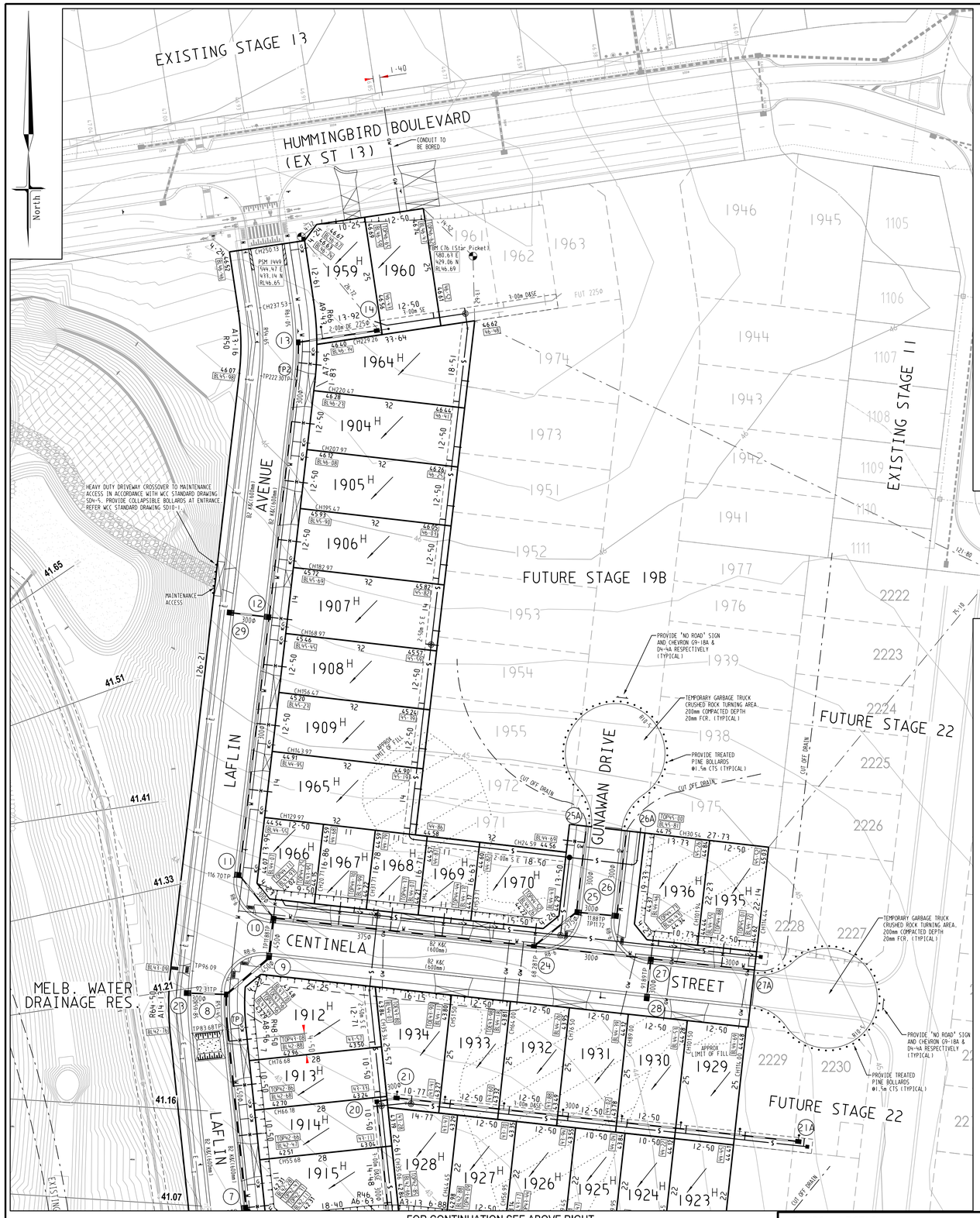


PLAN

SCALE 1:500

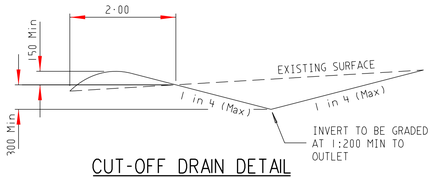
SCALE 1 : 500 @ A1

10 5 0 10 20 40

LENGTHS ARE IN METRES

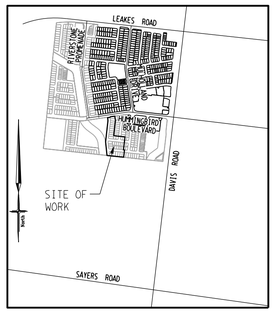
SHEET INDEX

SHT No.	VER	DESCRIPTION
1	C	DETAIL PLAN 1, LOCALITY PLAN & SERVICES OFFSET TABLE
2	A	GENERAL NOTES, SPEED HUMP DETAIL & TYPICAL SECTIONS
3	A	INTERSECTION DETAILS
4	A	LAFLIN AVENUE - LONGITUDINAL SECTION
5	A	LAFLIN AVENUE - CROSS SECTIONS
6	A	NYMAN CIR & CENTINELA ST - LONGITUDINAL SECTIONS
7	A	NYMAN CIR & CENTINELA ST - CROSS SECTIONS
8	A	GUNAWAN DRIVE - LONGITUDINAL AND CROSS SECTIONS
9	A	DRAINAGE LONGITUDINAL SECTIONS No.1
10	C	DRAINAGE LONGITUDINAL SECTIONS No.2 & PIT SCHEDULE
11	A	SIGNAGE & LINEMARKING PLAN



CUT-OFF DRAIN DETAIL

(Dimensions in millimetres)
(N.T.S.)



LOCALITY PLAN

SCALE 1:20,000

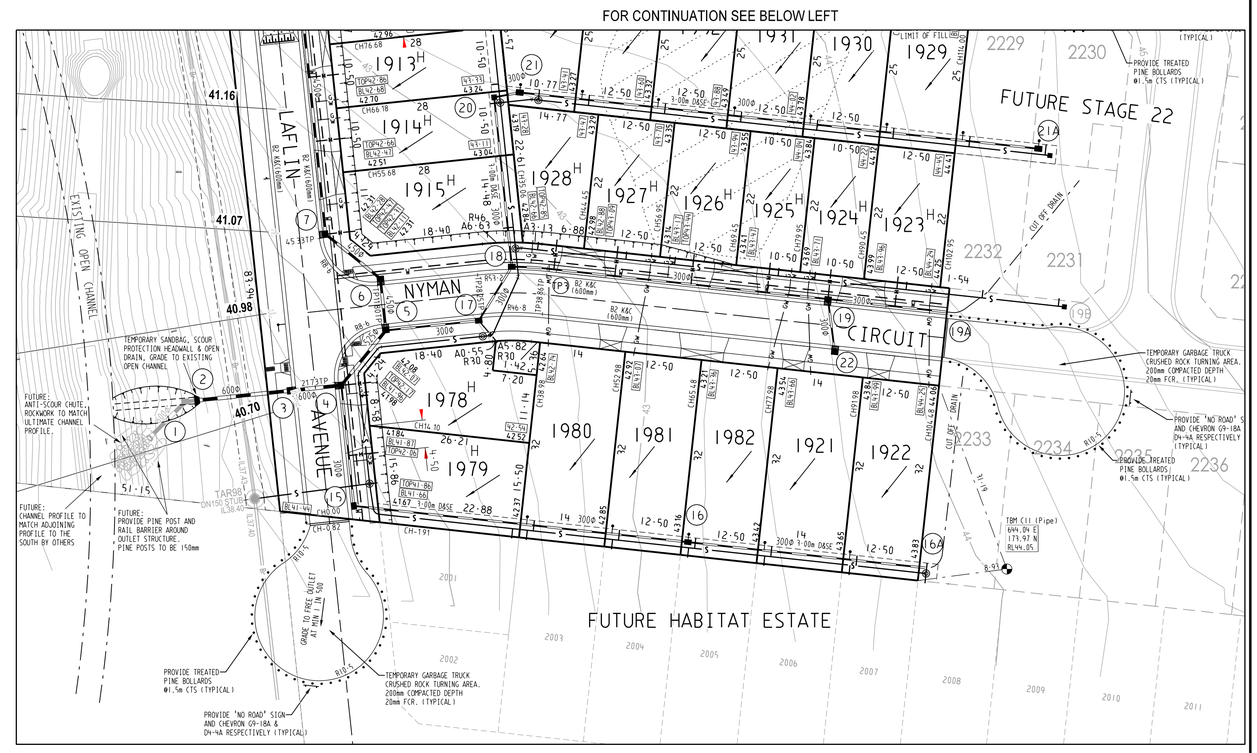
SERVICES OFFSETS AND LOCATIONS

STREET NAME	Rd.RESERVE	WATER		GAS	ELECTRICITY		FIBRE TO THE HOME		Bk. of KERB	JOINT TRENCHING	STREET CLASIFICATION
		DW	NDW		CABLES	POLES	FTTH CABLES	FTTH PITS			
LAFLIN AVENUE	16·00	3·20 E	2·70 E	2·20 E	2·45 W	1·00 BOK	1·85 W	1·78 E/W	4·35 E 4·05 W	G & W, FTTH & E	STREET - LEVEL 1
CENTINELA STREET	16·00	3·20 N	2·70 N	2·20 N	2·60 S	1·00 BOK	1·85 S	1·78 N/S	4·35 N 4·05 S	G & W, FTTH & E	STREET - LEVEL 1
NYMAN CIRCUIT	16·00	3·20 N	2·70 N	2·20 N	2·40 S	1·00 BOK	1·85 S	1·78 N/S	4·35 N 4·05 S	G & W, FTTH & E	STREET - LEVEL 1
NYMAN CIRCUIT (LOT 1978)	16·00	3·20 N	2·70 N	2·20 N	2·20 S	1·00 BOK	1·85 S	1·78 N/S	4·35 N 4·05 S	G & W, FTTH & E	STREET - LEVEL 1
GUNAWAN DRIVE	16·00	3·20 E	2·70 E	2·20 E	2·60 W	1·00 BOK	1·85 W	1·78 E/W	4·35 E 4·05 W	G & W, FTTH & E	STREET - LEVEL 1

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 and or set out checked by the licenced surveyor responsible for certifying the Plan of Subdivision 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.

FOR CONTINUATION SEE BELOW LEFT



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

	Prop	Exist
Drains		
Sewer <300	S	S
Sewer >300	S	S
Water	W	W
House Drain	H	H
Property Inlet		
Street Sign		
PSM		
Retaining Wall		
Conduits 50mm	GW	GW
Conduits 100mm	W100	W100
Ex Gas/Elect/Tel	G E T	

Ex/Natural/FS Level	+28·57 +RS28·57 28·57
FS @ Building Line	BL28·57
Top/Toe of Batter	TOP28·57 TOE28·57
Top Ret. Wall Level	TW28·57
100yr Flood Level	FL28·57
Fill Prop/Ex (> 0.2m depth)	
Cut Prop/Ex (> 0.2m depth)	

VER.	DATE	REMARKS
C	30/04/20	PIT 20 & SHEET 10 AMENDED
B	06/03/20	PIT 21A & SHEET 10 AMENDED
A	21/02/20	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	GL
DRAWN	GL
CHECKED	

RIVERDALE VILLAGE STAGE 19

DETAIL PLAN & SERVICES OFFSET TABLE

SCALE	AS SHOWN	DATUM	AHD
DATE	OCT'18	SHEET	1 OF 11

MUNICIPALITY: WYNDHAM

REFERENCE: 8554 E/19

C

I:\W8554\ENG\STIF\E19_RD1.DET 1.dgn

Plotted: 30/04/2020

GENERAL NOTES

1. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH VICTORIAN PLANNING AUTHORITY (VPA) ENGINEERING DESIGN AND CONSTRUCTION MANUAL FOR SUBDIVISION AND 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 VPA STANDARD DRAWING EDCM 202.

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. REFER TO COUNCIL STD.DWG. SD4-1.

26. THE CONTRACTOR IS TO ARRANGE CCTV OF DRAINAGE AND ACCEPTANCE FROM COUNCIL PRIOR TO INSTALLATION OF THE KERB & CHANNEL AND ASPHALT PLACEMENT.

27. 600 B2 PROFILE KERB AND CHANNEL TO BE CONSTRUCTED IN ALL STREET UNLESS OTHERWISE SHOWN.

28. PSM's TO BE HIGH STABILITY TYPE. REFER TO COUNCIL STANDARD DRAWING SD11-10. MGA CO-ORDINATES AND AHD LEVEL TO BE SUPPLIED TO COUNCIL.

