

NOTES

- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH AS2124-1992 GENERAL CONDITIONS OF CONTRACT AND THE CITY OF MELTON AND VPA CURRENT SPECIFICATION AND STANDARD DRAWINGS AND TO THE SATISFACTION OF THE CITY OF MELTON WORKS SUPERVISOR.
- COUNCIL TO BE NOTIFIED TWO (2) CLEAR DAYS PRIOR TO COMMENCEMENT OF WORKS.
- DRAINAGE AND PITS TO BE SET OUT FROM OFFSETS SHOWN RATHER THAN FROM CENTRELINE PIPE CHAINAGES.
- ALL 150mm DIA. PIPES TO BE P.V.C., 300mm TO 750mm DIA. TO BE R.C.(RRJ) AND 825mm DIA. AND GREATER TO BE R.C.(I.U.). PIPES LAYED ON A CURVE TO BE RRJ.
- R.C. PIPES TO BE CLASS 2 & P.V.C PIPES TO BE CLASS SH UNLESS OTHERWISE SPECIFIED.
- WHERE DRAINAGE PIPES ARE LOCATED WITHIN NATURE STRIPS, THE TRENCH SHALL BE BACKFILLED WITH COMPACTED CLASS 3 F.C.R. UP TO A LEVEL WHERE THE 45deg. INFLUENCE LINE FROM THE B.O.K. INTERSECTS WITH THE NEAREST TRENCH SIDE. PROVIDE CRUSHED ROCK BACKFILL WHERE DRAINAGE CROSSES BELOW FOOTPATHS.
- PIPE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED WITH 20mm CLASS 3 CRUSHED ROCK TO A RELATIVE COMPACTION OF 97% OF THE MAXIMUM FOUND IN THE STANDARD COMPACTION TEST FOR THE FOLLOWING :
i) BENEATH THE ROAD OR DRIVEWAY PAVEMENT TO THE UNDERSIDE OF THE PAVEMENT.
ii) ADJACENT TO KERBING OR CONCRETE WORKS TO A LEVEL THAT IS NOT AFFECTED BY A 45 DEGREE ANGLE OF REPOSE FROM THE NEAR LOWER EDGE.
(TRENCHES TO BE BACKFILLED IN LAYERS NOT EXCEEDING 200mm LOOSE.)
- 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 SUPERINTENDANT PRIOR TO COMMENCEMENT OF WORKS.
- PROPERTY INLETS ARE TO BE PLACED 1.0m FROM THE LOW CORNER OF LOT UNLESS OTHERWISE SHOWN. MINIMUM COVER TO BE 500mm. REFER GAA STD DWGS EDM703, EDM702, EDM703 & EDM704.
- LOTS DENOTED THUS 25H ARE TO BE PROVIDED WITH A 100mm DIA. HOUSE DRAIN PLACED 5.5m FROM LOW CORNER OF LOT UNLESS OTHERWISE SHOWN. REFER GAA STD DWGS EDM701 & EDM703.
- AGRICULTURAL PIPE DRAINS, AS PER COUNCIL STD DWG MCC202, TO BE PLACED BEHIND ALL KERB AND CHANNEL AND BUFFER PITCHERS AND WHERE DIRECTED BY THE ENGINEER.
- ALL PROPOSED DRAINAGE STUBS TO BE BLANKED OFF AT END OF PIPE WITH TIMBER PLANKS TO THE SATISFACTION OF THE SUPERVISING ENGINEER.
- LOTS TO BE GRADED (1 in 150 MIN SLOPE) & LEFT CLEAN TO THE SATISFACTION OF THE ENGINEER. FINISHED LEVELS TO BE COMPATIBLE WITH LOTS ADJOINING THIS STAGE.
- ON COMPLETION THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ALL RUBBISH AND SPOIL FROM SITE. NO SURPLUS TREES, VEGETATION OR OTHER MATERIAL IS TO BE BURNT ON SITE.
- RESERVES TO BE FREE DRAINING AND TO BE LEFT IN A CONDITION SATISFACTORY TO THE CITY ENGINEER.
- FILL AREAS IN ALL PROPERTIES AND ROAD RESERVES TO BE STRIPPED OF TOPSOIL & VEGETABLE MATTER, 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.
- 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.
- BATTERS TO BE 1 IN 6 FOR FILL AND 1 IN 6 FOR CUT UNLESS NOTED OTHERWISE.
- CUT BATTERS ARE TO BE GRASSED AND MULCHED WITH A MIXTURE OF CHOPPED GRASS, STRAW AND BITUMEN EMULSION.
- WHERE CUT BATTERS EXCEED 700mm AN ADDITIONAL 300mm BERM SHALL BE FORMED BEHIND FOOTPATH.
- ACCESS RAMPS ARE TO BE CONSTRUCTED WHERE CUT BATTERS EXCEED 1.0m. THEY ARE TO BE GRADED 1 IN 10 FOR THE FIRST 2.5m FROM THE BACK OF PATH AND THEN AT A MAXIMUM OF 1 IN 4 TO NATURAL SURFACE.
- ALL RESIDENTIAL FOOTPATHS SHALL BE 1.5m WIDE (MIN.) AND SHARED PEDESTRIAN/CYCLE PATHS SHALL BE 3.0m (MIN.). CONCRETE PATHS ARE TO BE 125mm THICK REINFORCED WITH SL72 PLACED CENTRALLY AND UNDERLAIN BY 50mm OF CLASS 3 CR. REFER GAA STD DWG EDM401.
- PRAM CROSSINGS ARE TO BE CONSTRUCTED WHERE FOOTPATHS CONNECT TO THE BACK OF KERB & CHANNEL. REFER GAA STD DWG EDM403.
- ALL NATIVE TREES AND SHRUBS TO BE RETAINED UNLESS ROAD CONSTRUCTION NECESSITATES THEIR REMOVAL OR REMOVAL IS DIRECTED BY THE ENGINEER. A TOWN PLANNING PERMIT IS REQUIRED FOR THE REMOVAL OF NATIVE TREES AND OR VEGETATION. THE REMOVAL OR RETENTION OF ANY EXISTING TREES MUST BE IN ACCORDANCE WITH THE APPROVED LANDSCAPE PLAN, OR ELSE APPROVAL WILL BE REQUIRED FROM THE MELTON LANDSCAPE APPROVALS OFFICER.
- 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.
- 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.
- TELSTRA/BNB Co TO BE NOTIFIED SEVEN (7) DAYS PRIOR TO CONCRETE WORKS BEING PLACED.
- ELECTRICAL DISTRIBUTION PITS WITHIN FOOTPATHS ARE TO BE A MINIMUM OF 300mm WITHIN THE EDGE OF THE PATH. CONCRETE IS TO BE PLACED AROUND DISTRIBUTION PITS TO A MINIMUM DEPTH OF 200mm.
- ALL STREET SIGNS TO BE CONSTRUCTED AND ERECTED TO CURRENT CITY OF MELTON STANDARDS INCLUDING LOGO. COURT STREET NAMES ARE TO SHOW COURT NAME ONLY.


- 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.
- ALL DRIVEWAYS ARE TO BE OFFSET 0.60m FROM SIDE BOUNDARIES AND EASEMENTS UNLESS OTHERWISE SHOWN, AND CONSTRUCTED AS PER GAA STD DWGS MCC 501 & MCC 502
- ALL ROADS TO BE CONSTRUCTED WITH KERB & CHANNEL AS SHOWN. REFER GAA STD DWGS EDM301 & EDM302 AND MELTON COUNCIL STD DWGS.
- KERB TRANSITION TO TAKE PLACE IN THE MINOR STREET OVER A 2.0m LENGTH FROM EITHER THE TANGENT POINT OR TP PIT.
- EXISTING ROAD WORKS TO BE RECONSTRUCTED AS REQUIRED TO PROVIDE, WITHOUT DISCONTINUITY, A CONNECTION IN ACCORDANCE WITH DESIGN LEVELS AND GRADES.
- PAVEMENT TO CONSIST OF: REFER DETAILS THIS SHEET

PAVEMENT NOT TO BE FOUNDED ON CLAYEY SILT OR UNCONTROLLED FILL MATERIAL SUBGRADE. PAVEMENT TO BE AS PER SPECIFICATIONS OF CARDNO GEOTECHNICAL INVESTIGATION 215255 REPORT 01.2, MARCH 2016

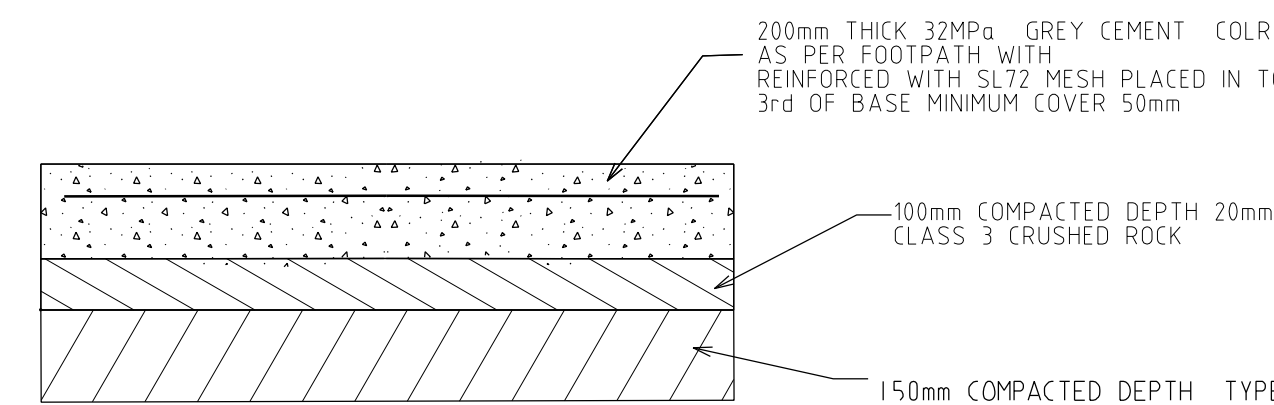
EARTHWORKS MATERIALS TO BE USED AS 'SELECT GRANULAR MATERIAL' MUST HAVE A SOAKED CBR OF MORE THAN 10% WITH A SWELL OF LESS THAN 1.5%, A LIQUID LIMIT OF LESS THAN 50%, A PLASTICITY INDEX (PI) OF LESS THAN 25% AND A PI x % LESS THAN 0.425mm OF LESS THAN 1200. THIS MATERIAL SHOULD ALSO HAVE A HYDRAULIC CONDUCTIVITY OF LESS THAN 1 x 10⁻⁹ m/s MEASURED AT OMC PLUS OR MINUS 5% AND COMPACTED TO A STANDARD DRY DENSITY RATIO OF 98% PLUS OR MINUS 1%. THIS LAYER SHOULD BE A MINIMUM OF 150mm THICK OR AT LEAST 2.5 TIMES THE MAXIMUM PARTICLE SIZE IN THE LAYER. THE MATERIAL USED MUST MEET THE REQUIREMENTS OF BOTH THE SUPERINTENDANT AND THE RELEVANT COUNCIL.

'SELECT GRANULAR MATERIAL' IS TO EXTEND TO A DISTANCE OF AT LEAST 1.0m BEHIND THE BACK OF KERB.

IN THE EVENT THAT SELECT GRANULAR MATERIAL CAN NOT ACHIEVE A CBR OF 10% IN SITU STABILISATION IS REQUIRED TO ACHIEVE 10% C.B.R. TO A MINIMUM DEPTH OF 300mm FOR ALL ROAD PAVEMENTS.

SPEED HUMP INFILLS SHOWN THUS  TO CONSIST OF:
a) 200mm THICK 32MPa CHARCOAL COLOURED CONCRETE IN GREY CEMENT WITH 6% BLACK OXIDE COLOUR TO BE ADDED TO AGGREGATE PRIOR TO POURING CONCRETE SL72 MESH PLACED CENTRALLY.
b) 100mm THICK COMPACTED FCR BEDDING OR TO ROAD BASE COURSE

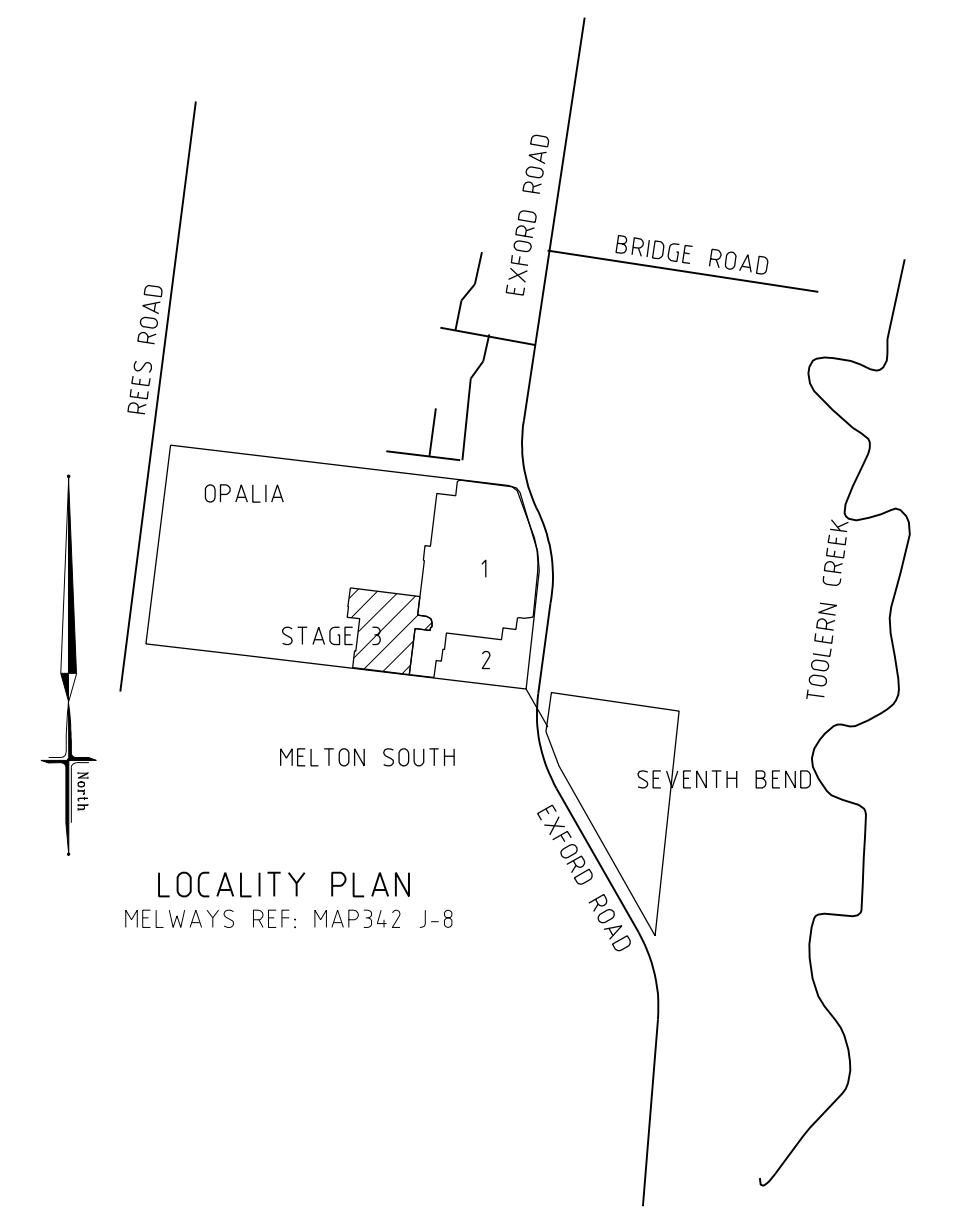
- MODIFICATION OF THE PAVEMENT REQUIRES APPROVAL BY THE CITY OF MELTON WORKS SUPERVISOR.
- EXISTING DAM OR WATERCOURSES TO BE EXCAVATED TO A FIRM BASE AND BACKFILLED AS SPECIFIED. DEVELOPER'S CONSULTANT TO BE NOTIFIED WHEN THE DAM OR WATERCOURSES ARE EXCAVATED TO A FIRM BASE. NO FILLING IS TO BE PLACED PRIOR TO DAMS BEING INSPECTED AND LEVELS TAKEN. BACKFILLING IS TO BE CARRIED OUT TO THE SATISFACTION OF THE COUNCIL SUPERVISING ENGINEER.
- 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.
- 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.
- PROVIDE PAINTED PALING FENCE ALONG ANY BOUNDARY COMMON TO LOTS & MUNICIPAL RESERVES AS PER MELTON COUNCIL. PALINGS TO BE ON THE RESERVE SIDE.
- PROVIDE TEMPORARY SAFETY BARRIER FENCE (FARM FENCE AS PER MW STD DWG 7251/4/203) ALONG EXTENT OF OUTFALL DRAIN WHERE THE DRAIN IS GREATER THAN 1.5m IN DEPTH AND SIDE SLOPES ARE STEEPER THAN 1 IN 3. SAFETY FENCE TO REMAIN UNTIL PERMANENT UNDERGROUND DRAINAGE IS INSTALLED.
- A TEMPORARY FENCE SHALL BE ERECTED AND MAINTAINED AROUND EXISTING TREES. NOMINATED TO BE RETAINED, AT ALL TIMES DURING CONSTRUCTION. FOR FENCING DETAILS AND CONSTRUCTION WORKS WITHIN THE "TREE PROTECTION ZONE" REFER TO THE ARBORICULTURAL INSPECTION REPORT BY A & R TREE SURGEONS (18th MARCH 2003).
- CONTRACTOR TO REMOVE EXISTING IRRIGATION AND DRAINAGE PIPES AND PITS ENCOUNTERED ON SITE. TRENCHES TO BE BACKFILLED IN ACCORDANCE WITH NOTES 16 & 17.
- TACTILE GROUND SURFACE INDICATORS (TGS) ARE TO BE INSTALLED AT ALL PRAM CROSSINGS AND PEDESTRIAN CROSS POINTS, REFER GAA STD DWG EDM403.
- MAXIMUM CROSSFALL ON FOOTPATHS TO BE 1 in 50 (30mm FOR 1.50m PATH)
- AS CONSTRUCTED PLANS AND ELECTRONIC ASSET INFORMATION IN D-SPEC AND R-SPEC FORMAT MUST BE SUBMITTED TO COUNCIL PRIOR TO PRACTICAL COMPLETION
- DELETED
- THE CROSSOVERS MUST BE PROVIDED A MINIMUM OF 3.50m WIDTH AND MAXIMUM GRADE OF 1 in 10
- TEMPORARY CRUSHED ROCK TURN AROUND AREAS MUST BE MAINTAINED IN A SAFE AND SOUND CONDITION SO THAT VEHICLES ARE ABLE TO USE THEM AT ALL TIMES



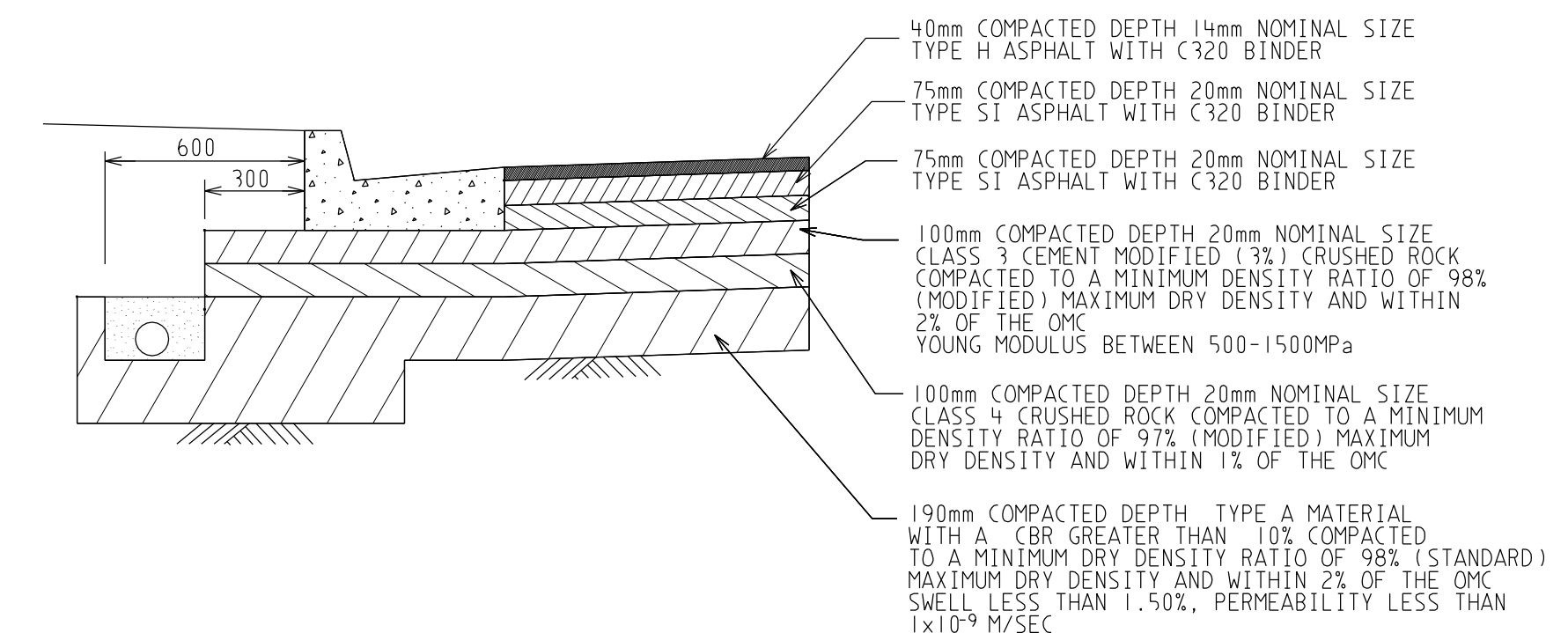
EXTENDED DRIVEWAYS
PAVEMENT COMPOSITION



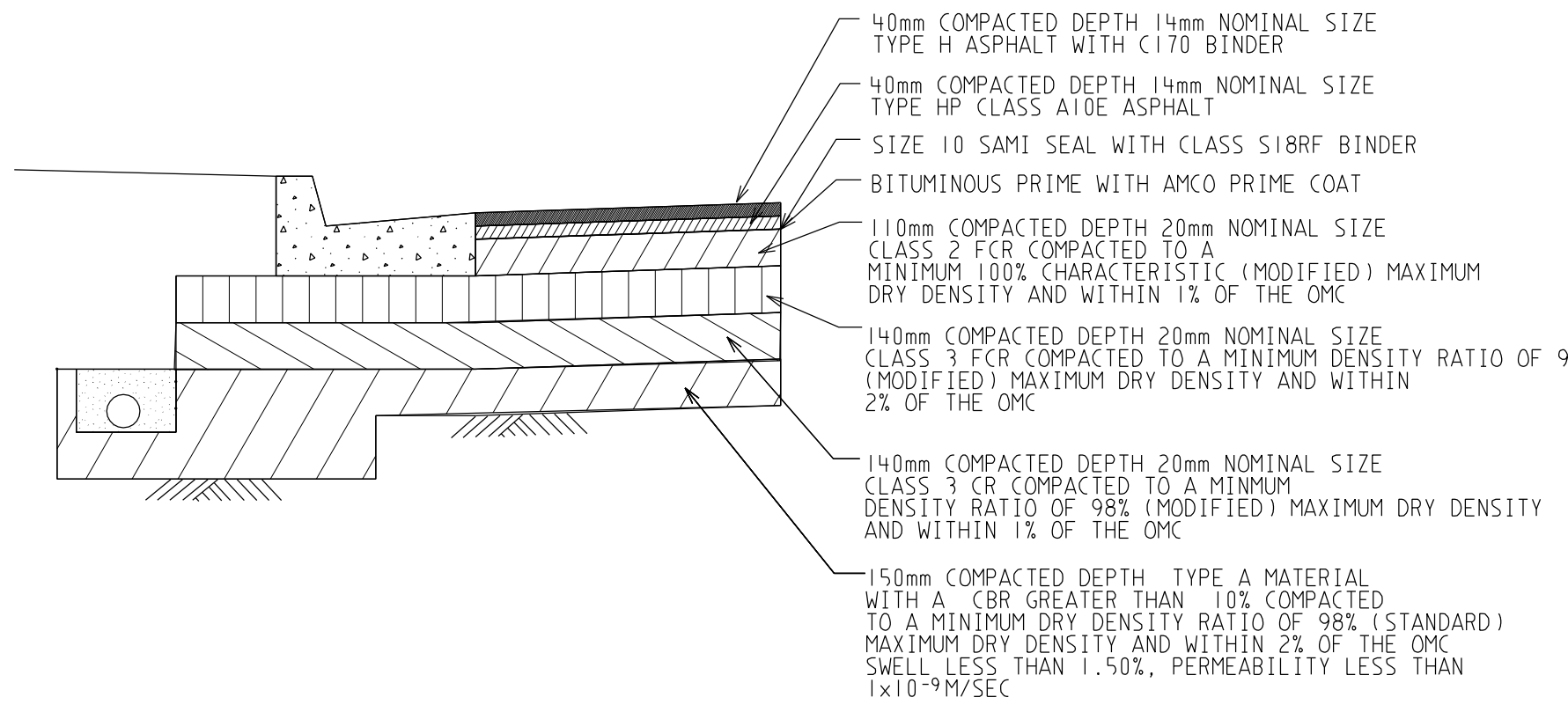
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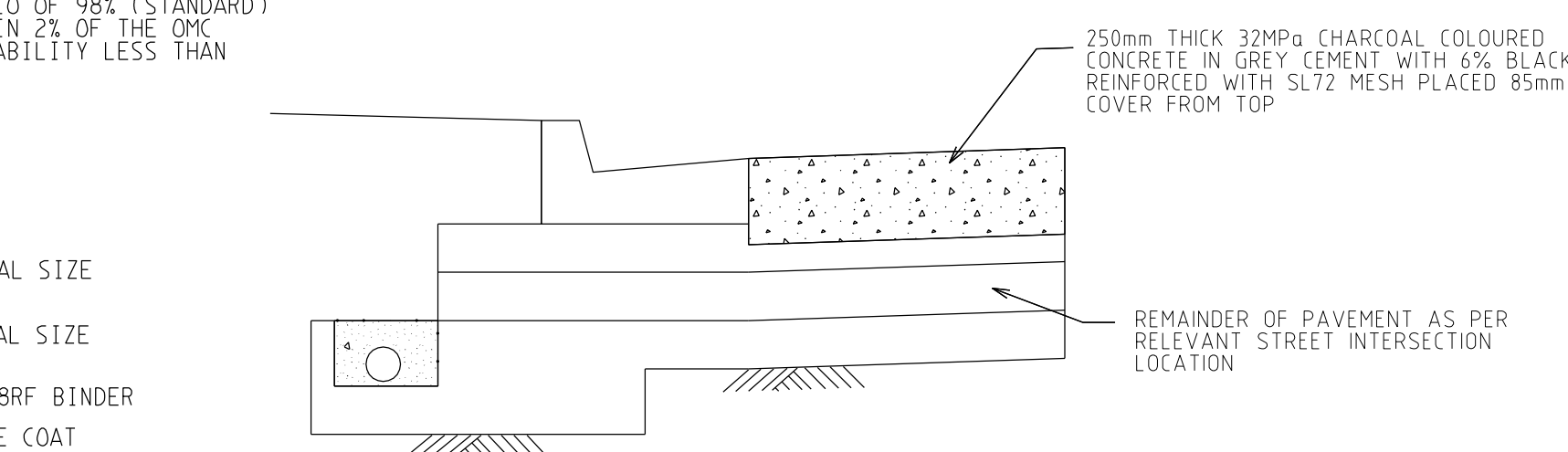
LOCALITY PLAN
MELWAYS REF: MAP342 J-8



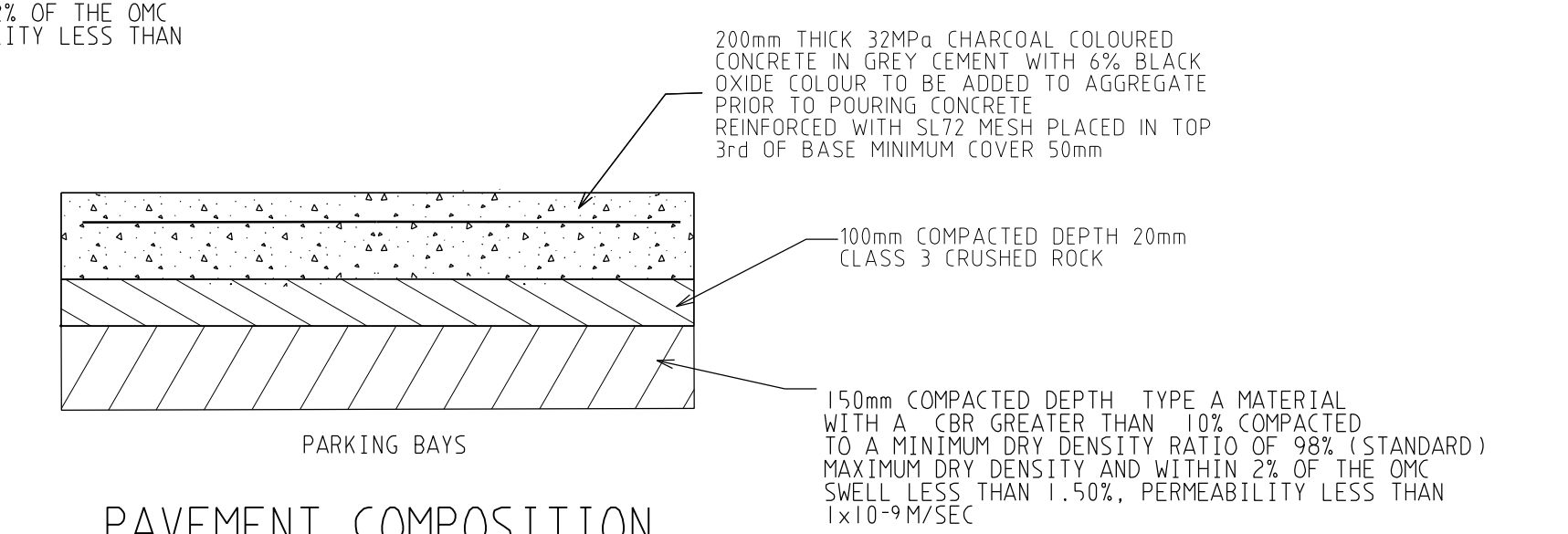
CONECTOR STREET - ELPIS ROAD
PAVEMENT COMPOSITION
NOT TO SCALE



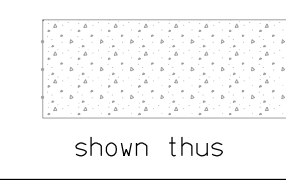
LOCAL STREET - OLD BRIDGE BLVD, METROON DRIVE, GANSHA STREET
PAVEMENT COMPOSITION
NOT TO SCALE



THRESHOLD
PAVEMENT COMPOSITION



PARKING BAYS
PAVEMENT COMPOSITION



shown thus

AMENDMENTS	DATE	REMARKS	CHECKED	SCALE	DATUM	AHD	DATE	SHEET	OF
I	16.03.2020	SHEET INDEX AMENDED						1	22
H	16.03.2020	SHEET INDEX AMENDED						1	22
G	11.03.2020	SHEET INDEX AMENDED						1	22
E	11.02.2020	SHEET INDEX AMENDED						1	22
D	22.11.2019	SHEET INDEX AMENDED, LEO RD RENAMED TO MATROON						1	22
C	30.10.2019	SHEET INDEX AMENDED						1	22
B	15.10.2019	SHEET INDEX AMENDED						1	22

MELWAY REF.	342-J-7
SURVEY	B.P.D.
DESIGN	RK
DRAWN	RK

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

OPALIA ESTATE		MUNICIPALITY
STAGE 3		MELTON
GENERAL NOTES, PAVEMENT DETAILS, DRAWING SCHEDULE AND LOCALITY PLAN		REFERENCE
		6751 E/3

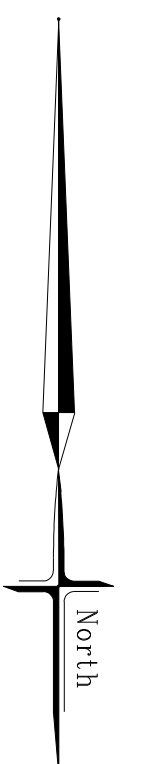
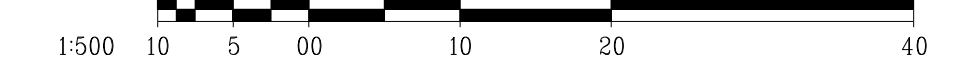
SERVICES OFFSETS AND LOCATIONS

STREET NAME	Rd.RESERVE	WATER	GAS	ELECTRICITY		FIBRE TO THE HOME		Bk. of KERB	JOINT TRENCHING
				CABLES	POLES	CABLES	PITS		
ELPIS ROAD	25.00	2.60 S	2.10 S	2.75 N	0.90 BOK	1.85 N	1.85 S	9-10 N 4-10 S	E, T/G, W
OLDBRIDGE BOULEVARD	25.00	2.40 W	1.90 W	2.50 E	0.90 BOK	1.80 E	1.80 E	4-10	E, T/G, W
MATROON DRIVE (LOTS 331-339)	16.00	2.60 W	2.10 W	2.60 E	0.90 BOK	1.85 E	1.85 E	4-20	E, T/G, W
MATROON DRIVE (LOTS 327-328)	16.00	2.60 S	2.10 S	2.60 N	0.90 BOK	1.85 N	1.85 S	4-20	E, T/G, W
GANSHA STREET	16.00	2.60 S	2.10 S	2.60 N	0.90 BOK	1.85 N	1.85 S	4-20	E, T/G, W
SURYA WAY	8.00								

