5836405.92 N
RL190.78

PROVIDE 200mm COMPACTED DEPTH FCR TEMPORARY TURNING AREA WITH TREATED PINE POST & RAIL SURROUND. CONSTRUCTION TO BE DELAYED UNTIL DIRECTED BY THE SUPERVISING ENGINEER. PROVIDE CONCRETE EDGE PROTECTION STRIP & ROW OF AG'S AT END OF PAVEMENT.

TANYA LANE

BANK STREET

TBM PSM
322312.43 E
5836326.30 N
RL188.63

EXISTING STAGE 6A
CLUB FACILITY
0.75ha

RESERVE NO. 11
1.117ha
OPEN SPACE /
WATERWAY CORRIDOR

RESERVE NO. 11
0.2218ha

4m CARRIAGEWAY EASEMENT FOR THE MINISTER FOR ENVIRONMENT, ENERGY AND CLIMATE CHANGE

4.12m LOCKABLE GATE SEE LANDSCAPE PLANS FOR DETAIL

4m PATH TO BE CONSTRUCED BY LANDSCAPE

BCS CONSERVATION AREA 1.11ha

CRAGIEBURN ROAD - FUTURE WIDENING

SHUTO WALK (COMMON PROPERTY)

WELLINGTON WALK (COMMON PROPERTY)

WEARING ROAD

CONCRETE AREAS SHADED YELLOW TO BE COMPLETED AS PART OF RATHDOWNE STAGE 24

EXISTING PATH ALONG BOUNDARY OF LOTS 2428-2427 TO BE COMPLETED AS PART OF AMBER ESTATE WORKS

4.12m LOCKABLE GATE SEE LANDSCAPE PLANS FOR DETAILS
4.2m WIDE HEAVY DUTY VEHICLE CROSSING REF STD DWG EDCM 503

CROSSOVER TO BE CONSTRUCTED WITH CIVIL

LOCALITY PLAN
Site of Works
MELWAYS: 356 - A6
SCALE 1:5000

North

AS CONSTRUCTED

SYMBOL LEGEND

	Prop	Prev Stage
Drains		
Sewer < 300Ø	S	S
Sewer ≥ 300Ø	S	S
Water (DW)	W	W
Water (NDW)	W	W
House Drain	H	H
Property Inlet		
Street Sign		
PSM		
Rock Ret Wall		
Sleeper Ret Wall		
Conduits 50mm	GW	GW
Conduits 100mm	W100	W100
Street Tree without/with Passive Irrigation (Refer Detail)		
Ex Drains		
Ex Water DW/NDW	Ex W	Ex W
Ex Sewer/Gas	Ex S	EX D
Ex Elect/Telecomm	EX E	EX T

Ex/Natural/FS Level	+28.57 +NS28.57 +FS28.57
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 Proposed (<0.3m/≥0.3m)	
Cut Proposed	
Aspalt Surface Prop	
Concrete Surface Prop (Paths/Driveways/Slabs)	
Tree To Be Removed	X
Tree To Be Retained with Tree Protection Zone (TPZ)	DRIP LINE TPZ

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 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.

SHEET INDEX

SHT No.	VER	DESCRIPTION
1	E	DETAIL PLAN
2	B	NOTES AND TYPICAL SECTIONS SHEET 1 OF 1
3	B	BANK LONGDITUDINAL SECTION
4	B	BANK STREET CROSS SECTIONS
5	E	DRAINAGE LONGITUDINAL SECTIONS SHEET 1 OF 2
6	E	DRAINAGE LONGITUDINAL SECTIONS SHEET 2 OF 2
7	B	SIGNAGE AND LINEMARKING PLAN

AMENDMENTS

VER	DATE	REMARKS
E	12.10.21	PIT 26 UPDATED
D	05.10.21	DRAINAGE UPDATED
C	09.09.21	PIT PLAN NUMBERS AMENDED
A	05.06.21	ISSUE 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. 388-C-10
SURVEY BPD
DESIGN RGW
DRAWN RGW
CHECKED

RATHDOWNE ESTATE STAGE 24 DETAIL PLAN

MUNICIPALITY: WHITTLESEA
REFERENCE: 9365E/24

SCALE AS SHOWN | DATUM AHD | DATE MAR'21 | SHEET 1 OF 7 | E

Plotted: 13/10/2021

J:\H9365\Eng\Stage 24\E24_R01_DET.dgn

NOTES

1. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH PLANS AND CURRENT CITY OF WHITTLESEA SPECIFICATIONS AND STANDARD DRAWINGS APPROVED BY COUNCIL AND TO THE SATISFACTION OF THE ENGINEER.

