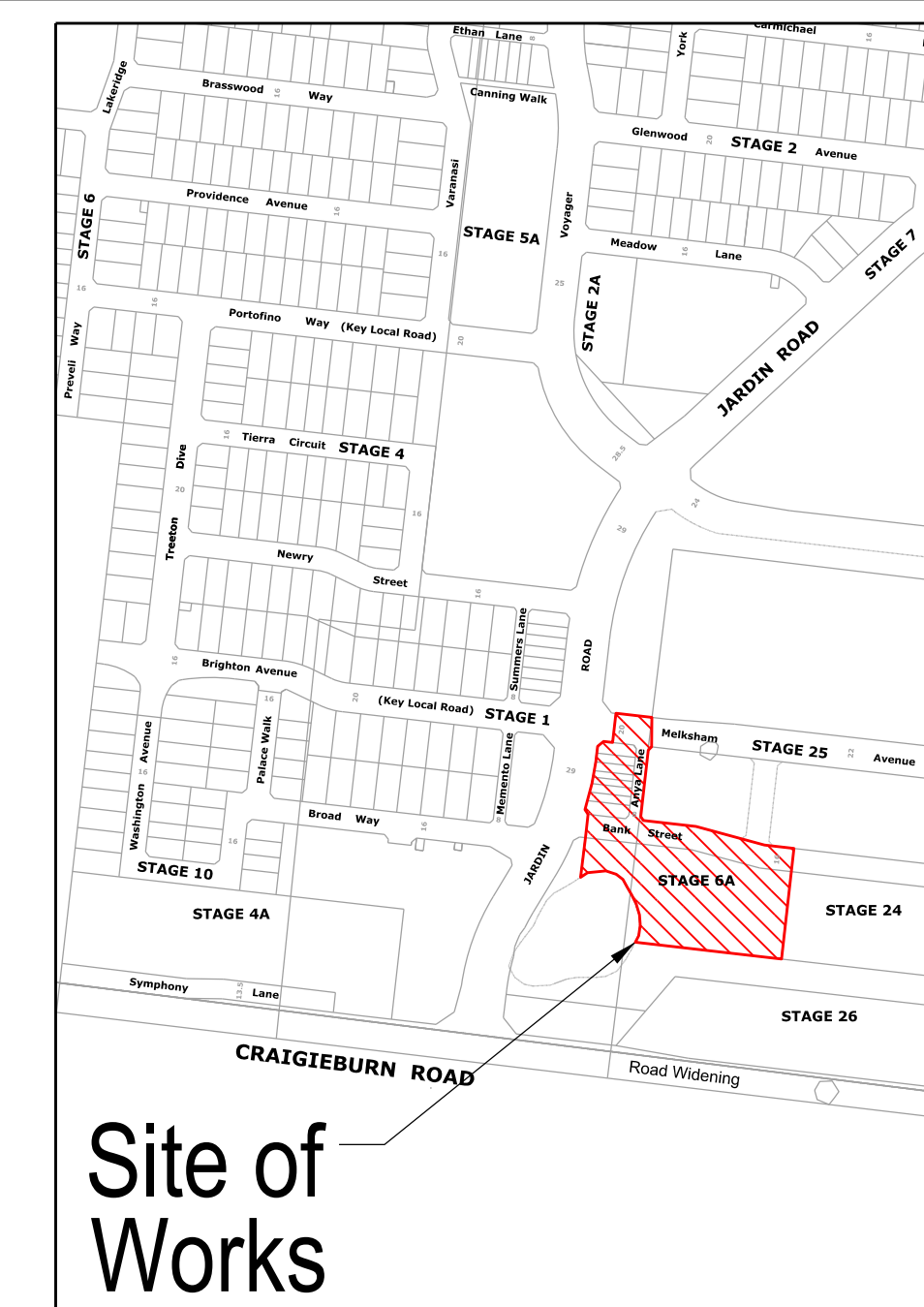



Location	Gas	Water		Communications		Electricity		BOK	Road Width	Joint Trenching	Street Classification
		NDW	DW	Cables	Pits	Cables	Poles				
MELKSHAM AVENUE	4.30S	4.80S	5.30S	1.80N	1.80N	2.60N	1.00 BOK	5.45N/6.95S	20	G&W,FTTH&E	LEVEL 1
BANK STREET	2.10S	2.55S	3.05S	1.80N	1.70S/1.80N	2.60N	1.00 BOK	4.35N/4.05S	16	G&W,FTTH&E	LEVEL 1
ANYA LANE							1.00 BOK		8		ACCESS LANE



Site of Works














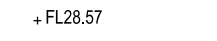

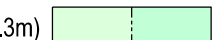

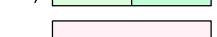





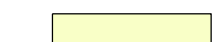







SHEET INDEX


SHT No.	VER	DESCRIPTION
1	C	DETAIL PLAN & SERVICES SCHEDULE
2	A	NOTES AND TYPICAL SECTIONS SHEET 1 OF 1
3	A	BANK LONGITUDINAL SECTION
4	A	BANK STREET CROSS SECTIONS
5	B	MELKSHAM AVENUE LONGITUDINAL SECTION & CROSS SECTIONS
6	A	ANYA LANE LONGITUDINAL AND CROSS SECTIONS
7	C	DRAINAGE LONGITUDINAL SECTIONS SHEET 1 OF 1
8	A	SIGNAGE AND LINEMARKING PLAN

AS CONSTRUCTED

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.

1. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT THE DIGITAL PLAN, PROVIDED FOR SETOUT PURPOSES, MATCHES THE TBM COORDINATES SHOWN.

- ## SYMBOL LEGEND
- | | | | | |
|--|---|---|---|---|
| Drains |  | Ex/Natural/FS Level |  +26.57 |  +25.57 |
| Sewer < 300Ø |  | FS @ Building Line |  +BL26.57 | |
| Sewer ≥ 300Ø |  | Top/Toe of Batter |  +TOP26.57 |  +TOE26.57 |
| Water (DW) |  | Top Ret. Wall Level |  +TW26.57 | |
| Water (NDW) |  | 100yr Flood Level |  +FL26.57 | |
| Drain |  | Fill Proposed (<0.3m/±0.3m) |  | |
| Property Inlet |  | Cut Proposed |  | |
| Street Sign |  | Asphalt Surface Prop |  | |
| PSM |  | Concrete Surface Prop (Paths/Driveways/Slabs) |  | |
| Rock Ret Wall |  | Tree To Be Removed |  | |
| Sleeper Ret Wall |  | Tree To Be Retained with Tree Protection Zone (TPZ) |  | |
| Conduits 50mm |  | | | |
| Conduits 100mm |  | | | |
| Street Tree without with Passive Irrigation (Refer Detail) |  | | | |
| Ex Drains |  | | | |
| Ex Water DW/NDW |  | | | |
| Ex Sewer/Gas |  | | | |
| Ex Elect/Telecomm |  | | | |

AMENDMENTS					breese pitt dixon pty. ltd. land surveyorscivil engineers				1/19 cato street hawthorn east, 3121 telephone 8823 2310 fax no. 8823 2310				
			MELWAY REF.	388-C-10	RATHDOWNE ESTATE STAGE 6A DETAIL PLAN				MUNICIPALITY				
C	30.11.20	OUTFALL CHANNEL AMENDMENTS	SURVEY	BPD					WHITTLESEA				
B	26.10.20	VARIOUS AMENDMENTS	DESIGN	RGW					REFERENCE				
A	14.10.20	ISSUE FOR CONSTRUCTION	DRAWN	RGW					9365 E/6A				
VER	DATE	REMARKS	CHECKED	SCALE	AS SHOWN	DATUM	AHD	DATE	JUL'20	SHEET	1	OF	8

