

NOTES

1. 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.
2. COUNCIL TO BE NOTIFIED TWO (2) CLEAR DAYS PRIOR TO COMMENCEMENT OF WORKS.
3. DRAINAGE AND PITS TO BE SET OUT FROM OFFSETS SHOWN RATHER THAN FROM CENTRELINE PIPE CHAINAGES.
4. 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.(U). PIPES LAYED ON A CURVE TO BE RRJ.
5. R.C. PIPES TO BE CLASS 2 & P.V.C PIPES TO BE CLASS SH UNLESS OTHERWISE SPECIFIED.
6. 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 480kg INFLUENCE LINE FROM THE B.O.K. INTERSECTS WITH THE NEAREST TRENCH SIDE. PROVIDE CRUSHED ROCK BACKFILL WHERE DRAINAGE CROSSES BELOW FOOTPATHS.
7. 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.)
8. 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.
9. 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 EDCM 2019 703, EDCM 2019 702, EDCM 2019 703 & EDCM 2019 704.
10. 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 EDCM 2019 701 & EDCM 2019 703.
11. 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.
12. ALL PROPOSED DRAINAGE STUBS TO BE BLANKED OFF AT END OF PIPE WITH TIMBER PLANKS TO THE SATISFACTION OF THE SUPERVISING ENGINEER.
13. 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.
14. 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.
15. RESERVES TO BE FREE DRAINING AND TO BE LEFT IN A CONDITION SATISFACTORY TO THE CITY ENGINEER.
16. 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.
17. 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.
18. BATTERS TO BE 1 IN 6 FOR FILL AND 1 IN 6 FOR CUT UNLESS NOTED OTHERWISE.
19. CUT BATTERS ARE TO BE GRASSED AND MULCHED WITH A MIXTURE OF CHOPPED GRASS, STRAW AND BITUMEN EMULSION.
20. WHERE CUT BATTERS EXCEED 700mm AN ADDITIONAL 300mm BERM SHALL BE FORMED BEHIND FOOTPATH.
21. 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.
22. 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 CENTRIALLY AND UNDERLAIN BY 50mm OF CLASS 3 CR. REFER GAA STD DWG EDCM 2019 401.
23. PRAM CROSSINGS ARE TO BE CONSTRUCTED WHERE FOOTPATHS CONNECT TO THE BACK OF KERB & CHANNEL. REFER GAA STD DWG EDCM 2019 403.
24. 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.
25. 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.
26. 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.
27. TELSTRAINBN Co TO BE NOTIFIED SEVEN (7) DAYS PRIOR TO CONCRETE WORKS BEING PLACED.
28. 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.
29. 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.

30. 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.
31. ALL DRIVEWAYS ARE TO BE OFFSET 0.60m FROM SIDE BOUNDARYS AND EASEMENTS UNLESS OTHERWISE SHOWN, AND CONSTRUCTED AS PER GAA STD DWGS MCC 501 & MCC 502
32. ALL ROADS TO BE CONSTRUCTED WITH KERB & CHANNEL AS SHOWN. REFER GAA STD DWGS EDCM 2019 301 & EDCM 2019 302 AND MELTON COUNCIL STD DWGS.
33. KERB TRANSITION TO TAKE PLACE IN THE MINOR STREET OVER A 2.0m LENGTH FROM EITHER THE TANGENT POINT OR TP PIT.
34. EXISTING ROAD WORKS TO BE RECONSTRUCTED AS REQUIRED TO PROVIDE, WITHOUT DISCONTINUITY, A CONNECTION IN ACCORDANCE WITH DESIGN LEVELS AND GRADES.
35. 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 CARIND GEOTECHNICAL INVESTIGATION 215256 REPORT 01.2, MARCH 2016

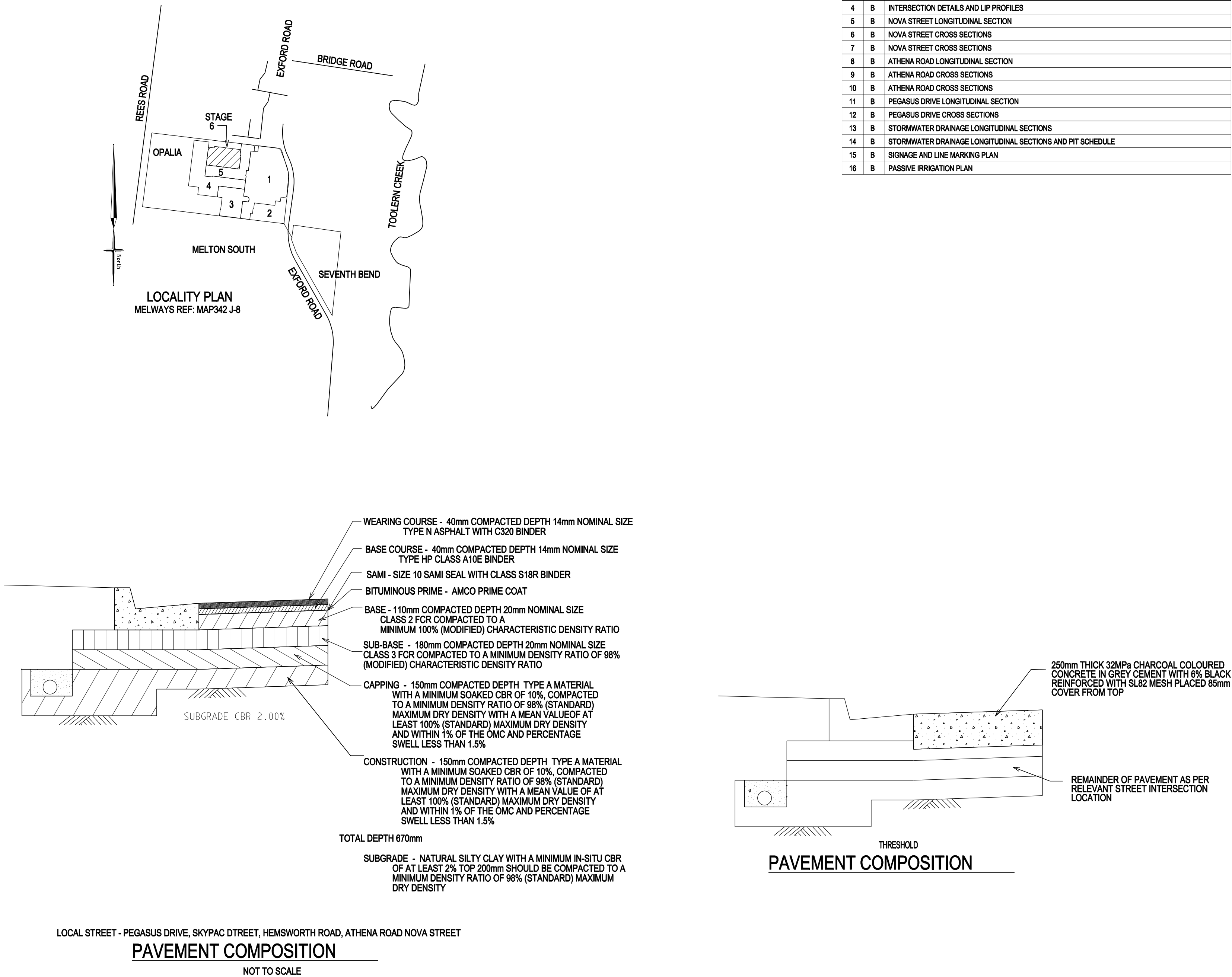
EARTHWORKS MATERIALS TO BE USED AS 'SELECT GRANULAR MATERIAL' MUST HAVE A SOAKED CBR OF MORE THAN 10% WITH A SWELL OF LESS THAN 1.5%. A LIQUID LIMIT OF LESS THAN 50%, A PLASTICITY INDEX (PI) OF LESS THAN 25% AND A PI x % LESS THAN 0.425mm OF LESS THAN 1200. THIS MATERIAL SHOULD ALSO HAVE A HYDRAULIC CONDUCTIVITY OF LESS THAN 1 x 10<sup>-9</sup> 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 ACHIVE 10% C.B.R. TO A MINIMUM DEPTH OF 300mm FOR ALL ROAD PAVEMENTS.

SPEED HUMP (RAISED PAVEEMNT) REFER SHEET 3

36. MODIFICATION OF THE PAVEMENT REQUIRES APPROVAL BY THE CITY OF MELTON WORKS SUPERVISOR.
37. 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.
38. 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.
39. 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.
40. PROVIDE PAINTED PALING FENCE ALONG ANY BOUNDARY COMMON TO LOTS & MUNICIPAL RESERVES AS PER MELTON COUNCIL . PALINGS TO BE ON THE RESERVE SIDE.
41. 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.
42. 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).
43. CONTRACTOR TO REMOVE EXISTING IRRIGATION AND DRAINAGE PIPES AND PITS ENCOUNTERED ON SITE. TRENCHES TO BE BACKFILLED IN ACCORDANCE WITH NOTES 16 & 17.
44. TACTILE GROUND SURFACE INDICATORS (TGSi) ARE TO BE INSTALLED AT ALL PRAM CROSSINGS AND PEDESTRIAN CROSS POINTS,REFER GAA STD DWG EDCM 2019 403.
45. MAXIMUM CROSSFALL ON FOOTPATHS TO BE 1in50 (30mm FOR 1.50m PATH)
46. AS CONSTRUCTED PLANS AND ELECTRONIC ASSET INFORMATION IN D-SPEC AND R-SPEC FORMAT MUST BE SUBMITTED TO COUNCIL PRIOR TO PRACTICAL COMPLETION
47. DELETED
48. THE CROSSOVERS MUST BE PROVIDED A MINIMUM OF 3.50m WIDTH AND MAXIMUM GRADE OF 1in10
49. 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	B	GENERAL NOTES, PAVEMENT DETAILS, DRAWING SCHEDULE, LOCALITY PLAN
2	B	LAYOUT PLAN
3	B	TYPICAL CROSS SECTIONS, THRESHOLD DETAIL, SPEED HUMP DETAILS
4	B	INTERSECTION DETAILS AND LIP PROFILES
5	B	NOVA STREET LONGITUDINAL SECTION
6	B	NOVA STREET CROSS SECTIONS
7	B	NOVA STREET CROSS SECTIONS
8	B	ATHENA ROAD LONGITUDINAL SECTION
9	B	ATHENA ROAD CROSS SECTIONS
10	B	ATHENA ROAD CROSS SECTIONS
11	B	PEGASUS DRIVE LONGITUDINAL SECTION
12	B	PEGASUS DRIVE CROSS SECTIONS
13	B	STORMWATER DRAINAGE LONGITUDINAL SECTIONS
14	B	STORMWATER DRAINAGE LONGITUDINAL SECTIONS AND PIT SCHEDULE
15	B	SIGNAGE AND LINE MARKING PLAN
16	B	PASSIVE IRRIGATION PLAN



PROPOSED  
COMMUNITY CENTRE  
8123m²

RESERVE No. 1

LAYOUT PLAN

AS CONSTRUCTED

#### SYMBOL LEGEND

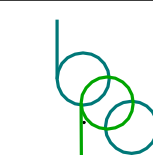
Drains	Prop	Prev stage	Ex/Natural/FS Level	+538.57
Sewer <300	—S—	—S—	FS @ Building Line	+528.57
Sewer >300	—S—	—S—	Top/Toe of Batter	+528.57
Water (DW)	—W—	—W—	Top Ret. Wall Level	+528.57
Water (NDW)	—W—	—W—	100yr Flood Level	+528.57
House Drain	—H—	—H—	Fill Prop	+528.57
Property Inlet	—P—	—P—	Cut Prop	+528.57
Street Sign	—S—	—S—	Asphalt Surf Prop	+528.57
PSM	—P—	—P—	Tree To Be Retained With Tree Protection Zone (TPZ)	+528.57
Rock Ret Wall	—R—	—R—	Tree To Be Removed	+528.57
Rock Ret Wall	—R—	—R—		+528.57
Conduits 50mm	—C—	—C—		+528.57
Conduits 100mm	—C—	—C—		+528.57
Ex Water/DW/NDW	—E—	—E—		+528.57
Ex Sewer/Gas	—E—	—E—		+528.57
Ex Elect/Tel	—E—	—E—		+528.57

#### 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

#### SERVICES OFFSETS AND LOCATIONS

STREET NAME	Rd RESERVE	WATER	GAS	ELECTRICITY	FIBRE TO THE HOME	PITS	Bk. of KERB	JOINT TRENCHING
PEGASUS DRIVE	20.00	2.80 E	2.10 E	3.10 W	0.90 BOK	2.30 W	2.30 W	E.T.G.W.
ATHENA ROAD	16.00	2.80 N	2.10 N	2.80 S	0.90 BOK	1.85 S	1.85 S	E.T.G.W.
NOVA STREET	16.00	2.80 N	2.10 N	2.40 S	0.90 BOK	1.85 S	1.85 S	E.T.G.W.



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OPALIA ESTATE  
STAGE 6

LAYOUT DETAILS

MUNICIPALITY

MELTON

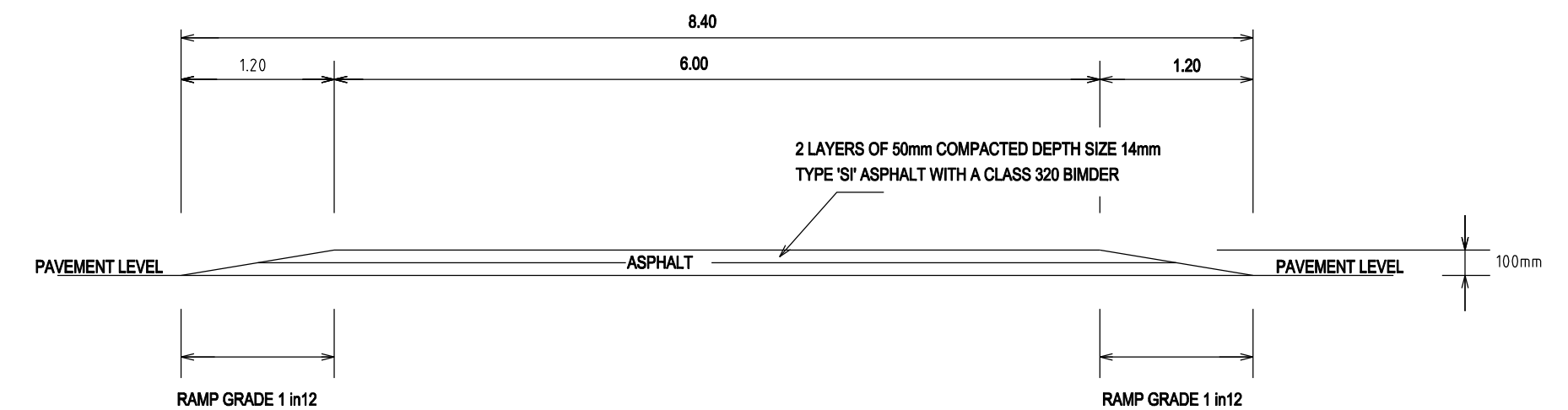
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6751 E/06

