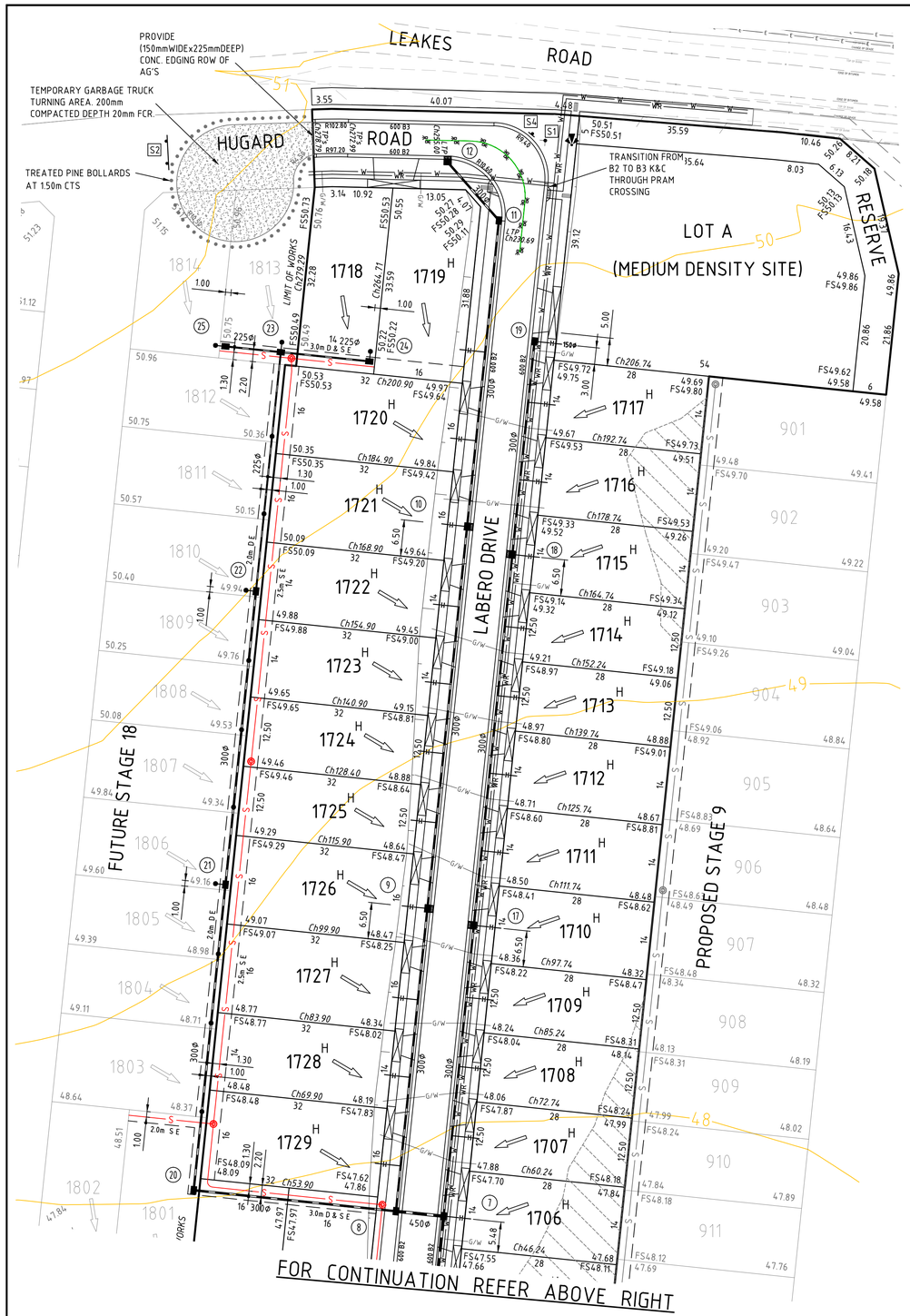
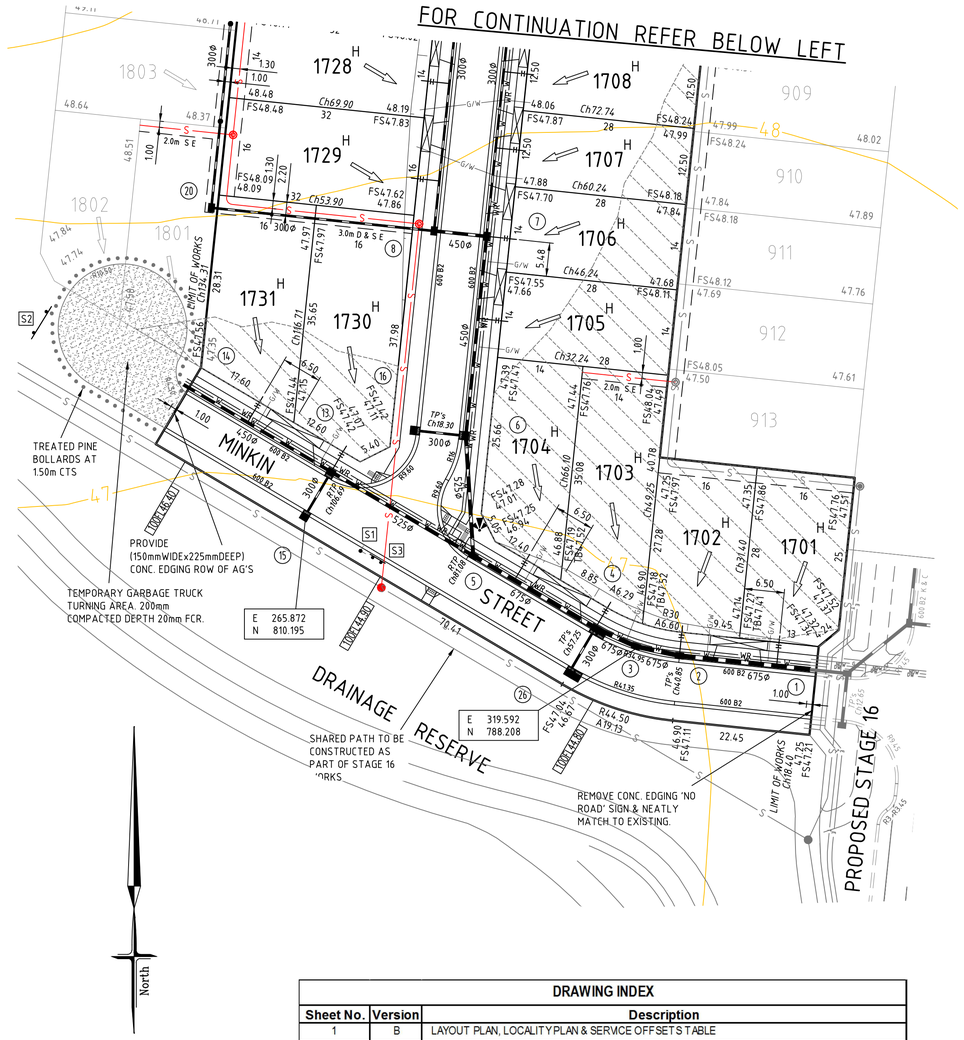
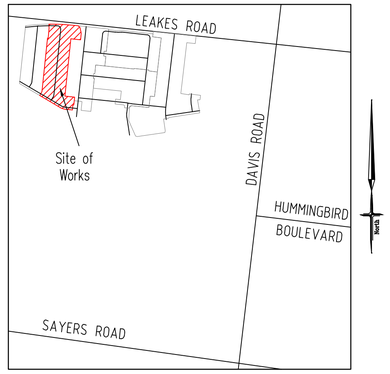




LAYOUT PLAN

0 5 10 20 1:500

ALL LENGTHS ARE IN METRES



LOCALITY PLAN

MELWAYS: 234 - G2
NOT TO SCALE

LEGEND

S1 — STREET NAME PLATES TO BE IN ACCORDANCE WITH WCC SD825, INCLUDOING "NO THROUGH ROAD" NOMINATION WHERE APPLICABLE

S2 — ROAD CLOSED G9-20; D4-5

S3 — D4-2-1

S4 — D4-1-2R

TGSI KERB RAMP

TGSI DIRECTIONAL

1-WAY RRPM (5m SPACING)

NOTE:

1. STREET SIGNS ARE TO BE MOUNTED ON LIGHT POLES, WITH A COUNCIL APPROVED BRACKET, IN LIEU OF SIGN POLES WHERE THE TWO POLES ARE IN CLOSE PROXIMITY AND WHERE THE STREET SIGN WOULD NOT BE COMPROMISED IN ITS PURPOSE BY THE RELOCATION.

