

NOTES

- 1. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH AS2124-1992 GENERAL CONDITIONS OF CONTRACT AND THE CITY OF CASEY AND VPA CURRENT SPECIFICATION AND STANDARD DRAWINGS AND TO THE SATISFACTION OF THE CITY OF CASEY 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., 225mm DIA. TO BE P.V.C. OR R.C.(RRJ), 300mm TO 750mm DIA. TO BE R.C.(RRJ) AND 825mm DIA. AND GREATER TO BE R.C.(11J). 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. 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.
- 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 LOGGED 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 EDCM703, EDCM702, EDCM703 & EDCM704.
- 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 EDCM701 & EDCM703.
- 11. AGRICULTURAL PIPE DRAINS, AS PER GAA STD DWG EDCM202, 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 GRASSSED 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 CENTRALLY AND UNDERLAIN BY 50mm OF CLASS 3 CR. REFER GAA STD DWG EDCM401.
- 23. PRAM CROSSINGS ARE TO BE CONSTRUCTED WHERE FOOTPATHS CONNECT TO THE BACK OF KERB & CHANNEL. REFER GAA STD DWG EDCM403.
- 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 CASEY 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 CONCRETE MARKS THE KERB AND FOOTPATH EXACTLY ABOVE THE CONDUIT.
- 27. TEL/STRA/NDM 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 CASEY 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 0.75m FROM SIDE BOUNDARIES AND EASEMENTS UNLESS OTHERWISE SHOWN, AND CONSTRUCTED AS PER GAA STD DWGS EDCM 501 & EDCM 502
- 32. ALL ROADS TO BE CONSTRUCTED WITH KERB & CHANNEL AS SHOWN. REFER GAA STD DWGS EDCM301 & EDCM302 AND CASEY 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: ACCESS STREET - CEDUNA ROAD (2), SCENERY DRIVE
 - a) 30mm COMPACTED DEPTH 10mm NOMINAL SIZE TYPE N ASPHALT WITH (C170 BINDER
 - b) 35mm COMPACTED DEPTH 14mm NOMINAL SIZE TYPE N ASPHALT WITH (C170 BINDER
 - c) PRIME & SEAL (SIZE 7) OR PRIMERSEAL (SIZE 7)(BOTH EMULSION SEALS)
 - d) 125mm COMPACTED DEPTH 20mm NOMINAL SIZE CLASS 2 FINE CRUSHED ROCK
 - e) 170mm COMPACTED DEPTH 40mm NOMINAL SIZE CLASS 3 FINE CRUSHED ROCK
 - f) 150mm COMPACTED DEPTH SELECT GRANULAR MATERIAL WITH A MINIMUM SOAKED CBR OF 10%

DEPTH 510mm

PAVEMENT TO CONSIST OF: ACCESS STREET - CEDUNA ROAD (1)

 - a) 40mm COMPACTED DEPTH 14mm NOMINAL SIZE TYPE N ASPHALT WITH (C320 BINDER
 - b) 75mm COMPACTED DEPTH 20mm NOMINAL SIZE TYPE S1 ASPHALT WITH (C320 BINDER
 - c) 75mm COMPACTED DEPTH 20mm NOMINAL SIZE TYPE SF ASPHALT WITH (C320 BINDER
 - d) 100mm COMPACTED DEPTH 20mm NOMINAL SIZE CLASS 2 CRUSHED ROCK
 - e) 100mm COMPACTED DEPTH 40mm NOMINAL SIZE CLASS 3 CRUSHED ROCK
 - f) 150mm COMPACTED DEPTH SELECT GRANULAR MATERIAL WITH A MINIMUM SOAKED CBR OF 10%

DEPTH 540mm

PAVEMENT NOT TO BE FOUNDED ON CLAYEY SILT OR UNCONTROLLED FILL MATERIAL SUBGRADE. PAVEMENT TO BE AS PER SPECIFICATIONS OF CARNO GEO TECHNICAL 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 SHELL OF LESS THAN 1.5%, A LIQUID LIMIT OF LESS THAN 50%, A PLASTICITY INDEX (PI) OF LESS THAN 25% AND A P₁ X 3 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 SUPERINTENDENT AND THE RELEVANT COUNCIL.

