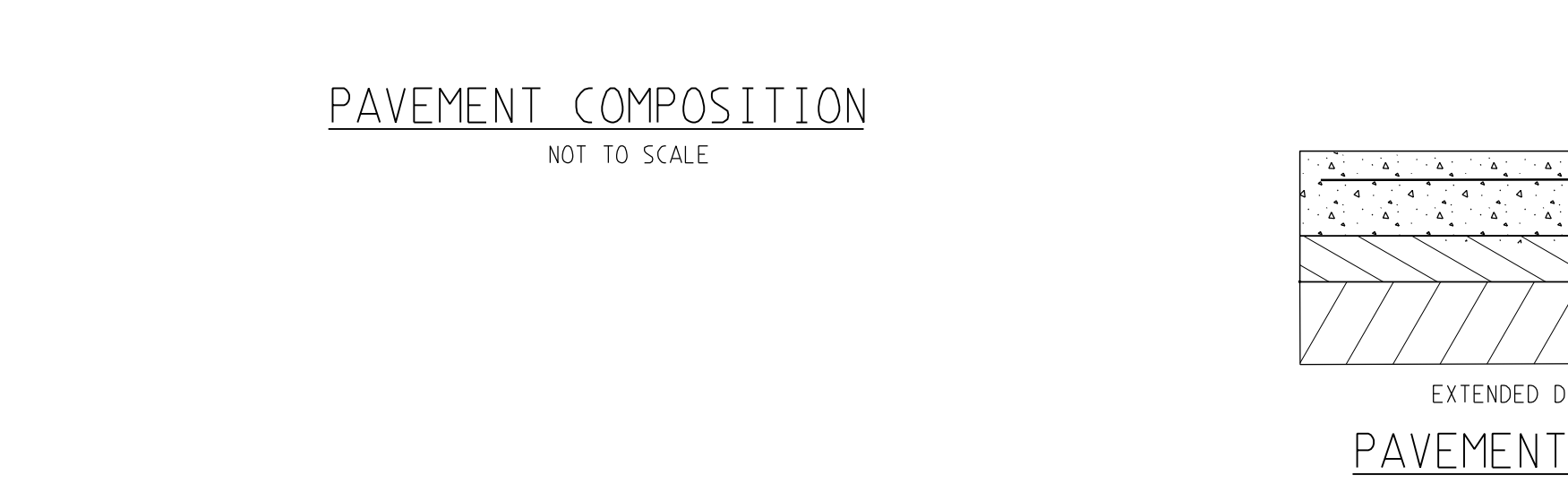
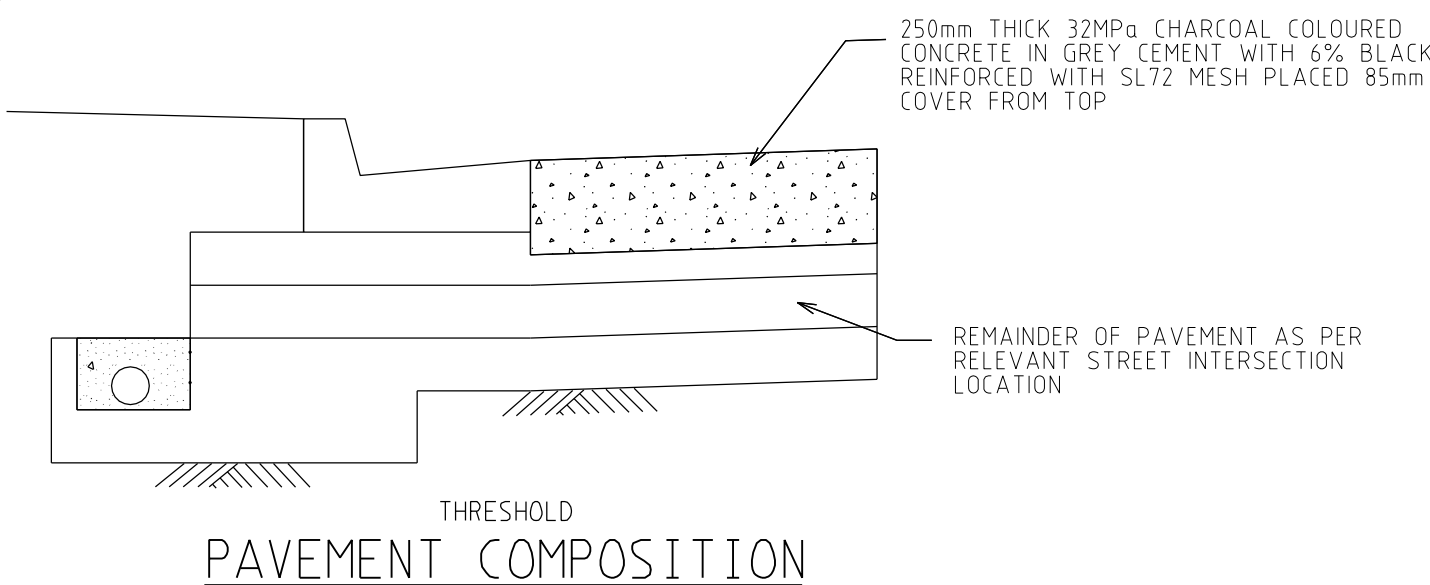
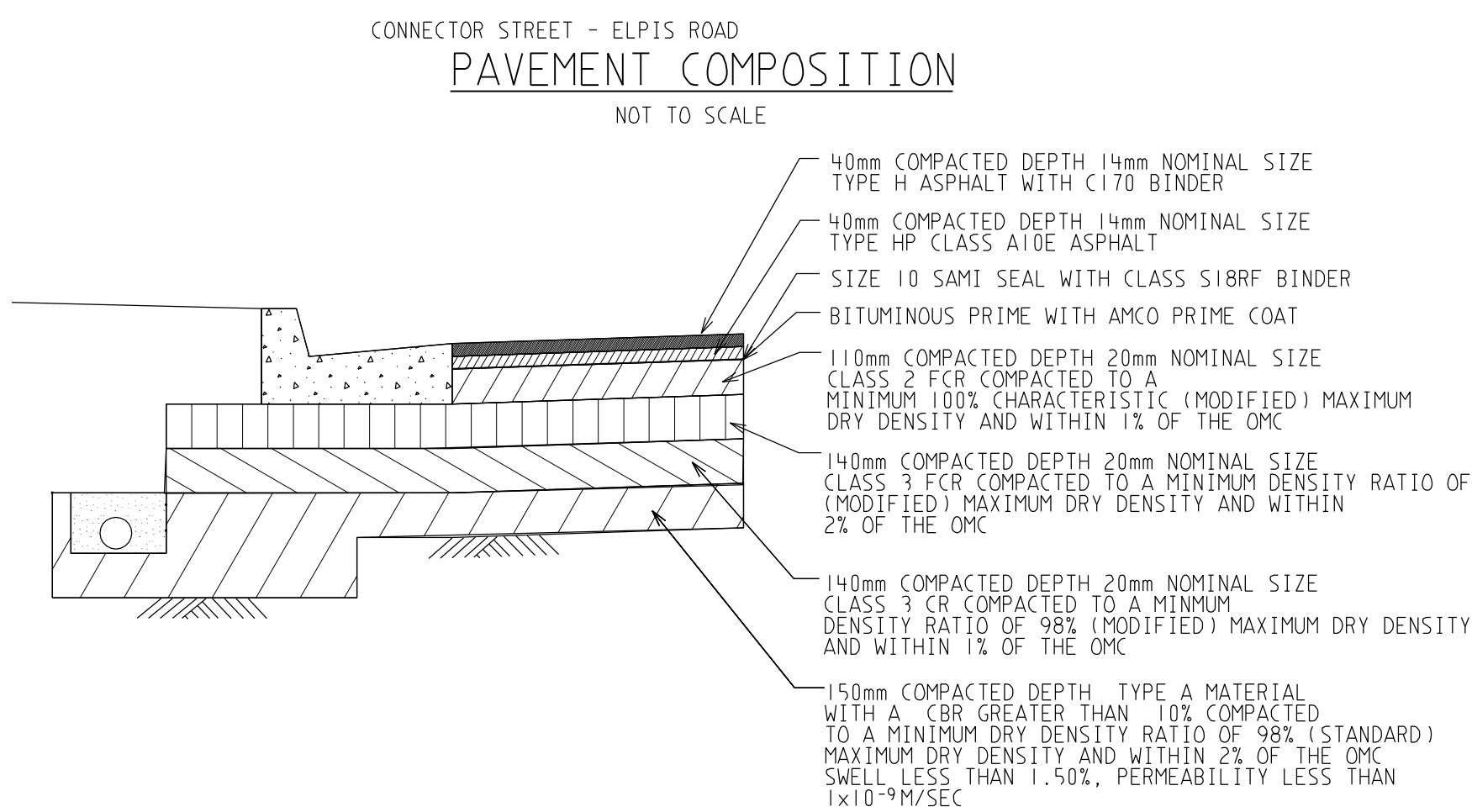
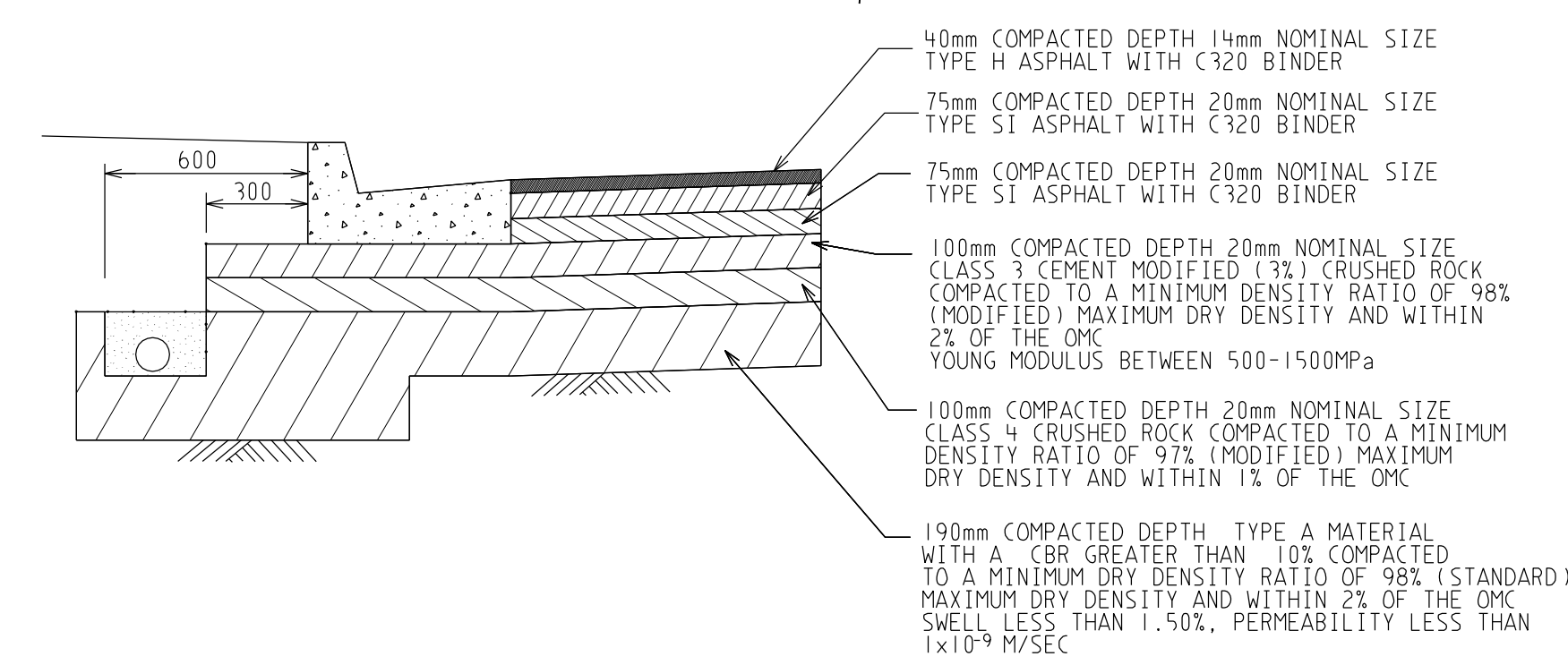


NOTES

- 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.J.). 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. UPTO 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 :
 - BENEATH THE ROAD OR DRIVEWAY PAVEMENT TO THE UNDERSIDE OF THE PAVEMENT.
 - 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 SUPERINTENDENT 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 RAMP 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 CONCRETER MARKS THE KERB AND FOOTPATH EXACTLY ABOVE THE CONDUIT.
- TELSTRA/NBN 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



- TACTILE GROUND SURFACE INDICATORS (TSGI) 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

SHEET INDEX		
SHT No.	VER	DESCRIPTION
1	G	GENERAL NOTES, PAVEMENT DETAILS, DRAWING SCHEDULE, LOCALITY PLAN
2	G	LAYOUT PLAN
3	D	TYPICAL CROSS SECTIONS, THRESHOLD DETAIL, SPEED HUMP DETAILS
4	E	INTERSECTION DETAILS
5	D	ELPIS ROAD LONGITUDINAL SECTION
6	D	ELPIS ROAD CROSS SECTIONS
7	D	ELPIS ROAD CROSS SECTIONS
8	D	ELPIS ROAD CROSS SECTIONS
9	D	PEGASUS DRIVE LONGITUDINAL SECTION
10	D	PEGASUS DRIVE CROSS SECTIONS
11	D	SCORPIO ROAD LONGITUDINAL SECTION
12	D	ALTIS ROAD CROSS SECTIONS
13	D	SCORPIO ROAD CROSS SECTIONS
14	D	COSMO LANE LONGITUDINAL AND CROSS SECTIONS
15	D	STORMWATER DRAINAGE LONGITUDINAL SECTIONS
16	D	STORMWATER DRAINAGE LONGITUDINAL SECTIONS
17	D	STORMWATER DRAINAGE LONGITUDINAL SECTIONS AND PIT SCHEDULE
18	E	SIGNAGE AND LINE MARKING PLAN
19	D	COSMO LANE PAVEMENT JOINT DETAILS
20	E	PASSIVE IRRIGATION PLAN

AMENDMENTS	DATE	REMARKS	CHECKED	SCALE	AS SHOWN	DATUM	AHD	DATE	SEPT. 19	SHEET	1	OF	20	VER	G
G	7.07.2020	SHEET INDEX AMENDED													
F	12.06.2020	SHEET INDEX AMENDED													
E	28.05.2020	SHEET INDEX AMENDED													
D	18.05.2020	SCHOOL CROSSING AMENDED, CONDUITS AMENDED	MELWAY REF.	342-J-7											
C	28.04.2020	ALTIS AMENDED TO SCORPIO	SURVEY	B. P. D.											
B	23.04.2020	PASSIVE IRRIGATION AMENDED	DESIGN	RK											
A	22.04.2020	CONSTRUCTION ISSUE	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 4

GENERAL NOTES, PAVEMENT DETAILS

MUNICIPALITY MELTON

REFERENCE 6751 E/4

BOLLARDS

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

'NO ROAD' SIGN
REFER BOLLARDS NOTE 1 @ 1.5m SPACING
TEMPORARY GARBAGE TRUCK TURNING AREA - 200mm COMPACTED DEPTH 20mm FCR (TYPICAL)

PROVIDE CONCRETE EDGE PROTECTION STRIP WITH AG'S

RAISED PAVEMENT REFER DETAIL SHEET 3

FUTURE STAGE

FUTURE SCHOOL ACCESS



FUNCTIONAL 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	Ex/Natural/FS Level
Sever <300	FS @ Building Line
Sever >300	Top/Toe of Batter
Water	Top Ret. Wall Level
House Drain	100yr Flood Level
Property Inlet	Fill >200mm Prop/Ex
Street Sign	Cut >200mm Prop/Ex
PSM	
Retaining Wall	
Conduits 50mm	
Conduits 100mm	
Ex Gas/Elect/Tel	

AMENDMENTS	DATE	REMARKS
G	7.07.2020	DRIVEWAY AND CONDUITS LOT 428 AMENDED
F	12.06.2020	CONDUIT LOCATIONS AMENDED
E	28.05.2020	PIT OFFSET AMENDED LOT 434
D	18.05.2020	SCHOOL CROSSING AMENDED, CONDUITS AMENDED
C	28.04.2020	ALTIS AMENDED TO SCORPIO
B	23.04.2020	PASSIVE IRRIGATION AMENDED
A	22.04.2020	CONSTRUCTION ISSUE