29. - LAFLIN AVENUE PAVEMENT TO CONSIST OF:

    a) 30mm COMPACTED DEPTH 10mm NOMINAL SIZE TYPE 'L' 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 SAMI SEAL.
    d) 130mm COMPACTED DEPTH 20mm NOMINAL SIZE CLASS 2 F.C.R. COMPACTED TO AT LEAST 98% MODIFIED DRY DENSITY RATIO WITH A MEAN VALUE OF AT LEAST 100% MODIFIED DRY DENSITY RATIO & WITHIN 1% OF THE MODIFIED OPTIMUM MOISTURE CONTENT.
    e) 160mm COMPACTED DEPTH 20mm NOMINAL SIZE CLASS 3 FCR COMPACTED TO AT LEAST 95% MODIFIED DRY DENSITY RATIO WITH A MEAN VALUE OF AT LEAST 98% MODIFIED DRY DENSITY RATIO & WITHIN 1% OF THE MODIFED OPTIMUM MOISTURE CONTENT.
    f) 210mm COMPACTED DEPTH 40mm RIPPED ROCK WITH A MINIMUM SOAKED CBR OF 10%, COMPACTED TO AT LEAST 98% STANDARD DRY DENSITY RATIO WITH A MEAN VALUE OF AT LEAST 100% STANDARD DRY DENSITY RATIO & WITHIN 1% OF THE STANDARD OPTIMUM MOISTURE CONTENT & A PERCENTAGE SWELL OF LESS THAN 1.5%

    TOTAL PAVEMENT DEPTH 570mm

    - NYMAN CIRCUIT, CENTINELA STREET & GUNAWAN DRIVE PAVEMENT TO CONSIST OF:

    a) 20mm COMPACTED DEPTH 7mm NOMINAL SIZE TYPE 'L' 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 SAMI SEAL.
    d) 140mm COMPACTED DEPTH 20mm NOMINAL SIZE CLASS 2 F.C.R. COMPACTED TO AT LEAST 98% MODIFIED DRY DENSITY RATIO WITH A MEAN VALUE OF AT LEAST 100% MODIFIED DRY DENSITY RATIO & WITHIN 1% OF THE MODIFIED OPTIMUM MOISTURE CONTENT.
    e) 120mm COMPACTED DEPTH 20mm NOMINAL SIZE CLASS 3 FCR COMPACTED TO AT LEAST 95% MODIFIED DRY DENSITY RATIO WITH A MEAN VALUE OF AT LEAST 98% MODIFIED DRY DENSITY RATIO & WITHIN 1% OF THE MODIFED OPTIMUM MOISTURE CONTENT.
    f) 200mm COMPACTED DEPTH 40mm RIPPED ROCK WITH A MINIMUM SOAKED CBR OF 10%, COMPACTED TO AT LEAST 98% STANDARD DRY DENSITY RATIO WITH A MEAN VALUE OF AT LEAST 100% STANDARD DRY DENSITY RATIO & WITHIN 1% OF THE STANDARD OPTIMUM MOISTURE CONTENT & A PERCENTAGE SWELL OF LESS THAN 1.5%

    TOTAL PAVEMENT DEPTH 520mm

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 VPA STANDARD DRAWING EDCM 401.

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.

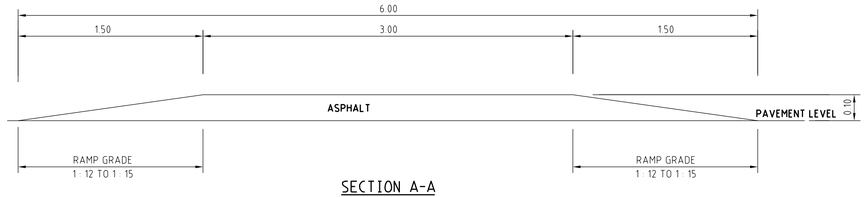
41. GAS AND WATER CONDUITS TO BE 50mm & 100mm DIAMETER RESPECTIVELY.

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

43. 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.

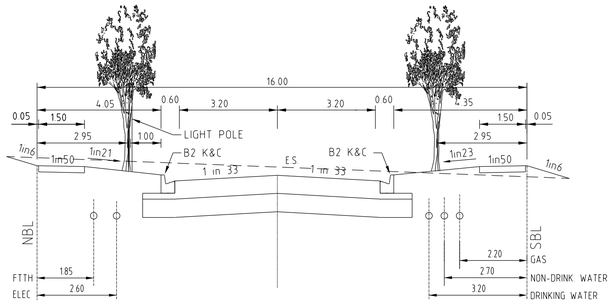
44. PROVIDE 1.8m HIGH PALING FENCE ALONG ANY COMMON BOUNDARY BETWEEN A LOT AND MUNICIPAL RESERVE. PALINGS TO BE ON THE RESERVE SIDE AND CONSTRUCTED IN ACCORDANCE WITH COUNCIL STANDARD DRAWING SD11-5B.

45. FITZROY BOXES TO BE PROVIDED FOR WATER AND GAS TAPPINGS LOCATED UNDER THE BICYCLE PATH FOR LOTS 2004-2006.



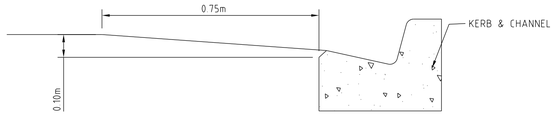
SECTION A-A

TYPICAL SECTION MARKED SHEET 3



LAFLIN AVENUE, CENTINELA STREET, NYMAN CIRCUIT & GUNAWAN DRIVE

TYPICAL CROSS SECTIONS



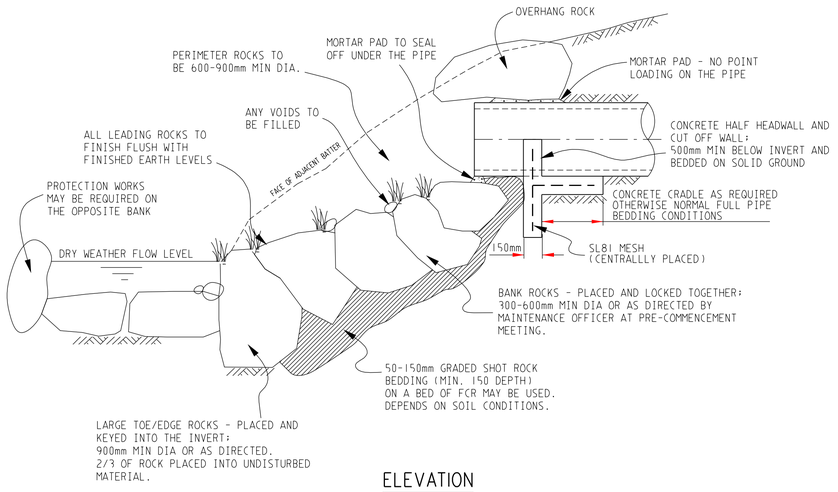
SECTION B-B

TYPICAL SECTION MARKED SHEET 3

SETOUT DETAILS FOR RAISED PAVEMENT

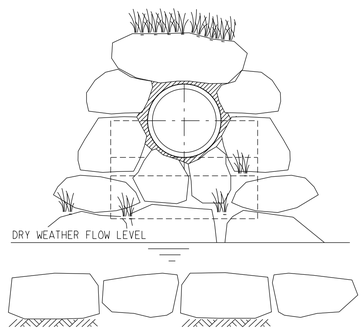
NOT TO SCALE

NOTE: ASPHALT TO BE COMPACTED IN LAYERS NOT MORE THAN 50mm.



ELEVATION

NTS



FRONT VIEW

NTS

PROCEDURE:

PRIOR TO THE COMMENCEMENT OF WORKS, ASSET SERVICES OFFICER TO BE CONTACTED TO DISCUSS ON SITE THE PROPOSED WORKS AND "PERMIT TO WORK". PROVIDE AT LEAST 5 WORKING DAYS NOTICE.

THE CONSTRUCTION WORK ON THE WATERWAY, AND REINSTATEMENT OF THE AFFECTED AREA IS TO BE CARRIED OUT TO THE SATISFACTION OF MELBOURNE WATER'S MAINTENANACE COORDINATOR.

EXCAVATE/BOX OUT TO ENABLE TOE AND PERIMETER ROCKS TO BE PLACED FIRST.

KEY TOE ROCKS TO TWO THIRDS DIAMETER INTO UNDISTURBED MATERIAL.

INFILL THE CHUTE WITH ROCK SPALLS. THE CONTRACTOR SHALL USE METHODS FOR HANDLING AND PLACEMENT OF ROCK THAT WILL AVOID SEGREGATION OF ROCK SIZE FRACTIONS.

ROCK SHALL BE CAREFULLY PLACED INTO POSITION. ROCK SHALL NOT BE DUMPED DIRECTLY. IT IS IMPERATIVE THAT ROCK SPALLS USED TO FORM THE ROCK CHUTE ARE WELL GRADED WITH MINIMAL VOIDS TO PRODUCE A BLANKET OF INTERLOCKING ROCK.

NOTES:

1.5m/SEC MAX. OUTLET VELOCITY.

OUTLET PIPE TO BE SET BACK INTO THE FINISHED BATTER SLOPE, POINTING A MAX. OF 45 DEGREES DOWNSTREAM.

SEDGES AND GRASSES MUST BE PLACED IN BETWEEN VOIDS WITHIN ROCK CHUTE AT 3-4 PLANTS PER m2 TO PROVIDE ADDITIONAL SCREENING. SHRUBS & SMALL TREES MUST ALSO BE PLACED AROUND THE POST BARRIER TO SCREEN FLOWS AND STABILISE THE GROUND WHERE NEEDED.

ROCKS ABUTTING THE PIPE TO HAVE A MORTAR PAD BETWEEN THE ROCK AND THE OUTSIDE EDGE OF THE PIPE (NO POINT LOADING).

ROCKWORK PROTECTION REQUIRED FOR THE BED AND BANKS, FROM THE END OF PIPE TO THE LOW FLOW WATER LEVEL. ROCK PROTECTION REQUIRED FOR THE FULL EROSION PROJECTION OF THE OPPOSITE BANK AND BED AS REQUIRED FOR THE WATER FLOW PROFILE WHEN THE OUTLET IS FLOWING FULL.

ROCKS WITHIN THE BASE TO BE PLACED ON A FCR BEDDING TO ENSURE THE STORMWATER DISCHARGE IS FLOWING OVER AND AROUND THE ROCKS DOWN INTO THE CREEK, AND NOT UNDERNEATH. THE REMAINING EXPOSED DIMENSION OF THE ROCKWORK IS TO BE A MINIMUM OF 150mm.

DISTURBED AREAS OF EXISTING BANK RESULTING FROM THESE WORKS ARE TO BE STABILISED WITH REVEGETATION.

THE OUTLET MUST BE INTEGRATED INTO THE BANK AND SURROUNDING LANDSCAPE TO MAXIMISE AESTHETICS AND MINIMISE IMPACTS.

TOE AND SIDE ROCKS ARE TO BE ADEQUATELY KEYED INTO THE BED OF THE CREEK.

ALL VOIDS SHALL BE FILLED WITH SMALLER ROCKS.

APPROPRIATE SILT/DEBRIS CONTROL MEASURES MUST BE INSTALLED.

PINE POST (150mm DIA) AND RAIL BARRIER TO BE INSTALLED AROUND OUTLET STRUCTURE. RAILS MUST BE PERMANENTLY FIXED TO POSTS WITH NO ROTATIONAL MOVEMENT.

FUTURE - MW CREEK OUTLET DETAIL AT PIT 1

AMENDMENTS			
VER.	DATE	REMARKS	
A	21/02/20	ISSUED FOR CONSTRUCTION	

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	GL
DRAWN	GL
CHECKED	

RIVERDALE VILLAGE STAGE 19

GENERAL NOTES & TYPICAL SECTIONS

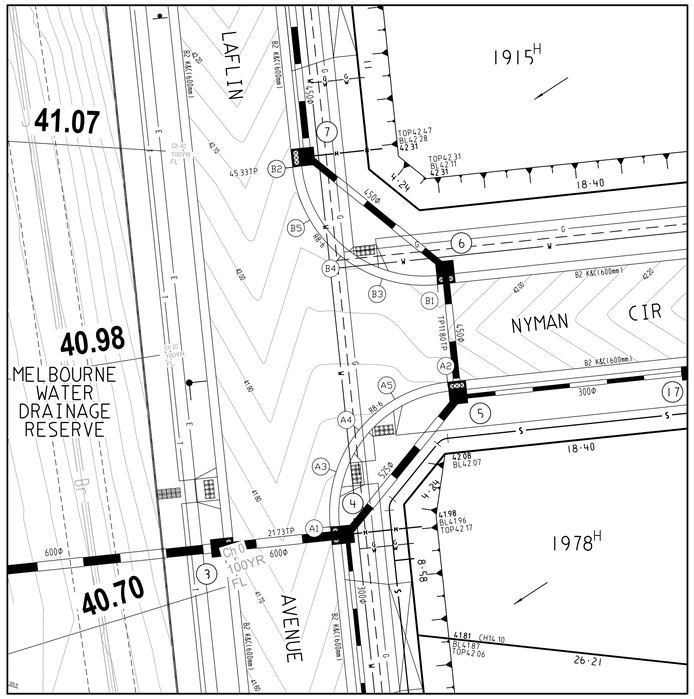
MUNICIPALITY: WYNDHAM

REFERENCE: 8554 E/19

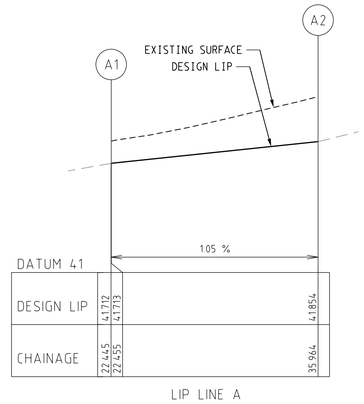
SCALE: AS SHOWN | DATUM: AHD | DATE: OCT'18 | SHEET 2 OF 11 | A