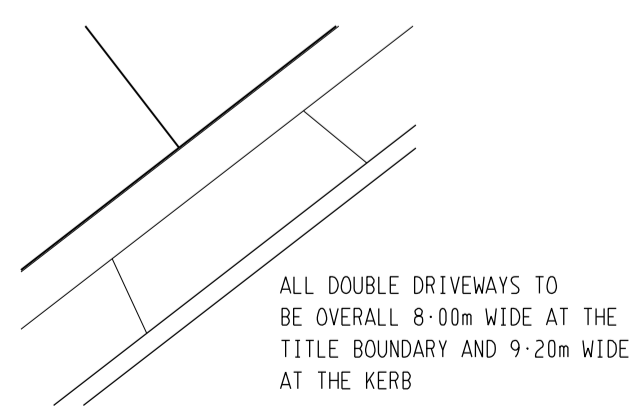
"SELECT GRANULAR MATERIAL" IS TO EXTEND TO A DISTANCE OF AT LEAST 1.0m BEHIND THE BACK OF KERB.

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.

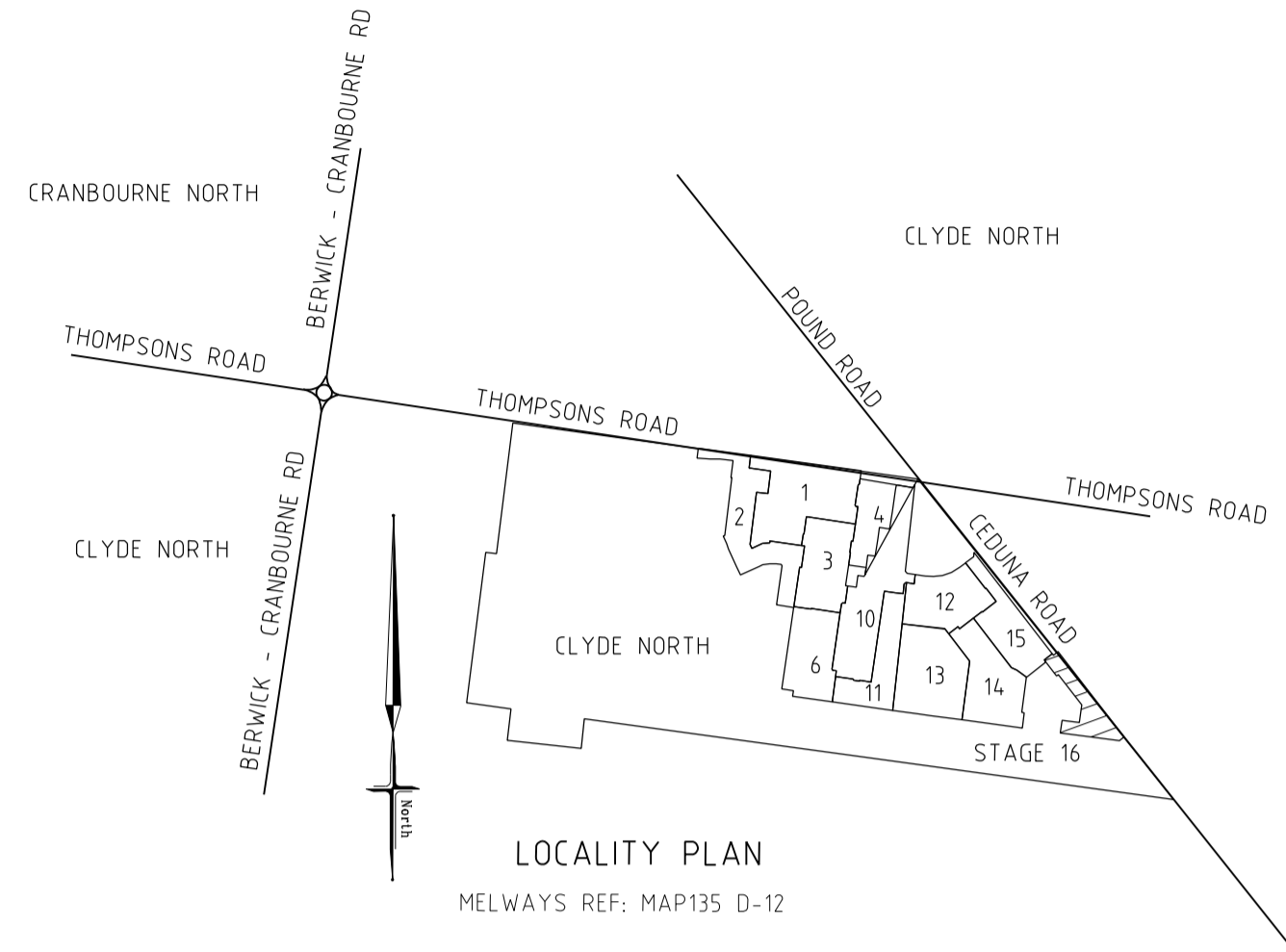
SPEED HUMP INFILLS SHOWN THUS TO CONSIST OF:

- 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

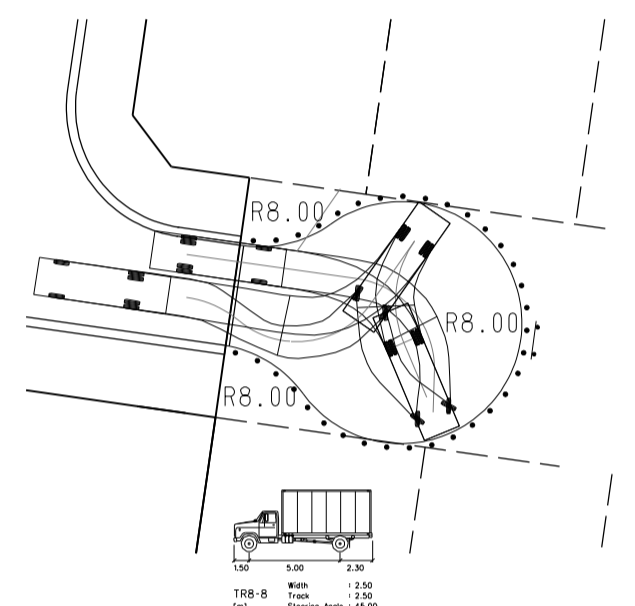
- 36. MODIFICATION OF THE PAVEMENT REQUIRES APPROVAL BY THE CITY OF CASEY WORKS SUPERVISOR.
- 37. EXISTING DAM OR WATERCOURSES TO BE EXCAVATED TO A FIRM BASE AND BACKFILLED AS SPECIFIED. DEVELOPER'S CONSULTANT TO BE NOTIFIED WHEN THE DAM OR WATERCOURSES ARE EXCAVATED TO A FIRM BASE. NO FILLING IS TO 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 CASEY COUNCIL STD DWG S-706. 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.