2. COUNCIL TO BE NOTIFIED 2 CLEAR DAYS PRIOR TO COMMENCEMENT OF WORKS.

3. DRAINAGE AND PITS TO BE SETOUT FROM OFFSETS SHOWN RATHER THAN FROM CENTRELINE PIPE CHAINAGES. REFER EDCM601-608 FOR FURTHER DETAILS.

4. ALL PIPES TO BE CLASS 2 UNLESS OTHERWISE SPECIFIED AND SHALL BE RRJ UP TO AND INCLUDING 750mm DIAMETER. PIPES ABOVE THIS SIZE MUST BE FLUSH JOINTED WITH EXTERNAL SEALING BANDS. ALL DRAINS THAT CROSS UNDER ROAD PAVEMENTS ARE TO BE CLASS 4 R.C.P.

5. JOINTING FOR CURVED PIPE ALIGNMENT SHALL CONFORM TO MANUFACTURER'S SPECIFICATIONS (RRJ'S FOR MINOR DEFLECTIONS OR COMPLETE R.C. BANDAGES)

6. PROPERTY INLETS ARE TO BE PLACED 1.0m FROM THE LOW CORNER OF LOT UNLESS OTHERWISE SHOWN.

7. LOTS DENOTED THUS 416H ARE TO BE PROVIDED WITH A 100mm HOUSE DRAIN PLACED 5.5m FROM THE LOW CORNER OF THE LOT UNLESS OTHERWISE SHOWN. HOUSE DRAINS TO BE CONNECTED TO STREET DRAINAGE WITH 27A & CAP, CLEAR OF ANY PAVING. IF CONNECTION IS WITHIN PAVING A PIT MUST BE USED.

8. APPROVED GRANULAR BACKFILL TO BE PROVIDED WHERE PIPE TRENCHES ENCROACH UNDER ROADWAY DUE TO DEEP EXCAVATIONS IN ROCK.

9. SHALLOW CUT OFF DRAINS ARE TO BE PROVIDED ON SUBDIVISION BOUNDARY WHERE NECESSARY.

10. 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 SUPERINTENDENT PRIOR TO COMMENCEMENT OF WORKS.

11. AGRICULTURAL PIPE DRAINS TO PLACED BEHIND ALL KERB AND CHANNEL AND BUFFER PITCHERS AND WHERE DIRECTED BY THE ENGINEER (REFER TO STD DRG EDCM202).

12. ALL DRAINAGE TRENCHES UNDER ROAD PAVEMENTS, KERB & CHANNEL, PARKING BAYS DRIVEWAYS, FOOTPATHS AND BEHIND KERB & CHANNEL SHALL BE BACKFILLED WITH CRUSHED ROCK

13. BATTERS SHALL BE 1 IN 6 FOR CUT & FILL UNLESS OTHERWISE SHOWN. BATTERS EXCEEDING 1 IN 6 MUST BE STABILISED AS PER COUNCIL REQUIREMENTS.

14. ALL NATIVE TREES AND SHRUBS TO BE RETAINED UNLESS ROAD CONSTRUCTION NECESSITATES THEIR REMOVAL OR REMOVAL IS DIRECTED BY THE ENGINEER.

15. LOTS TO BE GRADED AND LEFT CLEAN TO THE SATISFACTION OF THE ENGINEER.

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

17. WHERE WORKS ARE IN THE VICINITY OF EXISTING SERVICES, THESE SERVICES ARE TO BE LOCATED AND THE VARIOUS AUTHORITIES NOTIFIED PRIOR TO COMMENCEMENT OF WORKS.

18. ALL MATERIAL SURROUNDING SERVICE AUTHORITY PITS LOCATED IN FOOTPATHS MUST BE ADEQUATELY COMPACTED IN 150mm LAYERS AND TESTED TO THE SATISFACTION OF THE CITY OF WHITTLESEA,PRIOR TO THE CONSTRUCTION OF FOOTPATH BAYS ADJACENT TO THESE PITS.

19. 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.

20. ALL GAS AND WATER CONDUITS FOR RESIDENTIAL LOTS TO BE PVC CLASS 12, 50mm DIAMETER.
[**** DUAL WATER MAINS ****]
20. ALL GAS AND WATER CONDUITS FOR RESIDENTIAL LOTS TO BE PVC CLASS 12, 50mm DIAMETER & 100mm DIAMETER RESPECTIVELY.

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

22. CONDUITS ARE TO BE EXTENDED 450mm BEHIND FACE OF KERB AND TO BE REFERENCED ON FACE OF KERB.

23. ALL STREET SIGNS TO BE CONSTRUCTED AND ERECTED TO CURRENT CITY OF WHITTLESEA STANDARDS. STREET NAME PLATES TO BE IN ACCORDANCE WITH STANDARD DRAWING SD825, INCLUDING "NO THROUGH ROAD" NOMINATION WHERE APPLICABLE.