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

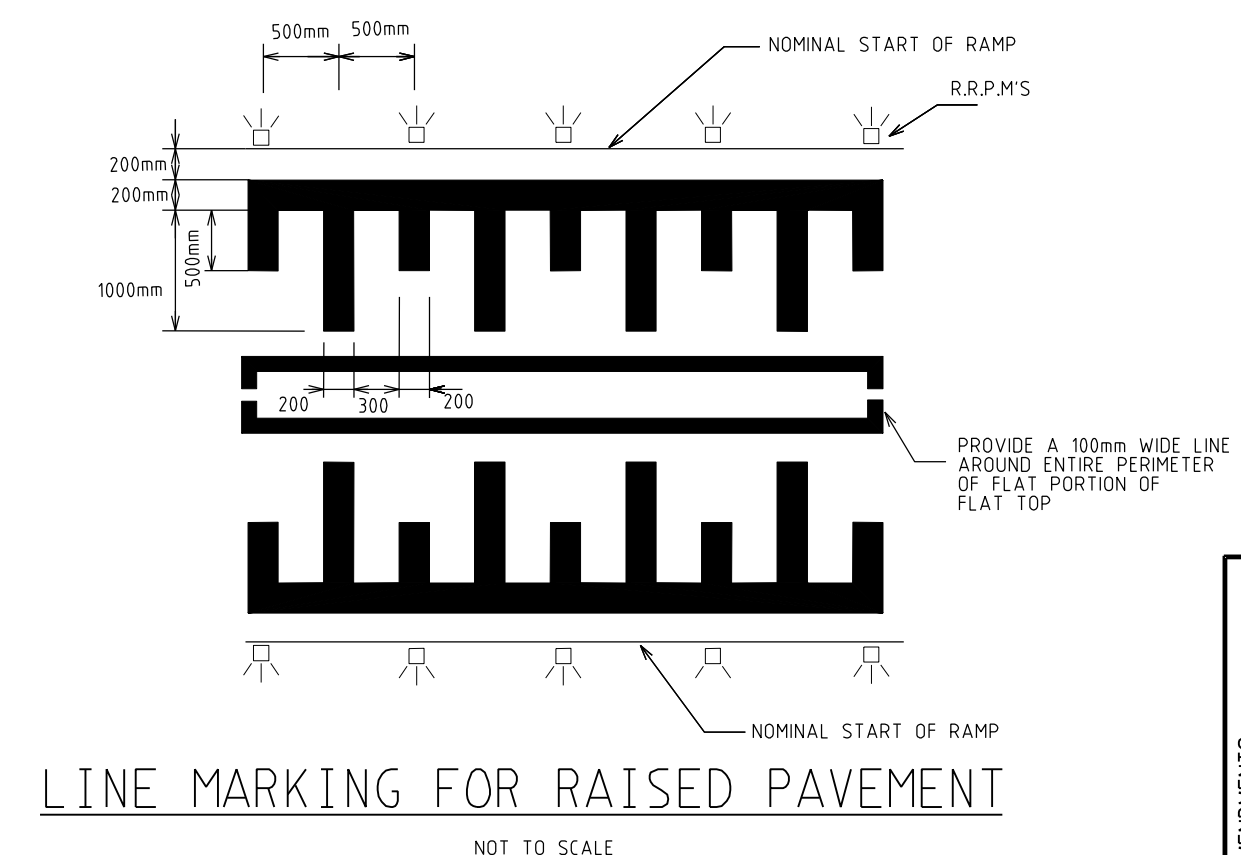
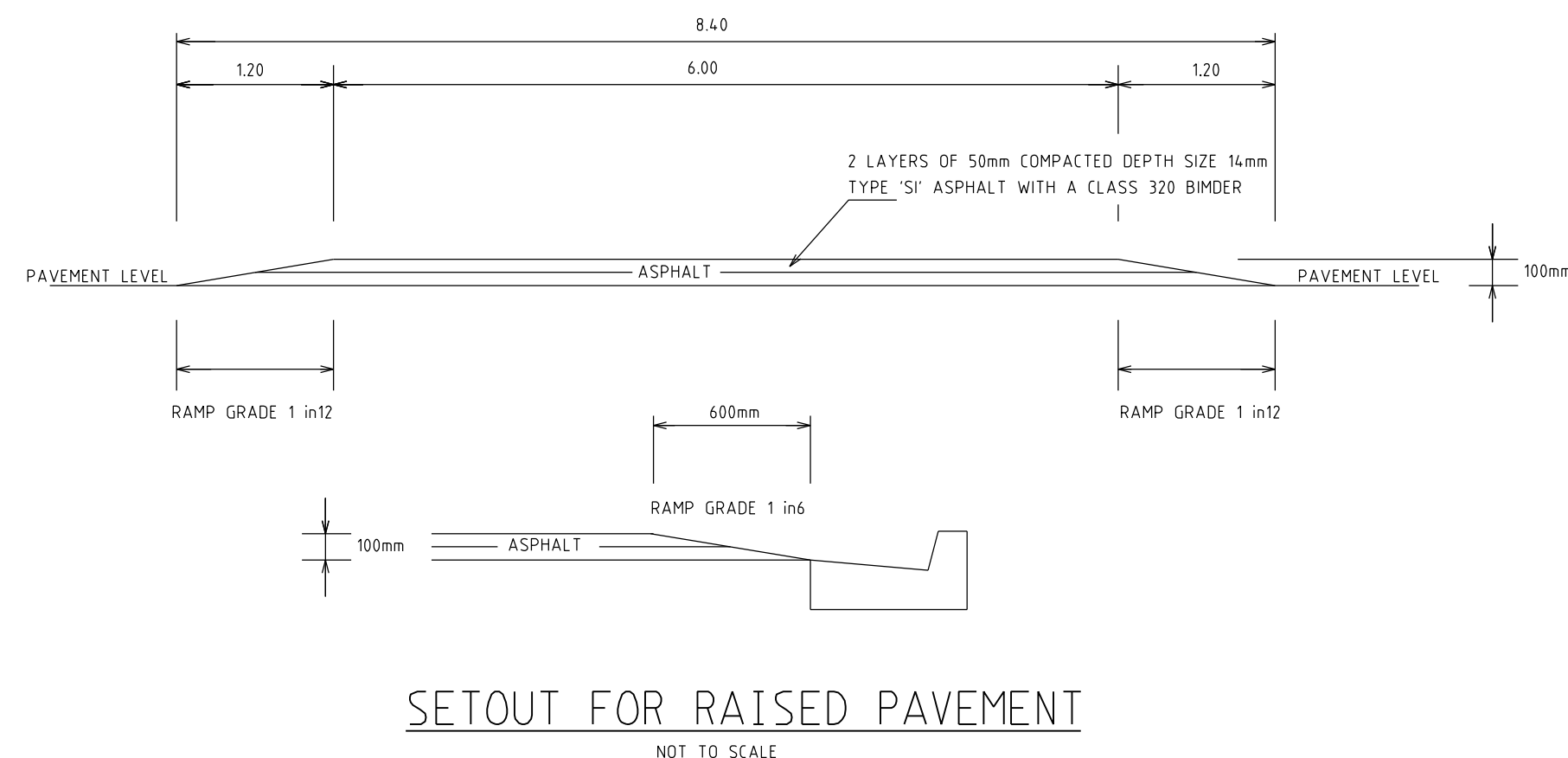
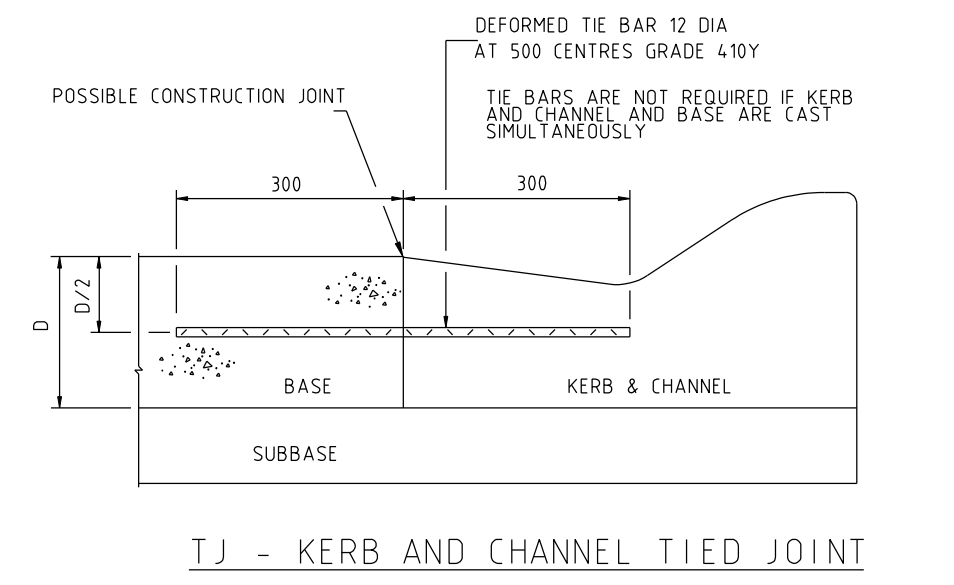
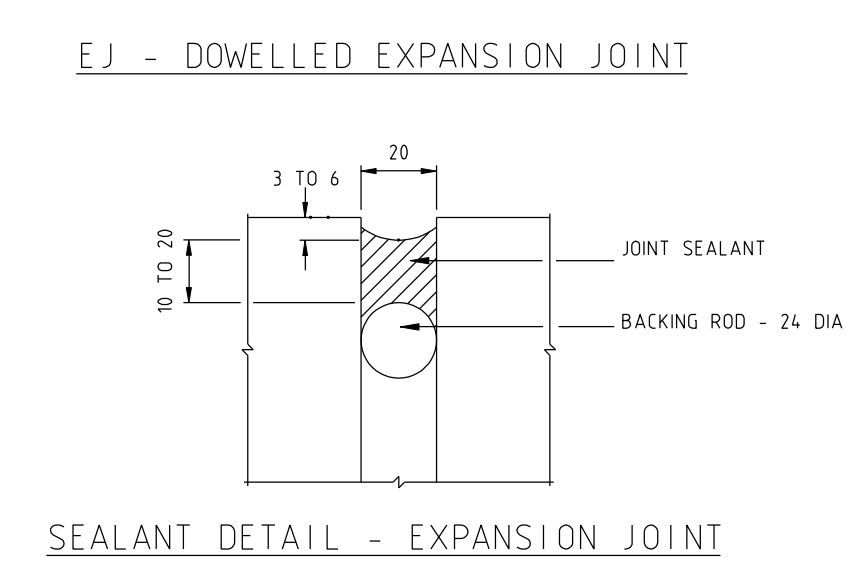
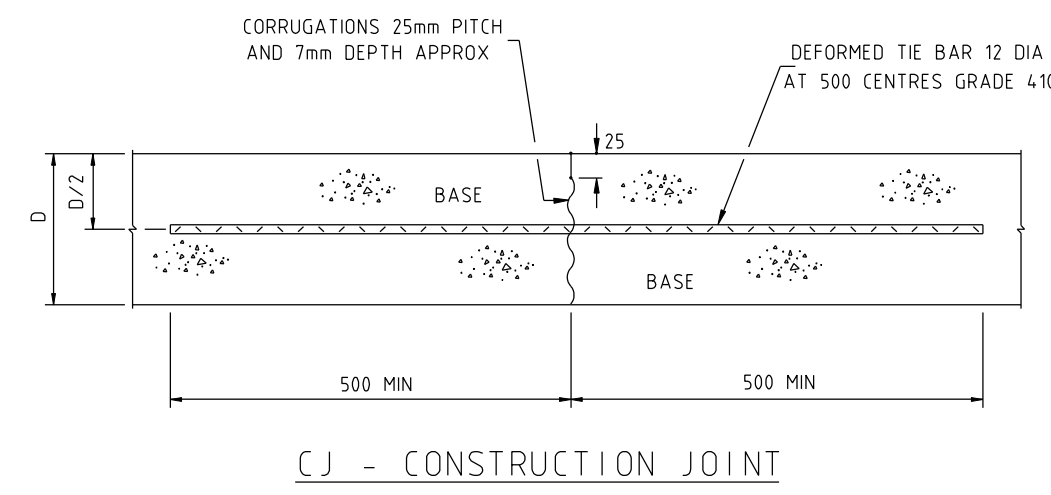
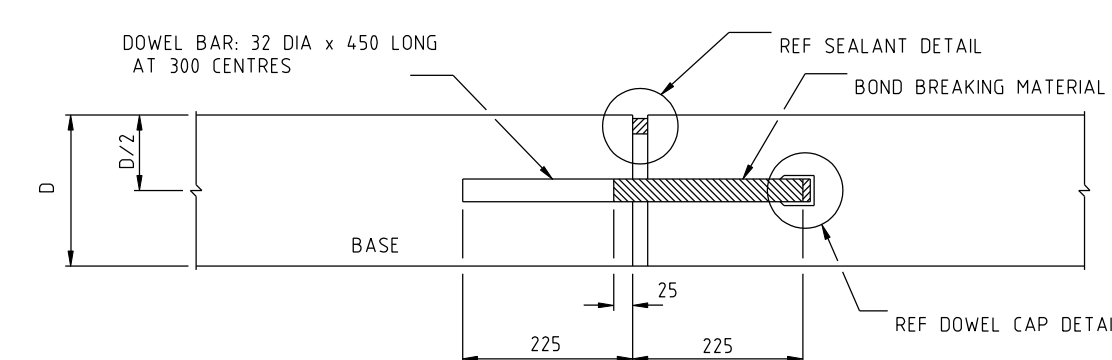
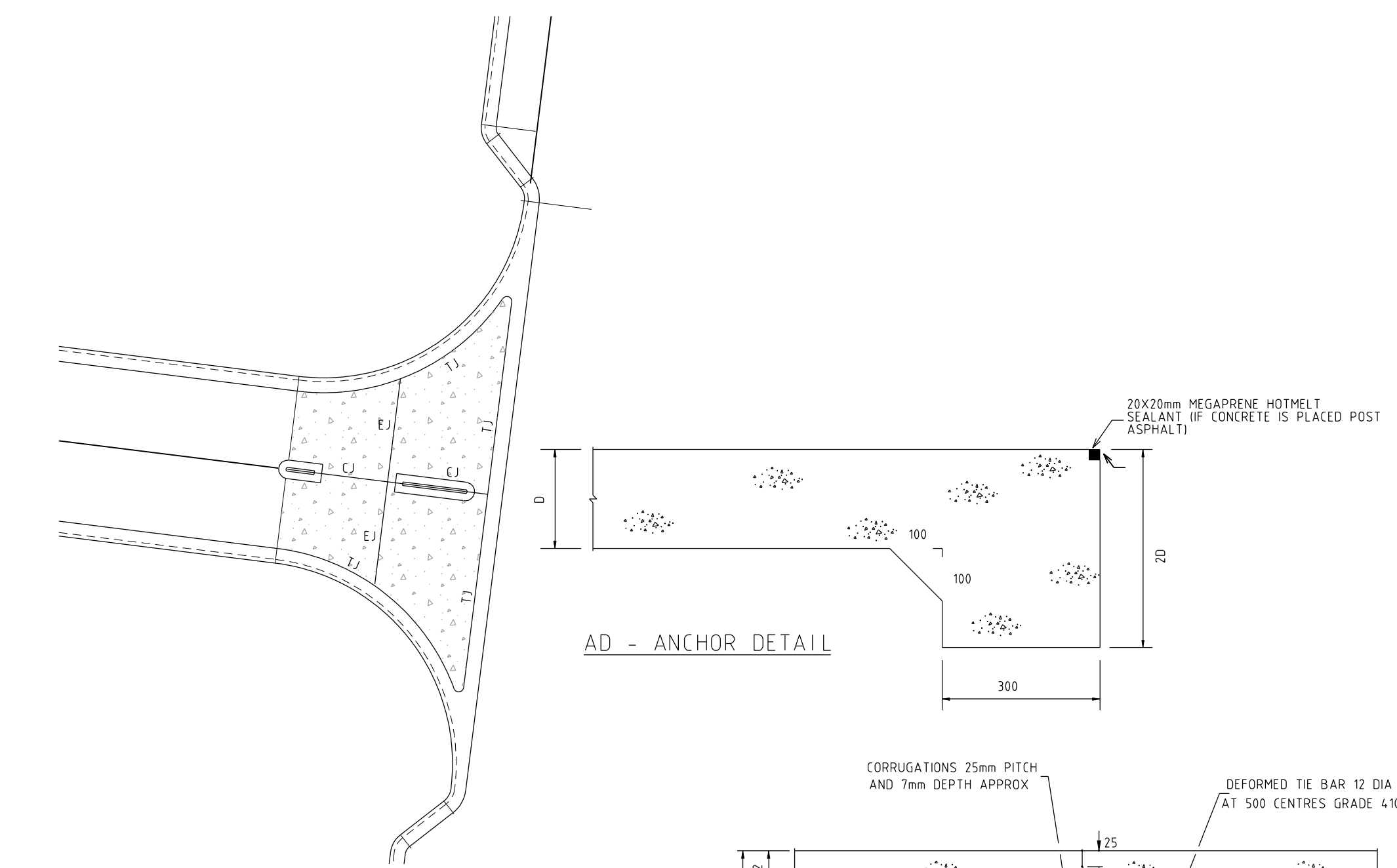
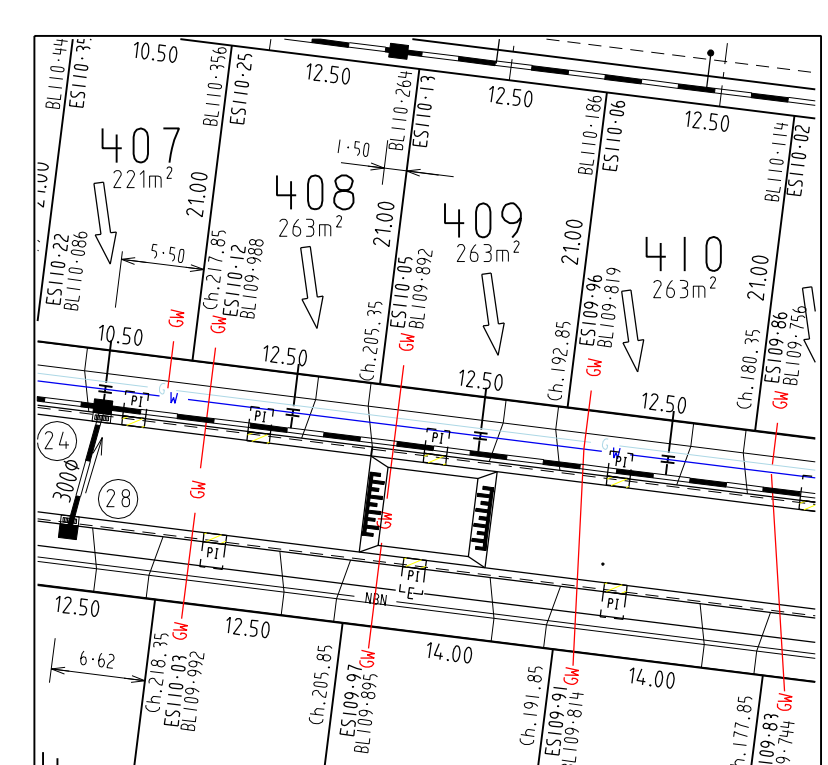
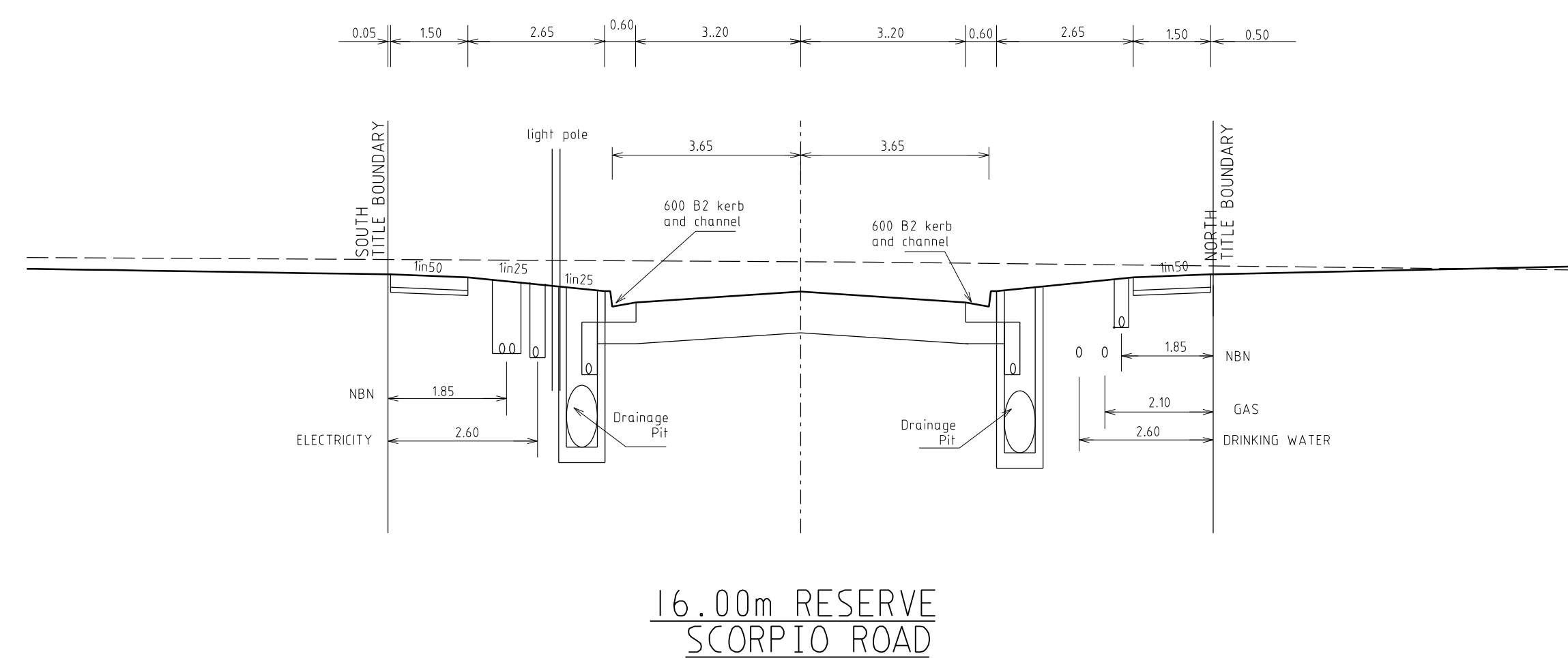
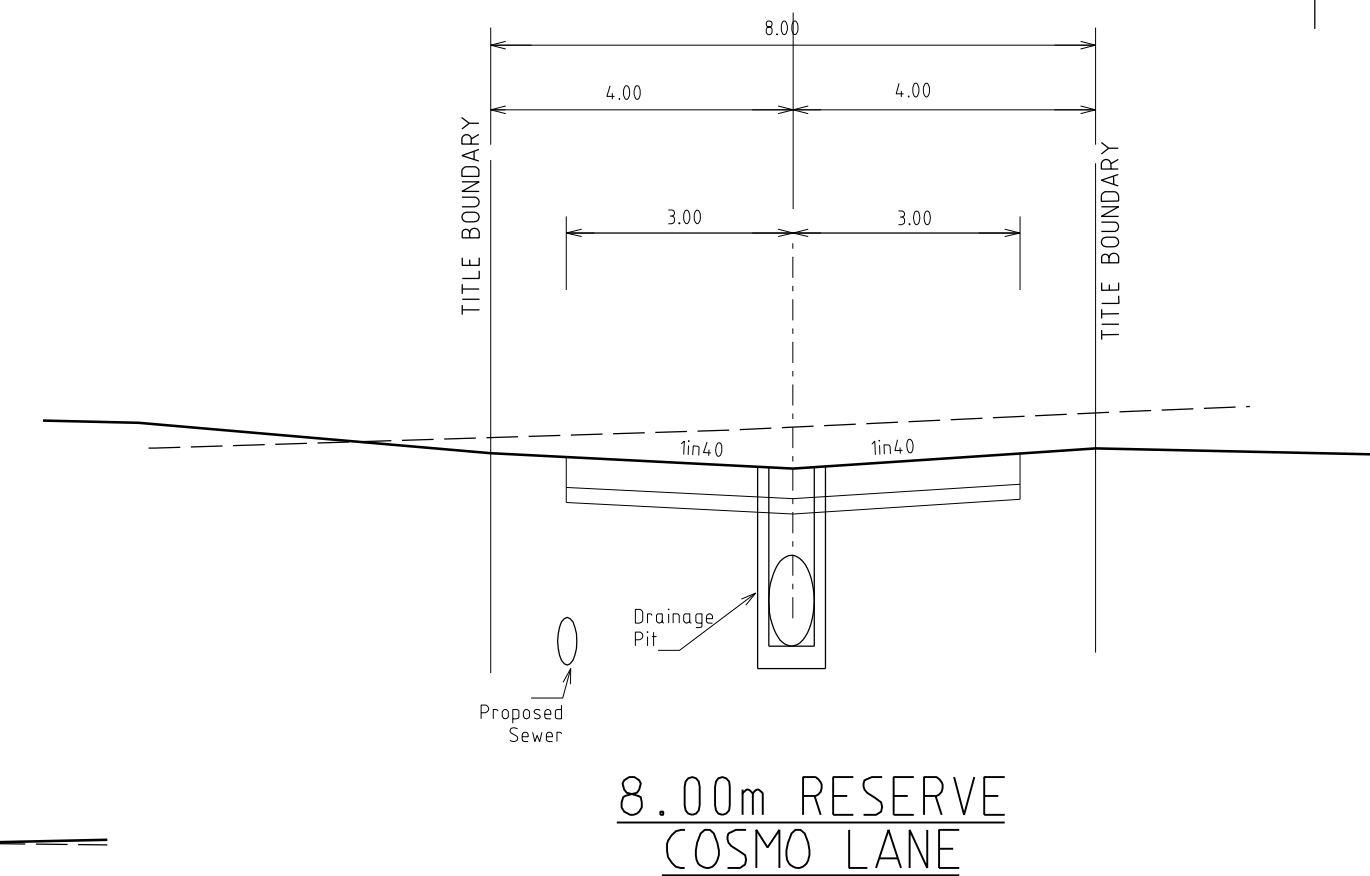
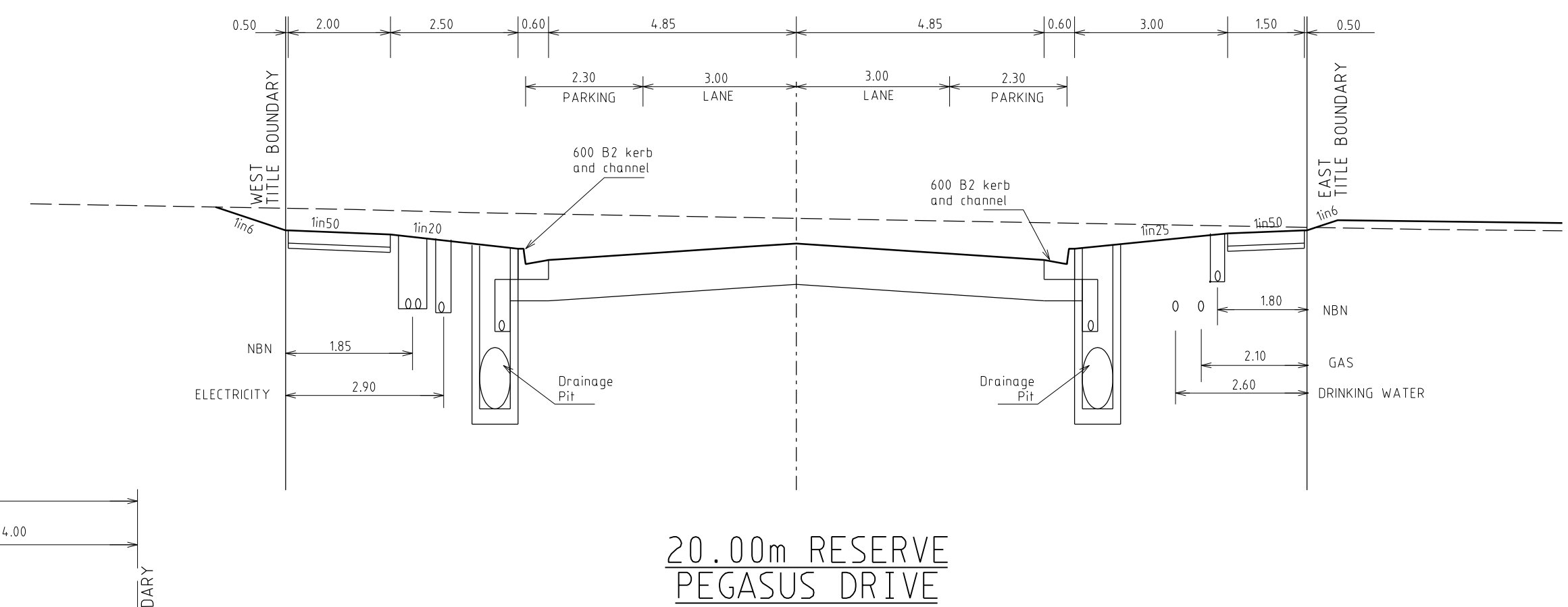
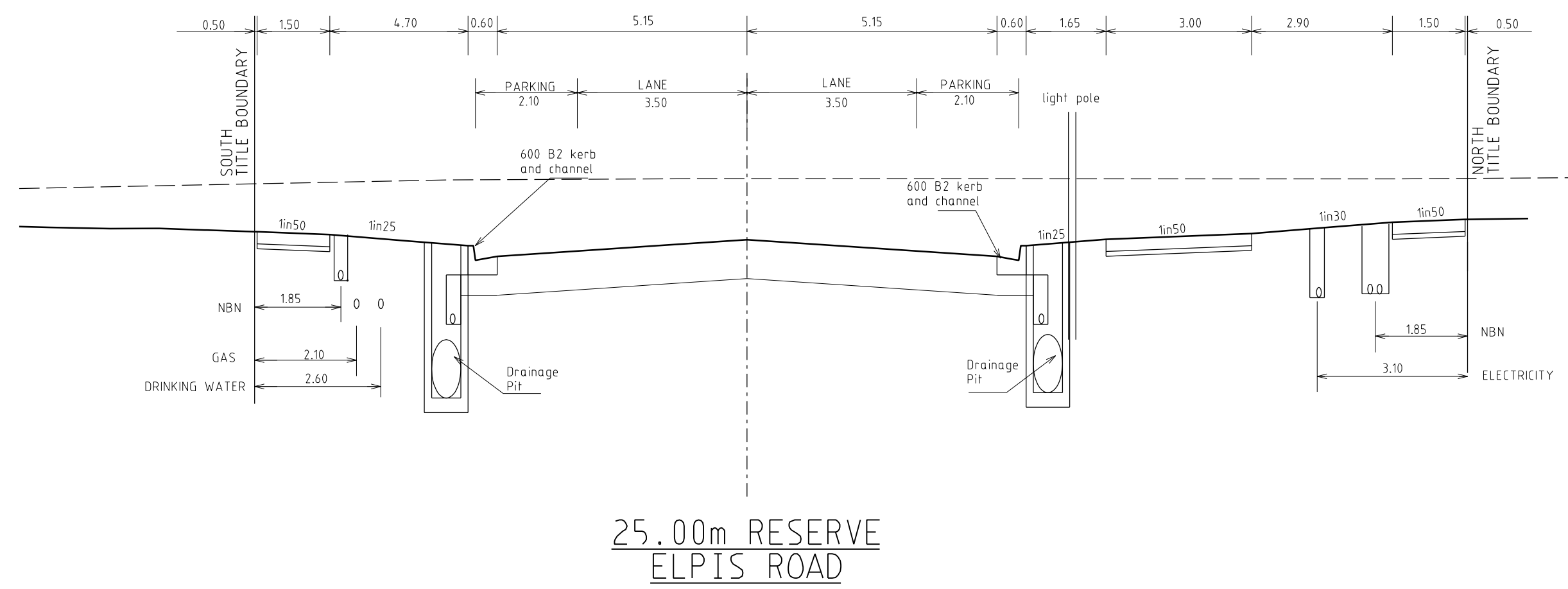
breese pitt dixon pty. ltd.
land surveyors civil engineers
1/19 coto street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310

OPALIA ESTATE STAGE 4
LAYOUT PLAN

SCALE AS SHOWN DATUM AHD DATE SEPT. 19 SHEET 2 OF 20

MUNICIPALITY MELTON REFERENCE 6751 E/4

DATE PLOTTED 20/07/2020



		breese pitt dixon pty. ltd. land surveyors civil engineers 1/19 coto street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
AMENDMENTS		OPALIA ESTATE STAGE 4	
D 18.05.2020 SCHOOL CROSSING AND HD'S AMENDED C 28.04.2020 ALTIS AMENDED TO SCORPIO B 23.04.2020 PASSIVE IRRIGATION AMENDED A 22.04.2020 CONSTRUCTION ISSUE		TYPICAL CROSS SECTIONS AND DETAILS	
VER. DATE		REMARKS	
D 18.05.2020 C 28.04.2020 B 23.04.2020 A 22.04.2020		MELWAY REF. 342-J-7 SURVEY B.P.D. DESIGN RK DRAWN RK CHECKED	
SCALE AS SHOWN		DATUM AHD	
DATE SEPT. 19		SHEET 3 OF 20	
MUNICIPALITY MELTON		REFERENCE 6751 E/4	