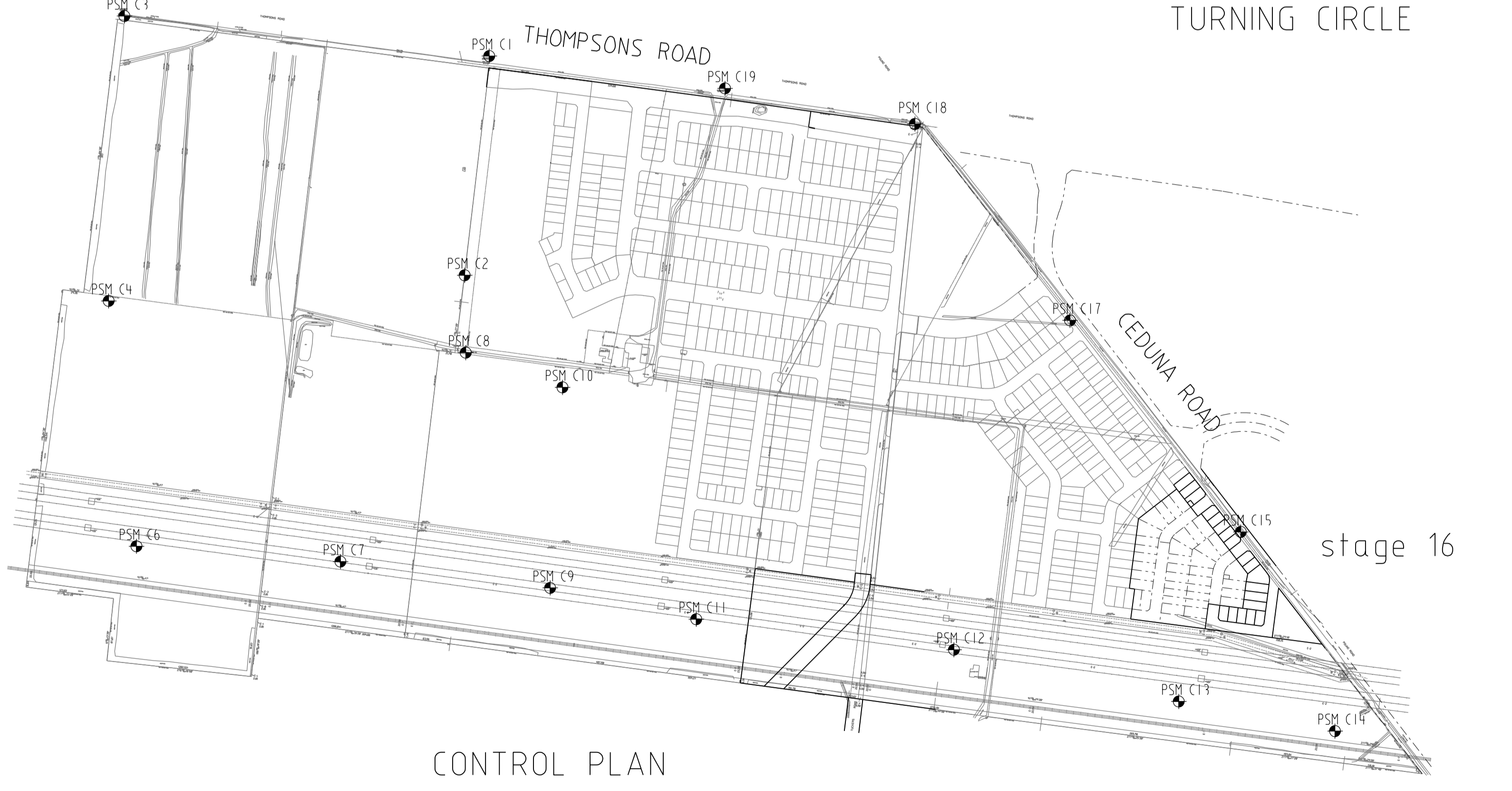
- 44. TACTILE GROUND SURFACE INDICATORS (TGS1) ARE TO BE INSTALLED AT ALL PRAM CROSSINGS AND PEDESTRIAN CROSS POINTS.REFER GAA STD DWG EDCM403.
- 45. MAXIMUM CROSSFALL ON FOOTPATHS TO BE 1in50 (30mm FOR 1.50m PATH)
- 46. AS CONSTRUCTED PLANS AND ELECTRONIC ASSET INFORMATION IN D-SPEC AND R-SPEC FORMAT MUST BE SUBMITTED TO COUNCIL PRIOR TO PRACTICAL COMPLETION
- 47. A CCTV REPORT MUST BE PROVIDED FOR ALL DRAINAGE LINES PRIOR TO ISSUE OF PRACTICAL COMPLETION
- 48. THE CROSSEOVERS 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



PSM No.	LOCAL GRID		R-L	DESCRIPTION
	NORTH	EAST		
C1	2000-000	1000-000	28-899	STAR PICKET
C2	1695-257	965-780	36-446	PEG
C3	2055-694	492-480	25-556	PIPE
C4	1659-550	470-607	26-964	PIPE
C6	1318-521	509-245	32-487	PIPE
C7	1297-165	793-017	32-267	PIPE
C8	1587-675	967-320	34-826	PIPE
C9	1260-619	1084-717	33-827	PIPE
C10	1539-465	1101-904	38-089	PIPE
C11	1217-031	1287-981	38-896	SPIKE
C12	1174-552	1046-441	46-068	SPIKE
C13	1102-750	1059-197	31-577	SPIKE
C14	1061-513	2176-471	37-240	SPIKE
C15	1338-422	2045-425	27-488	SPIKE
C17	1632-524	1807-915	27-040	SPIKE
C18	1905-634	1592-178	26-713	PM56
C19	1955-071	1327-983	38-265	PIPE