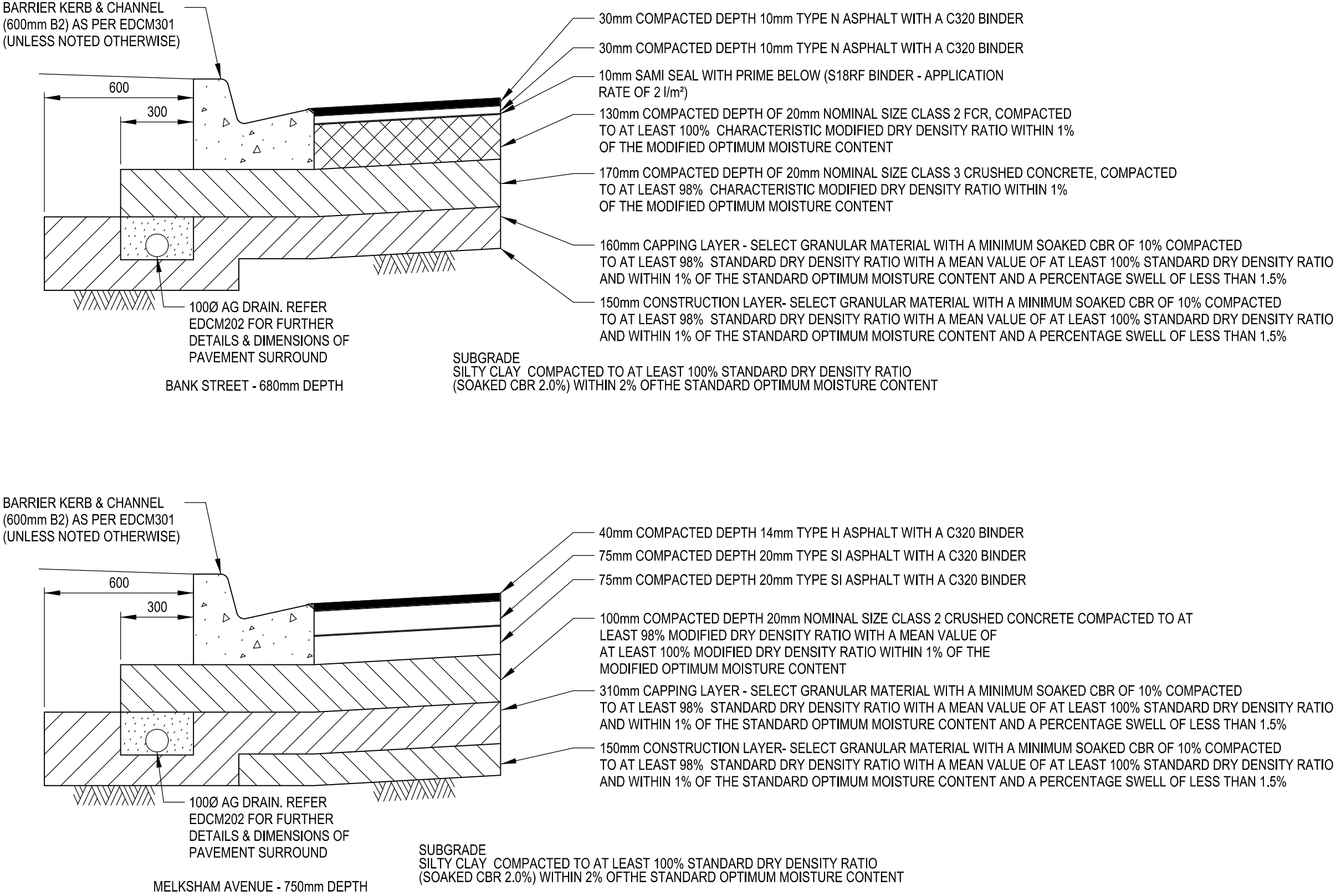
..\\H9365\\Enr\\Stage 6A\\E6A_R01_DET.d

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 EDM601-608 FOR FURTHER DETAILS.
4. ALL PIPES TO BE CLASS 2 UNLESS OTHERWISE SPECIFIED AND SHALL BE R/RJ 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 (R/RJS 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 ENROACH 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 BE PLACED BEHIND ALL KERB AND CHANNEL AND BUFFER PITCHERS AND WHERE DIRECTED BY THE ENGINEER REFER TO STD DRG EDM202).
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 CONCRETE 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/BNB 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 EDM501 & 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 EDM403. 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 INCLUDING THE FOLLOWING
- RING LOCK WIRE MESH MINIMUM 1.20m HIGH (STD DRG SDL2.02)
- 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 VISIBILITY 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 SDL2.03)

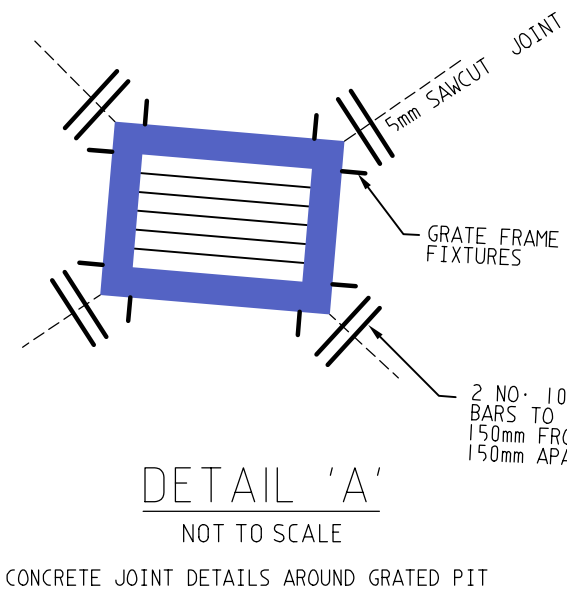
NO EXCAVATION SHALL BE CARRIED OUT WITHIN 5.0m OF ANY TREE UNTIL APPROVAL IS GIVEN BY THE ENGINEER.
37. PROVIDE 1.8m HIGH PALING FENCE ALONG ANY COMMON BOUNDARY BETWEEN A LOT AND MUNICIPAL RESERVE. FENCING TO BE ERECTED BY THE DEVELOPER (OR OWNER) AT NO COST TO COUNCIL. PALINGS TO BE ON THE RESERVE SIDE AND CONSTRUCTED IN ACCORDANCE WITH COUNCIL STANDARD DRAWING SDL3.09 & SDL3.10.
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 (TGS) 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 EDM202 FOR FURTHER AG, SERVICE CONDUIT AND TRENCH BACKFILL DETAILS

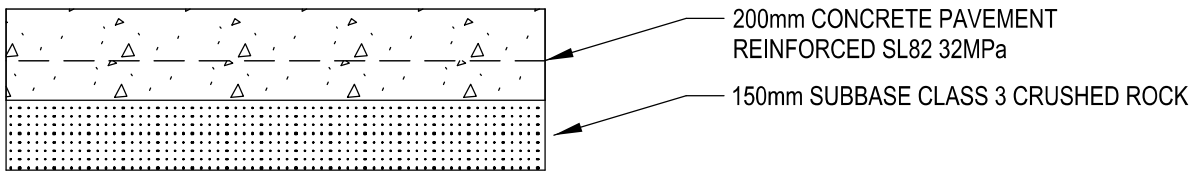
PAVEMENT COMPOSITION

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

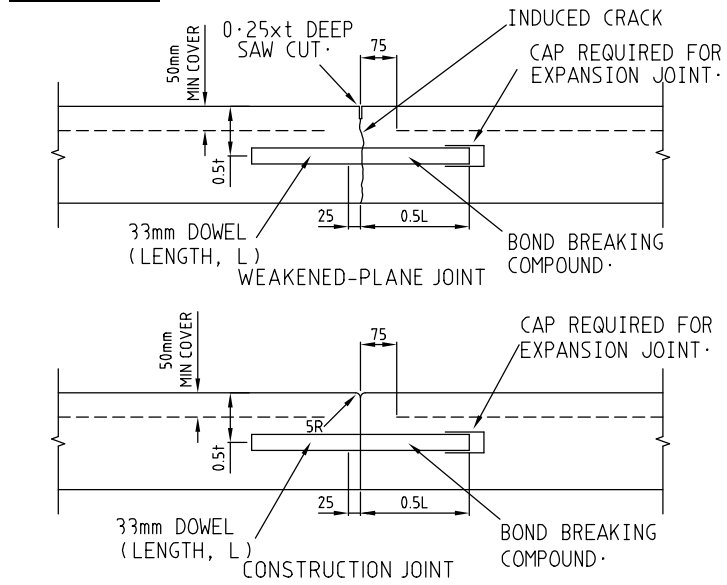


ANYA LANE - 350mm DEPTH
PAVEMENT COMPOSITION

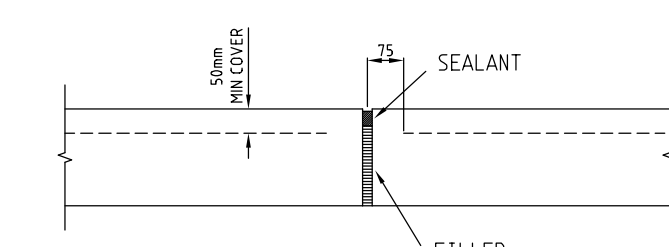
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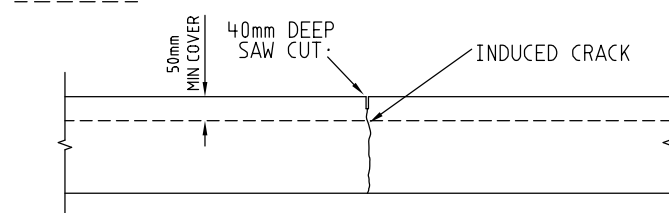
TRANSVERSE CONSTRUCTION JOINT (CJ)