24. TRAFFIC CONTROL SIGNS, MARKINGS & DELINEATORS TO BE INSTALLED IN ACCORDANCE WITH AS1742.2. ALL LINE MARKING IS TO BE LONG LIFE ROAD MARKING, WITH LONGITUDINAL LINES IN THERMOPLASTIC & TRANSVERSE MARKINGS IN COLD APPLIED.

25. ALL DRIVEWAYS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH EDCM501 & 502 AND ARE TO BE OFFSET 0.75m FROM SIDE BOUNDARY OR EASEMENT UNLESS OTHERWISE SHOWN.

26. ALL DRIVEWAY RAMPS INTO PROPERTIES ARE TO BE CUT IN AT A MAXIMUM GRADE OF 1 IN 6.

27. ALL PEDESTRIAN CROSSINGS ARE TO BE CONSTRUCTED GENERALLY IN ACCORDANCE WITH EDCM403. ALL PRAM CROSSING SPLAYS MUST BE 600mm WIDE AND NO GREATER.

28. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND TOPSOIL REPLACED TO OBTAIN FINAL FILL LEVELS AS SHOWN ON PLANS. FILLING TO BE CLEAN CLAY COMPACTED TO A DRY DENSITY NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY VALUE DETERMINED BY THE STANDARD COMPACTION TEST IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1289.5.2.1-2003. CONTROL TESTING TO COMPLY WITH AS3798-2007 APPENDIX B, LEVEL 1.

29. 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 SUPERVISING ENGINEER.

30. FILL REQUIRED UNDER ROADWAY KERB AND CHANNEL AND FOOTPATH TO BE UNDERTAKEN AS PER COUNCIL'S CONSTRUCTION SPECIFICATION FOR ROAD & DRAINAGE WORKS 20.6 (TYPE A MATERIAL AS PER VICROADS STANDARD SPECIFICATION 204) AND COMPACTED TO 98% AASHO IN 150mm LAYERS.

31. PAVEMENT DEPTH MAY NOT BE ALTERED WITHOUT WRITTEN APPROVAL FROM CITY OF WHITTLESEA DEVELOPMENT ENGINEERING UNIT PRIOR TO THE COMMENCEMENT OF WORKS. ADDITIONAL COSTS WILL NOT BE CONSIDERED POST TENDER.

32. THE CONTRACTOR IS TO ORGANISE AND PAY FOR TESTING OF PAVEMENT BASE COURSE MATERIAL AND FINAL LAYER OF CRUSHED ROCK. A COPY OF RESULTS IS TO BE FORWARDED TO THE DIRECTOR OF ENGINEERING OR HIS REPRESENTATIVE. THE RESULTS MUST MEET THE REQUIREMENTS OF THE CITY OF WHITTLESEA SPECIFICATION BEFORE ANY FURTHER WORKS ARE REQUIRED.

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. 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. THE SMP SHALL BE APPROVED BY CITY OF WHITTLESEA DEVELOPMENT ENGINEERING UNIT PRIOR TO THE COMMENCEMENT OF WORKS.

35. ALL FOOTPATHS IN ROADS TO BE OFFSET 50mm FROM PROPERTY BOUNDARY. FOOTPATHS CONSTRUCTED ABOVE EXISTING LEVEL TO BE CONSTRUCTED ON APPROVED FILL (TO AS-3798) OF F.C.R. INTO NATURAL GROUND.

36. PRIOR TO COMMENCEMENT OF WORKS TREE PROTECTION ZONES (TPZ) ARE TO BE INSTALLED AS SPECIFIED IN THE ANNOTATED DETAILS FORMING PART OF THE PLANNING PERMIT TO TREES NOTED "TO BE RETAINED". THIS INCLUDES THE FOLLOWING
- RING LOCK WIRE MESH MINIMUM 1.20m HIGH (STD DRG SDL.2.02)
- MAIN POSTS 100mm TREATED PINE (TP), MINIMUM 1.80m HIGH
- INTERMEDIATE POSTS STEEL STAR PICKETS (SP), MINIMUM 1.80m HIGH
- THE CORNER POSTS ARE TO BE TP WITH TP STAYS
- EVERY THIRD POST TO BE TP
- SP TO BE PLACED INTERMEDIATELY BETWEEN THE TP AT MAX 3.0m INTERVALS
- THE RING LOCK MESH TO ENCIRCLE THE STRUCTURE AND BE FIRMLY SECURED AT EACH POST
- POSTS MUST BE SUNK INTO THE GROUND BY 450mm (THERE IS TO BE NO CONCRETE TO SECURE POSTS AS THIS WILL AFFECT pH LEVELS)
- HIGH VISIBILTIY HAZARD MARKER TAPE SECURELY FIXED TO TOP OF WIRE MESH FENCE WITH WIRE TIES
- THE TREE PROTECTION ZONE IS TO BE CLEARLY SIGN POSTED IN ACCORDANCE WITH CONDITION 20 OF THE PLANNING PERMIT (STD DRG SDL.2.03)

NO EXCAVATION SHALL BE CARRIED OUT WITHIN 5.0m OF ANY TREE UNTIL APPROVAL IS GIVEN BY THE ENGINEER.