SHEET 2 OF 16

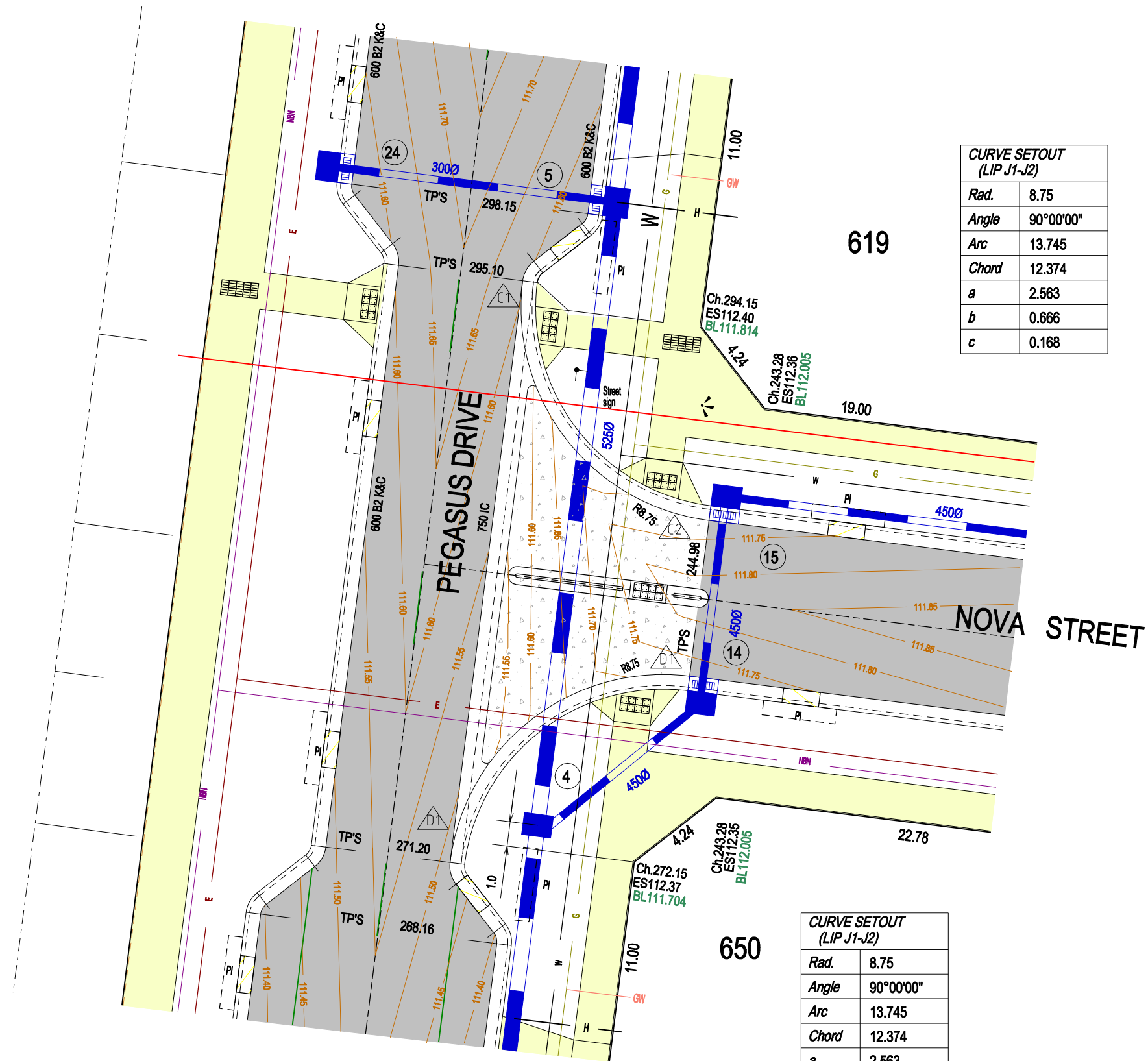
B





AMENDMENTS				 <div> <div>breese pitt dixon pty. ltd.</div> <div>land surveyors civil engineers</div> </div>	1/19 calo street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310										
					MELWAY REF.	342-J-7			OPALIA ESTATE STAGE 6 TYPICAL SECTIONS, DETAILS	MUNICIPALITY			MELTON		
					SURVEY	B.P.D.				REFERENCE			6751 E / 06		
	B	8.04.2021	PASSIVE IRRIGATION AND CONDUITS AMENDED		DESIGN	RK									
	A	1.02.2021	CONSTRUCTION ISSUE		DRAWN	RK									
VER.	DATE	REMARKS	CHECKED	SCALE	AS SHOWN	DATUM	AHD	DATE	AUG. 20	SHEET	3	OF	16	B	

PROPOSED  
COMMUNITY CENTRE



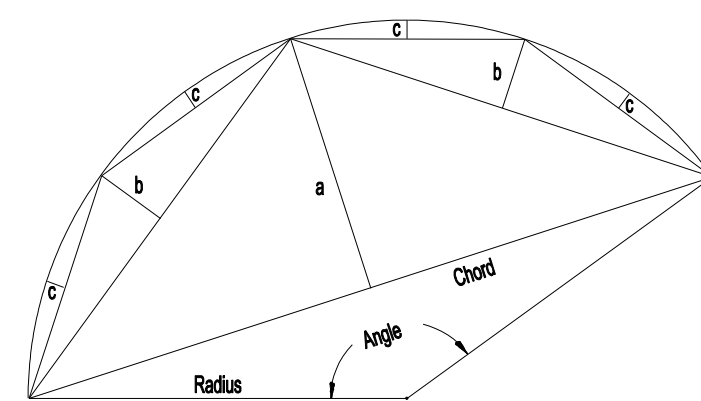
TACTILE GROUND SURFACE INDICATORS (TGSI)  
ARE TO BE INSTALLED WHERE SHOWN IN  
ACCORDANCE WITH AS 1428

#### 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

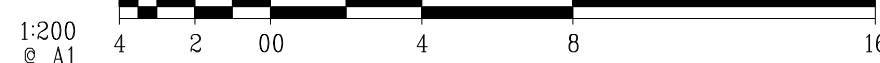
#### WARNING

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

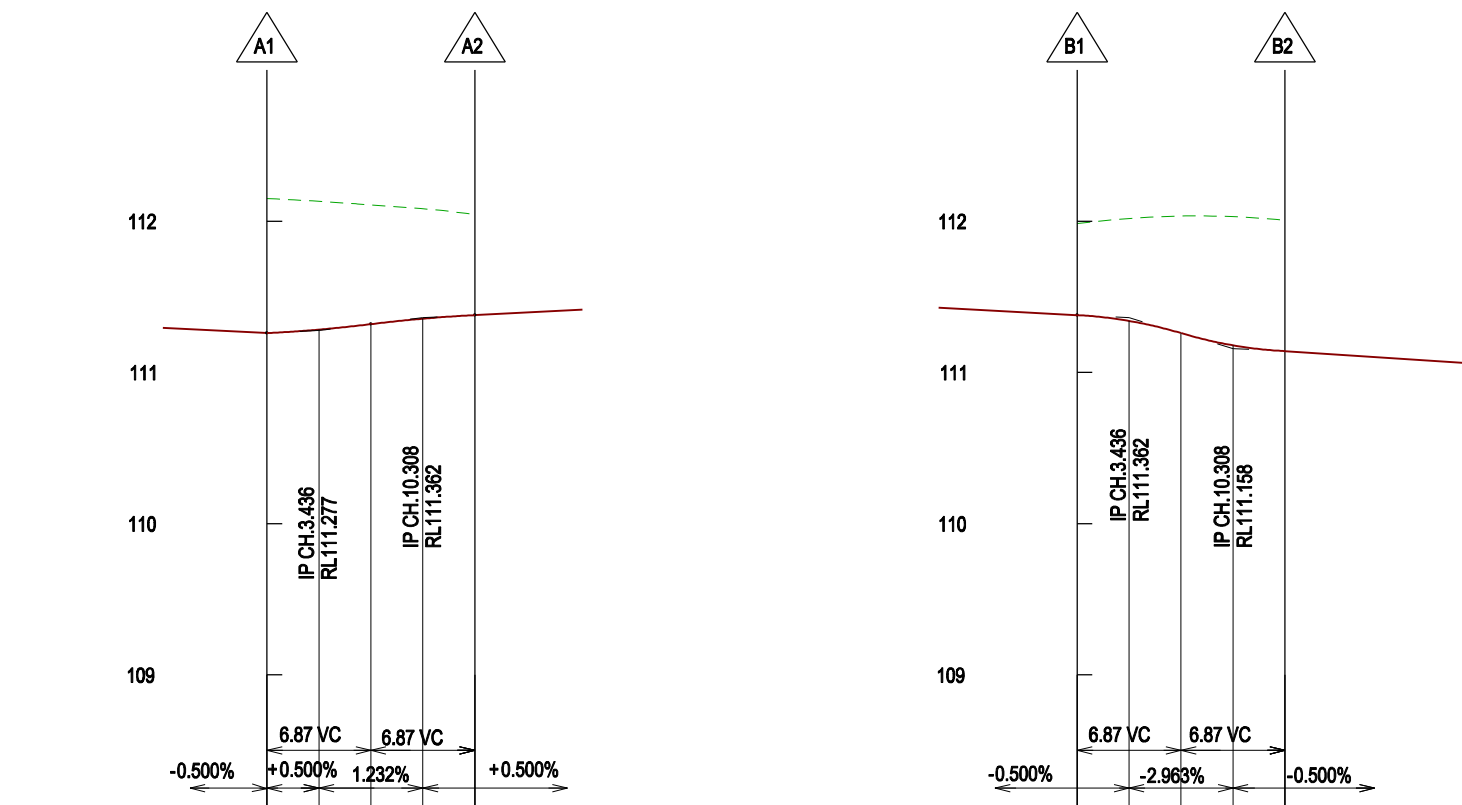
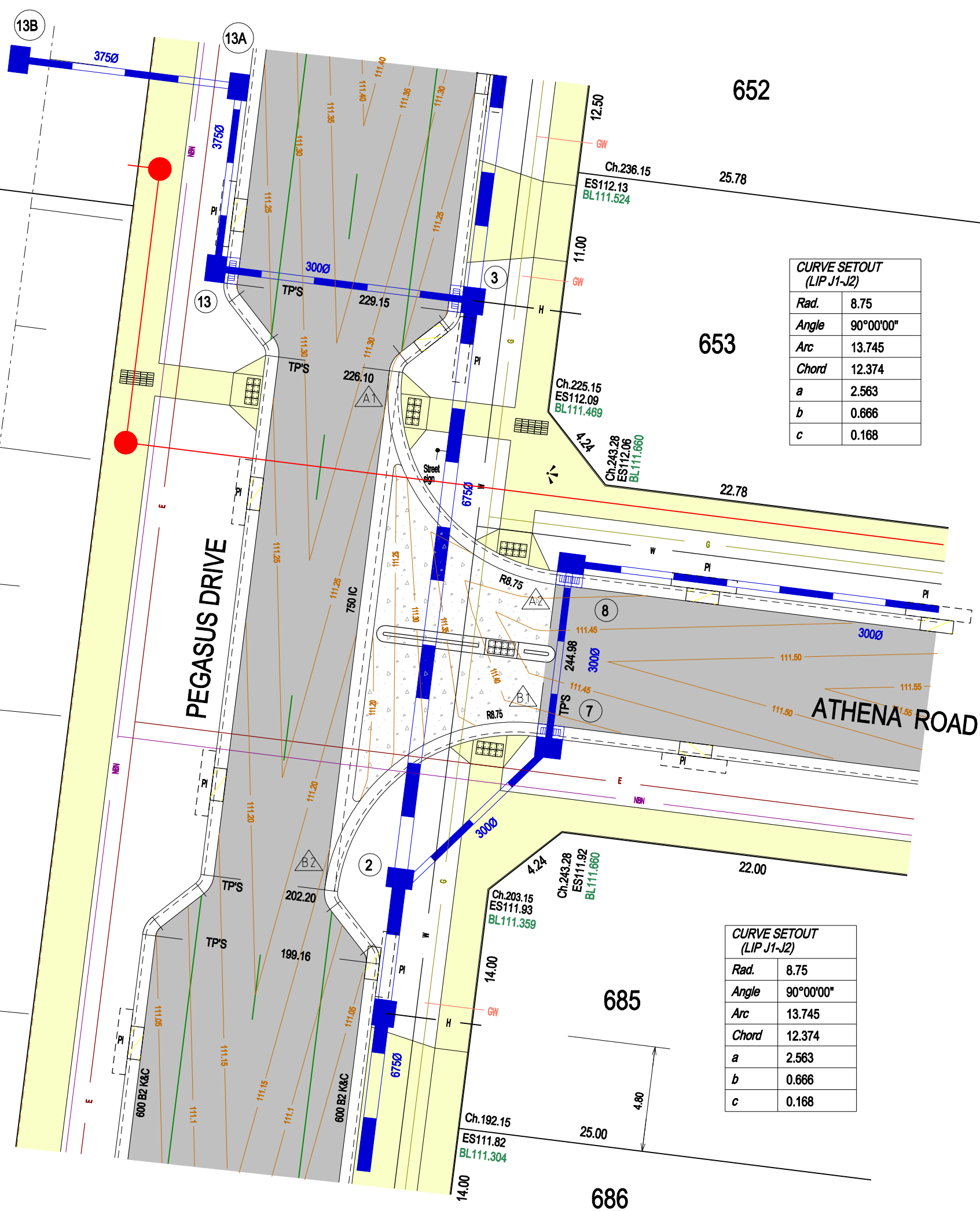


CURVE SETOUT DIAGRAM

### INTERSECTION DETAILS



PROPOSED  
COMMUNITY CENTRE

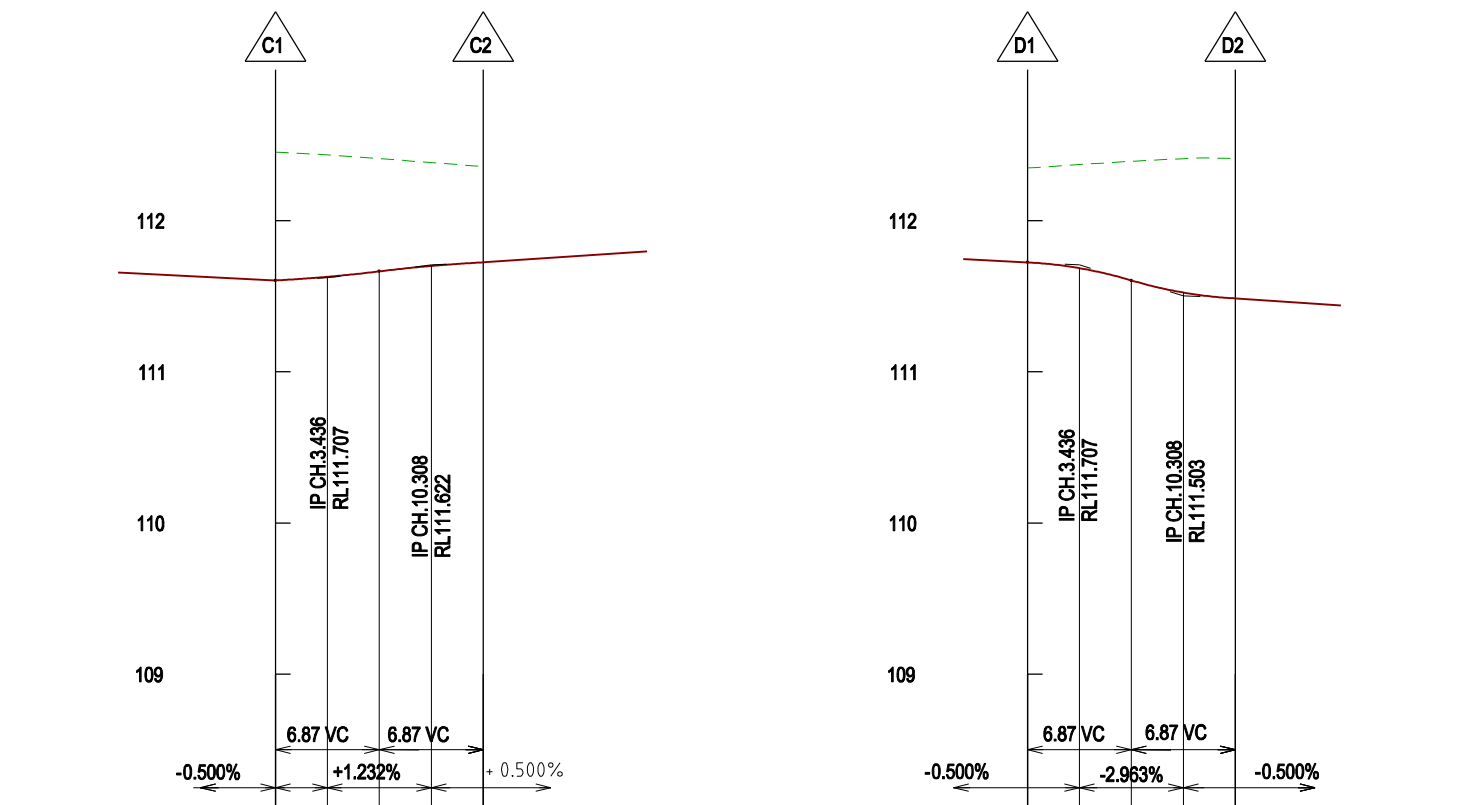


#### LIP LINE A

SCALE (@A1)  
H1:500  
V1:50

#### LIP LINE B

SCALE (@A1)  
H1:500  
V1:50



#### LIP LINE C

SCALE (@A1)  
H1:500  
V1:50

#### LIP LINE D

SCALE (@A1)  
H1:500  
V1:50

**AS CONSTRUCTED**


#### SYMBOL LEGEND

Drains	Prop	Prev stage	Ex/Natural/FS Level	+528.57
Sewer <300	S	S	FS @ Building Line	RL28.570
Sewer >300	S	S	Top/Toe of Batter	TOP28.570
Water (DW)	W	W	Top Ret. Wall Level	TL28.57
Water (NDW)	W	W	100yr Flood Level	FL28.57
House Drain	H	H	Fill Prop	
Property Inlet	I	I	Cut Prop	
Street Sign	S	S	Asphalt Surf Prop	
PSM	PSM	PSM	Tree To Be Retained	
Rock Ret Wall	R	R	With Tree Protection	
Rock Ret Wall	R	R	Zone (TPZ)	
Conduits 50mm	C	C	Tree To Be Removed	
Conduits 100mm	C	C		
Ex Drains	ExD	ExD		
Ex Water/DW/NDW	ExW	ExW		
Ex Sewer/Gas	ExS	ExS		
Ex Elect/Tel	ExE	ExE		