AS CONSTRUCTED

DRAWING INDEX

Sheet No.	Version	Description
1	B	LAYOUT PLAN, LOCALITY PLAN & SERVICE OFFSETS TABLE
2	A	GENERAL NOTES, PAVEMENT COMPOSITIONS & TYPICAL CROSS SECTIONS
3	A	ROAD LONGITUDINAL SECTION - MINKIN STREET
4	A	ROAD CROSS SECTIONS - MINKIN STREET
5	A	ROAD LONGITUDINAL SECTION & CROSS SECTIONS - LABERO DRIVE & HUGARD ROAD
6	A	ROAD CROSS SECTIONS - LABERO DRIVE & HUGARD ROAD
7	A	INTERSECTION DETAILS
8	A	DRAINAGE LONGITUDINAL SECTIONS - SHEET 1 OF 2
9	A	DRAINAGE LONGITUDINAL SECTIONS - SHEET 1 OF 2 & PIT SCHEDULE

SERVICE OFFSETS AND LOCATION TABLE

ROAD NAME	ROAD RESERVE	POTABLE WATER		NON-POTABLE WATER		GAS		ELECTRICITY				TELECOMUNICATIONS		BOK	
								POLE		U/G CABLE					
		SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	SIDE
LABERO DRIVE	16m	E	3.20	E	2.70	E	2.20		1.00*	W	2.60	W	1.85	4.05 W	4.35 E
LABERO DRIVE (NORTH OF LOT 1719)	16m	E	3.30	E	2.70	E	2.20		1.00*	W	2.60	W	1.85	4.05 W	4.35 E
MINKIN STREET	14.5m	N	3.20	N	2.70	N	2.20		1.00*	S	1.05	S	0.40	2.55 S	4.35 N
HUGARD ROAD	14m	S	2.85	S	2.25	S	1.75		1.00*	N	3.95	N	3.35	5.40 S	1.80 N
LEAKES ROAD	20.5m	S	3.50	S	2.90	S	2.40	N	Ex2.50	N	Ex2.50	N	Ex1.50	VARIES	VARIES

1. TELSTRA AND ELECTRICITY CABLES ARE TO BE CONSTRUCTED IN A COMMON TRENCH IN ACCORDANCE WITH ELECTRICITY AUTHORITY STANDARD DRAWINGS.
2. GAS AND WATER MAINS ARE TO BE CONSTRUCTED IN A COMMON TRENCH.
3. * DENOTES OFFSET FROM BACK OF KERB.

WARNING

BEWARE OF UNDERGROUND SERVICES

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

ATTENTION TO CONTRACTOR

1. **IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT THE DIGITAL PLAN, PROVIDED FOR SETOUT PURPOSES, MATCHES THE TBM COORDINATES SHOWN.**
2. Contractor to ensure that the site is pegged by a licenced surveyor and or set out checked by a licenced surveyor prior to underground infrastructure being installed.
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.

SYMBOL LEGEND

Drains (Prop / Exist)
Sewer < 300
Sewer > 300
Potable Water
Recycled Water
House Drain
Property Inlet
Street Sign
PSM
Retaining Wall
Conduits 50mm
Conduits 100mm
Ex Gas/Elect/Tel

Exist Surface Level 28.57
Prop Surface Level 27.28.57
Prop Top Batter Level 27.28.57
Prop Toe Batter Level 27.28.57
Prop Top Retaining Wall Level 27.28.57

Fill > 150mm
Cut > 150mm

VER.	DATE	REMARKS
B	14-02-18	SERVICE OFFSET TABLE AMENDED
A	24-01-18	ISSUED FOR CONSTRUCTION

AMENDMENTS

Council Ref No.-

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. 234 G-2
SURVEY BPD
DESIGN M.A.
DRAWN M.A.
CHECKED

RIVERDALE VILLAGE STAGE 17

LAYOUT PLAN, LOCALITY PLAN & SERVICE OFFSETS TABLE

MUNICIPALITY: WYNDHAM

REFERENCE: 8554 E/17

SCALE AS SHOWN | DATUM AHD | DATE MAY '17 | SHEET 1 OF 9 | B

GENERAL 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 31'H' ARE TO BE PROVIDED WITH A 100mm. DIA. HOUSE DRAIN PLACED 6.00m 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 (CLASS 4). ALL OTHER PIPES TO BE RRJ RCP CLASS 2 UNLESS OTHERWISE SPECIFIED

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 SD 6-10 (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 COUNCIL STANDARD DGN. SD7-1A & SD7-2. AGRICULTURAL DRAINS TO BE CONNECTED TO UNDERGROUND DRAINAGE VIA PITS.

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. IF OPEN DRAIN DEPTH OF OPEN CUT EXCEEDS 1.0m THEN A FENCE MUST BE INSTALLED AROUND THE OPEN DRAIN.

13. (i) ROAD CONTRACTOR :-
(ii) LENGTH OF ROAD :- 395 Ln m
(iii) LENGTH OF DRAINAGE :- 766 Ln m

14. 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.

15. 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. ALL CLEAN FILL REMOVED FROM SITE IS TO BE TAKEN TO WESTS ROAD RESERVE REFUSE DISPOSAL FACILITY UNLESS OTHERWISE APPROVED IN WRITING BY THE DIRECTOR ENGINEERING SERVICES OR HIS REPRESENTATIVE.

16. ON COMPLETION THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ALL RUBBISH AND SPOIL FROM THE SITE.

17. 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.

18. 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.

19. 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.

20. 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.

21. 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.

22. 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.

23. 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.

24. 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.

25. TELSTRA/NBN Co TO BE NOTIFIED 7 DAYS PRIOR TO CONCRETE WORKS BEING PLACED.

26. ALL DRIVEWAYS TO BE OFFSET 0.75m FROM SIDE BOUNDARY OR EASEMENT UNLESS OTHERWISE SHOWN AND TO BE CONSTRUCTED IN ACCORDANCE WITH WYNDHAM CITY COUNCIL STANADRD DRAWINGS.

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. LEVELS SHOWN THUS: 21.21 - EXISTING NATURAL SURFACE
TB21.21 - F.S. LEVEL AT TOP OF BATTER
FS21.21 - F.S. LEVEL AT BUILDING LINE

30. 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.

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 GAA STANDARD DRAWING 006.

32. CONCRETE BIN AREAS TO BE 125mm THICK 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 WCC 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". 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 TO STANDARD DRAWING 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 DIAMETER.

42. ALL SERVICE TRENCHES UNDER CONCRETE FOOTPATHS AND VEHICLE CROSSINGS TO BE BACKFILLED WITH CLASS 3 CRUSHED ROCK MATERIAL.

43. CONTRACTOR TO INSTALL IRRIGATION CONDUITS REFER TO IRRIGATION INFRASTRUCTURE PLAN FOR LOCATIONS AND SIZES.

44. EXISTING DAM OR WATERCOURSES TO BE EXCAVATED TO A FIRM BASE AND BACKFILLED TO LEVEL 1 AS SPECIFIED. DEVELOPER'S CONSULTANT TO BE NOTIFIED WHEN THE DAM OR WATERCOURSES ARE EXCAVATED TO A FIRM BASE. NO FILLING IS TO BE PLACED PRIOR TO DAMS BEING INSPECTED AND LEVELS TAKEN. BACKFILLING IS TO BE CARRIED OUT TO THE SATISFACTION OF THE DIRECTOR ENGINEERING SERVICES OR HIS REPRESENTATIVE.

45. COORDINATES SHOWN ON THE DRAWINGS REFER TO SUBDIVISION COORDINATES.

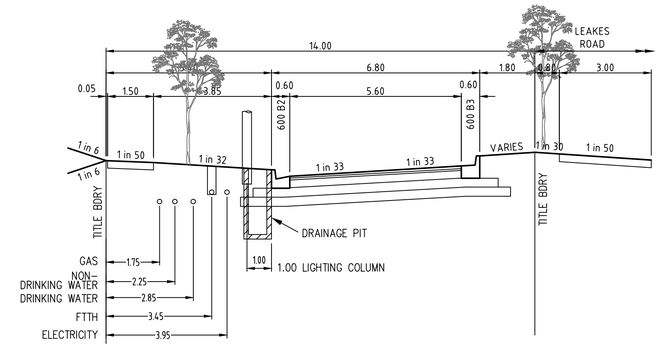
46. ALL PRAM CROSSINGS ARE TO BE FLUSHED TO THE ROAD PAVEMENT SURFACE TO ALLOW A SMOOTH TRANSITION BETWEEN CROSSING AND THE ROAD PAVEMENT FOR DISABLED USERS.