BOLLARDS

1. TRAFFIC EXCLUSION TREATMENTS ARE DETAILED ON THE LANDSCAPE PLANS TO THE SATISFACTION OF MELTON CITY COUNCIL, SUPPLY 1xREMOVABLE BOLLARD IN AREAS NOTED

LAYOUT PLAN



WARNING

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

SYMBOL LEGEND

Drains	—S—S—	Ex/Natural/FS Level	—S—S—
Sewer <300	—S—S—	FS @ Building Line	—S—S—
Water	—W—W—	Top/Toe of Batter	—W—W—
House Drain	—H—H—	Top Ret. Wall Level	—H—H—
Property Inlet	—P—P—	100yr Flood Level	—P—P—
Street Sign	—S—S—	Retaining Wall	—R—R—
PSM	—P—P—	Conduits 50mm	—C—C—
Retaining Wall	—R—R—	Conduits 100mm	—C—C—
Conduits 50mm	—C—C—	Ex Gas/Elect/Tel	—G—E—T—
Conduits 100mm	—C—C—	Passive Irrigation Treatment	—P—P—
Ex Gas/Elect/Tel	—G—E—T—		
Passive Irrigation Treatment	—P—P—		

PASSIVE IRRIGATION REFER SHEET 3



AMENDMENTS	DATE	DESCRIPTION	BY
H	22.04.2020	PASSIVE IRRIGATION AMENDED FRONTING LOT 326 & 338	
G	16.03.2020	PASSIVE IRRIGATION AMENDED FRONTING LOT 315	
F	10.03.2020	CONDUITS AMENDED, PASSIVE IRRIGATION AMENDED	
E	11.02.2020	CONDUITS AMENDED, SEWER AMENDED, PASSIVE IRRIGATION AMENDED IN ELPIS	
D	22.11.2019	LEO ROAD AMENDED TO MATROON DRIVE	
C	30.10.2019	PI LOCATION AMENDED LOTS 333 337 347 361 DRIVEWAY AMENDED LOT 349, ELEC OFFSETS AMENDED	
B	15.10.2019	KERB TYPE OLDBRIDGE BLVD AMENDED TO SM2	
VER	25.04.2019	CONSTRUCTION ISSUE REMARKS	

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land surveyors civil engineers

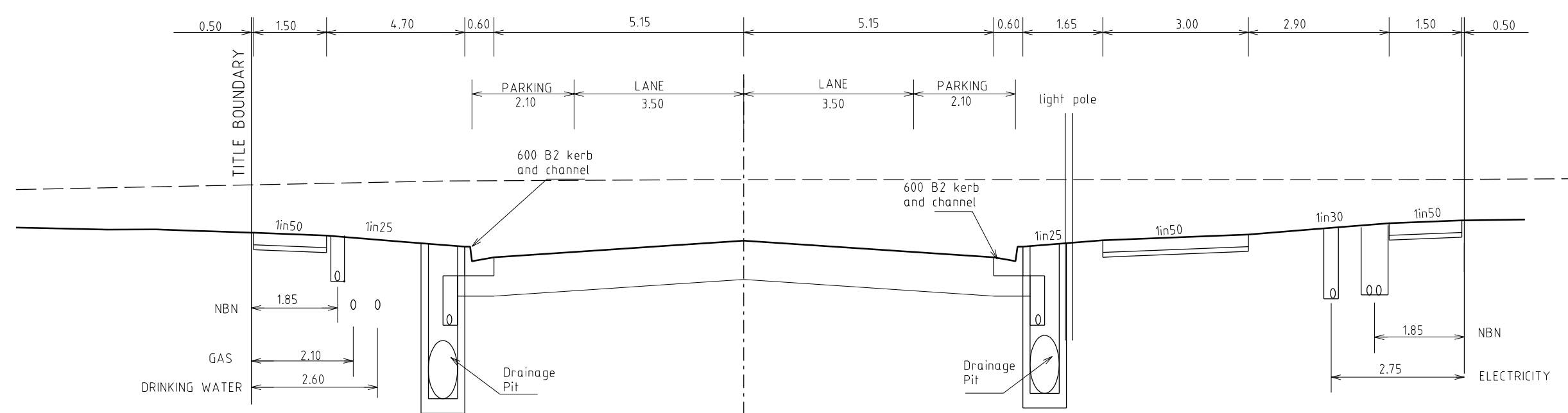
1/19 coto street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310

OPALIA ESTATE STAGE 3

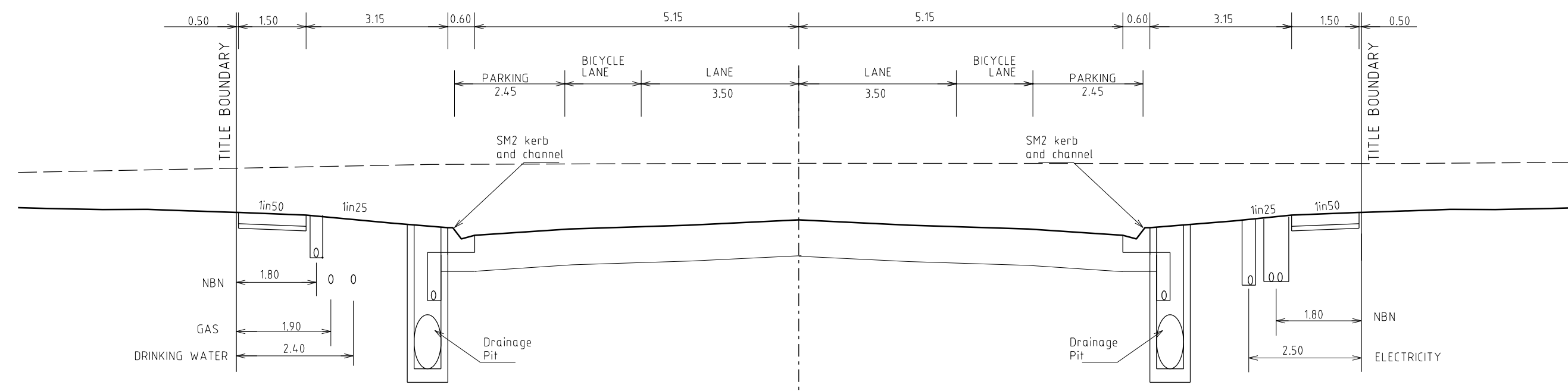
MELWAY REF. 742-J-7
SURVEY B.P.D.
DESIGN RK
DRAWN RK

OPALIA ESTATE STAGE 3
LAYOUT PLAN
REFERENCE 6751 E/3

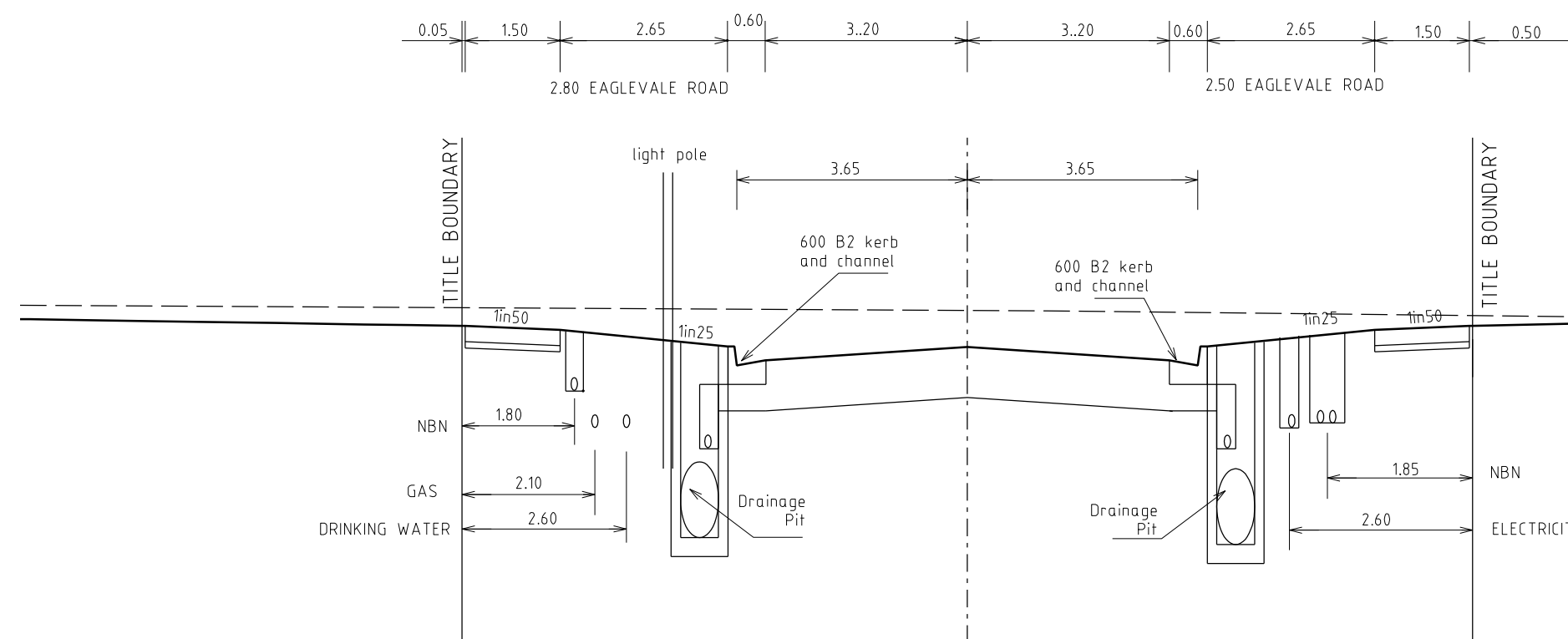
SCALE AS SHOWN DATUM AHD DATE APR. 19 SHEET 2 OF 22



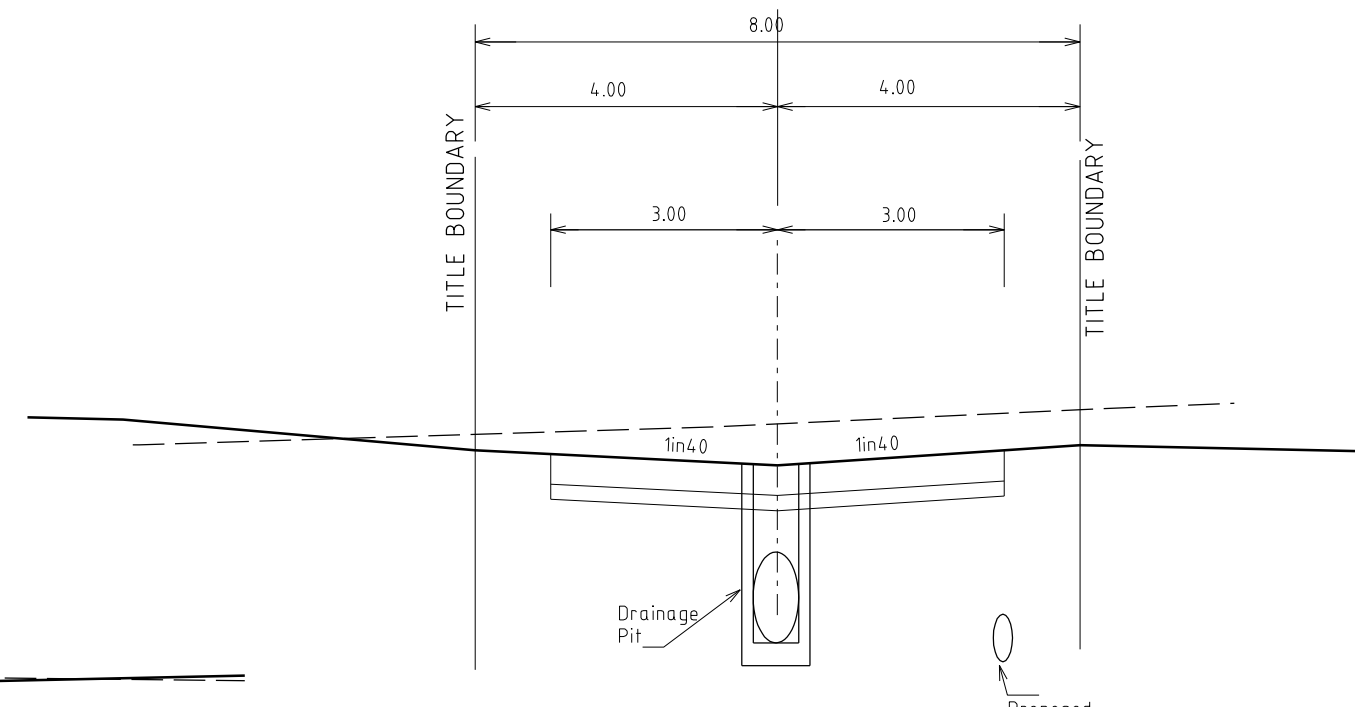
25.00m RESERVE
ELPIS ROAD



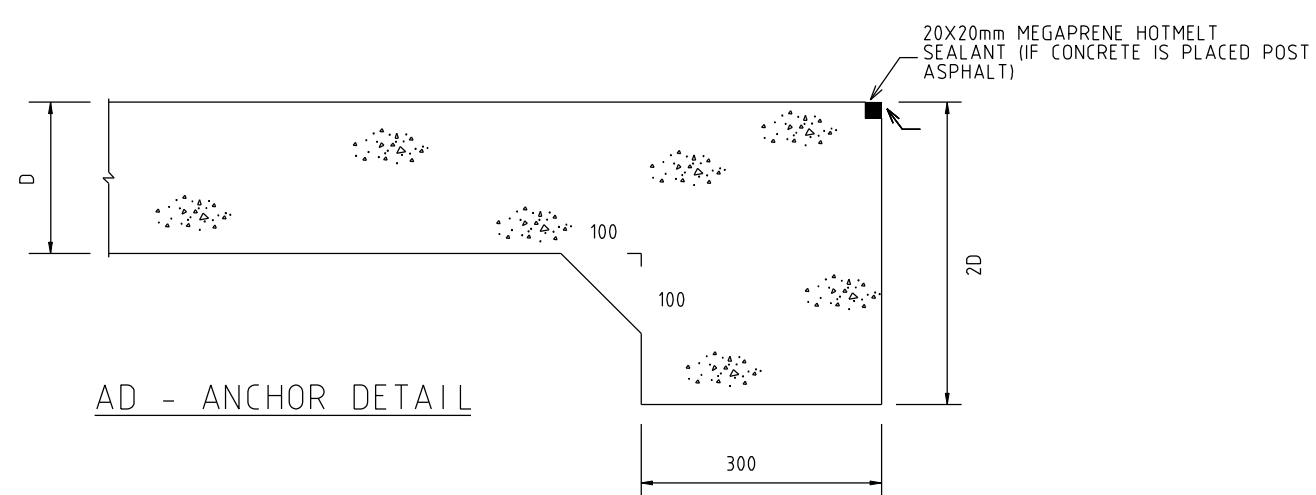
25.00m RESERVE
OLDBRIDGE BOULEVARD



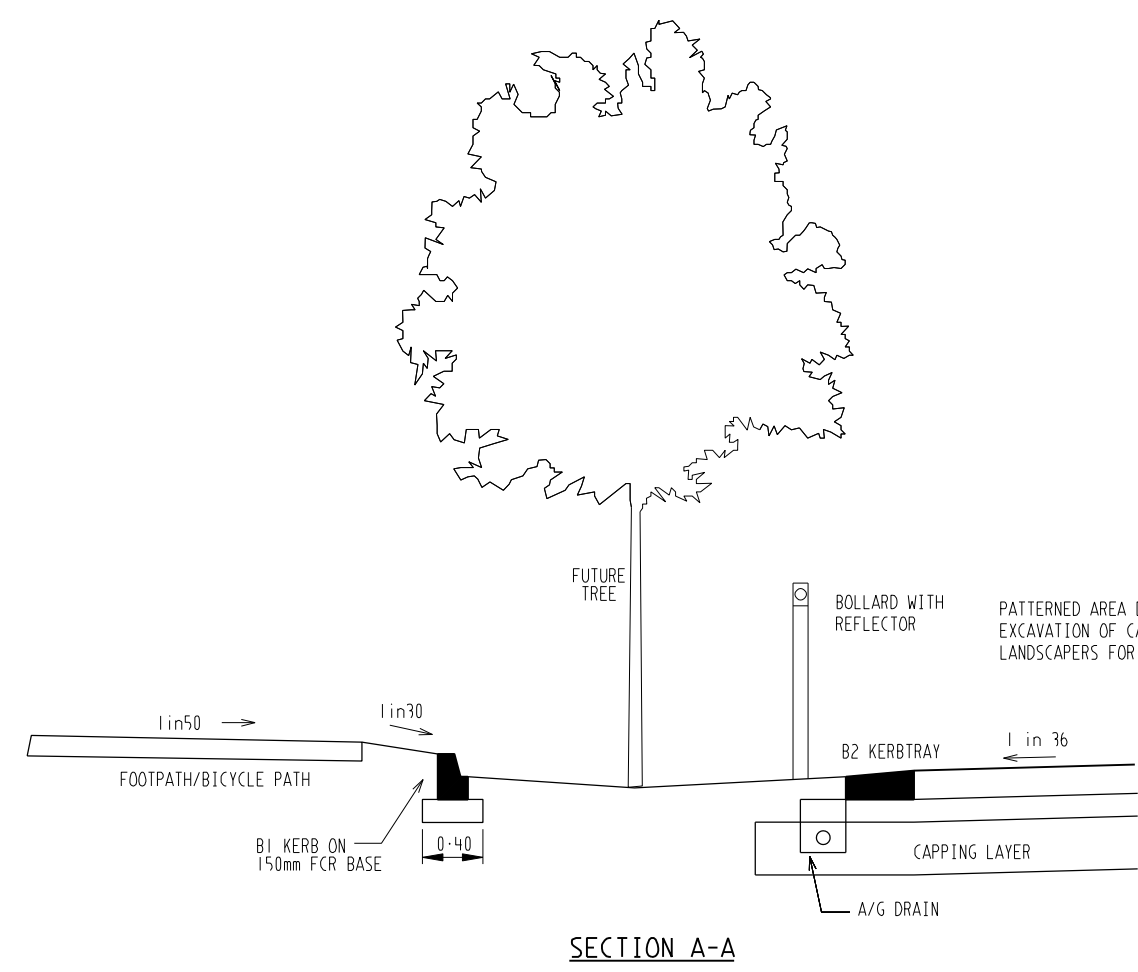
16.00m RESERVE
METROON DRIVE, GANSHA STREET



8.00m RESERVE
SURYA WAY

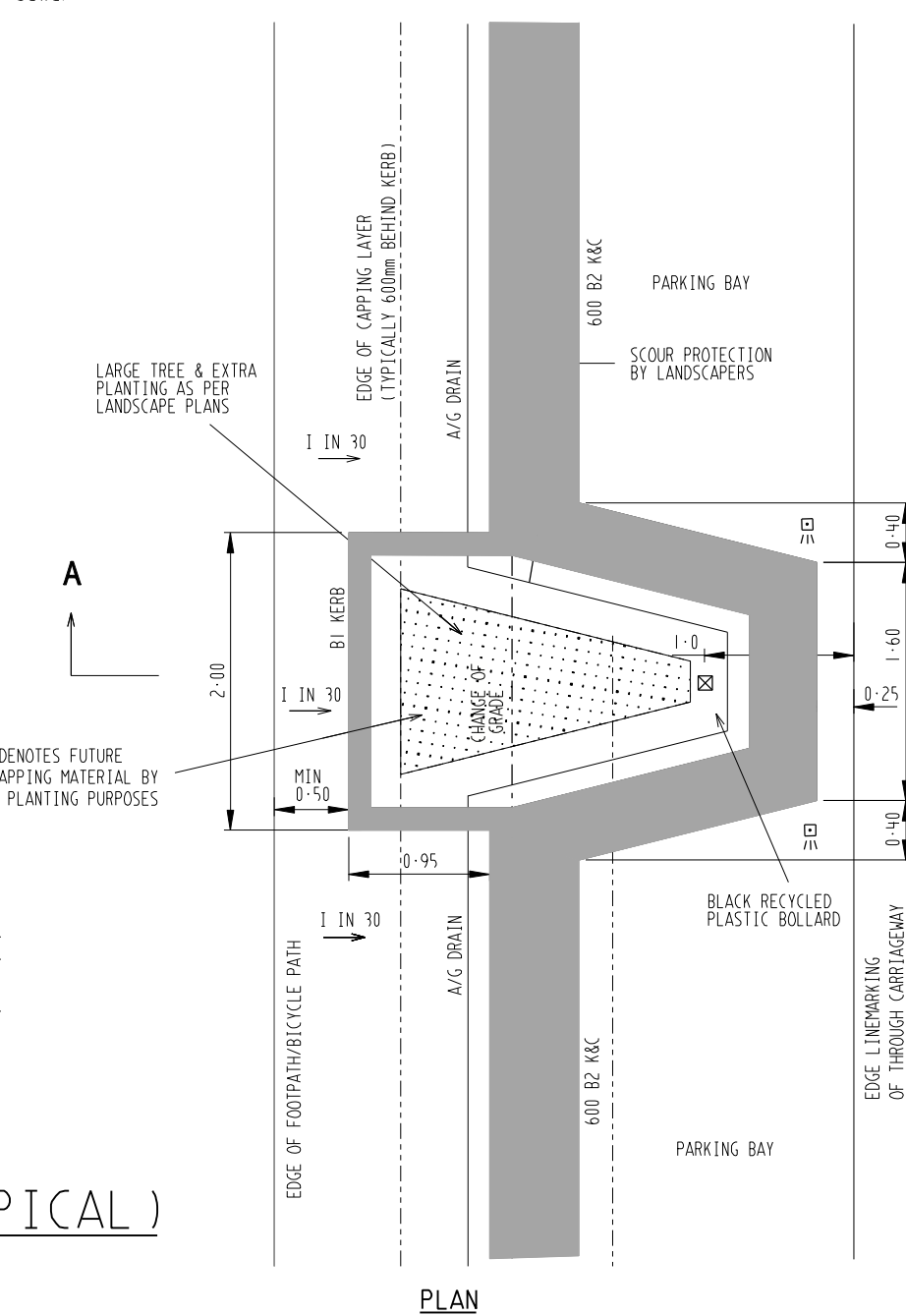


AD - ANCHOR DETAIL

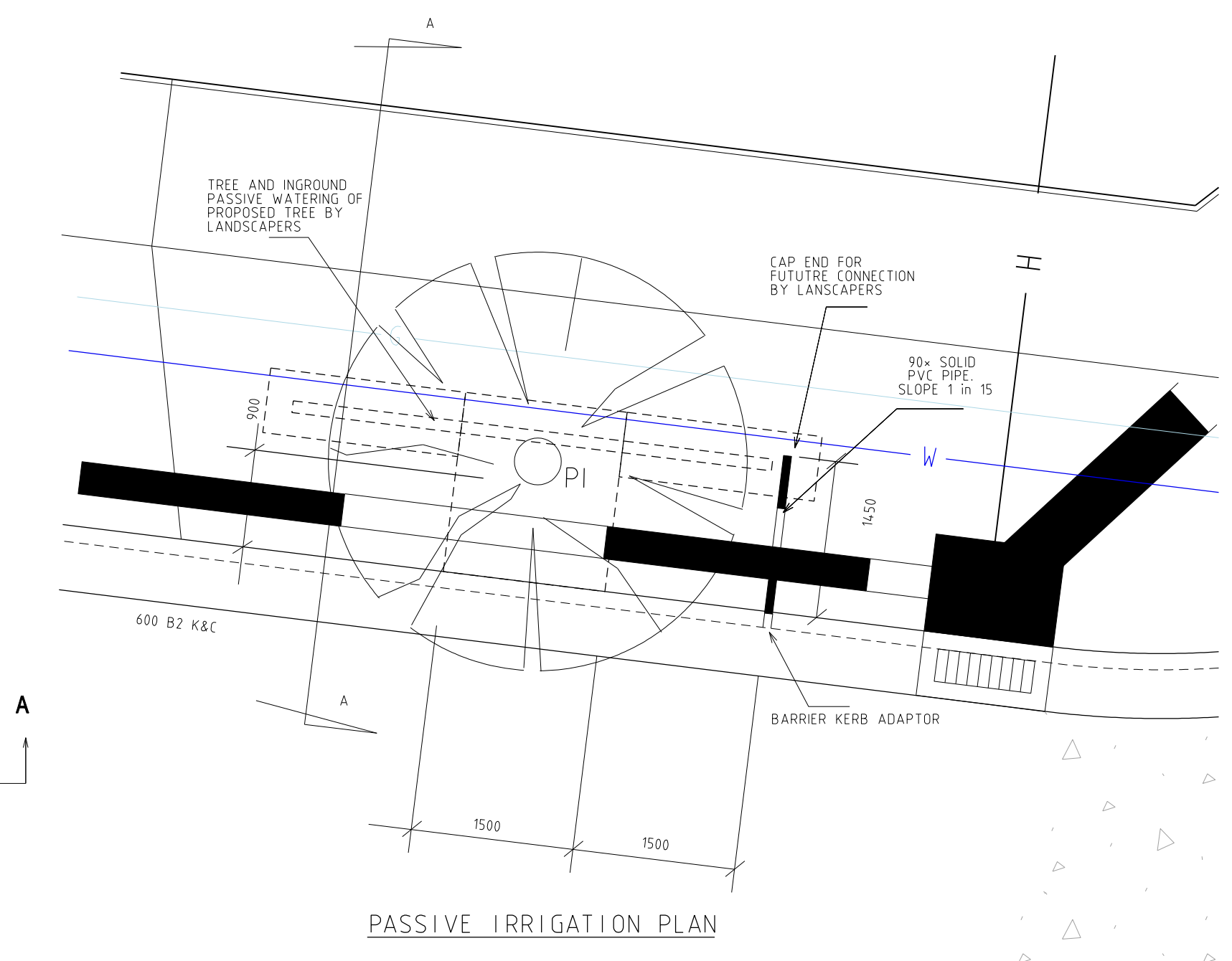


SECTION A-A

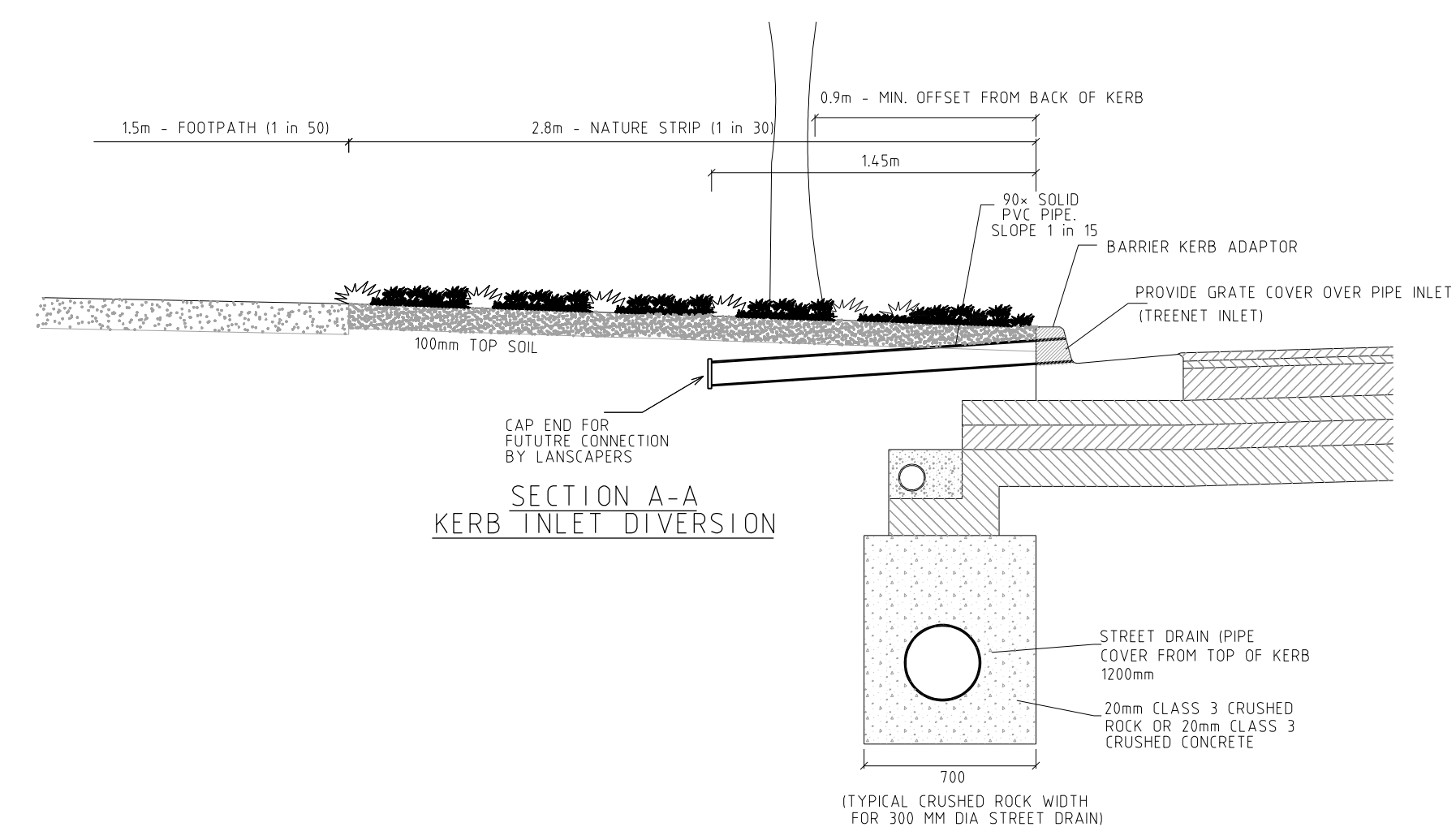
PASSIVE IRRIGATION AREA - TYPE A (TYPICAL)



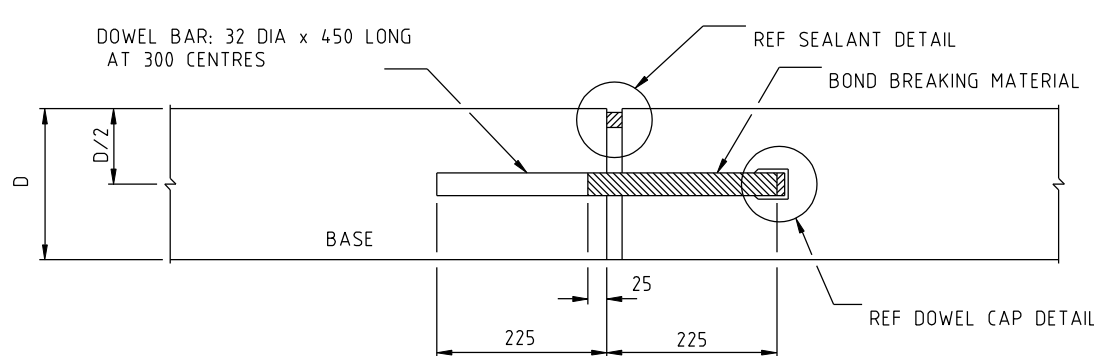
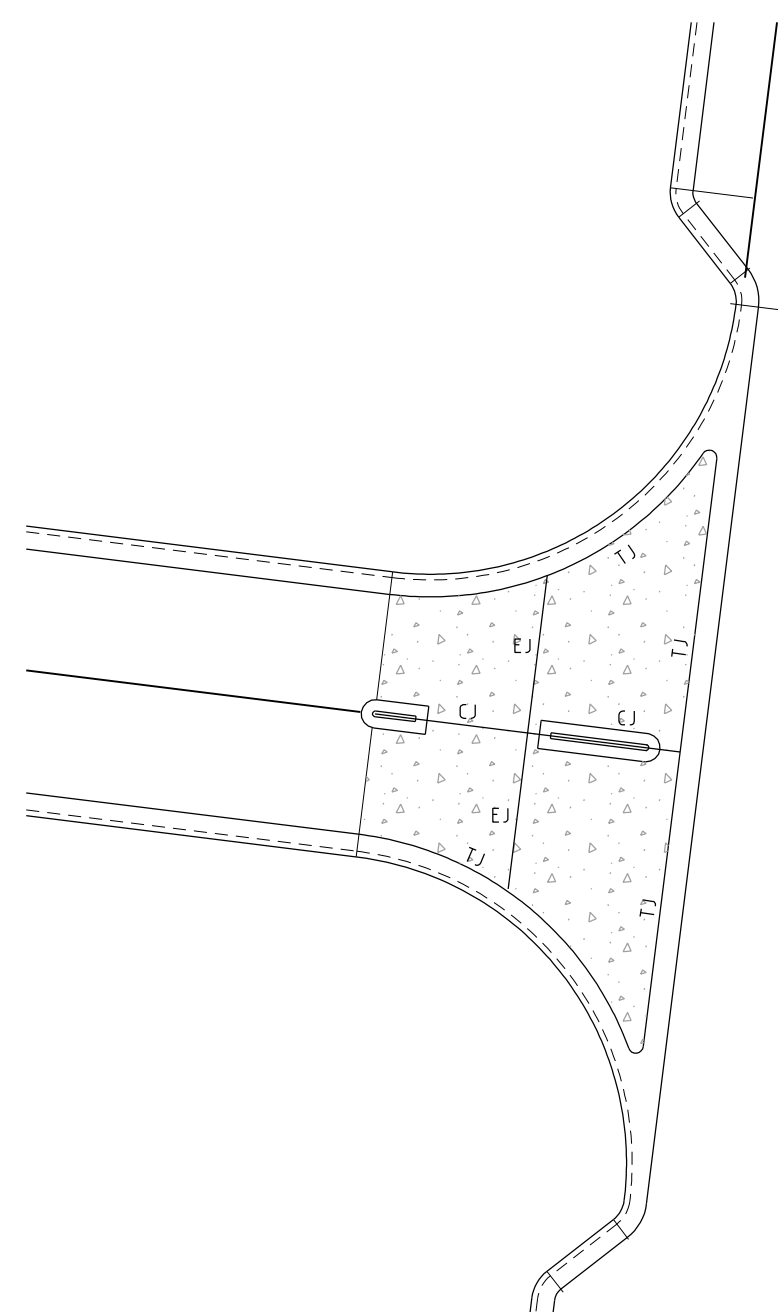
PLAN