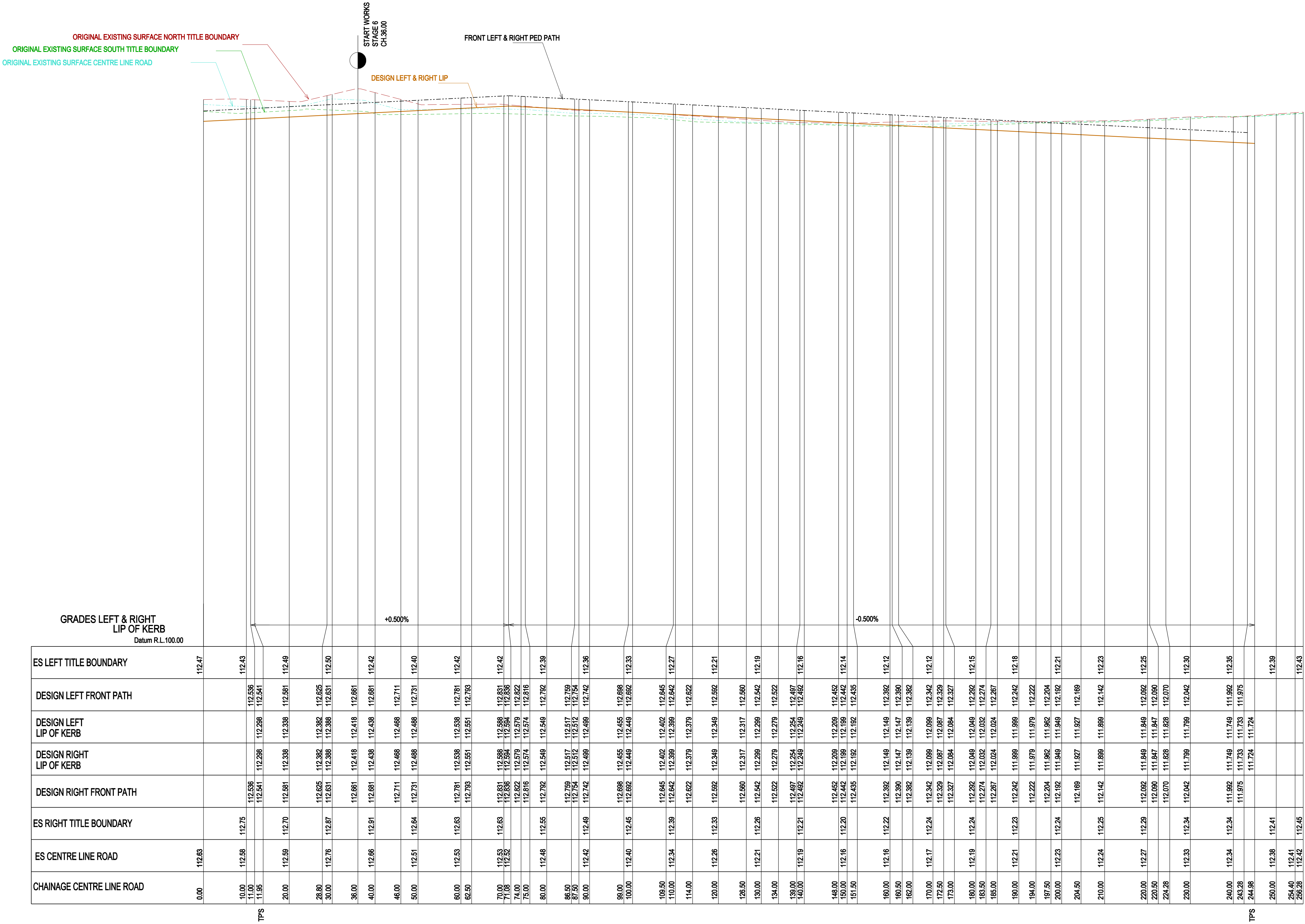


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AMENDMENTS					breese pitt dixon pty. ltd. land surveyors civil engineers				1/19 calo street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310					
					MELWAY REF.	342-J-7	OPALIA ESTATE STAGE 6  INTERSECTION DETAILS, LIP PROFILES				MUNICIPALITY			
					SURVEY	B.P.D.					MELTON			
					DESIGN	RK					REFERENCE			
	B	8.04.2021	PASSIVE IRRIGATION AND CONDUITS AMENDED		DRAWN	RK	6751 E / 06							
A	1.02.2021	CONSTRUCTION ISSUE												
VER.	DATE	REMARKS	CHECKED	SCALE	AS SHOWN	DATUM	AHD	DATE	AUG. 20	SHEET	2	OF	16	B






NOVA STREET LONGITUDINAL SECTION

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Vert: 1:50

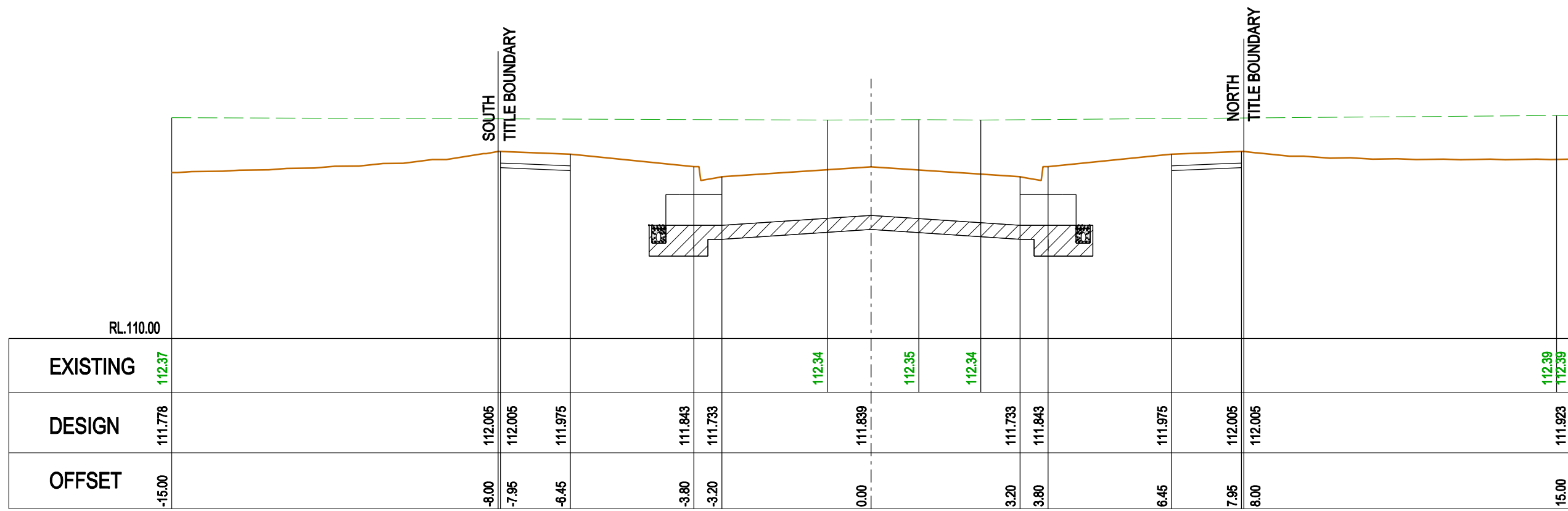
AS CONSTRUCTED

AMENDMENTS					1/19 calo street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310
B	8.04.2021	PASSIVE IRRIGATION AND CONDUITS AMENDED	MELWAY REF. 342-J-7	OPALIA ESTATE STAGE 6  NOVA STREET LONGITUDINAL SECTION	MUNICIPALITY  MELTON
A	1.02.2021	CONSTRUCTION ISSUE	SURVEY B.P.D.		
VER.	DATE	REMARKS	DESIGN RK		REFERENCE 6751 E/06
			DRAWN RK	SCALE AS SHOWN	SHEET 5 OF 16
			CHECKED	DATUM AHD	B
				DATE AUG. 20	

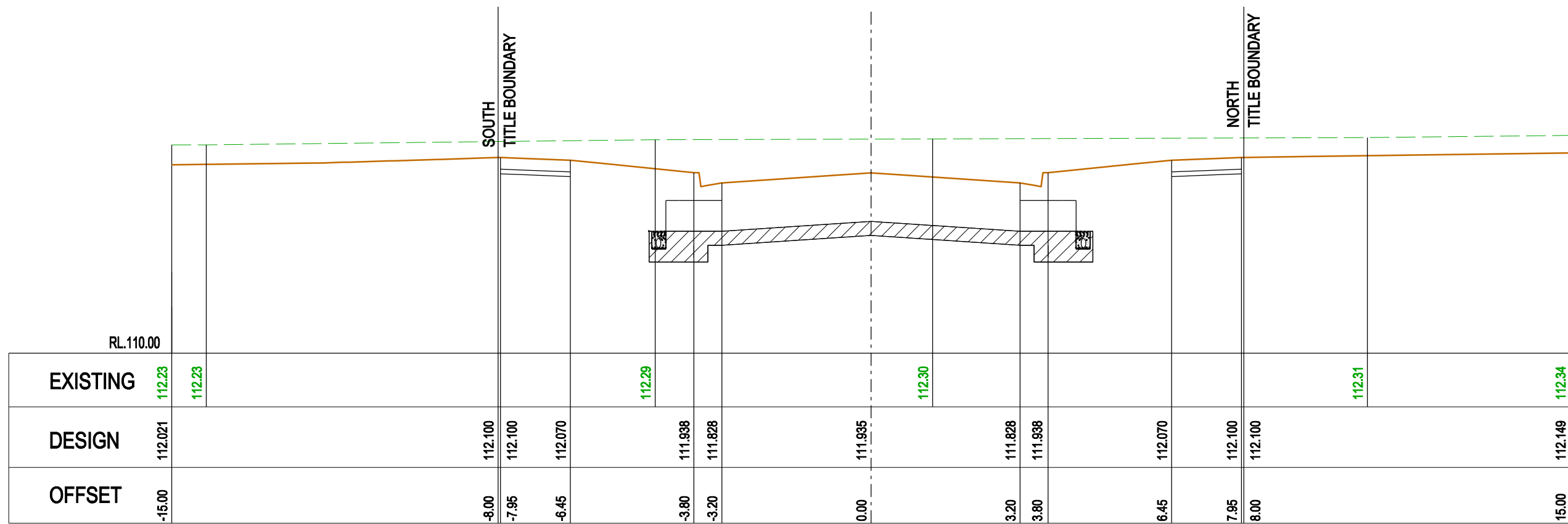




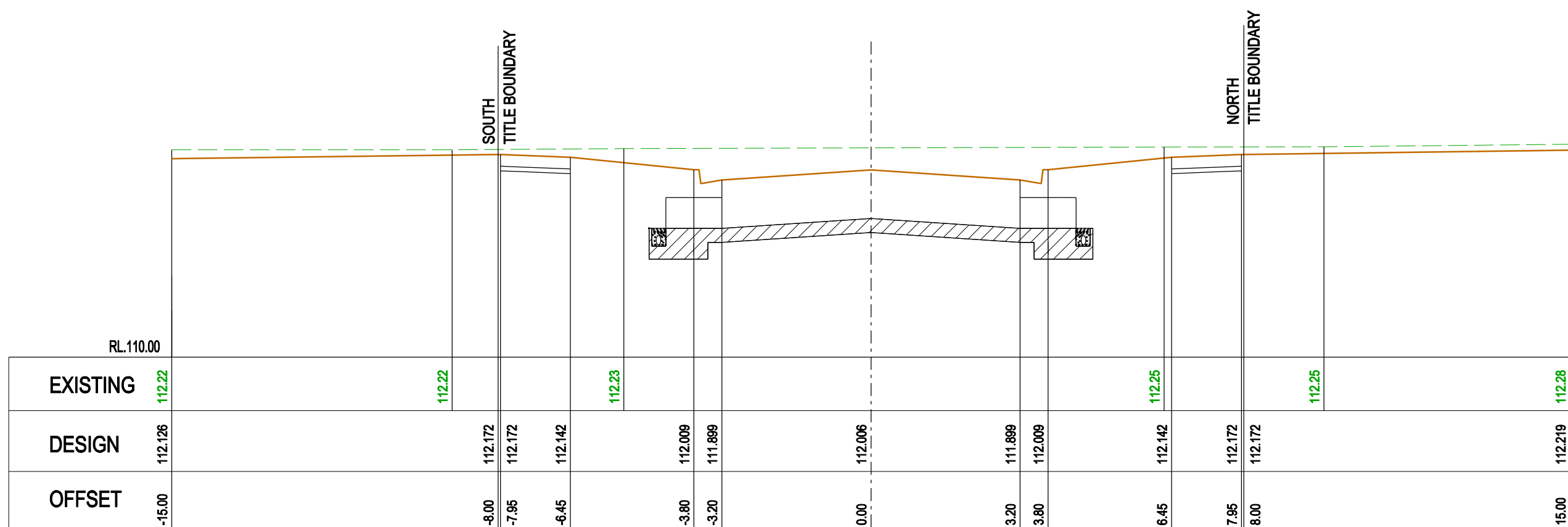




243.28



224.28




210.00

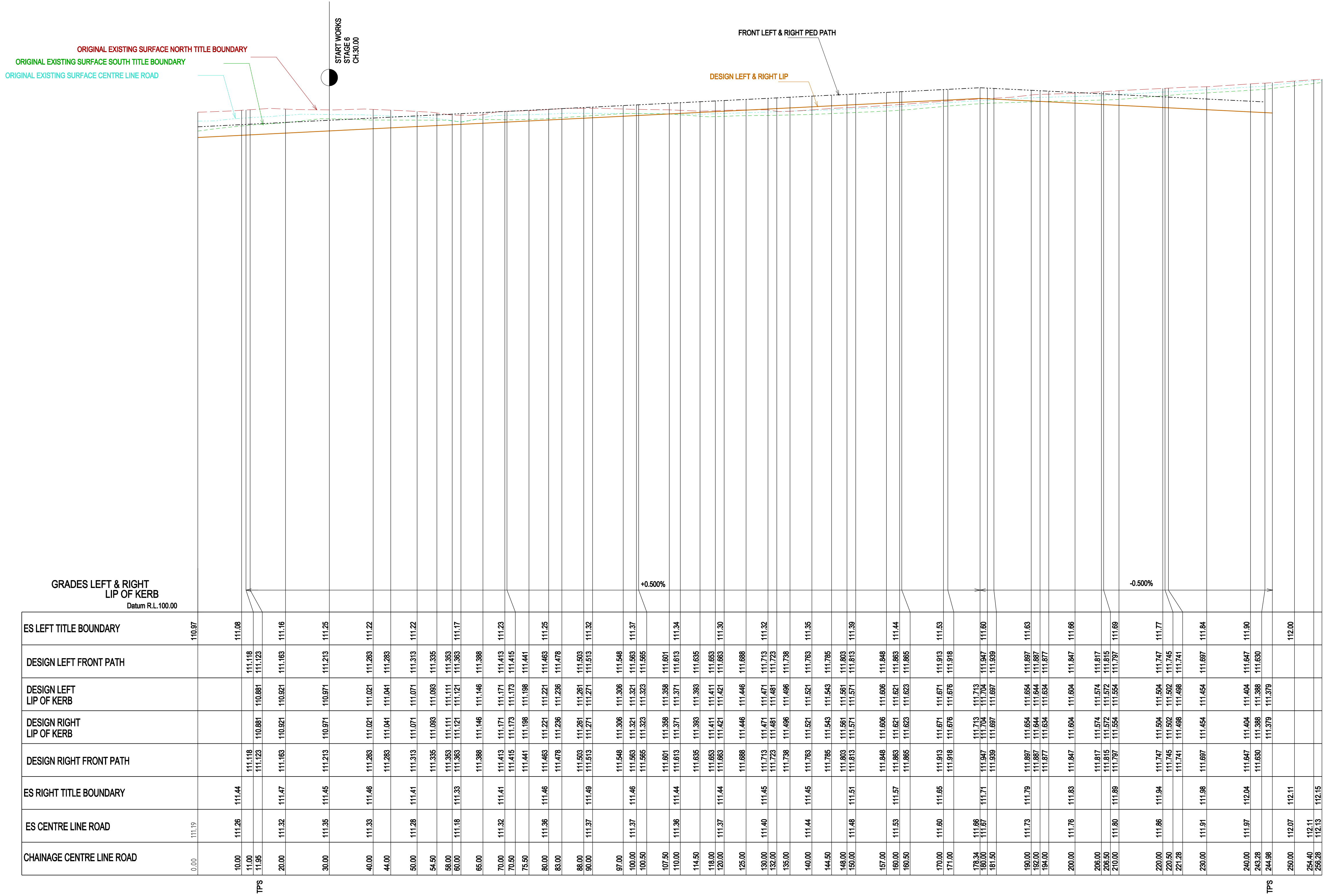
NOVA STREET CROSS SECTIONS

SCALE Hor. 1:100  
Vert 1:50

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			MELWAY REF.	342-J-7	OPALIA ESTATE STAGE 6  NOVA STREET CROSS SECTIONS				MUNICIPALITY  MELTON						
			SURVEY	B.P.D.											
B	8.04.2021	PASSIVE IRRIGATION AND CONDUITS AMENDED	DESIGN	RK					REFERENCE  6751 E / 06						
A	1.02.2021	CONSTRUCTION ISSUE	DRAWN	RK											
VER.	DATE	REMARKS	CHECKED		SCALE	AS SHOWN	DATUM	AHD	DATE	AUG. 20	SHEET	7	OF	16	B