47. TOP CLAYEY SILT IS NOT SUITABLE FOR SUB GRADE AND SHOULD BE STRIPPED FROM SITE.

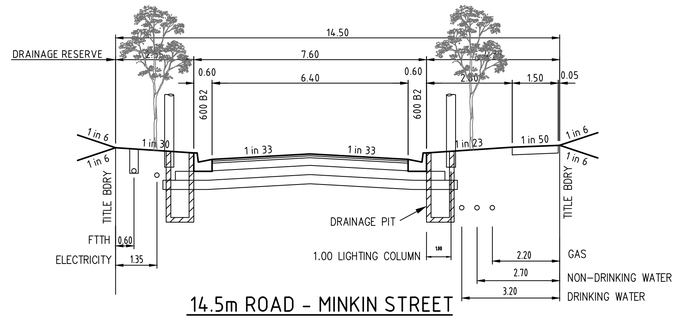
48. MINKIN STREET, LABERO DRIVE & HUGARD ROAD PAVEMENT TO CONSIST OF:

a) 30mm COMPACTED DEPTH 10mm NOMINAL SIZE TYPE 'N' ASPHALT WITH C170 BINDER. (ASPHALT TO BE 5mm PROUD OF LIP OF KERB)
b) 30mm COMPACTED DEPTH 10mm NOMINAL SIZE TYPE 'N' ASPHALT WITH C170 BINDER.
c) 10mm PRIME & SAMI SEAL .
d) 125mm COMPACTED DEPTH 20mm NOMINAL SIZE CLASS 2 F.C.R. COMPACTED TO AT LEAST 100% MODIFIED DRY DENSITY RATIO WITHIN 1% OF THE MODIFIED OPTIMUM MOISTURE CONTENT AND TO ACHIEVE A MINIMUM YOUNG'S MODULUS OF 500 MPa.
e) 100mm COMPACTED DEPTH 20mm NOMINAL SIZE CLASS 3 F.C.R. COMPACTED TO AT LEAST 98% MODIFIED DRY DENSITY RATIO WITHIN 2% OF THE OPTIMUM MOISTURE CONTENT WITH A MINIMUM YOUNG'S MODULUS OF 500 MPa.
f) 235mm COMPACTED DEPTH 40mm RIPPED ROCK WITH A MINIMUM SOAKED CBR OF 10% COMPACTED TO AT LEAST 98% STANDARD DRY DENSITY RATIO WITHIN 1% OF THE STANDARD OPTIMUM MOISTURE CONTENT WITH A PERCENTAGE SWELL OF ≤ 1.5% AND PERMEABILITY OF ≤ $1x10^{-9}$ m/sec.

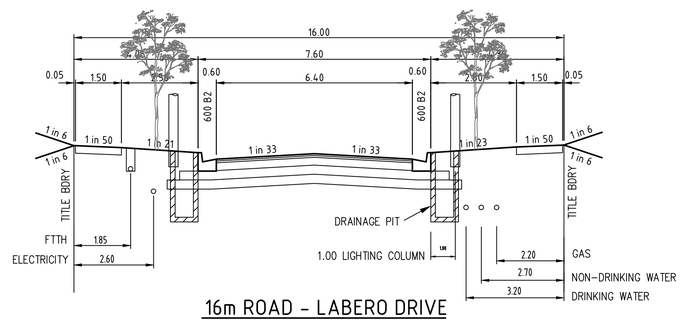
TOTAL PAVEMENT DEPTH 530mm



14m ROAD - HUGARD ROAD



14.5m ROAD - MINKIN STREET



16m ROAD - LABERO DRIVE

TYPICAL CROSS SECTIONS

NOT TO SCALE

AS CONSTRUCTED

VER.	DATE	REMARKS
A	24-01-18	ISSUED FOR CONSTRUCTION

AMENDMENTS

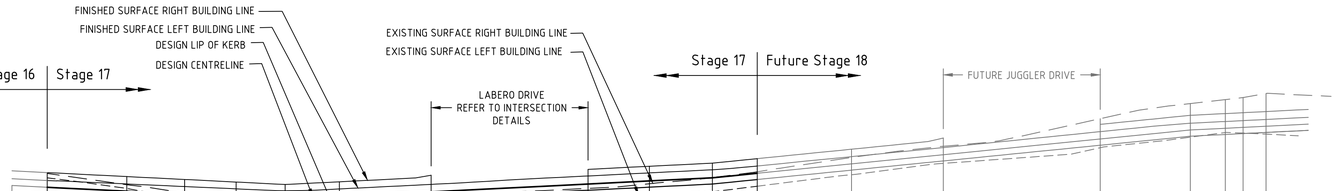
breese pitt dixon pty. ltd.
land surveyors civil engineers
1/19 cato street
hawthorn east, 3123
telephone 8823 2300
fax no. 8823 2310

MELWAY REF. 234 G-2
SURVEY TAYLORS
DESIGN M.A.
DRAWN M.A.
CHECKED

RIVERDALE VILLAGE
STAGE 17
GENERAL NOTES, PAVEMENT COMPOSITIONS & TYPICAL CROSS SECTIONS

MUNICIPALITY: WYNDHAM
REFERENCE: 8554 E/17

SCALE AS SHOWN | DATUM AHD | DATE MAY '17 | SHEET 2 OF 9 | A



DESIGN CL RADIUS																												
DESIGN CL VC LENGTH																												
DESIGN CL GRADING				-0.500%					0.500%							1.000%				0.500%		0.500%						
DATUM 44																												
EXISTING SURFACE LEFT BUILDING LINE		47.250	47.077	46.905	46.756	46.671	46.679	46.739	46.910	46.966	47.022	47.114	47.302	47.486	47.742	47.914	47.990	47.981	47.964									
FINISHED SURFACE LEFT BUILDING LINE		47.207	47.150	47.108	47.070	47.040	47.069	47.143	47.281	47.331	47.382	47.443	47.596	47.744	48.004	48.141	48.170	48.184	48.203									
LEFT DESIGN LIP OF KERB		46.995	46.930	46.883	46.841	46.801	46.845	46.920	47.048	47.098	47.149	47.222	47.376	47.526	47.782	47.929	47.958	47.972	47.991									
DESIGN CL SURFACE LEVEL	47.125	47.096	47.031	46.984	46.942	46.902	46.946	47.021	47.149	47.199	47.251	47.324	47.478	47.628	47.884	48.031	48.059	48.074	48.093									
RIGHT DESIGN LIP OF KERB		46.995	46.930	46.883	46.841	46.801	46.845	46.920	47.048	47.098	47.149	47.222	47.376	47.526	47.782	47.929	47.958	47.972	47.991									
FINISHED SURFACE RIGHT BUILDING LINE		47.336	47.271	47.224	47.182	47.142	47.186	47.294	47.389	47.439	47.490	47.563	47.717	47.900	48.123	48.270	48.299	48.313	48.332									
EXISTING SURFACE RIGHT BUILDING LINE		47.322	47.138	47.000	46.905	46.900	46.882	46.955	47.078	47.154	47.255	47.349	47.593	47.765	48.215	48.463	48.528	48.561	48.627									
CHAINAGE	12.650	18.400	31.400	40.850	49.247	57.252	66.103	81.085	106.685	116.709	127.000	134.311	149.713	164.694	190.294	205.000	210.721	213.633	217.370									
	TP's							RTP	RTP					RTP	RTP													

MINKIN STREET LONGITUDINAL SECTION

SCALE: H 1:500, V 1:50

AS CONSTRUCTED

Council Ref No.-

0 1 2 4 1:100
0 0.5 1 2 1:50
0 5 10 20 1:500
0 0.5 1 2 1:50
ALL LENGTHS ARE IN METRES

AMENDMENTS		
A	24-01-18	ISSUED FOR CONSTRUCTION
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

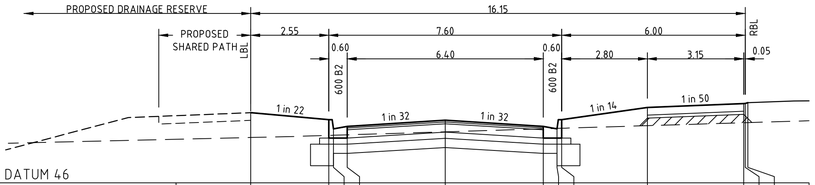
MELWAY REF. 234 G-2
SURVEY BPD
DESIGN M.A.
DRAWN M.A.
CHECKED

RIVERDALE VILLAGE STAGE 17

ROAD LONGITUDINAL SECTION
MINKIN STREET

MUNICIPALITY: WYNDHAM
REFERENCE: 8554 E/17

SCALE AS SHOWN | DATUM AHD | DATE MAY '17 | SHEET 3 OF 9 | A

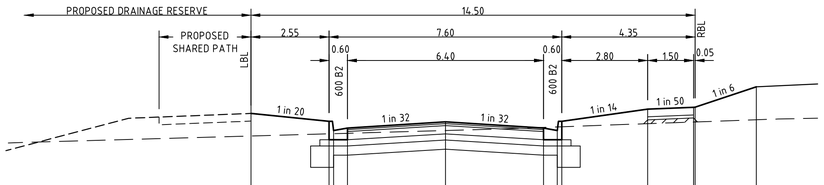


DATUM 46

DESIGN SURFACE LEVEL	47.143	47.030	46.880	46.920	47.021	46.920	46.880	47.030	47.230	47.293	47.296	47.307
EXISTING SURFACE LEVEL	46.739	46.773	46.775	46.782	46.831	46.880	46.887	46.890	46.932	46.980	46.980	46.982
OFFSET	-6.350	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	9.746	9.796	9.878