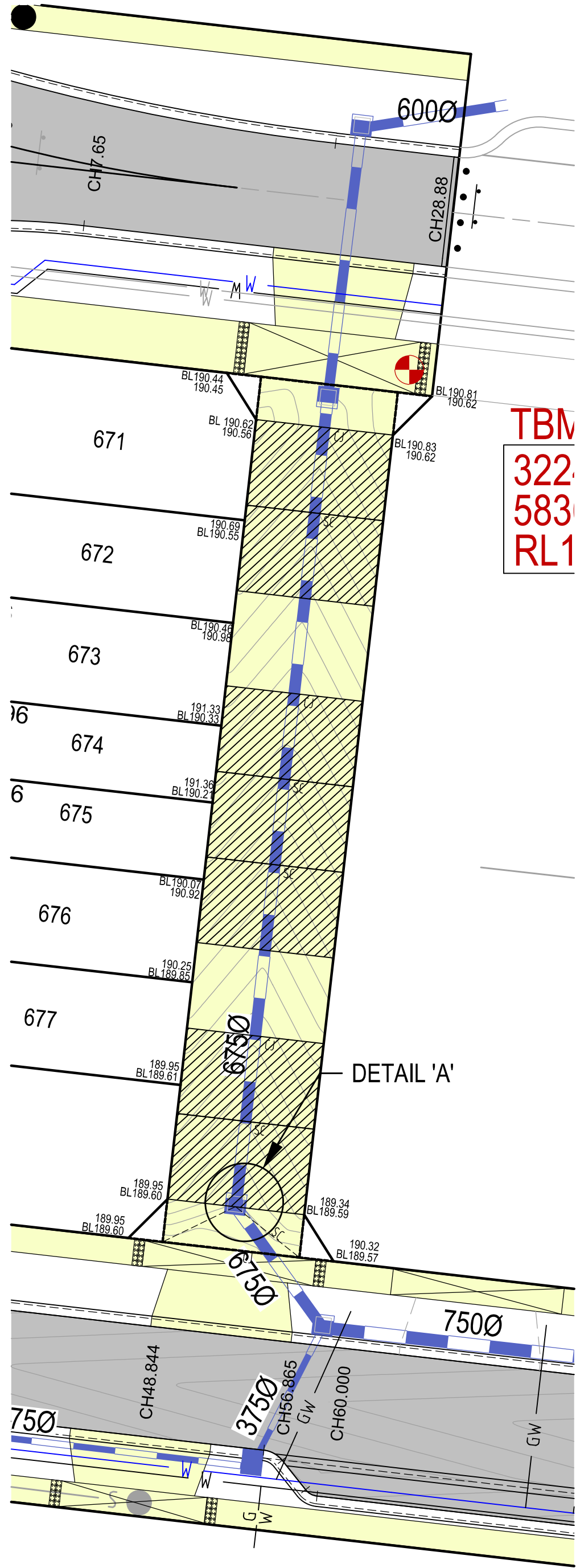
ISOLATION JOINT (ISJ)




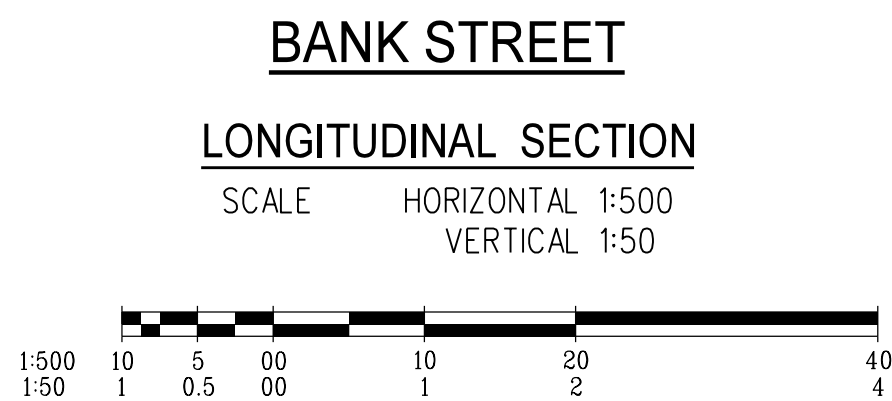
SAW CUT (SC)