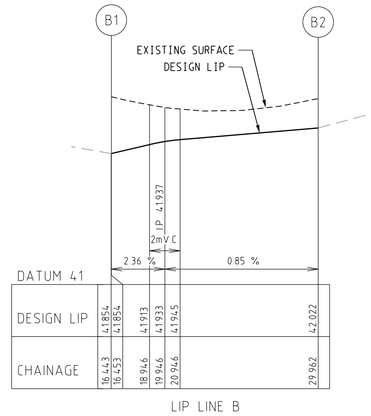
I:\8855\ENG\STA\RE19_R02_NOTE.dgn

Plotted:21/02/2020



LAFLIN AVE/NYMAN CIR INTERSECTION DETAIL
SCALE 1:200





LIP OF KERB PROFILES

SCALE: HORIZONTAL 1:200
VERTICAL 1:40

Alignment A

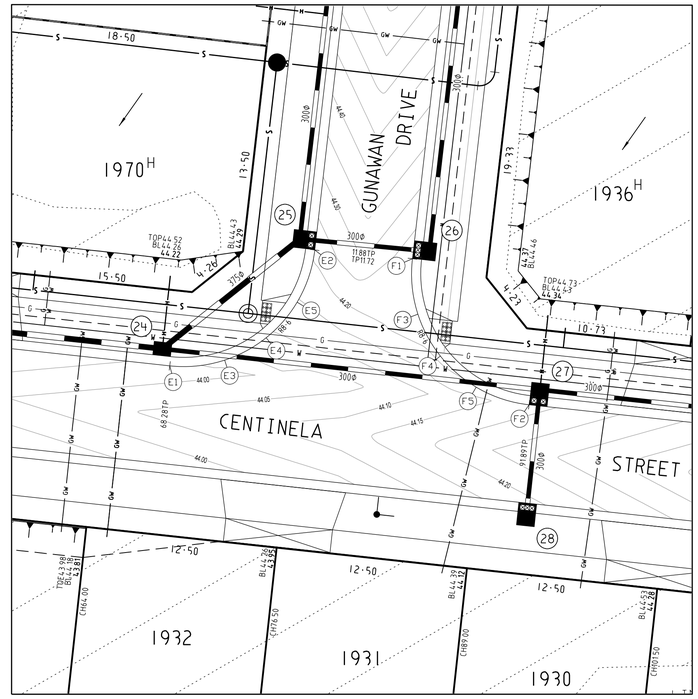
	Point no	Easting	Northing	RL
A	1	534·290	204·441	41·713
A	2	541·949	213·889	41·854
A	3	534·680	208·039	41·751
A	4	536·163	210·751	41·783
A	5	538·509	212·763	41·816

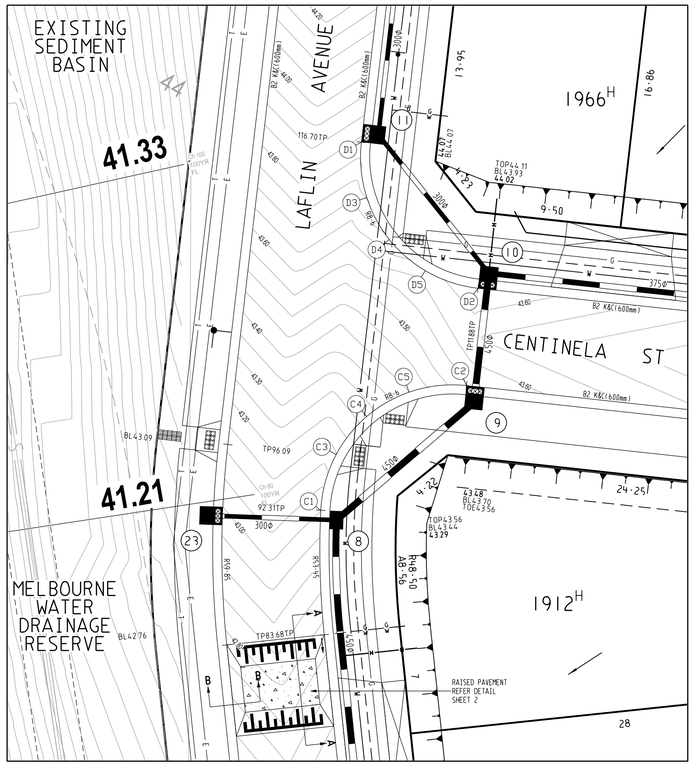
	Curve no	Radius	Chord	Mid Ord	Qtr Ord	Mid Ord RL
A	1 2	8·600	12·162	2·519	1·963	41·783

Alignment B

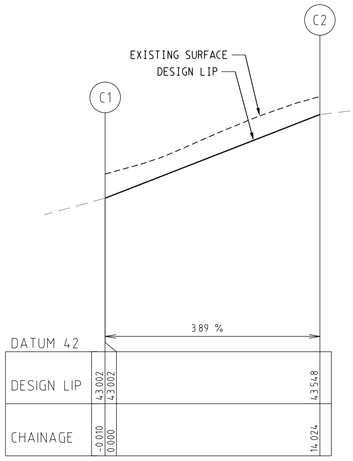
	Point no	Easting	Northing	RL
B	1	541·283	220·254	41·854
B	2	531·835	227·913	42·022
B	3	537·685	220·644	41·936
B	4	534·973	222·127	41·965
B	5	532·961	224·473	41·991

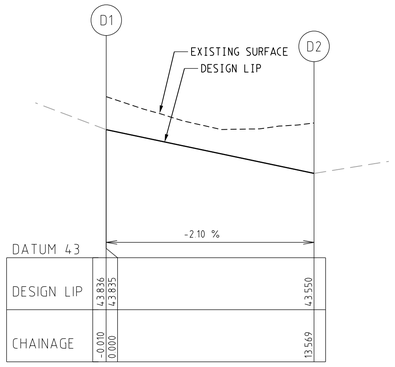
	Curve no	Radius	Chord	Mid Ord	Qtr Ord	Mid Ord RL
B	1 2	8·600	12·162	2·519	1·963	41·965





LAFLIN AVE/CENTINELA ST INTERSECTION DETAIL
SCALE 1:200





LIP OF KERB PROFILES

SCALE: HORIZONTAL 1:200
VERTICAL 1:40

Alignment C

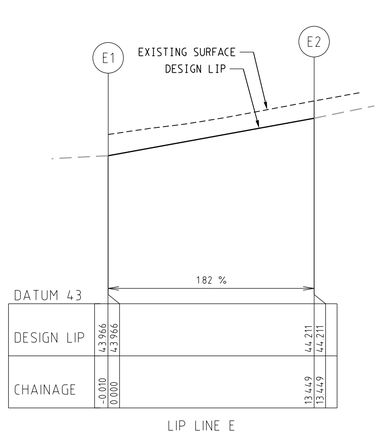
	Point no	Easting	Northing	RL
C	1	527·617	274·180	43·002
C	2	537·133	282·317	43·548
C	3	528·622	277·821	43·150
C	4	530·618	280·903	43·275
C	5	533·380	281·889	43·400

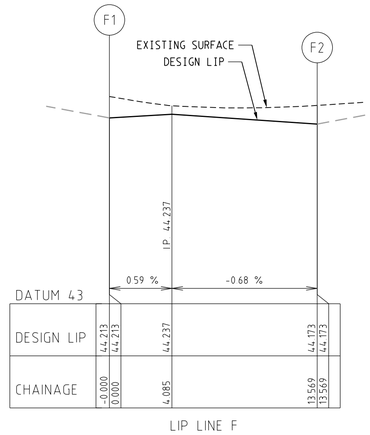
	Curve no	Radius	Chord	Mid Ord	Qtr Ord	Mid Ord RL
C	1 2	8·600	12·521	2·704	2·114	43·275

Alignment D

	Point no	Easting	Northing	RL
D	1	530·269	298·209	43·835
D	2	537·886	288·673	43·550
D	3	530·626	294·589	43·758
D	4	532·093	291·856	43·693
D	5	534·435	289·821	43·627

	Curve no	Radius	Chord	Mid Ord	Qtr Ord	Mid Ord RL
D	1 2	-8·600	12·205	2·540	1·981	43·693





LIP OF KERB PROFILES

SCALE: HORIZONTAL 1:200
VERTICAL 1:40

Alignment E

	Point no	Easting	Northing	RL
E	1	593·960	282·601	43·966
E	2	603·429	290·165	44·211
E	3	597·542	282·971	44·033
E	4	600·254	284·432	44·089
E	5	602·277	286·754	44·145

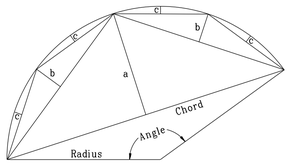
	Curve no	Radius	Chord	Mid Ord	Qtr Ord	Mid Ord RL
E	1 0	-8·600	12·120	2·498	1·946	44·089

Alignment F

	Point no	Easting	Northing	RL
F	1	609·806	289·596	44·213
F	2	617·423	280·060	44·173
F	3	610·163	285·975	44·235
F	4	611·630	283·242	44·219
F	5	613·972	281·208	44·198

	Curve no	Radius	Chord	Mid Ord	Qtr Ord	Mid Ord RL
F	1 2	-8·600	12·205	2·540	1·981	44·219

ALL SETOUT DETAILS ARE PROVIDED AT LIP OF KERB



CURVE SETOUT DIAGRAM

SCALE 1 : 200
4 2 0 4 8 16
LENGTHS ARE IN METRES

VER.	DATE	REMARKS
A	21/02/20	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	GL
DRAWN	GL
CHECKED	

RIVERDALE VILLAGE
STAGE 19

INTERSECTION DETAILS

MUNICIPALITY: WYNDHAM
REFERENCE: 8554 E/19

SCALE AS SHOWN | DATUM AHD | DATE OCT'18 | SHEET 3 OF 11 | A

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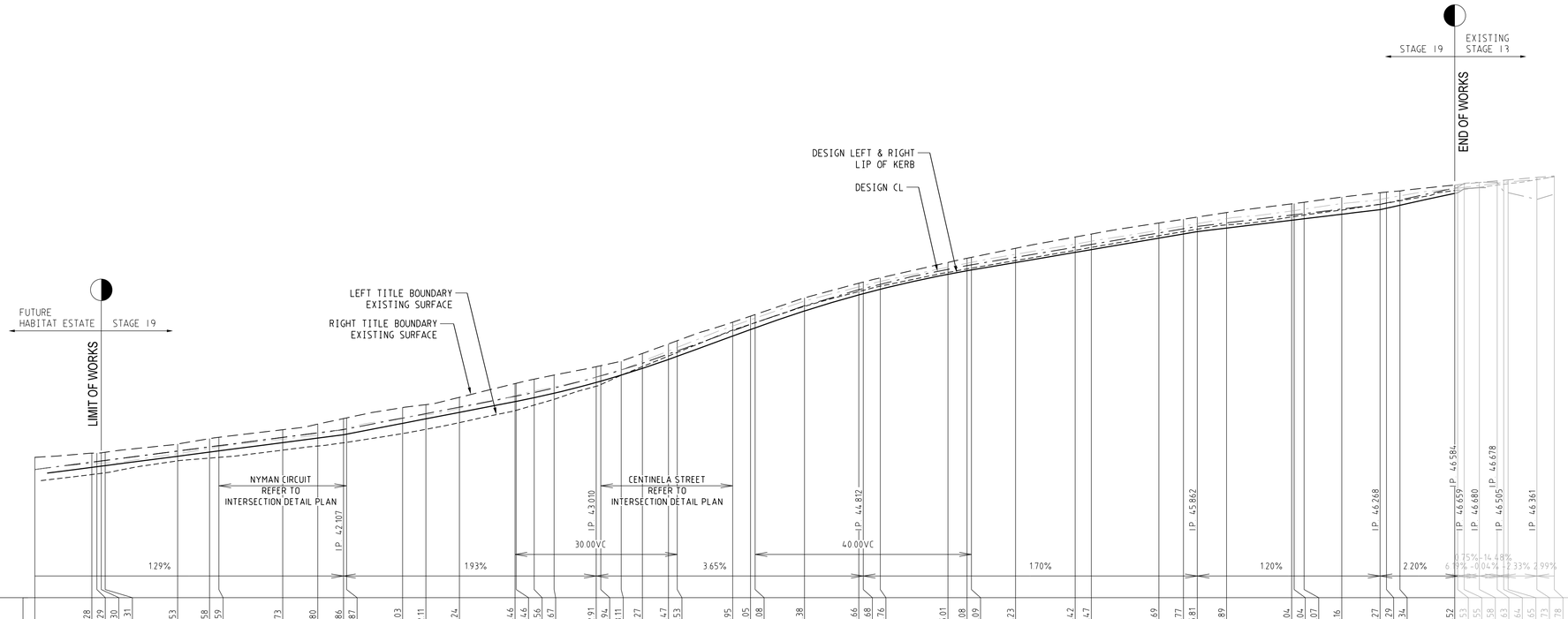
Plotted:21/02/2020