MINKIN STREET

RTP CH 81.085

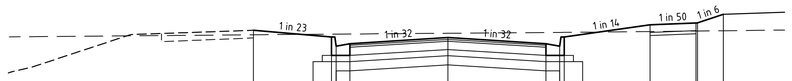


DATUM 45.5

DESIGN SURFACE LEVEL	47.040	46.911	46.761	46.801	46.902	46.801	46.761	46.911	47.111	47.141	47.142	47.475
EXISTING SURFACE LEVEL	46.671	46.707	46.709	46.715	46.761	46.812	46.820	46.823	46.873	46.900	46.900	46.936
OFFSET	-6.350	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150	10.150

MINKIN STREET

CH 57.252

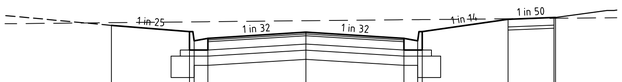


DATUM 46

DESIGN SURFACE LEVEL	47.150	47.040	46.890	46.930	47.031	46.930	46.890	47.040	47.240	47.270	47.271	47.411
EXISTING SURFACE LEVEL	47.077	47.087	47.087	47.089	47.101	47.114	47.115	47.116	47.130	47.138	47.138	47.143
OFFSET	-6.350	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150	8.993

MINKIN STREET

CH 31.400

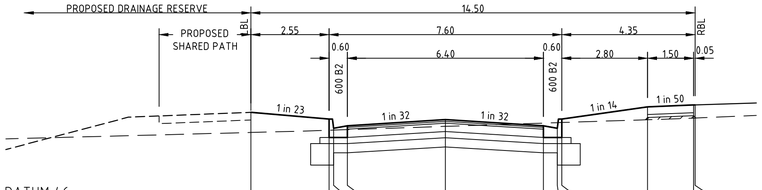


DATUM 46

DESIGN SURFACE LEVEL	47.207	47.105	46.955	46.995	47.096	46.995	46.955	47.105	47.305	47.335	47.336
EXISTING SURFACE LEVEL	47.250	47.263	47.264	47.266	47.282	47.298	47.300	47.300	47.314	47.322	47.322
OFFSET	-6.350	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150

MINKIN STREET

CH 18.400 (LIMIT OF WORKS)

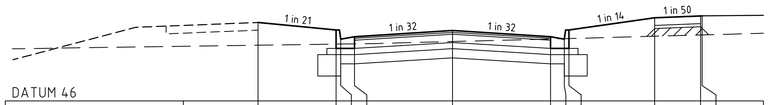


DATUM 46

DESIGN SURFACE LEVEL	47.443	47.332	47.182	47.222	47.324	47.222	47.182	47.332	47.532	47.562	47.563
EXISTING SURFACE LEVEL	47.114	47.150	47.153	47.160	47.213	47.267	47.274	47.277	47.322	47.348	47.349
OFFSET	-6.350	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150

MINKIN STREET

CH 134.311 (LIMIT OF WORKS)



DATUM 46

DESIGN SURFACE LEVEL	47.281	47.158	47.008	47.048	47.149	47.048	47.008	47.158	47.358	47.388	47.389
EXISTING SURFACE LEVEL	46.910	46.928	46.930	46.933	46.970	47.011	47.017	47.019	47.057	47.077	47.078
OFFSET	-6.350	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150

MINKIN STREET

RTP CH 106.685

MINKIN STREET CROSS SECTIONS

SCALE: H 1:100, V 1:50

AS CONSTRUCTED

CRUSHED ROCK BACKFILL CLASS 3

0 1 2 4 1:100
0 0.5 1 2 1:50
0 5 10 20 1:500
0 0.5 1 2 1:50
ALL LENGTHS ARE IN METRES

Council Ref No.-

VER.	DATE	REMARKS
A	24-01-18	ISSUED FOR CONSTRUCTION

AMENDMENTS

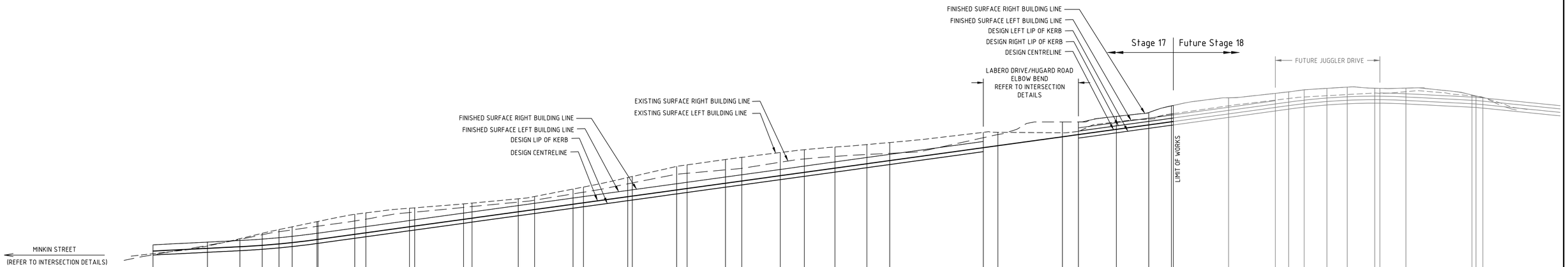
breese pitt dixon pty. ltd.
land surveyors civil engineers
1/19 cato street
hawthorn east, 3123
telephone 8823 2300
fax no. 8823 2310

MELWAY REF. 234 G-2
SURVEY BPD
DESIGN M.A.
DRAWN M.A.
CHECKED

RIVERDALE VILLAGE
STAGE 17
ROAD CROSS SECTIONS
MINKIN STREET

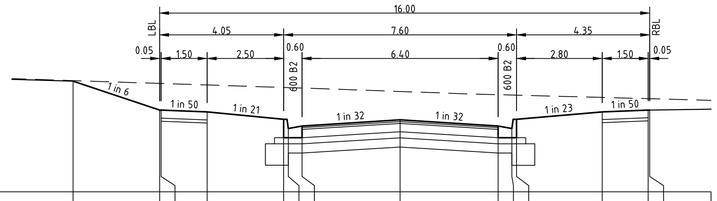
MUNICIPALITY WYNDHAM
REFERENCE 8554 E/17

SCALE AS SHOWN | DATUM AHD | DATE MAY '17 | SHEET 4 OF 9 | A


FINISHED SURFACE RIGHT BUILDING LINE
FINISHED SURFACE LEFT BUILDING LINE
DESIGN LEFT LIP OF KERB
DESIGN RIGHT LIP OF KERB
DESIGN CENTRELINE
Stage 17
Future Stage 18
FUTURE JUGGLER DRIVE
LABERO DRIVE/HUGARD ROAD
ELBOW BEND
REFER TO INTERSECTION
DETAILS
EXISTING SURFACE RIGHT BUILDING LINE
EXISTING SURFACE LEFT BUILDING LINE
FINISHED SURFACE RIGHT BUILDING LINE
FINISHED SURFACE LEFT BUILDING LINE
DESIGN LIP OF KERB
DESIGN CENTRELINE
LIMIT OF WORKS
MINKIN STREET
(REFER TO INTERSECTION DETAILS)
I.P. 47.405
CH 50.519
I.P. 51.176
CH 323.782
I.P. 51.611
CH 356.709
DESIGN CL RADIUS
DESIGN CL VC LENGTH
DESIGN CL GRADING
R10.00m
R100.00m
R100.00m
20.00m VC
30.00m VC
0.500%
1.380%
-0.500%
-1.000%

DATUM 44

| | | |

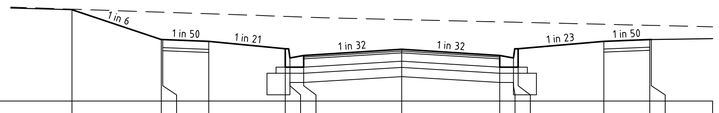


DATUM 48

DESIGN SURFACE LEVEL	49.805	49.334	49.333	49.303	49.183	49.033	49.033	49.174	49.033	49.033	49.183	49.303	49.333	49.334
EXISTING SURFACE LEVEL	49.814	49.768	49.767	49.743	49.702	49.700	49.692	49.636	49.584	49.578	49.576	49.539	49.519	49.519
OFFSET	-10.675	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150