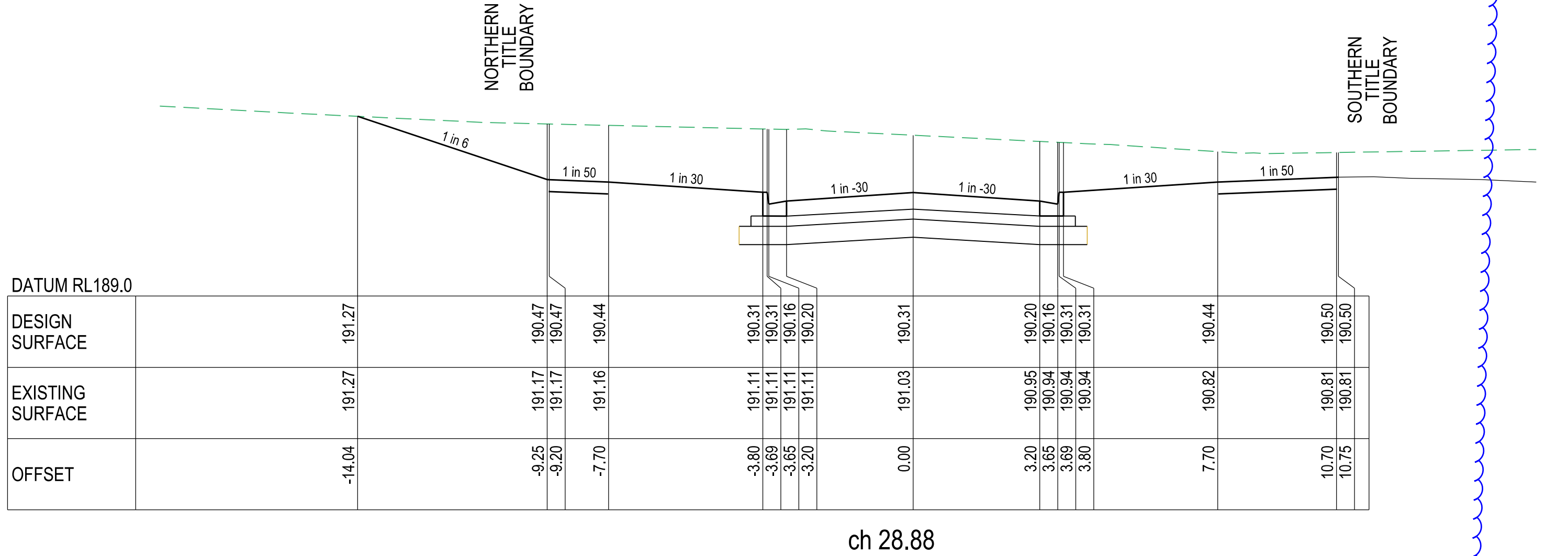
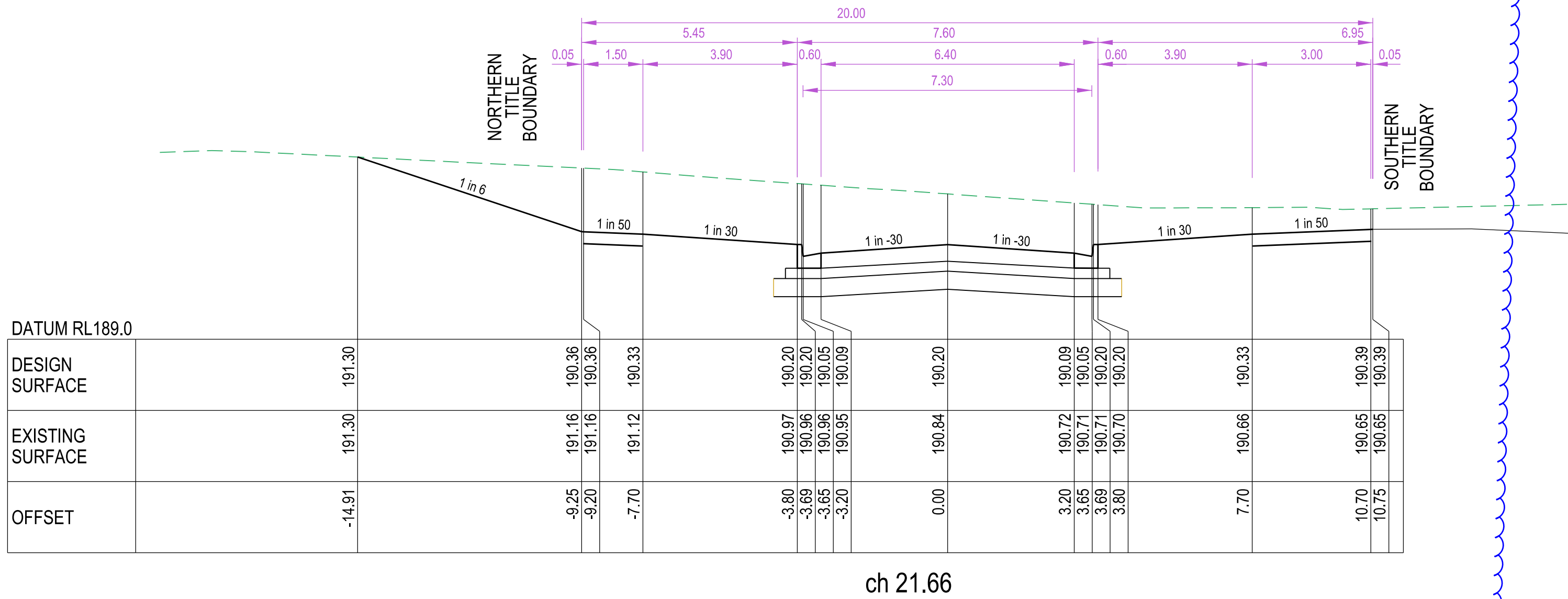
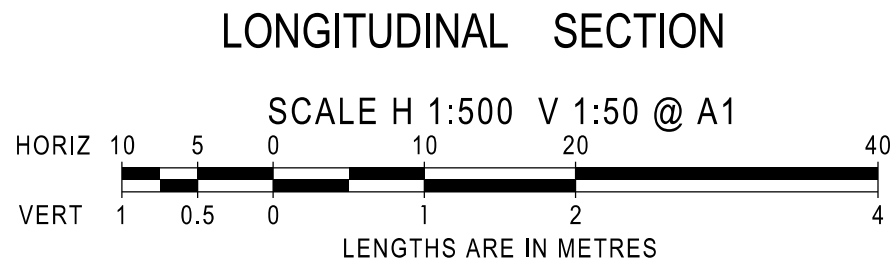
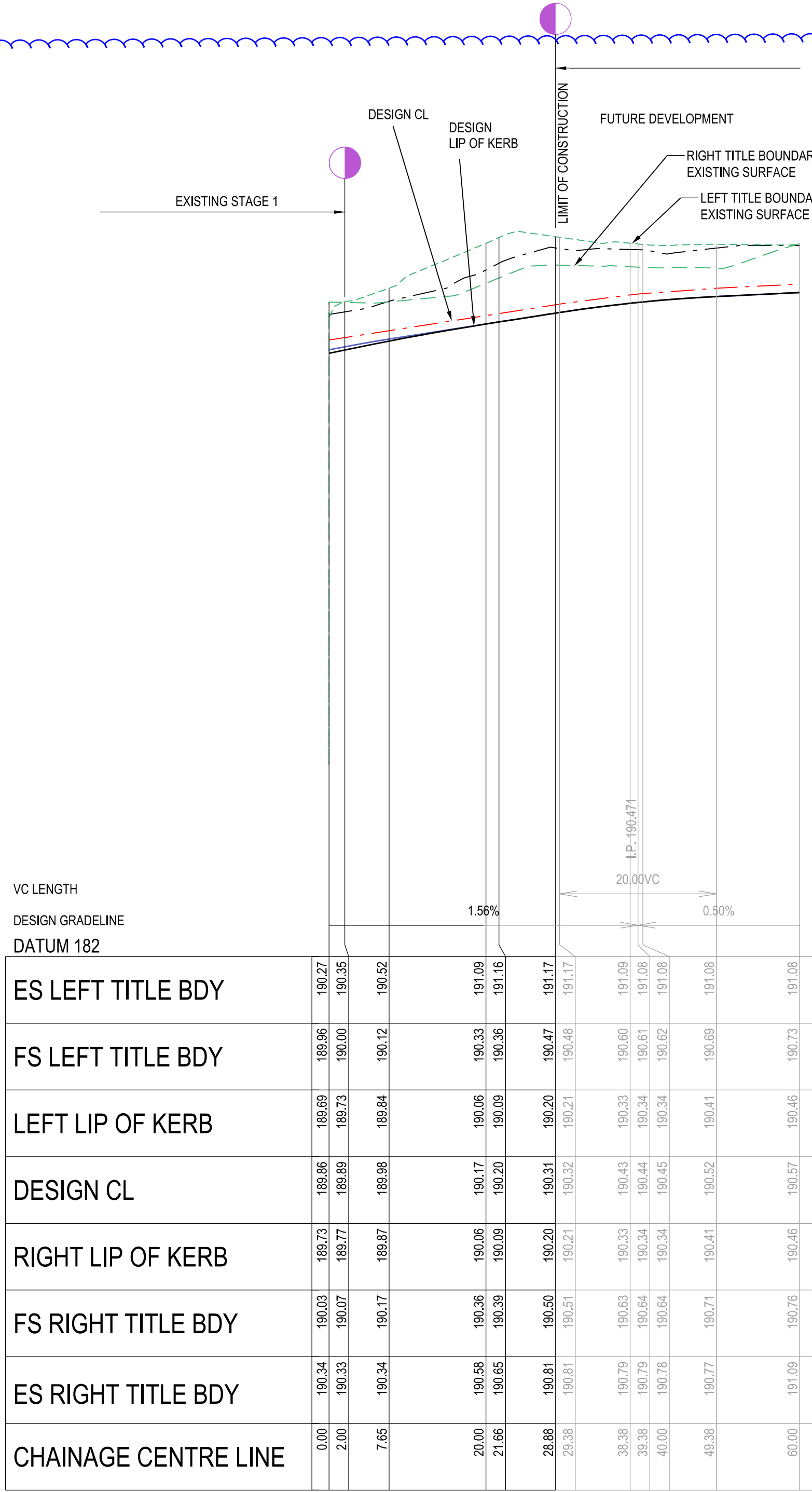
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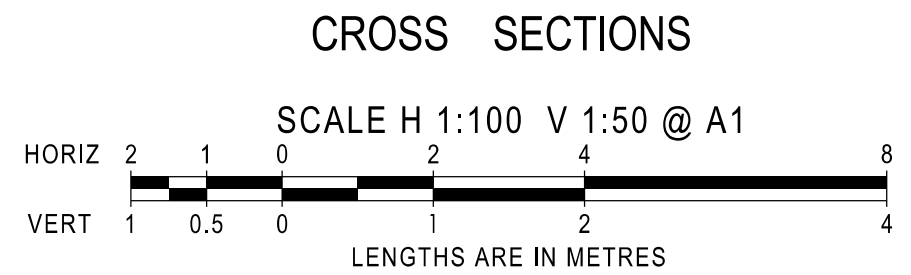
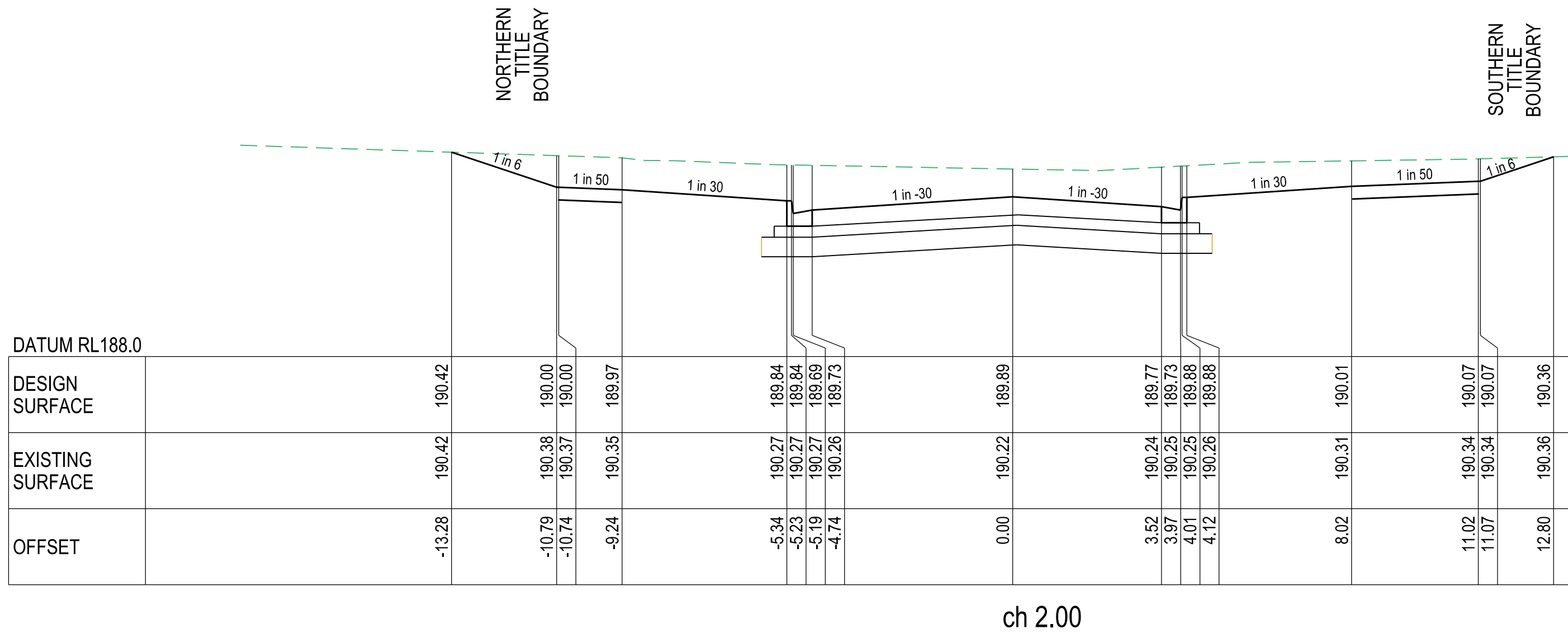
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			MELWAY REF.	388-C-10	RATHDOWNE ESTATE STAGE 6A				MUNICIPALITY						
			SURVEY	BPD					WHITTLESEA						
B	02.06.21	CRUSHED CONCRETE ADDED TO PAVEMENT MAKEUP	DESIGN	RGW					REFERENCE						
A	14.10.20	ISSUE FOR CONSTRUCTION	DRAWN	RGW					9365 ^E /6A						
VER	DATE	REMARKS	CHECKED		SCALE	AS SHOWN	DATUM	AHD	DATE	JUL'20	SHEET	2 OF 8	B		