CHAINAGE CENTRE LINE	ES LEFT TITLE BDY	FS LEFT TITLE BDY	LEFT LIP OF KERB	DESIGN CL	RIGHT LIP OF KERB	FS RIGHT TITLE BDY	ES RIGHT TITLE BDY
-12.29				4.137			4.160
-1.75	4.128	4.139	4.141	4.150	4.141	4.166	4.167
-0.82	4.129	4.140	4.142	4.152	4.142	4.167	4.167
0.00	4.130	4.141	4.143	4.153	4.143	4.168	4.168
0.72	4.131	4.142	4.144	4.154	4.144	4.169	4.169
14.10	4.153	4.159	4.161	4.171	4.161	4.187	4.184
20.00 RTP	4.158	4.167	4.169	4.179	4.169	4.194	4.194
21.73	4.159	4.169	4.171	4.181	4.171		4.196
33.53	4.173	4.184	4.187	4.196	4.187		4.210
40.00	4.180	4.193	4.195	4.205	4.195		4.221
44.77 RTP	4.186	4.199	4.201	4.211	4.201	4.227	4.231
45.33	4.187	4.200	4.202	4.212	4.202	4.227	4.232
55.68	4.203	4.220	4.222	4.232	4.222	4.247	4.251
60.00	4.211	4.228	4.231	4.240	4.231	4.256	4.257
66.18	4.224	4.240	4.243	4.252	4.243	4.268	4.270
76.46	4.246	4.260	4.262	4.272	4.262	4.288	4.296
76.68	4.246	4.261	4.263	4.272	4.263	4.288	4.296
80.00	4.256	4.267	4.270	4.279	4.270	4.295	4.304
83.68 TP	4.267	4.276	4.278	4.287	4.278	4.303	4.311
91.46	4.291	4.296	4.298	4.307	4.298	4.333	4.327
92.31 RTP	4.294	4.298	4.300	4.310	4.300		4.329
96.09 LTP	4.311	4.309	4.311	4.321	4.311		4.337
100.00	4.327	4.322	4.324	4.333	4.324		4.351
104.82	4.347	4.338	4.340	4.350	4.340		4.369
106.45	4.353	4.344	4.346	4.356	4.346		4.375
116.70 RTP	4.395	4.381	4.384	4.393	4.384	4.409	4.409
120.00	4.405	4.393	4.396	4.405	4.396	4.421	4.420
120.83	4.408	4.397	4.399	4.408	4.399	4.424	4.423
129.97	4.438	4.428	4.430	4.440	4.430	4.455	4.454
140.00	4.466	4.458	4.460	4.469	4.460	4.485	4.481
140.82	4.468	4.460	4.462	4.471	4.462	4.487	4.483
143.97	4.476	4.468	4.470	4.480	4.470	4.495	4.491
156.47	4.501	4.496	4.498	4.507	4.498	4.523	4.520
160.00	4.508	4.502	4.504	4.514	4.504	4.529	4.527
160.82	4.509	4.503	4.506	4.515	4.506	4.531	4.529
168.97	4.523	4.517	4.519	4.529	4.519	4.545	4.546
180.00	4.542	4.536	4.538	4.548	4.538	4.564	4.567
182.97	4.547	4.541	4.543	4.553	4.543	4.569	4.572
195.47	4.569	4.562	4.565	4.574	4.565	4.590	4.593
200.00	4.577	4.570	4.572	4.582	4.572	4.598	4.600
202.55	4.581	4.574	4.577	4.586	4.577	4.602	4.603
207.97	4.589	4.581	4.583	4.593	4.583	4.608	4.612
220.00 TP	4.604	4.595	4.598	4.607	4.598	4.623	4.628
220.47	4.604	4.596	4.598	4.608	4.598	4.623	4.628
222.30	4.607	4.598	4.600	4.610	4.600	4.626	4.631
229.26	4.616	4.607	4.609	4.618	4.609	4.634	4.640
236.34	4.627	4.615	4.617	4.627	4.617	4.643	4.649
237.53 TP	4.629	4.618	4.620	4.629	4.620	4.645	4.650
240.00	4.634	4.623	4.625	4.635	4.625	4.651	4.652
250.13	4.652	4.666	4.647	4.657	4.647		4.663
250.68	4.653	4.648	4.648	4.658	4.648		4.663
251.88	4.655	4.656	4.656	4.666	4.656		4.665
254.68	4.658	4.658	4.658	4.668	4.658		4.667
257.98	4.663			4.668			4.670
259.18	4.664			4.650			4.671
260.00	4.665			4.649			4.672
265.33	4.673			4.636			4.677
268.53	4.678			4.646			4.679

LAFLIN AVENUE

LONGITUDINAL SECTION

SCALE HORIZONTAL 1:500
VERTICAL 1:50

1:500 10 5 00 10 20 40
1:50 1 0.5 00 1 2 4

VER	DATE	REMARKS
A	21/02/20	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 GL
DRAWN GL
CHECKED

RIVERDALE VILLAGE
STAGE 19

LAFLIN AVENUE LONGITUDINAL SECTION

MUNICIPALITY: WYNDHAM
REFERENCE: 8554 E/19

SCALE AS SHOWN | DATUM AHD | DATE OCT'18 | SHEET 4 OF 11 | A

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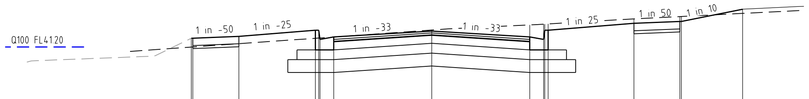
Plot Date: 21/02/2020



DATUM RL41.0

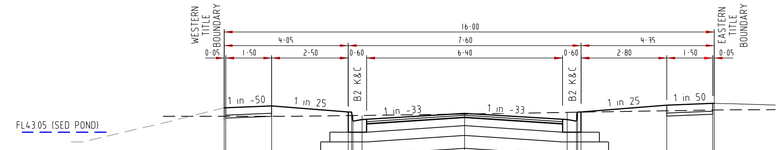
DESIGN SURFACE	42.61	42.61	42.64	42.74	42.74	42.59	42.63	42.72	42.63	42.59	42.74	42.74	42.85	42.88	42.88	43.08
EXISTING SURFACE	42.46	42.46	42.52	42.61	42.61	42.61	42.63	42.74	42.82	42.84	42.84	42.84	42.92	42.96	42.96	43.01
OFFSET	-7.85	-7.80	-6.30	-3.80	-3.69	-3.65	-3.20	0.00	3.20	3.65	3.69	3.80	6.60	8.10	8.15	10.15

Ch.76.68

DATUM RL44.0

DESIGN SURFACE	45.17	45.17	45.20	45.30	45.30	45.15	45.19	45.29	45.19	45.15	45.30	45.30	45.42	45.45	45.45
EXISTING SURFACE	45.23	45.23	45.25	45.29	45.29	45.29	45.30	45.35	45.39	45.40	45.40	45.40	45.44	45.46	45.46
OFFSET	-7.85	-7.80	-6.30	-3.80	-3.69	-3.65	-3.20	0.00	3.20	3.65	3.69	3.80	6.60	8.10	8.15

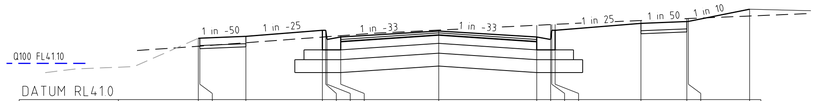
Ch.168.97



DATUM RL45.0

DESIGN SURFACE	46.66	46.66	46.69	46.60	46.60	46.45	46.47	46.57	46.47	46.45	46.60	46.60	46.71	46.74	46.74
EXISTING SURFACE	46.52	46.52	46.52	46.54	46.54	46.54	46.54	46.56	46.59	46.59	46.59	46.59	46.61	46.63	46.63
OFFSET	-7.85	-7.80	-6.30	-3.80	-3.69	-3.65	-3.35	0.00	3.35	3.65	3.69	3.80	6.60	8.10	8.15

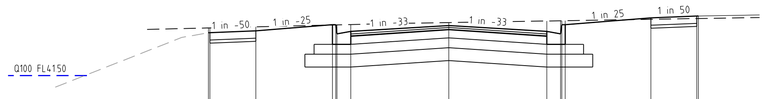
Ch.250.13



DATUM RL41.0

DESIGN SURFACE	42.00	42.00	42.03	42.13	42.13	41.98	42.02	42.12	42.02	41.98	42.13	42.13	42.24	42.27	42.27	42.47
EXISTING SURFACE	41.87	41.87	41.93	42.02	42.02	42.03	42.04	42.13	42.21	42.22	42.23	42.23	42.29	42.32	42.32	42.36
OFFSET	-7.85	-7.80	-6.30	-3.80	-3.69	-3.65	-3.20	0.00	3.20	3.65	3.69	3.80	6.60	8.10	8.15	10.15

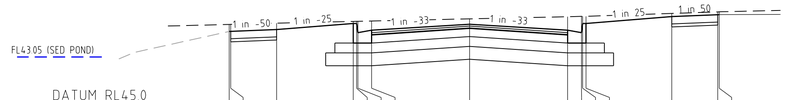
RTP Ch.45.33



DATUM RL43.0

DESIGN SURFACE	44.68	44.68	44.71	44.81	44.81	44.66	44.70	44.80	44.70	44.66	44.81	44.81	44.92	44.95	44.95
EXISTING SURFACE	44.76	44.76	44.78	44.81	44.81	44.81	44.81	44.84	44.87	44.87	44.87	44.88	44.90	44.91	44.91
OFFSET	-7.85	-7.80	-6.30	-3.80	-3.69	-3.65	-3.20	0.00	3.20	3.65	3.69	3.80	6.60	8.10	8.15

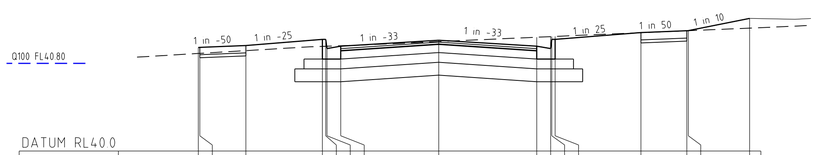
Ch.143.97



DATUM RL45.0

DESIGN SURFACE	46.18	46.18	46.21	46.31	46.31	46.16	46.20	46.29	46.20	46.16	46.31	46.31	46.42	46.45	46.45
EXISTING SURFACE	46.29	46.29	46.31	46.34	46.34	46.34	46.35	46.38	46.42	46.42	46.42	46.42	46.47	46.50	46.50
OFFSET	-7.85	-7.80	-6.30	-3.80	-3.69	-3.65	-3.20	0.00	3.20	3.65	3.69	3.80	6.60	8.10	8.15

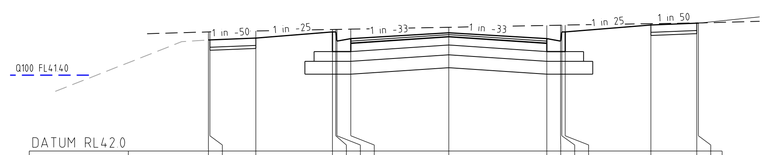
Ch.237.53



DATUM RL40.0

DESIGN SURFACE	41.69	41.69	41.72	41.82	41.82	41.67	41.71	41.81	41.71	41.67	41.82	41.82	41.93	41.96	41.97	42.17
EXISTING SURFACE	41.59	41.59	41.64	41.71	41.71	41.71	41.72	41.79	41.86	41.87	41.87	41.87	41.93	41.96	41.96	42.01
OFFSET	-7.85	-7.80	-6.30	-3.80	-3.69	-3.65	-3.20	0.00	3.20	3.65	3.69	3.80	6.60	8.10	8.15	10.15

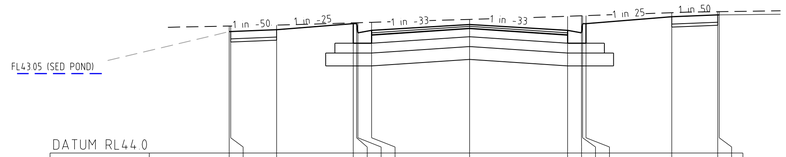
RTP 21.73



DATUM RL42.0

DESIGN SURFACE	43.81	43.82	43.85	43.95	43.95	43.80	43.84	43.93	43.84	43.80	43.95	43.95	44.06	44.09	44.09
EXISTING SURFACE	43.95	43.95	43.96	43.98	43.99	43.99	43.99	44.02	44.05	44.06	44.06	44.06	44.08	44.09	44.09
OFFSET	-7.85	-7.80	-6.30	-3.80	-3.69	-3.65	-3.20	0.00	3.20	3.65	3.69	3.80	6.60	8.10	8.15

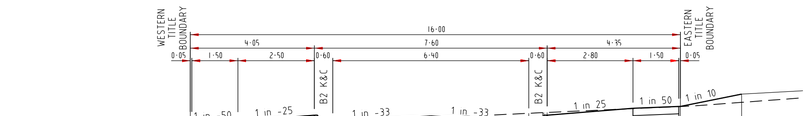
RTP Ch.116.70



DATUM RL44.0

DESIGN SURFACE	45.98	45.98	46.01	46.11	46.11	45.96	46.00	46.10	46.00	45.96	46.11	46.11	46.23	46.26	46.26
EXISTING SURFACE	46.07	46.07	46.09	46.13	46.13	46.13	46.13	46.18	46.23	46.24	46.24	46.24	46.29	46.31	46.31
OFFSET	-7.85	-7.80	-6.30	-3.80	-3.69	-3.65	-3.20	0.00	3.20	3.65	3.69	3.80	6.60	8.10	8.15

Ch.222.30



DATUM RL40.0

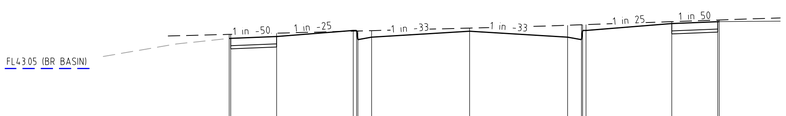
DESIGN SURFACE	41.40	41.40	41.43	41.53	41.53	41.38	41.42	41.52	41.42	41.38	41.53	41.53	41.64	41.67	41.67	41.87
EXISTING SURFACE	41.29	41.29	41.33	41.39	41.40	41.40	41.41	41.48	41.56	41.57	41.57	41.58	41.64	41.67	41.67	41.74
OFFSET	-7.85	-7.80	-6.30	-3.80	-3.69	-3.65	-3.20	0.00	3.20	3.65	3.69	3.80	6.60	8.10	8.15	10.15

-0.82

DATUM RL41.0

DESIGN SURFACE	42.98	42.98	43.01	43.11	43.11	42.96	43.00	43.10	43.00	42.96	43.11	43.11	43.34	43.37	43.37	43.57
EXISTING SURFACE	42.94	42.94	42.96	43.01	43.02	43.02	43.03	43.09	43.16	43.17	43.17	43.17	43.25	43.28	43.29	43.34
OFFSET	-7.85	-7.80	-6.30	-3.80	-3.69	-3.65	-3.20	0.00	3.20	3.65	3.69	3.80	6.60	8.10	8.15	10.15