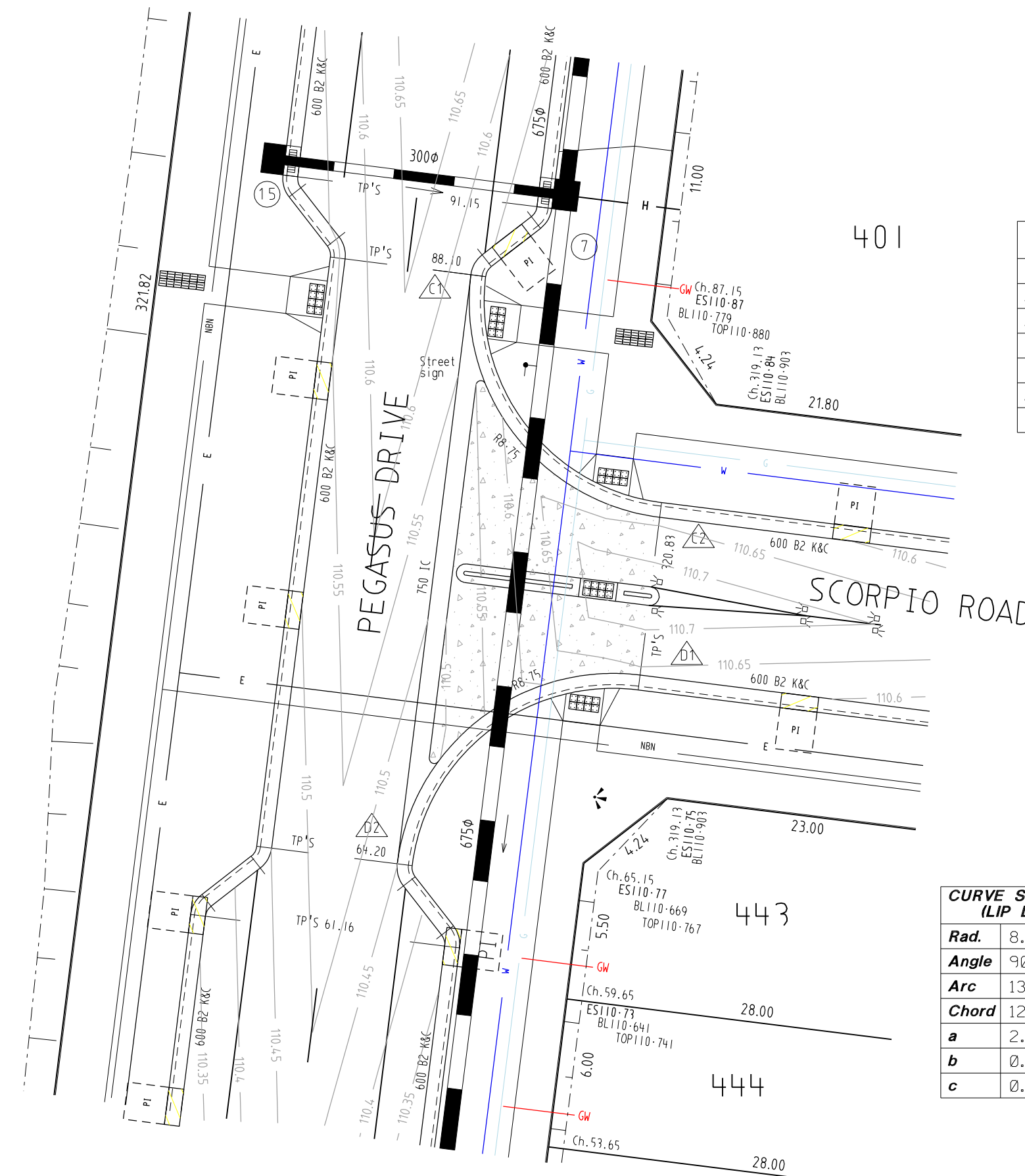
TACTILE GROUND SURFACE INDICATORS (TGS1) ARE TO BE INSTALLED WHERE SHOWN IN ACCORDANCE WITH AS 1428

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

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

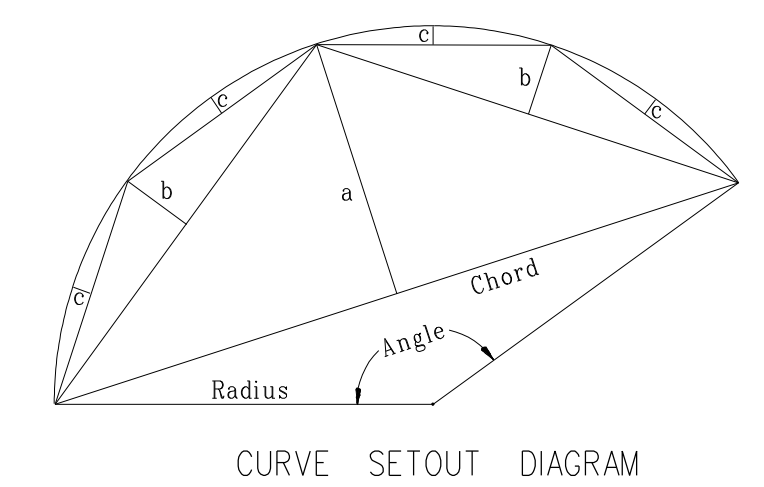
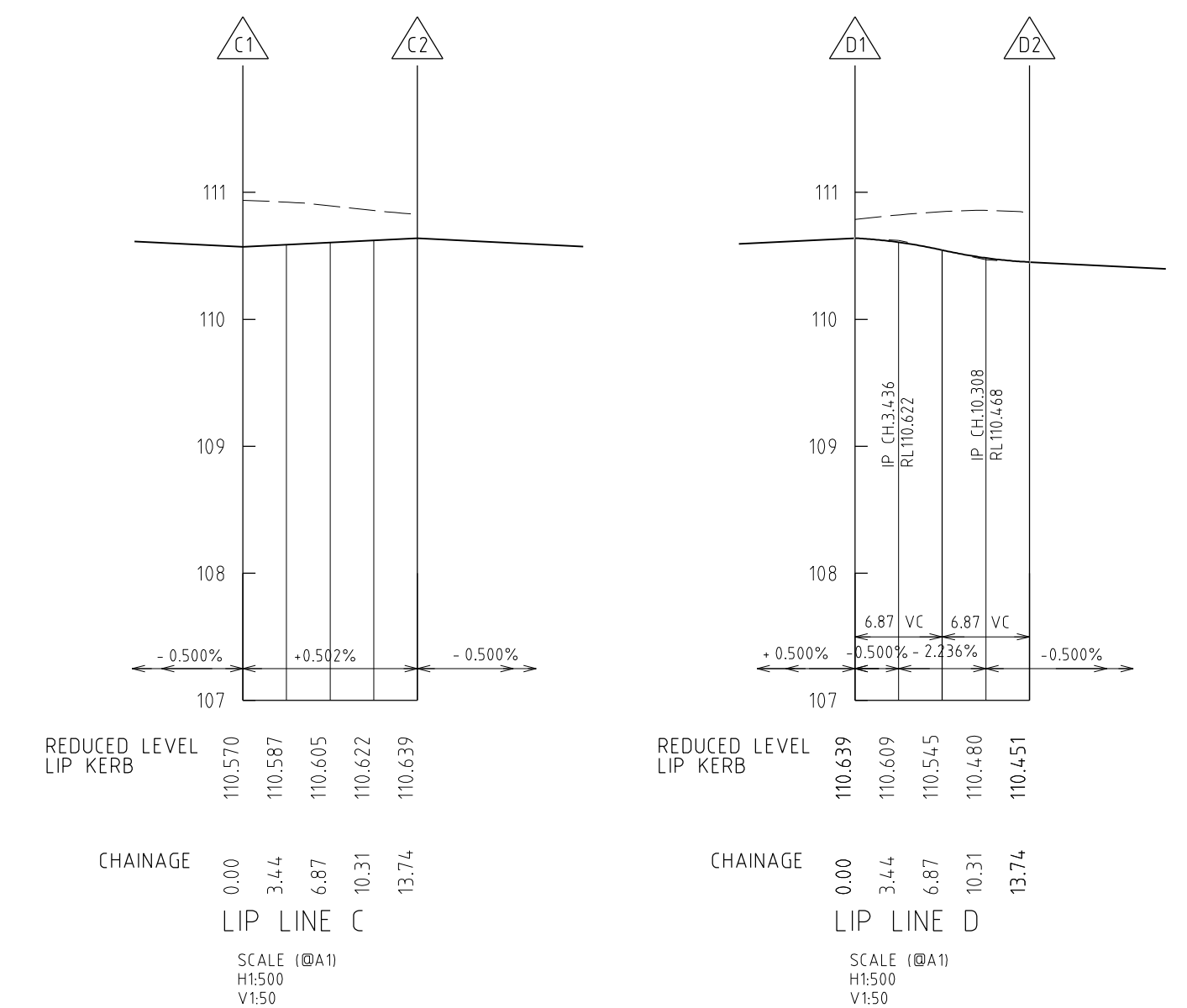
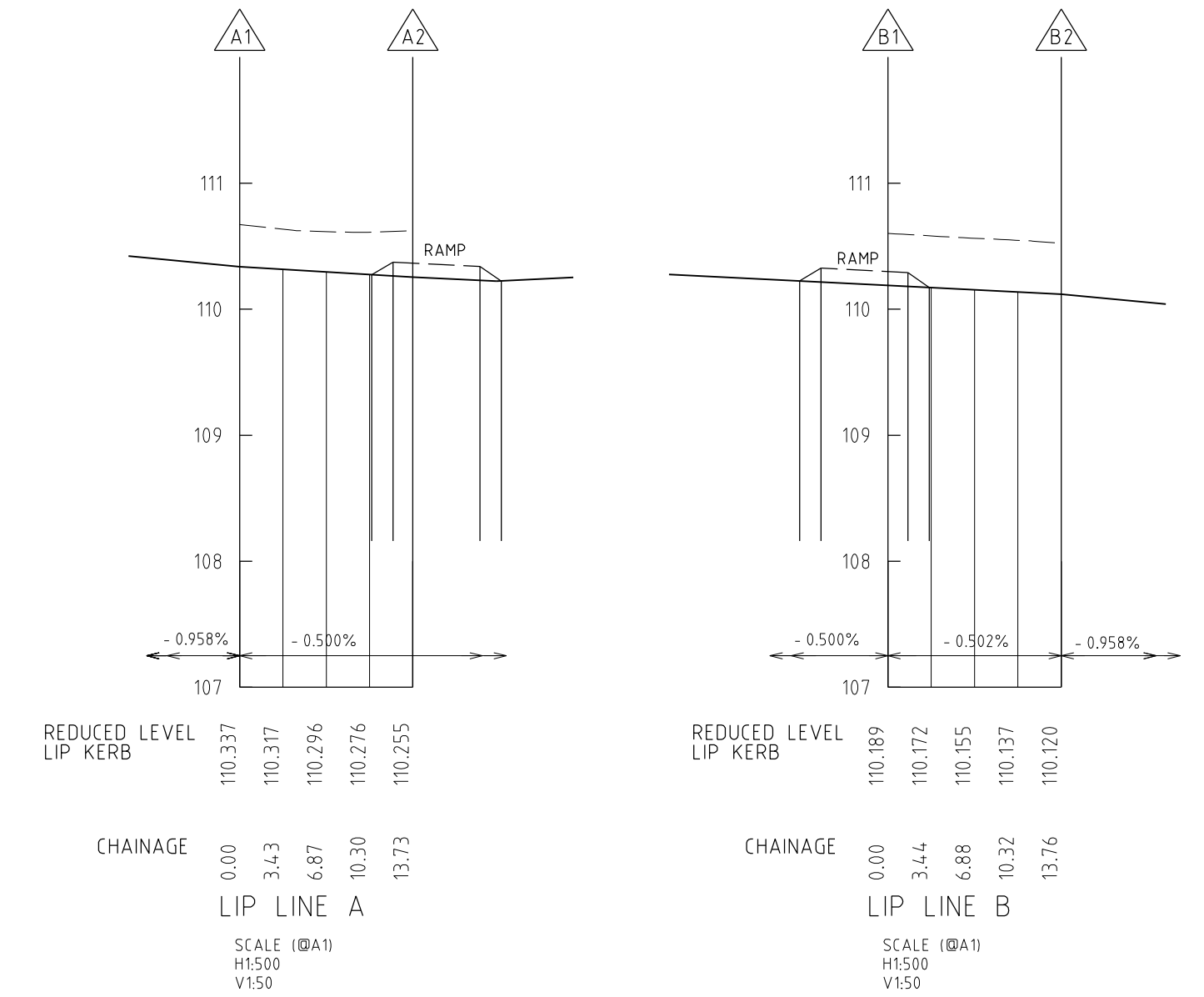


CURVE SETOUT (LIP C1-C2)

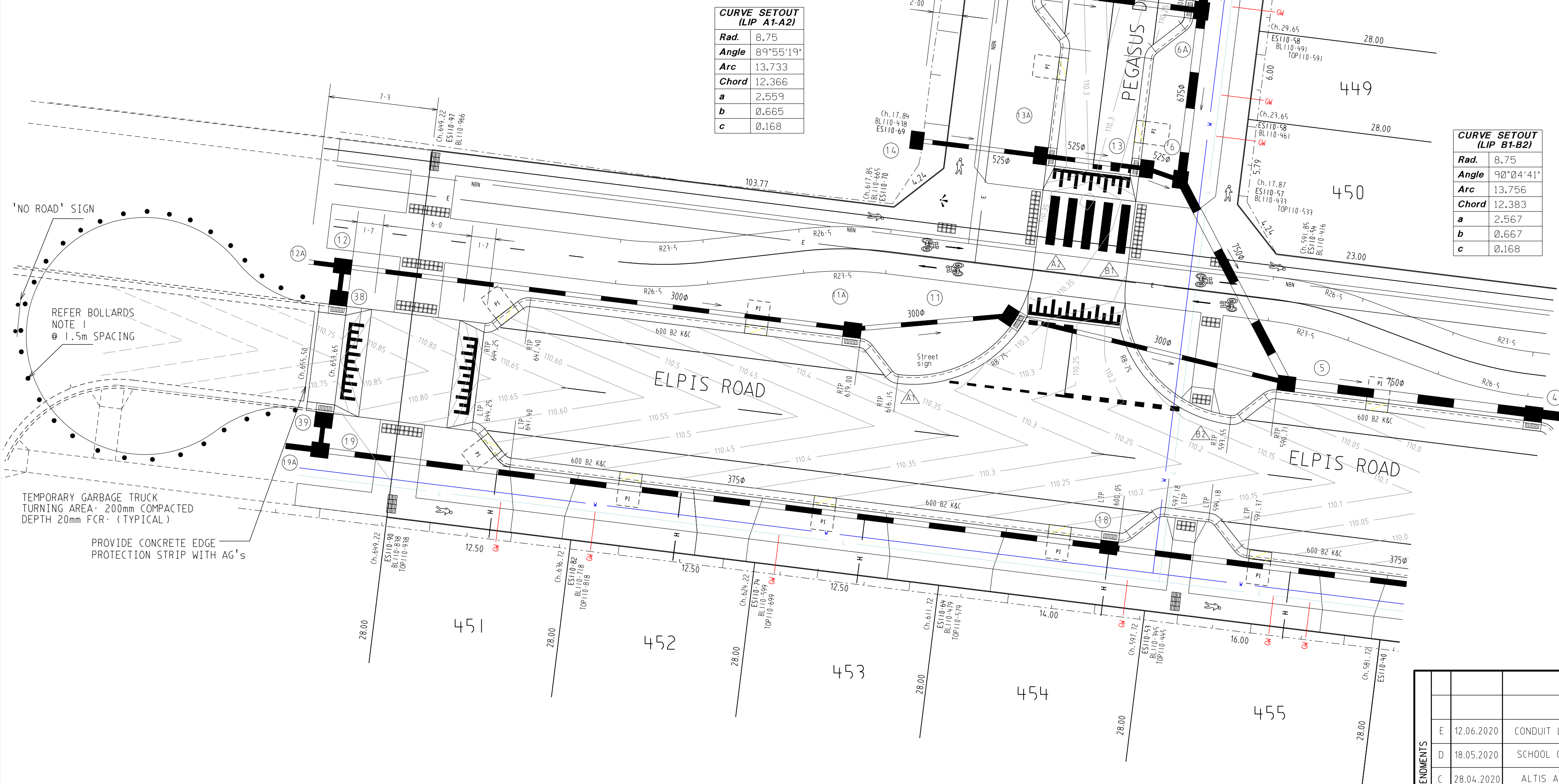
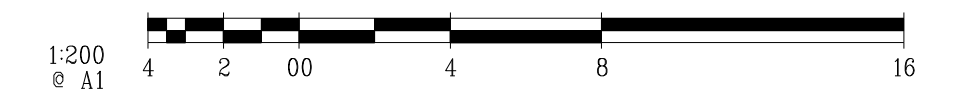
Rad.	8.75
Angle	90°00'00"
Arc	13.745
Chord	12.374
a	2.563
b	0.666
c	0.168

CURVE SETOUT (LIP D1-D2)

Rad.	8.75
Angle	90°00'00"
Arc	13.745
Chord	12.374
a	2.563
b	0.666
c	0.168



INTERSECTION DETAILS



CURVE SETOUT (LIP A1-A2)

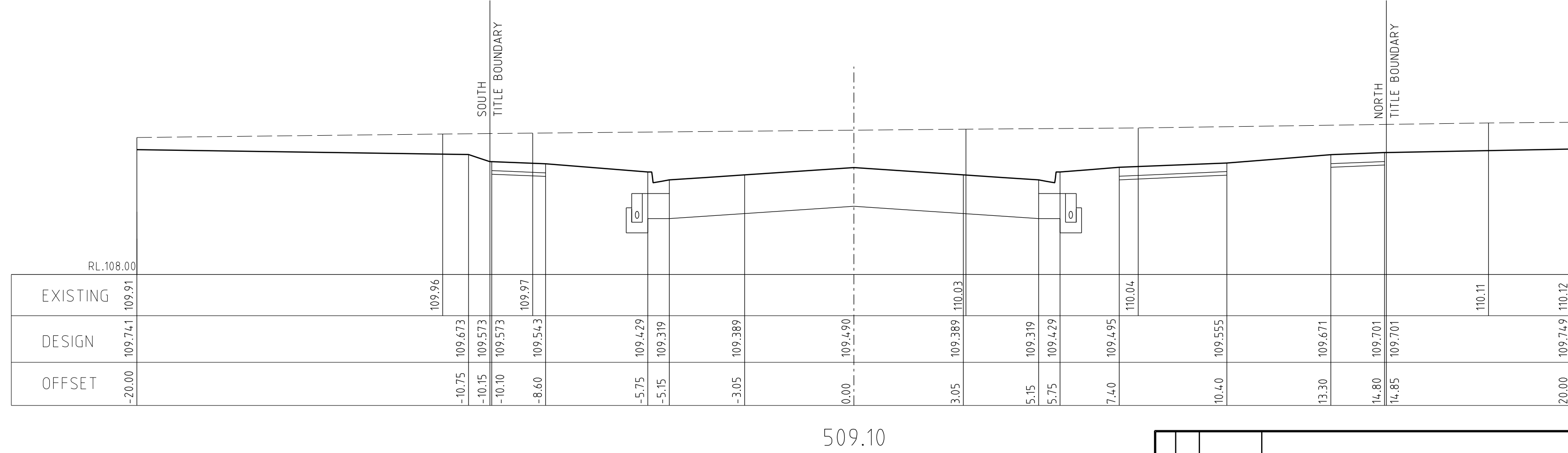
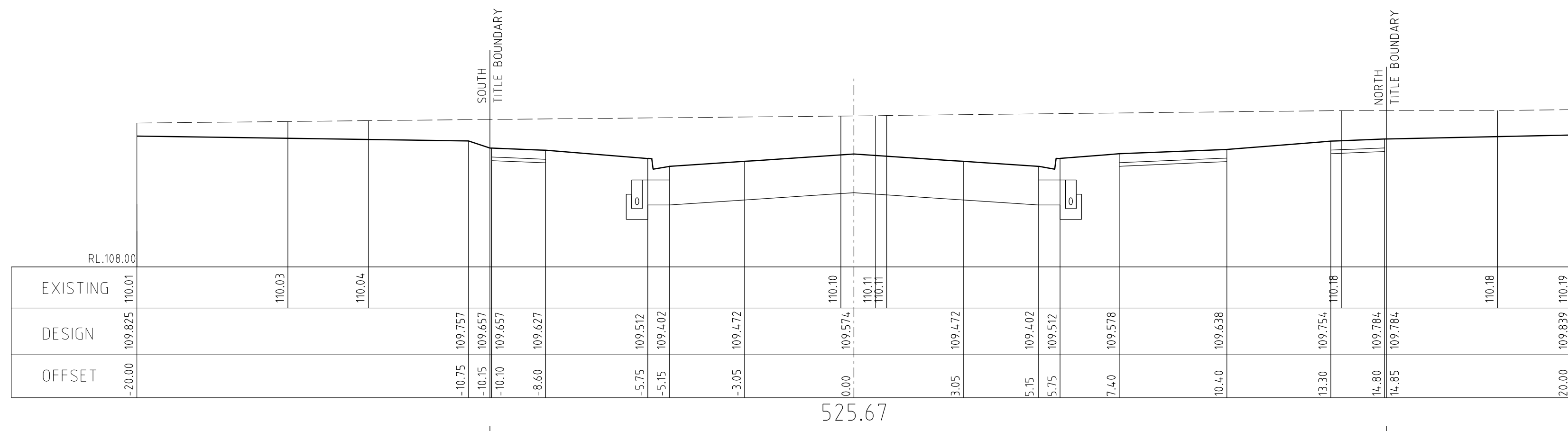
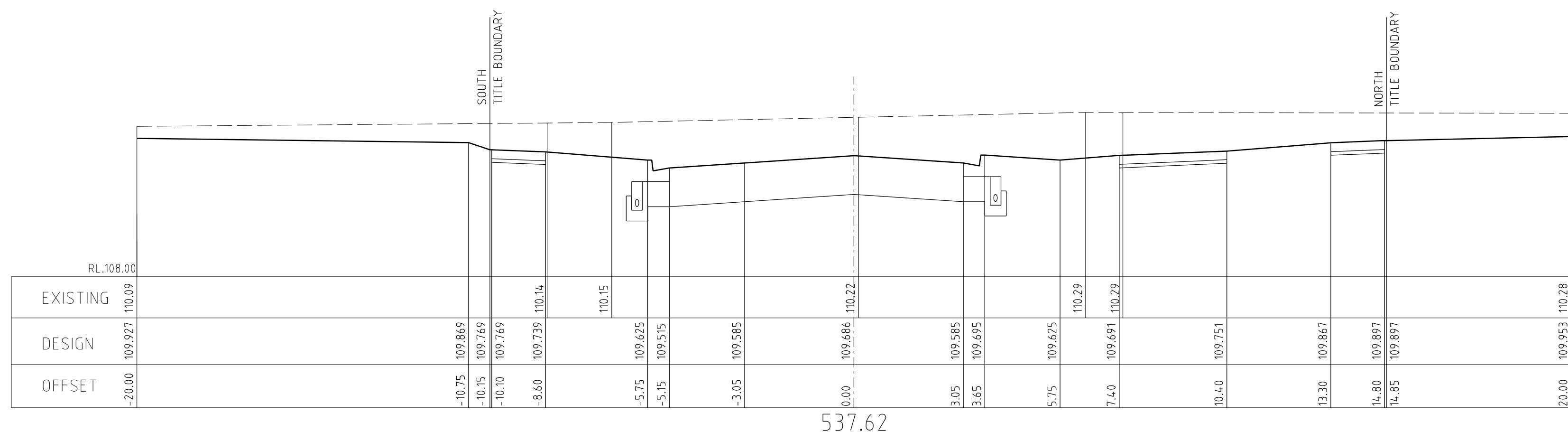
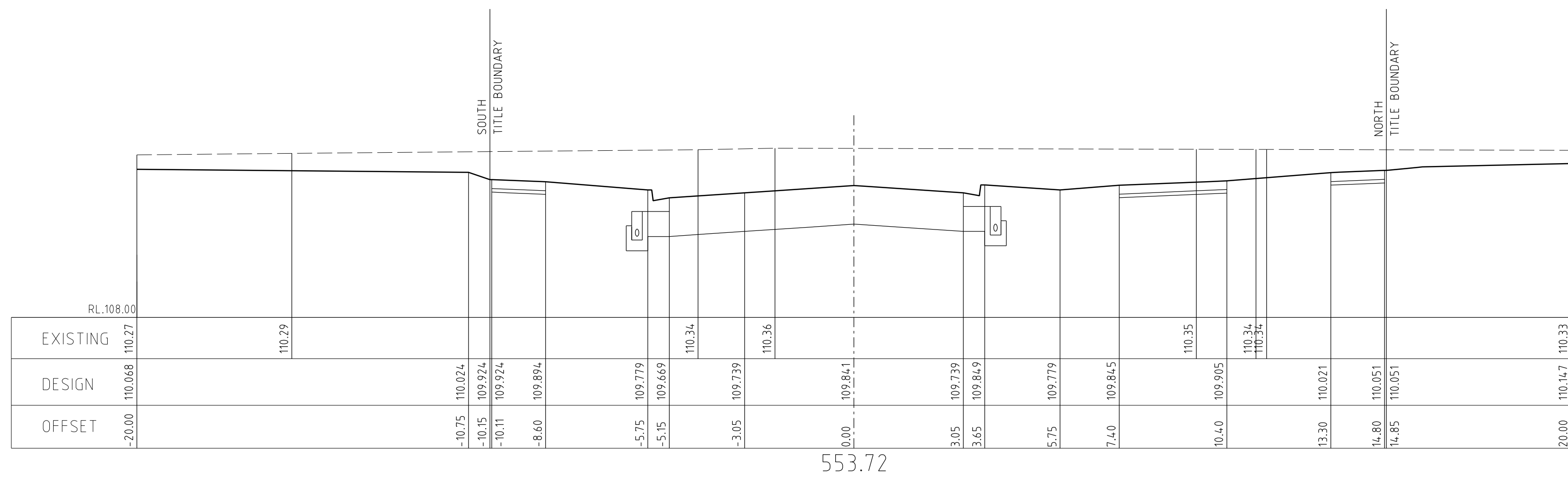
Rad.	8.75
Angle	89°55'19"
Arc	13.733
Chord	12.366
a	2.559
b	0.665
c	0.168