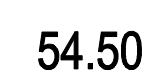
ATHENA ROAD LONGITUDINAL SECTION

SCALE Hor: 1:500  
Vert: 1:50

AS CONSTRUCTED


AMENDMENTS				breese pitt dixon pty. ltd. land surveyors civil engineers				1/19 calo street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310						
				MELWAY REF.	342-J7	OPALIA ESTATE STAGE 6  ATHENA ROAD LONGITUDINAL SECTION				MUNICIPALITY		MELTON		
				SURVEY	B.P.D.					REFERENCE		6751 E / 06		
	B	8.04.2021	PASSIVE IRRIGATION AND CONDUITS AMENDED	DESIGN	RK									
A	1.02.2021	CONSTRUCTION ISSUE	DRAWN	RK										
VER.	DATE	REMARKS	CHECKED	SCALE	AS SHOWN	DATUM	AHD	DATE	AUG. 20	SHEET	8	OF	16	B



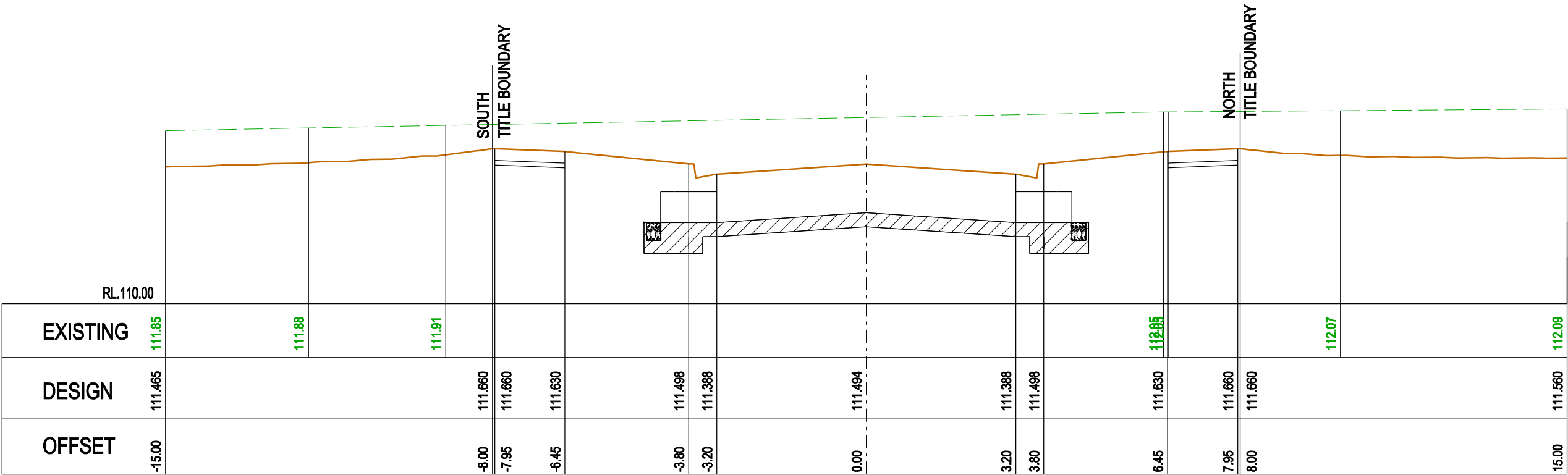


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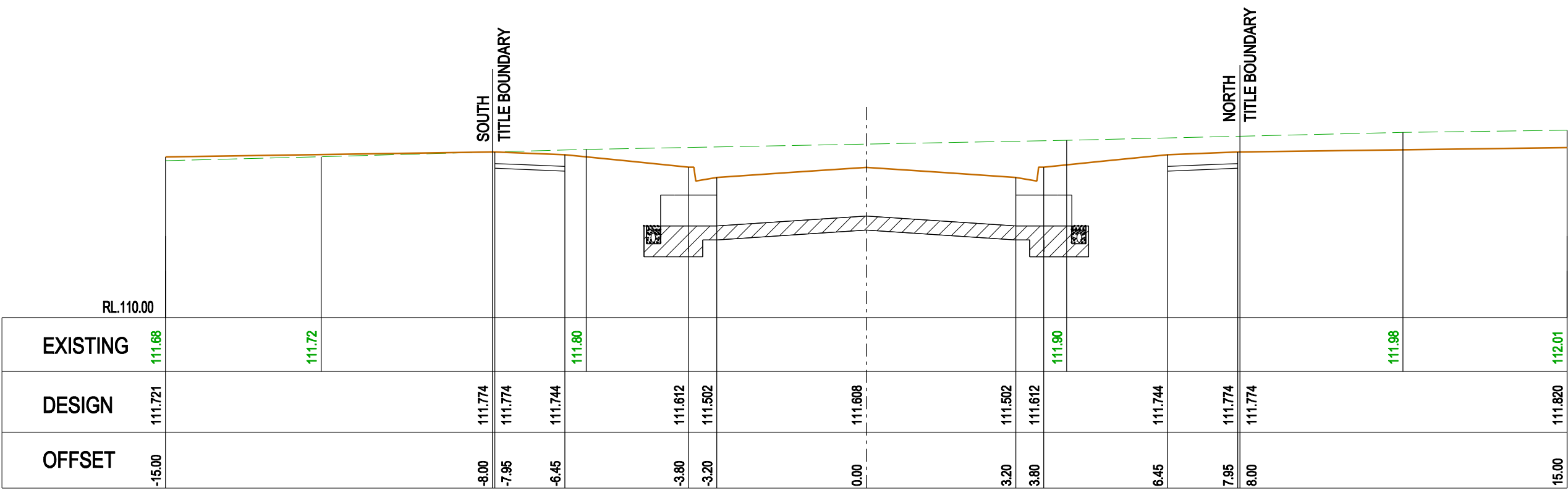
**AS CONSTRUCTED**

AMENDMENTS				 <div><div>breese pitt dixon pty. ltd.</div><div>land surveyorscivil engineers</div></div>	1/19 calo street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310										
					MELWAY REF. 342-J-7	OPALIA ESTATE STAGE 6 ATHENA ROAD CROSS SECTIONS					MUNICIPALITY  MELTON				
					SURVEY B.P.D.						REFERENCE				
	B	8.04.2021	PASSIVE IRRIGATION AND CONDUITS AMENDED		DESIGN RK						6751 E/06				
	A	1.02.2021	CONSTRUCTION ISSUE		DRAWN RK										
VER.	DATE	REMARKS	CHECKED	SCALE	AS SHOWN	DATUM	AHD	DATE	AUG. 20	SHEET	9	OF	16	B	

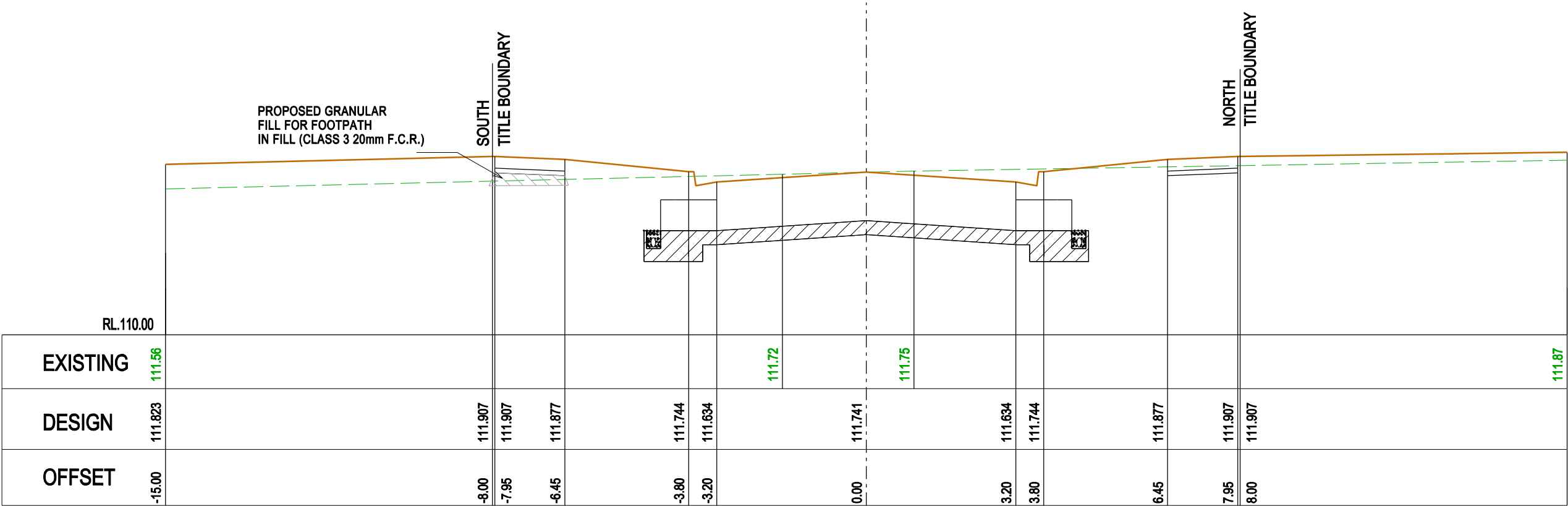




243.28



220.50




194.00

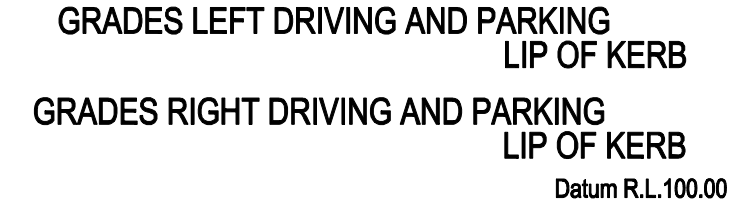
ATHENA ROAD CROSS SECTIONS

SCALE Hor: 1:100  
Vert: 1:50

AS CONSTRUCTED

AMENDMENTS				 <b>breese pitt dixon pty. ltd.</b> land surveyors civil engineers	1/19 calo street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310									
			MELWAY REF. 342-J7	OPALIA ESTATE STAGE 6  ATHENA ROAD CROSS SECTIONS				MUNICIPALITY						
			SURVEY B.P.D.					MELTON						
B	8.04.2021	PASSIVE IRRIGATION AND CONDUITS AMENDED	DESIGN RK					REFERENCE						
								6751 E / 06						
A	1.02.2021	CONSTRUCTION ISSUE	DRAWN RK											
VER.	DATE	REMARKS	CHECKED	SCALE	AS SHOWN	DATUM	AHD	DATE	AUG. 20	SHEET	10	OF	16	B



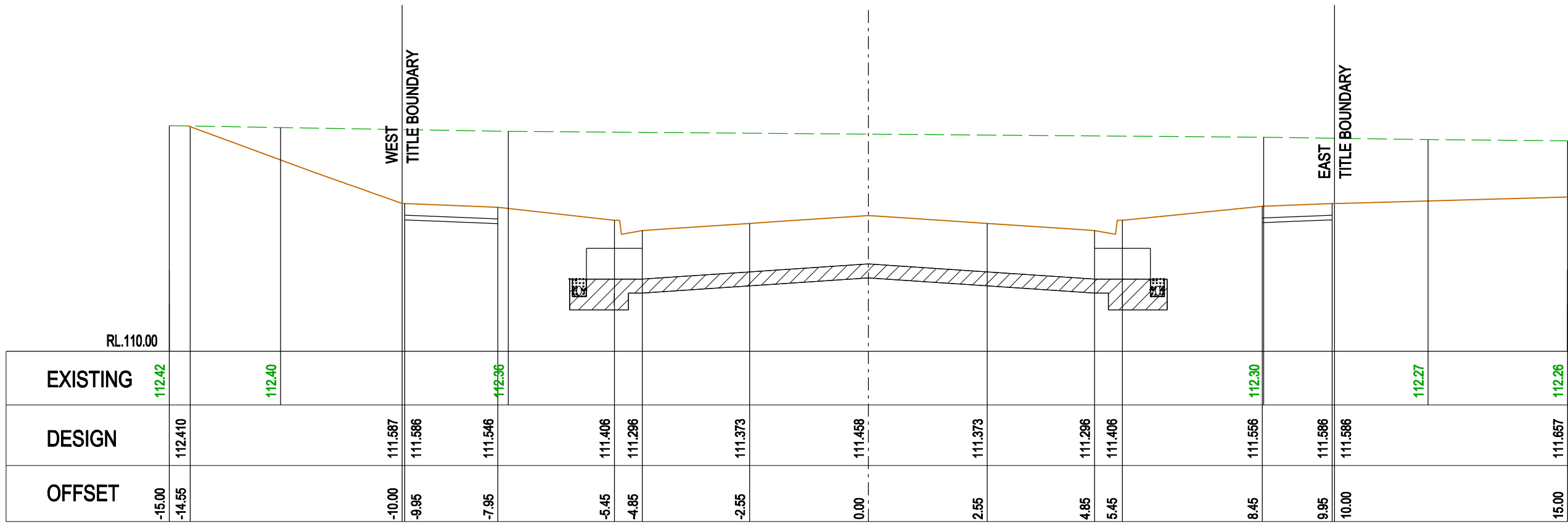


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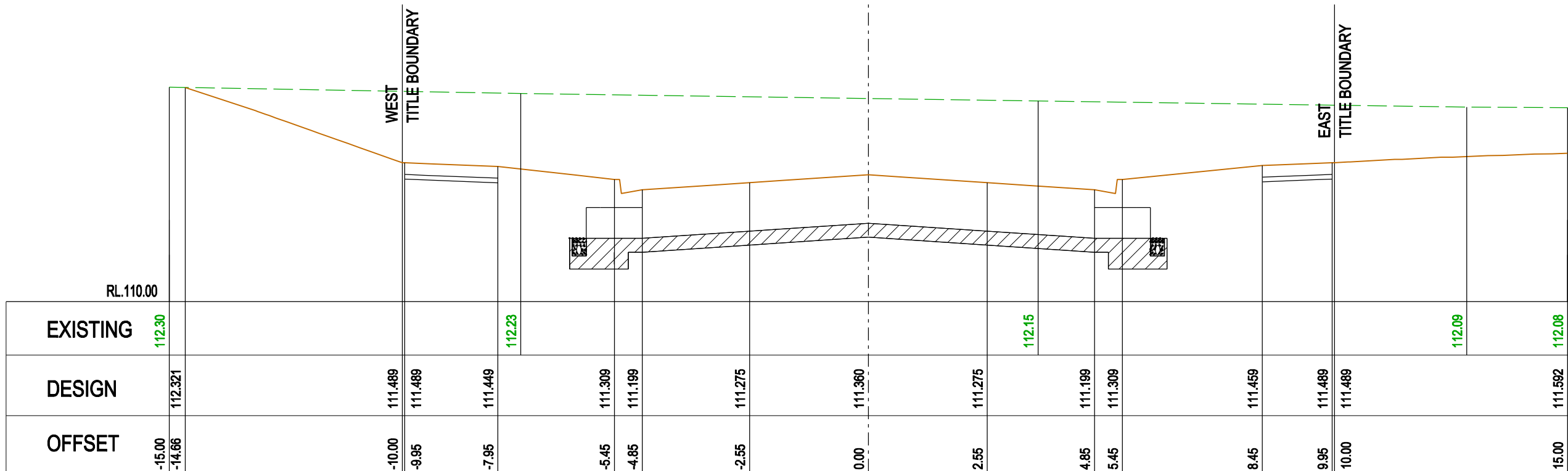
## AS CONSTRUCTED