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. 388-C-10	RATHDOWNNE ESTATE STAGE 6A			MUNICIPALITY
					SURVEY BPD				WHITTLESEA
					DESIGN RGW				REFERENCE
	A	14.10.20	ISSUE FOR CONSTRUCTION		DRAWN RGW				9365 ^E /6A
VER	DATE	REMARKS	CHECKED	SCALE AS SHOWN	DATUM AHD	DATE JUL'20	SHEET 3 OF 8	A	

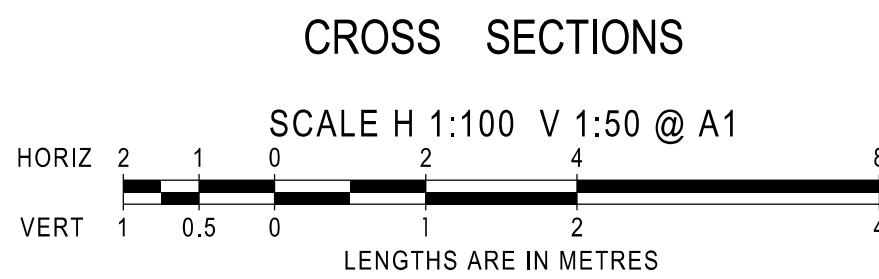
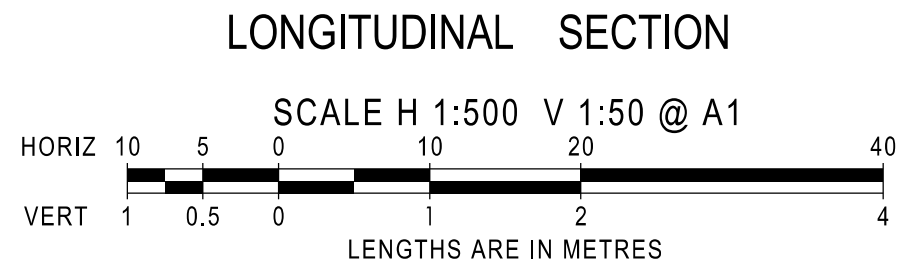
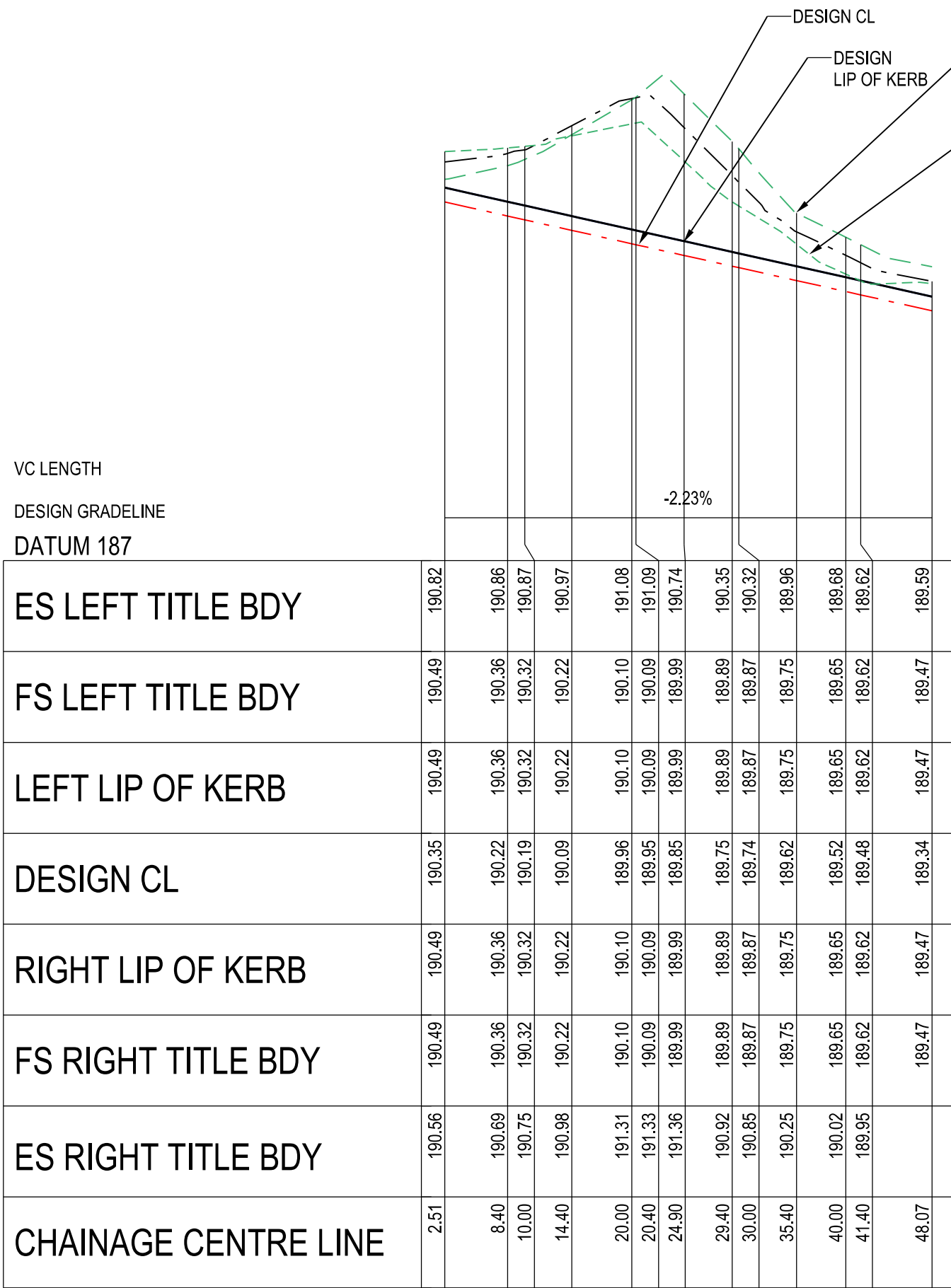


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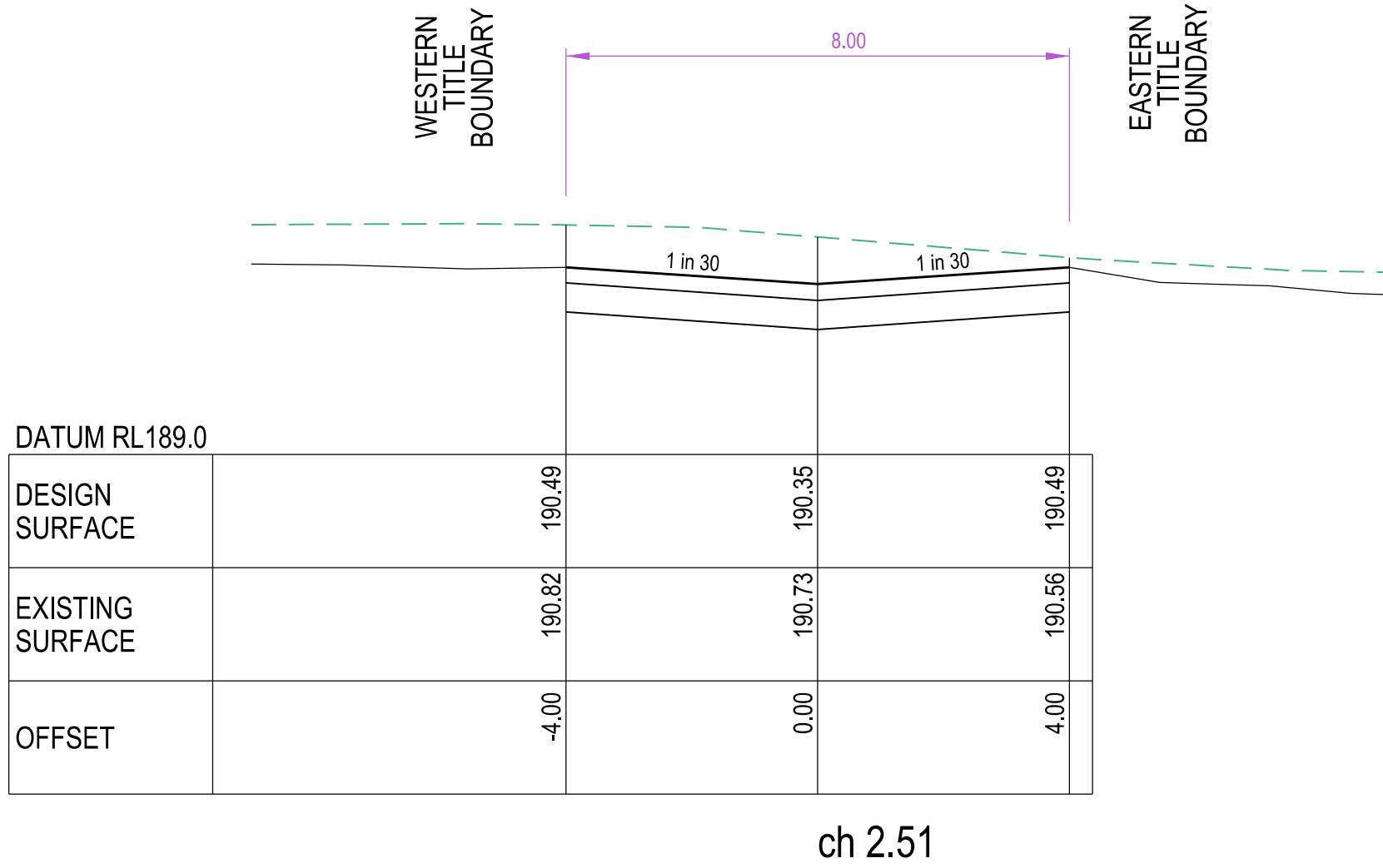