CURVE SETOUT (LIP B1-B2)

Rad.	8.75
Angle	90°04'41"
Arc	13.756
Chord	12.383
a	2.567
b	0.667
c	0.168

AMENDMENTS	DATE	REMARKS	CHECKED
E	12.06.2020	CONDUIT LOCATIONS AMENDED	
D	18.05.2020	SCHOOL CROSSING AMENDED, CONDUITS AMENDED	
C	28.04.2020	ALTIS AMENDED TO SCORPIO	
B	23.04.2020	PASSIVE IRRIGATION AMENDED	
A	22.04.2020	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>MUNICIPALITY MELTON</p>
<p>OPALIA ESTATE STAGE 4 INTERSECTION DETAILS</p>	<p>REFERENCE 6751 E/4</p>
<p>SCALE AS SHOWN DATUM AHD DATE SEPT. 19</p>	<p>SHEET 4 OF 20</p>

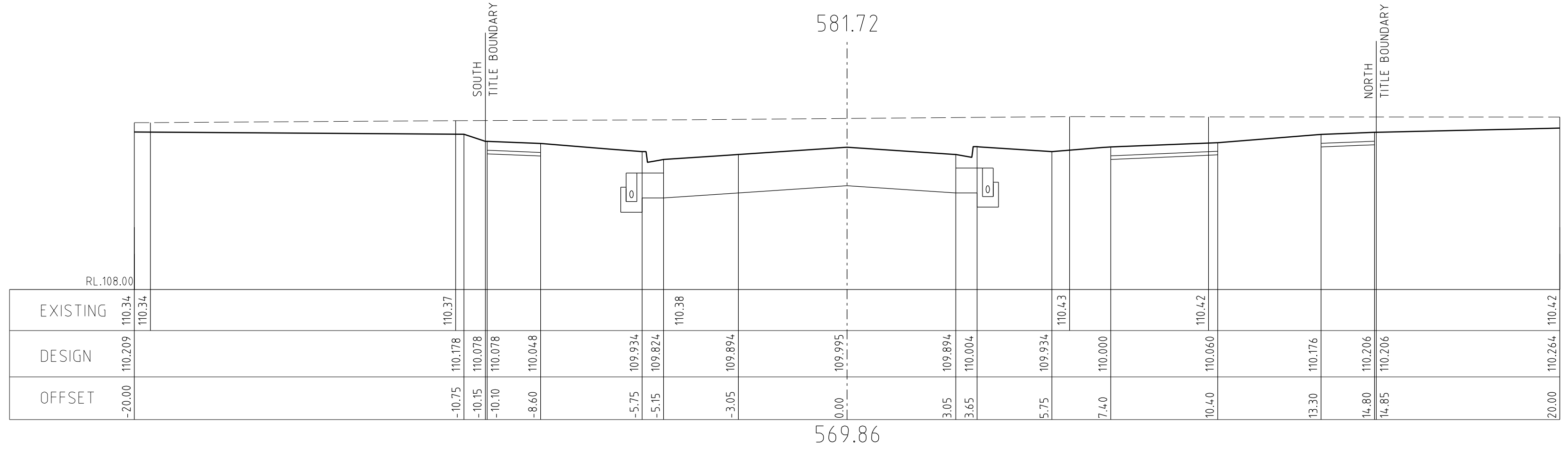
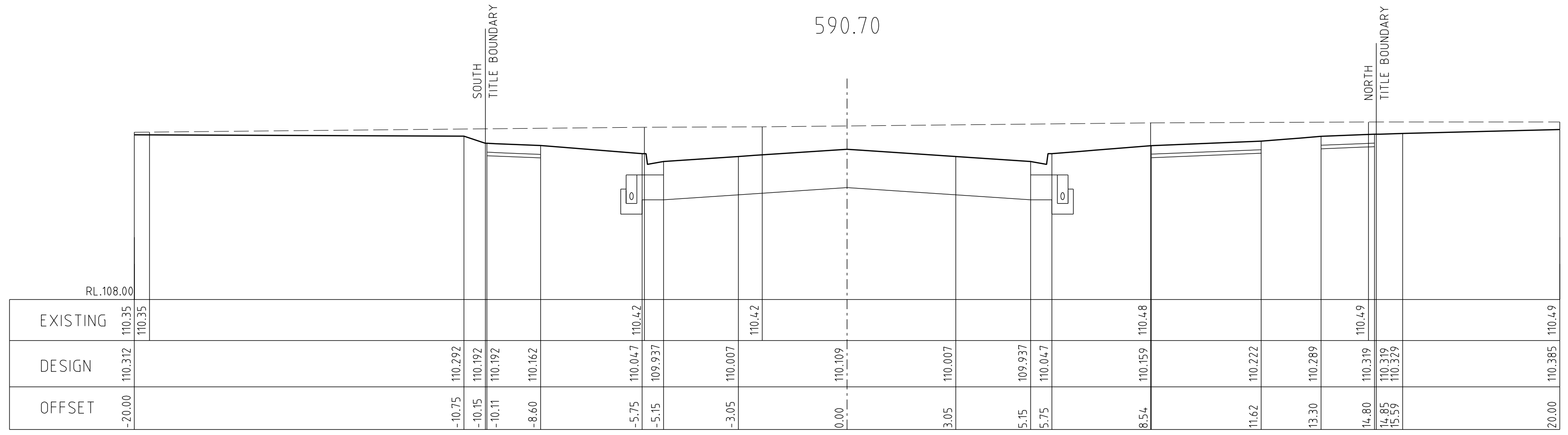
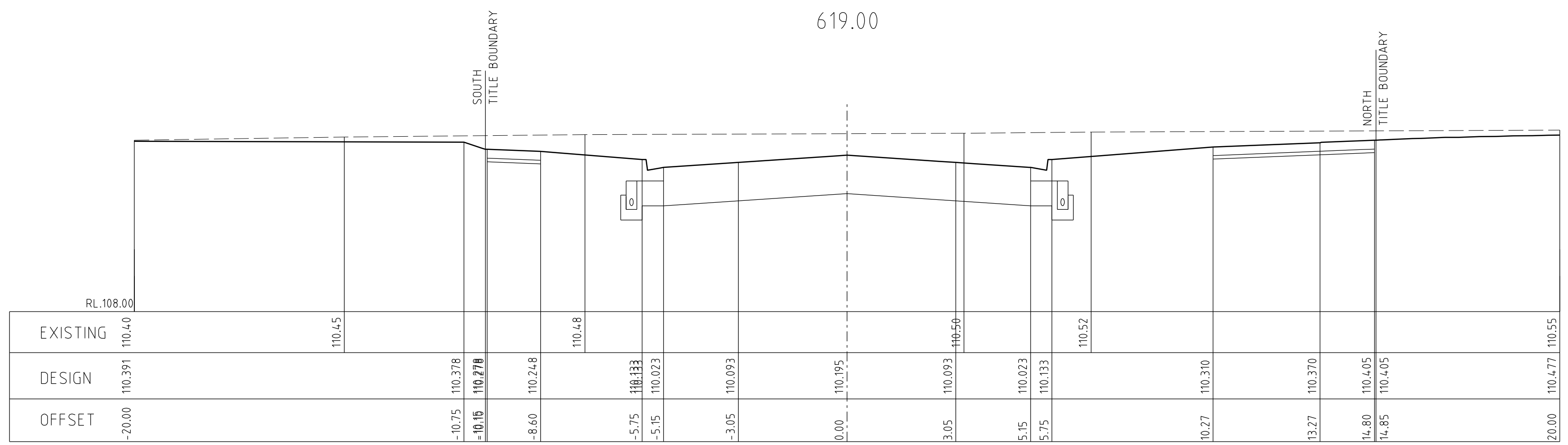
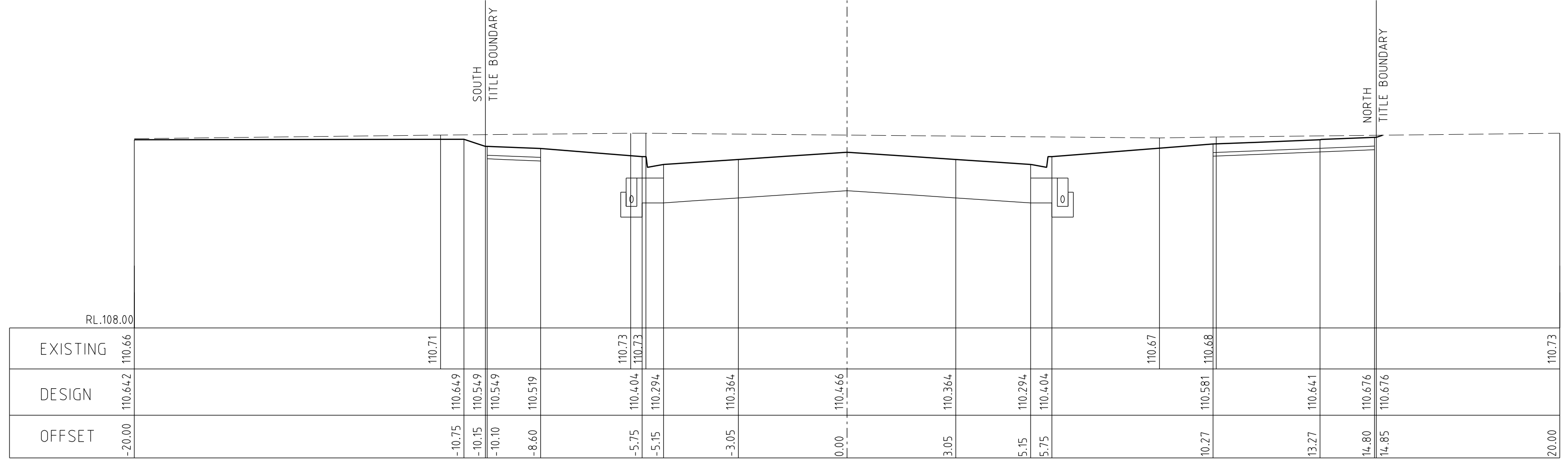


ELPIS ROAD CROSS SECTIONS

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	
AMENDMENTS		MELWAY REF. 342-J-7		MUNICIPALITY MELTON	
D 18.05.2020 SCHOOL CROSSING AND HD'S AMENDED		SURVEY B. P. D.		REFERENCE 6751 E/4	
C 28.04.2020 ALTIS AMENDED TO SCORPIO		DESIGN RK		SHEET 6 OF 20	
B 23.04.2020 PASSIVE IRRIGATION AMENDED		DRAWN RK		DATE SEPT. 19	
A 22.04.2020 CONSTRUCTION ISSUE		CHECKED		SCALE AS SHOWN DATUM AHD	
VER. DATE		REMARKS		DATE SEPT. 19	

D:\10pdr\6751\design\stage 4\2020-09-28\EV-des.dwg

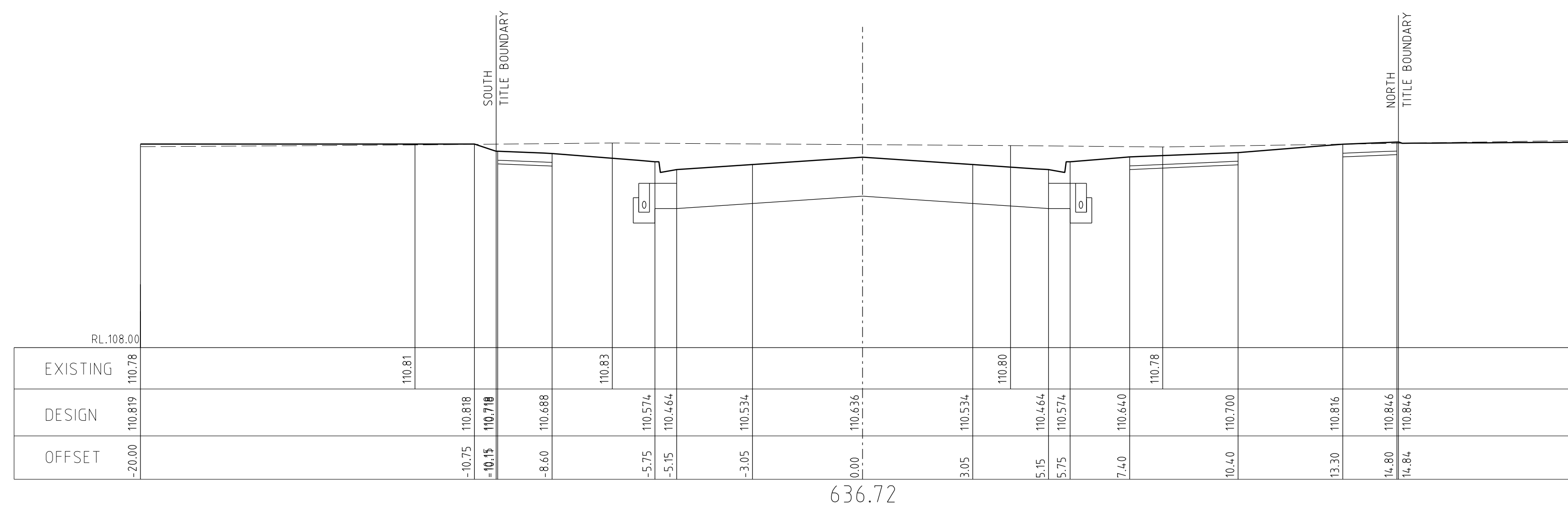
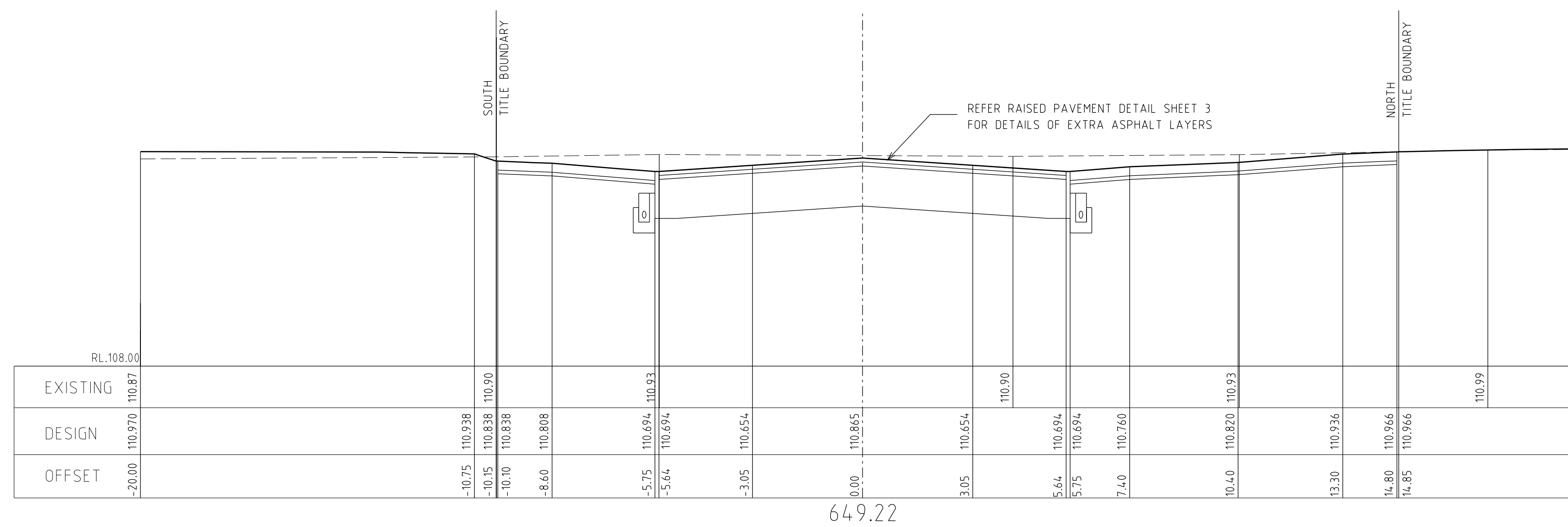


ELPIS ROAD CROSS SECTIONS

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	
AMENDMENTS D 18.05.2020 SCHOOL CROSSING AND HD'S AMENDED C 28.04.2020 ALTIS AMENDED TO SCORPIO B 23.04.2020 PASSIVE IRRIGATION AMENDED A 22.04.2020 CONSTRUCTION ISSUE		MELWAY REF. 342-J-7 SURVEY B.P.D. DESIGN RK DRAWN RK		OPALIA ESTATE STAGE 4 ELPIS ROAD CROSS SECTIONS	
VER DATE REMARKS		CHECKED		MUNICIPALITY MELTON REFERENCE 6751 E/4	
		SCALE AS SHOWN DATUM AHD DATE SEPT. 19		SHEET 7 OF 20 D	

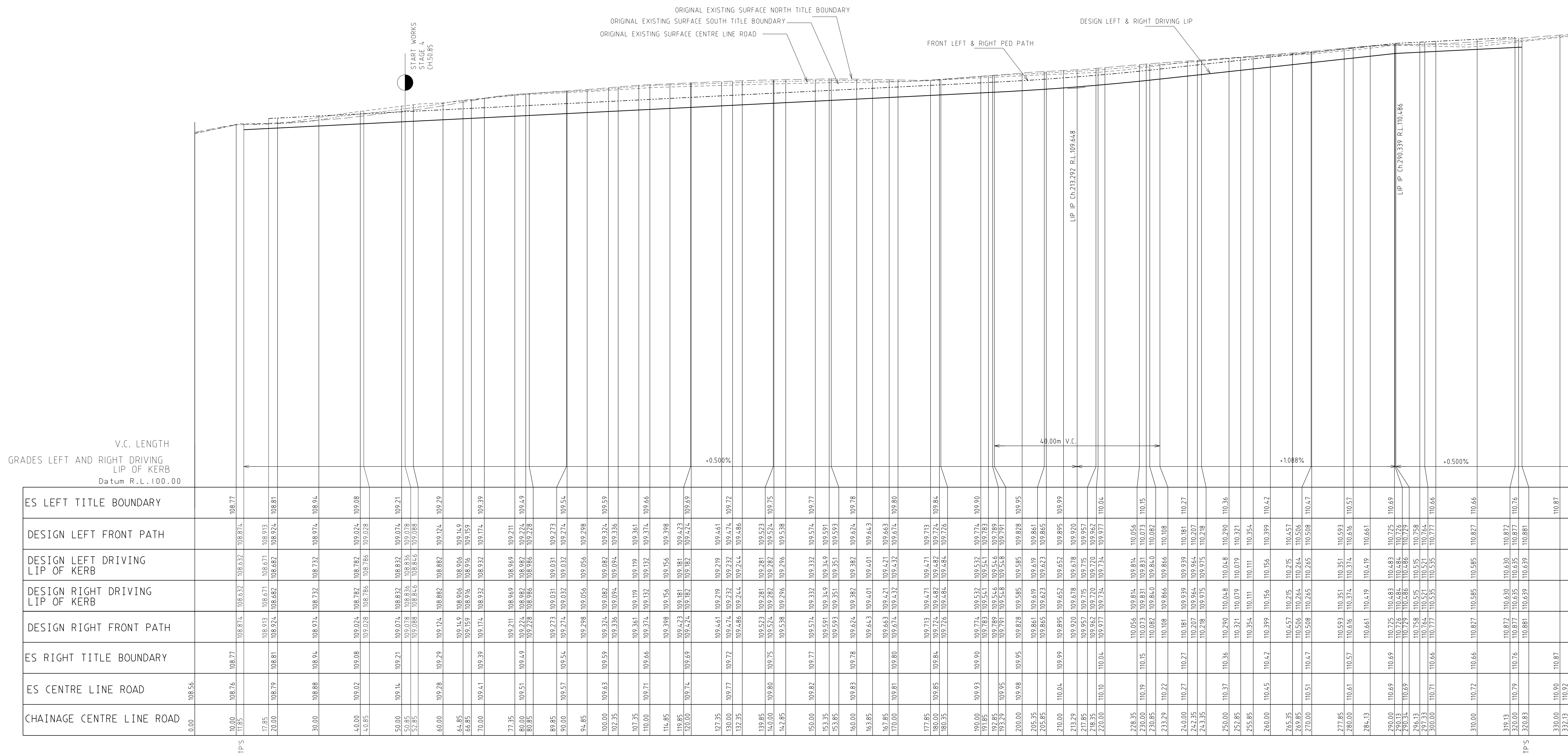
D:\bpd - 6751\design\stage 4\2020-04-28\EN-des.dgn



ELPIS ROAD 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	
AMENDMENTS		MELWAY REF. 342-J-7		MUNICIPALITY MELTON	
D 18.05.2020 SCHOOL CROSSING AND HD'S AMENDED		SURVEY B.P.D.		REFERENCE 6751 E/4	
C 28.04.2020 ALTIS AMENDED TO SCORPIO		DESIGN RK		OPALIA ESTATE STAGE 4	
B 23.04.2020 PASSIVE IRRIGATION AMENDED		DRAWN RK		ELPIS ROAD CROSS SECTIONS	
A 22.04.2020 CONSTRUCTION ISSUE		CHECKED		SCALE AS SHOWN DATUM AHD DATE SEPT. 19 SHEET 8 OF 20	
VER. DATE		REMARKS		DATE SEPT. 19	