RTP Ch.92.31



DATUM RL44.0

DESIGN SURFACE	45.62	45.63	45.66	45.76	45.76	45.61	45.65	45.74	45.65	45.61	45.76	45.76	45.87	45.90	45.90
EXISTING SURFACE	45.69	45.69	45.71	45.74	45.74	45.75	45.75	45.79	45.84	45.85	45.85	45.85	45.90	45.92	45.93
OFFSET	-7.85	-7.80	-6.30	-3.80	-3.69	-3.65	-3.20	0.00	3.20	3.65	3.69	3.80	6.60	8.10	8.15

Ch.195.47

SELECT GRANULAR MATERIAL
COMPACTED AS PER NOTE 35, SHEET 2

LAFLIN AVENUE

CROSS SECTIONS

SCALE HORIZONTAL 1:100
VERTICAL 1:50

1:100 2 1 00 2 4 8
1:50 1 0.5 00 1 2 4

VER.	DATE	REMARKS
A	21/02/20	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	GL
DRAWN	GL
CHECKED	

RIVERDALE VILLAGE
STAGE 19

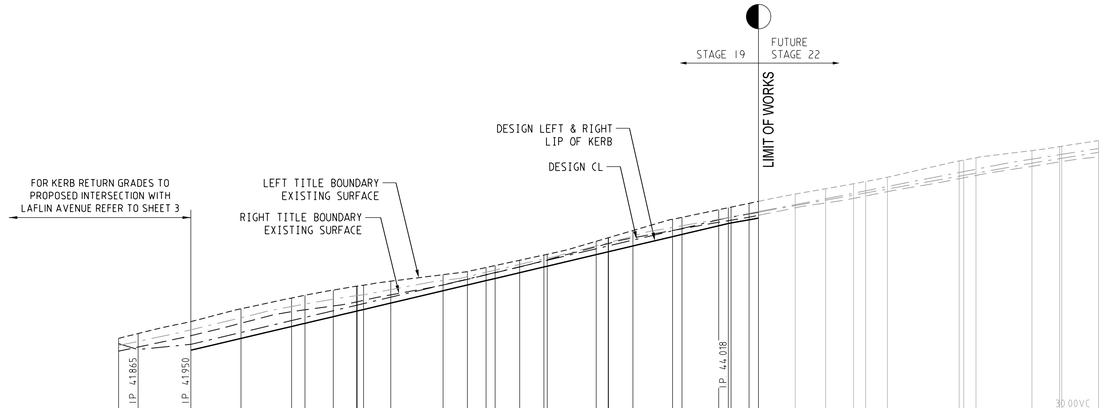
LAFLIN AVENUE - CROSS SECTIONS

MUNICIPALITY: WYNDHAM
REFERENCE: 8554 E/19

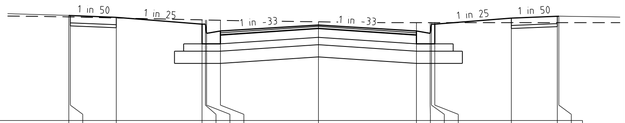
SCALE AS SHOWN | DATUM AHD | DATE OCT'18 | SHEET 5 OF 11 | A

Plotted:21/02/2020

I:\W8554\ENG\ST19\E19_R05_LA X5.dgn

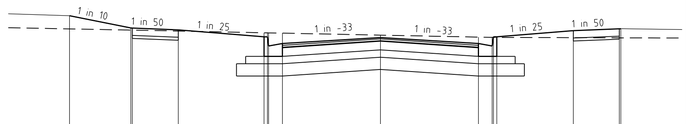

STAGE 19
FUTURE STAGE 22
LIMIT OF WORKS
DESIGN LEFT & RIGHT LIP OF KERB
DESIGN CL
LEFT TITLE BOUNDARY EXISTING SURFACE
RIGHT TITLE BOUNDARY EXISTING SURFACE
FOR KERB RETURN GRADES TO PROPOSED INTERSECTION WITH LAFLIN AVENUE REFER TO SHEET 3
IP 41865
IP 41950
IP 44018
30.00VC
VC LENGTH
DESIGN GRADELINE
-2.99%
0.98%
2.36%
1.79%
DATUM 40

| | | |



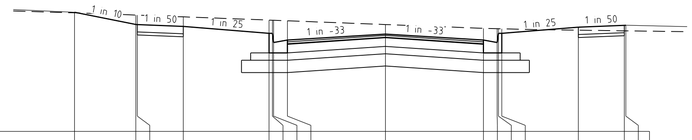
DATUM RL42.0												
DESIGN SURFACE	43.71	43.71	43.68	43.57	43.57	43.42	43.46	43.56	43.46	43.42	43.57	43.57	43.67	43.70	43.70
EXISTING SURFACE	43.69	43.69	43.67	43.64	43.64	43.64	43.64	43.61	43.60	43.60	43.60	43.60	43.60	43.60	43.60
OFFSET	-8.15	-8.10	-6.60	-3.80	-3.69	-3.65	-3.20	0.00	3.20	3.65	3.69	3.80	6.30	7.80	7.85

Ch.79.95



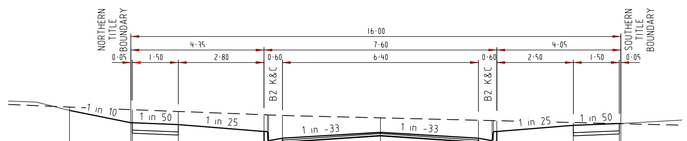
DATUM RL41.0												
DESIGN SURFACE	43.37	43.17	43.17	43.14	43.03	43.03	42.88	42.92	43.01	42.92	42.88	43.03	43.03	43.13	43.16	43.16
EXISTING SURFACE	43.16	43.14	43.14	43.12	43.09	43.09	43.09	43.09	43.05	43.02	43.02	43.02	43.02	43.01	43.01	43.01
OFFSET	-10.15	-8.15	-8.10	-6.60	-3.80	-3.69	-3.65	-3.20	0.00	3.20	3.65	3.69	3.80	6.30	7.80	7.85

Ch56.95



DATUM RL41.0												
DESIGN SURFACE	42.94	42.74	42.74	42.71	42.60	42.60	42.45	42.49	42.59	42.49	42.45	42.60	42.60	42.70	42.73	42.73
EXISTING SURFACE	42.94	42.90	42.90	42.87	42.82	42.81	42.81	42.81	42.74	42.68	42.68	42.68	42.68	42.65	42.64	42.64
OFFSET	-10.15	-8.15	-8.10	-6.60	-3.80	-3.69	-3.65	-3.20	0.00	3.20	3.65	3.69	3.80	6.30	7.80	7.85

TP Ch.38.86



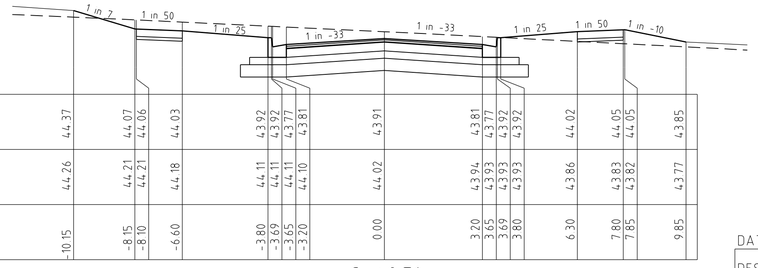
DATUM RL41.0												
DESIGN SURFACE	42.31	42.11	42.11	42.08	41.96	41.96	41.81	41.85	41.95	41.85	41.81	41.96	41.96	42.06	42.09	42.09
EXISTING SURFACE	42.36	42.32	42.32	42.29	42.24	42.24	42.23	42.23	42.19	42.15	42.14	42.14	42.14	42.11	42.09	42.09
OFFSET	-10.15	-8.15	-8.10	-6.60	-3.80	-3.69	-3.65	-3.20	0.00	3.20	3.65	3.69	3.80	6.30	7.80	7.85

TP Ch.11.80

NYMAN CIRCUIT

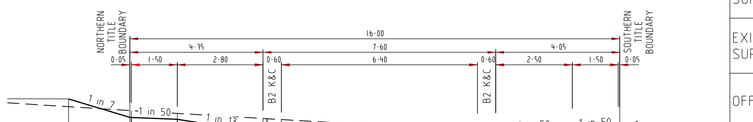
CROSS SECTIONS

SCALE HORIZONTAL 1:100
VERTICAL 1:50



DATUM RL43.0												
DESIGN SURFACE	44.37	44.07	44.06	44.03	43.92	43.92	43.77	43.81	43.91	43.81	43.77	43.92	43.92	44.02	44.05	44.05	43.85
EXISTING SURFACE	44.26	44.21	44.21	44.18	44.11	44.11	44.11	44.10	44.02	43.94	43.93	43.93	43.93	43.86	43.83	43.82	43.77
OFFSET	-10.15	-8.15	-8.10	-6.60	-3.80	-3.69	-3.65	-3.20	0.00	3.20	3.65	3.69	3.80	6.30	7.80	7.85	9.85

Ch.42.71



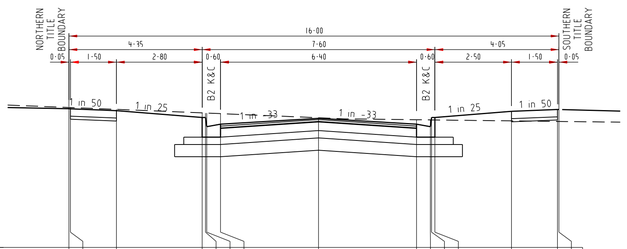
DATUM RL42.0												
DESIGN SURFACE	44.21	43.91	43.91	43.88	43.66	43.66	43.51	43.55	43.65	43.55	43.51	43.66	43.66	43.71	43.74	43.74	43.54
EXISTING SURFACE	44.09	44.03	44.02	43.98	43.90	43.89	43.89	43.88	43.78	43.67	43.65	43.65	43.65	43.55	43.50	43.50	43.43
OFFSET	-10.15	-8.15	-8.10	-6.60	-3.80	-3.69	-3.65	-3.20	0.00	3.20	3.65	3.69	3.80	6.30	7.80	7.85	9.85

TP Ch.11.88

CENTINELA STREET

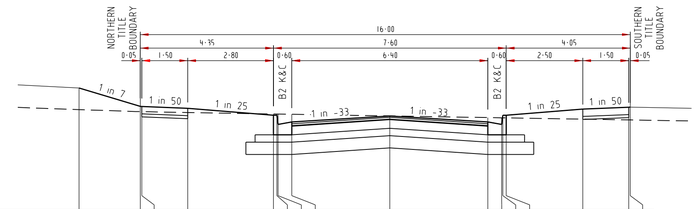
CROSS SECTIONS

SCALE HORIZONTAL 1:100
VERTICAL 1:50



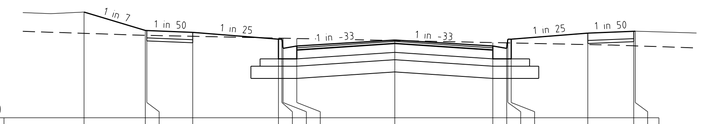
DATUM RL42.0												
DESIGN SURFACE	44.26	44.26	44.23	44.12	44.12	43.97	44.01	44.11	44.01	43.97	44.12	44.12	44.22	44.25	44.25
EXISTING SURFACE	44.28	44.28	44.25	44.20	44.19	44.19	44.18	44.12	44.08	44.08	44.08	44.08	44.07	44.06	44.06
OFFSET	-8.15	-8.10	-6.60	-3.80	-3.69	-3.65	-3.20	0.00	3.20	3.65	3.69	3.80	6.30	7.80	7.85

Ch.104.48



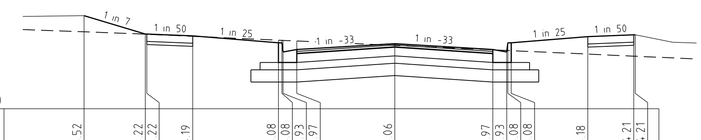
DATUM RL43.0												
DESIGN SURFACE	45.01	44.72	44.72	44.69	44.58	44.58	44.43	44.47	44.56	44.47	44.43	44.58	44.58	44.68	44.71	44.71
EXISTING SURFACE	44.65	44.62	44.62	44.61	44.58	44.58	44.58	44.58	44.55	44.52	44.52	44.52	44.52	44.50	44.49	44.49
OFFSET	-10.15	-8.15	-8.10	-6.60	-3.80	-3.69	-3.65	-3.20	0.00	3.20	3.65	3.69	3.80	6.30	7.80	7.85

Ch.114.44



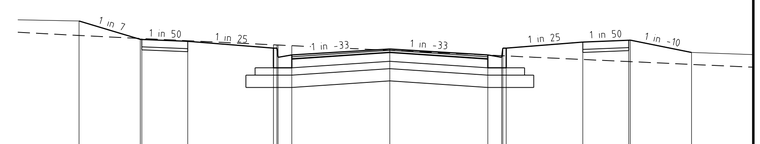
DATUM RL43.0												
DESIGN SURFACE	44.73	44.43	44.42	44.39	44.28	44.28	44.13	44.17	44.27	44.17	44.13	44.28	44.28	44.38	44.41	44.41
EXISTING SURFACE	44.38	44.35	44.35	44.33	44.30	44.30	44.30	44.29	44.26	44.23	44.22	44.22	44.22	44.20	44.18	44.17
OFFSET	-10.15	-8.15	-8.10	-6.60	-3.80	-3.69	-3.65	-3.20	0.00	3.20	3.65	3.69	3.80	6.30	7.80	7.85

LTP Ch.91.89



DATUM RL43.0												
DESIGN SURFACE	44.52	44.22	44.22	44.19	44.08	44.08	43.93	43.97	44.06	43.97	43.93	44.08	44.08	44.18	44.21	44.21
EXISTING SURFACE	44.26	44.22	44.22	44.18	44.12	44.12	44.12	44.11	44.03	43.96	43.95	43.95	43.95	43.89	43.86	43.86
OFFSET	-10.15	-8.15	-8.10	-6.60	-3.80	-3.69	-3.65	-3.20	0.00	3.20	3.65	3.69	3.80	6.30	7.80	7.85

LTP Ch.68.28



DATUM RL42.0												
DESIGN SURFACE	44.47	44.17	44.17	44.14	44.03	44.03	43.88	43.92	44.01	43.92	43.88	44.03	44.03	44.13	44.16	44.16	43.96
EXISTING SURFACE	44.23	44.19	44.18	44.15	44.08	44.08	44.08	44.07	43.99	43.91	43.90	43.90	43.90	43.84	43.81	43.81	43.76
OFFSET	-10.15	-8.15	-8.10	-6.60	-3.80	-3.69	-3.65	-3.20	0.00	3.20	3.65	3.69	3.80	6.30	7.80	7.85	9.85

Ch.60.00

SELECT GRANULAR MATERIAL COMPACTED AS PER NOTE 35, SHEET 2.

