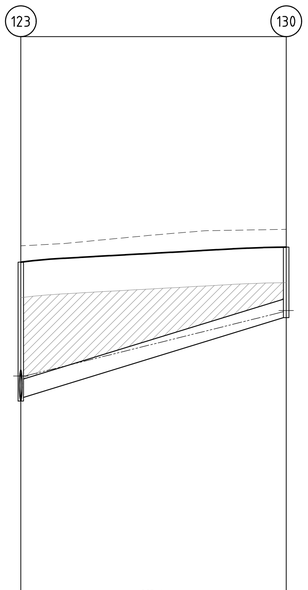
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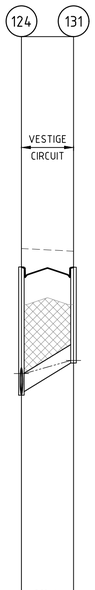
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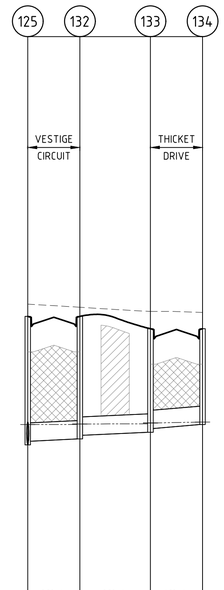
131
VESTIGE
CIRCUIT


125
132
133
134
VESTIGE
CIRCUIT
THICKET
DRIVE

| | | |

PLAN
1:500

North

SIGNAGE & LINEMARKING LEGEND

- NOTIONAL CAR PARKING SPACES
- "SWLM" - SOLID WHITE LONGLIFE LINE MARKING
- "BWLM" - BROKEN WHITE LONGLIFE LINE MARKING
- "UNIDIRECTIONAL" & "BIDIRECTIONAL" RRPM's PLACED AT 6.0m CTRS
- S1 "STREET" SIGN
- S2 "KEEP LEFT" SIGN (R2-3 (L)) — KEEP LEFT
- S3 "ROUNDABOUT" SIGN (R1-3A)
- S4 "UNI-DIRECTIONAL CHEVRON" SIGN (D4-1-3) — OR
- S5 "GIVE WAY" SIGN (R1-2A) — GIVE WAY

LENGTHS ARE IN METRES
10 5 0 10 20 40
SCALE 1 : 500 (A1)

AMENDMENTS

VER	DATE	REMARKS

breese pitt dixon pty. ltd.
land surveyors civil engineers
1/19 cato street
hawthorn east, 3123
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MELWAY REF.	360-F10
SURVEY	BPD
DESIGN	TBC
DRAWN	
CHECKED	

ROTHWELL WEST
STAGE 18
SIGNAGE & LINEMARKING PLAN

MUNICIPALITY	WYNDHAM
REFERENCE	8584 E/18
SCALE	As Shown
DATUM	AHD
DATE	Sep'17
SHEET	13 OF 13 P1

Plotted: Sep 01, 2017 - 3:53pm

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