LABERO DRIVE

CH 178.741

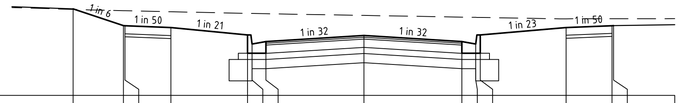


DATUM 48

DESIGN SURFACE LEVEL	49.490	49.005	49.004	48.974	48.854	48.704	48.744	48.845	48.744	48.704	48.854	48.974	49.004	49.005
EXISTING SURFACE LEVEL	49.500	49.451	49.450	49.425	49.382	49.379	49.371	49.330	49.293	49.287	49.286	49.253	49.236	49.235
OFFSET	-10.764	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150

LABERO DRIVE

CH 154.901

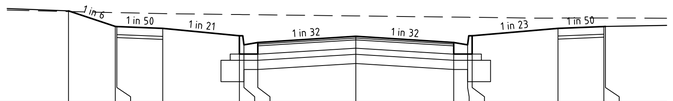


DATUM 47.5

DESIGN SURFACE LEVEL	48.913	48.639	48.638	48.608	48.488	48.338	48.378	48.480	48.378	48.338	48.688	48.608	48.638	48.639
EXISTING SURFACE LEVEL	48.904	48.883	48.883	48.866	48.839	48.837	48.833	48.806	48.778	48.774	48.773	48.750	48.751	48.751
OFFSET	-9.493	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150

LABERO DRIVE

CH 128.401

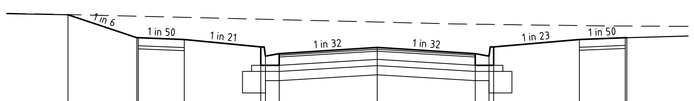


DATUM 47

DESIGN SURFACE LEVEL	48.501	48.246	48.245	48.215	48.095	47.945	47.985	48.086	47.985	47.945	48.095	48.215	48.245	48.246
EXISTING SURFACE LEVEL	48.489	48.472	48.471	48.455	48.440	48.439	48.437	48.417	48.398	48.396	48.395	48.383	48.384	48.384
OFFSET	-9.380	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150

LABERO DRIVE

CH 99.901

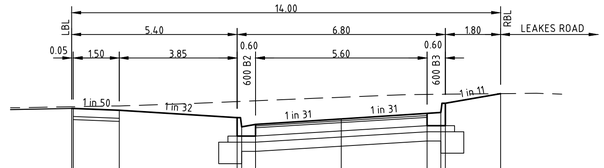


DATUM 46.5

DESIGN SURFACE LEVEL	48.245	47.871	47.870	47.840	47.720	47.570	47.610	47.711	47.610	47.570	47.720	47.840	47.870	47.871
EXISTING SURFACE LEVEL	48.247	48.221	48.221	48.203	48.172	48.171	48.165	48.126	48.091	48.088	48.087	48.068	48.060	48.060
OFFSET	-10.095	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150

LABERO DRIVE

CH 72.741

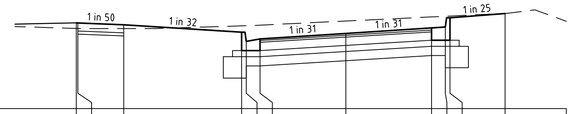


DATUM 49.5

DESIGN SURFACE LEVEL	50.733	50.732	50.702	50.582	50.432	50.472	50.562	50.651	50.666	50.816	50.974
EXISTING SURFACE LEVEL	50.760	50.760	50.773	50.845	50.848	50.857	50.915	50.962	50.964	50.965	50.974
OFFSET	-8.800	-8.750	-7.250	-3.400	-3.250	-2.800	0.000	2.800	3.250	3.400	5.200

HUGARD ROAD

CH 279.286 (LIMIT OF WORKS)

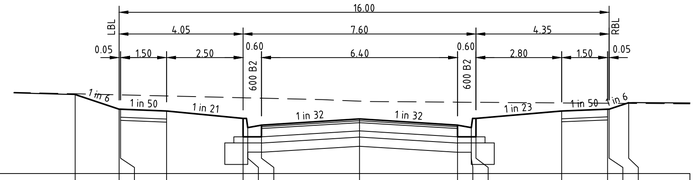


DATUM 49

DESIGN SURFACE LEVEL	50.398	50.397	50.367	50.247	50.097	50.137	50.227	50.316	50.331	50.481	50.553
EXISTING SURFACE LEVEL	50.308	50.307	50.306	50.350	50.353	50.362	50.429	50.496	50.507	50.510	50.553
OFFSET	-8.800	-8.750	-7.250	-3.400	-3.250	-2.800	0.000	2.800	3.250	3.400	5.200

HUGARD ROAD

LTP CH 254.999

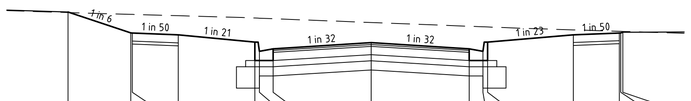


DATUM 49

DESIGN SURFACE LEVEL	50.289	50.051	50.050	50.020	49.900	49.750	49.790	49.891	49.790	49.750	49.900	50.020	50.050	50.051	50.157
EXISTING SURFACE LEVEL	50.301	50.284	50.284	50.266	50.236	50.235	50.229	50.182	50.165	50.163	50.163	50.153	50.147	50.147	50.144
OFFSET	-9.282	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150	8.788

LABERO DRIVE

LTP CH 230.685



DATUM 48.5

DESIGN SURFACE LEVEL	50.061	49.720	49.719	49.689	49.569	49.419	49.459	49.561	49.459	49.419	49.569	49.689	49.719	49.720	49.731
EXISTING SURFACE LEVEL	50.053	50.023	50.022	50.001	49.963	49.960	49.952	49.890	49.829	49.820	49.817	49.770	49.746	49.746	49.745
OFFSET	-9.898	-7.850	-7.800	-6.300	-3.800	-3.650	-3.200	0.000	3.200	3.650	3.800	6.600	8.100	8.150	8.216

LABERO DRIVE

CH 206.741

AS CONSTRUCTED

LABERO DRIVE & HUGARD ROAD CROSS SECTIONS

SCALE: H 1:100, V 1:50

CRUSHED ROCK BACKFILL CLASS 3

0 1 2 4 1:100
0 0.5 1 2 1:50
0 5 10 20 1:500
0 0.5 1 2 1:50
ALL LENGTHS ARE IN METRES

Council Ref No.-

VER.	DATE	REMARKS
A	24-01-18	ISSUED FOR CONSTRUCTION

AMENDMENTS

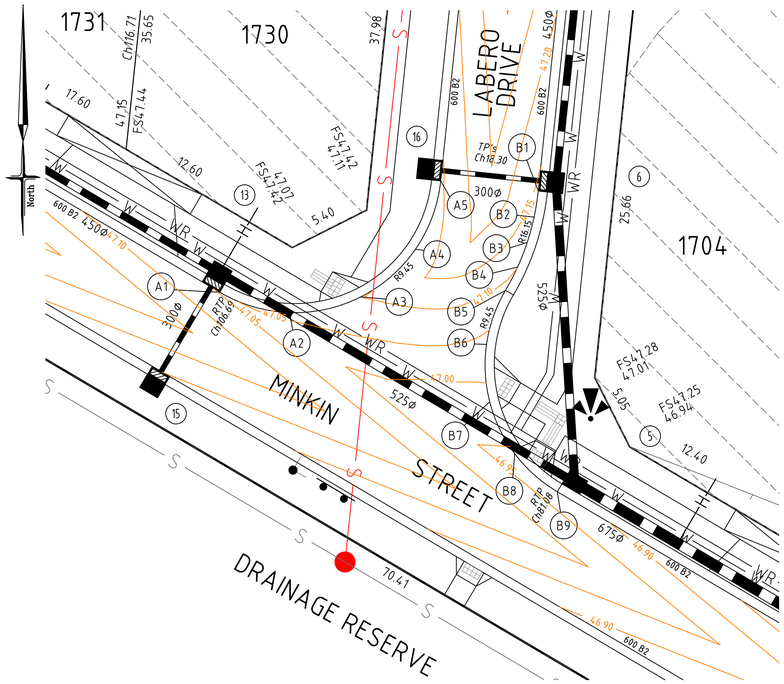
breese pitt dixon pty. ltd.
land surveyors civil engineers
1/19 cato street
hawthorn east, 3123
telephone 8823 2300
fax no. 8823 2310