1:100 2 1 00 2 4 8
1:50 1 0.5 00 1 2 4

AMENDMENTS			
A	21/02/20	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

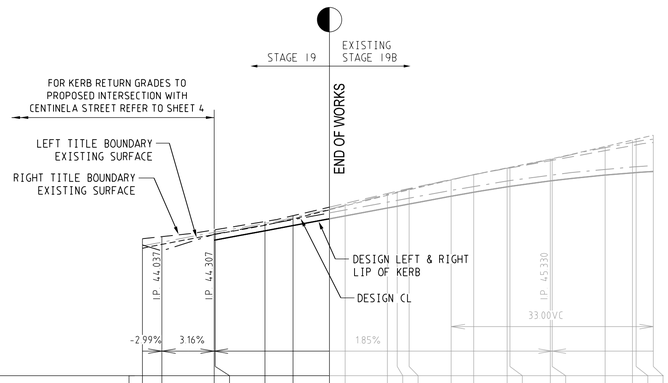
MELWAY REF.	234-G-2
SURVEY	BPD
DESIGN	GL
DRAWN	GL
CHECKED	

RIVERDALE VILLAGE
STAGE 19
NYMAN CIRCUIT & CENTINELA STREET
CROSS SECTIONS

MUNICIPALITY: WYNDHAM
REFERENCE: 8554 E/19

SCALE AS SHOWN | DATUM AHD | DATE OCT'18 | SHEET 7 OF 11 | A

I:\H8554\ENG\STI9\E19_R07_NC CS XS.dgn
Plotted:21/02/2020



ES LEFT TITLE BDY	44.08	44.14	44.30	44.31	44.45	44.56	44.71	44.77	44.94	44.98	45.03	45.19	45.28	45.39	45.40	45.53	45.54	45.74	45.84	45.86	45.92
FS LEFT TITLE BDY			44.45	44.46	44.61	44.69	44.80	44.85	44.98	45.01	45.04	45.17	45.23	45.32	45.33	45.42	45.42	45.51	45.55	45.56	45.57
LEFT LIP OF KERB			44.21	44.21	44.36	44.45	44.56	44.61	44.74	44.76	44.80	44.93	44.99	45.08	45.09	45.18	45.18	45.27	45.31	45.31	45.33
DESIGN CL	44.13	44.04	44.31	44.31	44.46	44.55	44.66	44.70	44.83	44.86	44.90	45.02	45.09	45.18	45.18	45.27	45.28	45.37	45.41	45.41	45.43
RIGHT LIP OF KERB			44.21	44.36	44.45	44.56	44.61	44.74	44.76	44.80	44.93	44.99	45.08	45.09	45.18	45.18	45.27	45.31	45.31	45.33	
FS RIGHT TITLE BDY			44.47	44.62	44.70	44.81	44.86	44.99	45.02	45.05	45.18	45.25	45.33	45.34	45.43	45.43	45.53	45.56	45.57	45.59	
ES RIGHT TITLE BDY	44.24	44.27	44.38	44.52	44.61	44.75	44.81	44.97	45.01	45.05	45.20	45.28	45.38	45.39	45.51	45.51	45.67	45.76	45.77	45.80	
CHAINAGE CENTRE LINE	0.00	3.18	11.72	11.88	20.00	24.59	30.54	33.09	40.00	41.59	43.53	50.40	54.09	59.53	60.00	66.59	66.90	75.53	80.00	80.59	83.40

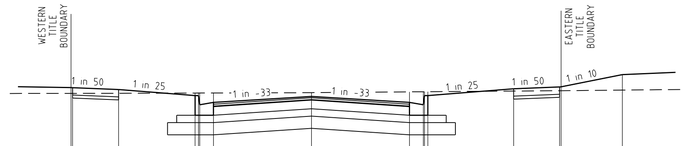
LTP

GUNAWAN DRIVE

LONGITUDINAL SECTION

SCALE HORIZONTAL 1:500
VERTICAL 1:50

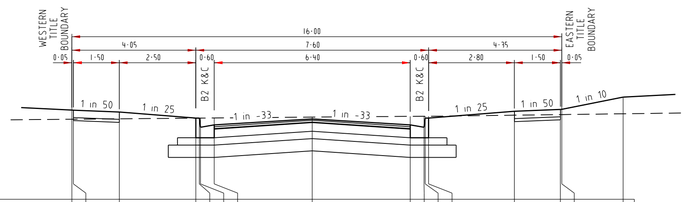
1:500 10 5 00 10 20 40
1:50 1 0.5 00 1 2 4



DATUM RL430

DESIGN SURFACE	44.80	44.80	44.77	44.67	44.67	44.52	44.56	44.66	44.56	44.52	44.67	44.67	44.78	44.81	44.81	45.01
EXISTING SURFACE	44.71	44.71	44.71	44.71	44.71	44.71	44.71	44.72	44.73	44.73	44.73	44.73	44.74	44.75	44.75	44.76
OFFSET	-7.85	-7.80	-6.30	-3.80	-3.69	-3.65	-3.20	0.00	3.20	3.65	3.69	3.80	6.60	8.10	8.15	10.15

30.54



DATUM RL430

DESIGN SURFACE	44.46	44.45	44.42	44.32	44.32	44.17	44.21	44.31	44.21	44.17	44.32	44.32	44.44	44.47	44.47	44.67
EXISTING SURFACE	44.31	44.31	44.31	44.32	44.32	44.32	44.33	44.34	44.35	44.35	44.35	44.36	44.37	44.38	44.38	44.40
OFFSET	-7.85	-7.80	-6.30	-3.80	-3.69	-3.65	-3.20	0.00	3.20	3.65	3.69	3.80	6.60	8.10	8.15	10.15

TP Ch.11.88

GUNAWAN DRIVE

CROSS SECTIONS

SCALE HORIZONTAL 1:100
VERTICAL 1:50

1:100 2 1 00 2 4 8
1:50 1 0.5 00 1 2 4

VER.	DATE	REMARKS
A	21/02/20	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 GL
DRAWN GL
CHECKED

RIVERDALE VILLAGE
STAGE 19
GUNAWAN DRIVE
LONGITUDINAL & CROSS SECTIONS

MUNICIPALITY: WYNDHAM
REFERENCE: 8554 E/19

SCALE AS SHOWN | DATUM AHD | DATE OCT'18 | SHEET 8 OF 11 | A

Plotted:21/02/2020
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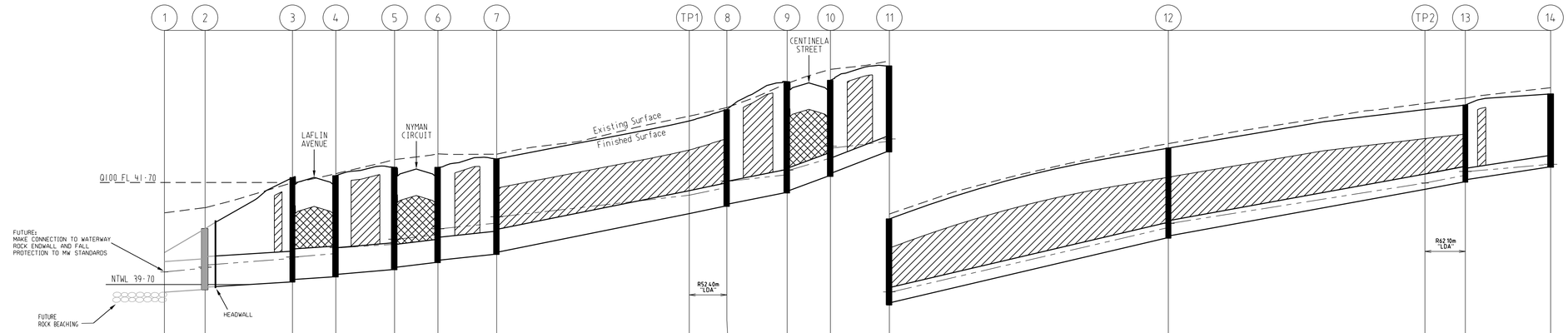
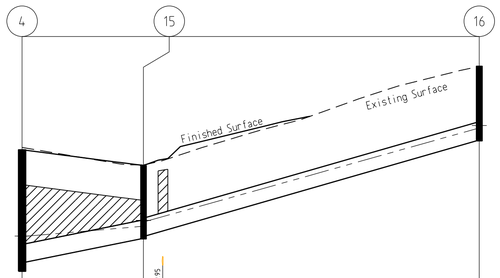
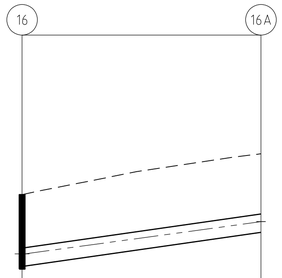


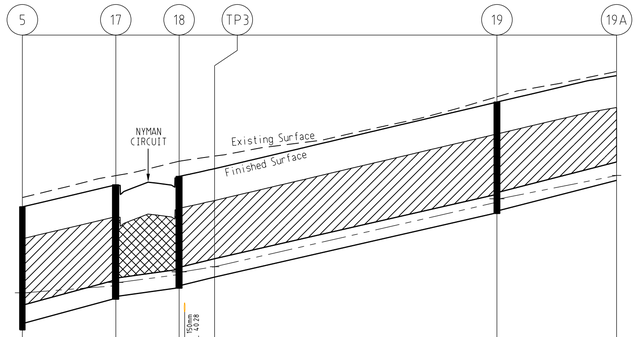


	1–2	2–3	3–4	4–5	5–6	6–7	7–TP1	TP1–8	8–9	9–10	10–11	11–12	12–TP2	TP2–13	13–14
VELOCITY (m/sec)	1.73m/s	1.66m/s	1.67m/s	1.76m/s	1.85m/s	1.75m/s	2.53m/s		2.41m/s	3.22m/s	2.56m/s	2.08m/s	1.84m/s	1.35m/s	
DESIGN (m3/s)	0.43m3/s	0.44m3/s	0.44m3/s	0.36m3/s	0.28m3/s	0.27m3/s	0.26m3/s		0.25m3/s	0.24m3/s	0.07m3/s	0.06m3/s	0.03m3/s	0.00m3/s	
CAPACITY (m3/s)	0.49m3/s	0.47m3/s	0.47m3/s	0.38m3/s	0.29m3/s	0.28m3/s	0.40m3/s		0.38m3/s	0.51m3/s	0.18m3/s	0.15m3/s	0.13m3/s	0.05m3/s	
DIAMETER AND TYPE (CLASS 2 UNLESS OTHERWISE STATED)	600 RRJ	600 RRJ	600 RRJ CLASS 4	525 RRJ	450 RRJ CLASS 4	450 RRJ	450 RRJ		450 RRJ	450 RRJ CLASS 4	300 RRJ	300 RRJ	300 RRJ	225 RRJ	
GRADE	1 in 160	1 in 171	1 in 170	1 in 128	1 in 94.4	1 in 105	1 in 50.3		1 in 55.6	1 in 30.9	1 in 28.5	1 in 43.4	1 in 55.6	1 in 69.7	
DATUM RL	36.0										39.0				
DEPTH FS TO INVERT	0.786	0.776 1.194	1.144	2.047	1.997 1.983	1.933 2.006	1.956 1.866	1.816 1.871	1.821	1.896	1.846 2.182	2.132 1.884	1.809 1.685	1.635 1.764	1.714 1.512
HGL LEVEL	39.982	40.043	40.104	40.210	40.241	40.305	40.425 40.491	40.595 40.678	40.800 40.908	41.037 41.452	41.595 41.731	41.848 41.944	42.166 42.412	42.503 42.555	43.806 43.899 44.833 44.916 44.915
INVERT	39.540	39.550 39.600	39.650	39.750	39.800	39.850	39.900	39.990 40.040	40.130 40.180	40.290 40.340	41.233 41.283	41.495 41.545	41.820 41.895	42.300 42.350	43.610 43.660 44.708 44.760
FINISHED SURFACE	40.326	40.794		41.797	41.833	41.996	41.996	42.161	43.129	43.678	43.704	43.985	45.374	46.220	46.436
NATURAL SURFACE	41.107	41.208		41.693	41.871	42.149	42.262	42.254	43.170	43.642	43.918	44.082	45.462	46.354	46.558
CHAINAGE	0.000	7.976		25.101	33.601	45.127	53.627	65.153	102.903	110.284	122.090	130.590	142.132	247.134 255.060	271.778
	L=7.976m	L=17.124m		L=8.500m	L=11.526m	L=8.500m	L=11.526m	L=37.750m	L=7.381m	L=11.806m	L=8.500m	L=11.542m	L=54.698m	L=50.304m	L=7.926m L=16.718m