MELKSHAM AVENUE

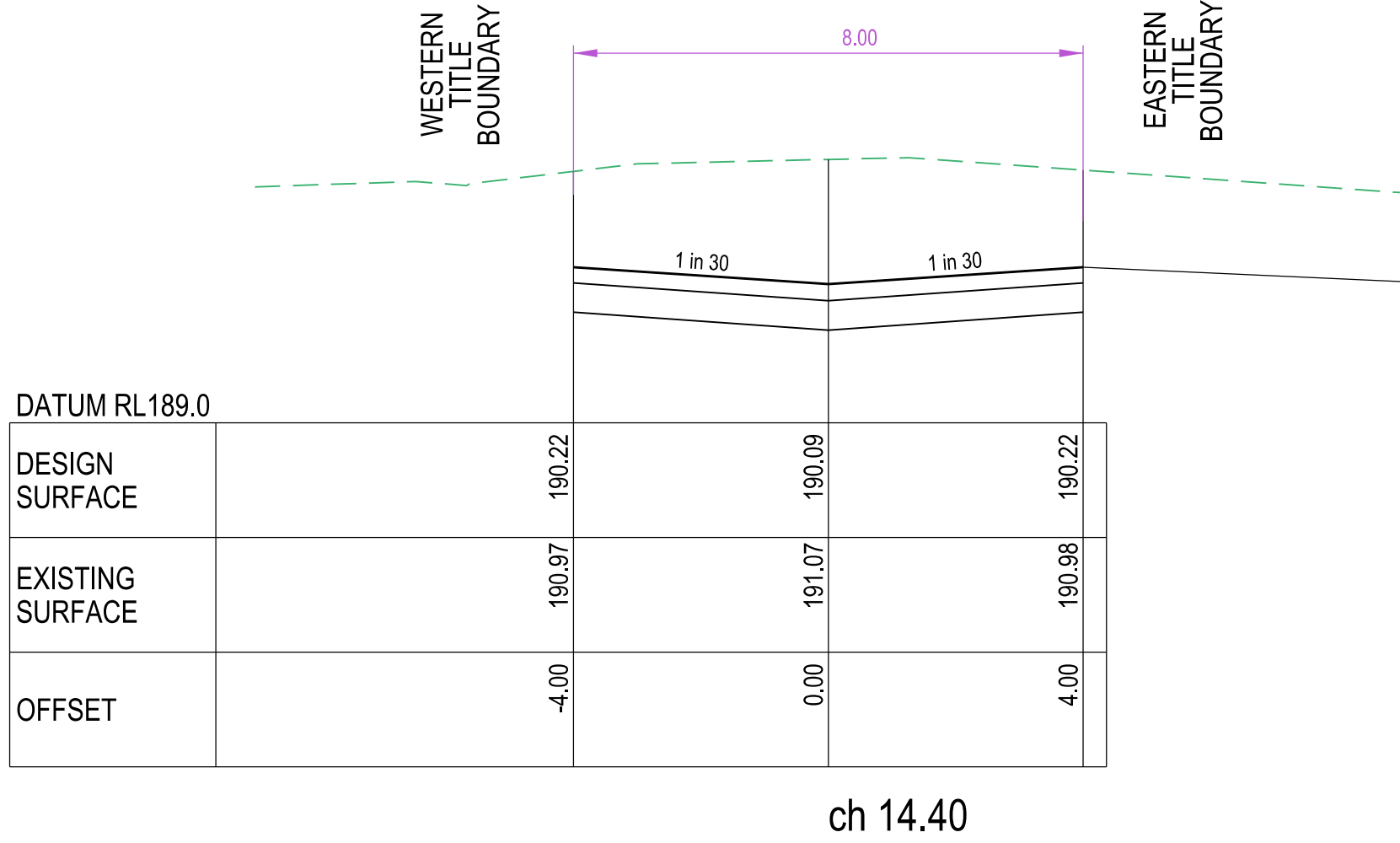
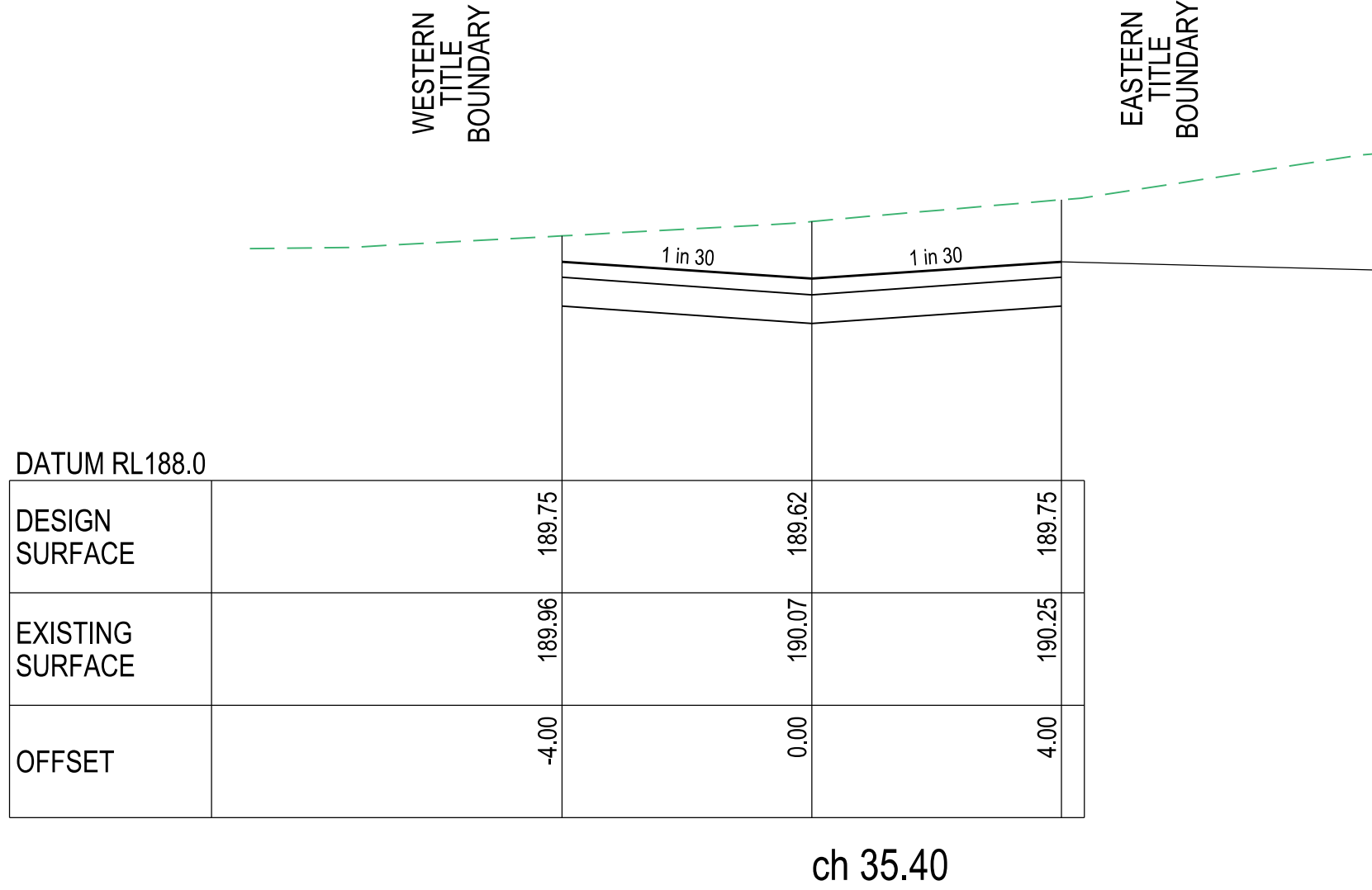
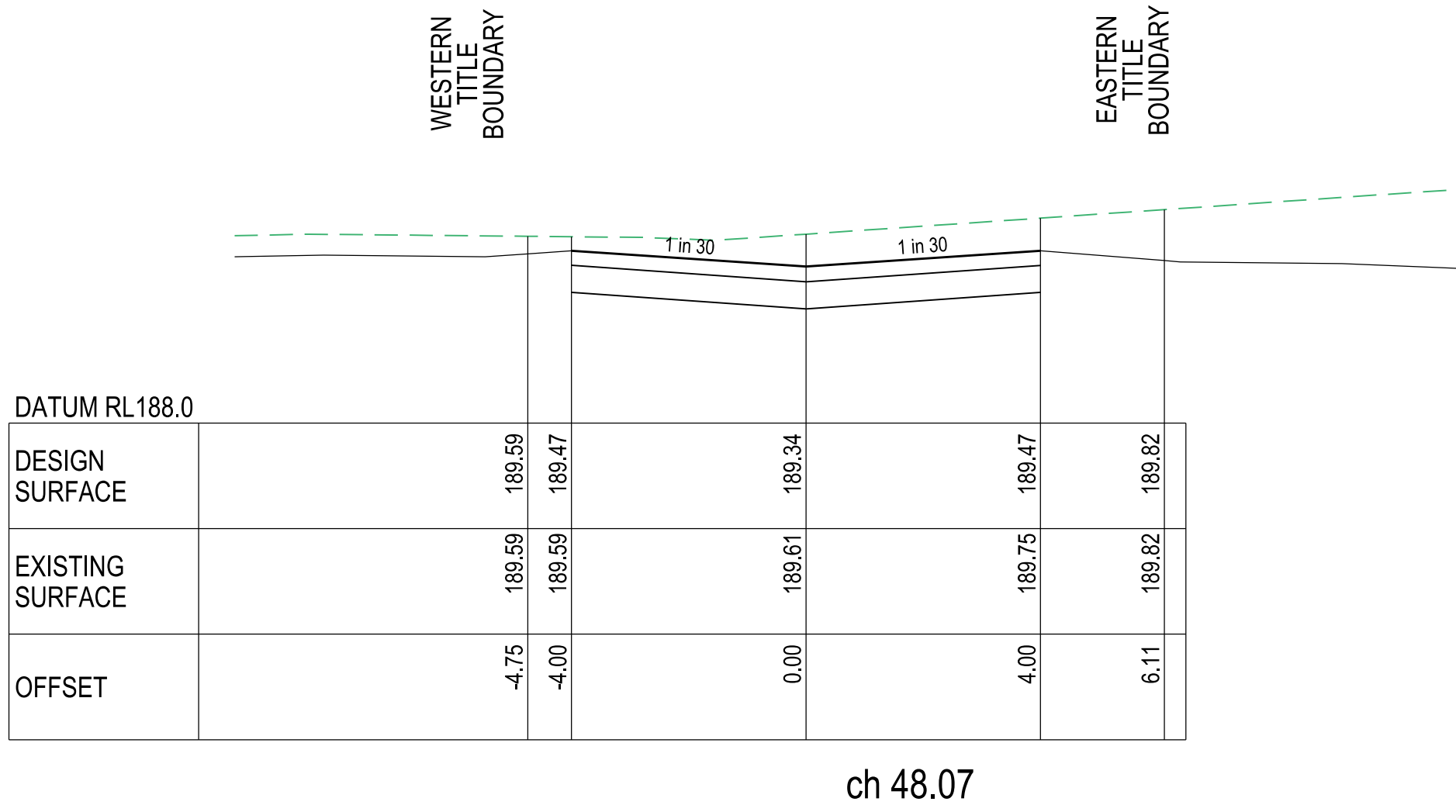
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B	01.02.20	CROSS SECTIONS AMENDED	MELWAY REF.	388-C-10	RATHDOWNE ESTATE STAGE 6A MELKSHAM AVENUE LONGITUDINAL AND CROSS SECTIONS			MUNICIPALITY
			SURVEY	BPD				WHITTLESEA
A	14.10.20	ISSUE FOR CONSTRUCTION	DESIGN	RGW				REFERENCE
VER	DATE	REMARKS	CHECKED		SCALE	AS SHOWN	DATUM	AHD
					DATE	JUL'20		
					SHEET	5 OF 8		