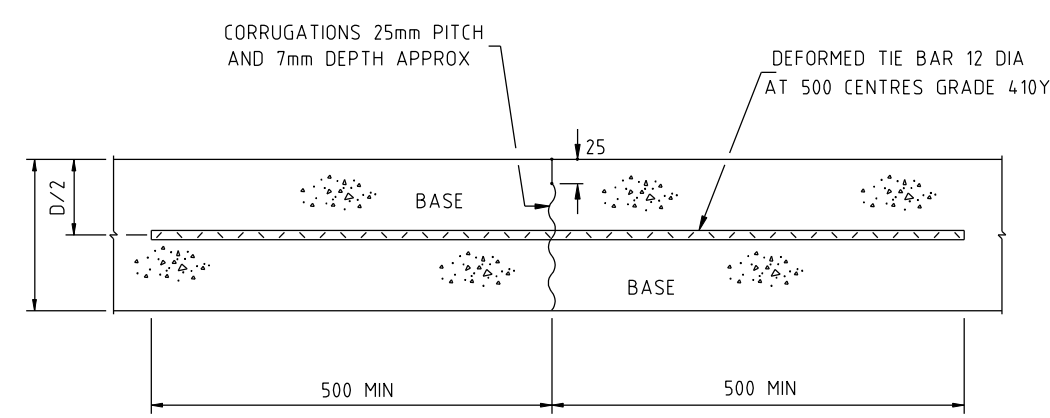
PASSIVE IRRIGATION PLAN



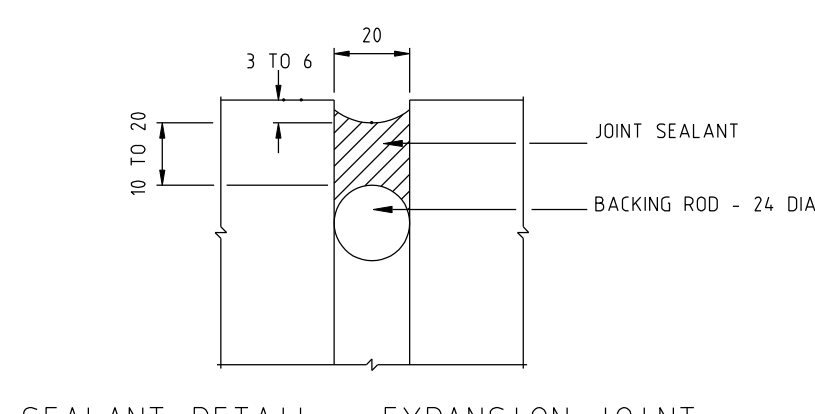
SECTION A-A
KERB INLET DIVERSION



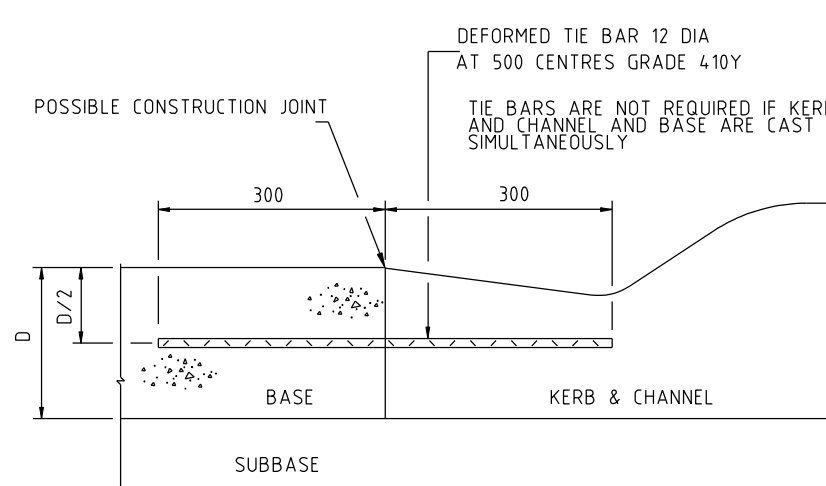
EJ - DOWELLED EXPANSION JOINT



CJ - CONSTRUCTION JOINT



SEALANT DETAIL - EXPANSION JOINT



TJ - KERB AND CHANNEL TIED JOINT

VER	DATE	REMARKS	CHECKED
E	11.02.2020	PASSIVE IRRIGATION 'A' DETAIL ADDED	
D	22.11.2019	LEO ROAD RENAMED TO MATROON DRIVE	MELWAY REF. 742-J-7
C	30.10.2019	ELEC OFFSETS AMENDED	SURVEY B.P.D.
B	15.10.2019	KERB TYPE OLDBRIDGE BLVD AMENDED TO SM2	DESIGN RK
A	25.09.2019	CONSTRUCTION ISSUE	DRAWN RK

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land surveyors civil engineers

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fax no. 8823 2310

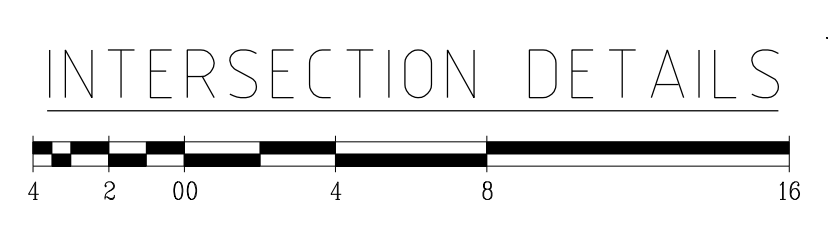
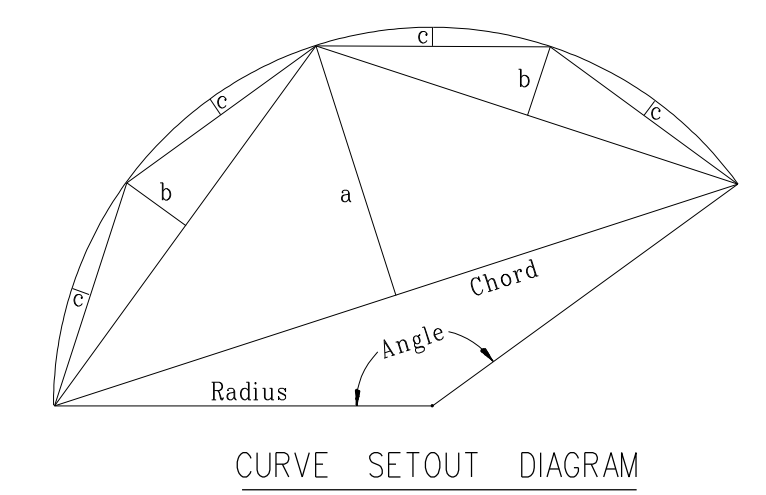
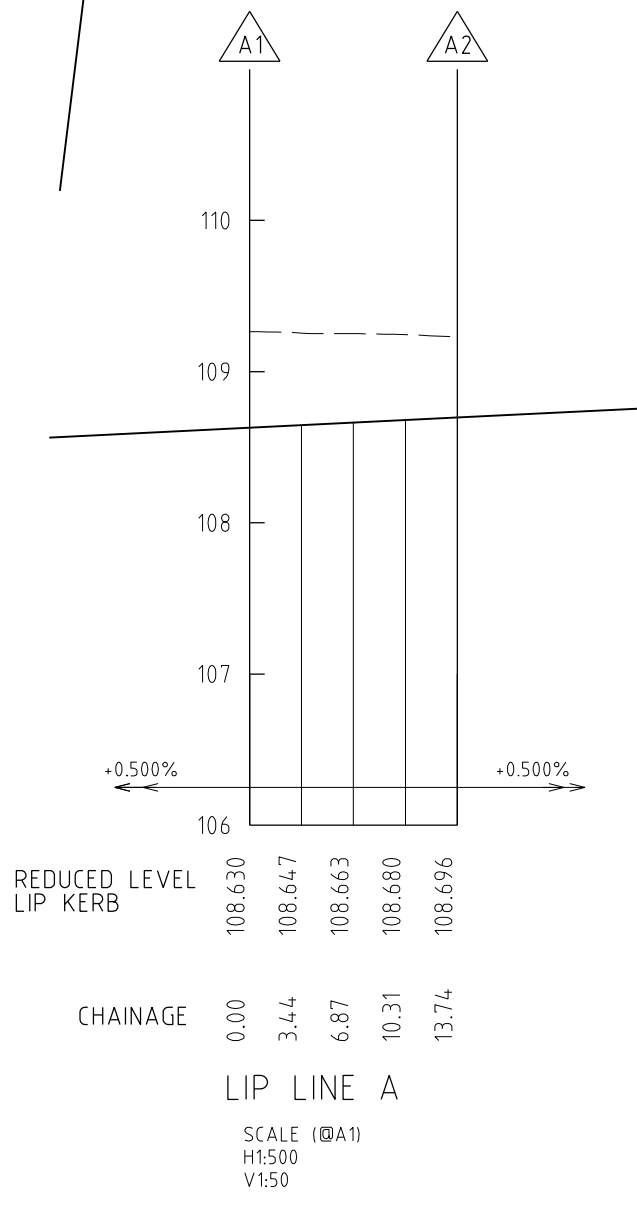
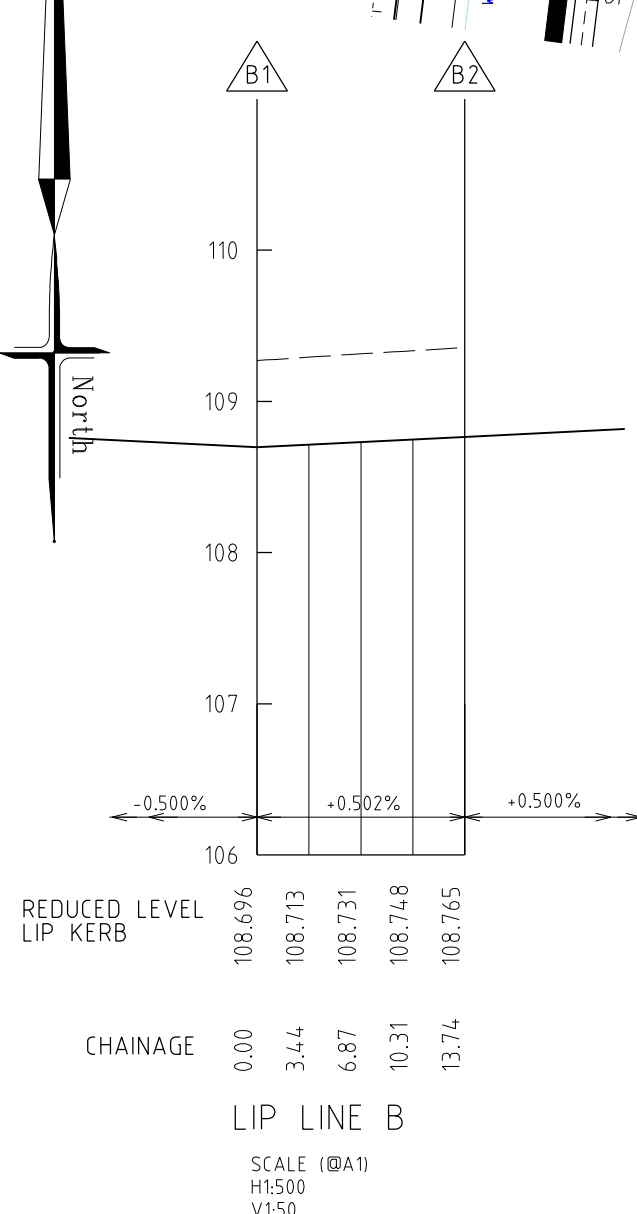
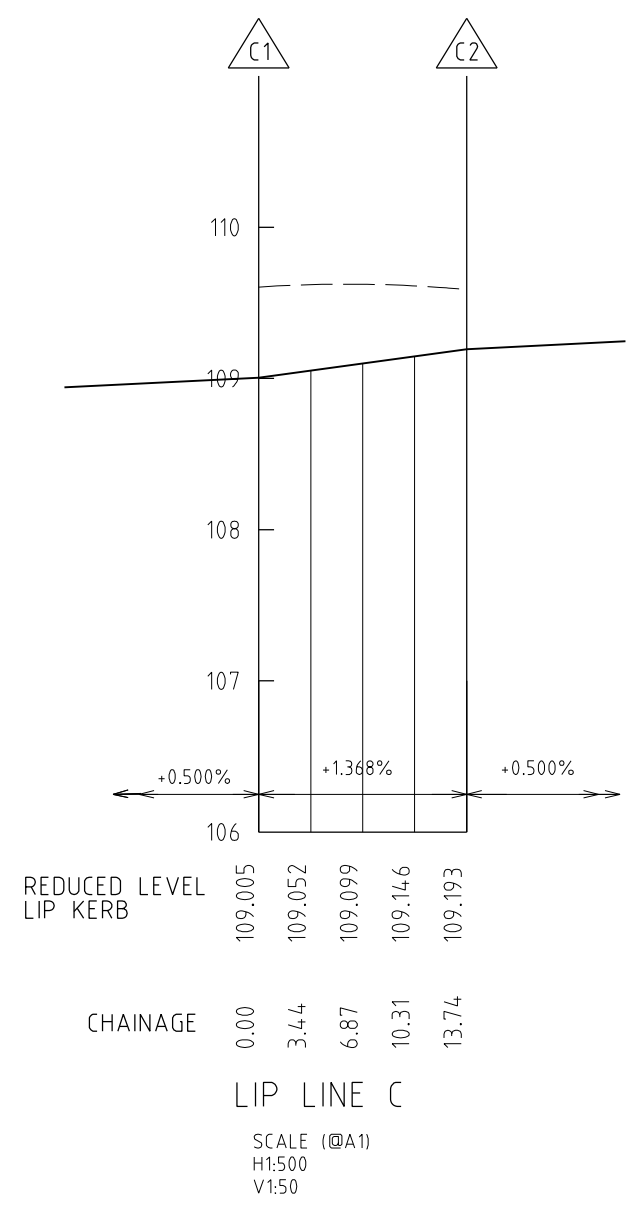
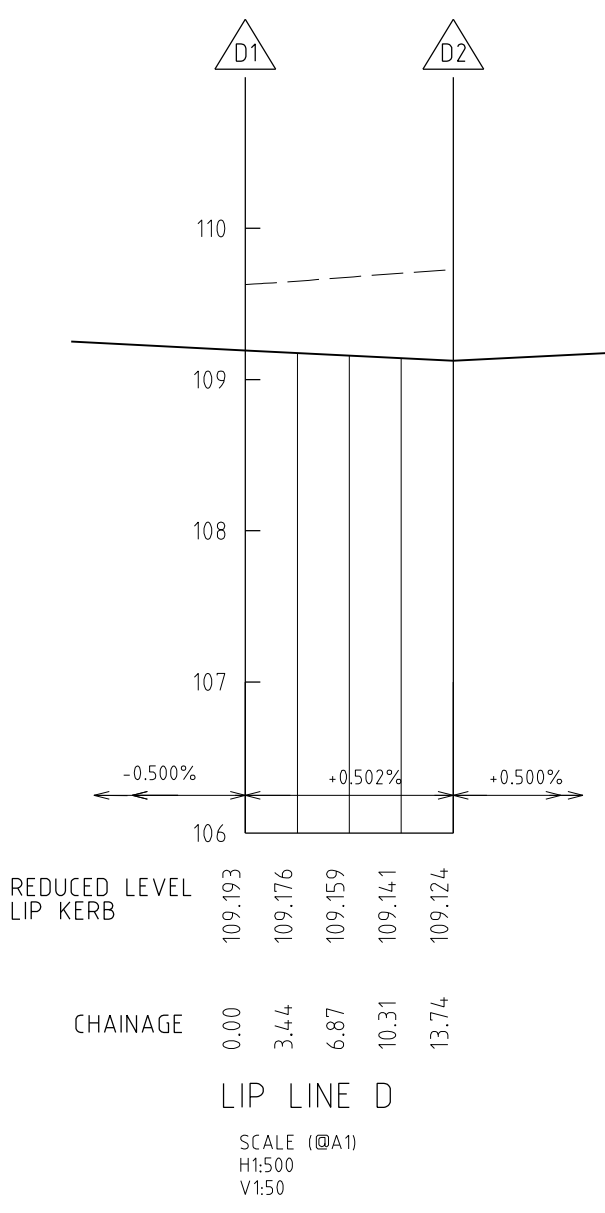
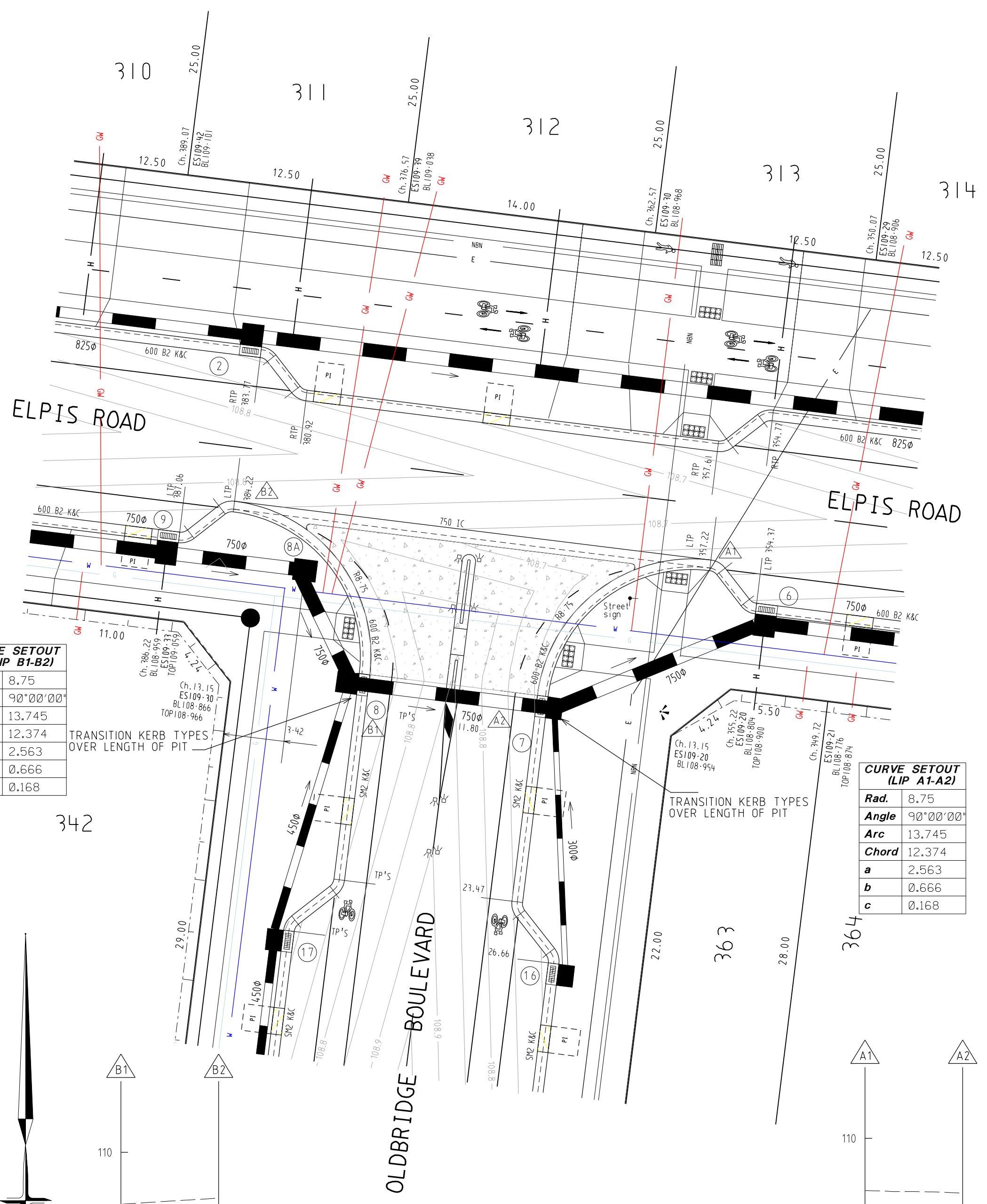
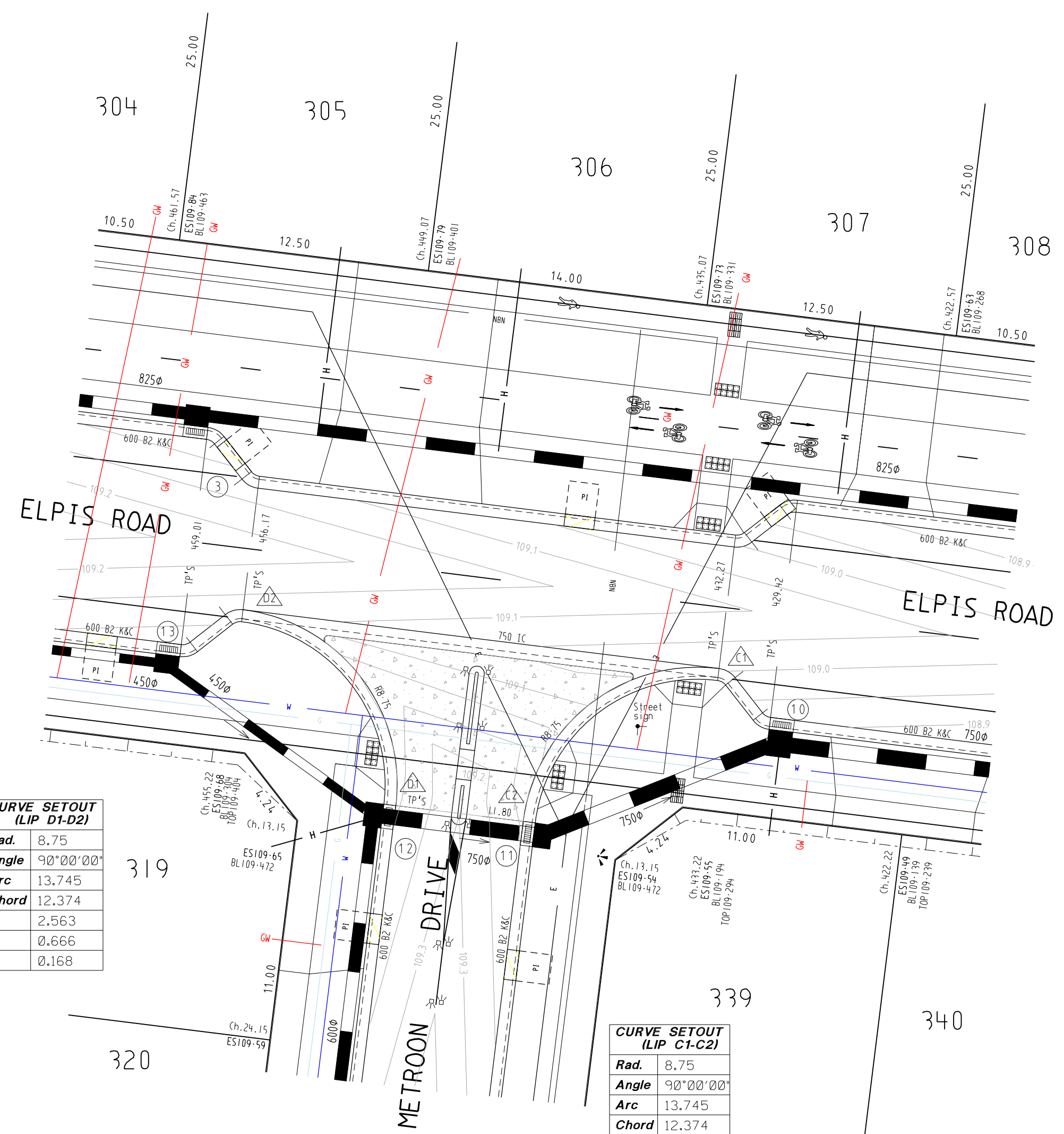
**OPALIA ESTATE
STAGE 3**

TYPICAL CROSS SECTIONS AND THRESHOLD DETAILS

MUNICIPALITY
MELTON

REFERENCE
6751 E/3

SCALE AS SHOWN DATUM AHD DATE APR, 19 SHEET 3 OF 22 E



TACTILE GROUND SURFACE INDICATORS (TGI) ARE TO BE INSTALLED WHERE SHOWN IN ACCORDANCE WITH AS 1428

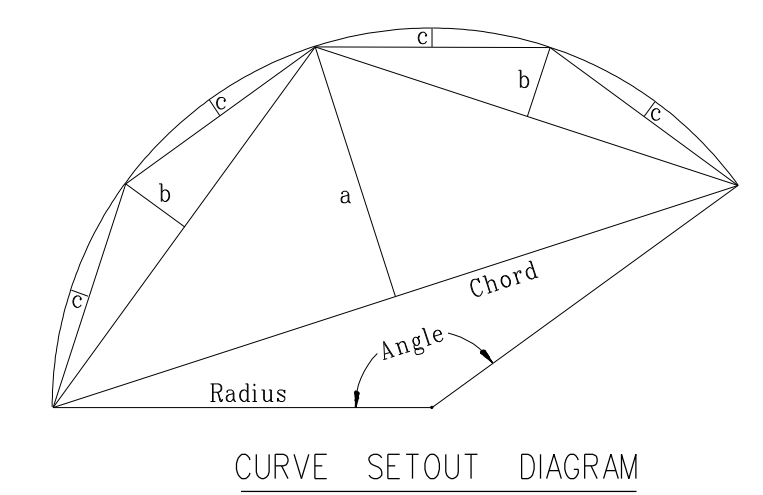
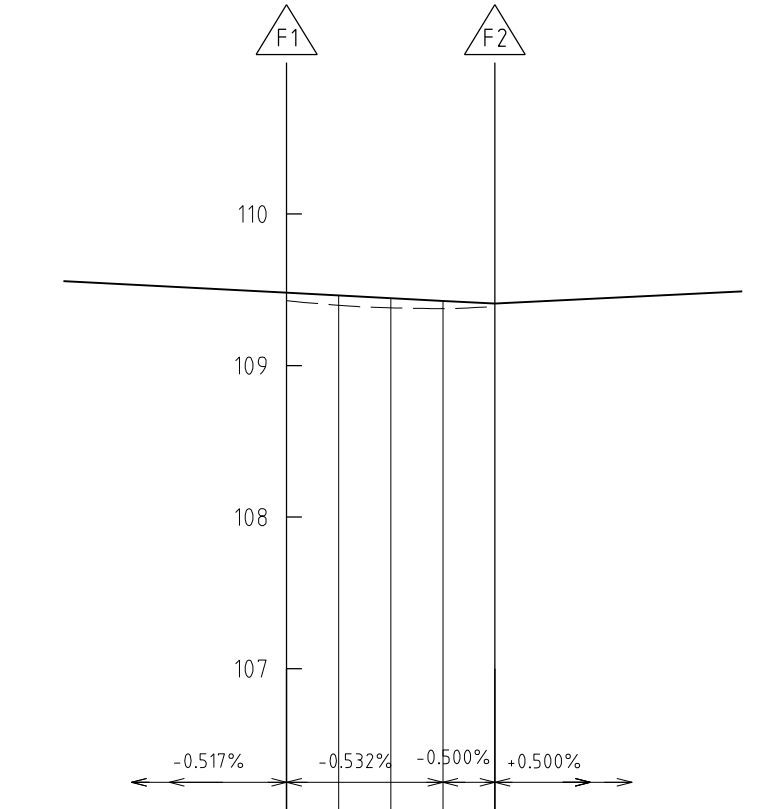
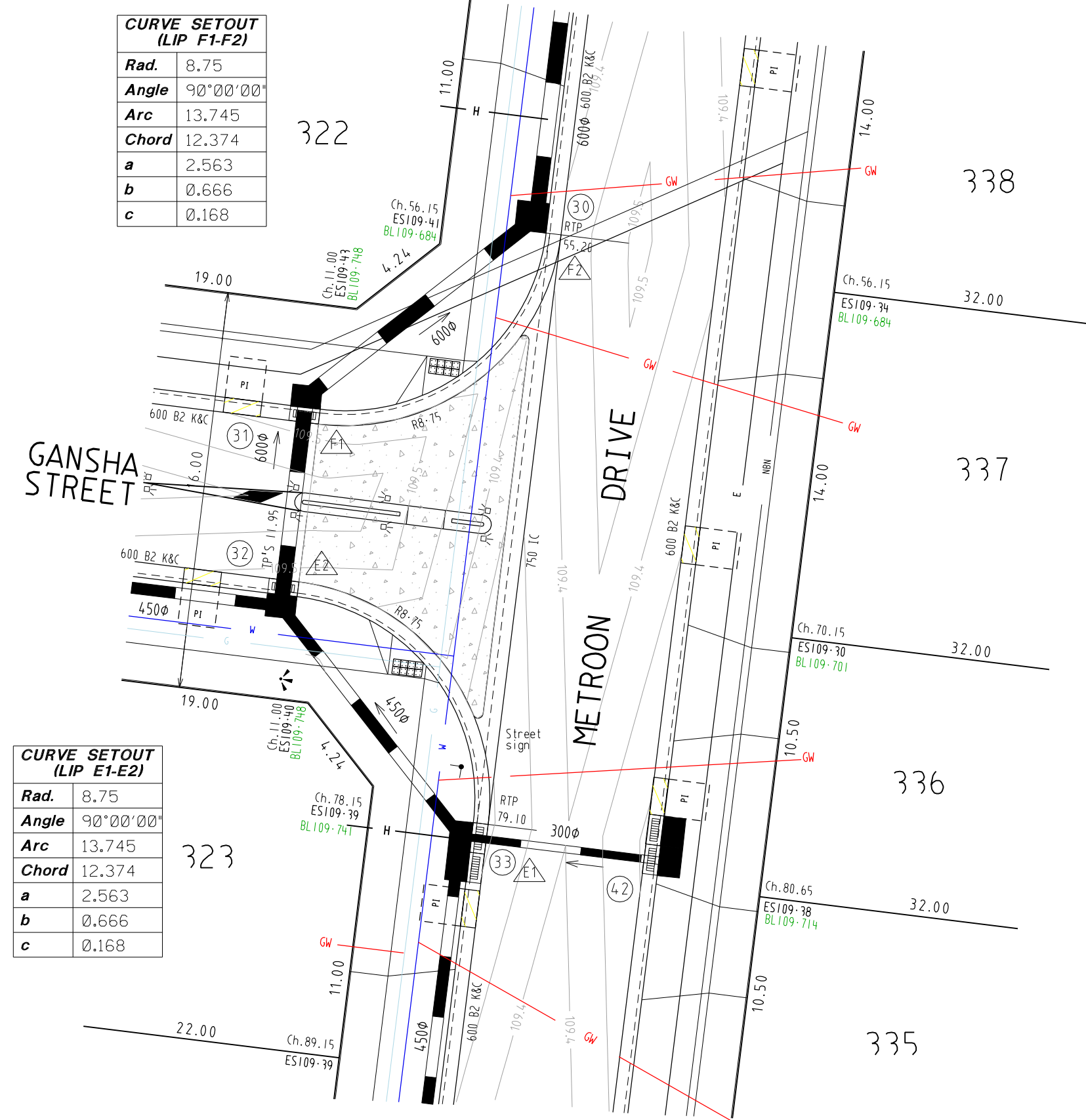
WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN

ATTENTION TO CONTRACTOR
WHERE CONCRETE WORKS ABOUT A SEWER ACCESS CHAMBER SURROUND OR SIMILAR STRUCTURE AN EXPANSION JOINT OF APPROVED MATERIAL SHALL BE PROVIDED BETWEEN THE TWO FACES