MELWAY REF. 234 G-2
SURVEY BPD
DESIGN M.A.
DRAWN M.A.
CHECKED

RIVERDALE VILLAGE
STAGE 17
ROAD CROSS SECTIONS
LABERO DRIVE & HUGARD ROAD

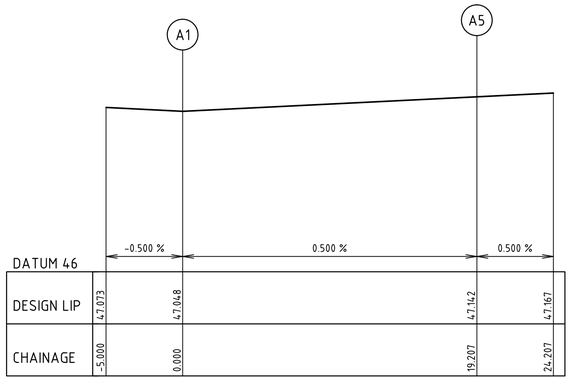
MUNICIPALITY WYNDHAM
REFERENCE 8554 E/17

SCALE AS SHOWN | DATUM AHD | DATE MAY '17 | SHEET 6 OF 9 | A



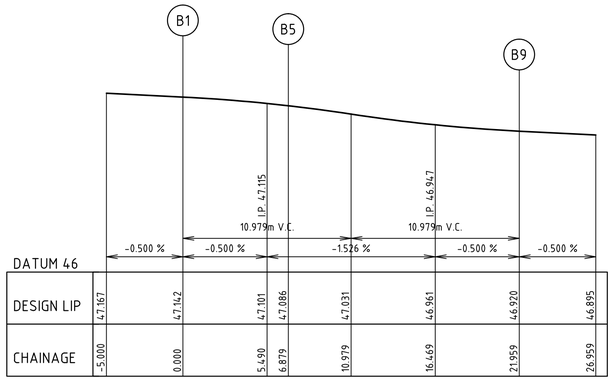
MINKIN STREET/LABERO DRIVE INTERSECTION DETAIL

SCALE 1:200 AT A1 SIZE



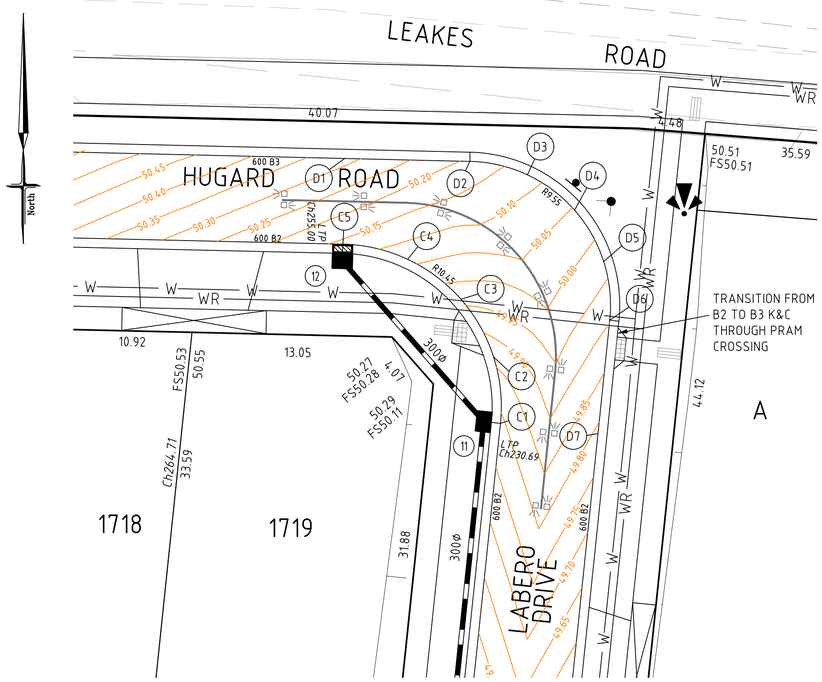
LIP LINE A

SETOUT TABLE LIP A			
Point	Easting	Northing	RL
A1	270.014	815.878	47.048
A2	274.576	814.549	47.071
A3	279.217	815.571	47.095
A4	282.799	818.694	47.119
A5	284.445	823.151	47.142



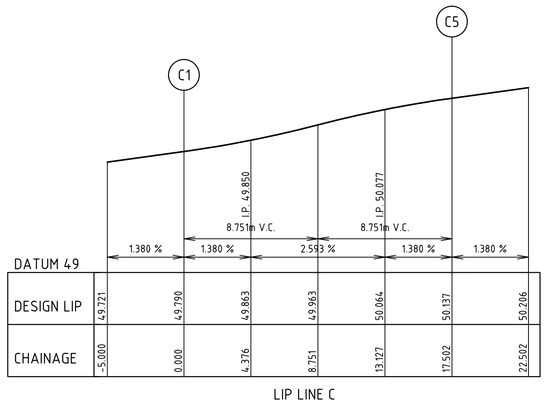
LIP LINE B

SETOUT TABLE LIP B			
Point	Easting	Northing	RL
B1	290.810	822.489	47.142
B2	290.541	820.792	47.132
B3	290.091	819.133	47.119
B4	289.466	817.531	47.104
B5	288.672	816.007	47.086
B6	287.433	812.472	47.036
B7	287.641	808.732	46.984
B8	289.264	805.356	46.945
B9	292.055	802.858	46.920



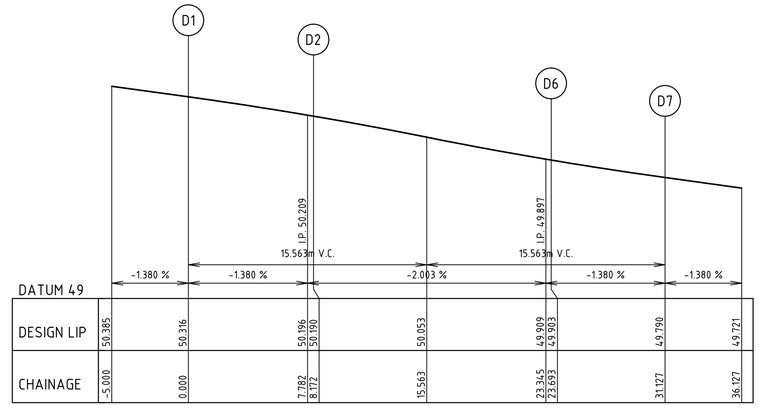
LABERO DRIVE/HUGARD ROAD INTERSECTION DETAIL

SCALE 1:200 AT A1 SIZE



LIP LINE C

SETOUT TABLE LIP C			
Point	Easting	Northing	RL
C1	306.409	1034.394	49.790
C2	305.963	1038.715	49.863
C3	303.821	1042.495	49.963
C4	300.343	1045.098	50.064
C5	296.113	1046.087	50.137



LIP LINE D

SETOUT TABLE LIP D			
Point	Easting	Northing	RL
D1	296.243	1051.686	50.316
D2	304.413	1051.496	50.190
D3	308.164	1050.619	50.121
D4	311.249	1048.310	50.045
D5	313.148	1044.958	49.971
D6	313.544	1041.126	49.903
D7	312.775	1033.732	49.790

LIP PROFILES

SCALE 1:200 AT A1 SIZE

0 2 4 8 1:200

0 0.2 0.4 0.8 1:20

ALL LENGTHS ARE IN METRES

AS CONSTRUCTED

NOTES:

1. ALL KERB AND CHANNEL TO BE AS SPECIFIED.
2. ALL CHAINAGES ARE SQUARE TO CENTERLINE OF ROAD PAVEMENT.
3. ALL SETOUT TO LIP OF KERB UNLESS OTHERWISE SHOWN.
4. KERB LEVELS ARE TO LIP OF KERB.
5. CONDUITS NOT SHOWN FOR CLARITY.