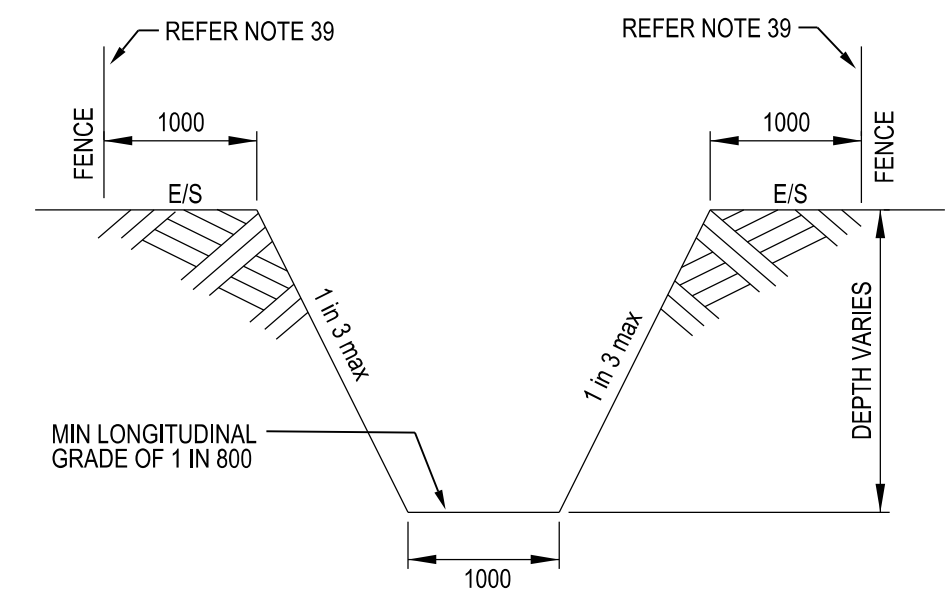
ANYA LANE



AS CONSTRUCTED



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.	388-C-10	RATHDOWNE ESTATE STAGE 6A		MUNICIPALITY
				SURVEY	BPD			WHITTLESEA
				DESIGN	RGW			REFERENCE
A	14.10.20	ISSUE FOR CONSTRUCTION		DRAWN	RGW	9365 E/6A		
VER	DATE	REMARKS	CHECKED	SCALE	AS SHOWN	DATUM	AHD	DATE
								JUL'20
				SHEET	6	OF	8	A



TEMPORARY OUTFALL CHANNEL DETAIL

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

GRADE OUTFALL DRAIN AT
1:1000 TO FREE OUTLET
(APPROX 100m)

PROVIDE TEMPORARY SANDBAG
END WALL AND 200mm MIN SIZE
ROCKFALLS (5.0 LN M) FOR
ANTI-SCOUR PROTECTION.
PROVIDE CONCRETE GRABLES AS
PER MW STD. DRG. 7251/8/105

VELOCITY (m/sec)

DESIGN (m³/s)

CAPACITY (m³/s)

DIAMETER AND TYPE (CLASS 2)