37. PROVIDE 1.8m HIGH PALING FENCE ALONG ANY COMMON BOUNDARY BETWEEN A LOT AND MUNICIPAL RESERVE. FENCING TO BE ERECTED BY THE DEVELOPER (OR OWNER) AT NO COST TO COUNCIL.PALINGS TO BE ON THE RESERVE SIDE AND CONSTRUCTED IN ACCORDANCE WITH COUNCIL STANDARD DRAWING SDL.3.09 & SDL.3.10.

38. VEHICULAR EXCLUSION FENCING TO BE PROVIDED ALONG THE ROAD FRONTAGES OF ALL RESERVES. REFER LANDSCAPE PLANS FOR FENCE DETAILS. FENCING TO BE CONSTRUCTED AS PART OF LANDSCAPE WORKS.

39. PROVIDE TEMPORARY SAFETY BARRIER FENCE (FARM FENCE AS PER MW STD. DWG. 7251/8/203) ALONG EDGE OF OUTFALL DRAINS. SAFETY FENCE TO REMAIN UNTIL PERMANENT UNDERGROUND DRAINAGE IS INSTALLED.

40. EXISTING DAM OR WATERCOURSES TO BE EXCAVATED TO A FIRM BASE AND BACKFILLED 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 COUNCIL SUPERVISING ENGINEER.

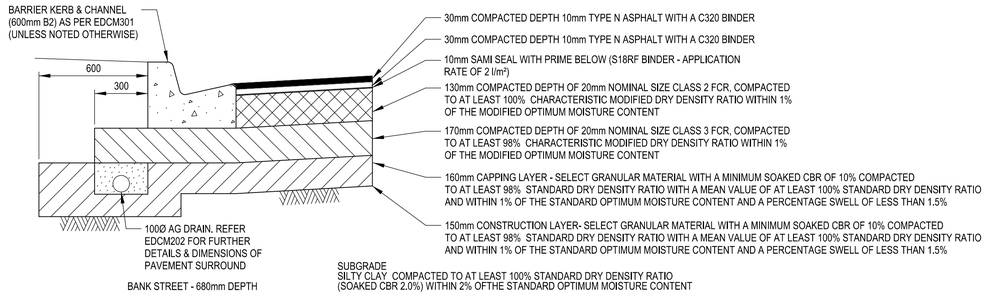
41. TACTILE GROUND SURFACE INDICATORS (TGSI) ARE TO BE INSTALLED WHERE SHOWN IN ACCORDANCE WITH COUNCIL STD DRG SD320 AND AS1428.

42. FITZROY BOXES TO BE PROVIDED FOR WATER AND GAS TAPPINGS LOCATED UNDER PARKING BAYS IN FRONT OF LOTS .

43. GAS LEADINS FOR LOTS TO BE PROVIDED BEFORE PARKING BAY CONSTRUCTION.

44. A BUILDING PERMIT MUST BE OBTAINED FOR ANY STRUCTURAL/RETAINING WALL EXCEEDING 1.0m IN HEIGHT PRIOR TO THE COMMENCEMENT OF CONSTRUCTION IN ACCORDANCE WITH THE BUILDING CODE OF AUSTRALIA. A COPY OF BUILDING PERMITS AND 'CERTIFICATE OF COMPLIANCE - CONSTRUCTION' TO BE SUBMITTED TO COUNCIL PRIOR TO STATEMENT OF COMPLIANCE.