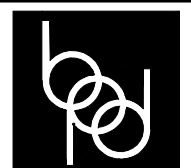


TP'S	ES LEFT TITLE BOUNDARY	DESIGN LEFT FRONT PATH	DESIGN LEFT DRIVING LIP OF KERB	DESIGN RIGHT DRIVING LIP OF KERB	DESIGN RIGHT FRONT PATH	ES RIGHT TITLE BOUNDARY	ES CENTRE LINE ROAD	CHAINAGE CENTRE LINE ROAD
0.00	108.56						108.56	
10.00	108.76	108.77	108.632	108.632	108.774	108.77	108.76	108.77
11.85								
17.85	108.913	108.671	108.671	108.671	108.913	108.913	108.913	108.913
20.00	108.79	108.81	108.682	108.682	108.81	108.81	108.79	108.81
30.00	108.88	108.94	108.732	108.732	108.94	108.94	108.88	108.94
40.00	109.02	109.08	109.074	109.074	109.08	109.08	109.02	109.08
40.85								
50.00	109.14	109.21	109.074	109.074	109.21	109.21	109.14	109.21
50.85								
52.85								
60.00	109.28	109.29	109.124	109.124	109.29	109.29	109.28	109.29
64.85								
66.85								
70.00	109.41	109.39	109.174	109.174	109.39	109.39	109.41	109.39
77.35								
80.00	109.51	109.49	109.274	109.274	109.49	109.49	109.51	109.49
80.85								
89.85								
90.00	109.57	109.54	109.273	109.273	109.54	109.54	109.57	109.54
94.85								
100.00	109.63	109.59	109.324	109.324	109.59	109.59	109.63	109.59
102.35								
107.35								
110.00	109.71	109.66	109.374	109.374	109.66	109.66	109.71	109.66
114.85								
119.85								
120.00	109.74	109.69	109.424	109.424	109.69	109.69	109.74	109.69
127.35								
130.00	109.77	109.72	109.474	109.474	109.72	109.72	109.77	109.72
132.35								
139.85								
140.00	109.80	109.75	109.524	109.524	109.75	109.75	109.80	109.75
142.85								
150.00	109.82	109.77	109.574	109.574	109.77	109.77	109.82	109.77
151.35								
151.85								
160.00	109.83	109.78	109.624	109.624	109.78	109.78	109.83	109.78
163.85								
167.85								
170.00	109.81	109.80	109.674	109.674	109.80	109.80	109.81	109.80
177.85								
180.00	109.85	109.84	109.724	109.724	109.84	109.84	109.85	109.84
180.35								
190.00	109.93	109.90	109.774	109.774	109.90	109.90	109.93	109.90
191.85								
192.85								
192.95								
200.00	109.98	109.95	109.828	109.828	109.95	109.95	109.98	109.95
205.35								
205.85								
210.00	110.04	109.99	109.895	109.895	109.99	109.99	110.04	109.99
213.29								
217.85								
218.35								
220.00	110.10	110.04	109.977	109.977	110.04	110.04	110.10	110.04
228.35								
230.00	110.19	110.15	110.073	110.073	110.15	110.15	110.19	110.15
230.85								
233.29								
240.00	110.27	110.27	110.181	110.181	110.27	110.27	110.27	110.27
242.35								
243.35								
250.00	110.37	110.36	110.290	110.290	110.36	110.36	110.37	110.36
252.85								
255.85								
260.00	110.45	110.42	110.399	110.399	110.42	110.42	110.45	110.42
265.35								
269.85								
270.00	110.51	110.47	110.508	110.508	110.47	110.47	110.51	110.47
277.85								
280.00	110.61	110.57	110.616	110.616	110.57	110.57	110.61	110.57
284.13								
290.00	110.69	110.69	110.725	110.725	110.69	110.69	110.69	110.69
290.13								
290.34								
294.13								
297.33								
300.00	110.71	110.66	110.777	110.777	110.66	110.66	110.71	110.66
310.00	110.72	110.66	110.827	110.827	110.66	110.66	110.72	110.66
319.13								
320.00	110.79	110.76	110.877	110.877	110.76	110.76	110.79	110.76
320.83								
330.00	110.90	110.87	110.981	110.981	110.87	110.87	110.90	110.87
332.13								

SCORPIO ROAD LONGITUDINAL SECTION

SCALE Hor. 1:500
Vert 1:50

AMENDMENTS	DATE	REMARKS	CHECKED	SCALE	AS SHOWN	DATUM	AHD	DATE	SEPT. 19	SHEET	11 OF 20	D
D	18.05.2020	SCHOOL CROSSING AND HD'S AMENDED	MELWAY REF. 742-J-7									
C	28.04.2020	ALTIS AMENDED TO SCORPIO	SURVEY B. P. D.									
B	23.04.2020	PASSIVE IRRIGATION AMENDED	DESIGN RK									
A	22.04.2020	CONSTRUCTION ISSUE	DRAWN RK									



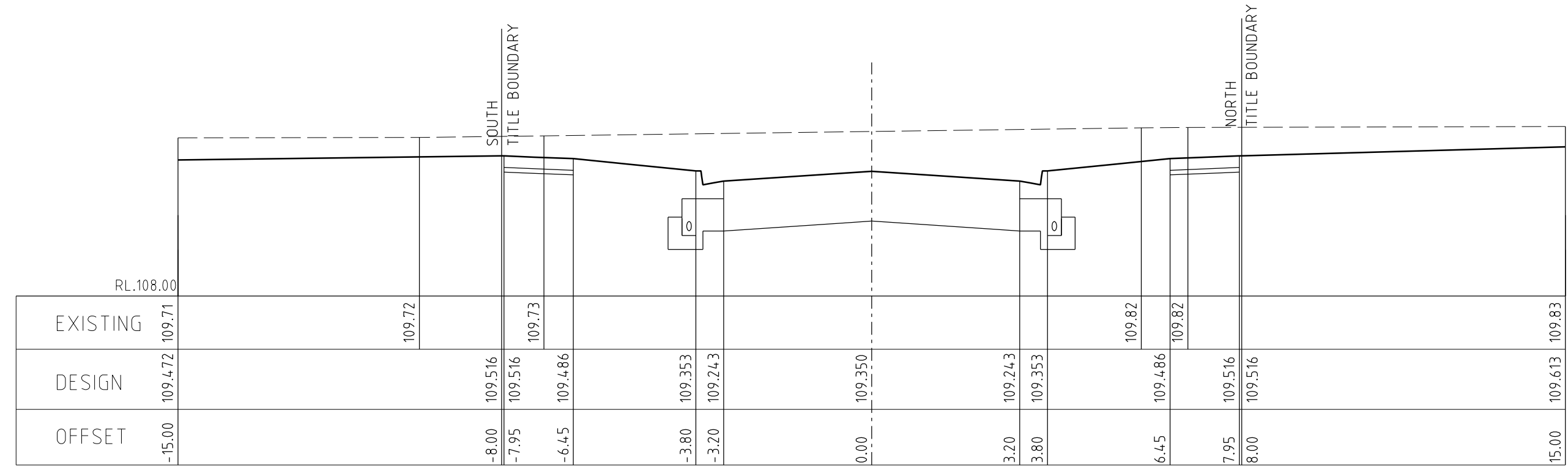
breese pitt dixon pty. ltd.
land surveyors
civil engineers