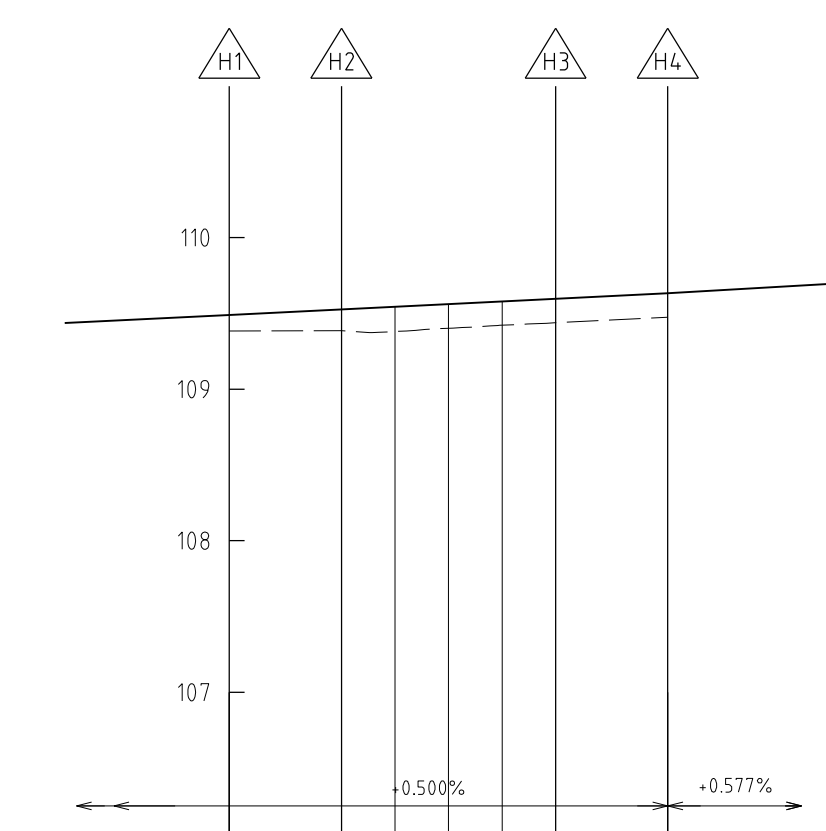
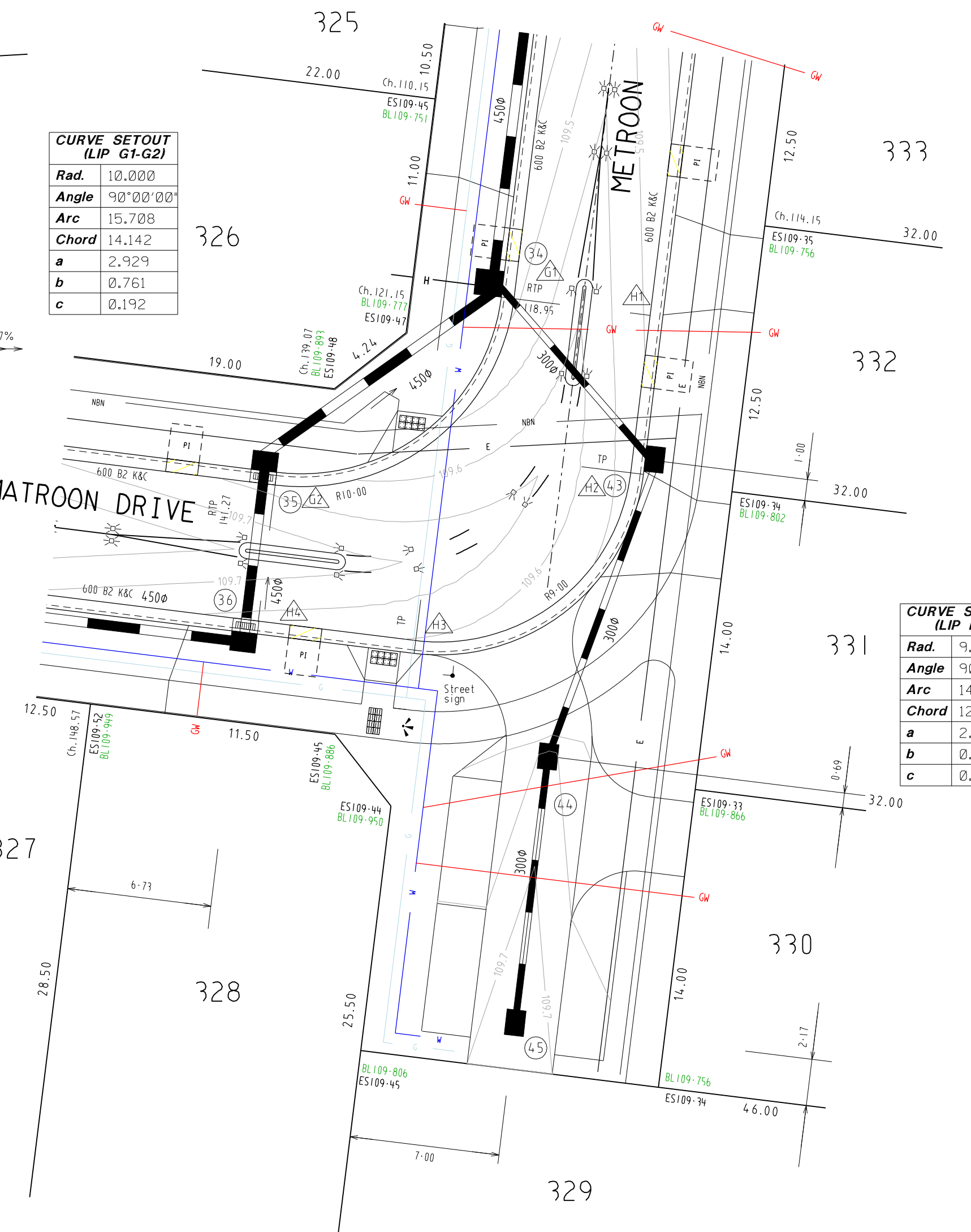
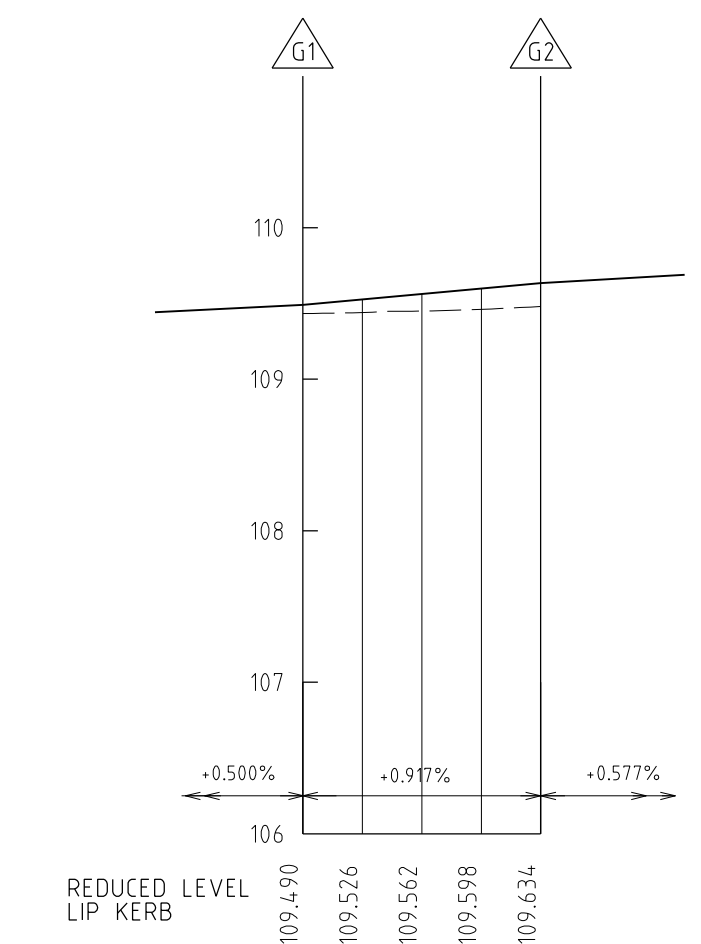
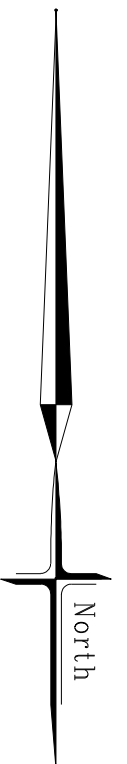
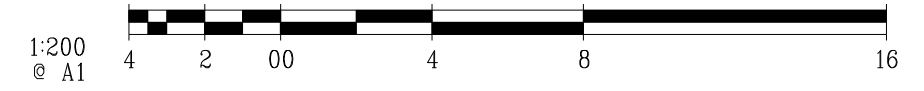
Drains <100		Ex/Natural/FS Level	
Sewer >100		FS @ Building Line	
Water		Top/Toe of Batter	
House Drain		Top Ret. Wall Level	
Property Inlet		100yr Flood Level	
Street Sign		Fill Prop/Ex	
PSM		Cut Prop/Ex	
Retaining Wall		Passive Irrigation Treatment	
Conduits 50mm			
Conduits 100mm			
Ex Gas/Elect/Tel			
Passive Irrigation Treatment			

AMENDMENTS	DATE	REMARKS
F	22.04.2020	HOUSE DRAIN LOCATION AMENDED LOT 364
E	11.03.2020	CONDUITS AMENDED, PASSIVE IRRIGATION AMENDED
D	11.02.2020	CONDUITS AMENDED, SEWER AMENDED, PASSIVE IRRIGATION AMENDED IN ELPIS
C	30.10.2019	ELEC SERVICES OFFSETS AMENDED
B	15.10.2019	KERB TYPE OLD BRIDGE BLVD AMENDED TO SM2
A	25.09.2019	CONSTRUCTION ISSUE

	breese pitt dixon pty. ltd. land surveyors civil engineers	1/19 coto street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
MELWAY REF.	342-J-7	MUNICIPALITY	MELTON
SURVEY	B.P.D.	REFERENCE	6751 E/3
DESIGN	RK	INTERSECTION DETAILS	
DRAWN	RK	SCALE	AS SHOWN
CHECKED		DATUM	AHD
		DATE	APR. 19
		SHEET	4 OF 22
		F	



INTERSECTION DETAILS



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

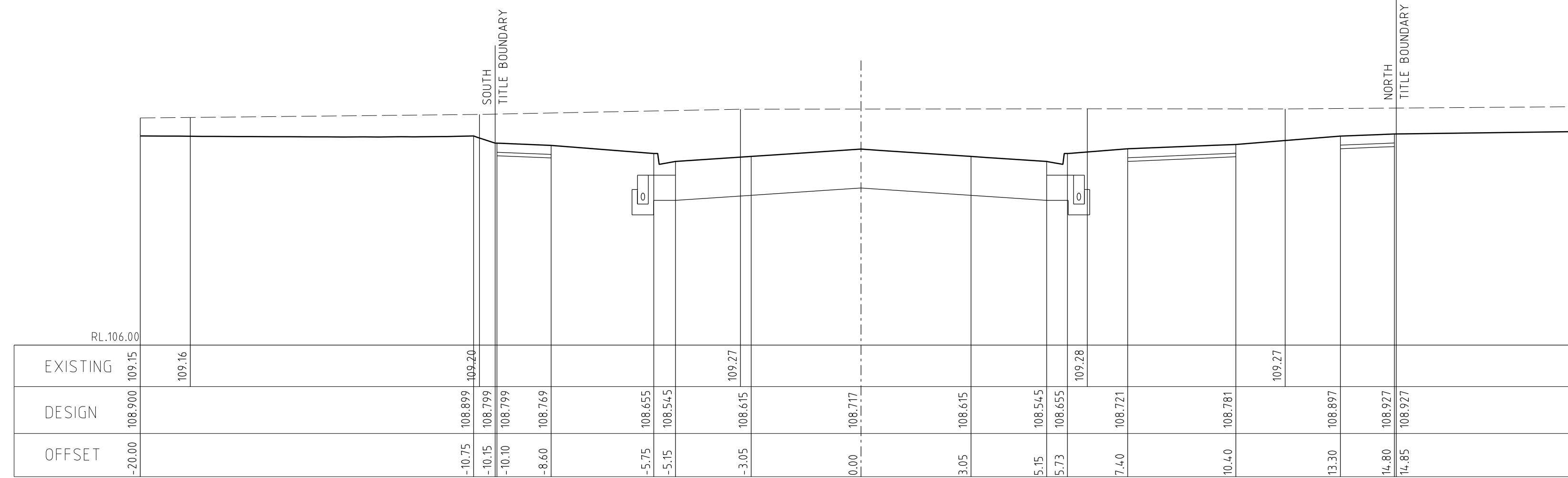
TACTILE GROUND SURFACE INDICATORS (TGSI) ARE TO BE INSTALLED WHERE SHOWN IN ACCORDANCE WITH AS 1428

ATTENTION TO CONTRACTOR
WHERE CONCRETE WORKS ABOUT A SEWER ACCESS CHAMBER SURROUND OR SIMILAR STRUCTURE AN EXPANSION JOINT OF APPROVED MATERIAL SHALL BE PROVIDED BETWEEN THE TWO FACES

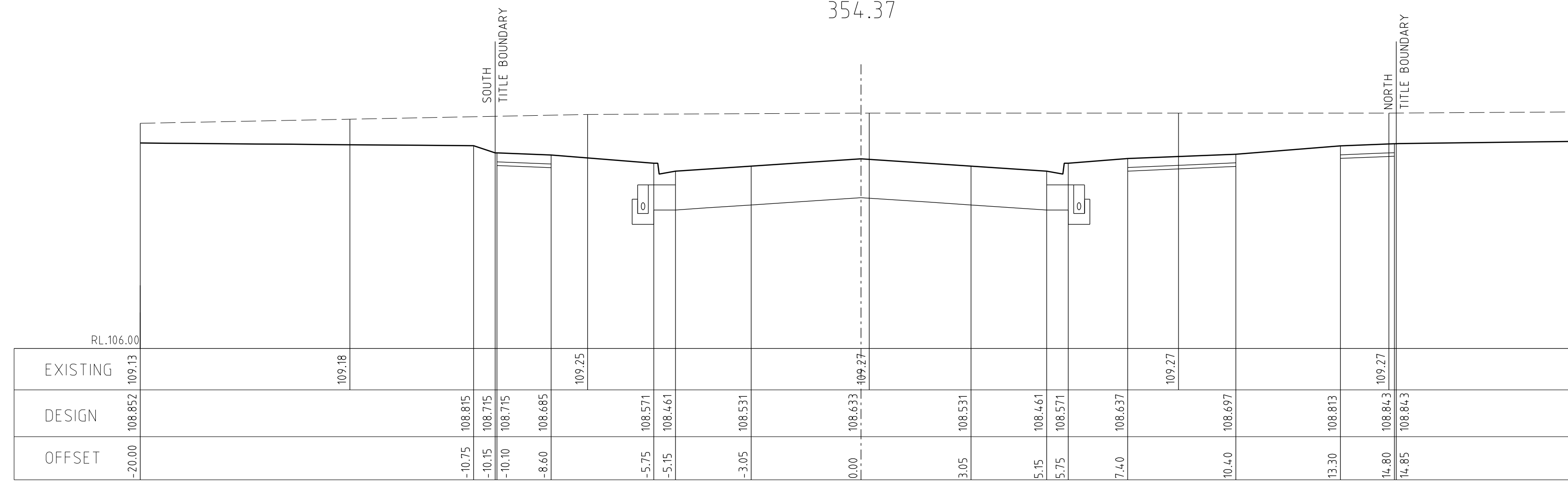
Drains		Ex/Natural/FS Level	
Sewer <300		FS @ Building Line	
Sewer >300		Top/Toe of Batter	
Water		Top Ret. Wall Level	
House Drain		100yr Flood Level	
Property Inlet		Fill Prop/Ex	
Street Sign		Cut Prop/Ex	
PSM			
Retaining Wall			
Conduits 50mm			
Conduits 100mm			
Ex Gas/Elect/Tel			
Passive Irrigation Treatment			

AMENDMENTS	DATE	REMARKS
F	22.04.2020	PASSIVE IRRIGATION AMENDED LOTS 326 & 338
E	11.03.2020	CONDUITS AMENDED, PASSIVE IRRIGATION AMENDED
D	11.02.2020	CONDUITS AMENDED, SEWER AMENDED, PASSIVE IRRIGATION AMENDED IN ELPI
C	22.11.2019	LEO ROAD RENAMED TO MATROON DRIVE
B	30.10.2019	ELEC SERVICES OFFSETS AMENDED
A	25.09.2019	CONSTRUCTION ISSUE

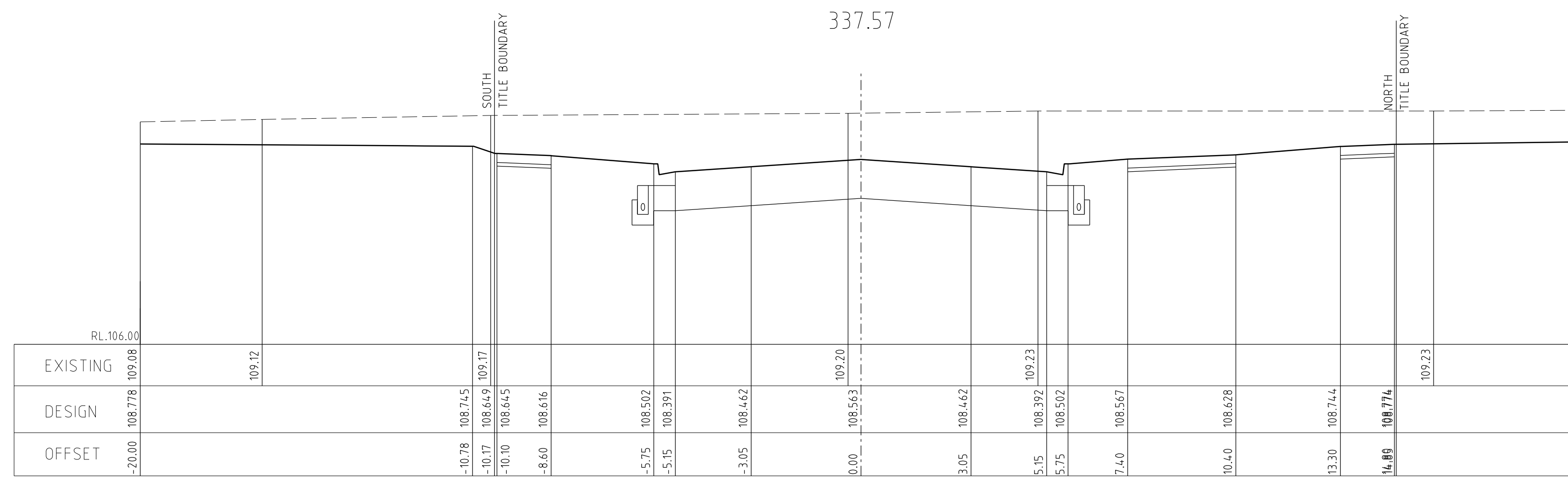
	breese pitt dixon pty. ltd. land surveyors civil engineers	1/19 coto street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310
MELWAY REF.	342-J-7	MUNICIPALITY MELTON
SURVEY	B. P. D.	
DESIGN	RK	REFERENCE 6751 E/3
DRAWN	RK	INTERSECTION DETAILS
CHECKED		SCALE AS SHOWN DATUM AHD DATE APR. 19 SHEET 5 OF 22 F



354.37



337.57

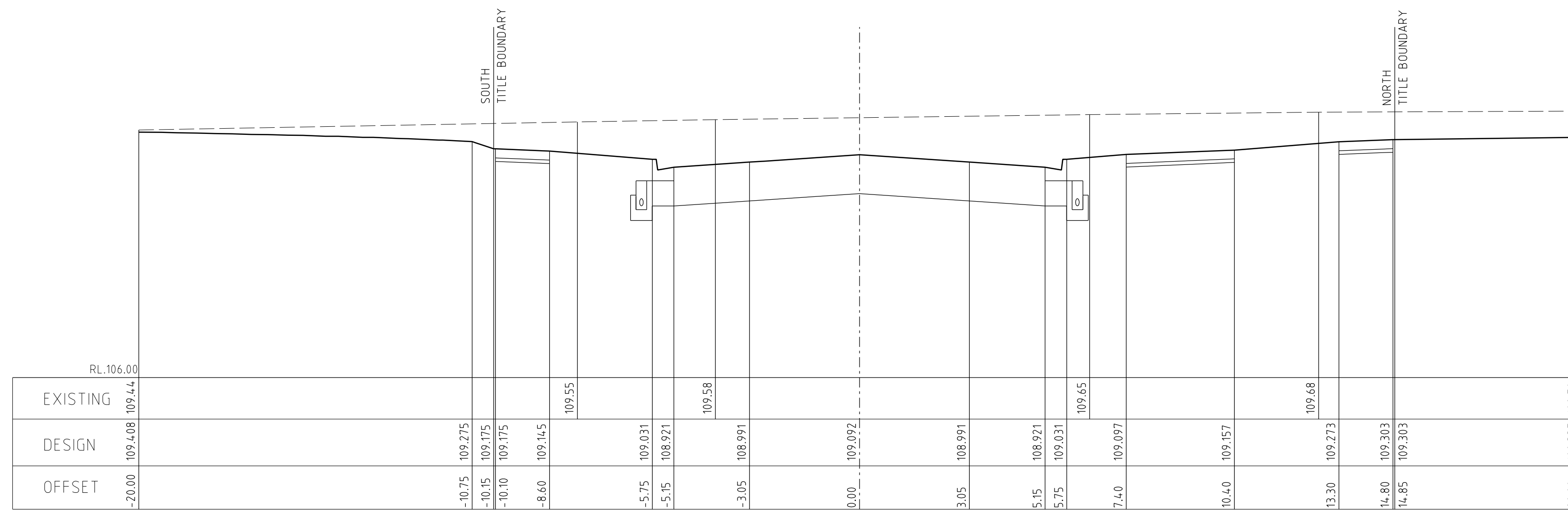


323.60

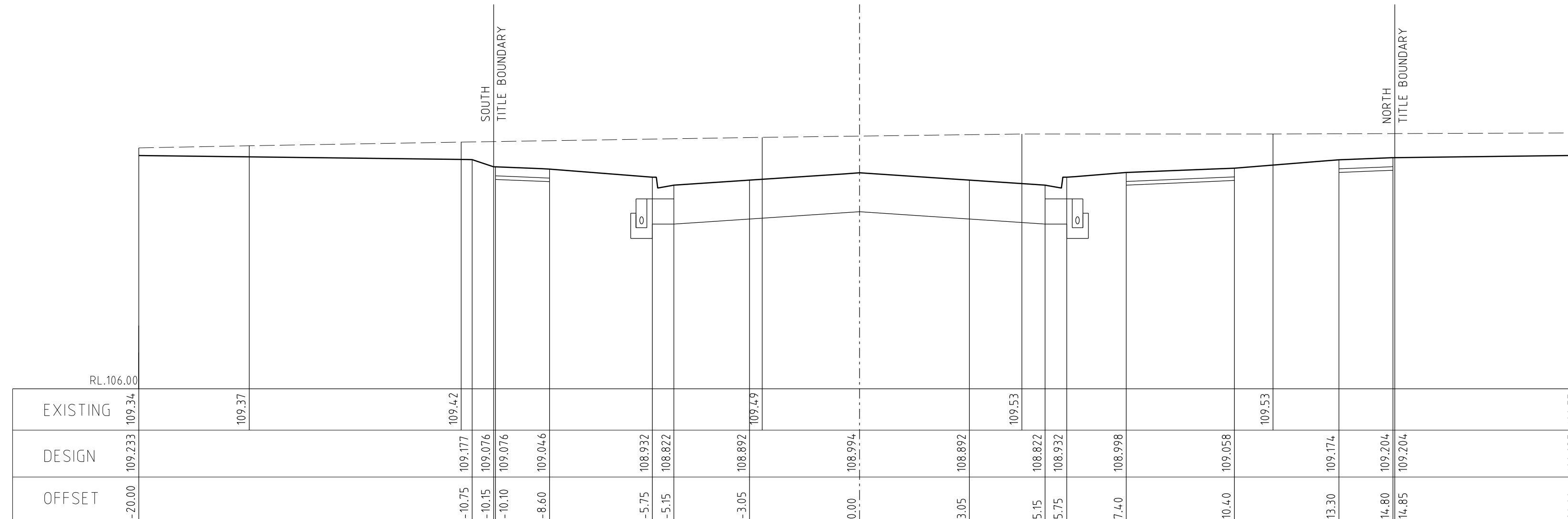
ELPIS ROAD CROSS SECTIONS

SCALE Hor. 1:100
Vert 1:50

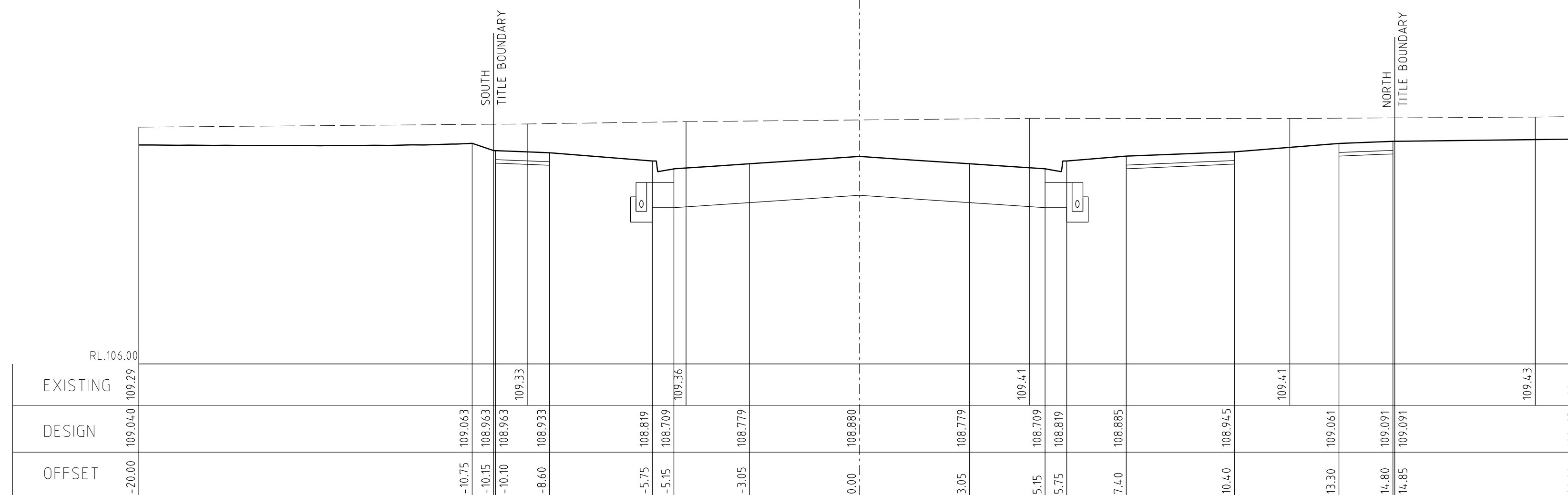
AMENDMENTS		MELWAY REF. 342-J-7 SURVEY B.P.D. DESIGN RK DRAWN RK	breese pitt dixon pty. ltd. land surveyors civil engineers	1/19 coto street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310
VER.	DATE			
A		25.09.2019	CONSTRUCTION ISSUE	OPALIA ESTATE STAGE 3 ELPIS ROAD CROSS SECTIONS
SCALE	AS SHOWN	DATUM	AHD	DATE
				APR. 19
SHEET		7	OF	22
A				



429.42



409.72

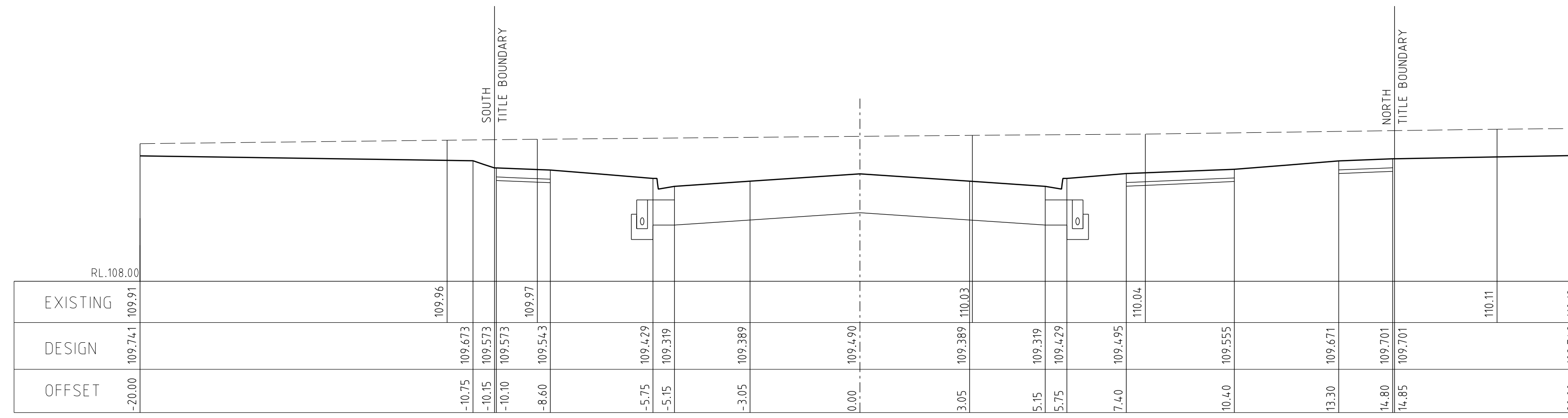


387.06

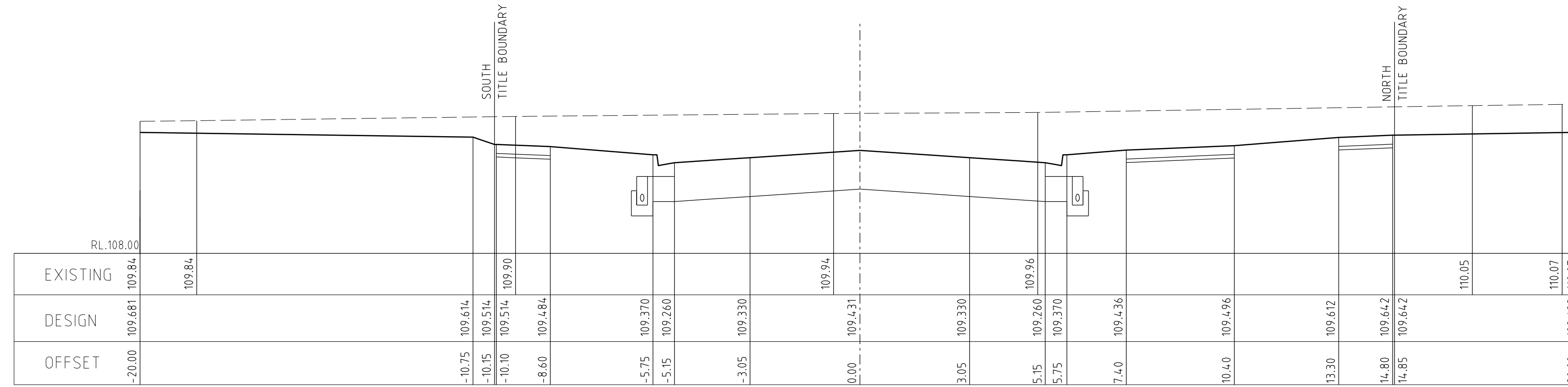
ELPIS ROAD CROSS SECTIONS

SCALE Hor. 1:100
Vert 1:50

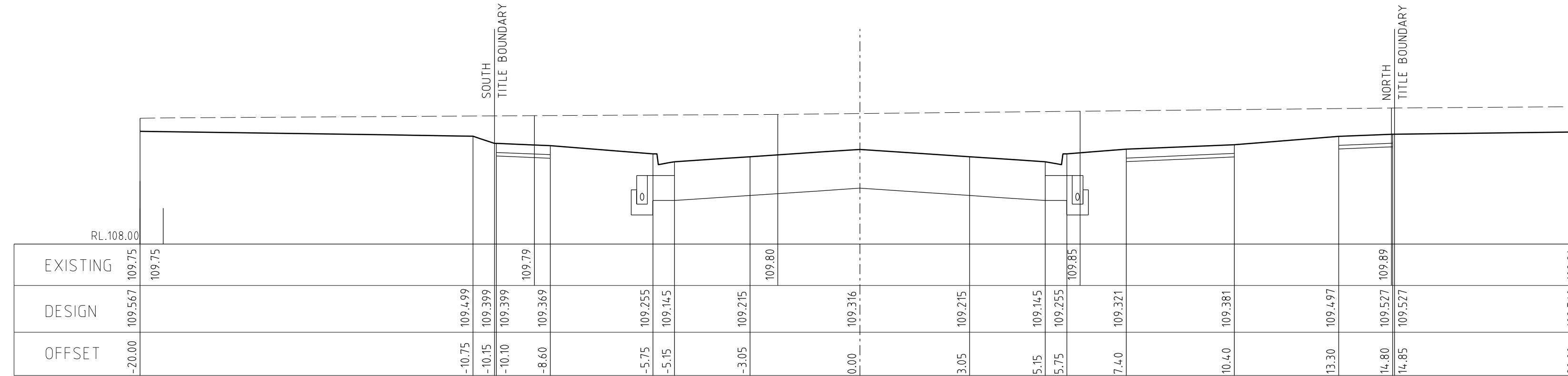
AMENDMENTS		MELWAY REF. 342-J-7 SURVEY B.P.D. DESIGN RK DRAWN RK		breese pitt dixon pty. ltd. land surveyors civil engineers 1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
		OPALIA ESTATE STAGE 3 ELPIS ROAD CROSS SECTIONS		MUNICIPALITY MELTON REFERENCE 6751 E/3	
VER.	DATE	REMARKS	CHECKED	SCALE AS SHOWN	DATUM AHD
A	25.09.2019	CONSTRUCTION ISSUE			
				DATE APR. 19	SHEET 8 OF 22