45. ALL STRUCTURAL WORKS MUST BE SUPERVISED BY A QUALIFIED STRUCTURAL ENGINEER.



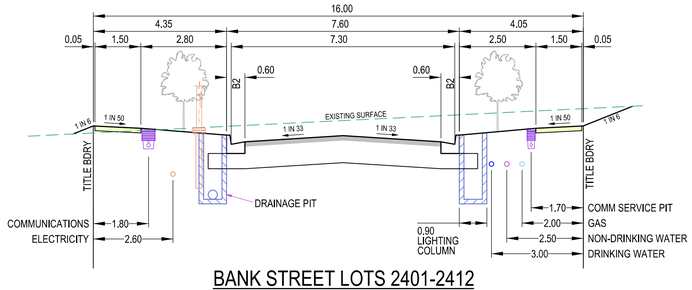
REFER TO EDCM202 FOR FURTHER AG, SERVICE CONDUIT AND TRENCH BACKFILL DETAILS

PAVEMENT COMPOSITION

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

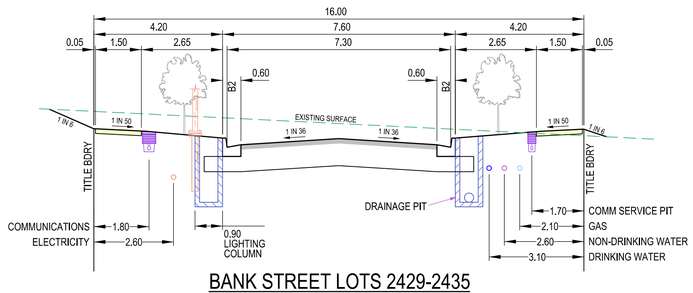
SERVICES OFFSETS AND LOCATIONS

Location	Gas	Water		Communications		Electricity		BOK	Road Width	Joint Trenching	Street Classification
		NDW	DW	Cables	Pits	Cables	Poles				
BANK STREET E-W	2.00S	2.50S	3.00S	1.80N	1.70S/1.80N	2.60N	1.00 BOK	4.35N/4.05S	16	G&W,FTTH&E	LEVEL 1
BANK STREET N-S	2.10E	2.60E	3.10E	1.80W	1.70E/1.80W	2.60W	1.00 BOK	4.20W/4.20E	16	G&W,FTTH&E	LEVEL 1
LAMINGTON WALK	1.85N	2.30N	2.75N	3.25N	3.25N	3.75N	1.00 BOK		4	G&W,FTTH&E	ACCESS WALK
SHUTO WALK	1.85S	2.30S	2.75S	3.25S	3.25S	3.75S	1.00 BOK		4	G&W,FTTH&E	ACCESS WALK

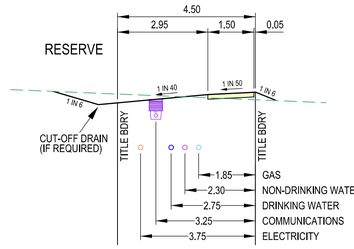


BANK STREET LOTS 2401-2412

ACCESS STREET TYPE 1

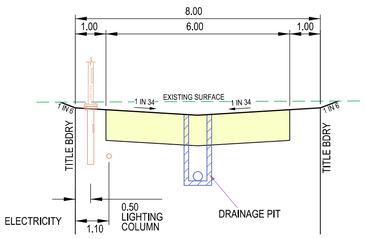


BANK STREET LOTS 2429-2435



LAMINGTON, SHUTO WALK

LOT ACCESS



MICROGRID LANE

ACCESS LANE

AS CONSTRUCTED

AMENDMENTS

VER	DATE	REMARKS
A	05.06.21	ISSUE 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