GRADE

DATUM RL

DEPTH FS TO INVERT

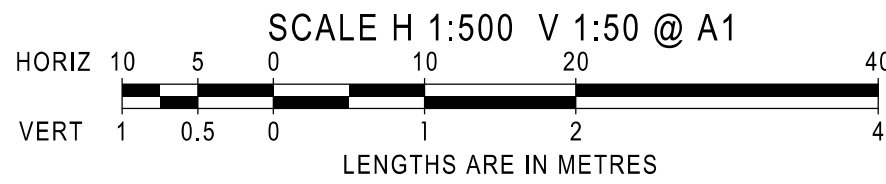
HGL LEVEL

INVERT

FINISHED SURFACE

NATURAL SURFACE

CHAINAGE




INDICATES CRUSHED ROCK BACKFILL

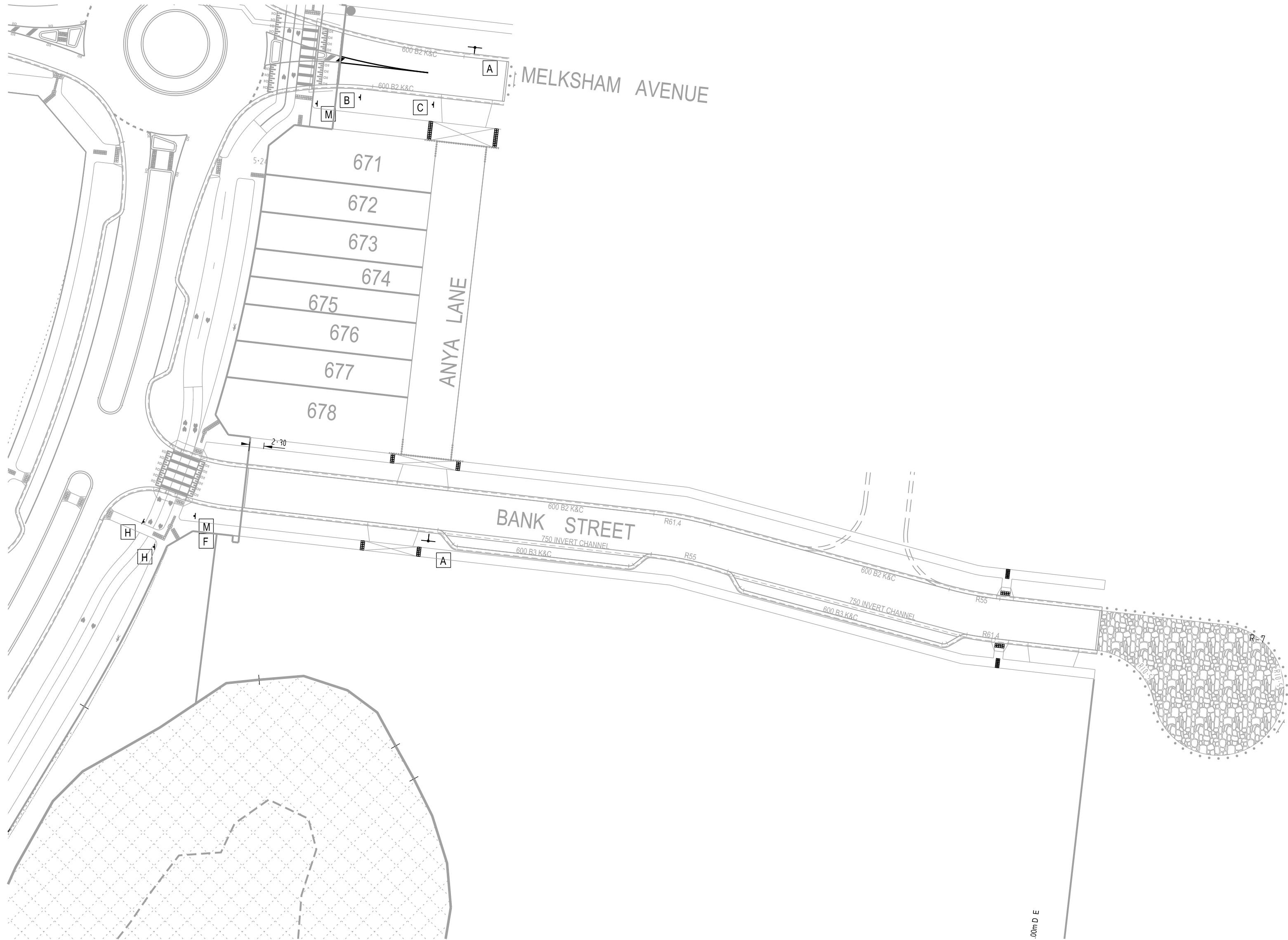
INDICATES SYR HGL

PIT SCHEDULE

PIT No.	PIT DESCRIPTION	LENGTH	WIDTH	INLET		OUTLET		TOP PIT RL	DEPTH INVERT	REMARKS
				INVERT	DIA	INVERT	DIA			
0	END PIPE					186.27	825			GRADE TO FREE OUTLET
1	JUNCTION PIT	900	1050	186.35	825			188.65	2.29	GAA STD DWG EDCM607 (HAUNCHED)
				187.30	300					PROVIDE 300 BLOCKOUT IN WESTERN SIDE OF PIT
2	JUNCTION PIT	900	900	186.54	750	186.52	750	189.52	3.00	GAA STD DWG EDCM607 (HAUNCHED)
3	JUNCTION PIT	900	900	186.60	750	186.58	750	189.59	3.01	GAA STD DWG EDCM607 (HAUNCHED)
				188.16	300					
4	GRADED ENTRY PIT	900	900	186.65	750	186.63	750	189.53	2.90	GAA STD DWG EDCM601&607 (HAUNCHED)
5	GRADED ENTRY PIT	900	900	186.80	750	186.77	750	189.28	2.51	GAA STD DWG EDCM601&607 (HAUNCHED)
6	JUNCTION PIT	900	900	186.94	675	186.89	750	189.13	2.24	GAA STD DWG EDCM607 (HAUNCHED)
				187.06	300					
7	GRADED PIT	900	900	187.08	675	187.03	675	189.34	2.31	GAA STD DWG EDCM607 (HAUNCHED/GRADED COVER)
8	GRADED PIT	900	900	187.93	675	187.86	675	190.40	2.54	GAA STD DWG EDCM607 (HAUNCHED/GRADED COVER)
9	JUNCTION PIT	900	900	188.06	600	187.99	675	190.24	2.25	GAA STD DWG EDCM607 (HAUNCHED)
10	END PIPE	900	900	188.21	600	188.16	600	190.29	2.13	CAP END FOR FUTURE CONNECTION
14	GRADED ENTRY PIT	900	600	187.14	300	187.09	300	189.11	2.02	GAA STD DWG EDCM601
15	END PIPE	900	600			187.245	300	188.997	1.752	GRADE TO FREE OUTLET
16	GRADED ENTRY PIT	900	600			188.225	300	189.532	1.307	GAA STD DWG EDCM601
17	JUNCTION PIT	900	1050	186.456	750	186.436	825	189.13	2.695	GAA STD DWG EDCM607 (HAUNCHED)


AS CONSTRUCTED

AMENDMENTS					breese pitt dixon pty. ltd. land surveyors civil engineers		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
C	30.11.20	OUTFALL STUB ADDED	MELWAY REF.	388-C-10	RATHDOWNE ESTATE STAGE 6A DRAINAGE LONG SECTIONS		MUNICIPALITY WHITTLESEA REFERENCE 9365 E/6A	
B	29.10.20	DRIANGE AMENDED VARIOUS	SURVEY	BPD				
A	14.10.20	ISSUE FOR CONSTRUCTION	DESIGN	RGW				
VER	DATE	REMARKS	CHECKED		SCALE	AS SHOWN	DATUM	AHD
					DATE	JUL'20	SHEET	7 OF 8



SIGNAGE LEGEND	
A	STREET SIGNS (2 No) AT CENTRE OF ROUNDABOUT
B	ROUNDAABOUT SIGN (R1-3A) - CLASS 1
C	ROUNDAABOUT AHEAD WARNING SIGN (W2-7A) CLASS 1
D	KEEP LEFT (R2-3AL) - CLASS 1
E	CHEVRON SIGNS (D4-1-3)
F	GIVE WAY SIGN (R1-2A) - CLASS 1
G	ROAD CLOSED SIGN (G9-20) WITH OBSTRUCTION MARKER SIGN (D4-5) - CLASS 1
H	SHARED FOOTWAY/BICYCLE PATH SIGN (R8-2A) - CLASS 1
I	SHARED FOOTWAY/BICYCLE PATH SIGN (R8-2A) WITH END SIGN (R7-4A) - CLASS 1
J	ROAD AHEAD SIGN (W6-8A) - CLASS 1
K	PEDESTRIAN CROSSING SIGN (R3-1A) - CLASS 1
L	BICYCLE PEDESTRIAN WARNING SIGN (W6-9A) WITH CROSSING ARROW SIGN (W8-23A) BELOW. ALL CLASS 1.
M	BICYCLE PEDESTRIAN WARNING SIGN (W6-9A) WITH CROSSING ARROW SIGN (W8-23A) & ON SIDE ROAD SIGN (W8-3AL) BELOW. ALL CLASS 1.
N	BICYCLE PEDESTRIAN WARNING SIGN (W6-9A) WITH CROSSING ARROW SIGN (W8-23A) & ON SIDE ROAD SIGN (W8-3AR) BELOW. ALL CLASS 1.
O	225mm X 300mm "NO STANDING" AND "BIN AREA ONLY" SIGN TO AS1742.11
P	TURN SIGN (W1-1AL & W1-1AR) - CLASS 1 WITH 20km/h ADVISORY SPEED SIGN (W8-2A)

AS CONSTRUCTED

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.	388-C-10		RATHDOWNE ESTATE STAGE 6A				MUNICIPALITY		
			SURVEY	BPD						WHITTLESEA		
			DESIGN	RGW						REFERENCE		
A	14.10.20	ISSUE FOR CONSTRUCTION	DRAWN	RGW		9365 ^E /6A						
VER	DATE	REMARKS	CHECKED	SCALE	AS SHOWN	DATUM	AHD	DATE	JUL'20	SHEET	OF 8	A