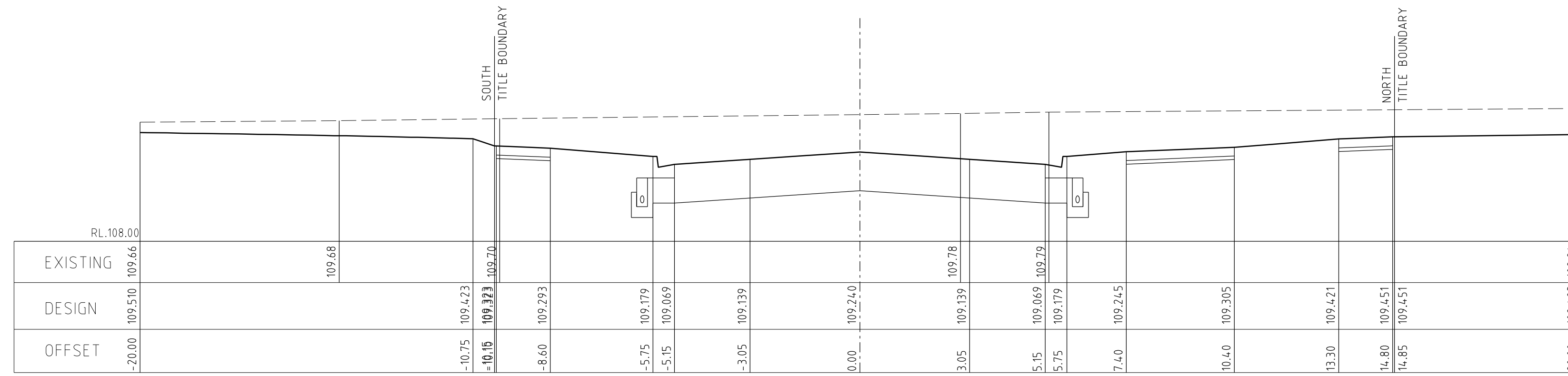
509.07



497.22



474.22



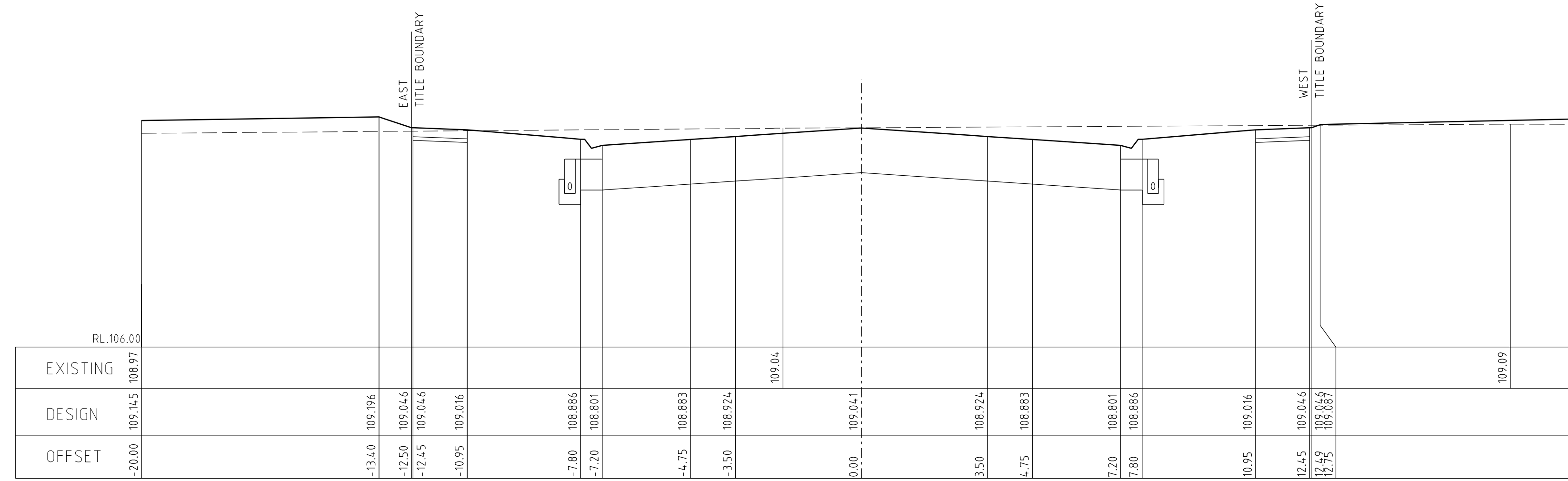
459.01

ELPIS ROAD CROSS SECTIONS

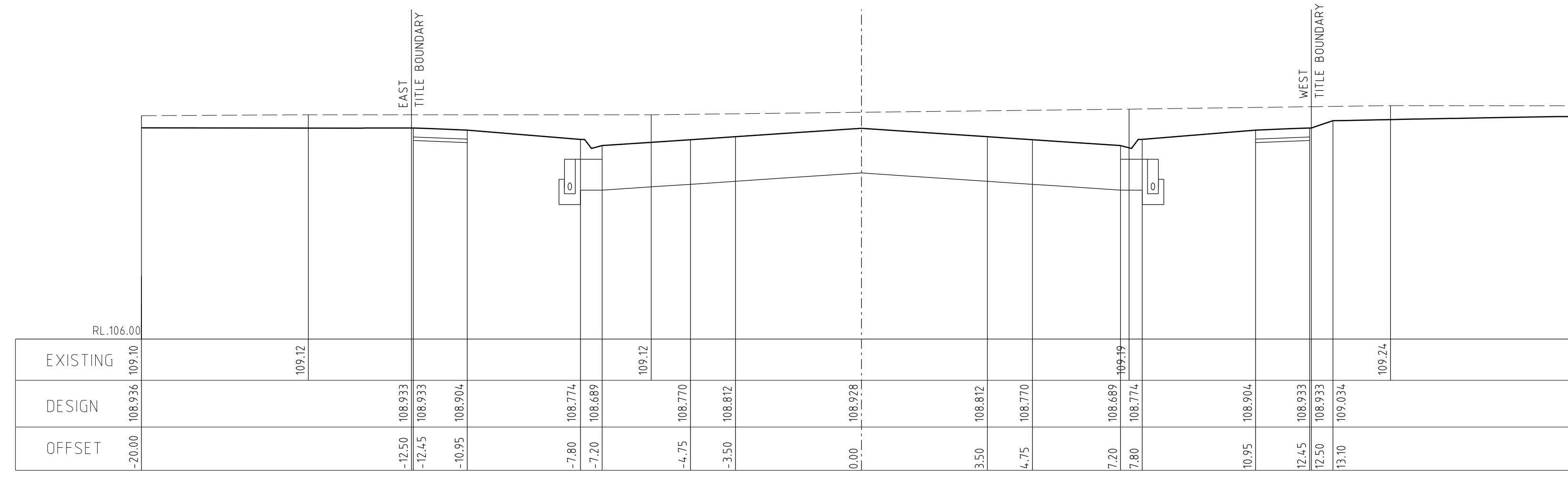
SCALE Hor. 1:100
Ver 1:50

AMENDMENTS	DATE	REMARKS	CHECKED	SCALE	AS SHOWN	DATUM	AHD	DATE	APR. 19	SHEET	9 OF 22	A
A	25.09.2019	CONSTRUCTION ISSUE										

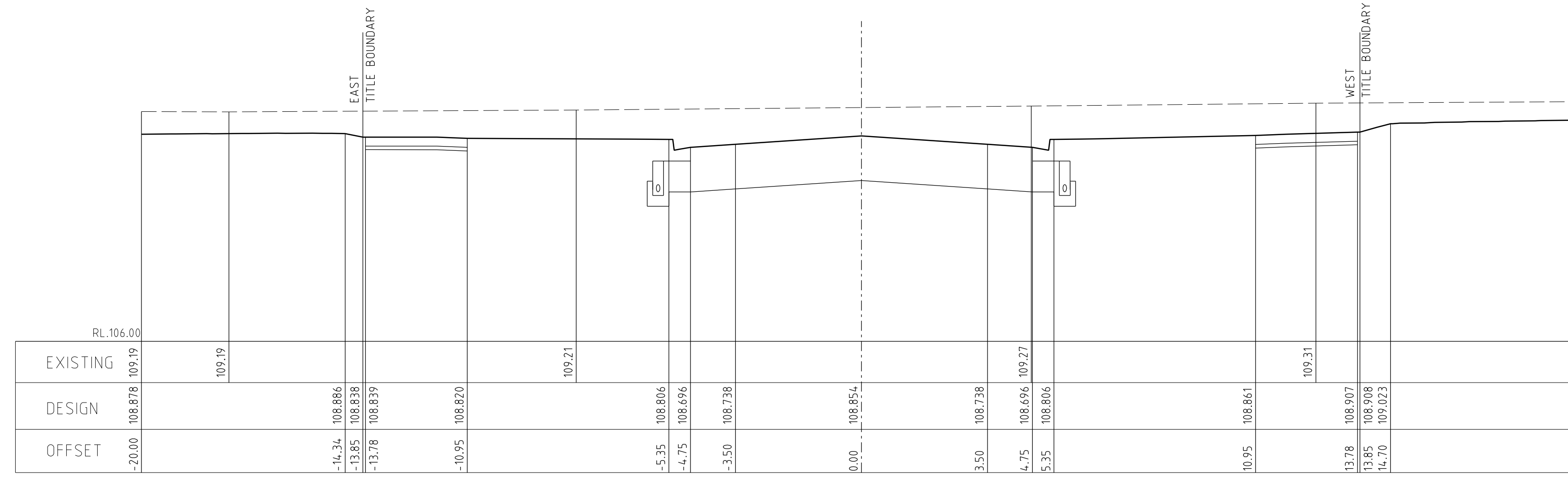
MELWAY REF.	342-J-7		breese pitt dixon pty. ltd. land surveyors civil engineers 1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310
SURVEY	B. P. D.		
DESIGN	RK		
		OPALIA ESTATE STAGE 3 ELPIS ROAD CROSS SECTIONS	MUNICIPALITY MELTON REFERENCE 6751 E/3
			MUNICIPALITY MELTON REFERENCE 6751 E/3



49.15



26.66

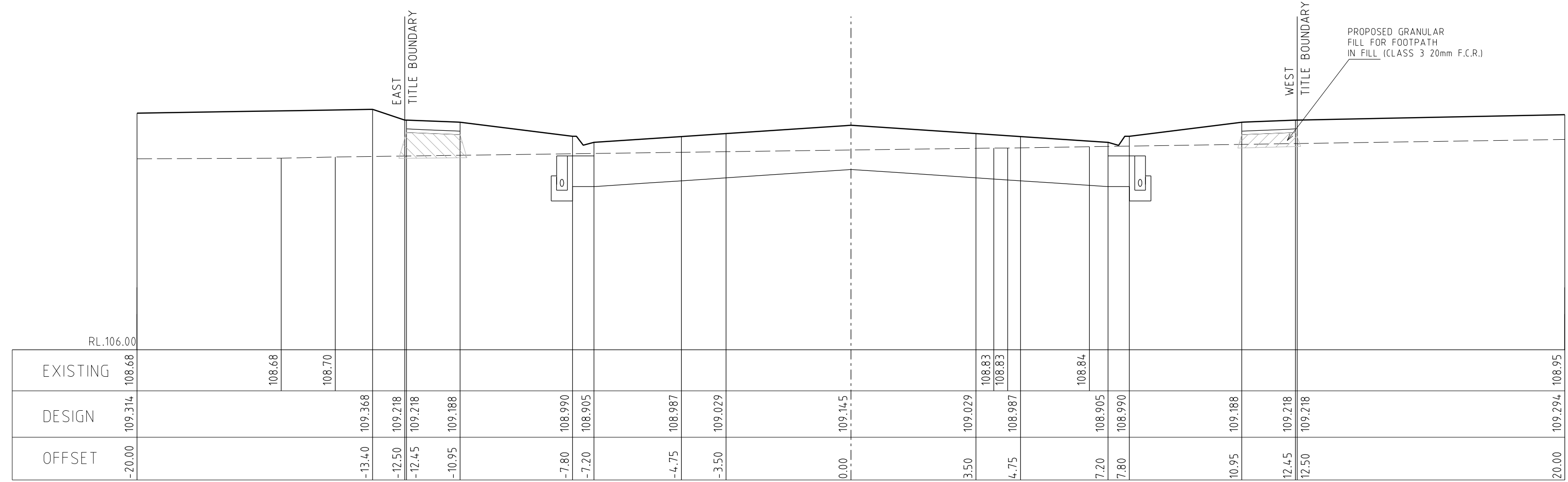


11.80

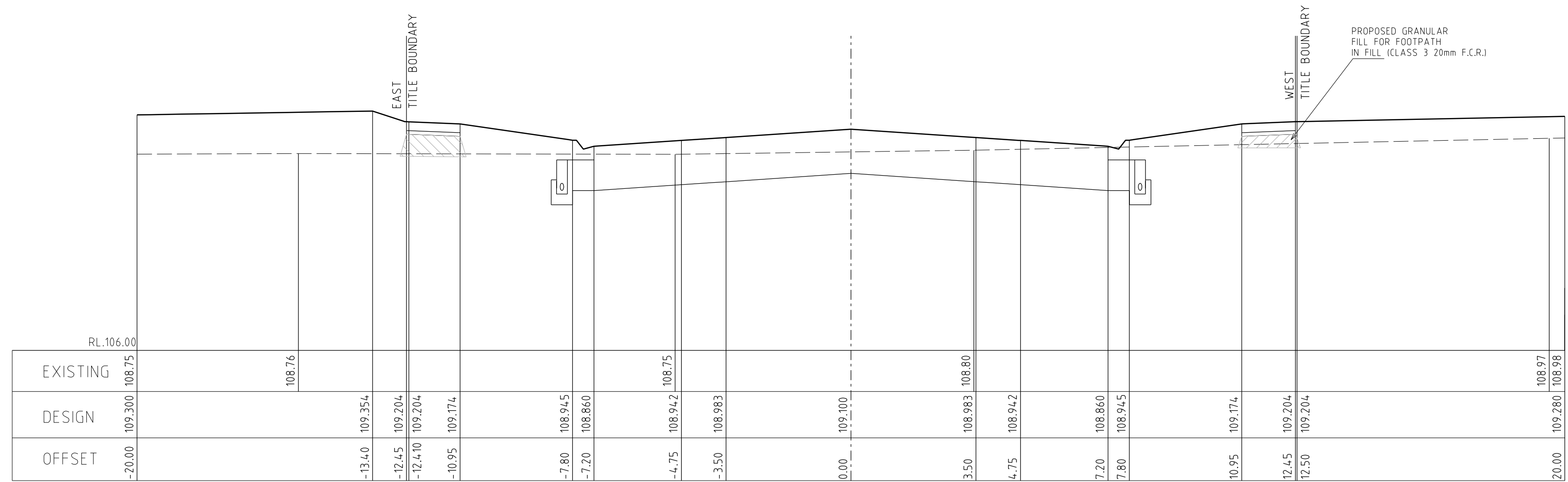
OLDBRIDGE BLVD CROSS SECTIONS

SCALE Hor. 1:100
Vert 1:50

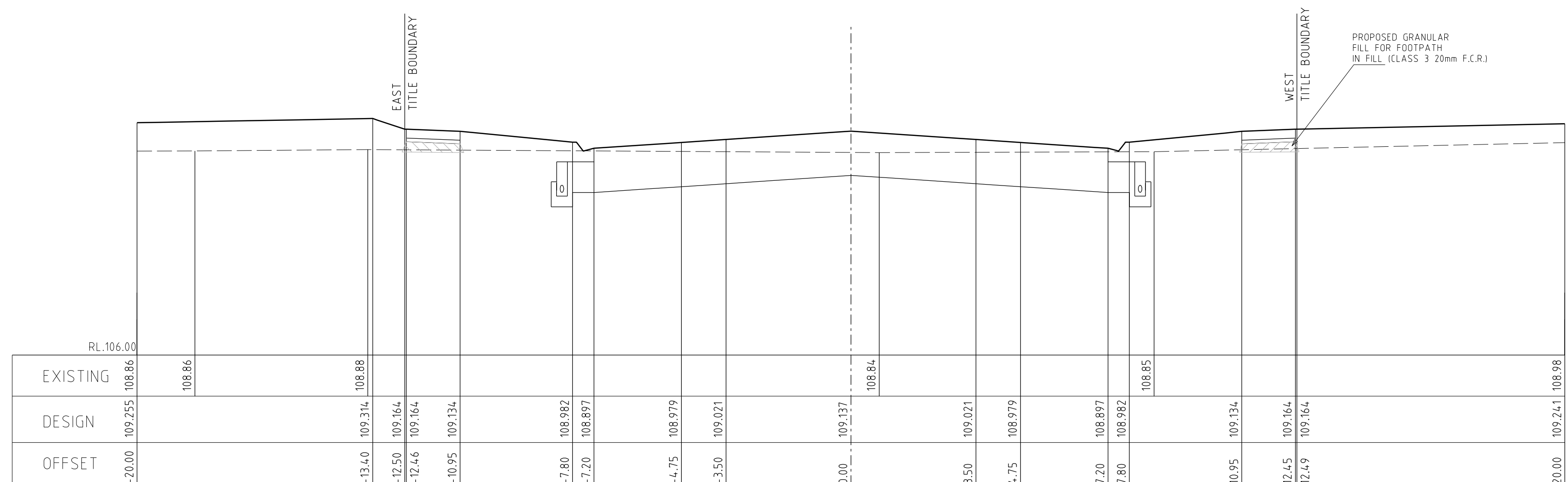
		breese pitt dixon pty. ltd. land surveyors civil engineers		1/19 coto street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
MELWAY REF. 342-J-7 SURVEY B.P.D. DESIGN RK DRAWN RK		OPALIA ESTATE STAGE 3 OLDBRIDGE BOULEVARD CROSS SECTIONS		MUNICIPALITY MELTON REFERENCE 6751 E/3	
AMENDMENTS B 15.10.2019 KERB TYPE OLDBRIDGE BLVD AMENDED TO SM2 A 25.09.2019 CONSTRUCTION ISSUE	VER DATE 	CHECKED 	REMARKS 	SCALE AS SHOWN 	DATUM AHD
DATE APR. 19			SHEET 11 OF 22	B	0:\bpd - 6751\design\stage 3\2019-10-15\6751-DES.dgn



110.05



100.96

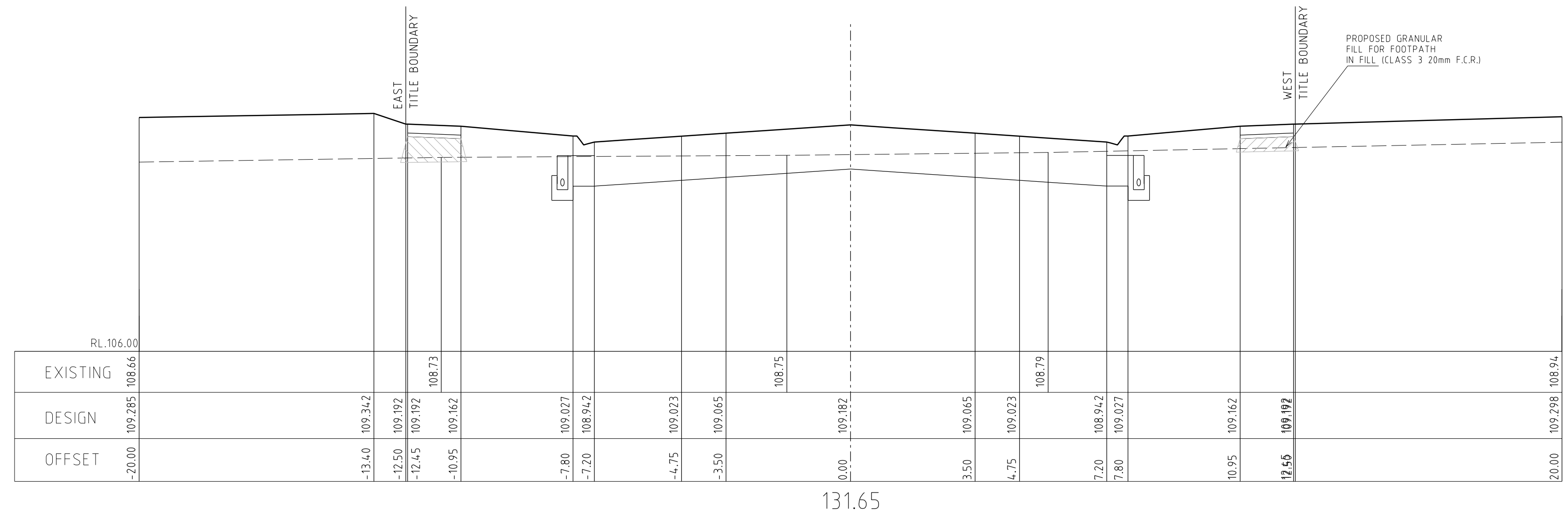
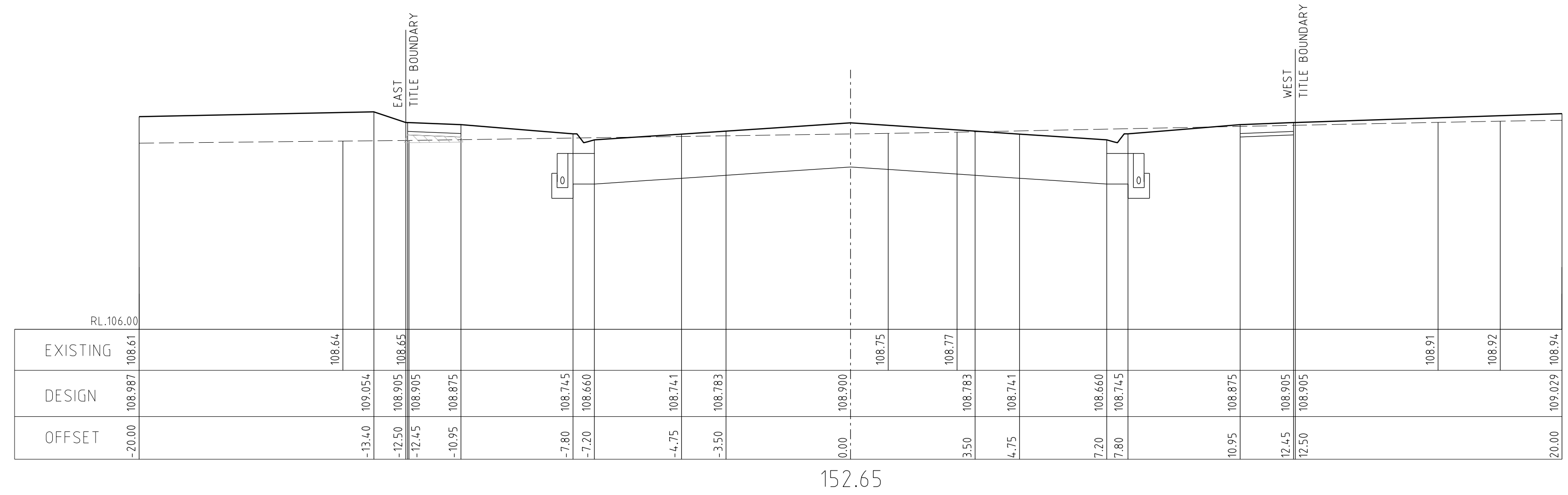
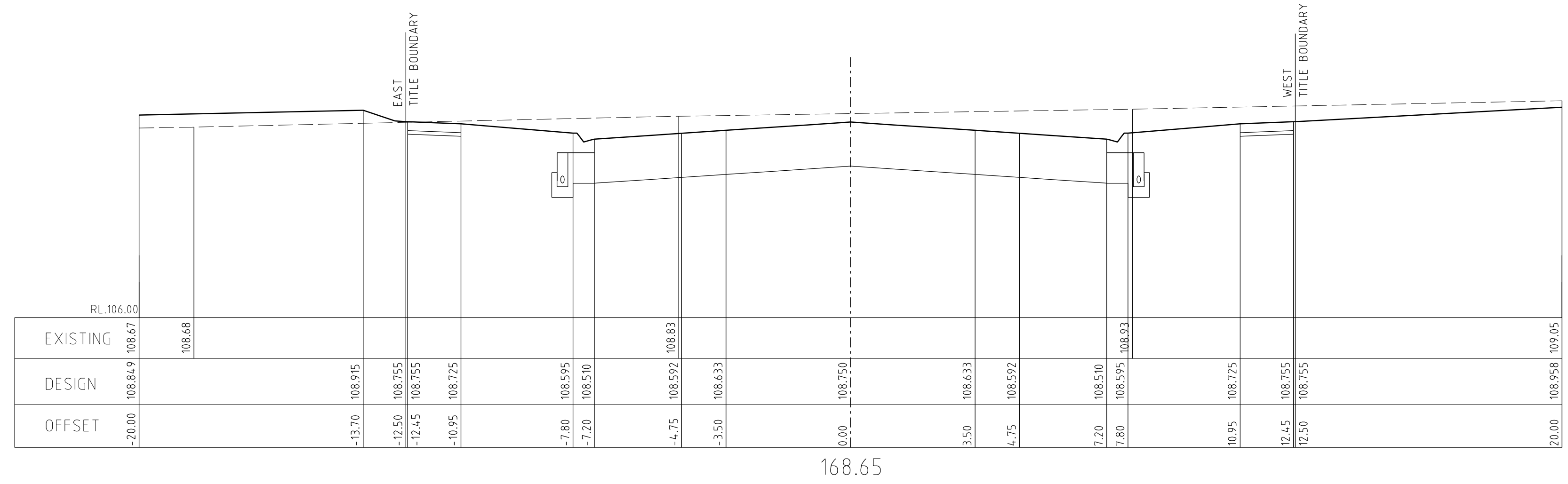


75.15

OLDBRIDGE BLVD CROSS SECTIONS

SCALE Hor. 1:100
Vert 1:50

		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. 342-J-7		SURVEY B.P.D.		MUNICIPALITY MELTON	
DESIGN RK		DRAWN RK		REFERENCE 6751 E/3	
AMENDMENTS		OPALIA ESTATE STAGE 3 OLDBRIDGE BOULEVARD CROSS SECTIONS		SHEET 12 OF 22	
VER DATE REMARKS		CHECKED		SCALE AS SHOWN DATUM AHD DATE APR. 19	



OLDBRIDGE BLVD CROSS SECTIONS

SCALE Hor. 1:100
Vert 1:50

		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. 342-J-7		SURVEY B.P.D.		MUNICIPALITY MELTON	
DESIGN RK		DRAWN RK		REFERENCE 6751 E/3	
AMENDMENTS		OPALIA ESTATE STAGE 3 OLDBRIDGE BOULEVARD CROSS SECTIONS		SHEET 13 OF 22	
VER. DATE		CHECKED		SCALE AS SHOWN DATUM AHD DATE APR. 19	
REMARKS		B 15.10.2019 KERB TYPE OLDBRIDGE BLVD AMENDED TO SM2		SHEET 13 OF 22	
A 25.09.2019 CONSTRUCTION ISSUE		DATE APR. 19		B	

ORIGINAL EXISTING SURFACE WEST TITLE BOUNDARY
ORIGINAL EXISTING SURFACE EAST TITLE BOUNDARY
ORIGINAL EXISTING SURFACE CENTRE LINE ROAD

FRONT LEFT & RIGHT PED PATH
DESIGN LEFT & RIGHT DRIVING LIP

END WORKS
STAGE 3
CH.16.107

ORIGINAL EXISTING SURFACE NORTH TITLE BOUNDARY
ORIGINAL EXISTING SURFACE SOUTH TITLE BOUNDARY
ORIGINAL EXISTING SURFACE CENTRE LINE ROAD