8.8 SERVICE VEHICLE TURNING CIRCLE

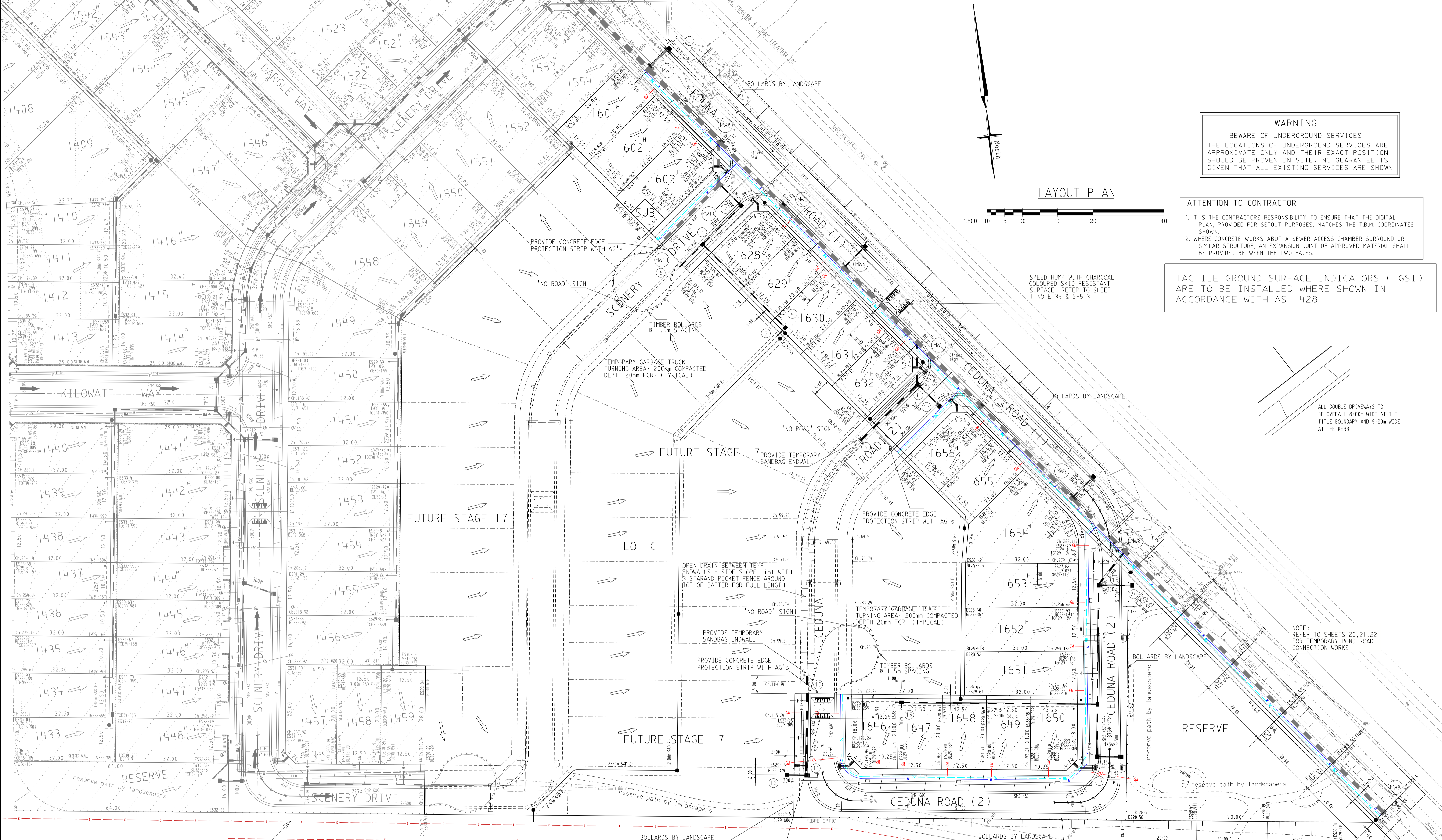


CONTROL PLAN

SHEET INDEX

SHT No.	VER	DESCRIPTION
1	F	FACE SHEET
2	F	LAYOUT PLAN 1 STAGE 16
3	F	TYPICAL CROSS SECTIONS, RETAINING WALL DETAILS, PAVEMENT DETAILS
4	F	INTERSECTION DETAILS
5	E	INTERSECTION DETAILS
6	E	CEDUNA ROAD (1) LONGITUDINAL SECTION
7	E	CEDUNA ROAD (2) LONGITUDINAL SECTION
8	E	CEDUNA ROAD (1) CROSS SECTIONS
9	E	SCENERY DRIVE LONGITUDINAL AND CROSS SECTIONS
10	E	CEDUNA ROAD (2) LONGITUDINAL SECTION
11	E	CEDUNA ROADS (2) CROSS SECTIONS
12	E	CEDUNA ROAD (2) CROSS SECTIONS
13	E	STORMWATER DRAINAGE LONGITUDINAL SECTIONS
14	E	STORMWATER DRAINAGE LONGITUDINAL SECTIONS AND PIT SCHEDULE
15	E	SIGNAGE AND LINE MARKING PLAN
16	E	LAYOUT PLAN 2 - EXTENSION OF VERDANT DRIVE
17	E	VERDANT DRIVE LONGITUDINAL AND CROSS SECTIONS
18	E	VERDANT DRIVE CROSS SECTIONS
19	E	EAST RESERVE BOUNDARY CROSS SECTIONS
20	E	POUND RD TEMPORARY CONNECTION - DETAIL PLAN,LOCALITY PLAN, NOTES
21	E	POUND RD TEMPORARY CONNECTION-LONGITUDINAL SECTION AND TYPICAL CROSS SECTION
22	E	POUND RD TEMPORARY CONNECTION-CROSS SECTIONS
		MELBOURNE WATER MAIN DRAIN DRAWINGS
1	C	LOCALITY PLAN, NOTES, STRUCTURE SCHEDULE
2	C	DETAIL PLAN
3	C	LONGITUDINAL SECTION
4	C	LONGITUDINAL SECTION STRUCTURE SCHEDULE AND DETAILS

AMENDMENTS	F	28.06.19	SHEET INDEX AMENDED		MELWAY REF. 131-C-12	SURVEY B.P.D.	DESIGN RK	DRAWN RK	CHECKED	SCALE AS SHOWN	DATUM AHD	DATE AUG. 18	SHEET 1 OF 22	F
	E	11.06.19	CONSTRUCTION EXTENT AMENDED											
	D	5.06.19	SEWER THRU FUTURE STAGE 17 ADDED											
	C	22.05.19	STAGE 16 PLAN OF SUBDIVISION AMENDED											
B	14.03.19	STAGE 16 SPLIT TO ST 16/17												
A	8.02.19	CONSTRUCTION ISSUE												