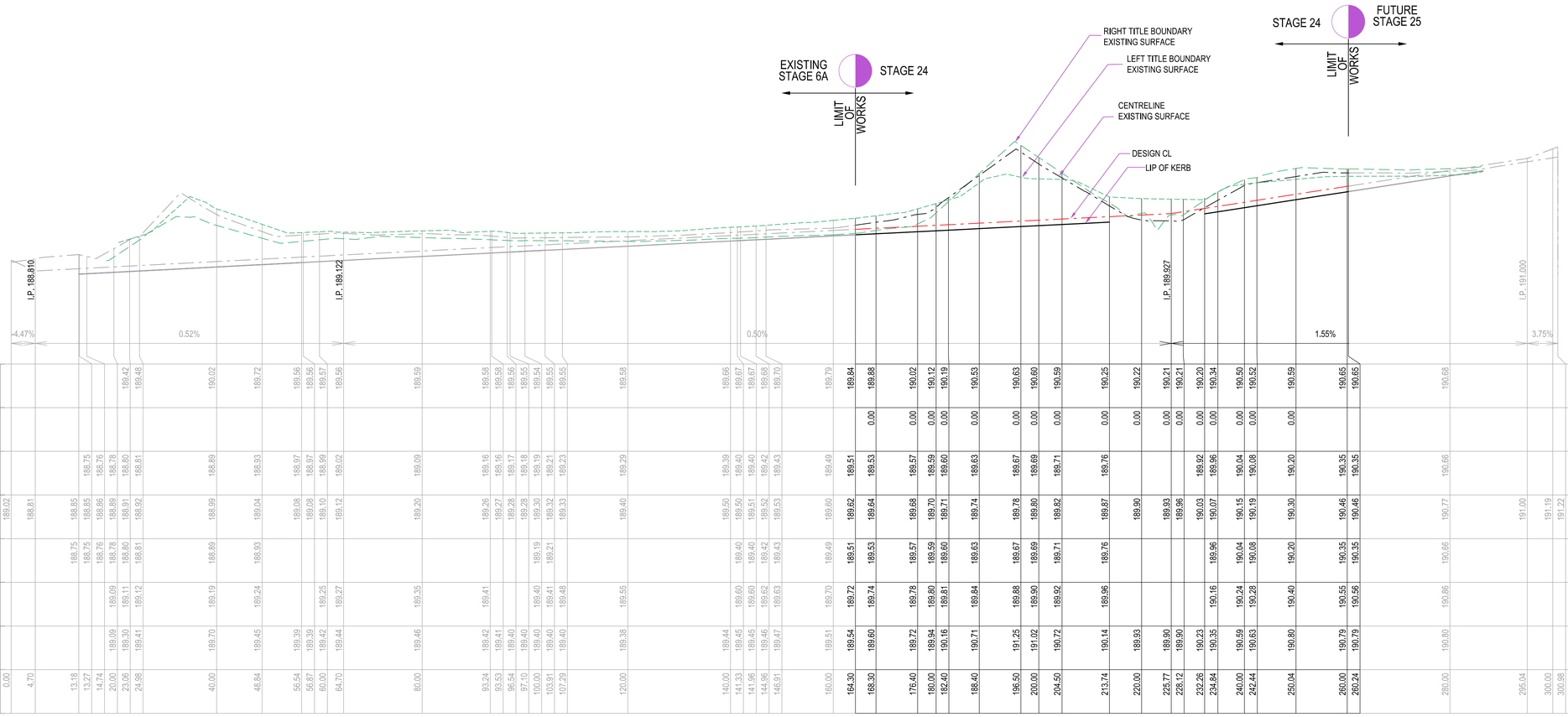
MELWAY REF.	388-C-10
SURVEY	BPD
DESIGN	RGW
DRAWN	RGW
CHECKED	

RATHDOWNE ESTATE
STAGE 24

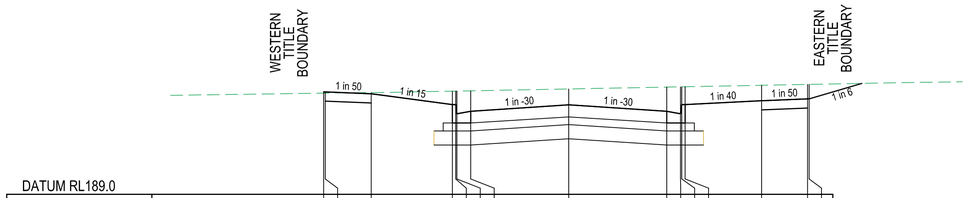
MUNICIPALITY: WHITTLESEA
REFERENCE: 9365 E/24

SCALE AS SHOWN | DATUM AHD | DATE MAR'21 | SHEET 2 OF 7 | B

J:\H9365\Engi\Stage 24\E24_R02_NOTE.dgn
Plotted: 07/06/2021


EXISTING STAGE 6A
STAGE 24
LIMIT OF WORKS
STAGE 24
FUTURE STAGE 25
LIMIT OF WORKS
RIGHT TITLE BOUNDARY EXISTING SURFACE
LEFT TITLE BOUNDARY EXISTING SURFACE
CENTRELINE EXISTING SURFACE
DESIGN CL
LIP OF KERB
I.P. 188.810
I.P. 189.122
I.P. 189.927
I.P. 191.000
VC LENGTH
DESIGN GRADELINE
-4.47%
0.52%
0.50%
1.55%
3.75%
DATUM 187