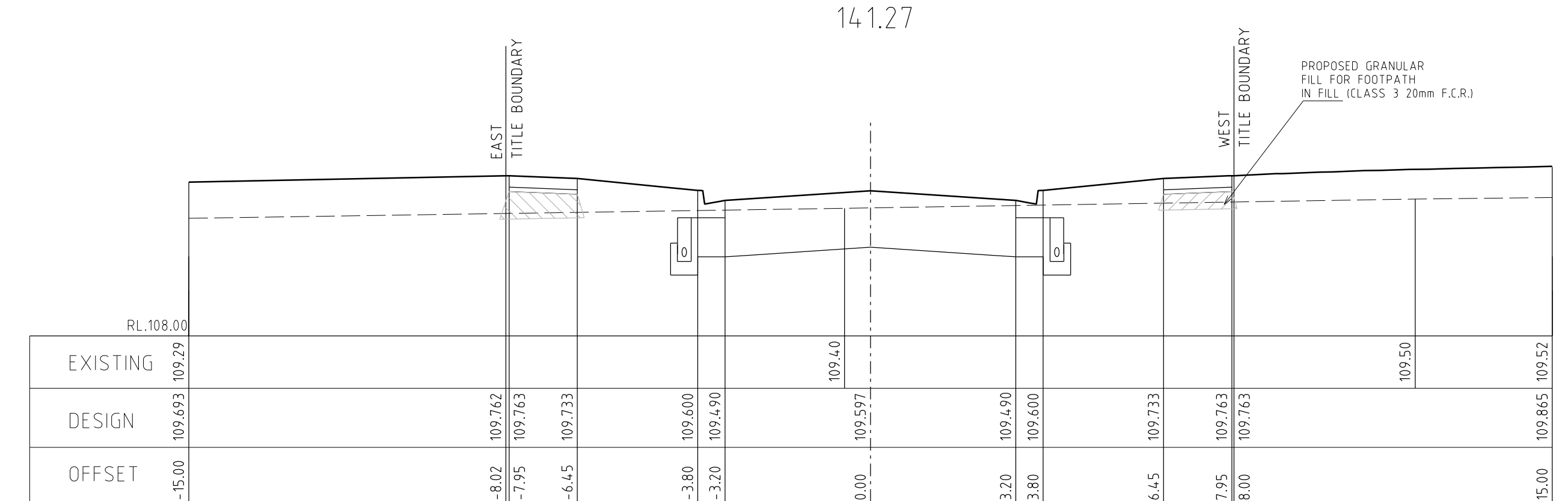
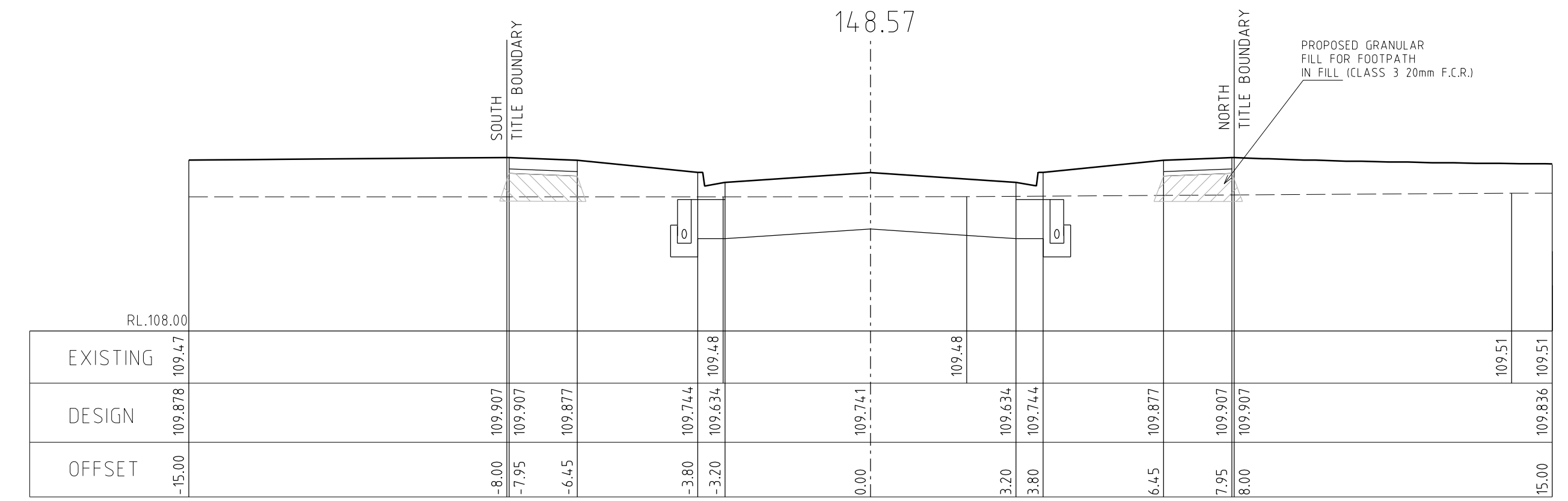
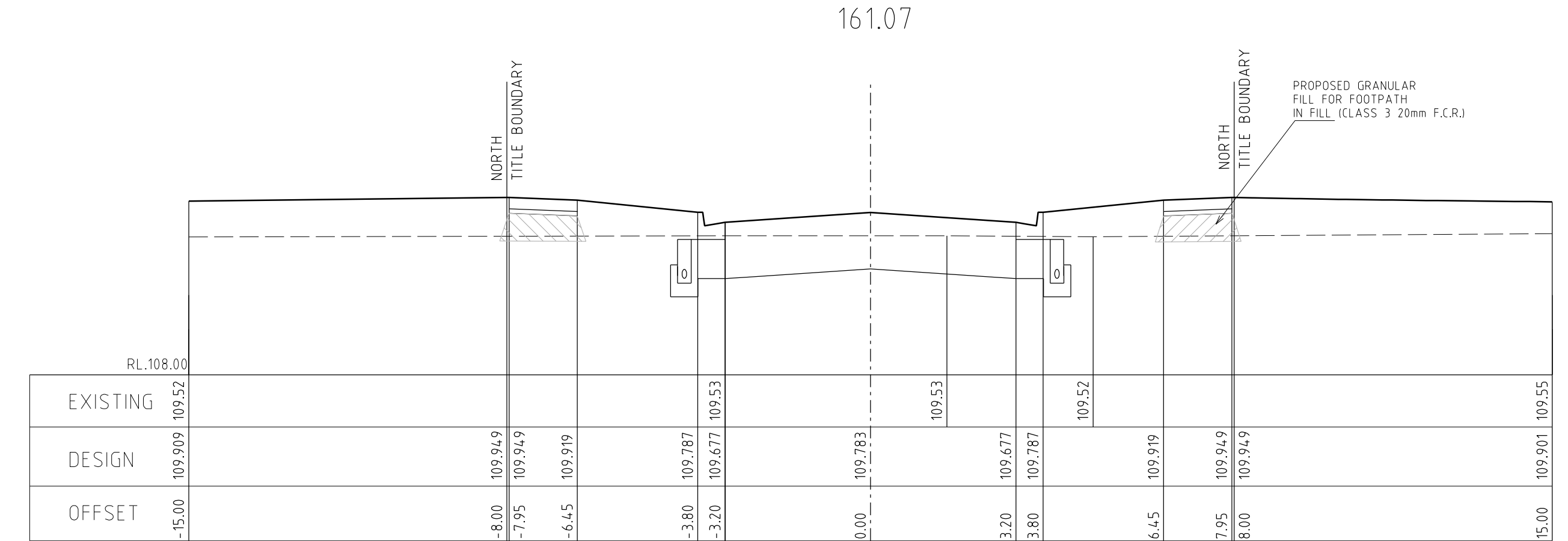
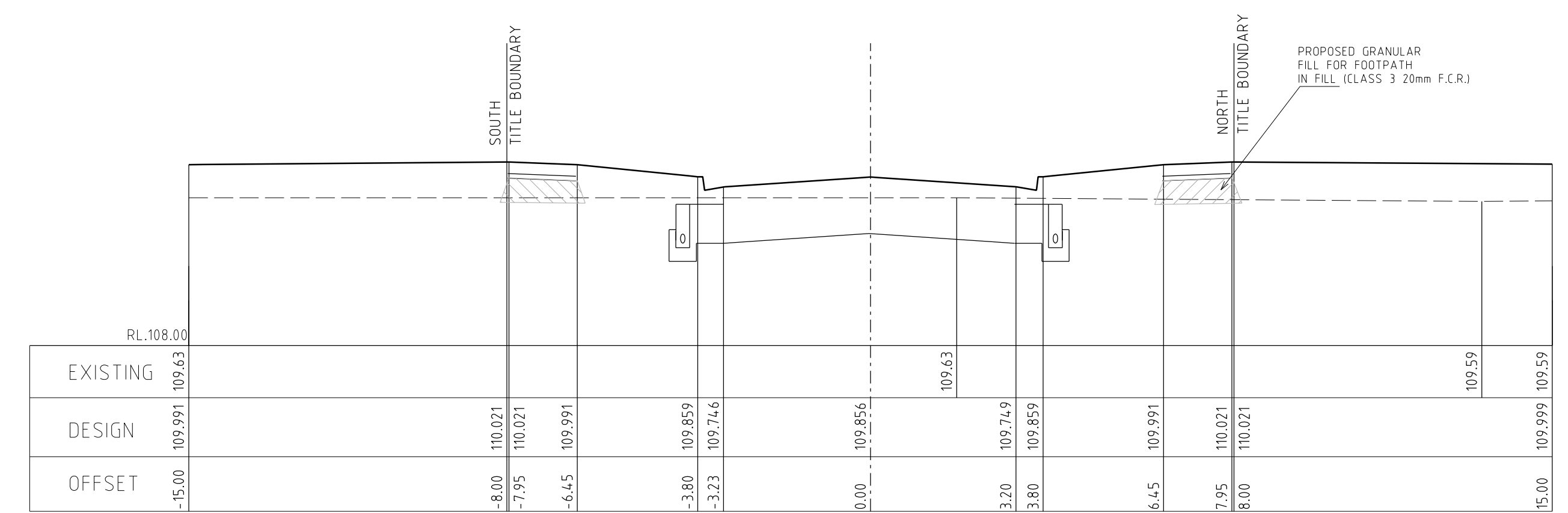
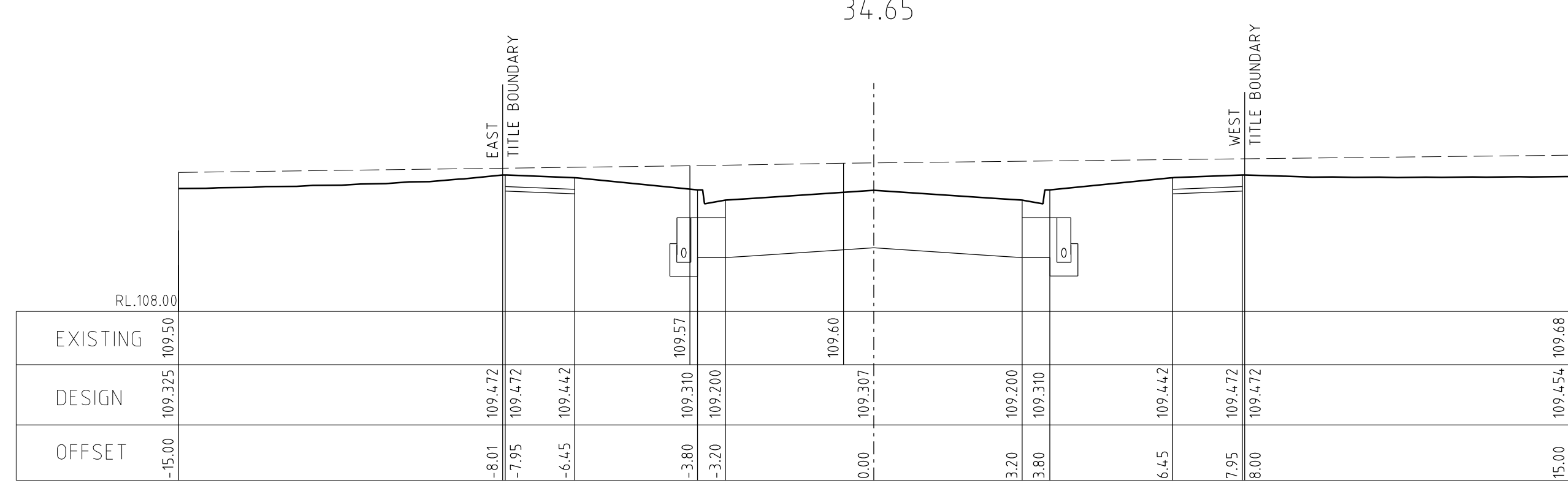
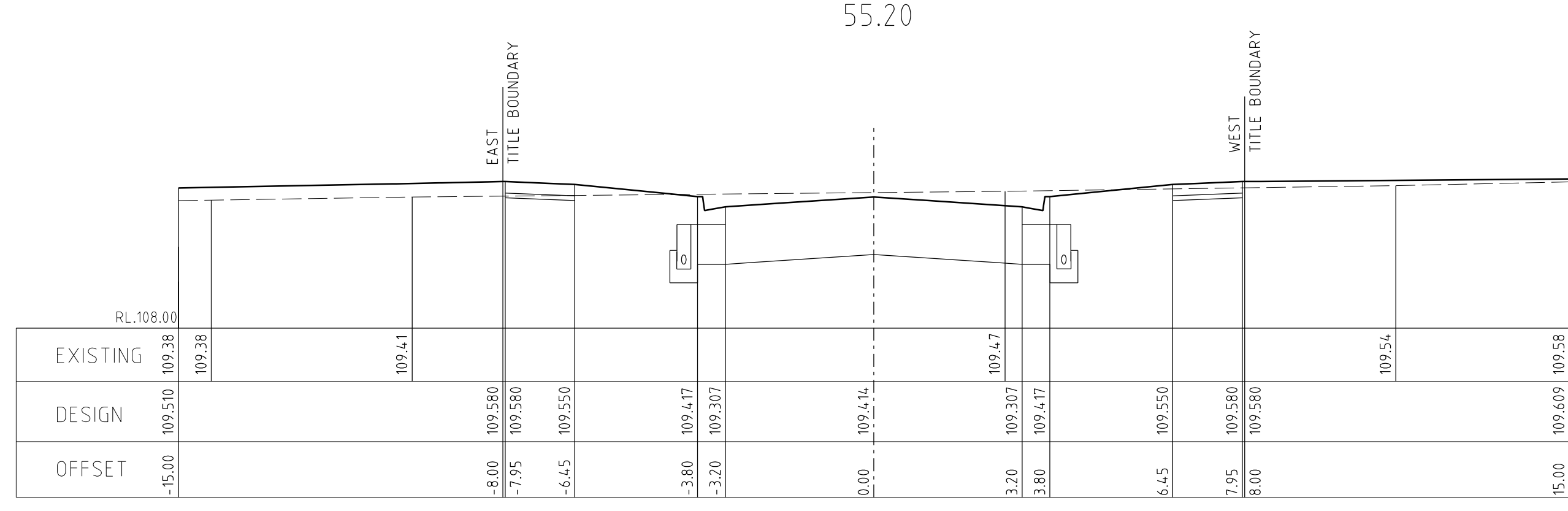
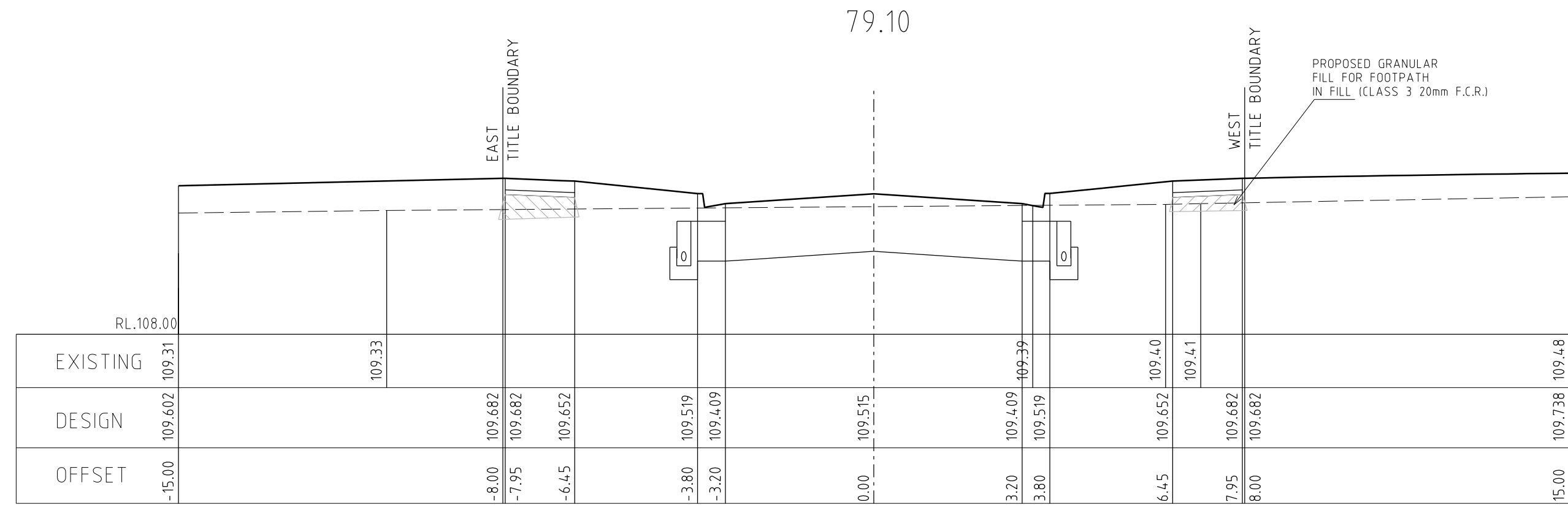
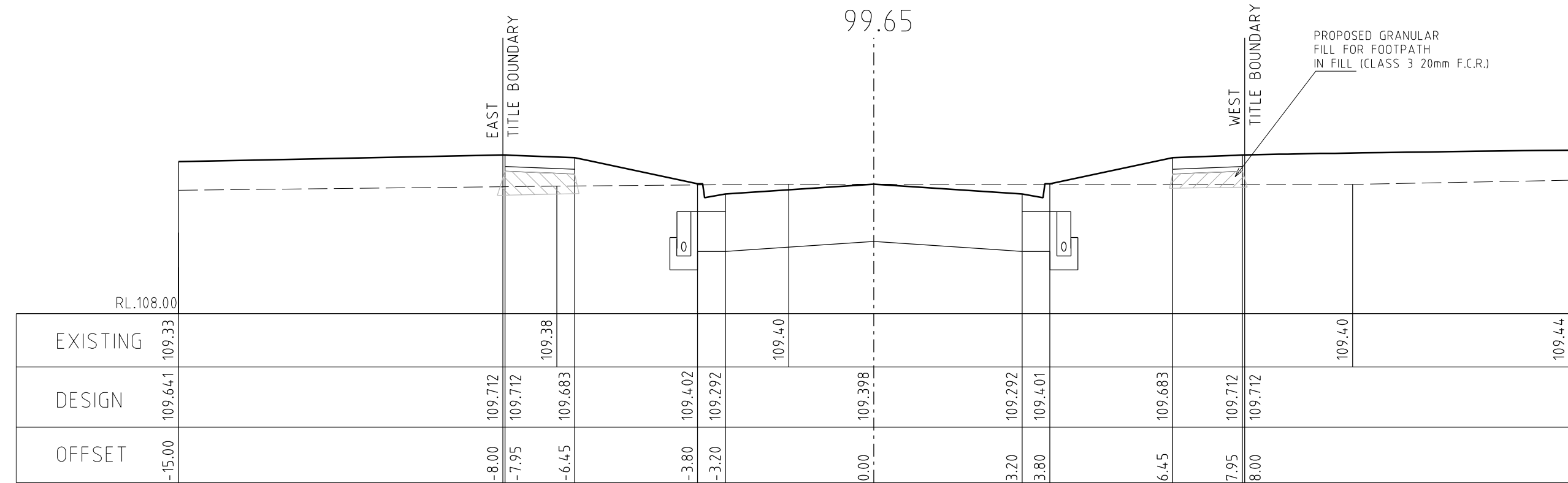
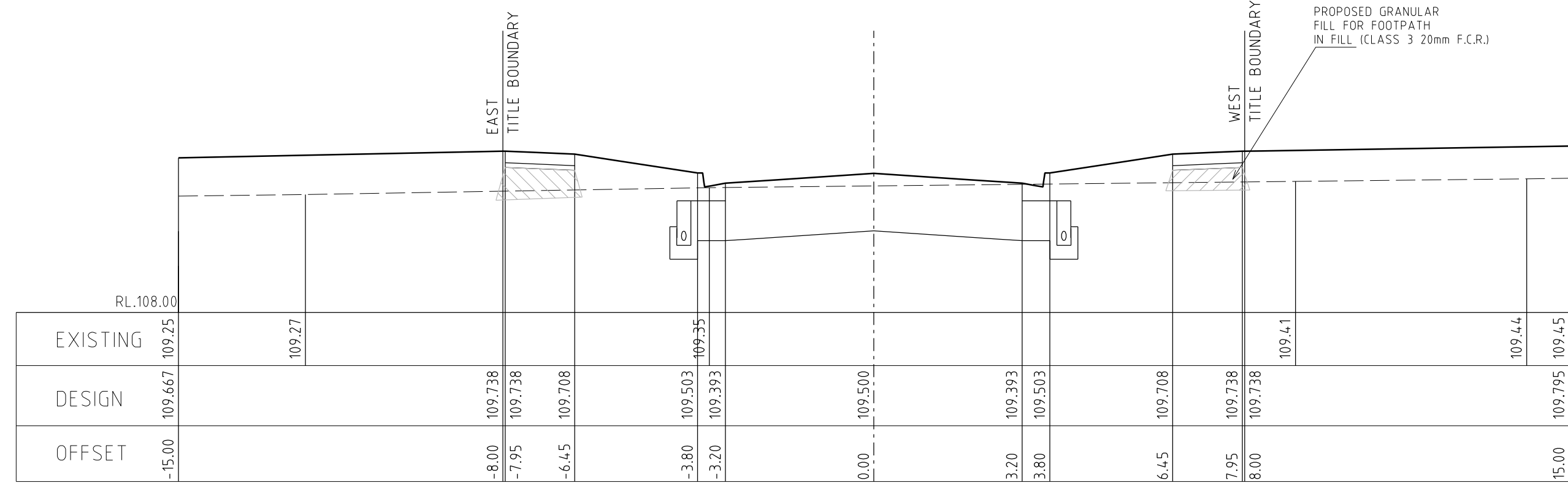
GRADES LEFT & RIGHT DRIVING LIP OF KERB
Datum R.L. 100.00

CHAINAGE CENTRE LINE ROAD	ES CENTRE LINE ROAD	ES RIGHT TITLE BOUNDARY	DESIGN RIGHT FRONT PATH	DESIGN RIGHT DRIVING LIP OF KERB	DESIGN LEFT DRIVING LIP OF KERB	DESIGN LEFT FRONT PATH	ES LEFT TITLE BOUNDARY
0.00	109.70						
10.00	109.62	109.66	109.442	109.193	109.193	109.442	109.57
11.80							
13.15							
20.00	109.56	109.60	109.477	109.234	109.234	109.477	109.49
24.15							
30.00	109.50	109.55	109.527	109.284	109.284	109.527	109.44
34.65							
34.95							
40.00	109.40	109.48	109.577	109.334	109.334	109.577	109.39
42.15							
45.15							
50.00	109.39	109.44	109.627	109.384	109.384	109.627	109.37
55.20	109.38						
56.15							
60.00	109.35	109.40	109.654	109.405	109.405	109.654	109.32
70.00	109.33	109.37					
70.15							
78.15							
79.10	109.40	109.40	109.683	109.291	109.291	109.683	109.38
80.00	109.40	109.40	109.684	109.295	109.295	109.684	109.38
80.65							
89.15							
90.00	109.38	109.39	109.695	109.341	109.341	109.695	109.35
91.15							
99.65							
100.00	109.37	109.41	109.709	109.395	109.395	109.709	109.31
101.65							
103.00	109.40	109.45	109.721	109.445	109.445	109.721	109.33
103.15							
114.15							
118.85	109.41	109.47	109.726	109.466	109.466	109.726	109.35
120.00	109.41	109.47	109.732	109.490	109.490	109.732	109.35
122.65	109.41	109.47	REFER INTERSECTION DETAIL	REFER INTERSECTION DETAIL	REFER INTERSECTION DETAIL	REFER INTERSECTION DETAIL	109.38
130.00	109.42	109.47	REFER INTERSECTION DETAIL	REFER INTERSECTION DETAIL	REFER INTERSECTION DETAIL	REFER INTERSECTION DETAIL	109.46
137.57	109.46	109.47					109.47
140.00	109.47	109.49	109.877	109.635	109.635	109.877	109.54
141.27							
148.57							
150.00	109.54	109.53	109.919	109.677	109.677	109.919	109.62
155.07							
160.00	109.62	109.60	109.974	109.732	109.732	109.974	109.68
161.07							
170.00	109.70	109.69	110.043	109.800	109.800	110.043	109.79
180.00	109.76	109.78	110.101	109.858	109.858	110.101	109.88
196.00	109.81	109.81	110.158	109.916	109.916	110.158	109.92
200.00	109.88	109.90	110.216	109.973	109.973	110.216	109.99
210.00	109.98	110.04	110.274	110.031	110.031	110.274	110.05
220.00	110.11	110.14	110.331	110.089	110.089	110.331	

METROON DRIVE LONGITUDINAL SECTION

SCALE Hor. 1:50
Vert 1:50

AMENDMENTS		MELWAY REF. 342-J-7		breese pitt dixon pty. ltd. land surveyors civil engineers		1/19 colo street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
B	22.11.2019	LEO ROAD RENAMED TO MATROON DRIVE	DESIGN	RK	OPALIA ESTATE STAGE 3	REFERENCE 6751 E/3	MUNICIPALITY MELTON
A	25.09.2019	CONSTRUCTION ISSUE	DRAWN	RK	METROON DRIVE LONGITUDINAL SECTION	SHEET 14 OF 22	B
VER	DATE	REMARKS	CHECKED	SCALE AS SHOWN	DATUM AHD	DATE APR. 19	



METROON DRIVE CROSS SECTIONS

SCALE Hor. 1:100
Vert 1:50

AMENDMENTS	B	22.11.2019	LEO ROAD RENAMED TO METROON DRIVE	MELWAY REF.	342-J-7	 breese pitt dixon pty. ltd. land surveyors civil engineers 1/19 coto street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	MUNICIPALITY
	A	25.09.2019	CONSTRUCTION ISSUE	SURVEY	B.P.D.		
	VER.	DATE	REMARKS	DESIGN	RK		
				DRAWN	RK		
				<p>OPALIA ESTATE STAGE 3</p> <p>METROON DRIVE CROSS SECTIONS</p>		REFERENCE	6751 E/3
				SCALE	AS SHOWN	DATUM	AHD
				CHECKED		DATE	APR. 19
						SHEET	15 OF 22

FRONT LEFT & RIGHT PED PATH
 DESIGN LEFT & RIGHT DRIVING LIP
 ORIGINAL EXISTING SURFACE NORTH TITLE BOUNDARY
 ORIGINAL EXISTING SURFACE SOUTH TITLE BOUNDARY
 ORIGINAL EXISTING SURFACE CENTRE LINE ROAD

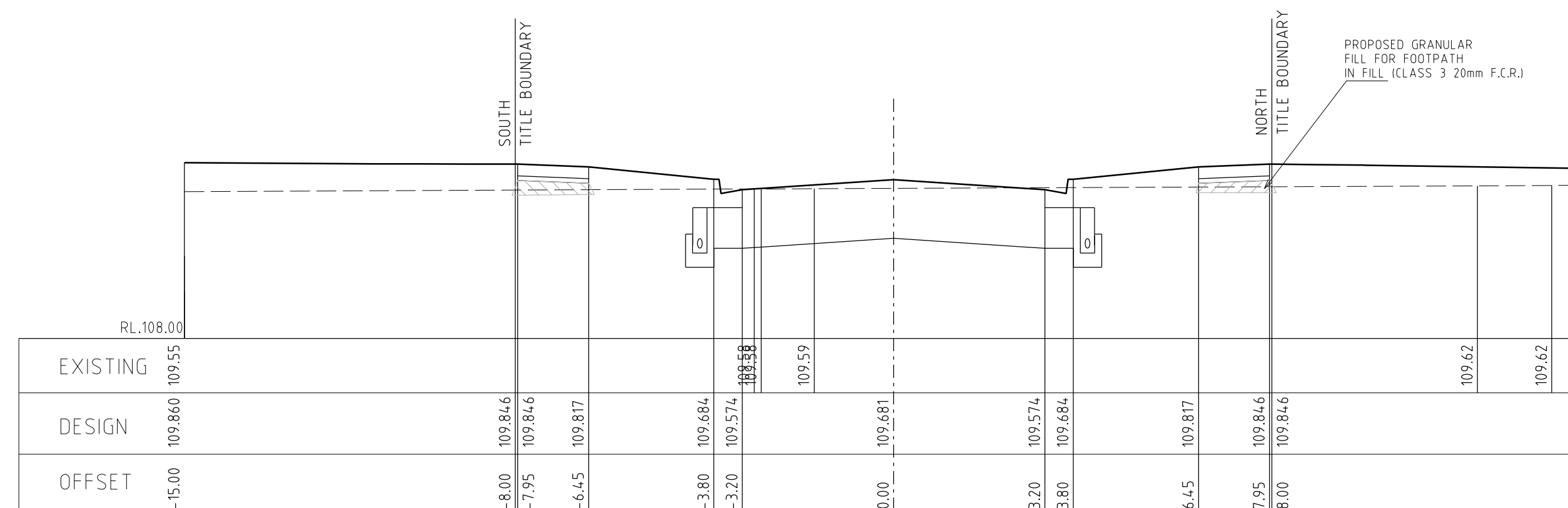
GRADES LEFT & RIGHT DRIVING LIP OF KERB
 Datum R.L. 100.00

ES LEFT TITLE BOUNDARY	109.37	109.39	109.42	109.49	109.57	109.66	109.75	109.83	109.90	109.98
DESIGN LEFT FRONT PATH		109.718	109.723	109.765	109.816	109.868	109.920	109.971	110.023	110.075
DESIGN LEFT DRIVING LIP OF KERB		109.481	109.522	109.574	109.626	109.677	109.729	109.781	109.832	110.075
DESIGN RIGHT DRIVING LIP OF KERB		109.481	109.522	109.574	109.626	109.677	109.729	109.781	109.832	110.075
DESIGN RIGHT FRONT PATH		109.718	109.723	109.765	109.816	109.868	109.920	109.971	110.023	110.075
ES RIGHT TITLE BOUNDARY	109.42	109.49	109.57	109.66	109.75	109.83	109.90	109.98		
ES CENTRE LINE ROAD	109.33	109.40	109.49	109.59	109.67	109.76	109.85	109.91	109.99	
CHAINAGE CENTRE LINE ROAD	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	

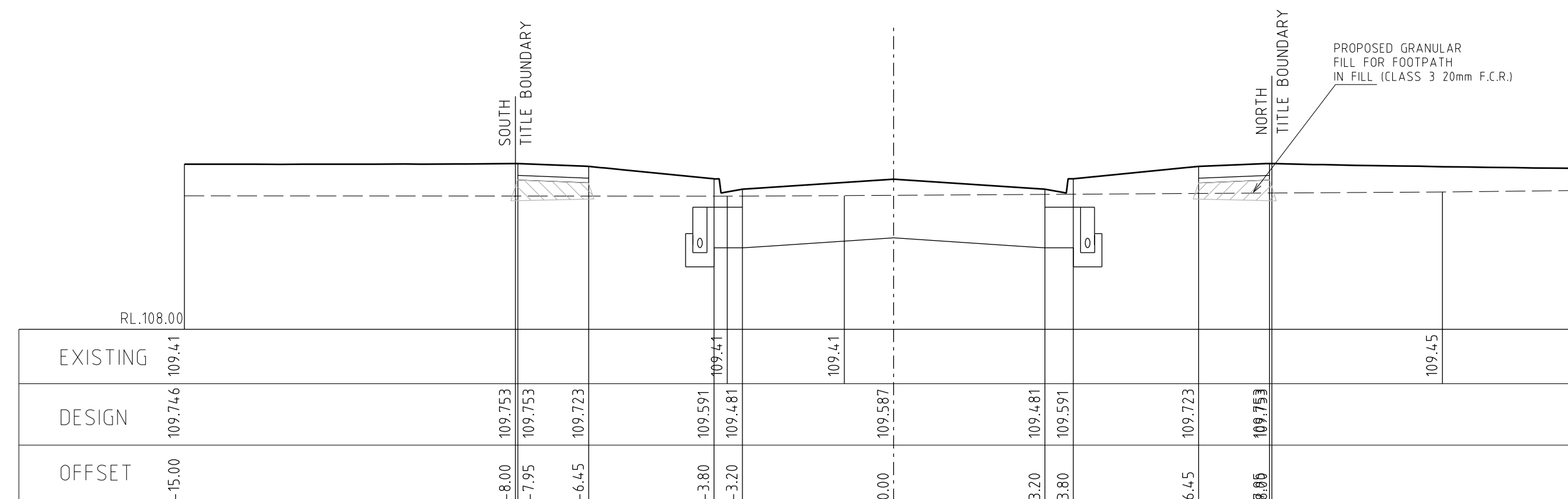
METROON DRIVE
 TP'S

GANSHA STREET LONGITUDINAL SECTION

SCALE Hor. 1:500
 Vert 1:50



30.00

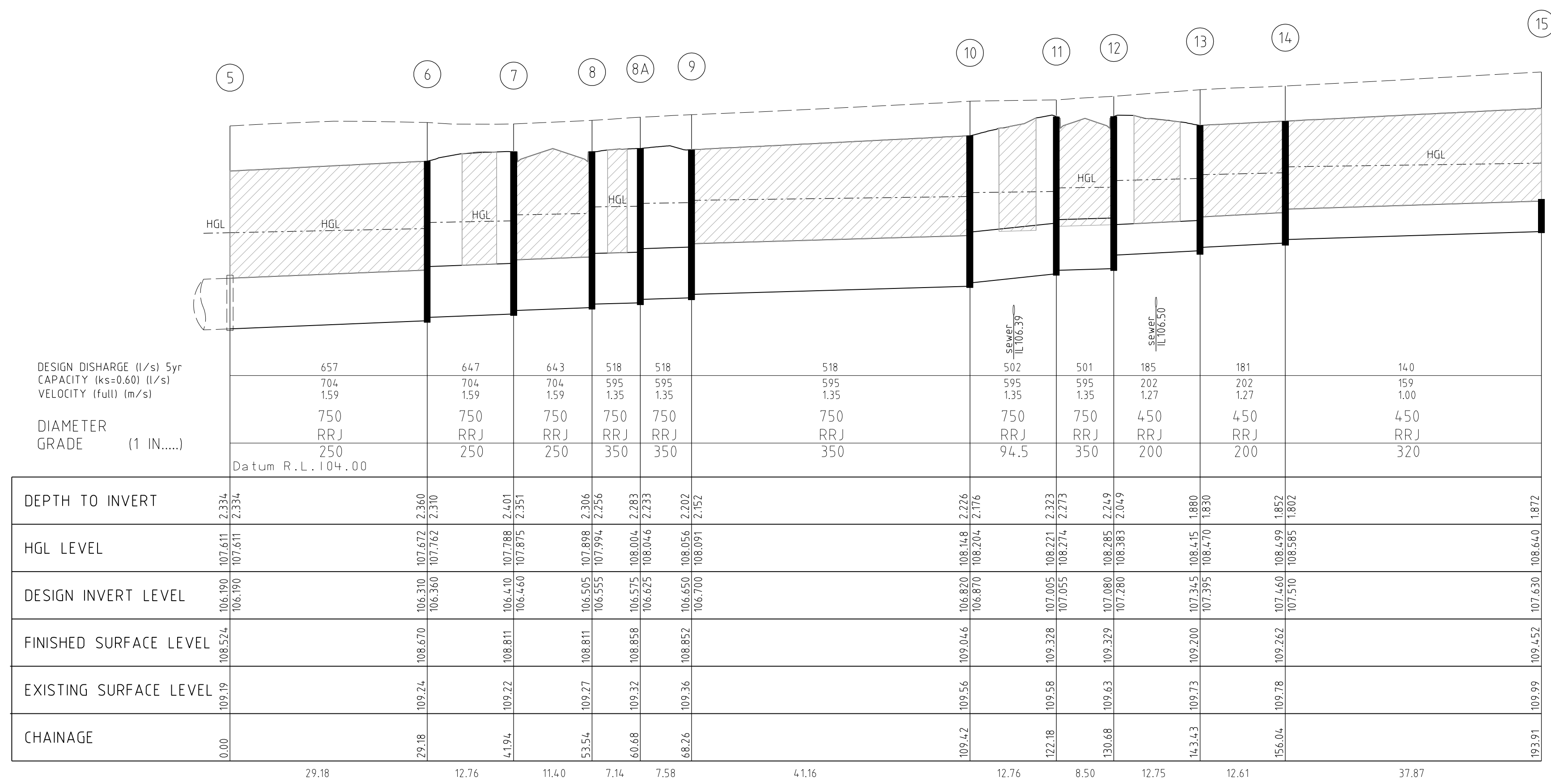


11.95

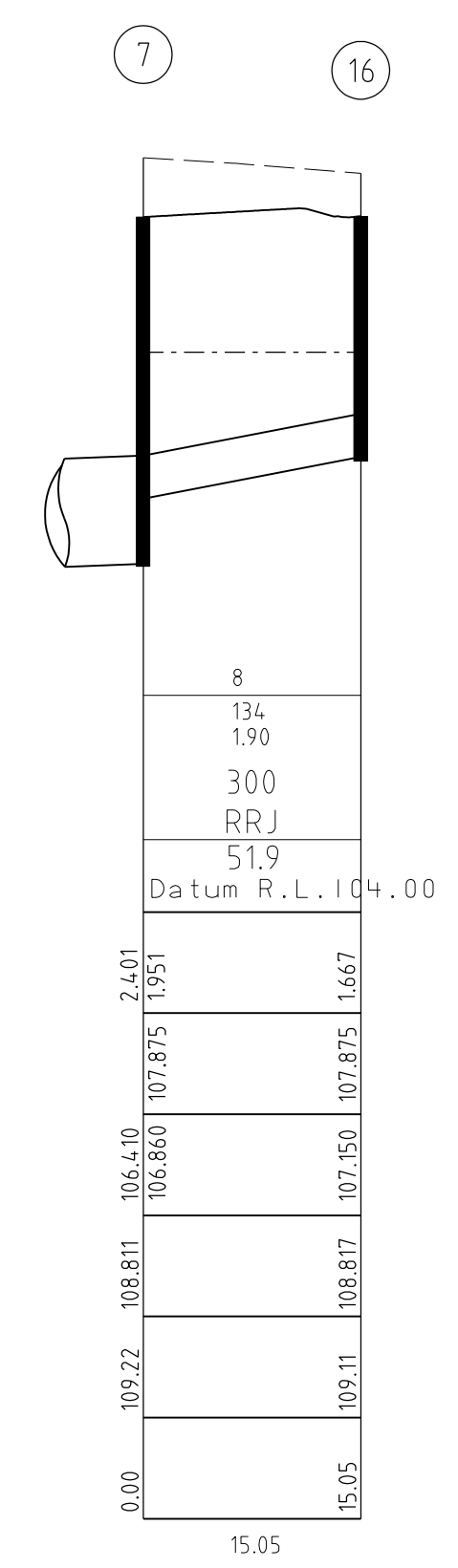
GANSHA STREET CROSS SECTIONS

SCALE Hor. 1:100
 Vert 1:50

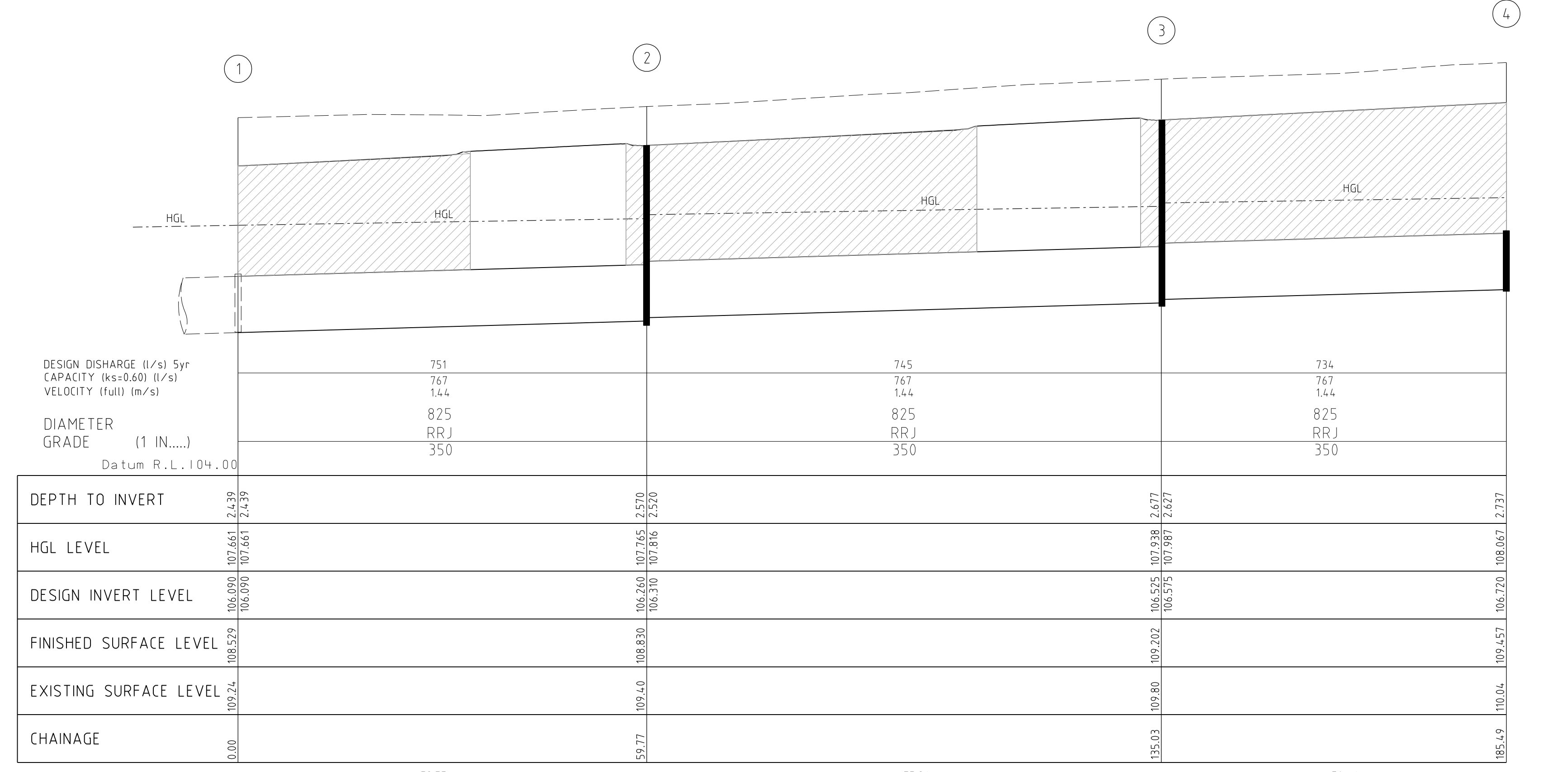
AMENDMENTS			 breese pitt dixon pty. ltd. land surveyors civil engineers 1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	MUNICIPALITY MELTON REFERENCE 6751 E/3				
		MELWAY REF. 342-J-7			OPALIA ESTATE STAGE 3 GANSHA STREET LONGITUDINAL AND CROSS SECTIONS			
		SURVEY B.P.D.						
		DESIGN RK						
A	25.09.2019	CONSTRUCTION ISSUE	DRAWN RK	DATE APR. 19				
VER.	DATE	REMARKS	CHECKED	SCALE AS SHOWN	DATUM AHD	DATE APR. 19	SHEET 16 OF 22	A