B	

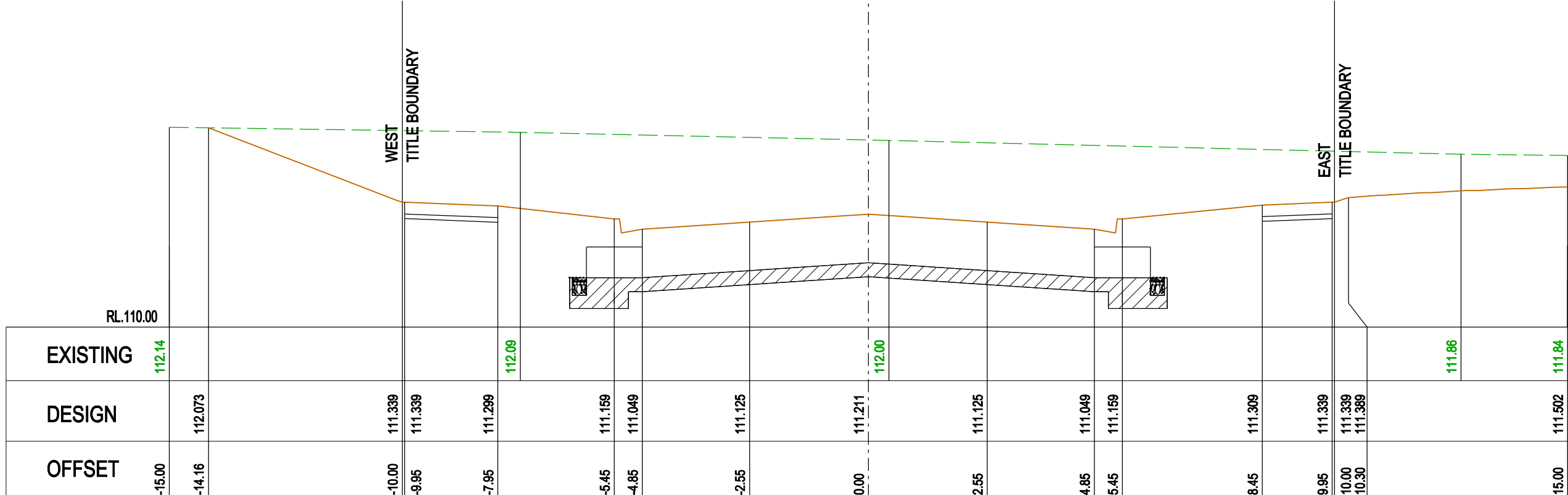




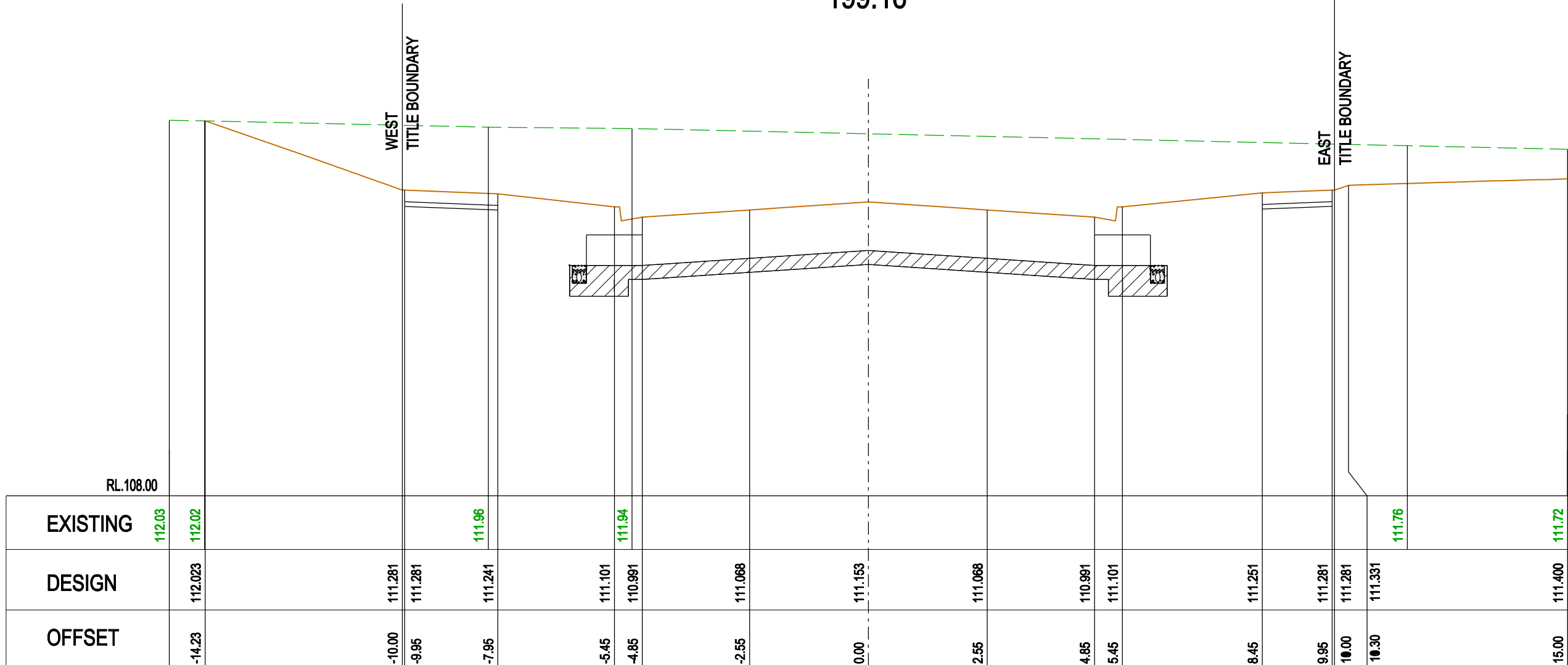
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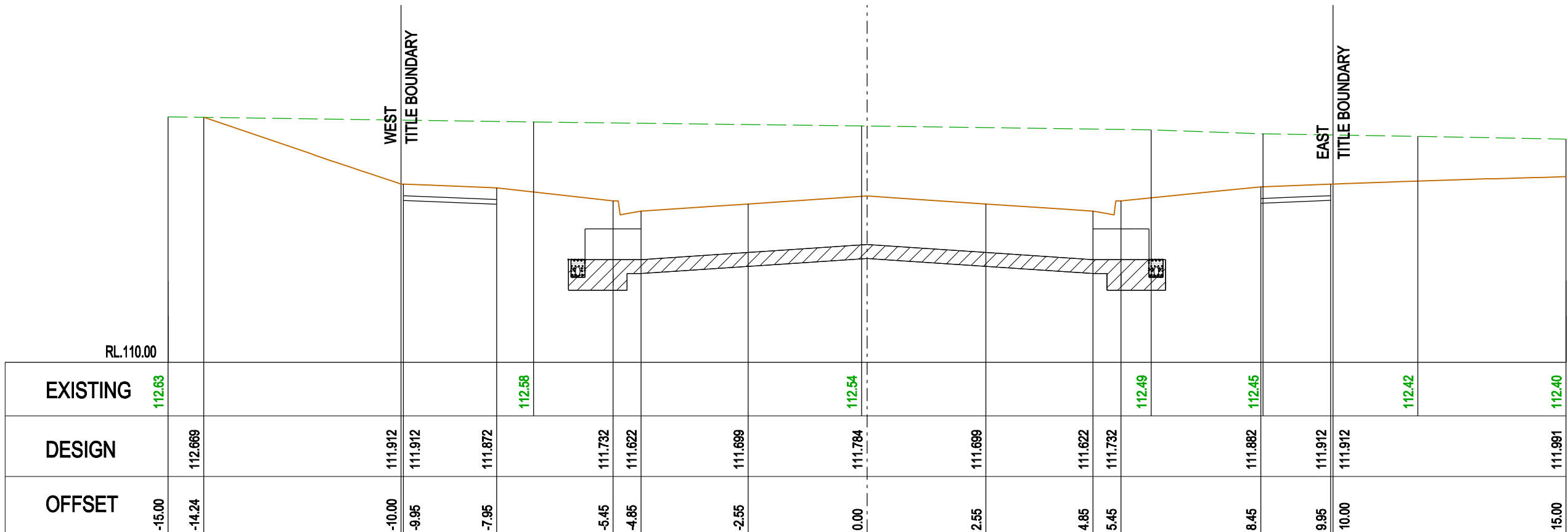
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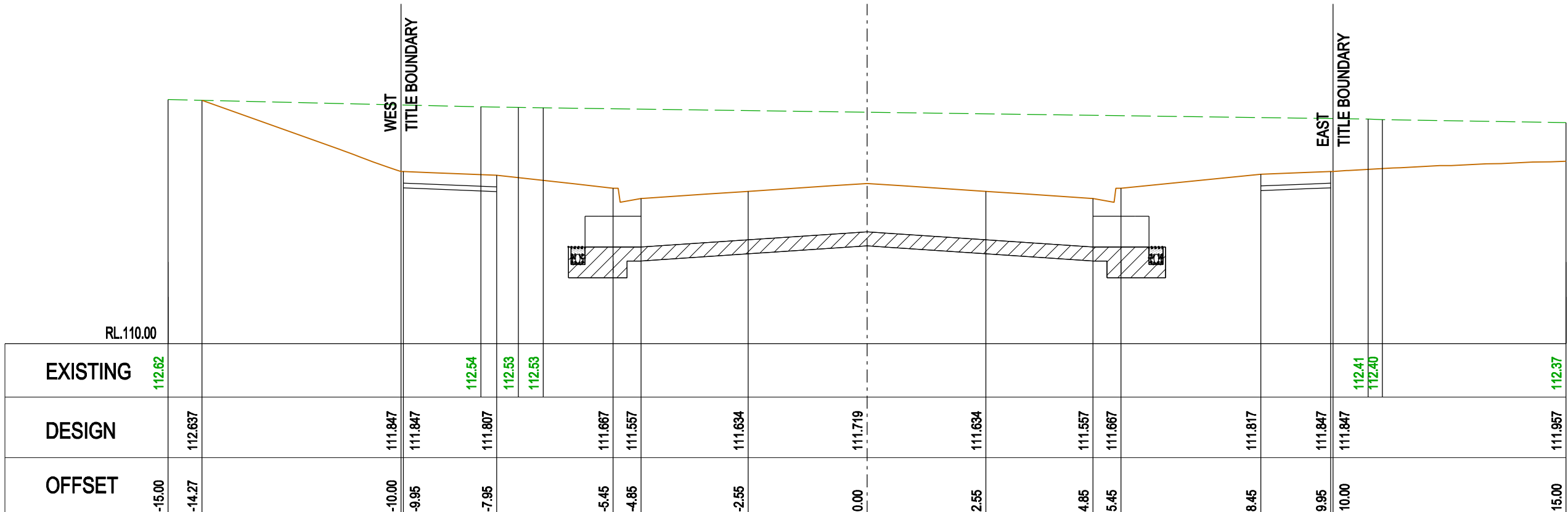
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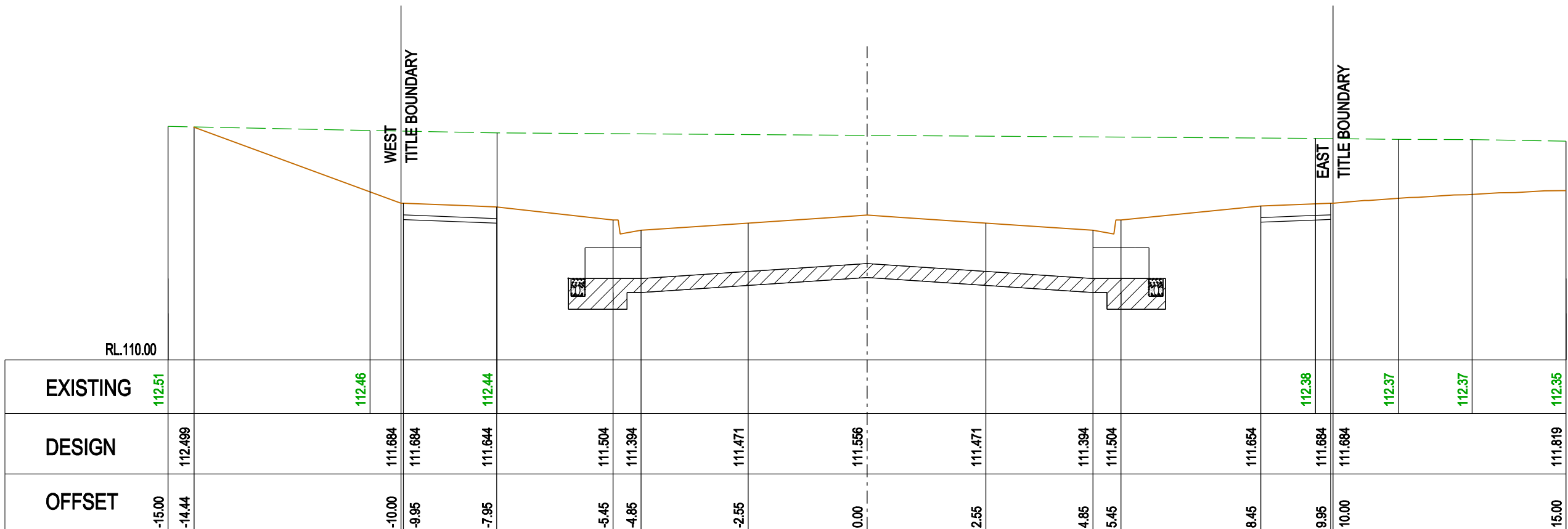
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305.15