| | | |



DATUM RL189.0

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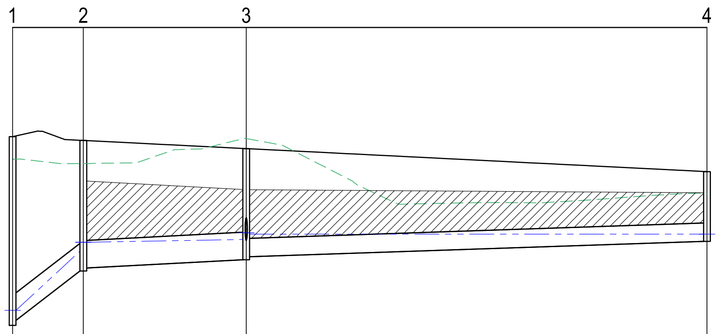
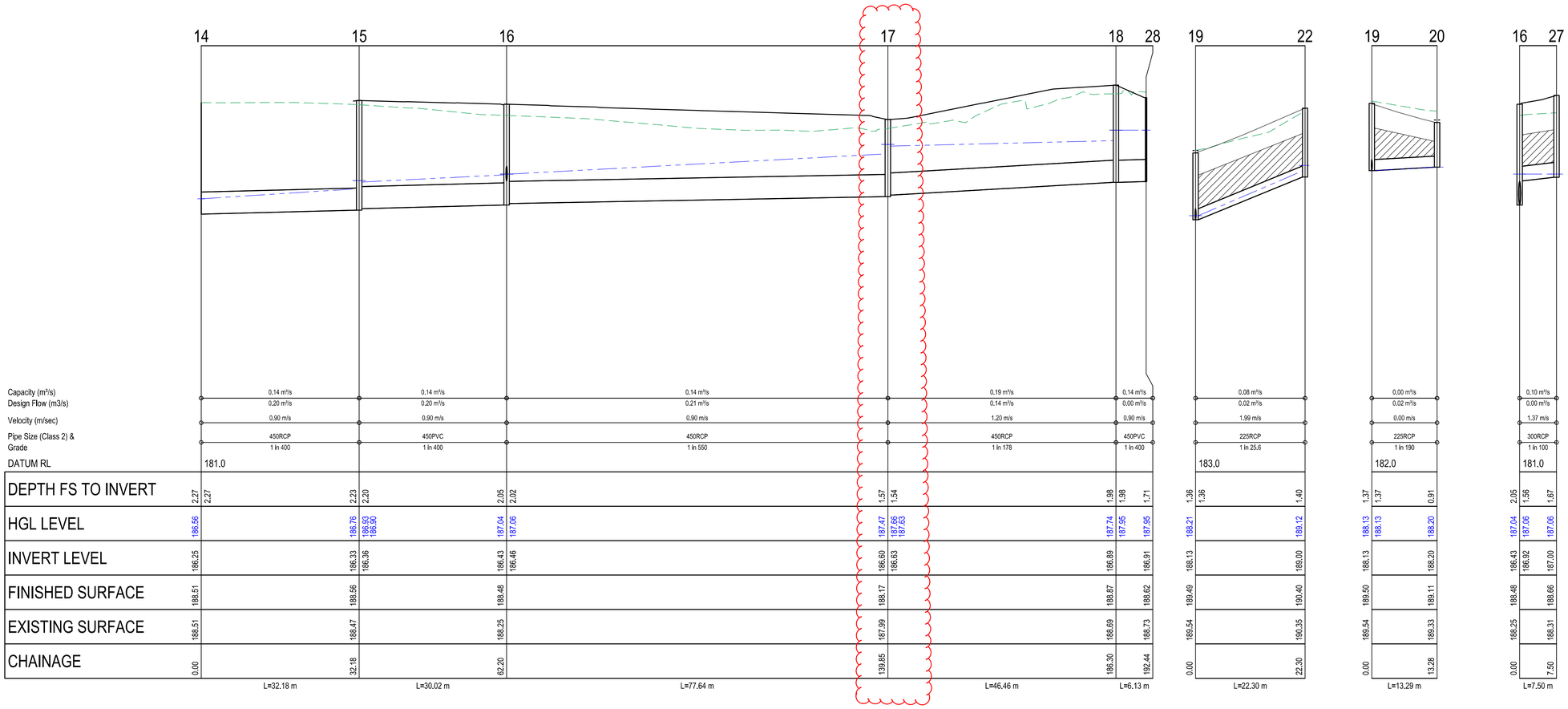


Capacity (m³/s)	0.75 m³/s	0.20 m³/s	0.06 m³/s
Design Flow (m3/s)	0.21 m³/s	0.14 m³/s	0.00 m³/s
Velocity (m/sec)	4.74 m/s	1.27 m/s	0.79 m/s
Pipe Size (Class 2) & Grade	450RCP 1 in 14.3	450RCP 1 in 200	300RCP 1 in 300
DATUM RL	182.0		