DEPTH TO INVERT	2.334	2.310	2.301	2.286	2.283	2.276	2.273	2.269	2.262	2.252	1.872
HGL LEVEL	107.611	107.672	107.762	107.875	107.994	108.148	108.221	108.285	108.383	108.499	108.640
DESIGN INVERT LEVEL	106.190	106.310	106.440	106.575	106.700	106.820	106.945	107.070	107.195	107.320	107.445
FINISHED SURFACE LEVEL	108.524	108.670	108.811	108.958	109.104	109.250	109.396	109.542	109.688	109.834	109.980
EXISTING SURFACE LEVEL	109.19	109.24	109.32	109.37	109.46	109.56	109.66	109.76	109.86	109.96	109.99
CHAINAGE	0.00	29.18	41.94	53.54	60.68	68.26	109.42	122.18	130.68	143.43	156.04



DEPTH TO INVERT	2.401	1.951	1.667
HGL LEVEL	106.410	107.875	107.875
DESIGN INVERT LEVEL	106.410	107.875	107.875
FINISHED SURFACE LEVEL	109.22	108.811	108.811
EXISTING SURFACE LEVEL	109.22	109.11	109.11
CHAINAGE	0.00	150.05	150.05



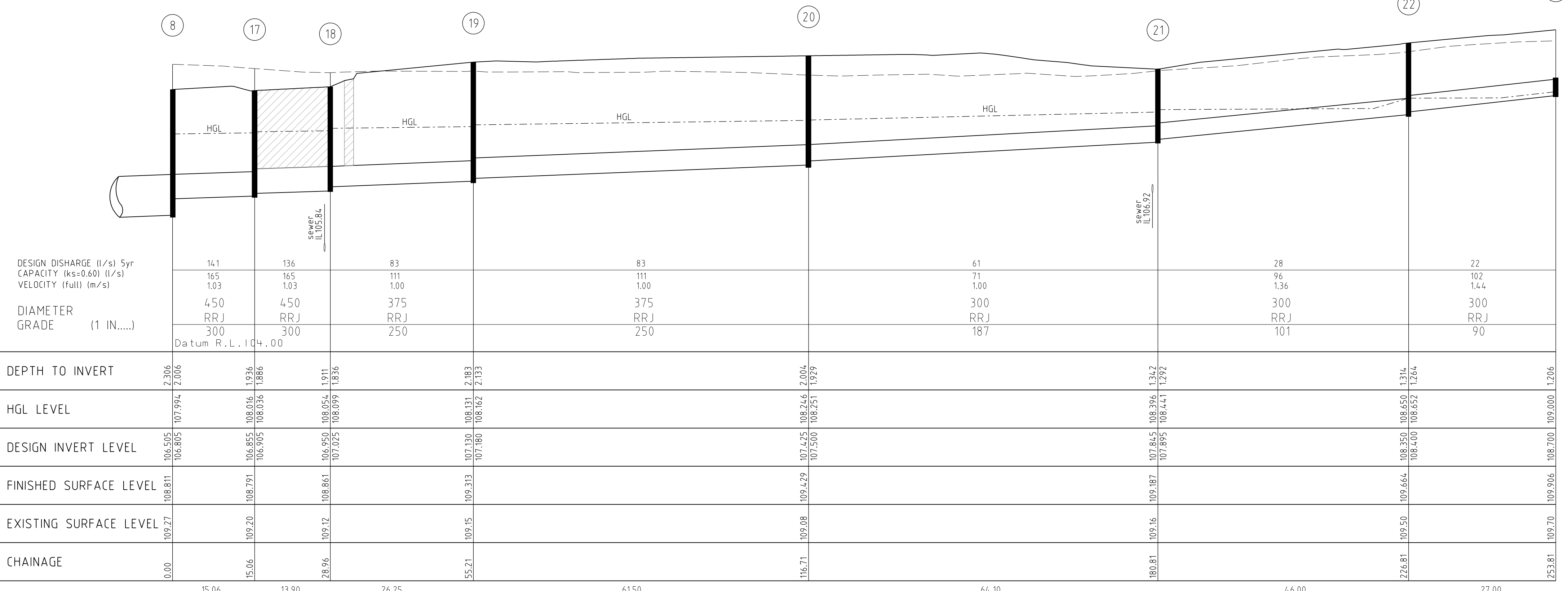
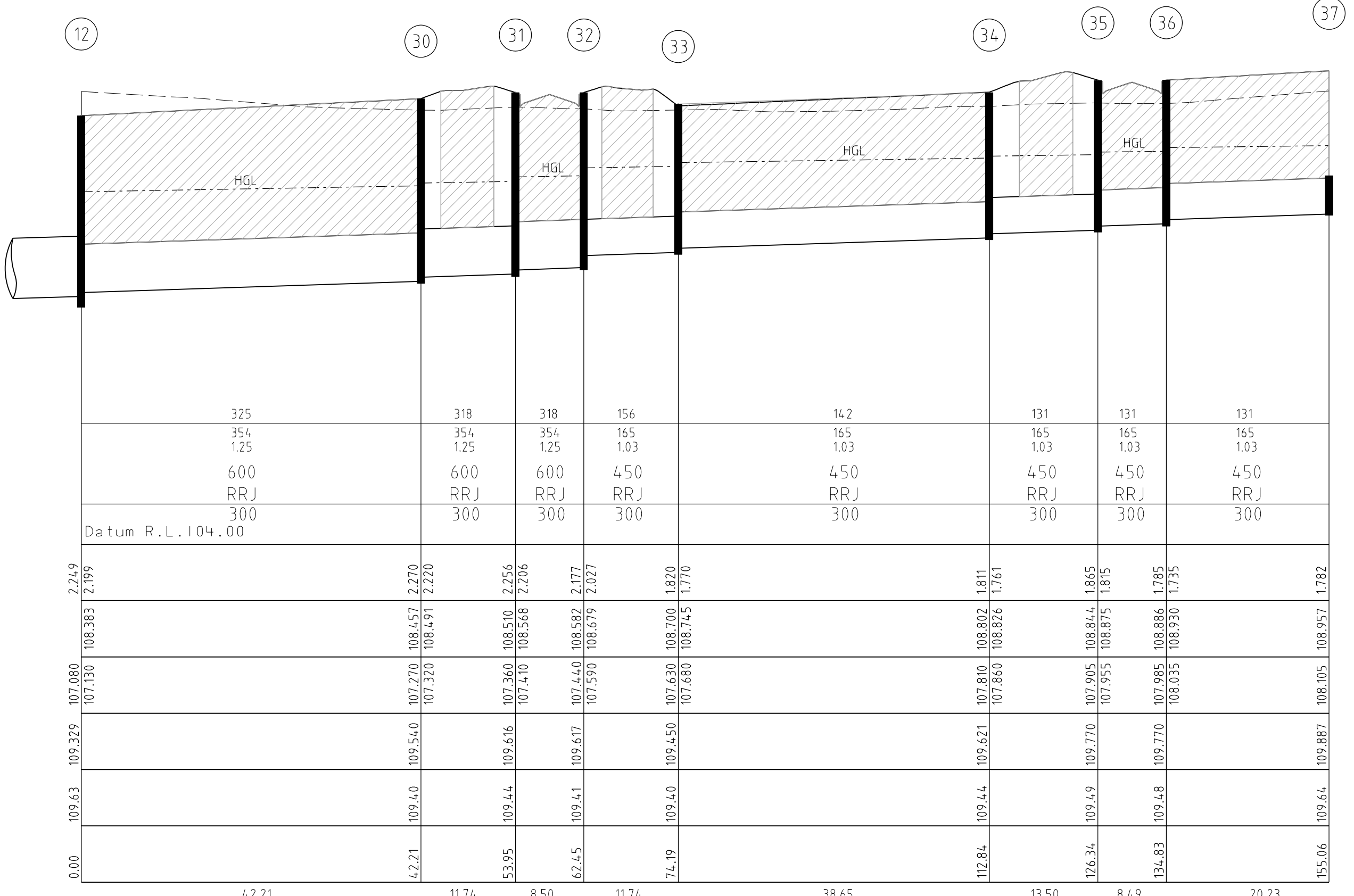
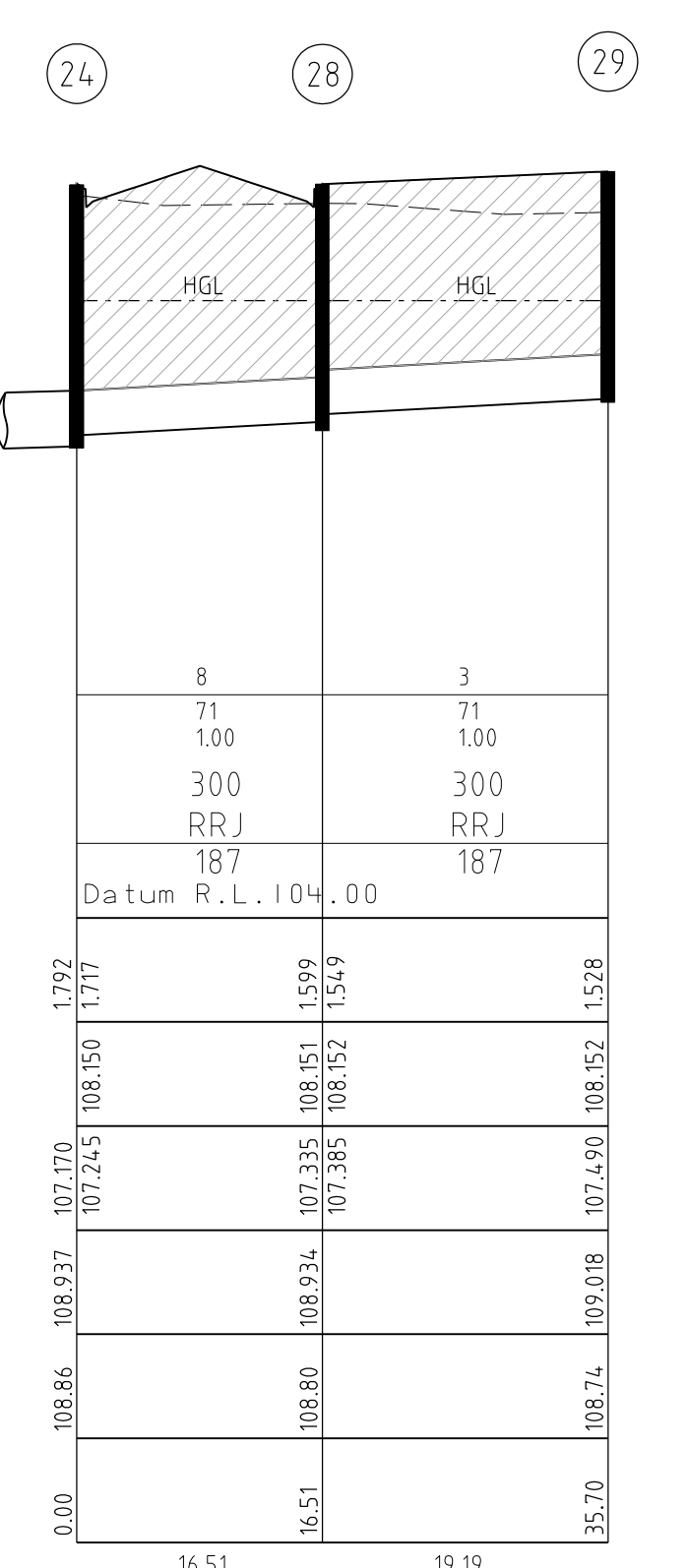
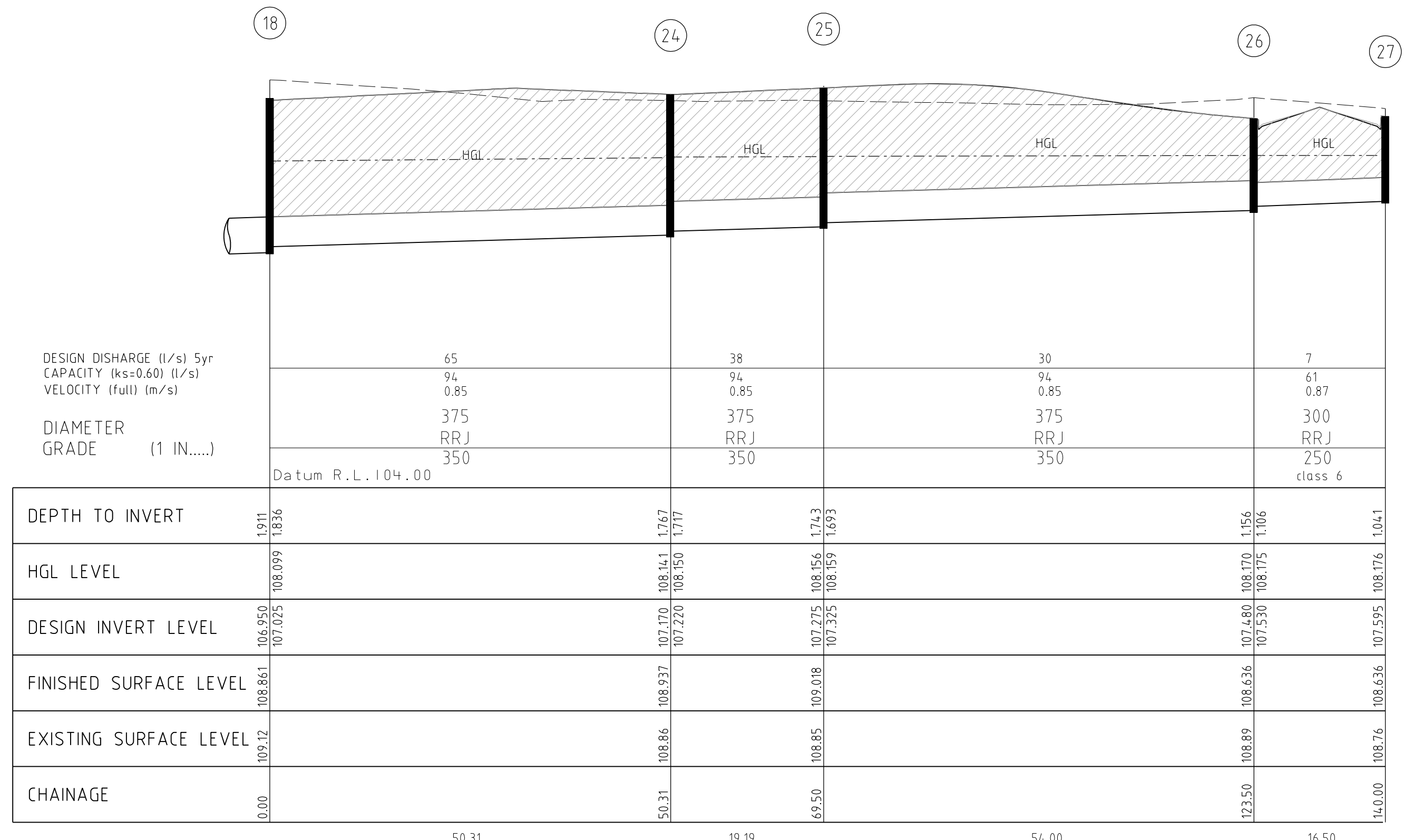
DEPTH TO INVERT	2.439	2.570	2.677	2.737
HGL LEVEL	107.661	107.765	107.938	108.067
DESIGN INVERT LEVEL	106.090	106.260	106.525	106.720
FINISHED SURFACE LEVEL	108.529	108.830	109.202	109.457
EXISTING SURFACE LEVEL	109.24	109.40	109.80	110.04
CHAINAGE	0.00	59.77	135.03	185.49

PIT No.	PIT TYPE	SIZE L x W	INLET DIA	INLET I.L.	OUTLET DIA	OUTLET I.L.	COVER LEVEL	PIT DEPTH	REMARKS
1	Ex END PIPE	-x-	106.090	825	Ex 825	106.090	108.529	2.439	REMOVE TEMPORARY SEAL AND CONNECTION
2	G.S.E.P.	S 900x600 H 900x1000	825	106.310	825	106.260	108.830	2.570	EDCM 601/605 HAUNCH PIT EDCM 607
3	G.S.E.P.	S 900x600 H 900x1000	825	106.575	825	106.525	109.202	2.677	EDCM 601/605 HAUNCH PIT EDCM 607
4	END PIPE	-x-	-	-	825	106.720	109.457	2.737	SEAL END OF PIPE FOR FUTURE CONNECTION
5	Ex END PIPE	-x-	750	106.190	Ex 750	106.190	108.524	2.334	REMOVE TEMPORARY SEAL AND CONNECTION
6	G.S.E.P.	S 900x600 H 900x1000	750	106.360	750	106.310	108.670	2.360	EDCM 601/605 HAUNCH PIT EDCM 607
7	G.S.E.P.	900x600	750	106.460	750	106.410	108.811	2.401	EDCM 601/605
8	G.S.E.P.	S 900x600 H 900x1000	750	106.555	750	106.505	108.811	2.306	EDCM 601/605 HAUNCH PIT EDCM 607
8A	J.P.	S 900x600 H 900x1000	750	106.625	750	106.575	108.852	2.283	EDCM 605 HAUNCH PIT EDCM 607
9	G.S.E.P.	S 900x600 H 900x1000	750	106.700	750	106.650	108.852	2.202	EDCM 601/605 HAUNCH PIT EDCM 607
10	G.S.E.P.	S 900x600 H 900x1000	750	106.870	750	106.820	109.046	2.226	EDCM 601/605 HAUNCH PIT EDCM 607
11	G.S.E.P.	900x600	750	107.055	750	107.005	109.328	2.323	EDCM 601/605
12	G.S.E.P.	S 900x600 H 900x1000	450	107.280	750	107.080	109.329	2.249	EDCM 601/605
13	G.S.E.P.	S 900x600 H 900x1000	450	107.395	450	107.345	109.200	1.880	EDCM 601/605 HAUNCH PIT EDCM 607
14	J.P.	900x600	450	107.510	450	107.460	109.262	1.852	EDCM 605
15	END PIPE	-x-	-	-	450	107.630	109.452	1.872	SEAL END OF PIPE FOR FUTURE CONNECTION
16	G.S.E.P.	900x600	-	-	300	107.150	108.817	1.667	EDCM 601/605
17	G.S.E.P.	900x600	450	106.905	450	106.855	108.791	1.936	EDCM 603/605
18	J.P.	900x600	375	107.025	450	106.950	108.861	1.911	EDCM 605
19	J.P.	900x600	375	107.180	375	107.130	109.313	2.183	EDCM 605
20	J.P.	900x600	300	107.500	375	107.425	109.429	2.004	EDCM 605
21	J.P.	900x600	300	107.895	300	107.845	109.187	1.342	EDCM 605
22	J.P.	900x600	300	108.400	300	108.350	109.664	1.314	EDCM 605
23	END PIPE	-x-	-	-	300	108.700	109.906	1.206	SEAL END OF PIPE FOR FUTURE CONNECTION
24	D.G.S.E.P.	900x600	375	107.220	375	107.170	108.937	1.767	EDCM 604/605
25	G.S.E.P.	900x600	375	107.325	375	107.275	109.018	1.743	EDCM 603/605
26	G.S.E.P.	900x600	300	107.530	375	107.480	108.636	1.156	EDCM 603/605
27	G.S.E.P.	900x600	-	-	300	107.595	108.636	1.041	EDCM 603/605
28	D.G.S.E.P.	900x600	300	107.385	300	107.335	108.934	1.599	EDCM 604/605
29	G.S.E.P.	900x600	-	-	300	107.490	109.018	1.528	EDCM 603/605
30	J.P.	S 900x600 H 900x1000	600	107.320	600	107.270	109.540	2.270	EDCM 605 HAUNCH PIT EDCM 607
31	G.S.E.P.	900x600	600	107.410	600	107.360	109.616	2.256	EDCM 601/605
32	G.S.E.P.	900x600	450	107.590	600	107.440	109.617	2.177	EDCM 601/605
33	D.G.S.E.P.	900x600	450	107.680	450	107.630	109.450	1.820	EDCM 602/605
34	J.P.	S 900x600 H 900x1000	450	107.860	450	107.810	109.621	1.811	EDCM 605 HAUNCH PIT EDCM 607
35	G.S.E.P.	900x600	450	107.955	450	107.905	109.770	1.865	EDCM 601/605
36	G.S.E.P.	900x600	450	108.035	450	107.985	109.770	1.785	EDCM 601/605
37	END PIPE	-x-	-	-	450	108.105	109.887	1.782	SEAL END OF PIPE FOR FUTURE CONNECTION
38	J.P.	900x600	450	107.745	450	107.695	109.712	1.952	EDCM 605
39	END PIPE	-x-	-	-	450	107.760	109.712	1.952	SEAL END OF PIPE FOR FUTURE CONNECTION
40	J.P.	900x600	300	108.055	300	108.005	109.906	1.901	EDCM 605
41	END PIPE	-x-	-	-	300	108.070	109.930	1.860	SEAL END OF PIPE FOR FUTURE CONNECTION
42	D.G.S.E.P.	900x600	-	-	300	107.825	109.452	1.627	EDCM 602/605
43	J.P.	900x600	300	108.070	300	108.020	109.656	1.636	EDCM 605
44	G.J.P.	900x600	300	108.200	300	108.150	109.735	1.585	EDCM 605, FIT CLASS 'D' GATIC GRATE OR SIMILAR
45	G.J.P.	900x600	-	-	300	108.270	109.664	1.394	EDCM 605, FIT CLASS 'D' GATIC GRATE OR SIMILAR
46	J.P.	900x600	300	108.305	300	108.255	109.675	1.420	EDCM 605
47	END PIPE	-x-	-	-	300	108.500	109.857	1.357	SEAL END OF PIPE FOR FUTURE CONNECTION
48	Ex END PIPE	-x-	375	107.100	Ex 375	107.100	108.943	1.843	REMOVE TEMPORARY SEAL AND CONNECTION
49	J.P.	900x600	300	107.325	375	107.275	109.163	1.888	EDCM 605
50	J.P.	900x600	300	108.245	300	108.195	109.403	1.208	EDCM 605
51	J.P.	900x600	300	108.560	300	108.510	109.647	1.137	EDCM 605
52	END PIPE	-x-	-	-	300	108.800	109.949	1.149	SEAL END OF PIPE FOR FUTURE CONNECTION
53	EX J.P.	900x600	Ex300	106.765	Ex300	106.715	108.517	1.802	ADJUST COVER AND FIT CLASS 'D' GATIC GRATE OR SIMILAR
54	EX J.P.	900x600	Ex300	107.025	Ex300	106.975	108.729	1.754	ADJUST COVER AND FIT CLASS 'D' GATIC GRATE OR SIMILAR

STORMWATER DRAINAGE LONGITUDINAL SECTIONS
 SCALE Hor. 1:500
 Vert 1:50
 RRJ - RUBBER RING JOINTED
 DENOTES CRUSHED ROCK BACKFILL

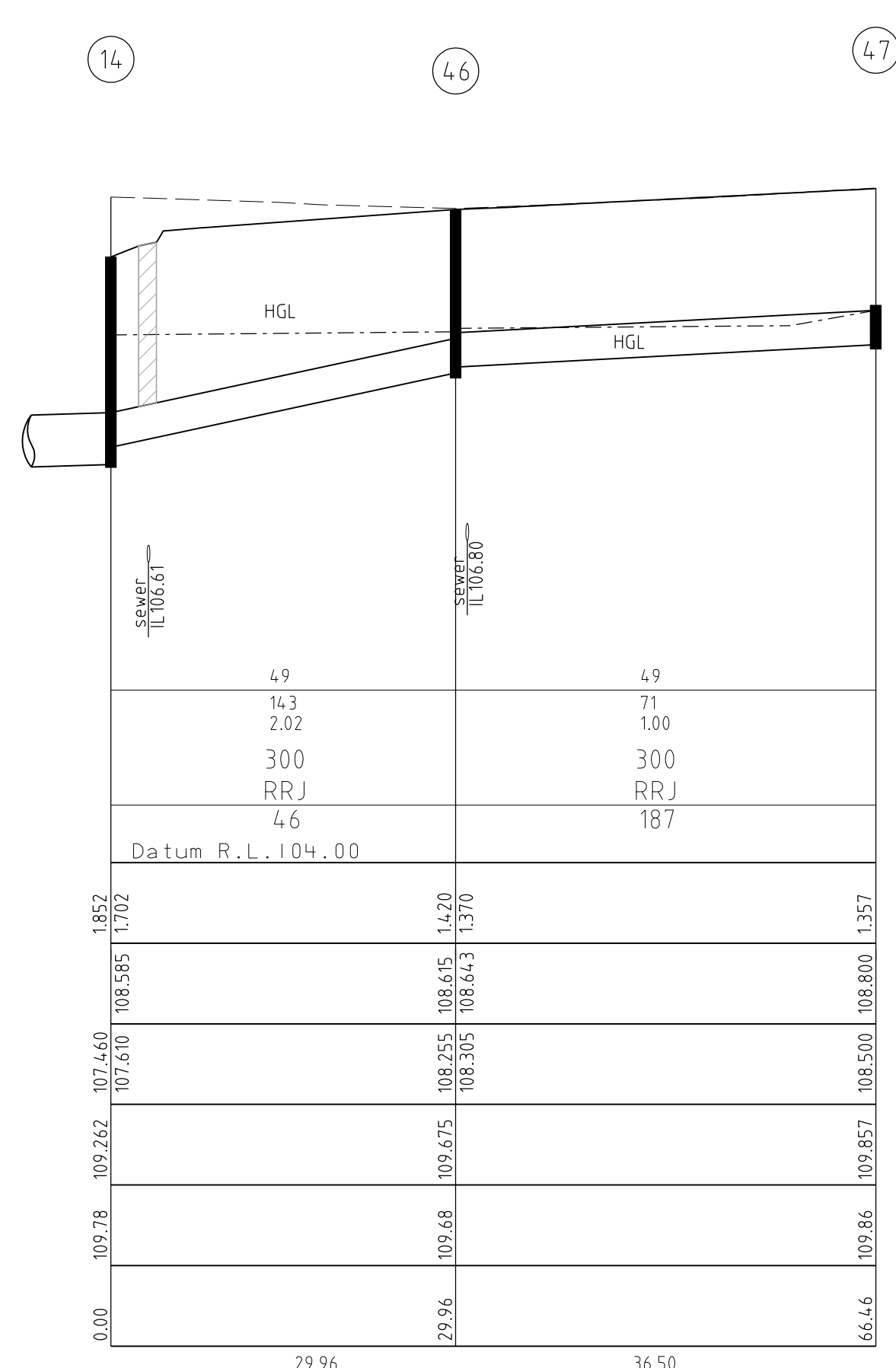
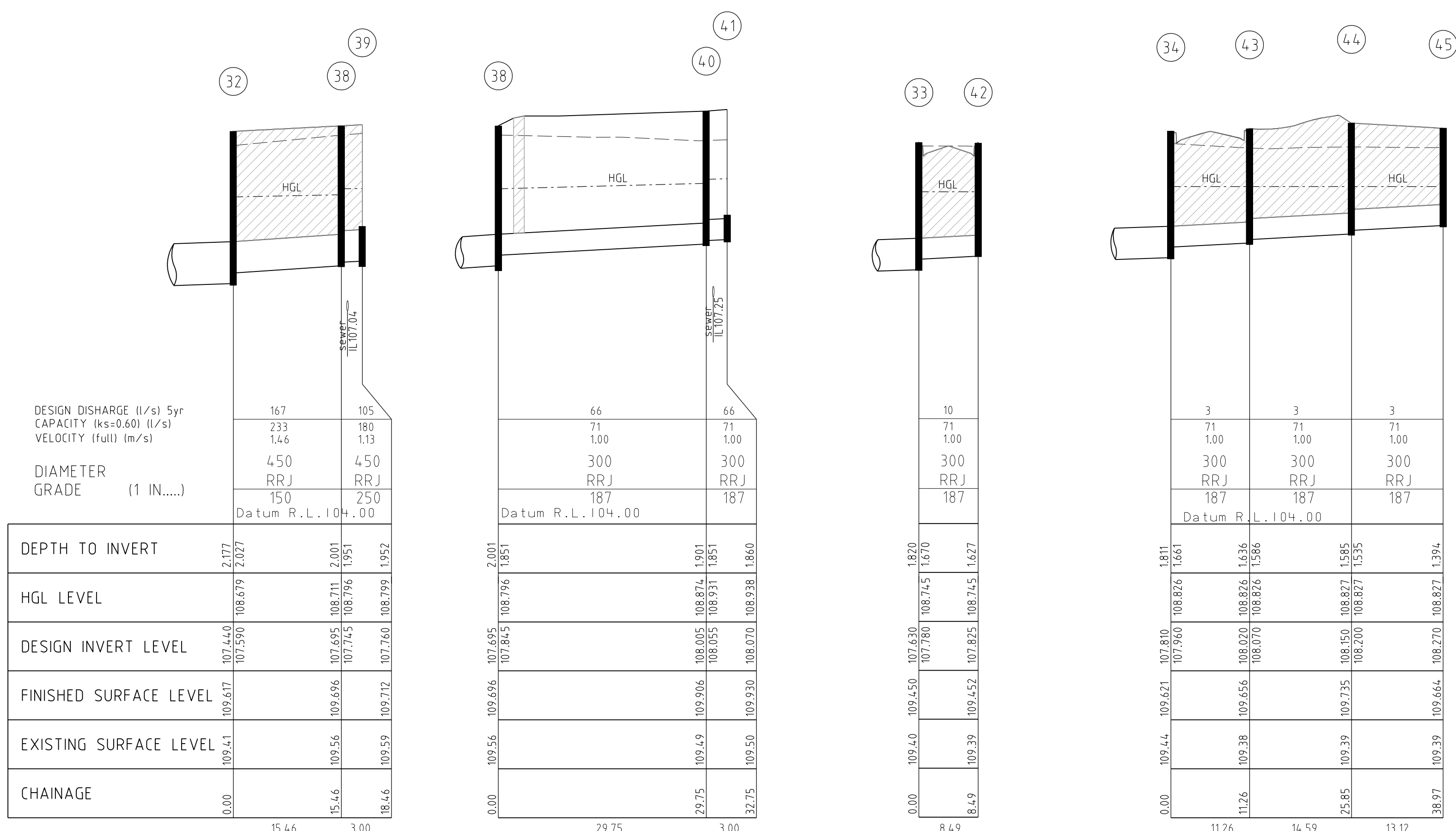
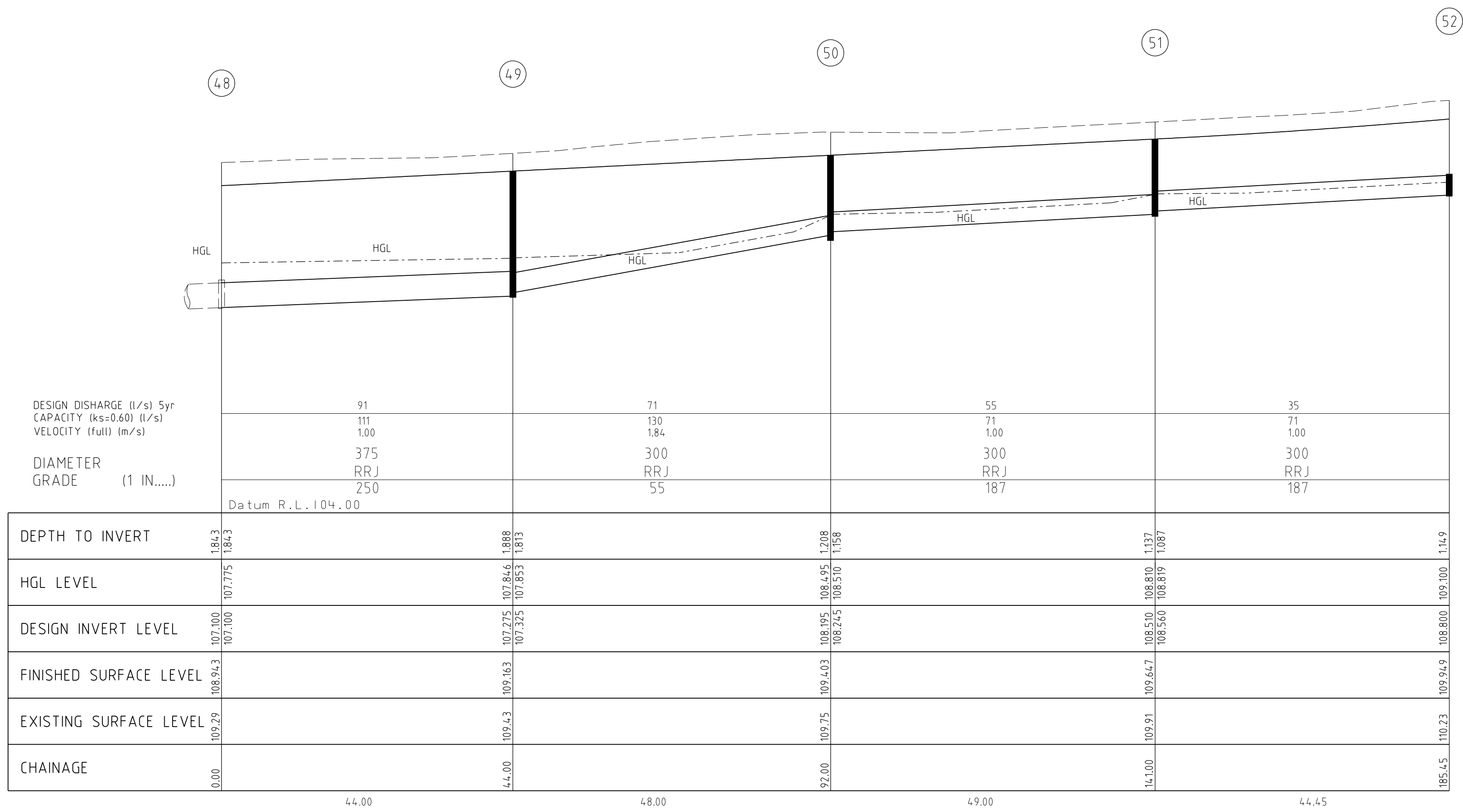
breese pitt dixon pty. ltd. land surveyors civil engineers		1/19 calo street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310
OPALIA ESTATE STAGE 3		MELTON
STORMWATER DRAINAGE LONGITUDINAL SECTIONS AND PIT SCHEDULE		REFERENCE 6751 E/3
AMENDMENTS D 11.02.2020 SEWER CROSSINGS SHOWN ON LONG SECTIONS C 30.10.2019 PIT SCHEDULE AMENDED, DRAIN LEG 10-11-12 AMENDED TO CLEAR SEWER B 15.10.2019 PIT SCHEDULE AMENDED, PIT TYPE AND LEVEL, DUE TO KERB CHANGE OLBDRIDGE BLVD A 25.09.2019 CONSTRUCTION ISSUE	MELWAY REF. 342-J-7 SURVEY B.P.D. DESIGN RK DRAWN RK	SCALE AS SHOWN DATUM AHD DATE APR. 19 SHEET 18 OF 22