298.15



268.16

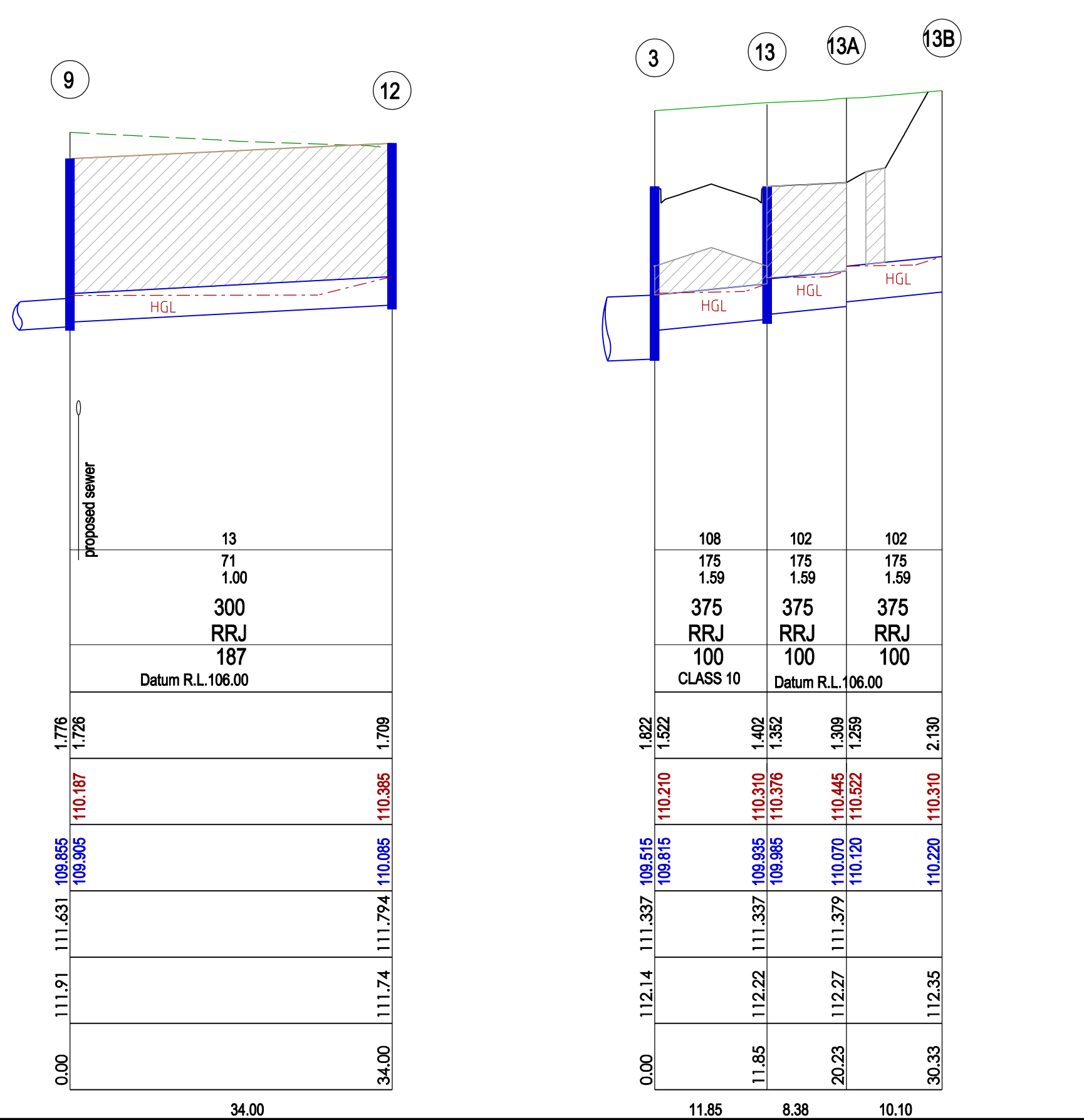
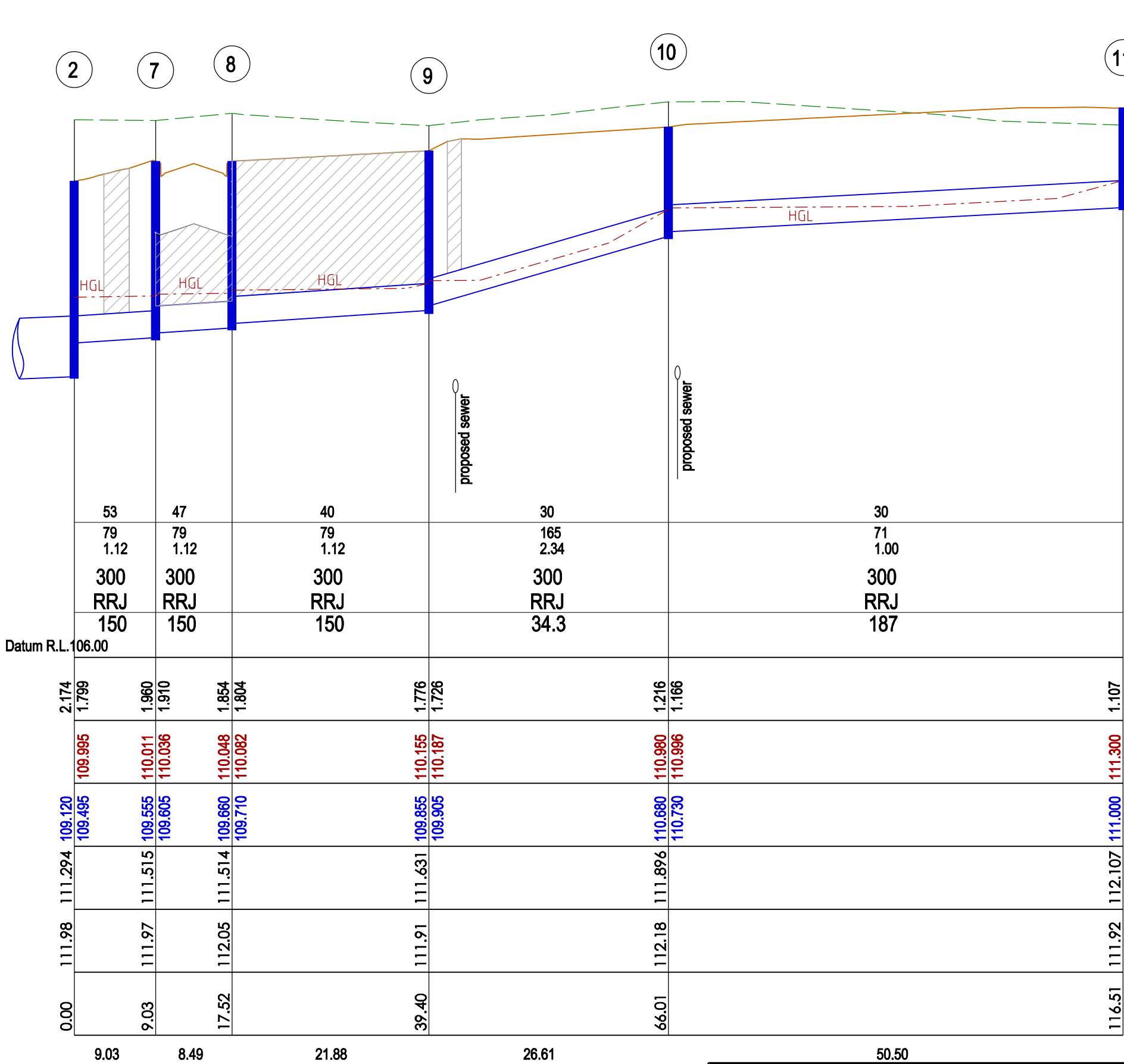
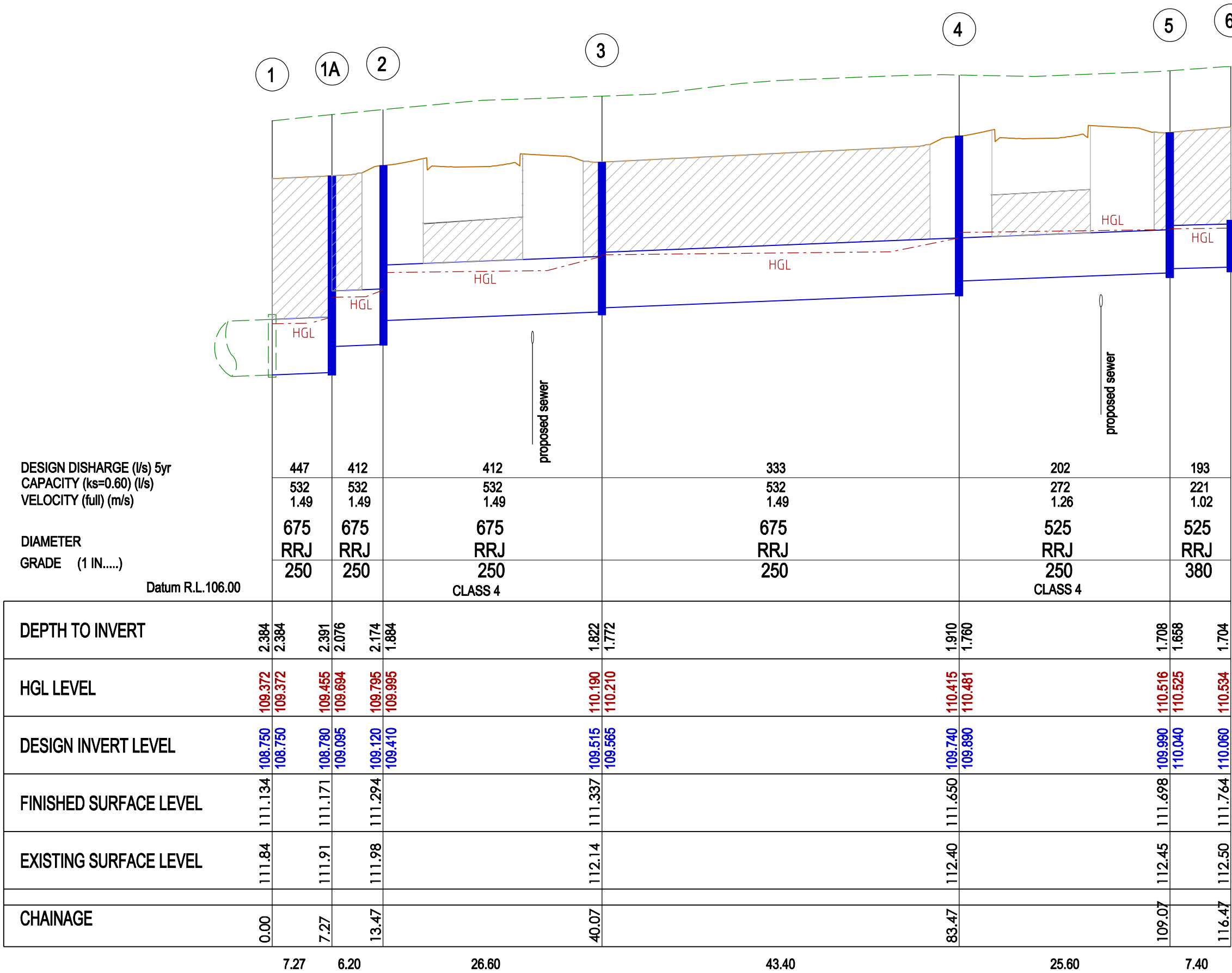
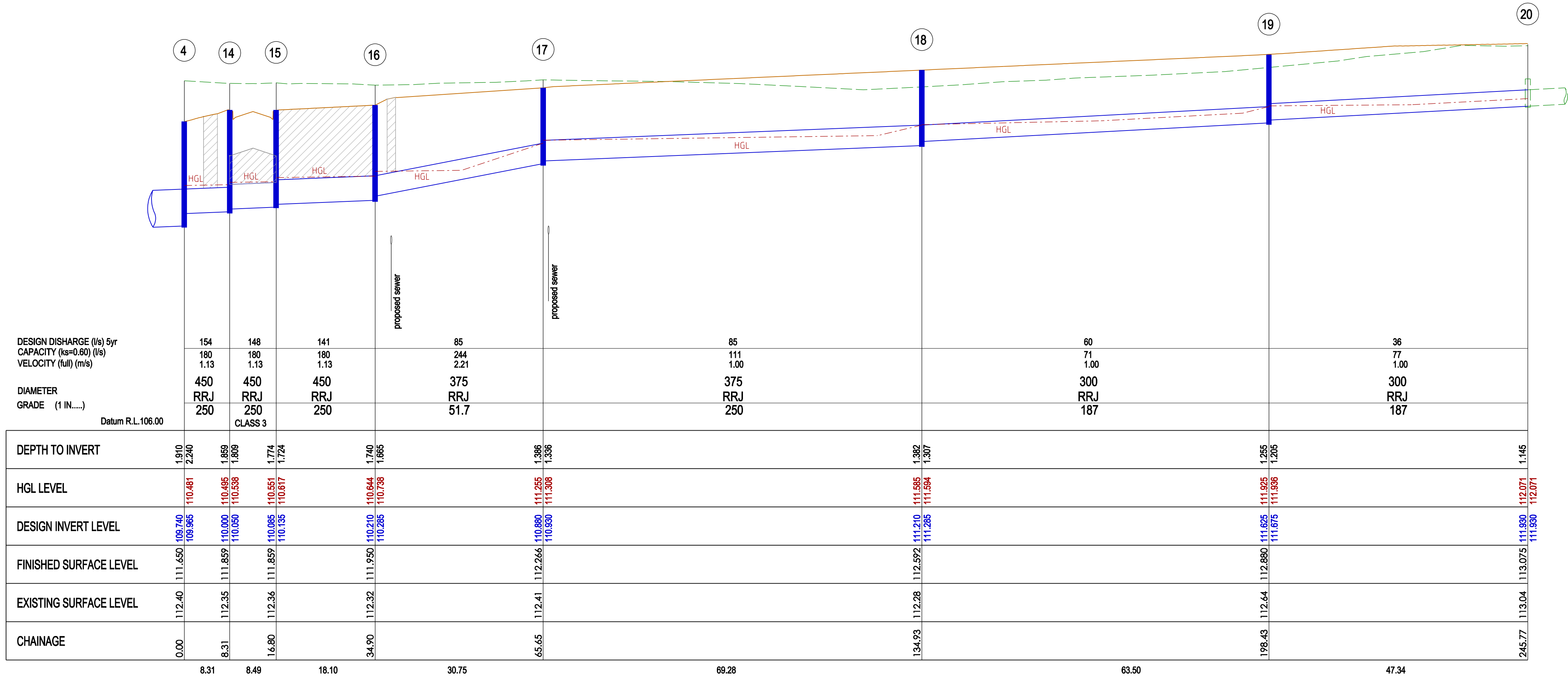
PEGASUS DRIVE CROSS SECTIONS

SCALE Hor. 1:100  
Vert. 1:50

AS CONSTRUCTED

AMENDMENTS				OPALIA ESTATE STAGE 6 PEGASUS DRIVE CROSS SECTIONS				MUNICIPALITY MELTON	
	B	8.04.2021	PASSIVE IRRIGATION AND CONDUITS AMENDED						
	A	1.02.2021	CONSTRUCTION ISSUE						
	VER.	DATE	REMARKS						
			MELWAY REF.	342-J-7					1/19 calo street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310
			SURVEY	B.P.D.					REFERENCE 6751 E/06
			DESIGN	RK					SHEET 12 OF 16
			DRAWN	RK					B
			CHECKED		SCALE	AS SHOWN	DATUM	AHD	DATE
						AUG. 20			





STORMWATER DRAINAGE LONGITUDINAL SECTIONS

SCALE Hor: 1:500  
Vert: 1:50

RRJ - RUBBER RING JOINTED

--- DENOTES CRUSHED ROCK BACKFILL

AS CONSTRUCTED

AMENDMENTS

B	8.04.2021	PASSIVE IRRIGATION AND CONDUITS AMENDED
A	1.02.2021	CONSTRUCTION ISSUE
VER.	DATE	REMARKS

MELWAY REF.

342-J-7

SURVEY

B.P.D.