WARNING

BEWARE OF UNDERGROUND SERVICES

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

SYMBOL LEGEND

Drains
Sewer < 300
Sewer > 300
Potable Water
Recycled Water
House Drain
Property Inlet
Street Sign
PSM
Retaining Wall
Conduits 50mm
Conduits 100mm
Ex Gas/Elect/Tel

Prop / Exist

Exist Surface Level 28.57
Prop Surface Level FS28.57
Prop Top Batter Level TB28.57
Prop Toe Batter Level TOE28.57
Prop Top Retaining Wall Level TW28.57

Fill > 150mm
Cut > 150mm

Council Ref No.-

VER.	DATE	REMARKS
A	24-01-18	ISSUED FOR CONSTRUCTION

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. 234 G-2
SURVEY BPD
DESIGN M.A.
DRAWN M.A.
CHECKED

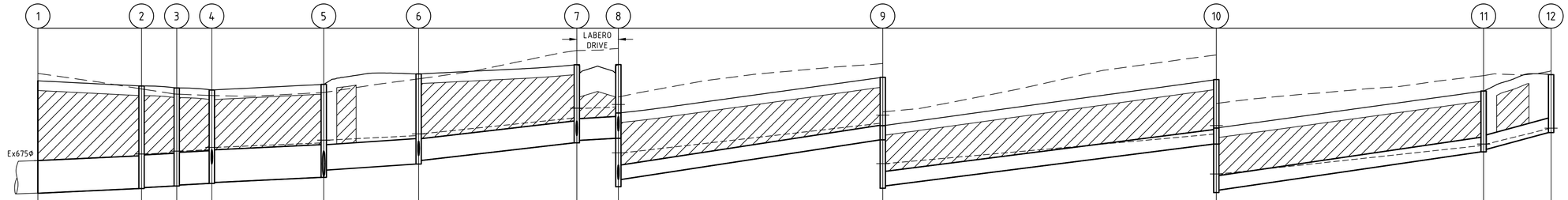
RIVERDALE VILLAGE STAGE 17

INTERSECTION DETAILS

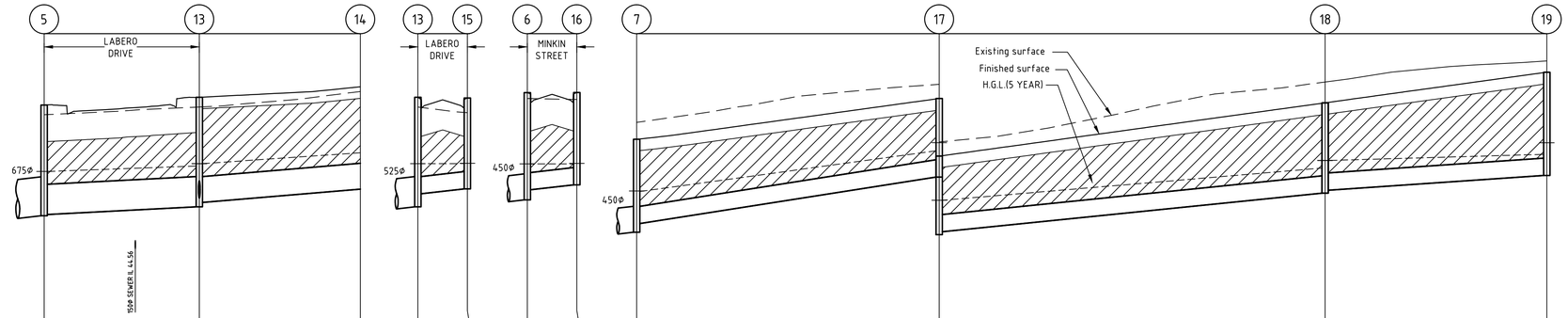
MUNICIPALITY WYNDHAM

REFERENCE 8554 E/17

SCALE AS SHOWN | DATUM AHD | DATE MAY '17 | SHEET 7 OF 9 | A



	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
VELOCITY (m/sec)	1.58m/s	1.58m/s	1.58m/s	1.58m/s	1.58m/s	1.89m/s	1.27m/s	1.67m/s	1.53m/s	1.64m/s	2.16m/s
DESIGN (m3/s)	0.56m3/s	0.55m3/s	0.55m3/s	0.53m3/s	0.30m3/s	0.29m3/s	0.17m3/s	0.10m3/s	0.07m3/s	0.03m3/s	0.01m3/s
CAPACITY (m3/s)	0.57m3/s	0.57m3/s	0.57m3/s	0.57m3/s	0.34m3/s	0.30m3/s	0.20m3/s	0.12m3/s	0.11m3/s	0.12m3/s	0.15m3/s
DIAMETER AND TYPE	675 RRJ	675 RRJ	675 RRJ	675 RRJ	525 RRJ	450 RRJ	450 RRJ	300 RRJ	300 RRJ	300 RRJ	300 RRJ
GRADE	CLASS 4	CLASS 4	CLASS 4	CLASS 4	CLASS 2	CLASS 4	CLASS 4	CLASS 4	CLASS 4	CLASS 4	CLASS 2
	1 in 220	1 in 220	1 in 220	1 in 220	1 in 157	1 in 90	1 in 200	1 in 66.8	1 in 80	1 in 70	1 in 40
DATUM RL	41.0						42.0	43.0		44.0	
DEPTH FS TO INVERT	2.322 / 2.322	2.117 / 2.097	2.023 / 2.003	1.929 / 1.909	1.920 / 1.770	1.860 / 1.785 / 1.613	1.563 / 1.522 / 1.372	1.292 / 1.242	1.331 / 1.281	1.255 / 1.205	1.195
HGL LEVEL	45.490	45.581 / 45.624	45.655 / 45.683	45.714 / 45.760	45.854 / 45.910	46.033 / 46.040 / 46.369	46.571 / 46.563 / 46.594 / 46.648 / 46.644	47.259 / 47.426	48.035 / 48.212	48.797 / 48.829	49.146 / 49.158
INVERT	44.813 / 44.813	44.911 / 44.931	44.964 / 44.984	45.017 / 45.037	45.142 / 45.292	45.417 / 45.492 / 45.855	45.905 / 45.948 / 46.098	46.917 / 46.967	47.829 / 47.879	48.669 / 48.719	49.068
FINISHED SURFACE	47.136	47.028	46.987	46.946	47.062	47.277	47.468 / 47.471	48.208	49.161	49.924	50.263
NATURAL SURFACE	47.288	46.967	46.861	46.832	46.894	47.176	47.761 / 47.802	48.494	49.669	50.242	50.342
CHAINAGE	0.000	21.450	28.712	35.975	59.133	78.756	111.479 / 120.079	174.779	243.779	299.062	313.026
	L=21.450m	L=7.263m	L=7.263m	L=23.158m	L=19.623m	L=32.723m	L=8.600m	L=54.700m	L=69.000m	L=55.283m	L=13.964m



	5–13	13–14	13–15	6–16	7–17	17–18	18–19
VELOCITY (m/sec)	1.44m/s	1.63m/s	1.37m/s	1.37m/s	1.70m/s	1.37m/s	1.12m/s
DESIGN (m3/s)	0.25m3/s	0.23m3/s	0.01m3/s	0.01m3/s	0.11m3/s	0.09m3/s	0.05m3/s
CAPACITY (m3/s)	0.30m3/s	0.26m3/s	0.10m3/s	0.10m3/s	0.12m3/s	0.10m3/s	0.08m3/s
DIAMETER AND TYPE	525 RRJ	450 RRJ	300 RRJ	300 RRJ	300 RRJ	300 RRJ	300 RRJ
GRADE	CLASS 4	CLASS 4	CLASS 4	CLASS 4	CLASS 4	CLASS 4	CLASS 4
	1 in 200	1 in 121	1 in 100	1 in 100	1 in 65	1 in 100	1 in 150
DATUM RL	41.0		41.0	41.0	42.0	43.0	
DEPTH FS TO INVERT	1.920 / 1.900	1.900 / 1.825 / 1.775	1.900 / 1.675	1.860 / 1.685 / 1.602	1.613 / 1.463 / 1.362	1.312 / 1.567	1.517 / 1.792
HGL LEVEL	45.854 / 45.910	46.004 / 46.046 / 46.234	46.004 / 46.046	46.003 / 46.040 / 46.041	46.369 / 46.571 / 46.563 / 47.268	47.410 / 47.969	48.100 / 48.207 / 48.407
INVERT	45.142 / 45.162	45.297 / 45.372 / 45.603	45.297 / 45.522	45.417 / 45.592 / 45.678	45.855 / 46.005 / 46.814	46.864 / 47.536	47.584 / 47.840
FINISHED SURFACE	47.062	47.197 / 47.378	47.197 / 47.185	47.277 / 47.280	47.468 / 48.116	49.101	49.632
NATURAL SURFACE	46.894	47.029 / 47.297	47.029 / 46.931	47.176 / 47.160	47.761 / 48.422	49.462	49.828
CHAINAGE	0.000	26.950 / 54.901	0.000 / 8.600	0.000 / 8.600	0.000 / 52.540	119.540	158.040
	L=26.950m	L=27.951m	L=8.600m	L=8.600m	L=52.540m	L=67.000m	L=38.500m

DRAINAGE LONGITUDINAL SECTIONS

SCALE: H 1:500, V 1:50

NOTE:

CRUSHED ROCK BACKFILL

0 5 10 20 1:500
0 0.5 1 2 1:50
ALL LENGTHS ARE IN METRES

AS CONSTRUCTED

Council Ref No.-

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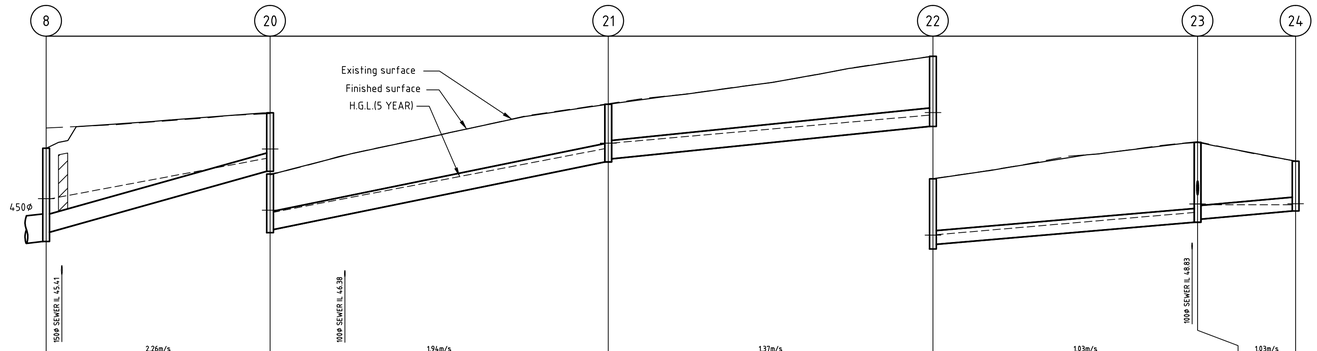
RIVERDALE VILLAGE
STAGE 17
DRAINAGE LONGITUDINAL SECTIONS
SHEET 1 OF 2

MUNICIPALITY: WYNDHAM

REFERENCE: 8554 E/17

SCALE: AS SHOWN | DATUM: AHD | DATE: MAY '17 | SHEET 8 OF 9 | A



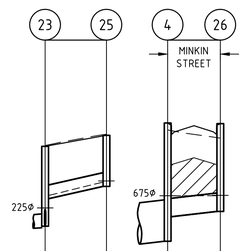
VELOCITY (m/sec)	2.26m/s					1.94m/s					1.37m/s					1.03m/s					1.03m/s		
DESIGN (m3/s)	0.07m3/s					0.08m3/s					0.06m3/s					0.04m3/s					0.01m3/s		
CAPACITY (m3/s)	0.16m3/s					0.14m3/s					0.10m3/s					0.04m3/s					0.04m3/s		
DIAMETER AND TYPE	300 RRJ CLASS 2					300 RRJ CLASS 2					300 RRJ CLASS 2					225 RRJ CLASS 2					225 RRJ CLASS 2		
GRADE	1 in 36.7					1 in 50					1 in 100					1 in 120					1 in 120		
DATUM RL	42.0					43.0										45.0							
DEPTH FS TO INVERT	1.522	1.372				0.956	0.906				0.942	0.892				1.145	1.070				1.303	1.253	0.815
HGL LEVEL	46.594	46.648	46.644			47.307	47.459	47.426			48.464	48.554				49.012	49.053	49.059			49.422	49.561	49.547	49.548	49.566
INVERT	45.948	46.098				47.093	47.143				48.247	48.297				48.827	48.902				49.262	49.312		49.446	
FINISHED SURFACE	47.471					48.049					49.189					49.972					50.565			50.260	
NATURAL SURFACE	47.802					48.035					49.198					49.976					50.578			50.262	
CHAINAGE	0.000					36.550					91.750					144.750					187.950			203.950	
	L=36.550m					L=55.200m					L=53.000m					L=43.200m					L=16.000m		

DRAINAGE LONGITUDINAL SECTIONS

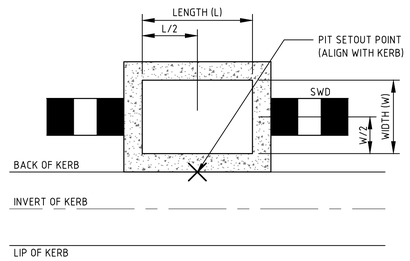
SCALE: H 1:500, V 1:50

NOTE:

CRUSHED ROCK BACKFILL

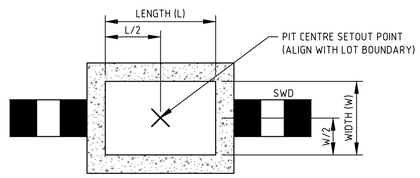


VELOCITY (m/sec)	1.60m/s					1.37m/s					
DESIGN (m3/s)	0.01m3/s					0.01m3/s					
CAPACITY (m3/s)	0.06m3/s					0.10m3/s					
DIAMETER AND TYPE	225 RRJ CLASS 2					300 RRJ CLASS 4					
GRADE	1 in 50					1 in 100					
DATUM RL	45.0					41.0					
DEPTH FS TO INVERT	1.303	0.855		0.835		1.929	1.529		1.433		
HGL LEVEL	49.422	49.561	49.764	49.982	50.000	45.714	45.760		45.760	45.766	
INVERT	49.262	49.711		49.911		45.017	45.477		45.503		
FINISHED SURFACE	50.565			50.746		46.946			46.936		
NATURAL SURFACE	50.578			50.762		46.832			46.700		
CHAINAGE	0.000			10.000		0.000			8.600		
	L=10.000m					L=8.600m					



TYPICAL DRAINAGE PIT SETOUT POINT IN ROAD RESERVE

NOT TO SCALE



TYPICAL DRAINAGE PIT SETOUT POINT IN EASEMENT

NOT TO SCALE

DRAINAGE PIT SCHEDULE

PIT		INTERNAL		INLET		OUTLET		PIT		
PIT No	TYPE	WD	LEN	DIA	INV LEV	DIA	INV LEV	FINISHED COVER RL	DEPTH	REMARKS
1	Existing End Pipe			675	44.813	Ex675	44.813	47.136	2.322	Connect to Existing End Pipe
2	Junction Pit	900	900	675	44.931	675	44.911	47.028	2.117	EDCM 607
3	Junction Pit	900	900	675	44.984	675	44.964	46.987	2.023	EDCM 607
4	Double Grated Side Entry Pit	900	1800	675	45.037	675	45.017	46.946	1.929	EDCM 602 (B2 Kerb)
				300	45.417					
5	Junction Pit	900	900	525	45.292	675	45.142	47.062	1.920	EDCM 607
				525	45.162					
6	Grated Side Entry Pit	600	900	450	45.492	450	45.417	47.277	1.860	EDCM 601 (B2 Kerb)
				300	45.592					
7	Junction Pit	600	900	450	45.905	450	45.855	47.468	1.613	EDCM 607
				300	46.005					
8	Junction Pit	600	900	300	46.098	450	45.948	47.471	1.522	EDCM 607
				300	46.098					
9	Grated Side Entry Pit	600	900	300	46.967	300	46.917	48.208	1.292	EDCM 601 (B2 Kerb)
10	Grated Side Entry Pit	600	900	300	47.879	300	47.829	49.161	1.331	EDCM 601 (B2 Kerb)
11	Junction Pit	600	900	300	48.719	300	48.669	49.924	1.255	EDCM 607
12	Grated Side Entry Pit	600	900			300	49.068	50.263	1.195	EDCM 601 (B2 Kerb)
13	Grated Side Entry Pit	600	900	450	45.372	525	45.297	47.197	1.900	EDCM 601 (B2 Kerb)
				300	45.522					
14	End Pipe					450	45.603	47.378	1.775	Cap End
15	Grated Side Entry Pit	600	900			300	45.608	47.185	1.577	EDCM 601 (B2 Kerb)
16	Grated Side Entry Pit	600	900			300	45.678	47.280	1.602	EDCM 601 (B2 Kerb)
17	Grated Side Entry Pit	600	900	300	46.864	300	46.814	48.176	1.362	EDCM 601 (B2 Kerb)
18	Grated Side Entry Pit	600	900	300	47.584	300	47.534	49.101	1.567	EDCM 601 (B2 Kerb)
19	Junction Pit	600	900			300	47.840	49.632	1.792	EDCM 607, Provide 150 dia. Property connection IL47.890
20	Junction Pit	600	900	300	47.143	300	47.093	48.049	0.956	EDCM 607
21	Junction Pit	600	900	300	48.297	300	48.247	49.189	0.942	EDCM 607
22	Junction Pit	600	900	225	48.902	300	48.827	49.972	1.145	EDCM 607
23	Junction Pit	600	900	225	49.312	225	49.262	50.565	1.303	EDCM 607
				225	49.711					
24	Junction Pit	600	900			225	49.446	50.260	0.815	EDCM 607
25	Junction Pit	600	900			225	49.911	50.746	0.835	EDCM 607
26	Double Grated Side Entry Pit	600	1800			300	45.503	46.936	1.433	EDCM 602 (B2 Kerb)

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0 5 10 20 1:500
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RIVERDALE VILLAGE
STAGE 17
DRAINAGE LONGITUDINAL SECTIONS - SHEET 2 OF 2
& PIT SCHEDULE

MUNICIPALITY WYNDHAM
REFERENCE 8554 E/17

SCALE AS SHOWN | DATUM AHD | DATE MAY '17 | SHEET 9 OF 9 | A