| | | |



PIT SCHEDULE

PIT No.	PIT DESCRIPTION	LENGTH	WIDTH	INLET		OUTLET		TOP	DEPTH	REMARKS
				INVERT	DIA	INVERT	DIA	PIT RL	INVERT	
1	END PIPE			186.52	450			189.51	3.08	CONNECT TO EXISTING PIT
2	GRATED PIT	900	600	186.67	450	186.64	450	189.45	2.80	GAA STD DWG EDCM605 (GRATED COVER)
3	GRATED PIT	900	600	186.76	450	186.76	450	189.31	2.55	GAA STD DWG EDCM605 (GRATED COVER)
				187.81	375					
4	GRATED PIT	900	600			186.95	450	188.94	1.99	GAA STD DWG EDCM605 (GRATED COVER)
5	GRATED PIT	900	600	188.08	375	188.05	375	189.86	1.80	GAA STD DWG EDCM605 (GRATED COVER)
6	GRATED ENTRY PIT	900	600	188.16	300	188.13	375	189.84	1.72	GAA STD DWG EDCM601
				188.16	300					
7	GRATED ENTRY PIT	900	600	188.27	300	188.22	300	189.90	1.68	GAA STD DWG EDCM601
			1050	188.25	300					
8	GRATED ENTRY PIT	900	600	188.62	300	188.57	300	190.07	1.50	GAA STD DWG EDCM601
9	GRATED ENTRY PIT	900	600	188.95	300	188.90	300	190.36	1.46	GAA STD DWG EDCM601
				188.95	300					
10	END PIPE					189.09	300	190.53	1.44	CAP END FOR FUTURE CONNECTION
11	JUNCTION PIT	900	600	188.40	300	188.37	300	189.95	1.58	GAA STD DWG EDCM605
12	JUNCTION PIT	900	600	188.55	300	188.52	300	189.69	1.17	GAA STD DWG EDCM605
13	JUNCTION PIT	900	600			189.55	300	191.02	1.47	GAA STD DWG EDCM605
14	END PIPE			186.25	450			188.51	2.27	CONNECT TO EXISTING PIT
15	JUNCTION PIT	900	600	186.36	450	186.33	450	188.56	2.23	GAA STD DWG EDCM605
16	JUNCTION PIT	900	600	186.46	450	186.43	450	188.48	2.05	GAA STD DWG EDCM605
				186.92	300					
17	JUNCTION PIT	900	600	186.63	450	186.60	450	188.17	1.57	GAA STD DWG EDCM605
18	JUNCTION PIT	900	600	186.89	450	186.89	450	188.87	1.98	GAA STD DWG EDCM605
19	END PIPE			188.13	225			189.50	1.37	CAP END FOR FUTURE CONNECTION
20	JUNCTION PIT	900	600			188.20	225	189.11	0.91	GAA STD DWG EDCM605
21	END PIPE			188.13	225			189.49	1.36	CAP END FOR FUTURE CONNECTION
22	JUNCTION PIT	900	600			189.00	225	190.40	1.40	GAA STD DWG EDCM605
23	GRATED ENTRY PIT	900	600	188.32	300	188.27	300	189.81	1.54	GAA STD DWG EDCM601
				188.32	225					
24	END PIPE					188.37	300	190.00	1.63	CAP END FOR FUTURE CONNECTION
25	GRATED ENTRY PIT	900	600			189.05	300	190.41	1.36	GAA STD DWG EDCM601
26	JUNCTION PIT	900	600			188.50	225	189.66	1.16	GAA STD DWG EDCM605
27	GRATED PIT	900	600			187.00	300	188.66	1.67	GAA STD DWG EDCM605 (GRATED COVER)
28	END PIPE					186.91	450	188.62	1.71	CONNECT TO EXISTING PIT IN AMBER ESTATE

AS CONSTRUCTED

AMENDMENTS			
VER	DATE	REMARKS	
F	08.12.21	PIT 17 UPDATED	
E	12.10.21	LS 16-27 & SCHEDULE UPDATED	
D	06.10.21	DRAINAGE LS AND SCHEDULE UPDATED	
A	05.06.21	ISSUE 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. 388-C-10
SURVEY BPD
DESIGN RGW
DRAWN RGW
CHECKED

RATHDOWNE ESTATE
STAGE 24

MUNICIPALITY: WHITTLESEA
REFERENCE: 9365 E/24

SCALE AS SHOWN | DATUM AHD | DATE MAR'21 | SHEET 6 OF 7 | E

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Plotted: 8/12/2021

SIGNAGE & LINE MARKING PLAN

SCALE 1:500

SIGNAGE LEGEND

A STREET SIGNS (2 No) AT CENTRE OF ROUNDABOUT

B ROAD CLOSED SIGN (G9-20) WITH OBSTRUCTION MARKER SIGN (D4-5) - CLASS 1

ROAD CLOSED G9-20 D4-5

North

AS CONSTRUCTED

AMENDMENTS			
A	05.06.21	ISSUE FOR CONSTRUCTION	
VER	DATE	REMARKS	

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MELWAY REF.	388-C-10
SURVEY	BPD
DESIGN	RGW
DRAWN	RGW
CHECKED	

RATHDOWNE ESTATE
STAGE 24

MUNICIPALITY: WHITTLESEA

REFERENCE: 9365E/24

SCALE AS SHOWN | DATUM AHD | DATE MAR'21 | SHEET 6 OF 7 | B

Plotted: 20/08/2021

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