DESIGN

RK

DRAWN

RK

CHECKED

OPALIA ESTATE  
STAGE 6

STORMWATER DRAINAGE LONGITUDINAL SECTIONS

SCALE

AS SHOWN

DATUM

AHD

DATE

AUG. 20

SHEET

13

OF

16

MUNICIPALITY

MELTON

REFERENCE

6751 E/06

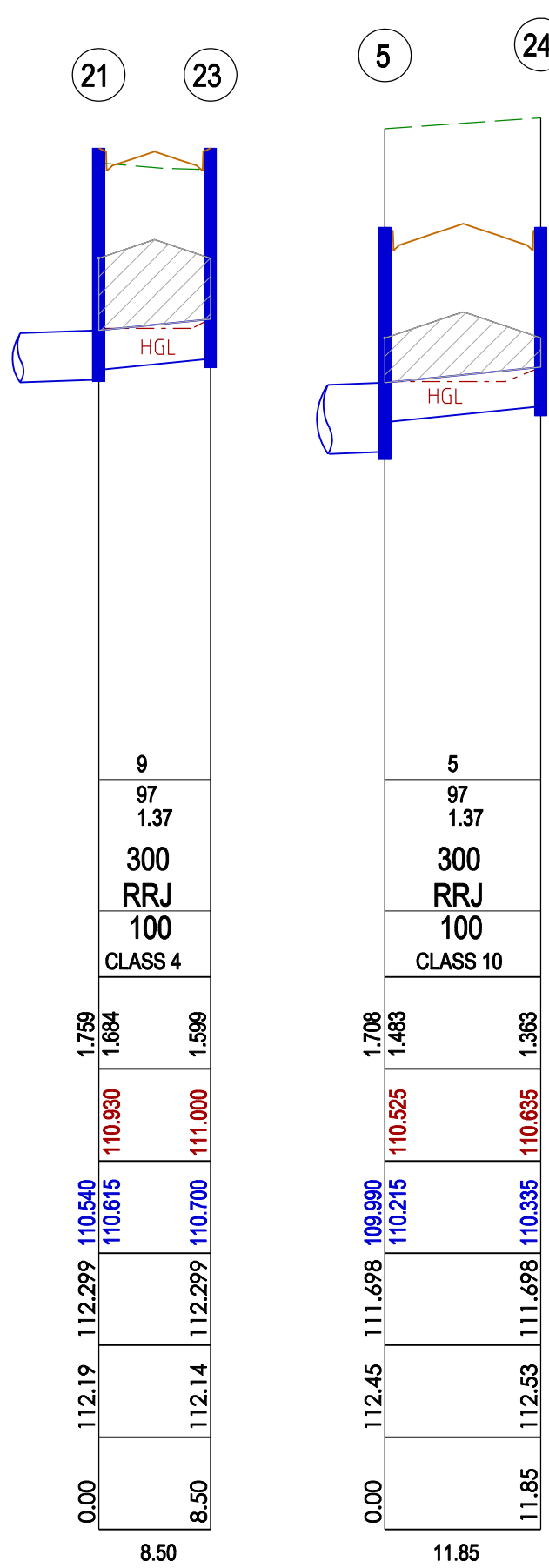
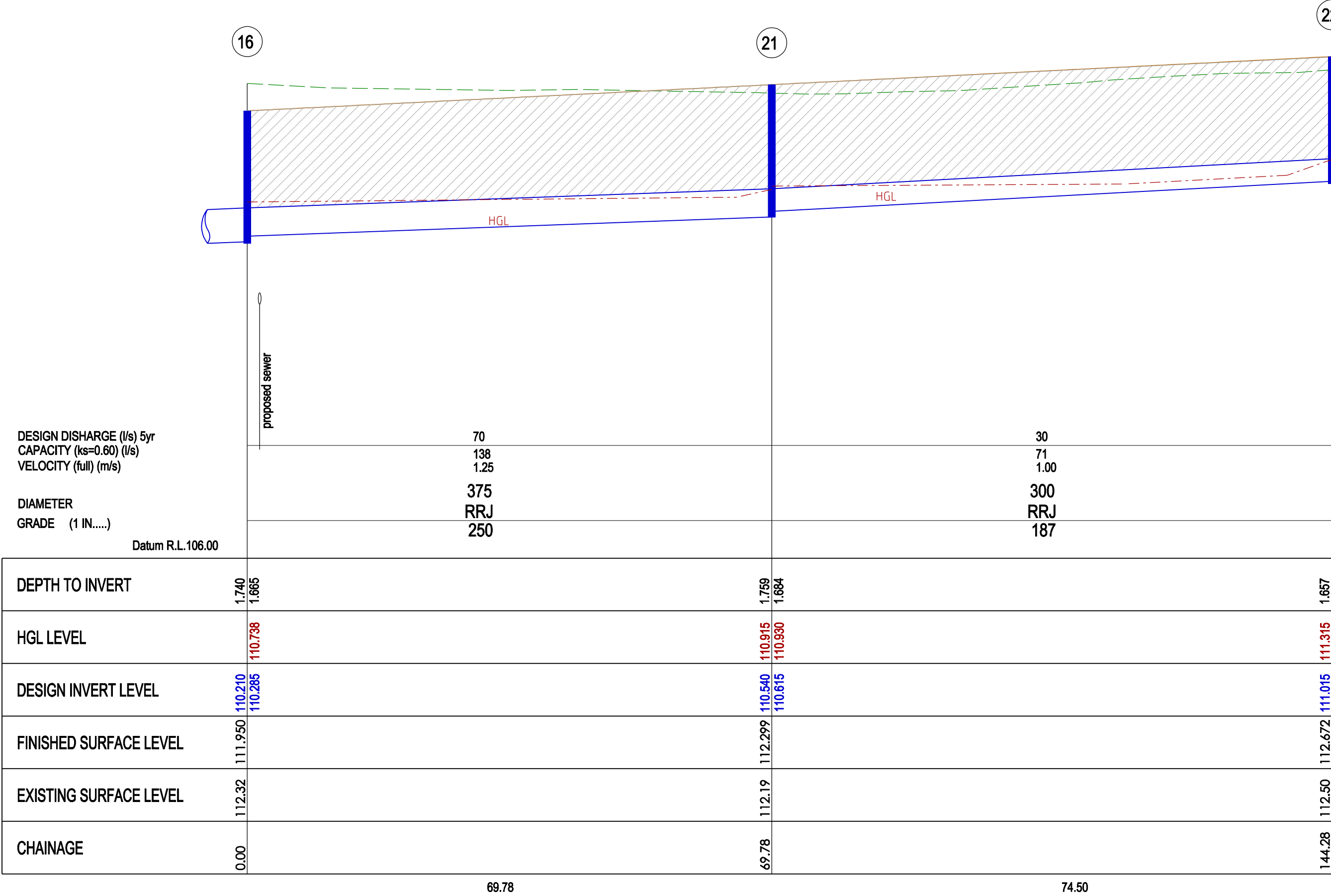
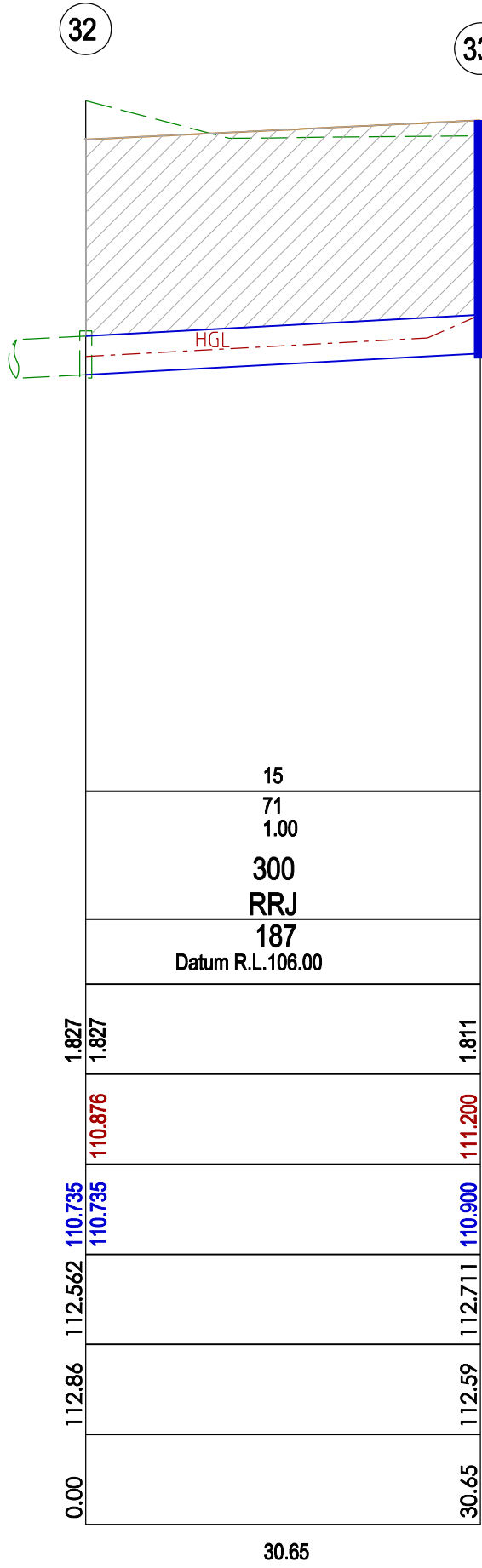
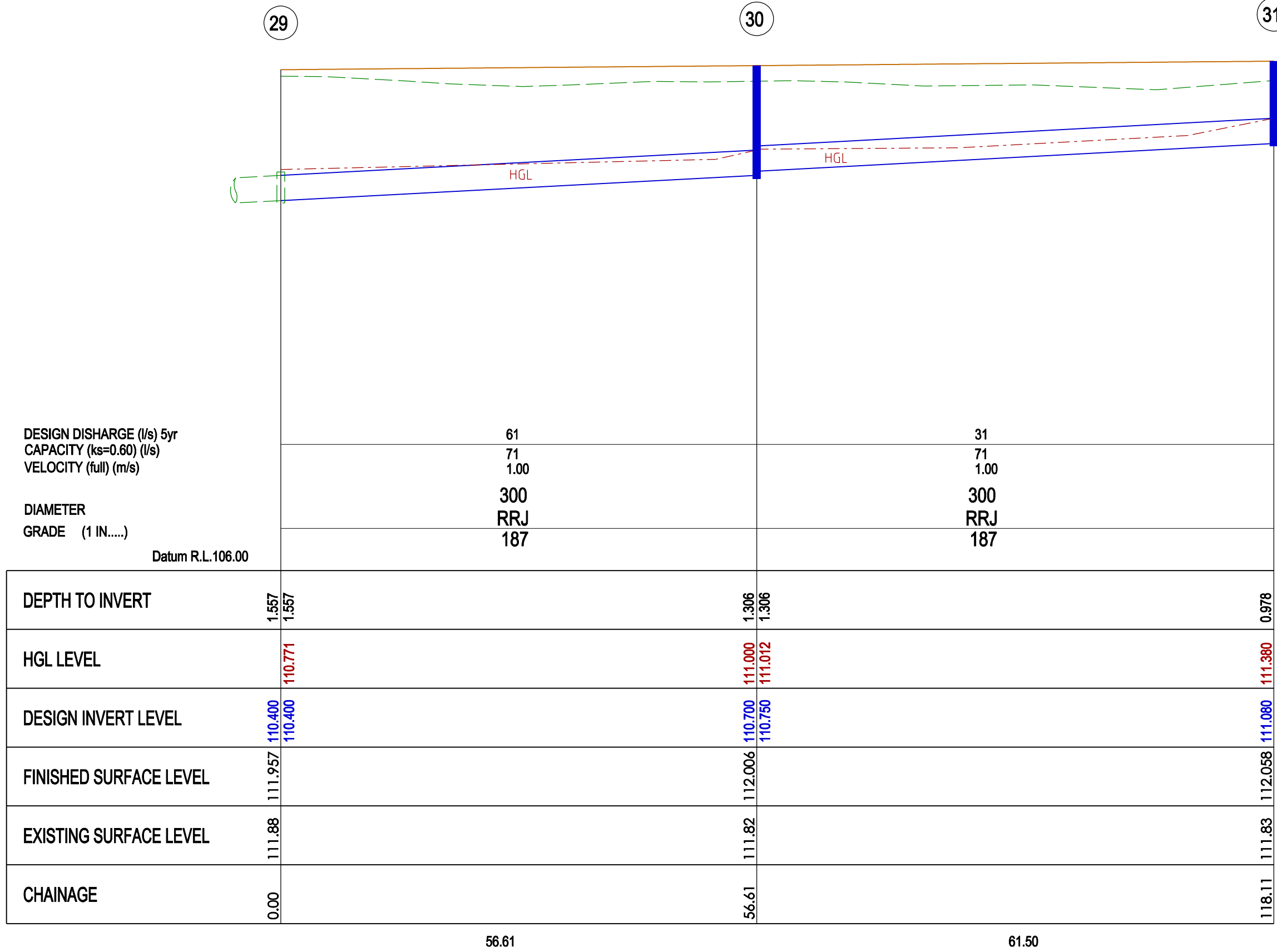
breese pitt dixon pty. ltd.