BREASE PITT DIXON PTY. LTD. land surveyors civil engineers										1/19 COTA STREET HAWTHORN EAST, 3123 TELEPHONE 8823 2300 FAX NO. 8823 2310				
MERIDIAN ESTATE STAGE 16												MUNICIPALITY CASEY		
												REFERENCE 8129 E/16		
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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

- IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT THE DIGITAL PLAN, PROVIDED FOR SETOUT PURPOSES, MATCHES THE T.B.M. COORDINATES SHOWN.
- 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.

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

ALL DOUBLE DRIVEWAYS TO BE OVERALL 8.00m WIDE AT THE TITLE BOUNDARY AND 9.20m WIDE AT THE KERB

NOTE: REFER TO SHEETS 20, 21, 22 FOR TEMPORARY POND ROAD CONNECTION WORKS

WARNING EXISTING DESALINATION OPTIC FIBRE

SERVICES OFFSETS AND LOCATIONS

STREET NAME	Rd. RESERVE	WATER		GAS	ELECTRICITY CABLES		FIBRE TO THE HOME CABLES		Bk. of KERB	JOINT TRENCHING
		DW	NDW		POLES	PITS				
CEDUNA ROAD (LOTS 1601-1654)	16.00	3.05 W	2.55 W	2.10 W	2.30 E	0.90 BOK	1.95 E	1.95 E	3.90 E	E, T/G, W
SCENERY DRIVE (LOTS 1603)	16.00	3.05 W	2.55 W	2.10 W	2.25 E	0.90 BOK	1.70	1.78 W	4.20 W	E, T/G, W
CEDUNA ROAD (ADJACENT 1632)	16.00	3.05 E	2.55 E	2.10 E	2.20 W	0.90 BOK	1.95 W	1.78 W	3.90 W	E, T/G, W
CEDUNA ROAD (LOTS 1646-1650)	14.00	2.80 N	2.30 N	1.85 N	4.10 N	0.90 BOK	3.50 N	3.50 N	6.10 N	E, T/G, W
CEDUNA ROAD (LOTS 1650-1654)	14.00	2.80 W	2.30 W	1.85 W	4.10 W	0.90 BOK	3.50 W	3.50 W	6.10 W	E, T/G, W
CEDUNA ROAD (ADJACENT 1646)	16.00	3.05 E	2.55 E	2.10 E	2.20 W	0.90 BOK	1.95 W	1.78 E	4.20 E	E, T/G, W

WARNING EXISTING DESALINATION ELECTRICITY CABLES

SPEED HUMP WITH CHARCOAL COLOURED SKID RESISTANT SURFACE. REFER TO SHEET 1 NOTE 35 & S-813.