**OPALIA ESTATE
STAGE 4**

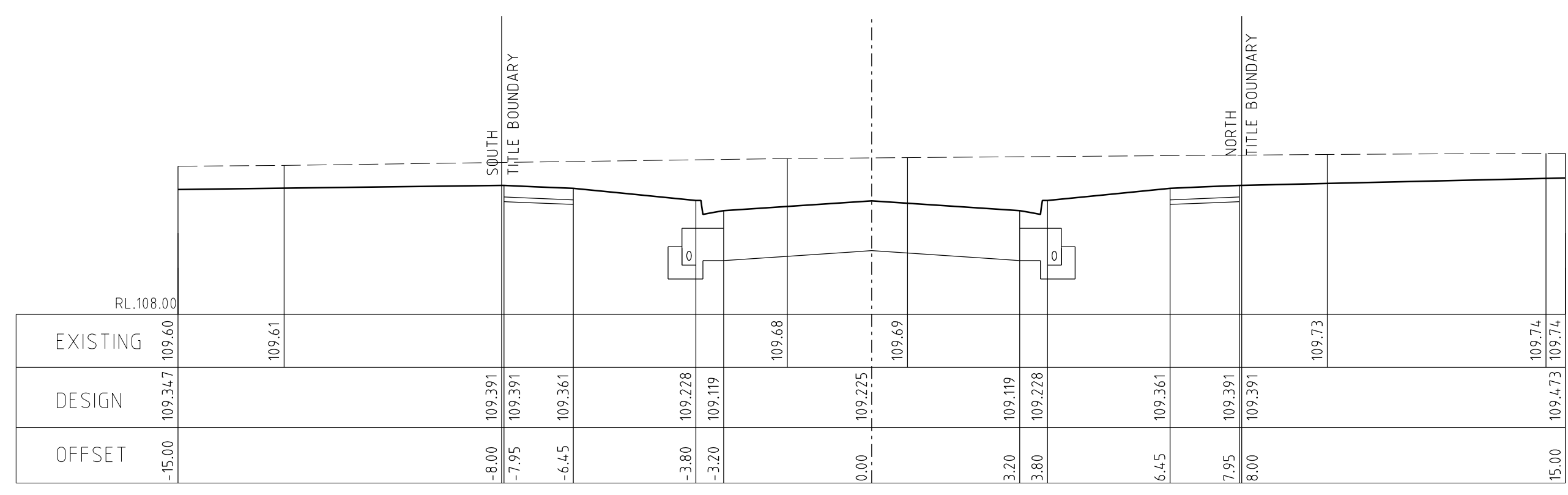
SCORPIO ROAD LONGITUDINAL SECTION

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

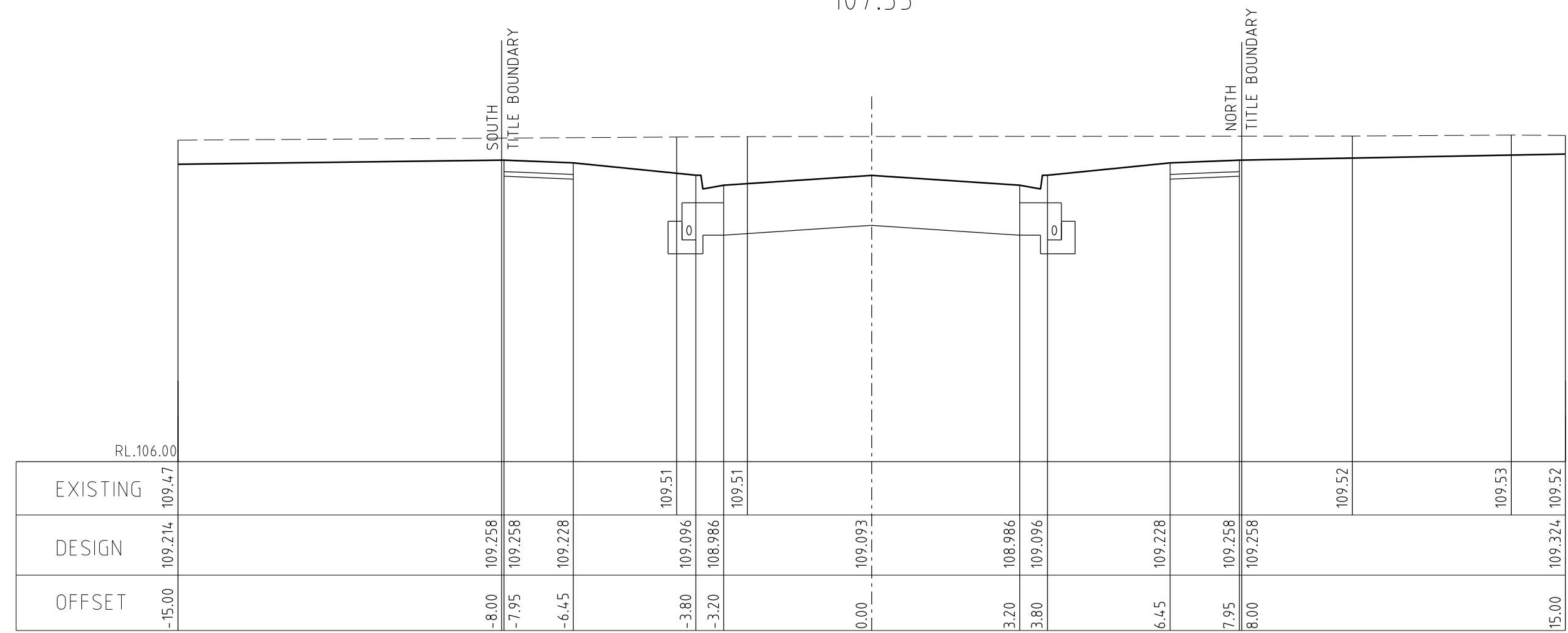
MUNICIPALITY	MELTON
REFERENCE	6751 E/4



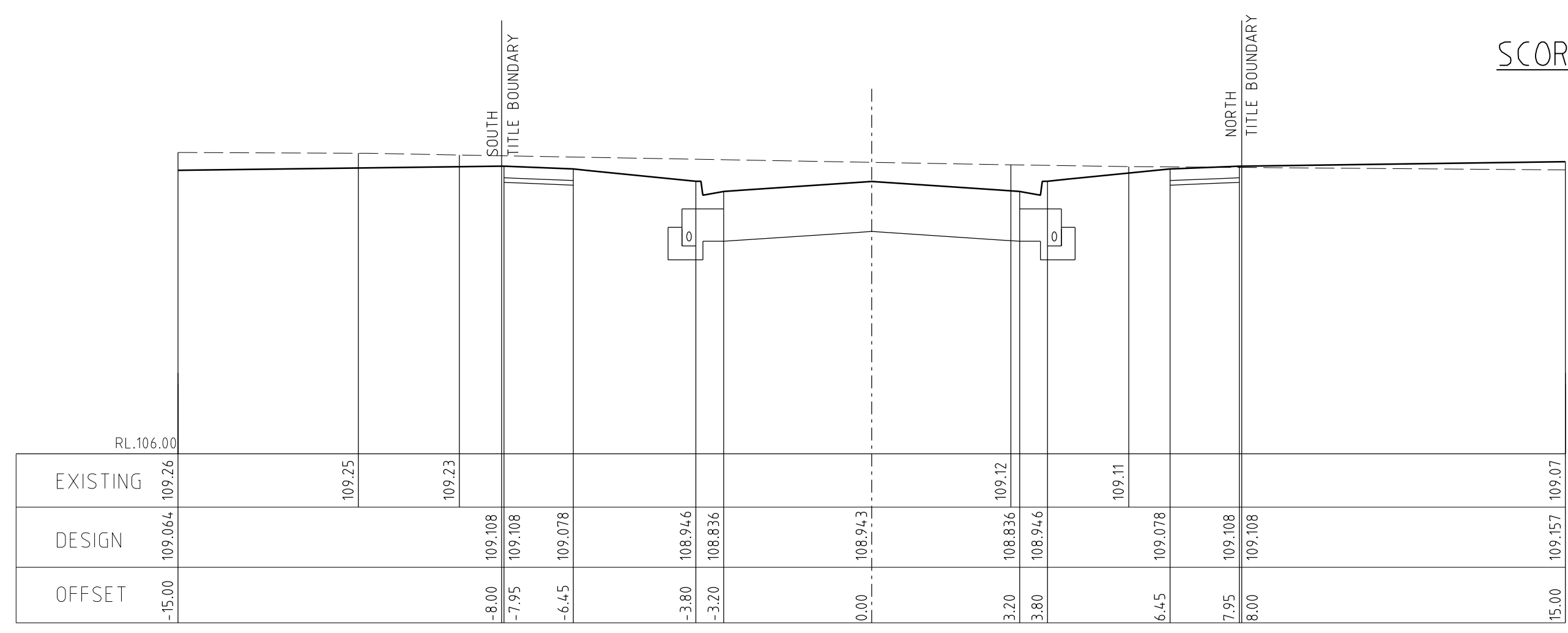
132.35



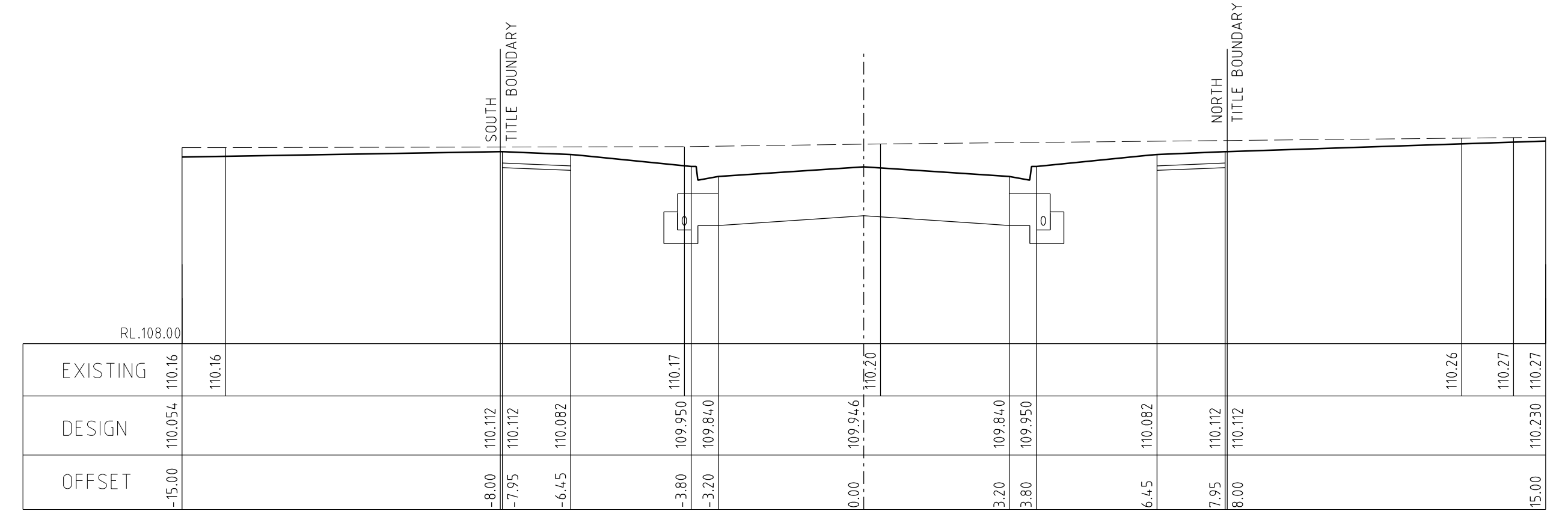
107.35



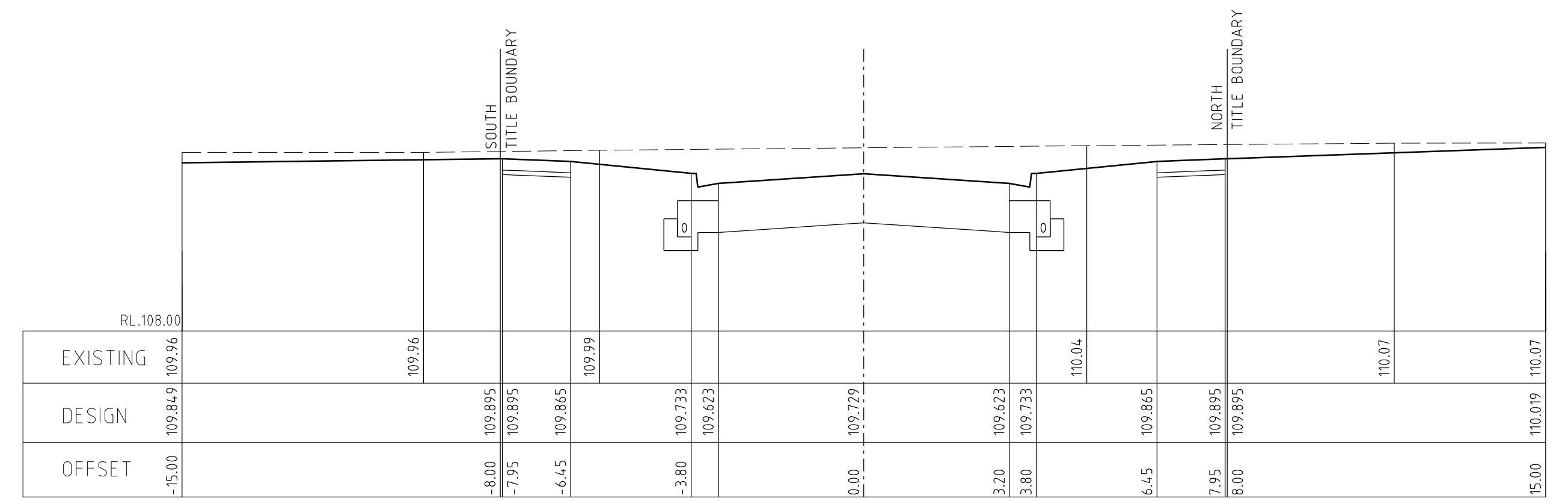
80.85



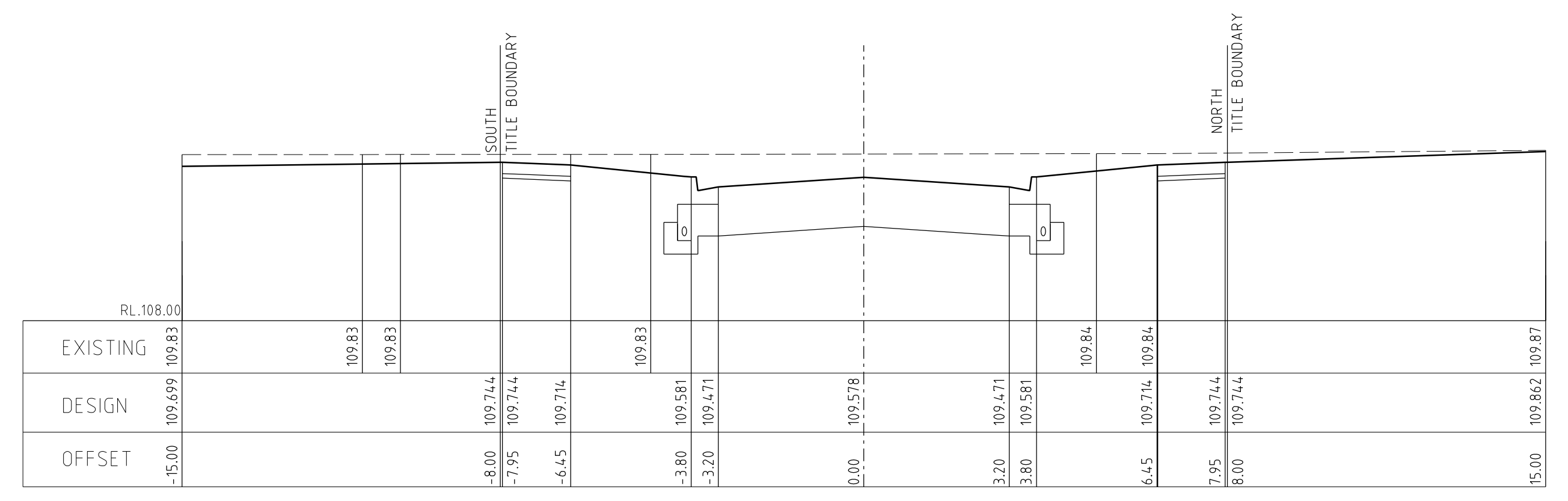
50.85



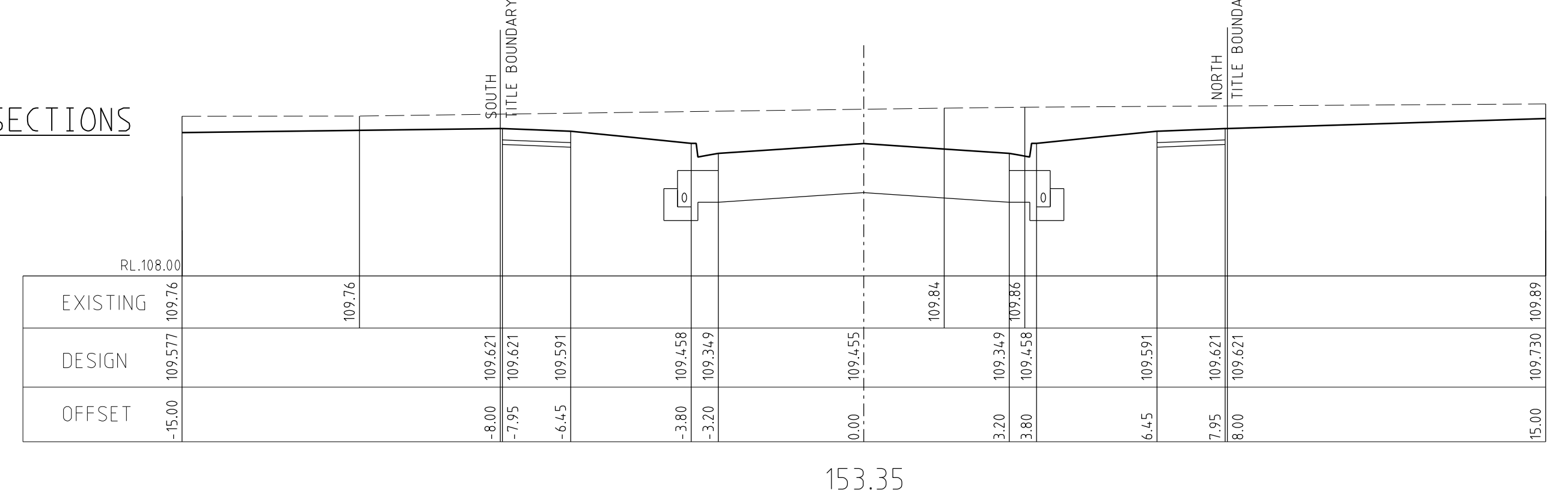
230.85



205.85



177.85

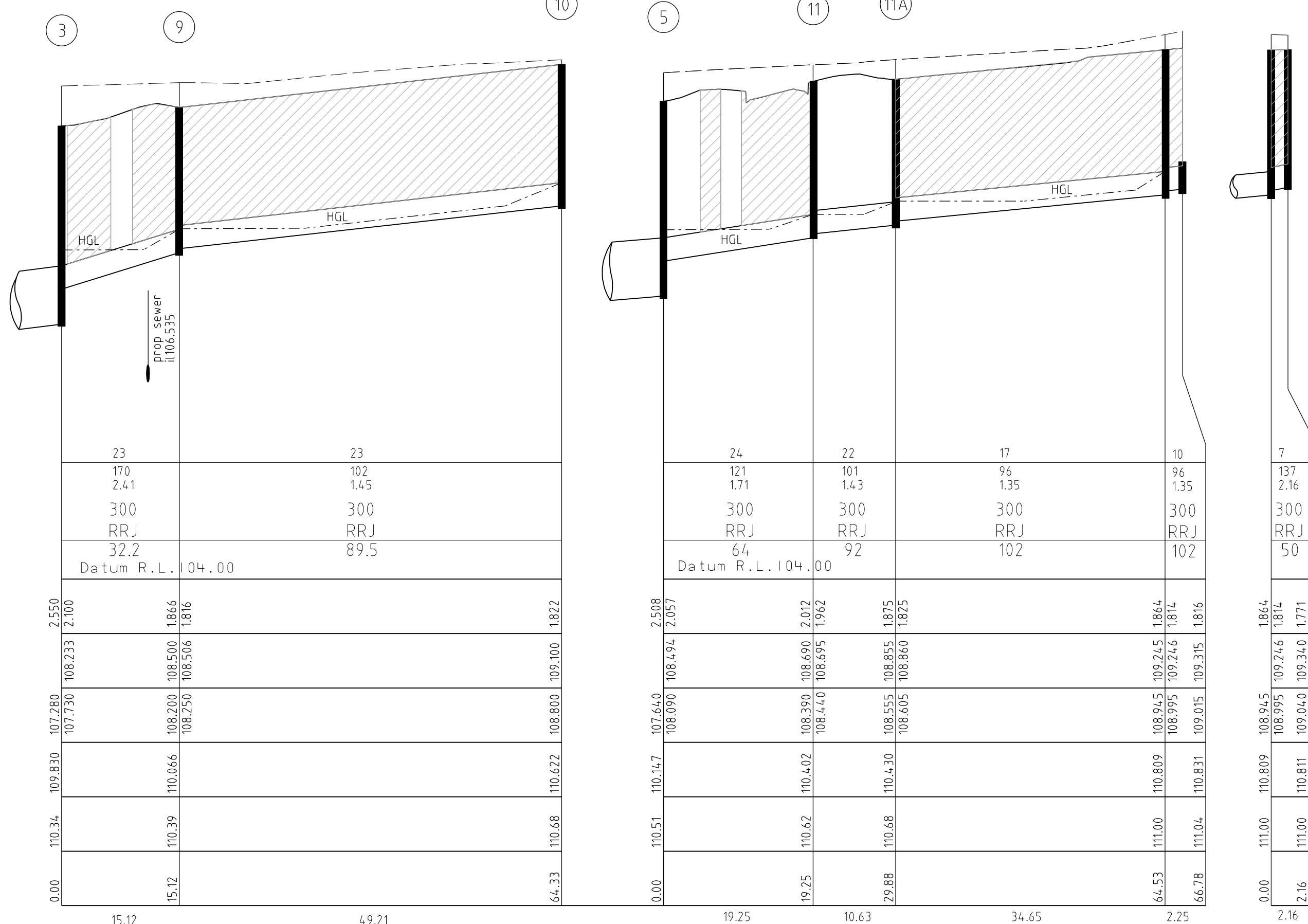
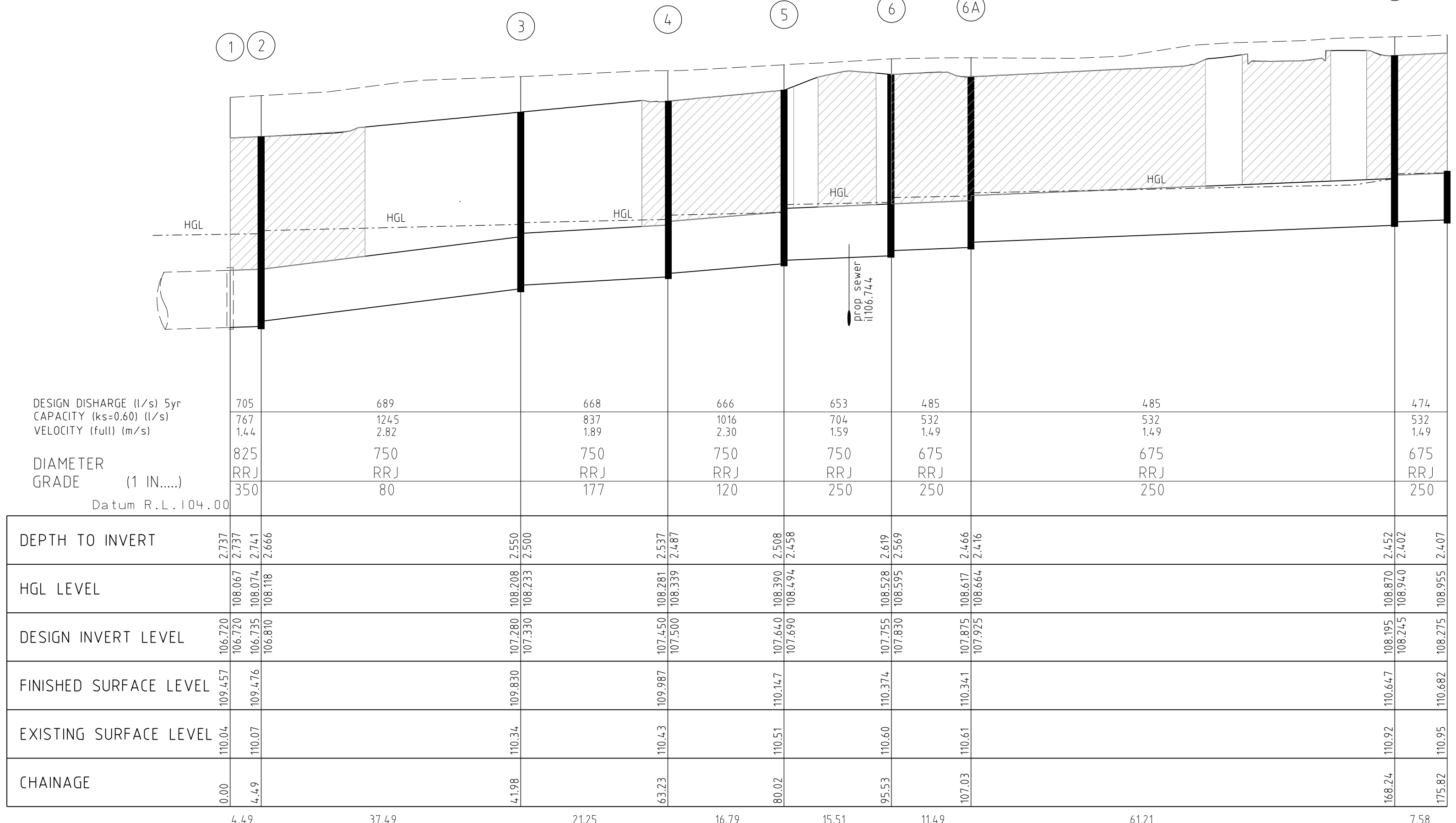
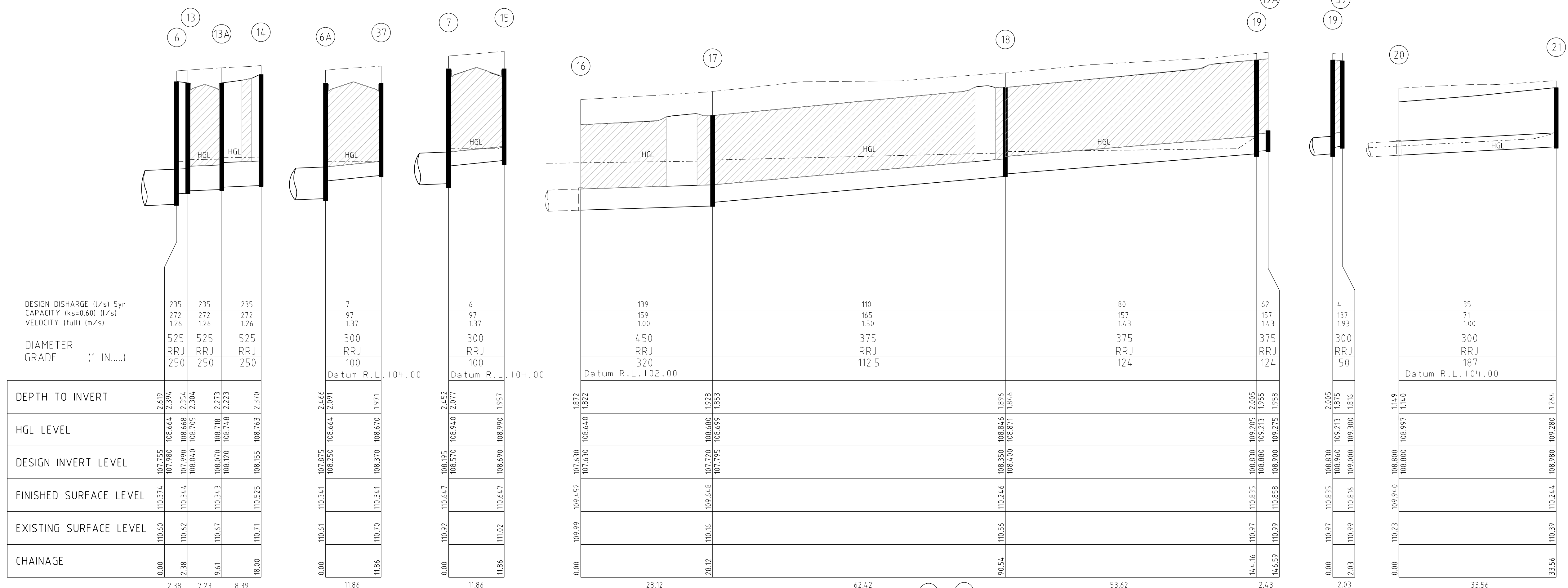


153.35

SCORPIO ROAD CROSS SECTIONS

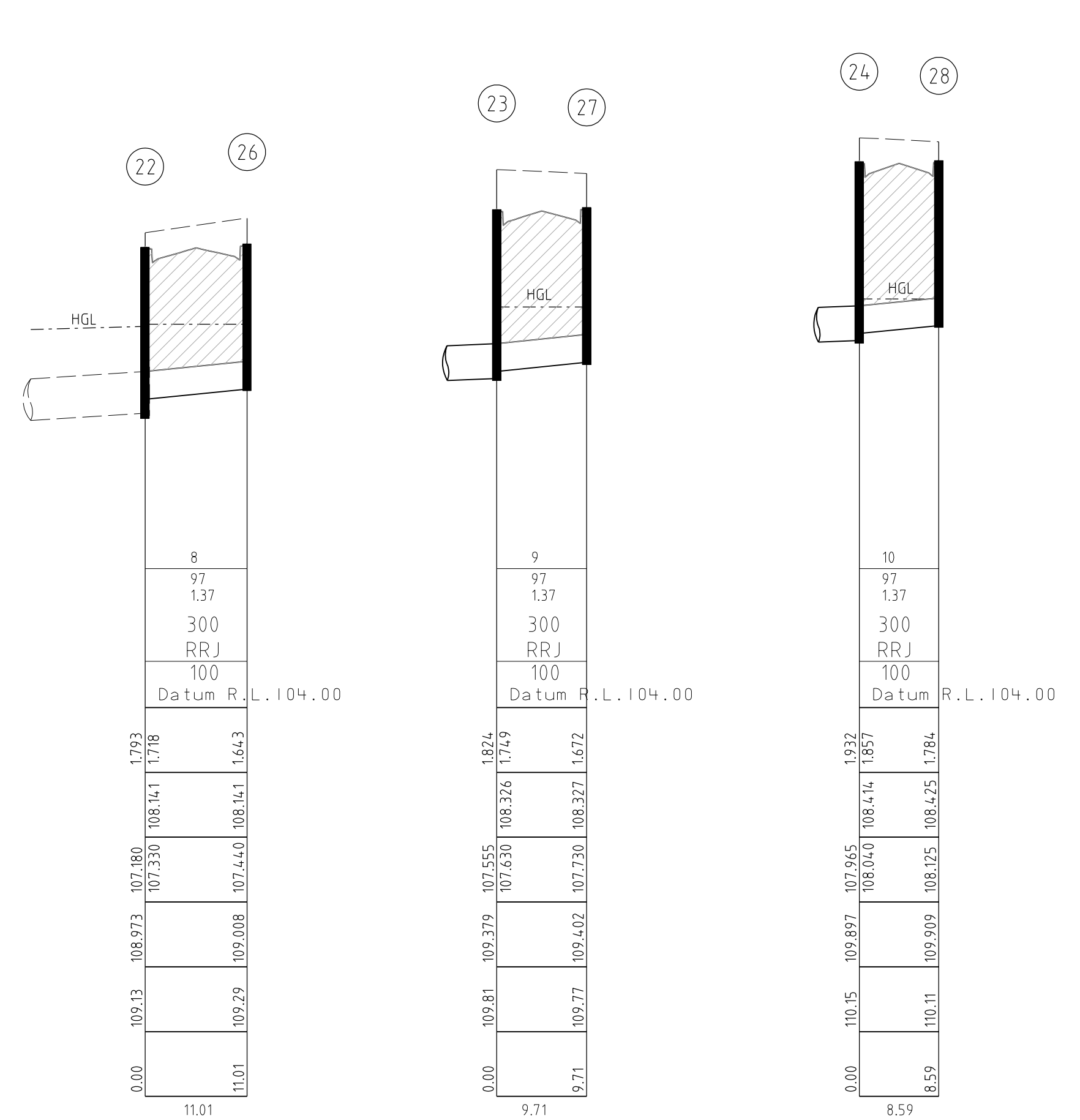
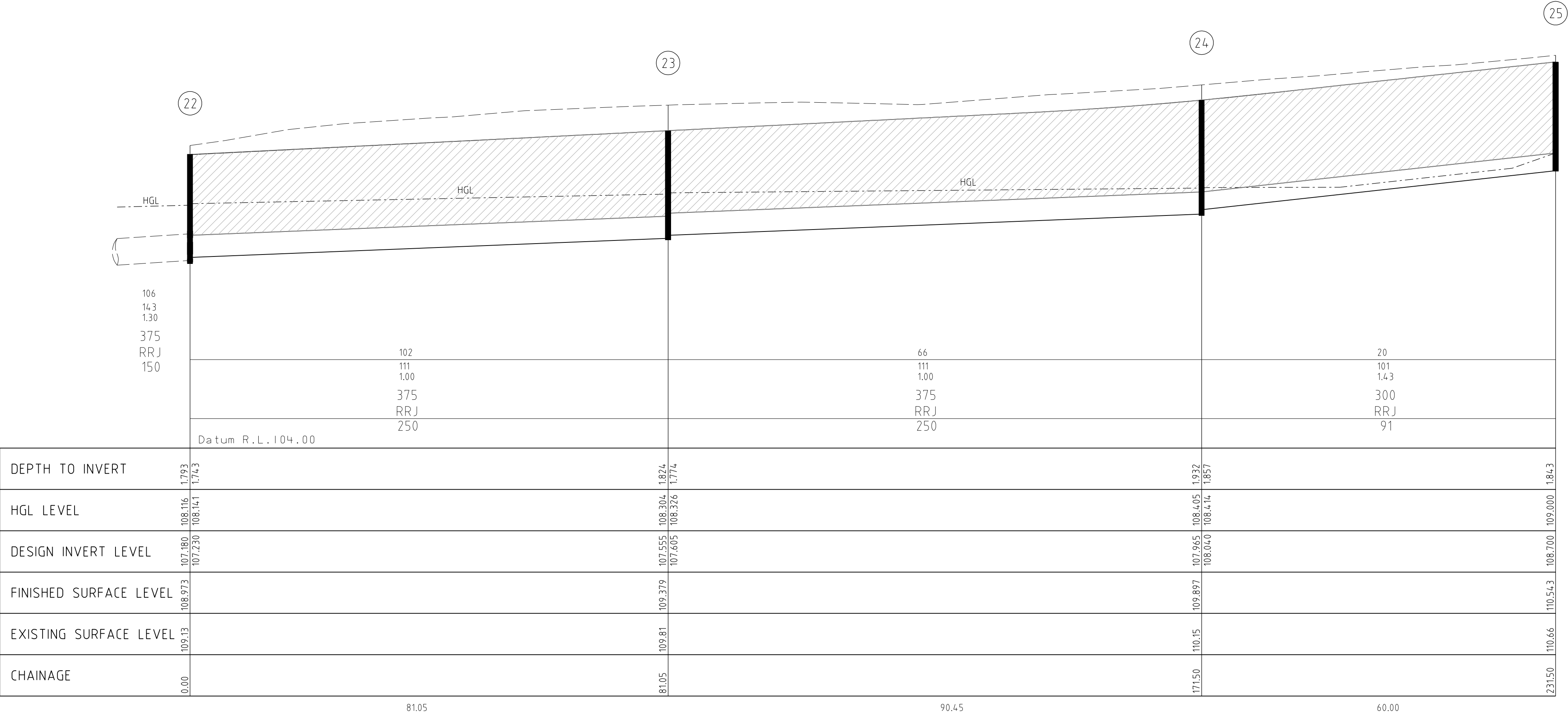
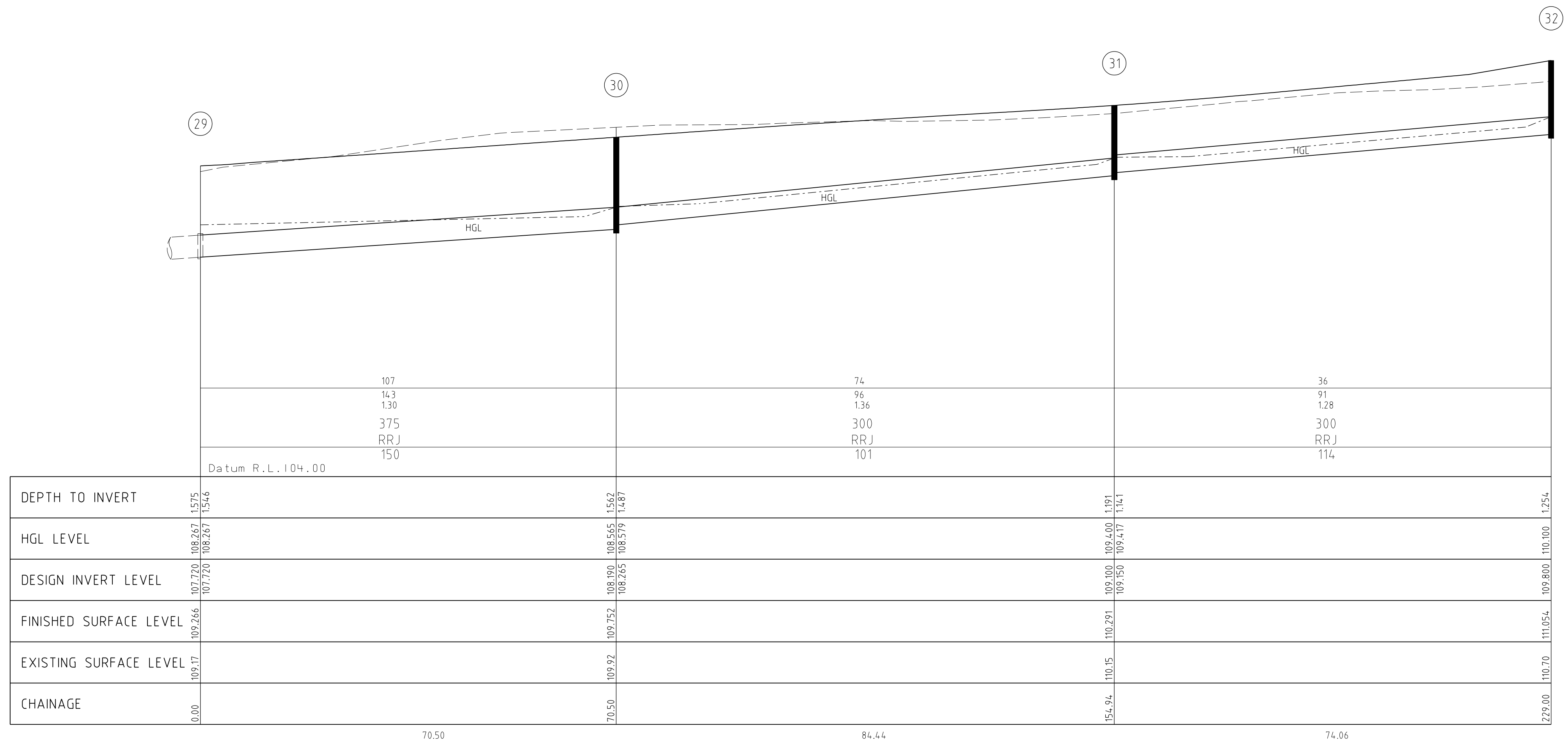
SCALE Hor. 1:100
Vert 1:50

AMENDMENTS	D	18.05.2020	SCHOOL CROSSING AND HD'S AMENDED	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	MUNICIPALITY MELTON					
	C	28.04.2020	ALTIS AMENDED TO SCORPIO	SURVEY	B.P.D.				OPALIA ESTATE STAGE 4 SCORPIO ROAD CROSS SECTIONS	REFERENCE 6751 E/4			
	B	23.04.2020	PASSIVE IRRIGATION AMENDED	DESIGN	RK								
	A	22.04.2020	CONSTRUCTION ISSUE	DRAWN	RK								
VER	DATE	REMARKS		CHECKED	SCALE	AS SHOWN	DATUM	AHD	DATE	SEPT. 19	SHEET	12 OF 20	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 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310
OPALIA ESTATE STAGE 4 STORMWATER DRAINAGE LONG SECTIONS		MUNICIPALITY MELTON
AMENDMENTS D 18.05.2020 SCHOOL CROSSING AND HD'S AMENDED C 28.04.2020 ALTIS AMENDED TO SCORPIO B 23.04.2020 PASSIVE IRRIGATION AMENDED A 22.04.2020 CONSTRUCTION ISSUE		REFERENCE 6751 E/4
VER DATE REMARKS	CHECKED SCALE AS SHOWN DATUM AHD DATE SEPT. 19 SHEET 15 OF 20	MELWAY REF. 342-J-7 SURVEY B.P.D. DESIGN RK DRAWN RK