D:\bpd - 6751\design\stage 3\2020-02-11\6751-DES.dgn Plot: 11/02/2020



STORMWATER DRAINAGE LONGITUDINAL SECTIONS
 SCALE Hor. 1:500
 Vert 1:50
 RRJ - RUBBER RING JOINTED
 DENOTES CRUSHED ROCK BACKFILL

		breese pitt dixon pty. ltd. land surveyors civil engineers		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310
AMENDMENTS D 11.02.2020 SEWER CROSSINGS SHOWN ON LONG SECTIONS C 30.10.2019 PIT 12 OUTLET AMENDED B 15.10.2019 LONG SECTS AMENDED LEVEL DUE TO KERB CHANGE OLDBRIDGE BLVD A 25.09.2019 CONSTRUCTION ISSUE		MELWAY REF. 342-J-7 SURVEY B.P.D. DESIGN RK DRAWN RK		MUNICIPALITY MELTON REFERENCE 6751 E/3
VER DATE 19 22	REMARKS	CHECKED	SCALE AS SHOWN DATUM AHD DATE APR. 19	SHEET 19 OF 22 D



STORMWATER DRAINAGE LONGITUDINAL SECTIONS

SCALE Hor. 1:500
Vert 1:50
RRJ - RUBBER RING JOINTED

/// DENOTES CRUSHED ROCK BACKFILL

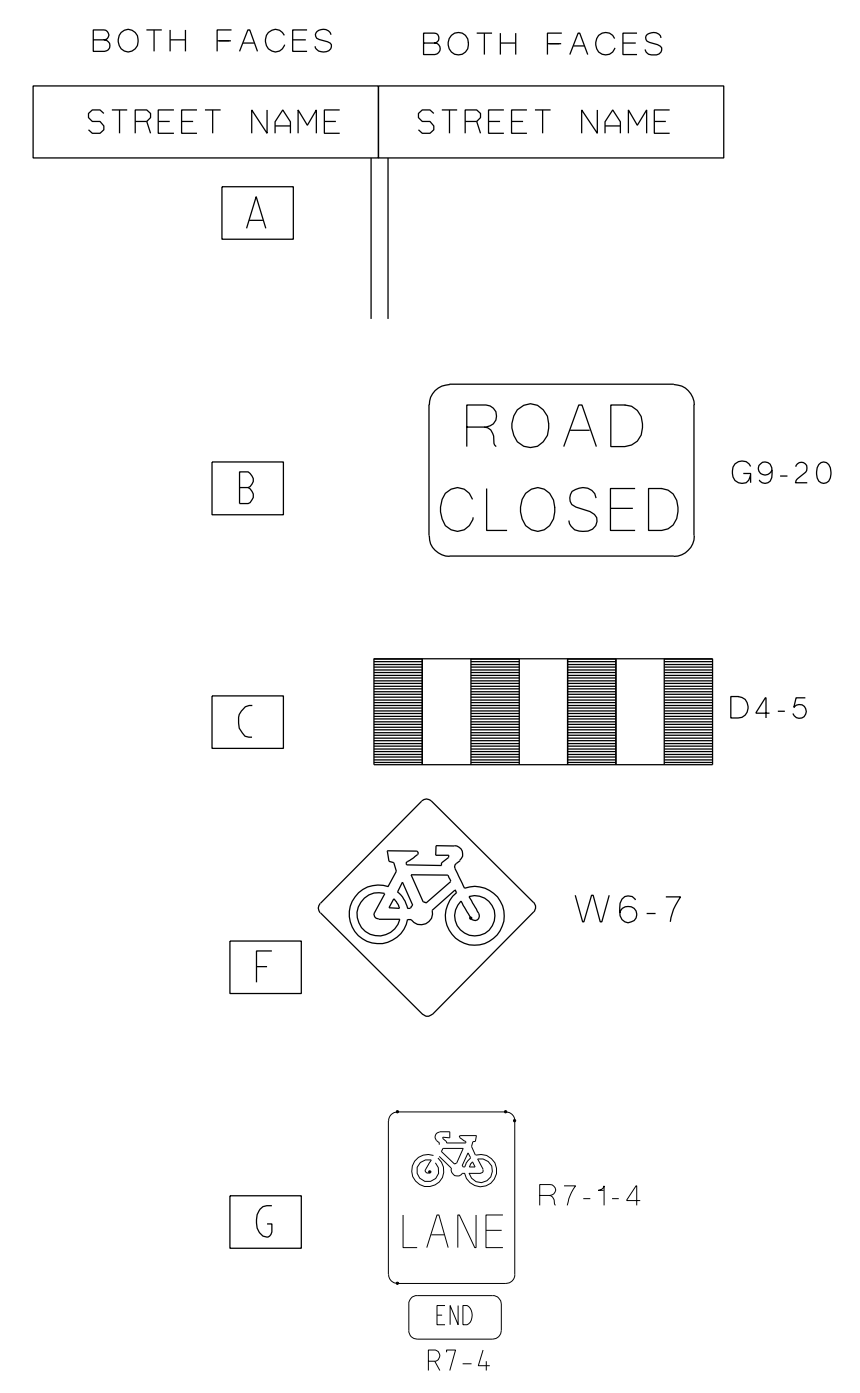
		breese pitt dixon pty. ltd. land surveyors civil engineers		1/19 calo street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
AMENDMENTS D 11.02.2020 SEWER CROSSINGS SHOWN ON LONG SECTIONS C 30.10.2019 PIT 12 OUTLET AMENDED B 15.10.2019 LONG SECTS AMENDED LEVEL DUE TO KERB CHANGE OLD BRIDGE BLVD A 25.09.2019 CONSTRUCTION ISSUE		MELWAY REF. 342-J-7 SURVEY B.P.D. DESIGN RK DRAWN RK		OPALIA ESTATE STAGE 3 STORMWATER DRAINAGE LONGITUDINAL SECTIONS MUNICIPALITY MELTON REFERENCE 6751 E/3	
VER	DATE	REMARKS	CHECKED	SCALE AS SHOWN	DATUM AHD
			DATE	APR. 19	SHEET 20 OF 22



- NOTES**
- ALL SIGNS AND TRAFFIC CONTROL MEASURES, SHALL BE IN ACCORDANCE WITH AS1742.2. 1, 2 & 3
 - LINE MARKING TO AS1742.2, SHALL BE SETOUT, INSPECTED AND APPROVED BEFORE FINAL LINEMARKING IS CARRIED OUT.
 - ANY OBSOLETE LINEMARKING SHALL BE REMOVED BY AN APPROVED GRINDING OR STRIPPING METHOD, PRIOR TO NEW LINEMARKING BEING PLACED.
 - LINE MARKING SHALL BE IN ACCORDANCE WITH VIC ROADS REQUIREMENT WITH LATERAL WORKS AND ARROWS BEING COLD APPLIED PLASTIC TROWELLED INTO PLACE (MATERIAL DEGRADUR OR PASTELINE) AND LONGITUDINAL LINES BEING EXTRUDED THERMOPLASTIC MATERIAL (VIC ROADS SPECIFICATION SEE SECTION 710 & 722)
 - THE CONTRACTOR SHALL PREPARE A TEMPORARY SIGNAGE & LINEMARKING PLAN FOR CONSTRUCTION PURPOSES. THIS PLAN IS TO BE DISCUSSED AT A SITE MEETING WITH VIC ROADS SURVEILLANCE OFFICER WHO SHALL BE CONTACTED 7 DAYS IN ADVANCE OF COMMENCEMENT OF WORKS.
 - SIGNING AND TRAFFIC MANAGEMENT MUST BE CARRIED OUT BY THE CONTRACTOR IN ACCORDANCE WITH 'VIC ROADS WORKSITE TRAFFIC MANAGEMENT MANUAL' WHICH INCORPORATES AS 1742.3 - 1996.
 - NO SITEWORKS SHALL COMMENCE UNTIL ALL TEMPORARY SIGNS ETC. ARE IN APPROVED LOCATIONS

SIGN SCHEDULE

SIGN	DESCRIPTION
A	STREET NAME SIGN
B	"ROAD CLOSED" (G9-20)
C	OBSTRUCTION MARKER (D4-5)
F	BICYCLE LANE (W6-7)



PASSIVE IRRIGATION
REFER SHEET 3

TYPE A

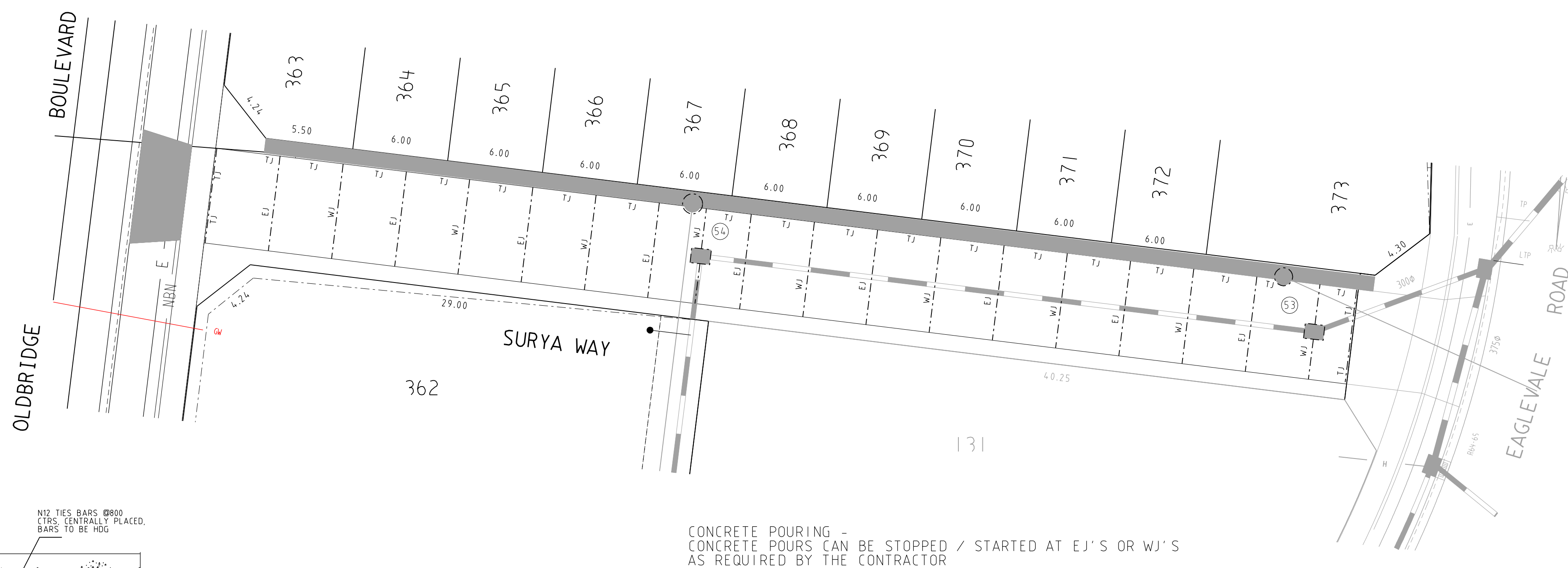
TYPE B

SIGNAGE AND LINE MARKING PLAN

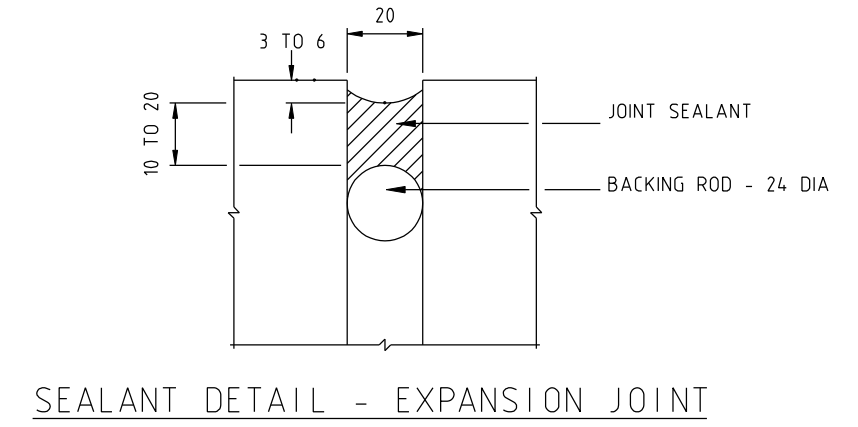
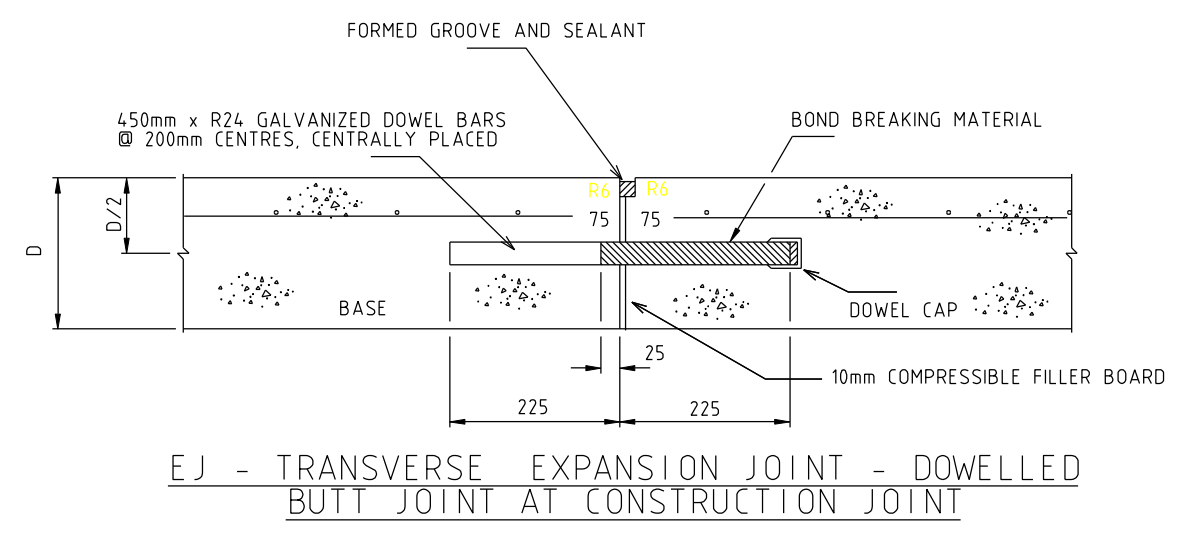
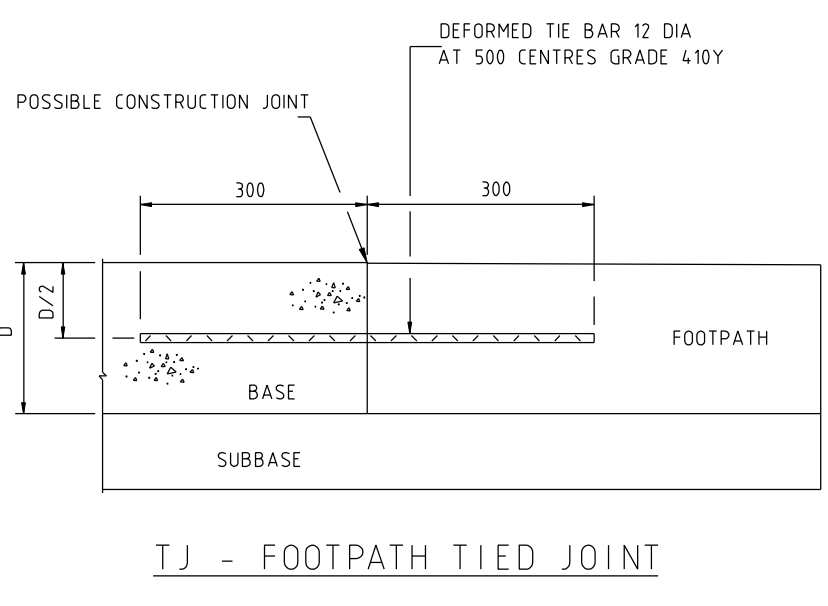
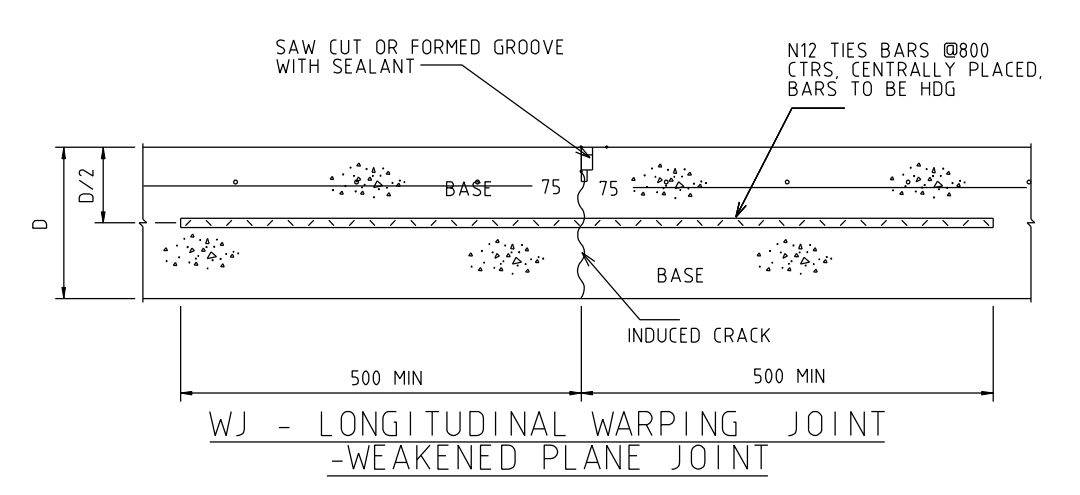
1:500 10 5 00 10 20 40

VER	DATE	REMARKS	CHECKED
F	22.04.2020	PASSIVE IRRIGATION AMENDED LOTS 326 & 338	
E	11.03.2020	PASSIVE IRRIGATION AMENDED	
D	11.02.2020	PASSIVE IRRIGATION AMENDED ELPIS RD	
C	22.11.2019	LEO ROAD RENAMED TO MATROON DRIVE	
B	15.10.2019	KERB TYPE OLDBRIDGE BLVD AMENDED TO SM2	
A	25.09.2019	CONSTRUCTION ISSUE	

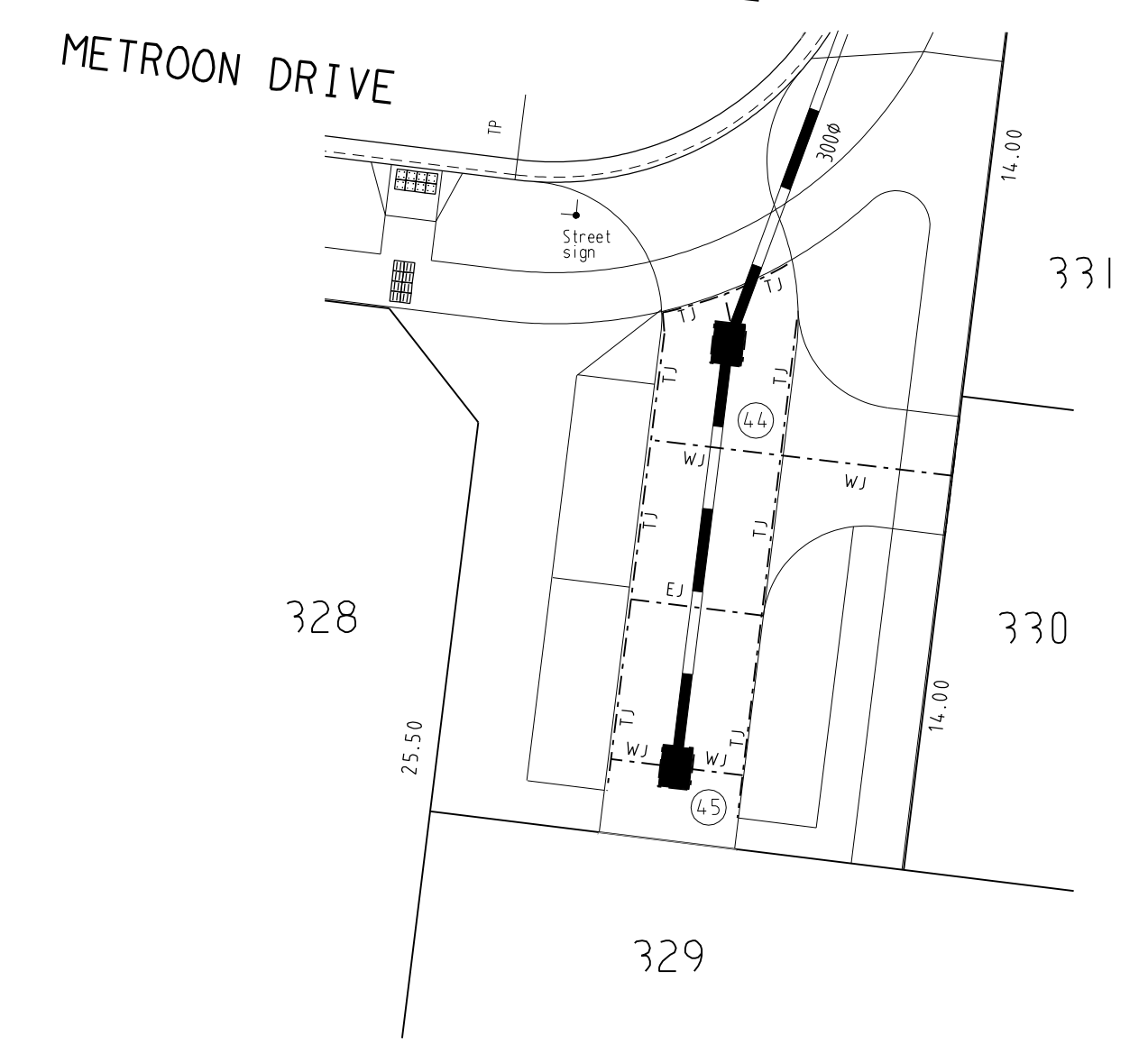
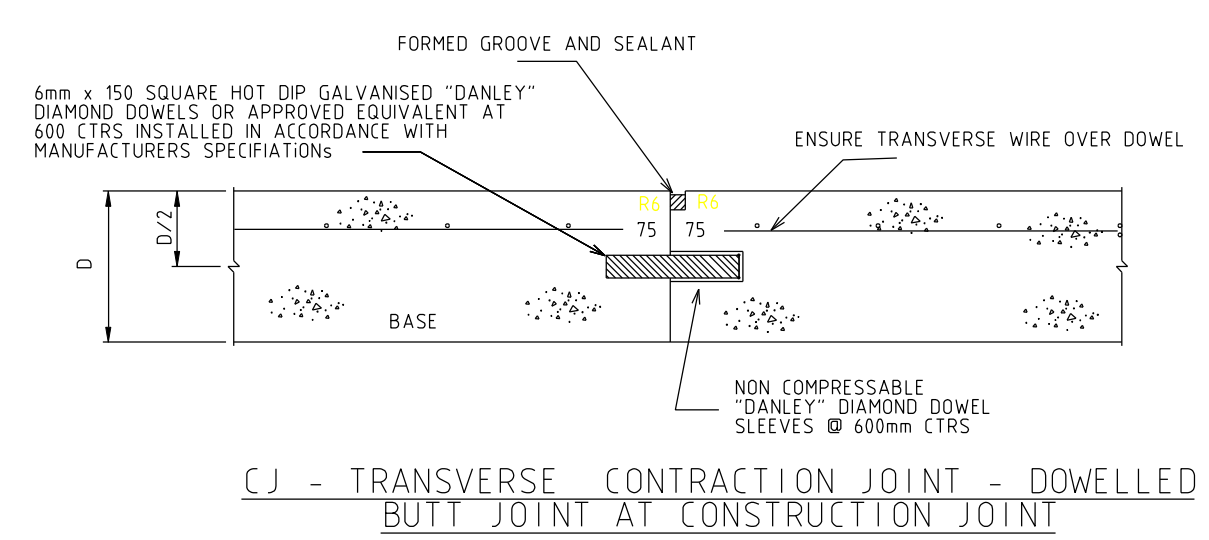
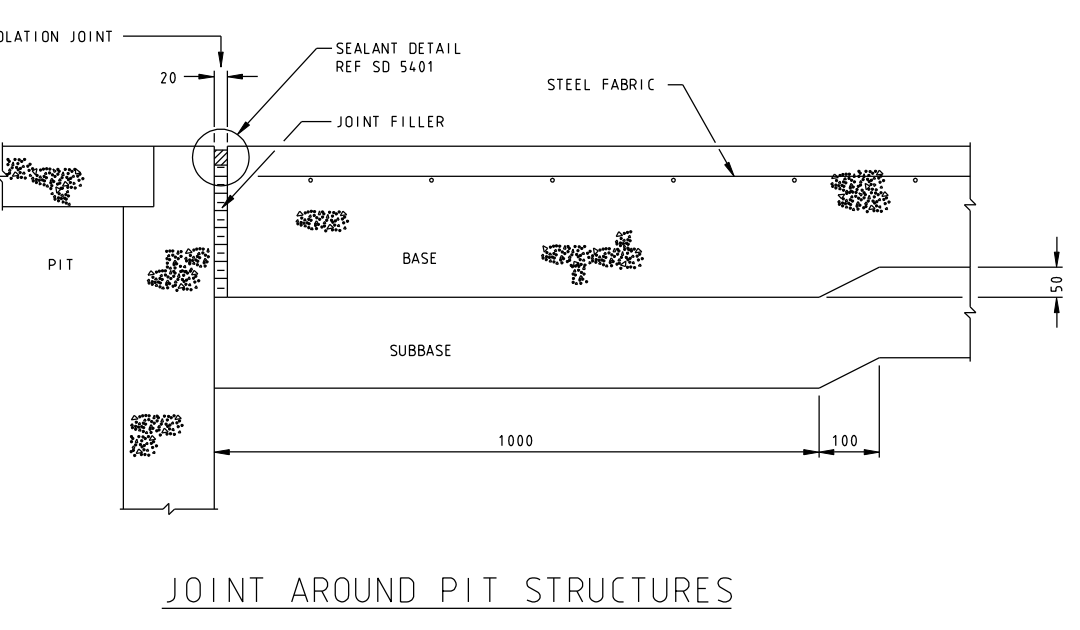
<p>breese pitt dixon pty. ltd. land surveyors civil engineers</p>	<p>1/19 coto street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310</p>
	<p>OPALIA ESTATE STAGE 3</p>
<p>MELWAY REF. 342-J-7 SURVEY B.P.D. DESIGN RK DRAWN RK</p>	<p>MUNICIPALITY MELTON</p>
<p>SCALE AS SHOWN DATUM AHD DATE APR. 19</p>	<p>REFERENCE 6751 E/3</p>
<p>SHEET 21 OF 22</p>	<p>DATE APR. 19</p>



CONCRETE POURING -
CONCRETE POURS CAN BE STOPPED / STARTED AT EJ'S OR WJ'S
AS REQUIRED BY THE CONTRACTOR



PAVEMENT JOINT DETAILS



		breese pitt dixon pty. ltd. land surveyors civil engineers		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
AMENDMENTS D 10.03.2020 JOINTING DETAILS AMENDED C 11.02.2020 DRIVEWAYS TO LOTS 363-373 AMENDED B 22.11.2019 LEO ROAD RENAMED TO MATROON DRIVE PAVEMENT JOINTING AMENDED A 25.09.2019 CONSTRUCTION ISSUE		MELWAY REF. 742-J-7 SURVEY B.P.D. DESIGN RK DRAWN RK		OPALIA ESTATE STAGE 3 SURYA WAY PAVEMENT JOINT DETAILS	
VER DATE REMARKS		CHECKED		SCALE AS SHOWN DATUM AHD DATE APR. 19 SHEET 22 OF 22	
				MUNICIPALITY MELTON REFERENCE 6751 E/3	