land surveyors

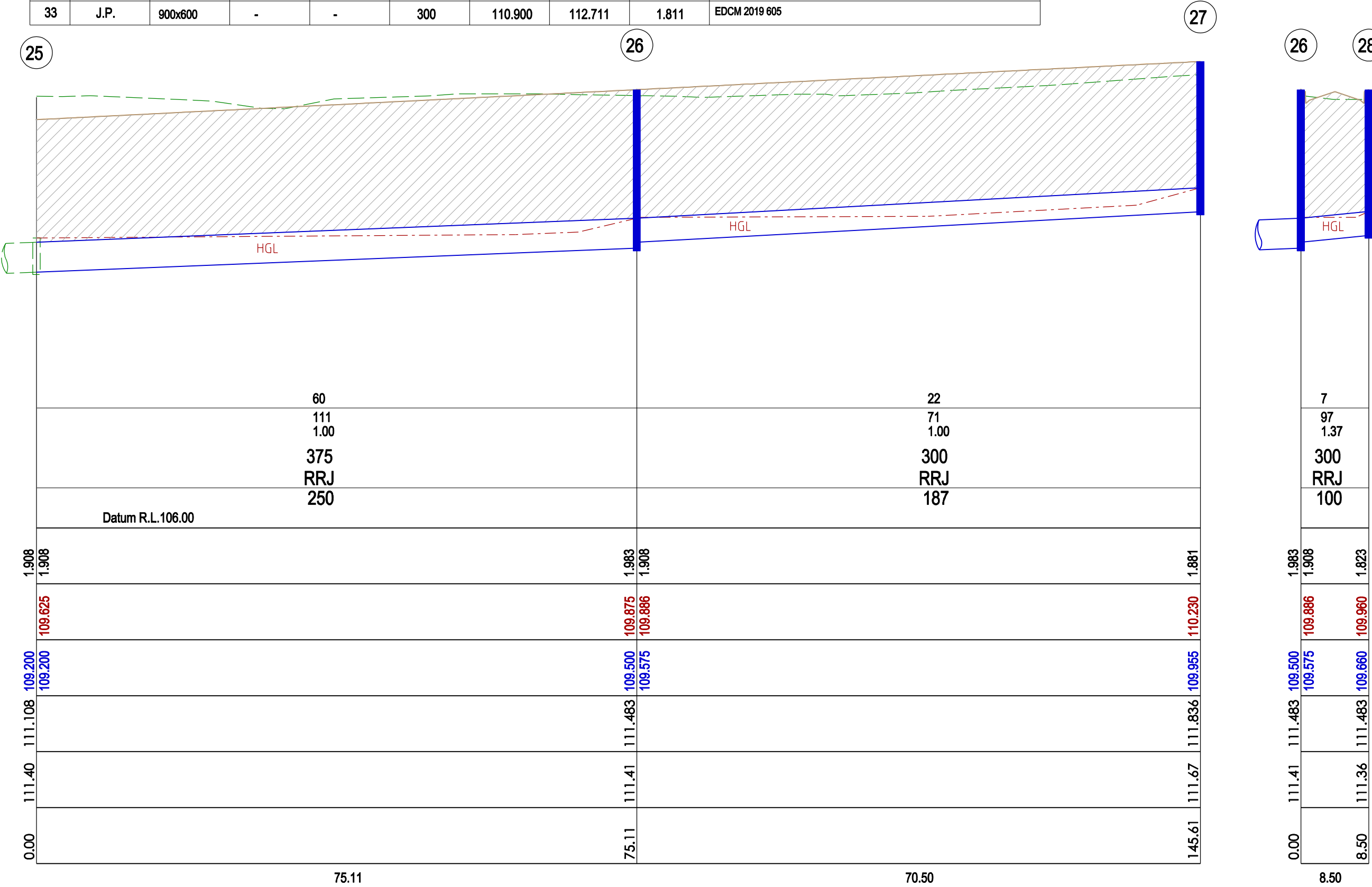
civil engineers

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





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	-*	675	108.750	Ex 675	108.750	111.134	2.384	REMOVE TEMPORARY SEAL AND CONNECT
1A	J.P.	S 900x800 H 900x1000	675	109.095	675	108.780	111.171	2.391	EDCM 2019 605 HAUNCH PIT EDCM 2019 607
2	J.P.	S 900x800 H 900x1000	675	109.410	675	109.120	111.294	2.174	EDCM 2019 605 HAUNCH PIT EDCM 2019 607
3	G.S.E.P.	S 900x800 H 900x1000	675	109.565	675	109.515	111.337	1.822	EDCM 2019 601/605 HAUNCH PIT EDCM 2019 607
4	J.P.	S 900x800 H 900x1000	525	109.890	675	109.740	111.650	1.910	EDCM 2019 605 HAUNCH PIT EDCM 2019 607
5	J.P.	S 900x800 H 900x1000	525	110.040	525	109.990	111.698	1.708	EDCM 2019 605 HAUNCH PIT EDCM 2019 607
6	END PIPE	-*	-	-	525	110.060	111.764	1.704	SEAL END OF PIPE FOR FUTURE CONNECTION
7	G.S.E.P.	900x600	300	109.605	300	109.555	111.515	1.960	EDCM 2019 601/605
8	G.S.E.P.	900x600	300	109.710	300	109.660	111.514	1.854	EDCM 2019 601/605
9	J.P.	900x600	300	109.905	300	109.855	111.631	1.776	EDCM 2019 605
10	J.P.	900x600	300	110.730	300	110.680	111.896	1.216	EDCM 2019 605
11	J.P.	900x600	-	-	300	111.000	112.107	1.107	EDCM 2019 605
12	J.P.	900x600	-	-	300	110.085	111.794	1.708	EDCM 2019 605
13	G.S.E.P.	900x600	375	109.985	375	109.935	111.337	1.402	EDCM 2019 601/605
13A	J.P.	900x600	375	110.120	375	110.070	111.379	1.309	EDCM 2019 605
13B	J.P.	900x600	-	-	375	110.220	112.350	2.130	EDCM 2019 605
14	G.S.E.P.	900x600	450	110.050	450	110.000	111.859	1.859	EDCM 2019 601/605
15	G.S.E.P.	900x600	450	110.135	450	110.085	111.859	1.774	EDCM 2019 601/605
16	J.P.	900x600	375	110.285	450	110.210	111.950	1.740	EDCM 2019 605
17	J.P.	900x600	375	110.930	375	110.880	112.266	1.366	EDCM 2019 605
18	J.P.	900x600	300	111.285	375	111.210	112.592	1.382	EDCM 2019 605
19	J.P.	900x600	300	111.678	300	111.625	112.880	1.255	EDCM 2019 605
20	EX ENDWALL	-*	EX 300	111.930	300	111.930	113.075	1.145	REMOVE EX TEMPORARY SANDBAG ENDWALL AND CONNECT DRAIN CLEAN OUT EXISTING OPEN DRAIN AND FILL
21	G.S.E.P.	900x600	300	110.615	375	110.540	112.299	1.758	EDCM 2019 601/605
22	J.P.	900x600	-	-	300	111.015	112.672	1.657	EDCM 2019 605
23	G.S.E.P.	900x600	-	-	300	110.700	112.299	1.599	EDCM 2019 601/605
24	G.S.E.P.	900x600	-	-	300	110.335	111.698	1.363	EDCM 2019 601/605
25	Ex END PIPE	-*	375	109.200	Ex 375	109.200	111.106	1.908	REMOVE TEMPORARY SEAL AND CONNECT
26	G.S.E.P.	900x600	300	109.575	375	109.500	111.483	1.983	EDCM 2019 601/605
27	J.P.	900x600	-	-	300	109.955	111.836	1.881	EDCM 2019 605
28	G.S.E.P.	900x600	-	-	300	109.660	111.483	1.823	EDCM 2019 601/605
29	Ex END PIPE	-*	300	110.400	Ex 300	111.957	111.957	1.557	REMOVE TEMPORARY SEAL AND CONNECT
30	J.P.	900x600	300	110.750	300	110.700	112.006	1.306	EDCM 2019 605
31	J.P.	900x600	-	-	300	111.080	112.058	0.978	EDCM 2019 605
32	Ex END PIPE	-*	300	110.735	Ex 300	112.562	112.562	1.827	REMOVE TEMPORARY SEAL AND CONNECT
33	J.P.	900x600	-	-	300	110.900	112.711	1.811	EDCM 2019 605



AS CONSTRUCTED

BREASE 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		MUNICIPALITY	
SURVEY B.P.D.		MELTON	
DESIGN RK		REFERENCE	
DRAWN RK		6751 E / 06	
CHECKED		SCALE AS SHOWN	
DATE		DATUM AHD	
REMARKS		DATE AUG. 20	
SHEET 14 OF 16		B	





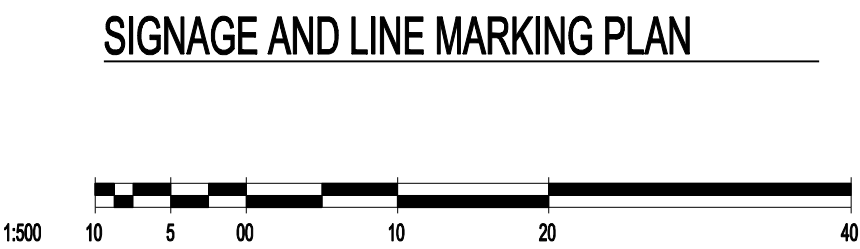
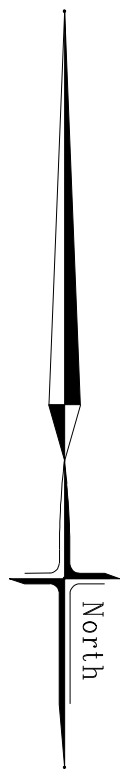
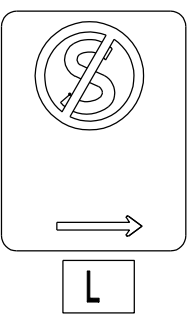
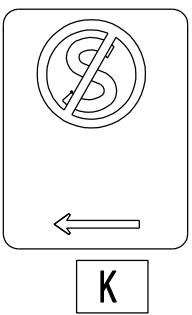
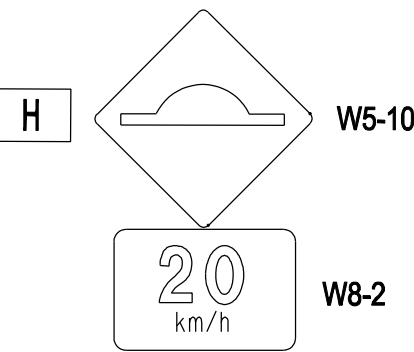
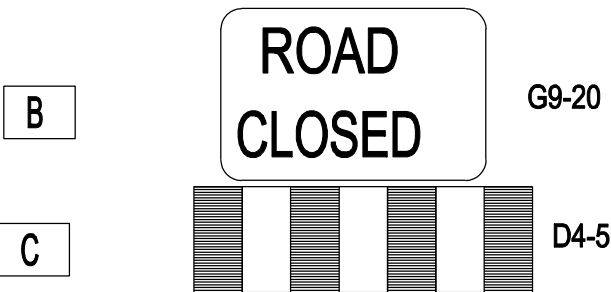
SIGN SCHEDULE

SIGN	DESCRIPTION
A	STREET NAME SIGN (BOTH FACES)
B	'ROAD CLOSED' (G9-20)
C	OBSTRUCTION MARKER (D4-5)
H	SPEED HUMP (W5-10) 20km/h (W8-2)
K	NO STANDING LEFT (R5-35L)
L	NO STANDING RIGHT (R5-35R)

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 REQUIREMNET 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

BOTH FACES	BOTH FACES
STREET NAME	STREET NAME
A	



SIGNAGE AND LINE MARKING PLAN

AS CONSTRUCTED

AMENDMENTS						breese pitt dixon pty. ltd. land surveyors civil engineers			1/19 calo street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310					
				MELWAY REF.	342-J-7	OPALIA ESTATE STAGE 6  SIGNAGE AND LINEMARKING PLAN				MUNICIPALITY				
				SURVEY	B.P.D.					MELTON				
	B	8.04.2021	PASSIVE IRRIGATION AND CONDUITS AMENDED	DESIGN	RK					REFERENCE				
A	1.02.2021	CONSTRUCTION ISSUE	DRAWN	RK	6751 E / 06									
VER.	DATE	REMARKS	CHECKED	SCALE	AS SHOWN	DATUM	AHD	DATE	AUG. 20	SHEET	15	OF	16	B



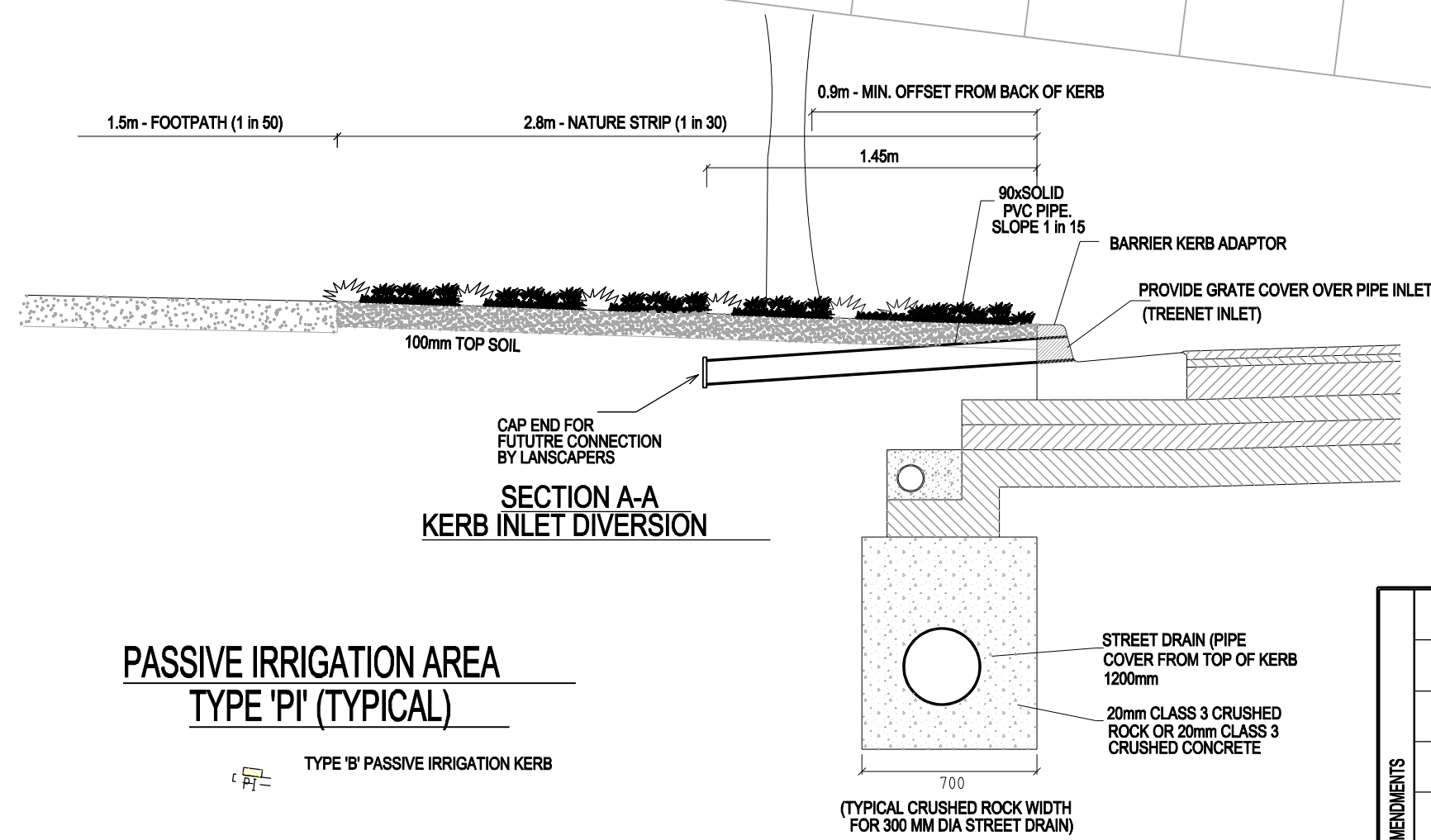
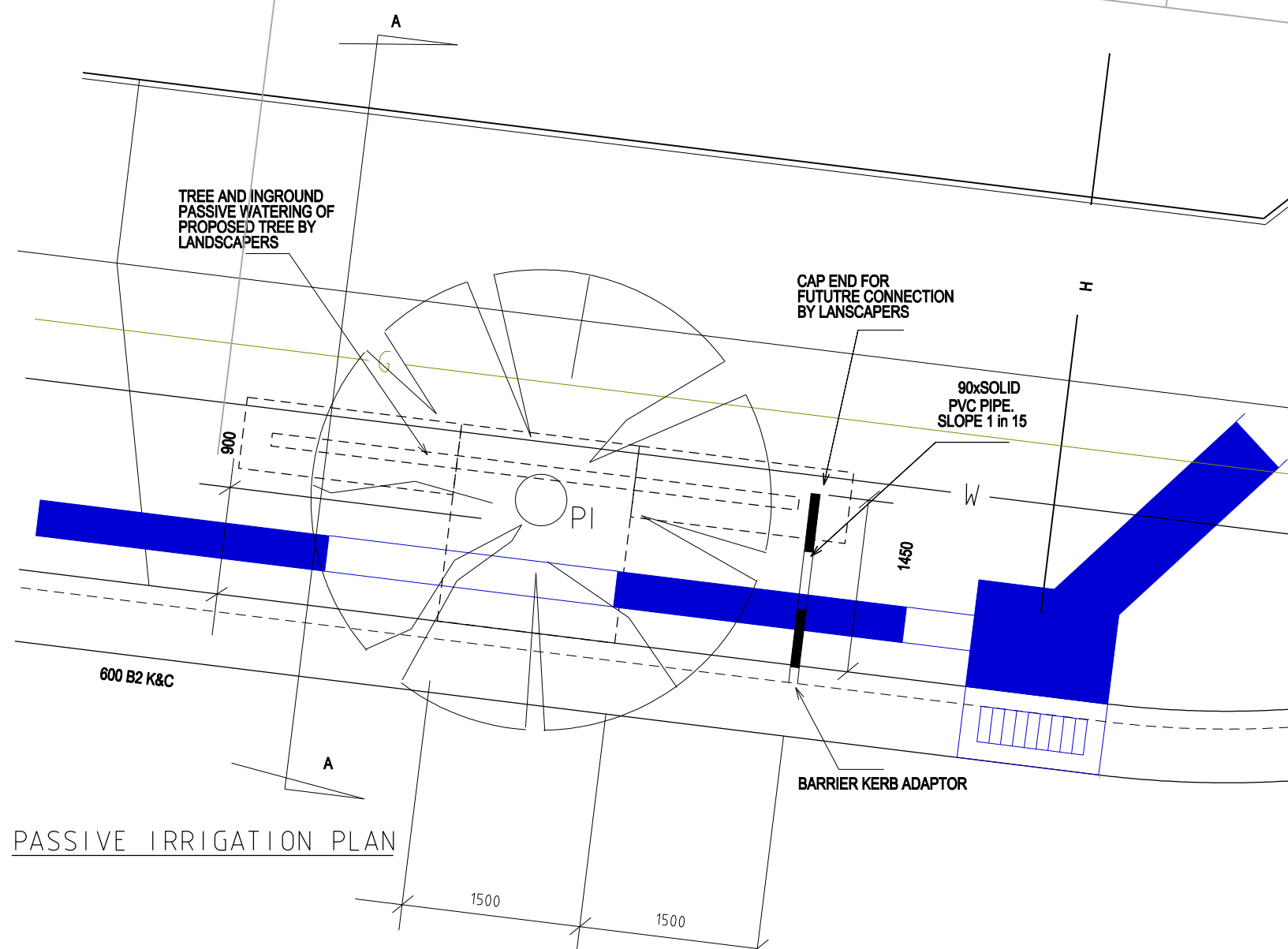
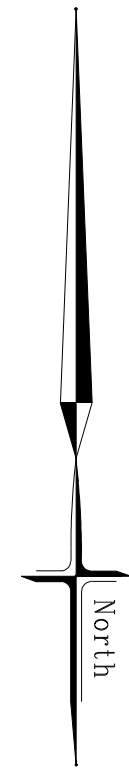
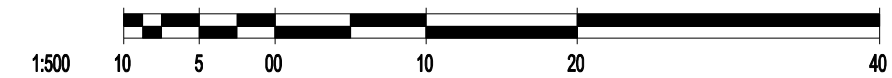
PROPOSED  
COMMUNITY CENTRE

PEGASUS DRIVE


NOVA STREET

ATHENA ROAD

PASSIVE IRRIGATION PLAN



**AS CONSTRUCTED**

AMENDMENTS			 <div><div>breese pitt dixon pty. ltd.</div><div>land surveyors</div><div>civil engineers</div></div>	1/19 calo street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310							
				MELWAY REF. 342-J-7	OPALIA ESTATE STAGE 6  PASSIVE IRRIGATION PLAN			MUNICIPALITY  MELTON			
				SURVEY B.P.D.							
				DESIGN RK				REFERENCE 6751 E / 06			
				DRAWN RK							
	B	8.04.2021		PASSIVE IRRIGATION AND CONDUITS AMENDED							
A	1.02.2021	CONSTRUCTION ISSUE									
VER.	DATE	REMARKS	CHECKED	SCALE	AS SHOWN	DATUM	AHD	DATE	AUG. 20	SHEET 16 OF 16	B