STORMWATER DRAINAGE LONGITUDINAL SECTIONS

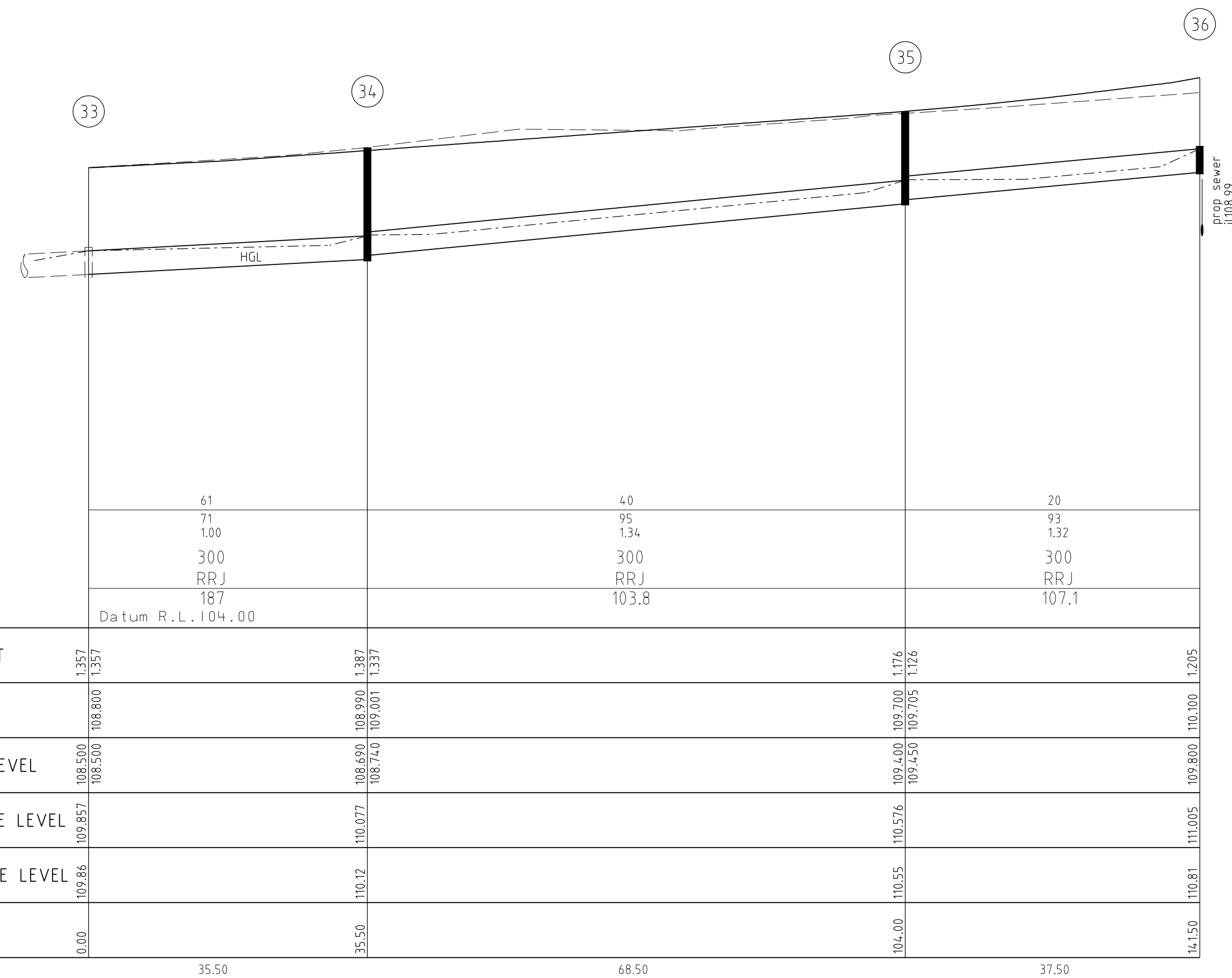
SCALE Hor. 1:500
Vert 1:50

RRJ - RUBBER RING JOINTED

▨ DENOTES CRUSHED ROCK BACKFILL

AMENDMENTS	D	18.05.2020	SCHOOL CROSSING AND HD'S AMENDED	MELWAY REF.	342-J-7
	C	28.04.2020	ALTIS AMENDED TO SCORPIO	SURVEY	B.P.D.
	B	23.04.2020	PASSIVE IRRIGATION AMENDED	DESIGN	RK
	A	22.04.2020	CONSTRUCTION ISSUE	DRAWN	RK
VER.	DATE	REMARKS		CHECKED	
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 4 STORMWATER DRAINAGE LONG SECTIONS				MUNICIPALITY MELTON REFERENCE 6751 E/4	
SCALE	AS SHOWN	DATUM	AHD	DATE	SEPT. 19
				SHEET	16 OF 20

D:\hpd - 6751\design\stage 4\2020-04-28\4-es-des.dgn



STORMWATER DRAINAGE LONGITUDINAL SECTIONS

SCALE Hor. 1:500
Ver 1:50

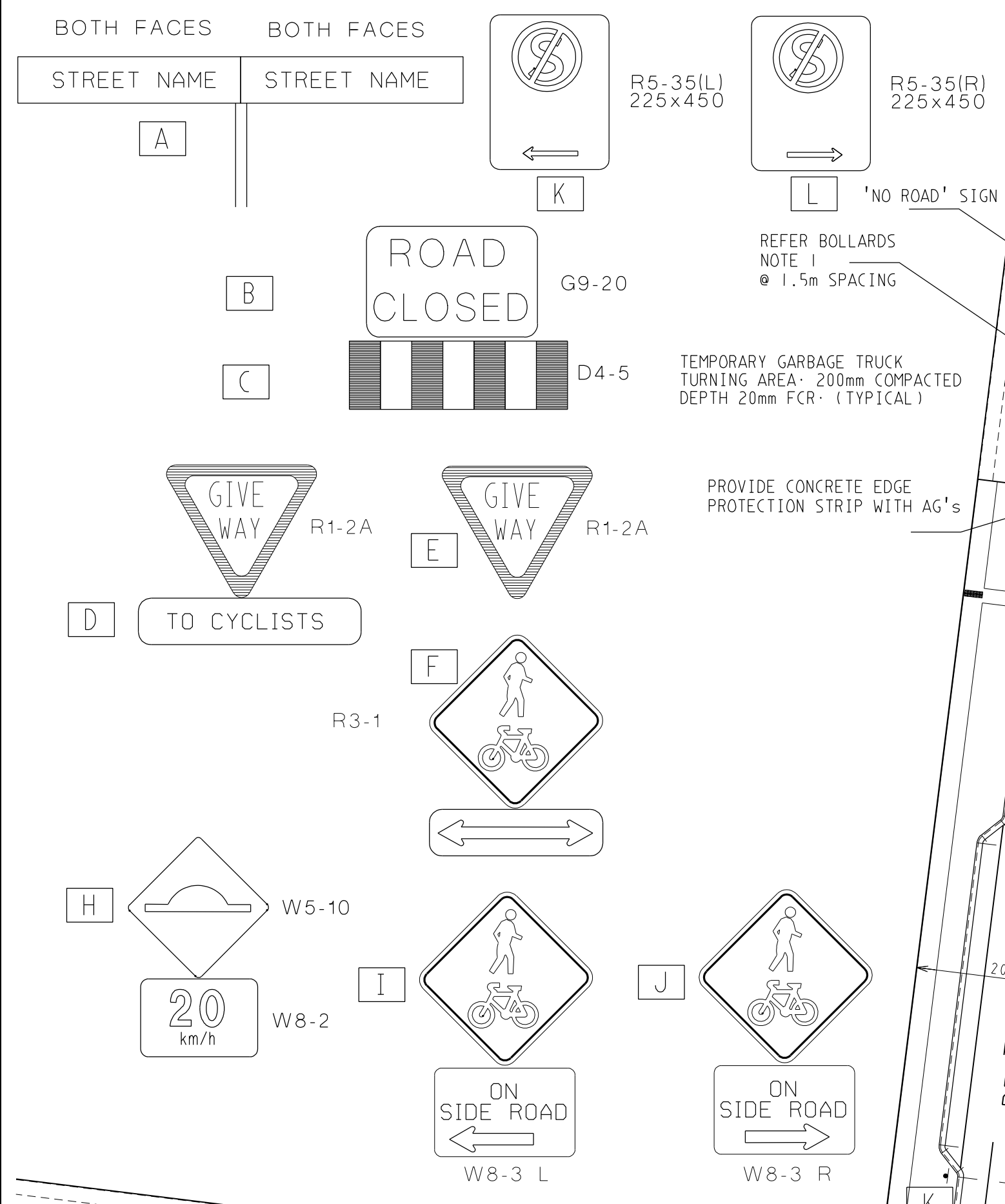
RRJ - RUBBER RING JOINTED

▨ DENOTES CRUSHED ROCK BACKFILL

PIT SCHEDULE

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	--	825	106.720	Ex 825	106.720	109.457	2.737	REMOVE TEMPORARY SEAL AND CONNECT
2	G.S.E.P.	S 900x600 H 900x1000	750	106.810	825	106.735	109.476	2.741	EDCM 601/605 HAUNCH PIT EDCM 607
3	J.P.	S 900x600 H 900x1000	750	107.330	750	107.280	109.830	2.550	EDCM 605 HAUNCH PIT EDCM 607
4	G.S.E.P.	S 900x600 H 900x1000	750	107.500	750	107.450	109.987	2.537	EDCM 601/605 HAUNCH PIT EDCM 607
5	J.P.	S 900x600 H 1000x1000	750	107.690	750	107.640	110.147	2.508	EDCM 605 HAUNCH PIT BOTH WAYS REFER VICROADS STANDARD DRAWING SD 1023
6	G.S.E.P.	S 900x600 H 1000x1000	675	107.830	750	107.755	110.374	2.619	EDCM 601/605 HAUNCH PIT BOTH WAYS REFER VICROADS STANDARD DRAWING SD 1023
6A	G.S.E.P.	S 900x600 H 1000x1000	675	107.925	750	107.875	110.341	2.466	EDCM 601/605 HAUNCH PIT BOTH WAYS REFER VICROADS STANDARD DRAWING SD 1023
7	G.S.E.P.	S 900x600 H 900x1000	675	108.245	675	108.195	110.647	2.452	EDCM 601/605 HAUNCH PIT EDCM 607
8	END PIPE	--	-	-	675	108.275	110.682	2.407	SEAL END OF PIPE FOR FUTURE CONNECTION
9	G.J.P.	900x600	300	108.250	300	108.200	110.066	1.866	EDCM 605, FIT CLASS 'D' GATH GRATE OR SIMILAR
10	G.J.P.	900x600	-	-	300	108.800	110.622	1.822	EDCM 605, FIT CLASS 'D' GATH GRATE OR SIMILAR
11	G.S.E.P.	900x600	300	108.440	300	108.390	110.402	2.012	EDCM 601/605
11A	G.S.E.P.	900x600	300	108.605	300	108.555	110.430	1.875	EDCM 601/605
12	J.P.	900x600	300	108.995	300	108.945	110.809	1.964	EDCM 605
12A	END PIPE	--	-	-	300	109.015	110.831	1.816	SEAL END OF PIPE FOR FUTURE CONNECTION
13	G.S.E.P.	900x600	525	108.040	525	107.990	110.344	2.354	EDCM 601/605
13A	G.S.E.P.	900x600	525	108.120	525	108.070	110.343	2.273	EDCM 601/605
14	J.P.	900x600	-	-	525	108.155	110.525	2.370	EDCM 605
15	G.S.E.P.	900x600	-	-	300	108.690	110.647	1.957	EDCM 601/605
16	Ex END PIPE	--	450	107.630	Ex 450	107.630	109.452	1.872	REMOVE TEMPORARY SEAL AND CONNECT
17	G.S.E.P.	900x600	375	107.795	450	107.720	109.648	1.928	EDCM 601/605
18	G.S.E.P.	900x600	375	108.400	375	108.350	110.246	1.896	EDCM 601/605
19	J.P.	900x600	375	108.880	375	108.830	110.835	2.005	EDCM 605
19A	END PIPE	--	-	-	375	108.900	110.858	1.958	SEAL END OF PIPE FOR FUTURE CONNECTION
20	Ex END PIPE	--	300	108.800	Ex 300	108.800	109.940	1.149	REMOVE TEMPORARY SEAL AND CONNECT
21	J.P.	900x600	-	-	300	108.980	110.244	1.264	EDCM 605
22	G.S.E.P.	900x600	375	107.230	EX 375	107.180	108.973	1.793	EDCM 601/605 CONSTRUCT PIT OVER EXISTING PIPE
23	G.S.E.P.	900x600	375	107.605	375	107.555	109.379	1.824	EDCM 601/605
24	G.S.E.P.	900x600	300	108.040	375	107.965	109.897	1.932	EDCM 601/605
25	J.P.	900x600	-	-	300	108.700	110.543	1.843	EDCM 605
26	G.S.E.P.	900x600	-	-	300	107.440	109.008	1.643	EDCM 601/605
27	G.S.E.P.	900x600	-	-	300	107.730	109.402	1.672	EDCM 601/605
28	G.S.E.P.	900x600	-	-	300	108.125	109.909	1.784	EDCM 601/605
29	Ex END PIPE	--	375	107.720	Ex 375	107.720	109.266	1.575	REMOVE TEMPORARY SEAL AND CONNECT
30	J.P.	900x600	300	108.265	375	108.190	109.752	1.562	EDCM 605
31	J.P.	900x600	300	109.150	300	109.100	110.291	1.191	EDCM 605
32	J.P.	900x600	-	-	300	109.800	111.054	1.254	EDCM 605
33	Ex END PIPE	--	300	108.500	Ex 300	108.500	109.857	1.357	REMOVE TEMPORARY SEAL AND CONNECTION
34	J.P.	900x600	300	108.740	300	108.690	110.077	1.387	EDCM 605
35	J.P.	900x600	300	109.450	300	109.400	110.077	1.176	EDCM 605
36	END PIPE	--	-	-	300	109.800	111.005	1.205	SEAL END OF PIPE FOR FUTURE CONNECTION
37	G.S.E.P.	900x600	-	-	300	108.370	110.341	1.971	EDCM 601/605

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 4 STORMWATER DRAINAGE LONG SECTIONS		MUNICIPALITY MELTON	
AMENDMENTS D 18.05.2020 SCHOOL CROSSING AND HD'S AMENDED C 28.04.2020 ALTIS AMENDED TO SCORPIO B 23.04.2020 PASSIVE IRRIGATION AMENDED A 22.04.2020 CONSTRUCTION ISSUE		REFERENCE 6751 E/4	
VER DATE REMARKS		CHECKED SCALE AS SHOWN DATUM AHD DATE SEPT. 19 SHEET 17 OF 20	



- 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 DEGADUR OR PLASTELINE) 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

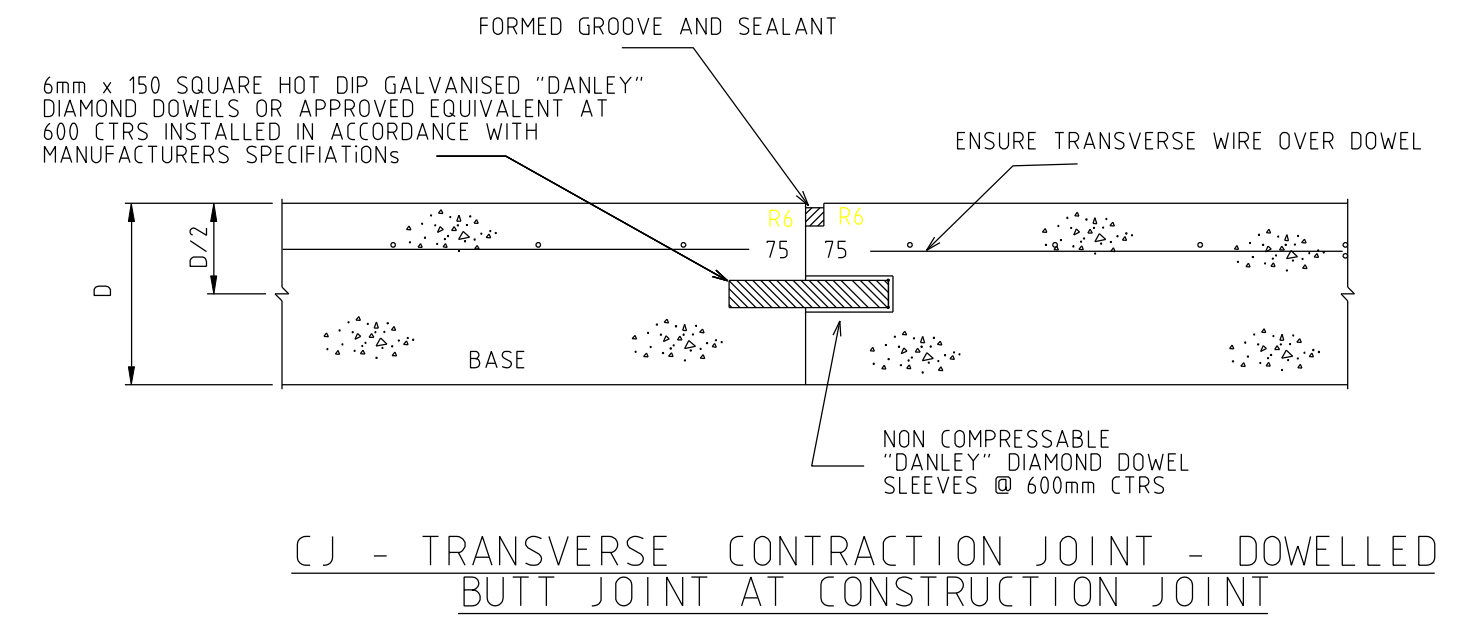
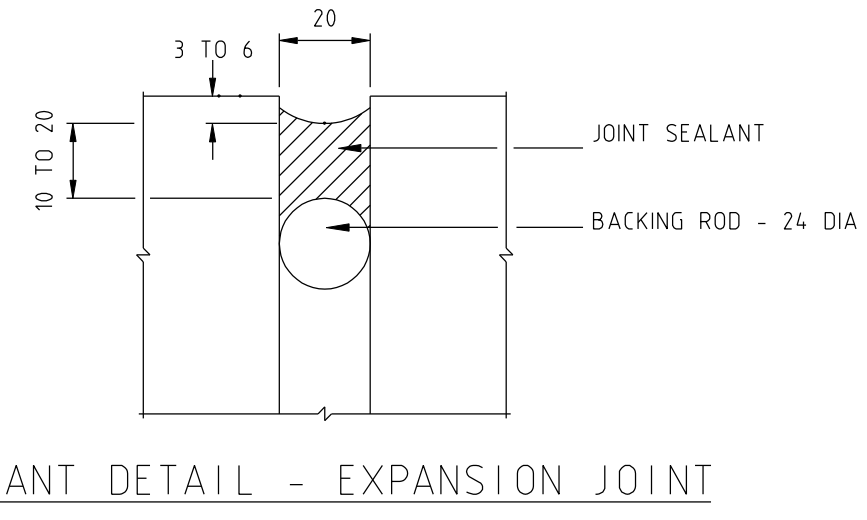
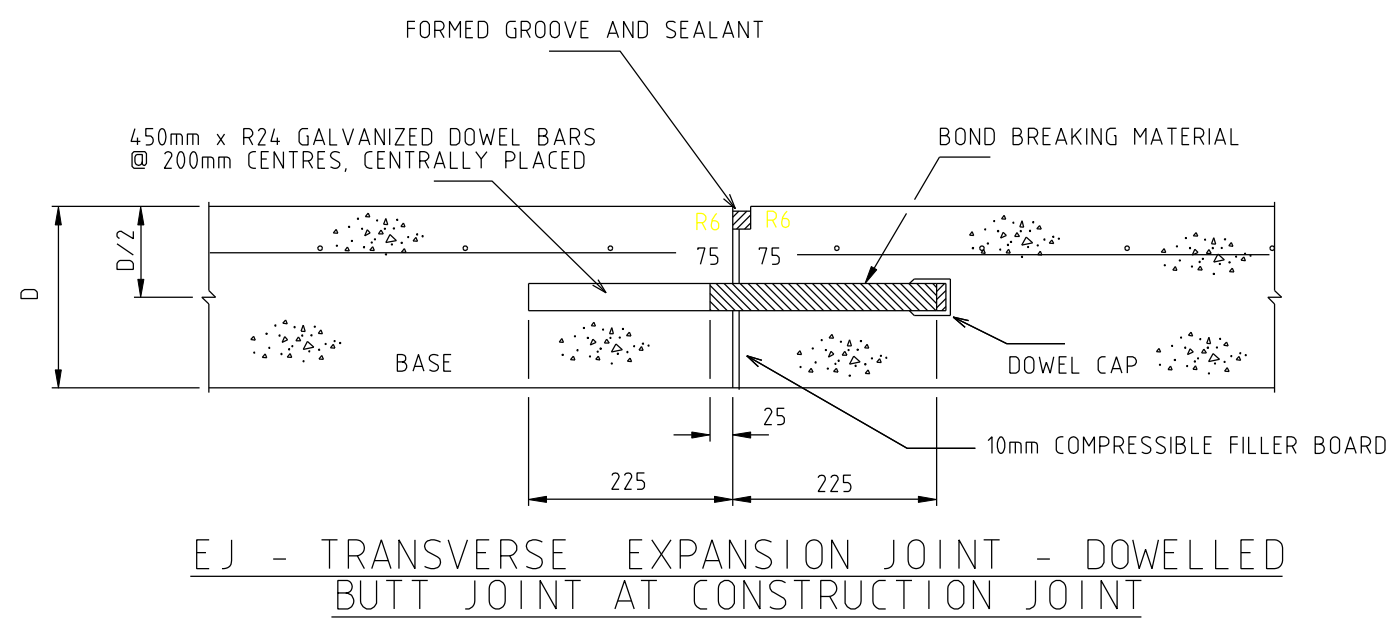
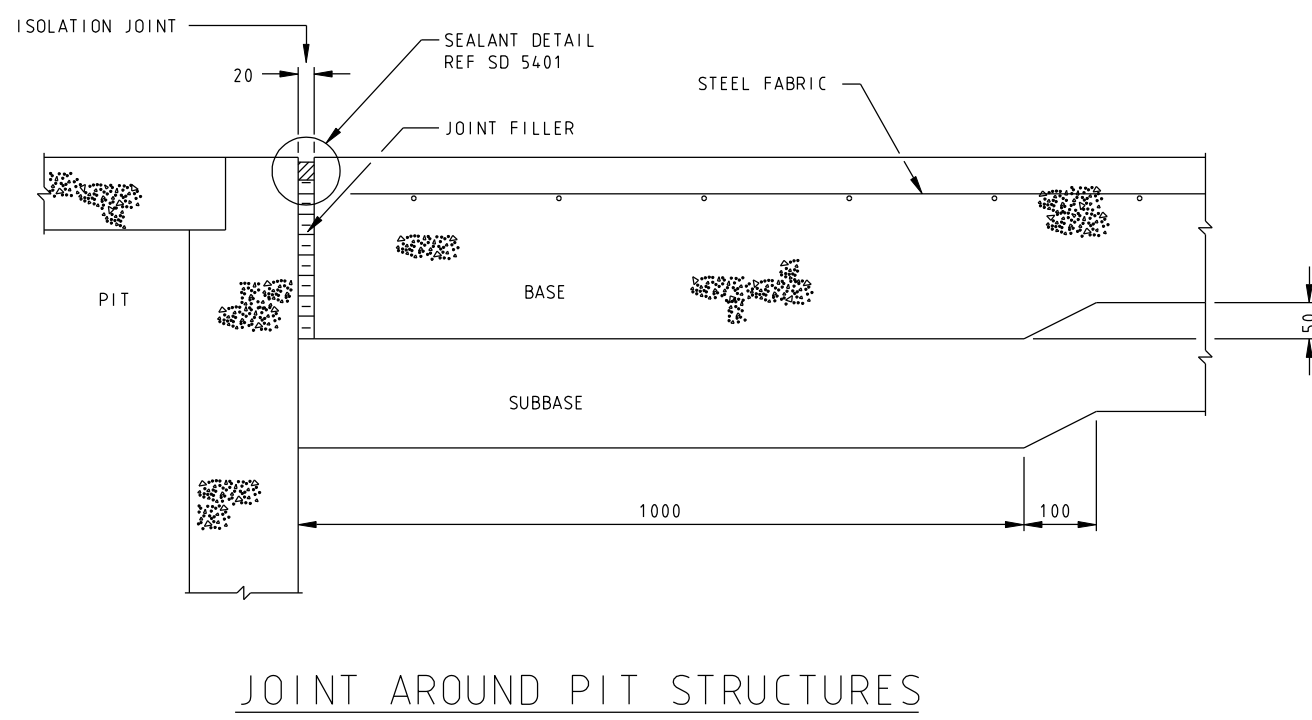
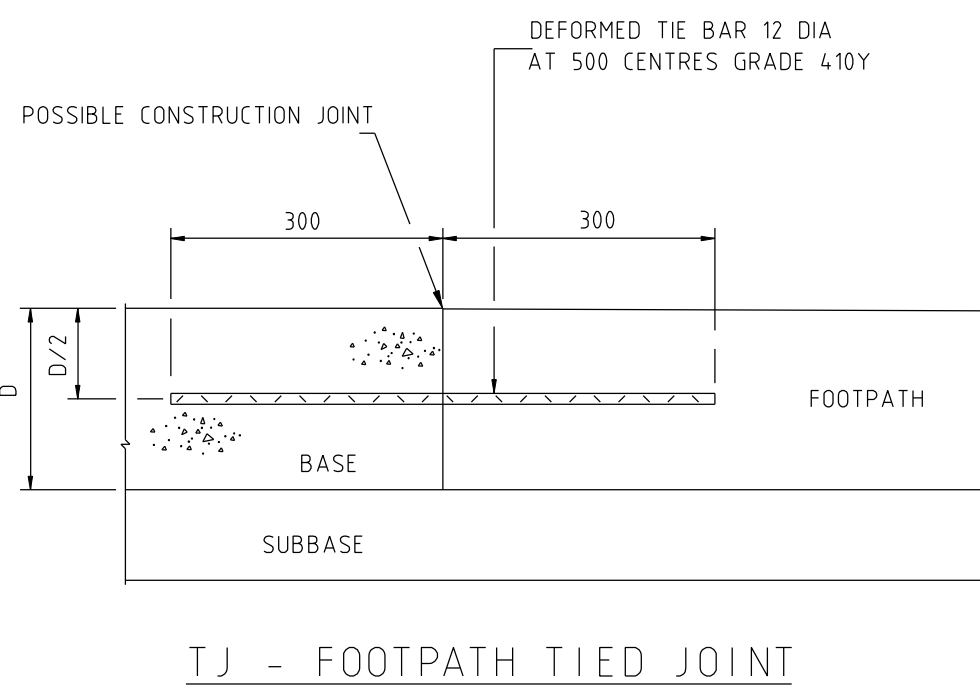
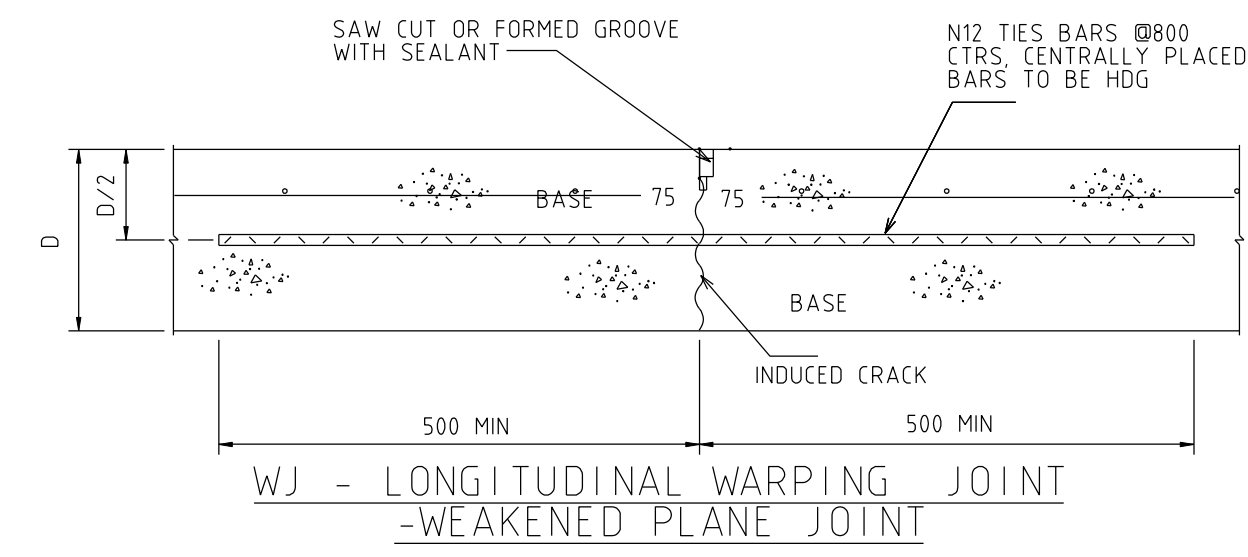
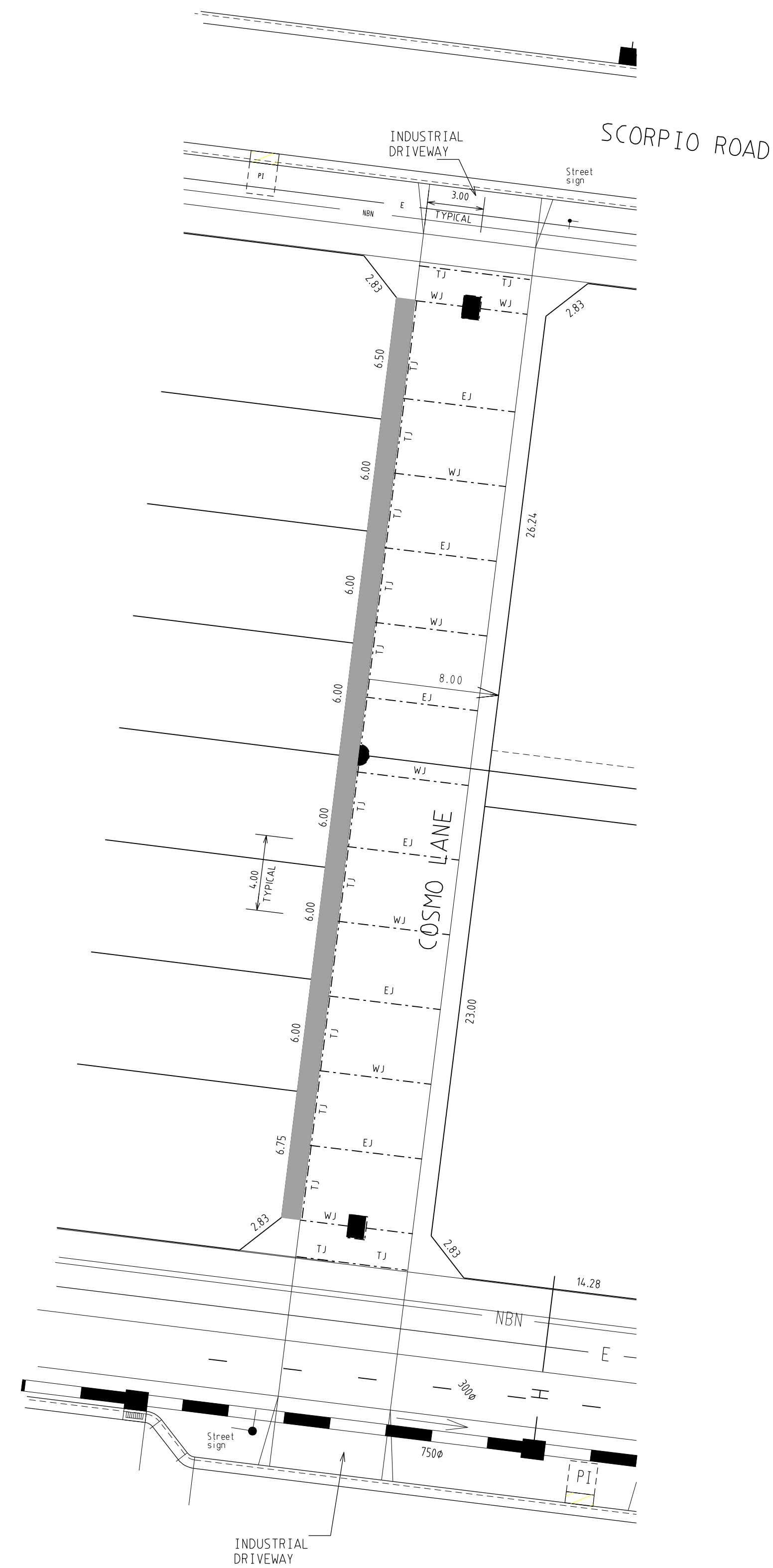
SIGN SCHEDULE