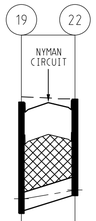
	4–15	15–16
VELOCITY (m/sec)	1.90m/s	2.30m/s
DESIGN (m3/s)	0.07m3/s	0.06m3/s
CAPACITY (m3/s)	0.13m3/s	0.16m3/s
DIAMETER AND TYPE (CLASS 2 UNLESS OTHERWISE STATED)	300 RRJ CLASS 4	300 RRJ
GRADE	1 in 52.1	1 in 35.4
DATUM RL	35.0	
DEPTH FS TO INVERT	1.983 1.833	1.196 1.146 1.216
HGL LEVEL	40.305 40.425 40.421	40.581 40.681 42.177 42.230
INVERT	39.850 40.000 40.323	40.380 40.430 40.508 41.980
FINISHED SURFACE	41.833	41.576 43.196
NATURAL SURFACE	41.871	41.587 43.195
CHAINAGE	0.000 16.525	19.798 22.969 74.637
	L=19.798m	L=54.839m



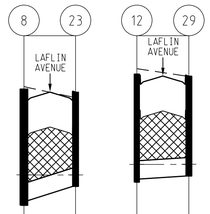
	16–16A
VELOCITY (m/sec)	1.63m/s
DESIGN (m3/s)	0.05m3/s
CAPACITY (m3/s)	0.11m3/s
DIAMETER AND TYPE (CLASS 2 UNLESS OTHERWISE STATED)	300 RRJ
GRADE	1 in 70.9
DATUM RL	37.0
DEPTH FS TO INVERT	1.216 1.166 1.288
HGL LEVEL	42.177 42.230 42.754
INVERT	41.980 42.030 42.580
FINISHED SURFACE	43.196 43.868
NATURAL SURFACE	43.195 43.862
CHAINAGE	74.637 113.638
	L=39.000m



	5–17	17–18	18–TP3	TP3–19	19–19A
VELOCITY (m/sec)	2.18m/s	1.53m/s		2.06m/s	2.16m/s
DESIGN (m3/s)	0.08m3/s	0.08m3/s		0.05m3/s	0.01m3/s
CAPACITY (m3/s)	0.15m3/s	0.11m3/s		0.15m3/s	0.15m3/s
DIAMETER AND TYPE (CLASS 2 UNLESS OTHERWISE STATED)	300 RRJ	300 RRJ CLASS 4		300 RRJ	300 RRJ
GRADE	1 in 39.4	1 in 79.5		1 in 44.3	1 in 40
DATUM RL	36.0				
DEPTH FS TO INVERT	2.006 1.894	1.866 1.816	1.824 1.774	1.816 1.766	1.710
HGL LEVEL	40.491 40.595	40.706 40.764 40.762	40.886 40.936	42.062 42.129	42.508
INVERT	39.990 40.102	40.490 40.540	40.670 40.720 40.731	40.850 41.890 41.940	42.428
FINISHED SURFACE	41.996	42.356	42.494	43.706	44.139
NATURAL SURFACE	42.149	42.506	42.741	43.792	44.206
CHAINAGE	0.000	15.253	25.592 26.498	31.391 77.481	97.017
	L=15.253m	L=10.339m	L=5.799m	L=46.090m	L=19.536m



	19–22
VELOCITY (m/sec)	2.28m/s
DESIGN (m3/s)	0.01m3/s
CAPACITY (m3/s)	0.16m3/s
DIAMETER AND TYPE (CLASS 2 UNLESS OTHERWISE STATED)	300 RRJ CLASS 4
GRADE	1 in 36
DATUM RL	36.0
DEPTH FS TO INVERT	1.816 1.766 1.574
HGL LEVEL	42.062 42.129 42.262 42.272
INVERT	41.890 41.940 42.180
FINISHED SURFACE	43.706 43.754
NATURAL SURFACE	43.792 43.760
CHAINAGE	0.000 8.740
	L=8.740m



	8–23
VELOCITY (m/sec)	2.27m/s
DESIGN (m3/s)	0.01m3/s
CAPACITY (m3/s)	0.16m3/s
DIAMETER AND TYPE (CLASS 2 UNLESS OTHERWISE STATED)	300 RRJ CLASS 4
GRADE	1 in 36.3
DATUM RL	38.0
DEPTH FS TO INVERT	1.896 1.821 1.539
HGL LEVEL	41.594 41.730 41.726 41.728
INVERT	41.233 41.308 41.540
FINISHED SURFACE	43.129 43.079
NATURAL SURFACE	43.170 42.989
CHAINAGE	0.000 8.425
	L=8.425m

	12–29
VELOCITY (m/sec)	1.05m/s
DESIGN (m3/s)	0.01m3/s
CAPACITY (m3/s)	0.07m3/s
DIAMETER AND TYPE (CLASS 2 UNLESS OTHERWISE STATED)	300 RRJ CLASS 4
GRADE	1 in 170
DATUM RL	40.0
DEPTH FS TO INVERT	1.764 1.714 1.628
HGL LEVEL	43.806 43.899 43.900 43.902
INVERT	43.610 43.660 43.710
FINISHED SURFACE	45.374 45.338
NATURAL SURFACE	45.462 45.334
CHAINAGE	0.000 8.500
	L=8.500m

INDICATES CLASS 3 CRUSHED ROCK BACKFILL

INDICATES CLASS 2 CRUSHED ROCK BACKFILL

INDICATES 5YR HGL

"LDA" INDICATES PIPES WITH LARGER DEFLECTION ANGLE TO BE ORDERED

DRAINAGE LONGITUDINAL SECTIONS

SCALE HORIZONTAL 1:500
VERTICAL 1:50

1:500 10 5 00 10 20 40
1:50 1 0.5 00 1 2 4

VER.	DATE	REMARKS
A	21/02/20	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	GL
DRAWN	GL
CHECKED	

RIVERDALE VILLAGE STAGE 19

DRAINAGE LONGITUDINAL SECTIONS

MUNICIPALITY: WYNDHAM

REFERENCE: 8554 E/19

SCALE AS SHOWN | DATUM AHD | DATE OCT'18 | SHEET 9 OF 11 | A

Plotted:27/02/2020

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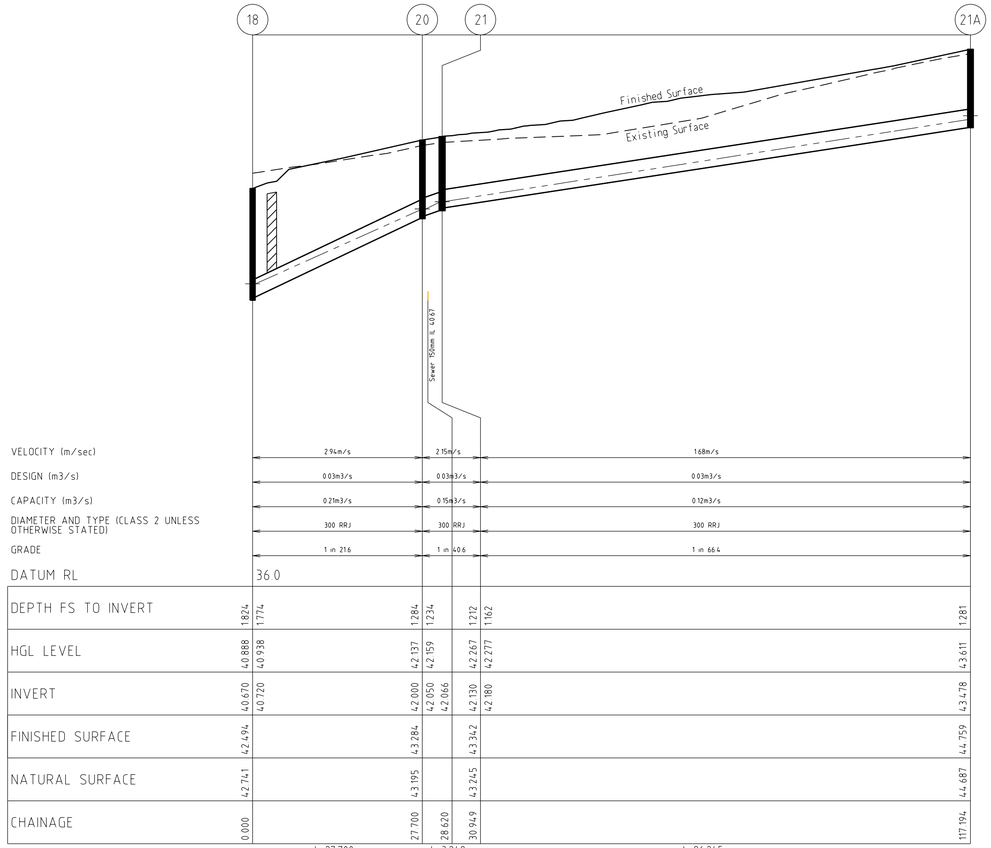