SIGN	DESCRIPTION
A	STREET NAME SIGN (BOTH FACES)
B	"ROAD CLOSED" (G9-20)
C	OBSTRUCTION MARKER (D4-5)
D	GIVE WAY TO CYCLISTS PEDESTRIANS (R1-2A/R3-1+ CYCLISTS)
E	GIVE WAY (R1-2A)
F	PEDESTRIANS AND CYCLISTS BOTH WAYS
G	GIVE WAY PEDESTRIANS (R3-1)
H	SPEED HUMP (W5-10) 20km/h (W8-2)
I	PEDESTRIANS AND CYCLISTS ON SIDE ROAD LEFT
J	PEDESTRIANS AND CYCLISTS ON SIDE ROAD RIGHT
K	NO STANDING LEFT (R5-35L)
L	NO STANDING RIGHT (R5-35R)

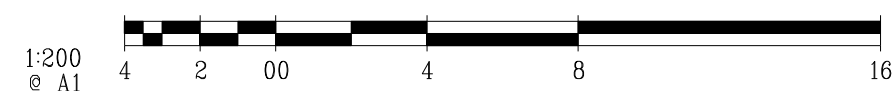
SIGNAGE AND LINE MARKING PLAN

CONTRASTING SURFACE COLOUR ON PATH APPROACHES AND ACROSS PATHWAY ON CROSS ROAD TO REINFORCE CYCLIST PRIORITY COLOUR G13 EMERALD GREEN (VICROADS)

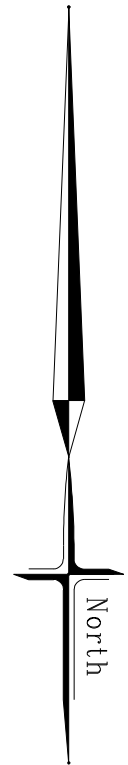
AMENDMENTS	E	7.07.2020	DRIVEWAY TO LOT 428 AMENDED	MELWAY REF. 342-J-7 SURVEY B.P.D. DESIGN RK DRAWN RK	breese pitt dixon pty. ltd. land surveyors civil engineers 1/19 coto street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	MUNICIPALITY MELTON REFERENCE 6751 E/4
	D	18.05.2020	SCHOOL CROSSING AMENDED, CONDUITS AMENDED			
	C	28.04.2020	ALTI'S AMENDED TO SCORPIO			
	B	23.04.2020	PASSIVE IRRIGATION AMENDED			
A	22.04.2020	CONSTRUCTION ISSUE				
VER.	DATE	REMARKS	CHECKED	SCALE AS SHOWN	DATUM AHD	DATE SEPT. 19
						SHEET 18 OF 20



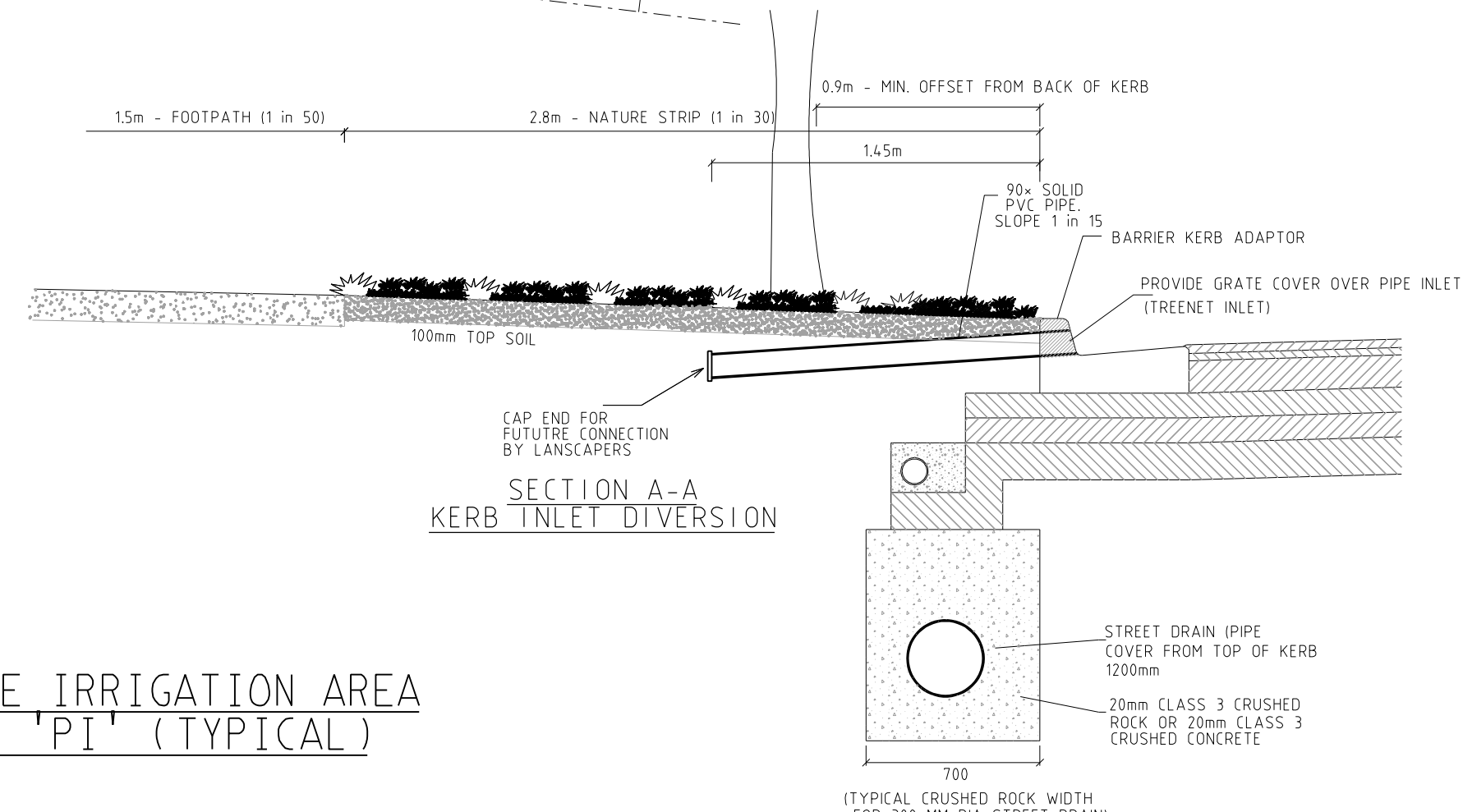
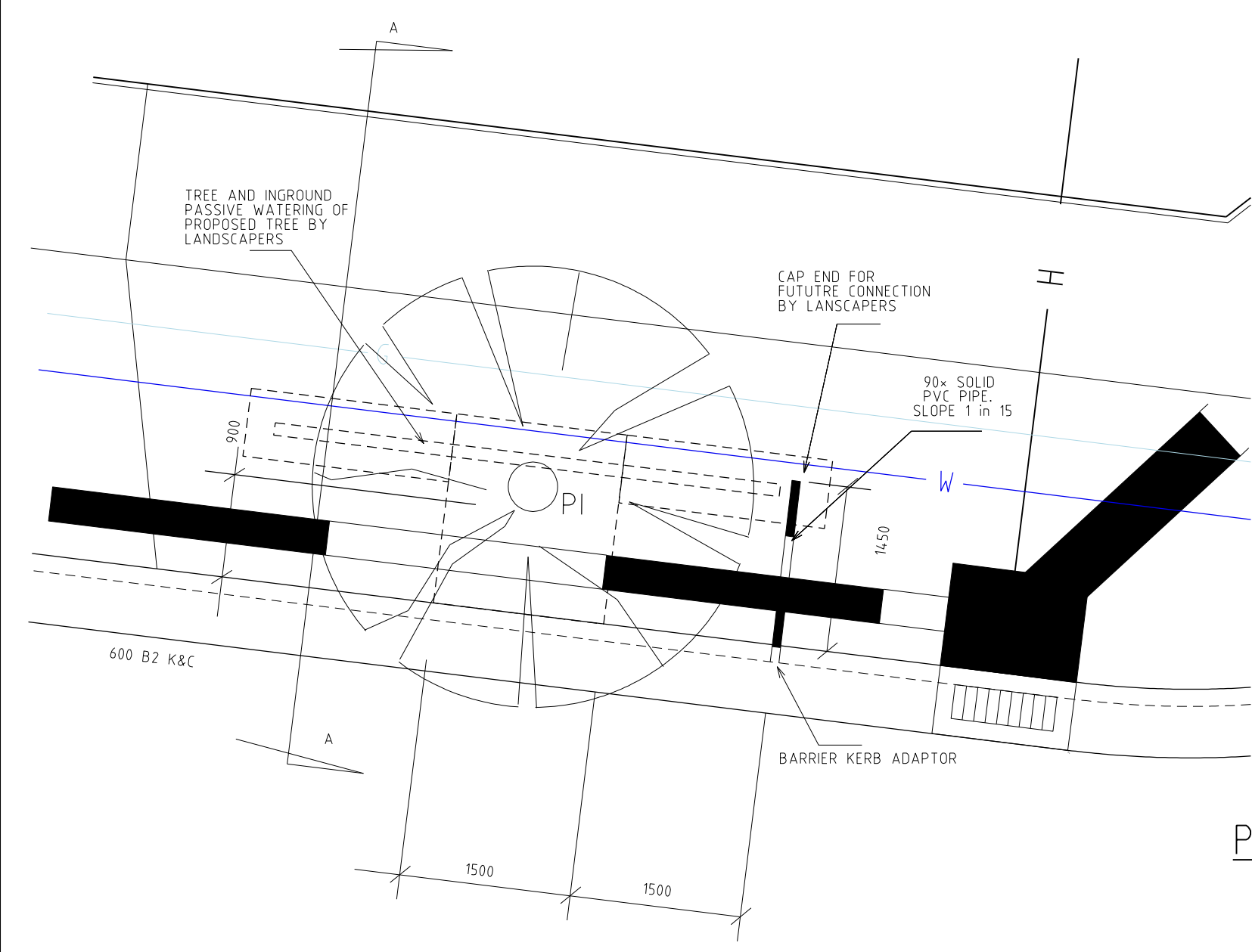
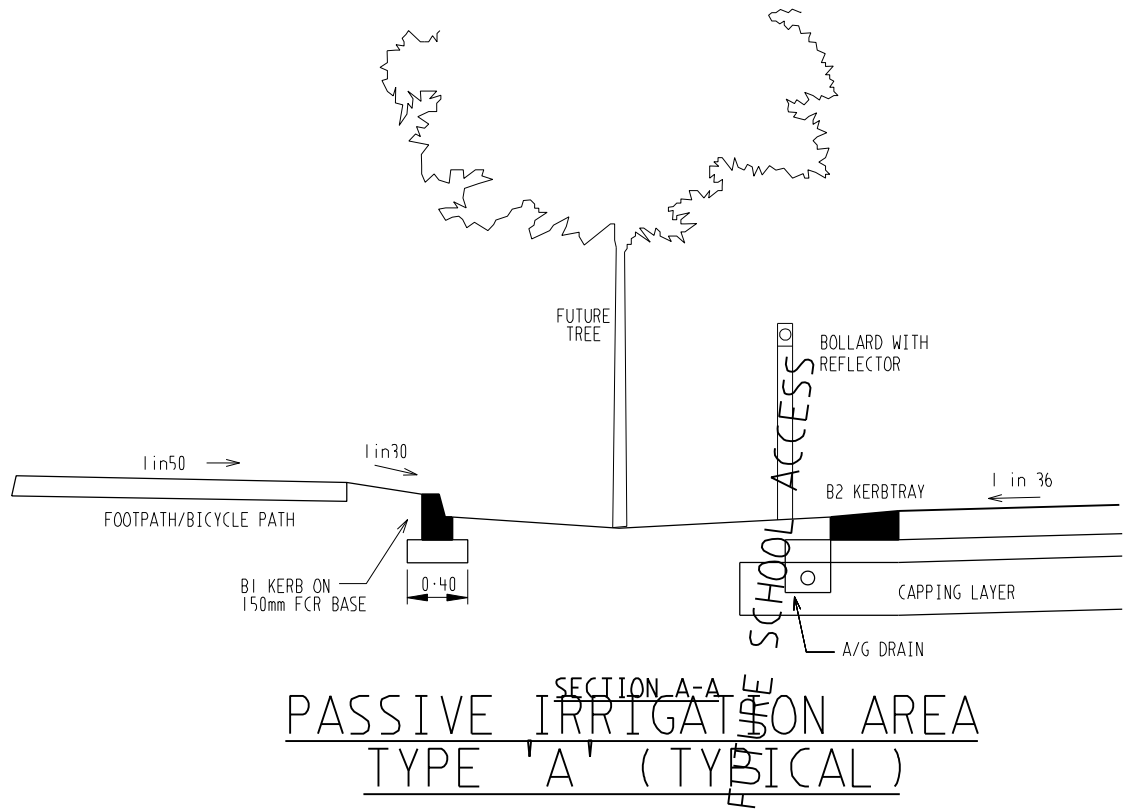
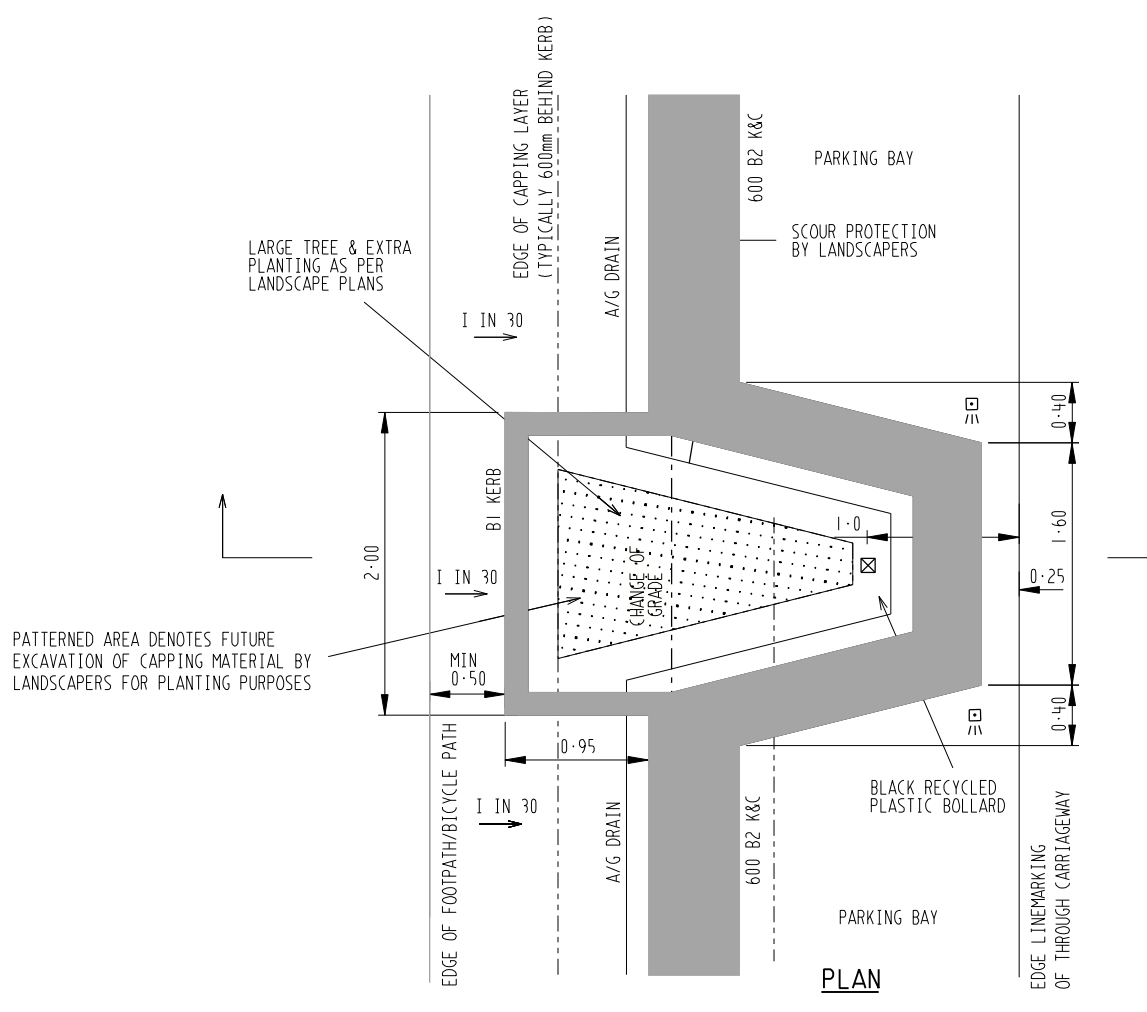
PAVEMENT JOINT DETAILS



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



		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 18.05.2020 SCHOOL CROSSING AND HD'S AMENDED C 28.04.2020 ALTIS AMENDED TO SCORPIO B 23.04.2020 PASSIVE IRRIGATION AMENDED A 22.04.2020 CONSTRUCTION ISSUE		MELWAY REF. 342-J-7 SURVEY B.P.D. DESIGN RK DRAWN RK		OPALIA ESTATE STAGE 4 COSMO LANE PAVEMENT JOINT DETAILS	
VER	DATE	REMARKS	CHECKED	SCALE AS SHOWN	DATUM AHD
					DATE SEPT. 19
				SHEET 19 OF 20	MUNICIPALITY MELTON
				REFERENCE 6751 E/4	



PASSIVE IRRIGATION AREA TYPE 'PI' (TYPICAL)

AMENDMENTS	DATE	REMARKS	CHECKED	SCALE	DATUM	AHD	DATE	SHEET	OF	TOTAL
E	7.07.2020	DRIVEWAY AND PI TO LOT 428 AMENDED		AS SHOWN	AHD		SEPT. 19	20	OF	20
D	18.05.2020	SCHOOL CROSSING AMENDED, CONDUITS AMENDED								
C	28.04.2020	ALTIS AMENDED TO SCORPIO								
B	23.04.2020	PASSIVE IRRIGATION AMENDED								
A	22.04.2020	CONSTRUCTION ISSUE								

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	MUNICIPALITY MELTON REFERENCE 6751 E/4
---	--	---