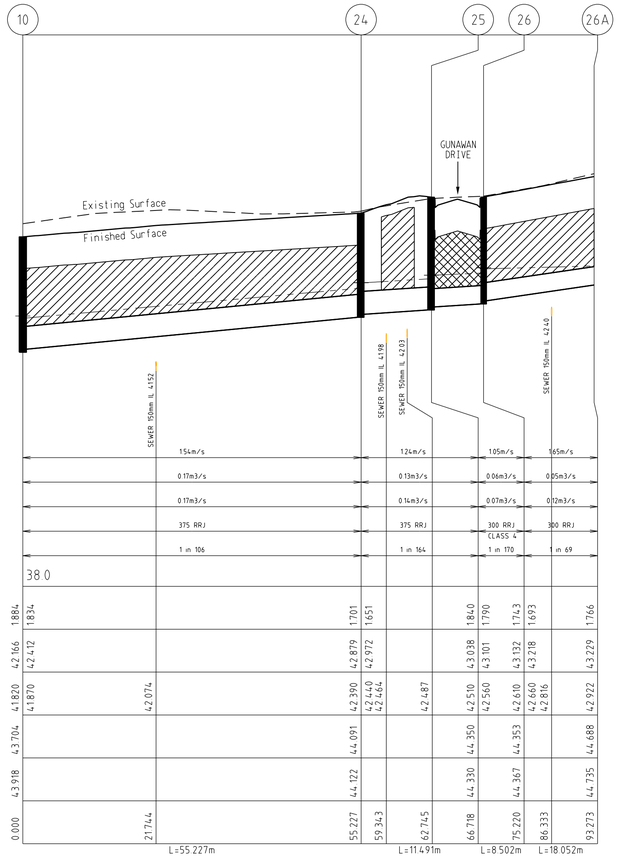

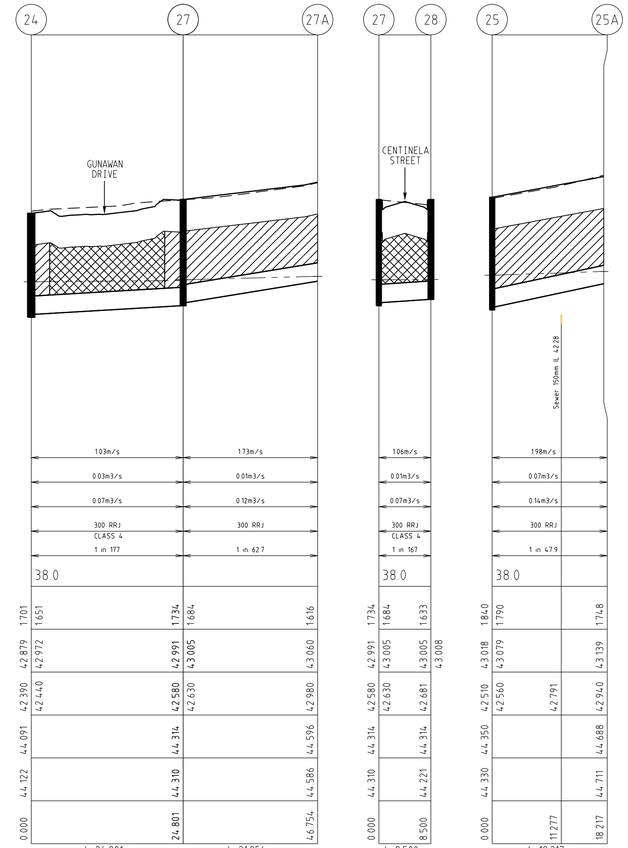

PIT No.	PIT DESCRIPTION	LENGTH	WIDTH	INLET		OUTLET		TOP PIT RL	DEPTH INVERT	REMARKS
				INVERT	DIA	INVERT	DIA			
1	OUTLET PIPE (FUTURE)			39.55	600			40.22	0.68	OUTLET PIPE- REFER TO WQ2 PLANS
2	JUNCTION PIT (FUTURE)	900	900	39.65	600	39.60	675.00	40.79	1.19	EDCM STD DWG 605 (HAUNCHED)
3	GRATED ENTRY PIT	900	900	39.80	600	39.75	600.00	41.80	2.05	EDCM STD DWG 601 (HAUNCHED)
4	GRATED ENTRY PIT	900	900	39.90	525	39.85	600.00	41.83	1.98	EDCM STD DWG 601 (HAUNCHED)
				40.00	300					
5	GRATED ENTRY PIT	900	900	40.04	450	39.99	525.00	42.00	2.01	EDCM STD DWG 601 (HAUNCHED)
				40.10	300					
6	GRATED ENTRY PIT	900	600	40.18	450	40.13	450.00	42.00	1.87	EDCM STD DWG 601
7	GRATED ENTRY PIT	900	600	40.34	450	40.29	450.00	42.16	1.87	EDCM STD DWG 601
8	JUNCTION PIT	900	600	41.28	450	41.23	450.00	43.13	1.90	EDCM STD DWG 605
				41.31	300					
9	GRATED ENTRY PIT	900	600	41.55	450	41.50	450.00	43.68	2.18	EDCM STD DWG 601
10	GRATED ENTRY PIT	900	600	41.90	300	41.82	450.00	43.70	1.88	EDCM STD DWG 601
				41.87	375					
11	GRATED ENTRY PIT	900	600	42.35	300	42.30	300.00	43.99	1.69	EDCM STD DWG 601
12	GRATED ENTRY PIT	900	600	43.66	300	43.61	300.00	45.37	1.76	EDCM STD DWG 601
				43.66	300					
13	JUNCTION PIT	900	600	44.76	225	44.71	300.00	46.22	1.51	EDCM STD DWG 605
14	GRATED ENTRY PIT	900	600			45.00	225.00	46.44	1.44	EDCM STD DWG 601
15	JUNCTION PIT	900	600	40.43	300	40.38	300.00	41.58	1.20	EDCM STD DWG 605
16	JUNCTION PIT	900	600	42.03	300	41.98	300.00	43.20	1.22	EDCM STD DWG 605
16A	END OF PIPE			42.58	300	42.58	300	43.87	1.29	
17	JUNCTION PIT	900	600	40.54	300	40.49	300.00	42.36	1.87	EDCM STD DWG 605
18	JUNCTION PIT	900	600	40.72	300	40.67	300.00	42.49	1.82	EDCM STD DWG 605
				40.72	300					
19	GRATED ENTRY PIT	900	600	41.94	300	41.89	300.00	43.71	1.82	EDCM STD DWG 601
				41.94	300					
19A	END OF PIPE			42.43	300	42.43	300	44.14	1.71	
20	JUNCTION PIT	600	600	42.05	300	42.00	300	43.28	1.28	EDCM STD DWG 605 (modified to 600 length)
21	JUNCTION PIT	900	600	42.18	300	42.13	300	43.34	1.21	EDCM STD DWG 605
21A	JUNCTION PIT	900	600			43.48	300	44.76	1.28	EDCM STD DWG 605
22	GRATED ENTRY PIT	900	600			42.18	300	43.75	1.57	EDCM STD DWG 601
23	GRATED ENTRY PIT	900	600			41.54	300	43.08	1.54	EDCM STD DWG 601
24	JUNCTION PIT	900	600	42.44	375	42.39	375	44.09	1.70	EDCM STD DWG 605
				42.44	300					
25	GRATED ENTRY PIT	900	600	42.56	300	42.51	375	44.35	1.84	EDCM STD DWG 601
				42.56	300					
25A	END OF PIPE			42.94	300	42.94	300	44.69	1.75	
26	GRATED ENTRY PIT	900	600	42.66	300	42.61	300	44.35	1.74	EDCM STD DWG 601
26A	END OF PIPE			42.92	300	42.92	300	44.69	1.77	
27	GRATED ENTRY PIT	900	600	42.63	300	42.58	300	44.31	1.73	EDCM STD DWG 601
				42.63	300					
27A	END OF PIPE			42.98	300	42.98	300	44.60	1.62	
28	GRATED ENTRY PIT	900	600			42.68	300	44.31	1.63	EDCM STD DWG 601
29	GRATED ENTRY PIT	900	600			43.71	300	45.34	1.63	EDCM STD DWG 601

INDICATES CLASS 3 CRUSHED ROCK BACKFILL

INDICATES CLASS 2 CRUSHED ROCK BACKFILL

—— - - INDICATES 5YR HGL

"LDA" INDICATES PIPES WITH LARGER DEFLECTION ANGLE TO BE ORDERED

DRAINAGE LONGITUDINAL SECTIONS

SCALE HORIZONTAL 1:500
VERTICAL 1:50

1:500 10 5 00 10 20 40
1:50 1 0.5 00 1 2 4

AMENDMENTS

VER.	DATE	REMARKS
C	30/04/20	PIT 20 AMENDED
B	06/03/20	PIT 21A AMENDED
A	21/02/20	ISSUED FOR CONSTRUCTION

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 GL
DRAWN GL
CHECKED

RIVERDALE VILLAGE
STAGE 19

DRAINAGE LONGITUDINAL SECTIONS

MUNICIPALITY: WYNDHAM

REFERENCE: 8554 E/19

SCALE AS SHOWN | DATUM AHD | DATE OCT'18 | SHEET 10 OF 11 | C

Plotted: 30/04/2020

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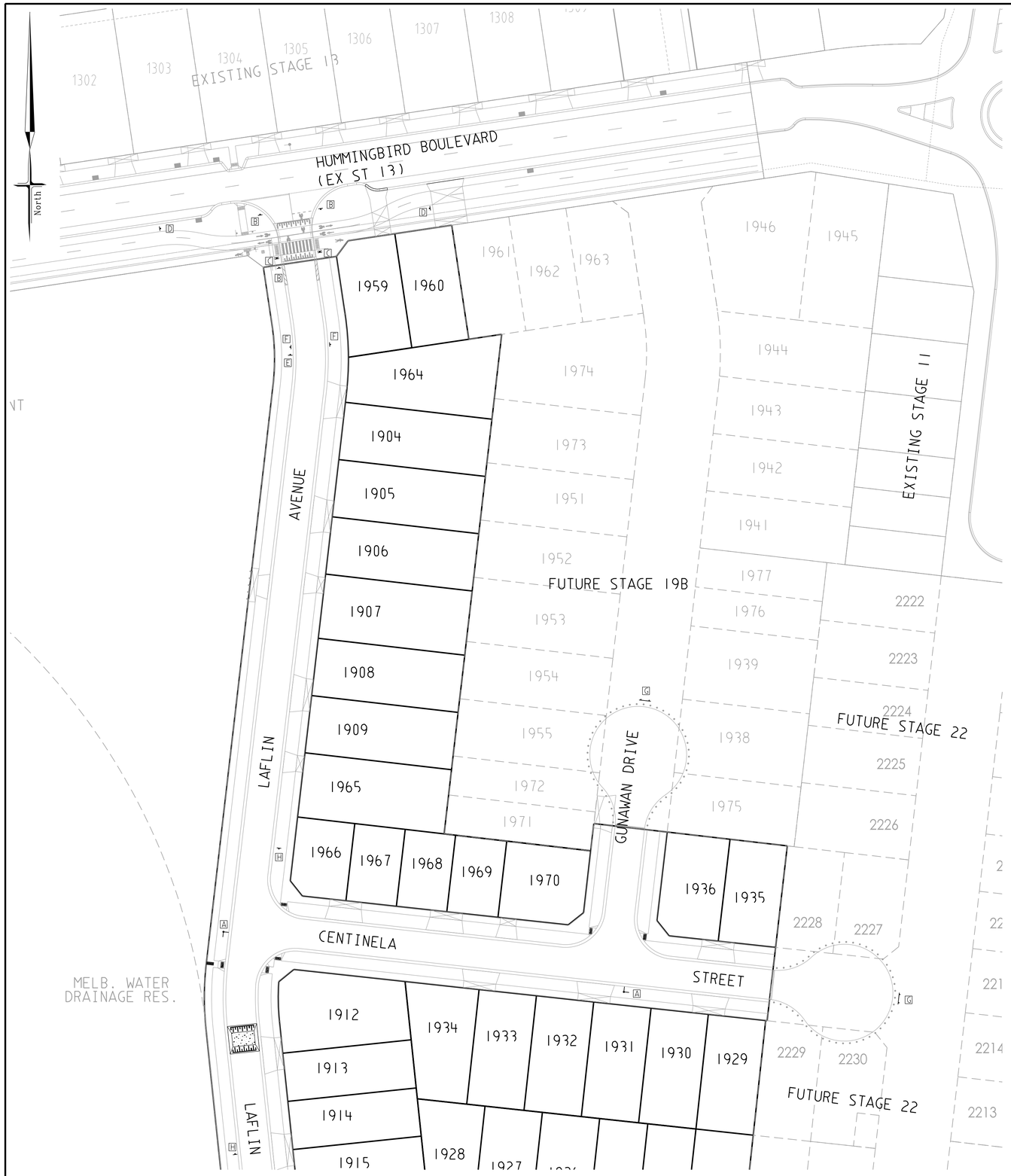


FOR CONTINUATION REFER TO RIGHT INSET

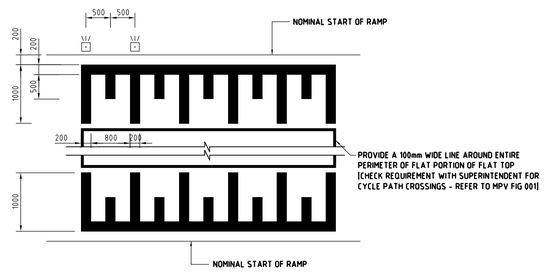
SIGNAGE AND LINEMARKING PLAN

SCALE 1:500

SCALE 1 : 500

10 5 0 10 20 40

LENGTHS ARE IN METRES



LINE MARKING FOR RAISED PAVEMENTS

NOT TO SCALE

SIGNAGE LEGEND

- A STREET SIGNS
- B GIVE WAY SIGN (R1-2A) - CLASS 1 — R1-2
- C PEDESTRIAN CROSSING SIGN (R3-1A) - CLASS 1 — R3-1
- D ROAD AHEAD SIGN (W6-8A) - CLASS 1 — W6-8
- E BICYCLE PEDESTRIAN WARNING SIGN (W6-9A) WITH CROSSING ARROW SIGN (W8-23A) BELOW. ALL CLASS 1. — W6-9, W8-23
- F NO STANDING SIGNS - ARROW TOWARDS INTERSECTION
- G ROAD CLOSED SIGN (G9-20) WITH OBSTRUCTION MARKER SIGN (D4-5) - CLASS 1 — G9-20, D4-5
- H ROAD HUMP SIGN - CLASS 1 & 20km/h ADVISORY SIGN - CLASS 1 — W5-10A, W8-2A

TGSI DIRECTIONAL

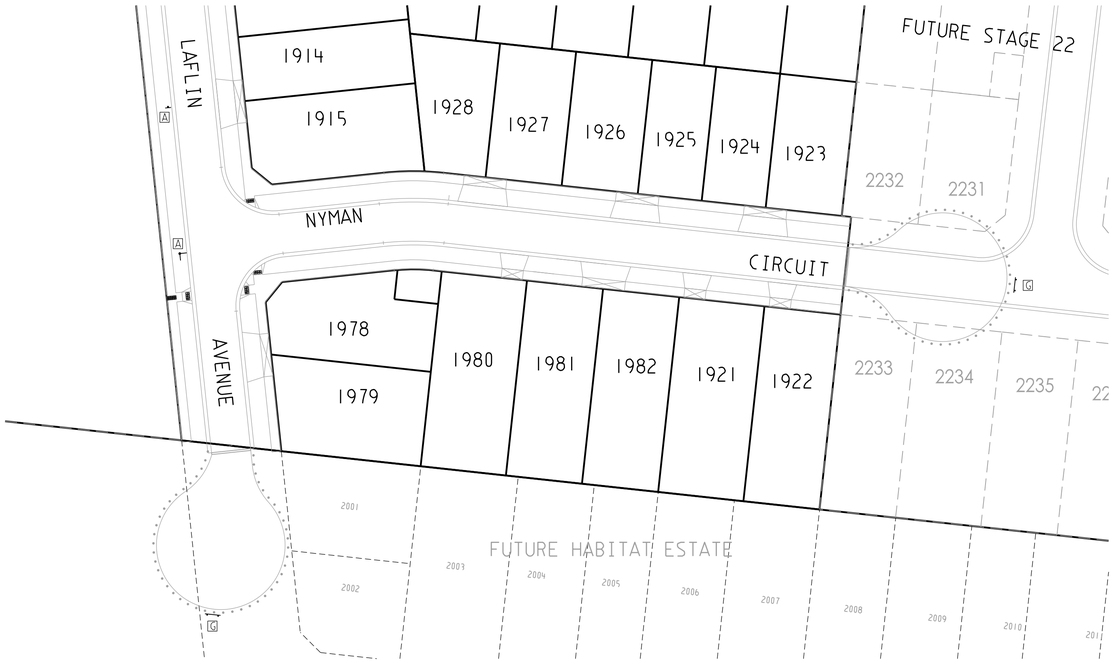
TGSI KERB RAMP

NOTES

a) ALL SIGNS TO BE SLEEVED USING A SL27 SLEEVE.

b) SWLM - INDICATES SOLID WHITE "LONGLIFE" LINE MARKING
BWLM - INDICATES BROKEN WHITE "LONGLIFE" LINE MARKING

NOTE: ALL SIGNAGE SHALL BE IN ACCORDANCE WITH AUSTRALIAN STANDARD (AS 1742.2-2009)



INSET

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.

AMENDMENTS			
A	21/02/20	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	GL
DRAWN	GL
CHECKED	

RIVERDALE VILLAGE
STAGE 19

SIGNAGE AND LINEMARKING PLAN

MUNICIPALITY	WYNDHAM
REFERENCE	8554 E/19

SCALE AS SHOWN | DATUM AHD | DATE OCT'18 | SHEET 11 OF 11 | A

Plotted:27/02/2020

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