SYMBOL LEGEND

Drains	Ex/Natural/FS Level	FS @ Building Line	Top/Toe of Batter	Property Inlet	Street Sign	PSM	Retaining Wall	Conduits 50mm	Conduits 100mm	Ex Gas/Elect/Tel
—S—S—	—S—S—	—S—S—	—S—S—	—S—S—	—S—S—	—S—S—	—S—S—	—S—S—	—S—S—	—S—S—
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AMENDMENTS	DATE	REMARKS
F	28.06.19	SERVICES OFFSETS TABLE AMENDED
E	11.06.19	CONSTRUCTION EXTENT AMENDED
D	5.06.19	SEWER THRU FUTURE STAGE 17 ADDED
C	22.05.19	STAGE 16 PLAN OF SUBDIVISION AMENDED
B	14.03.19	STAGE 16 SPLIT TO ST 16/17
A	8.02.19	CONSTRUCTION ISSUE

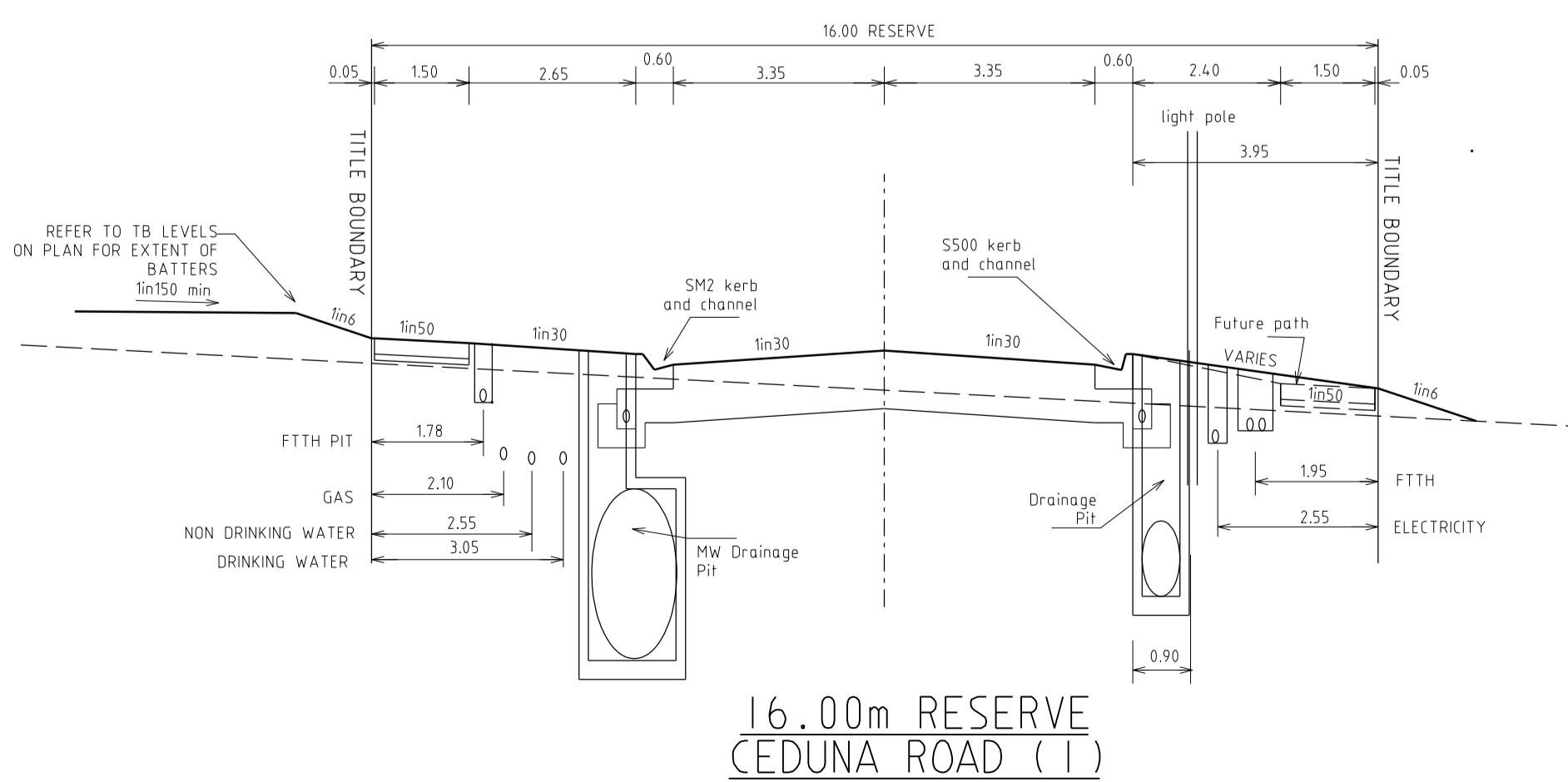
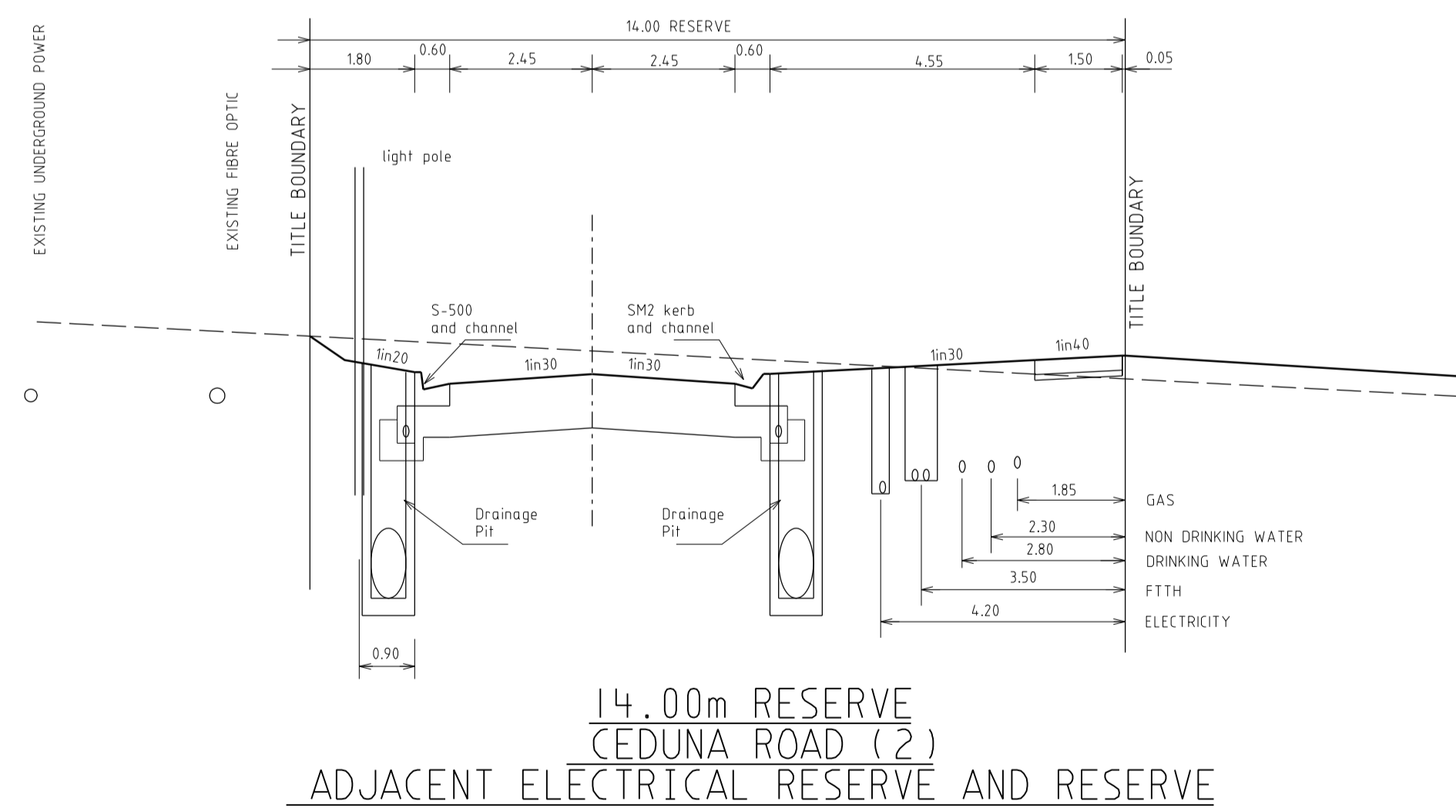
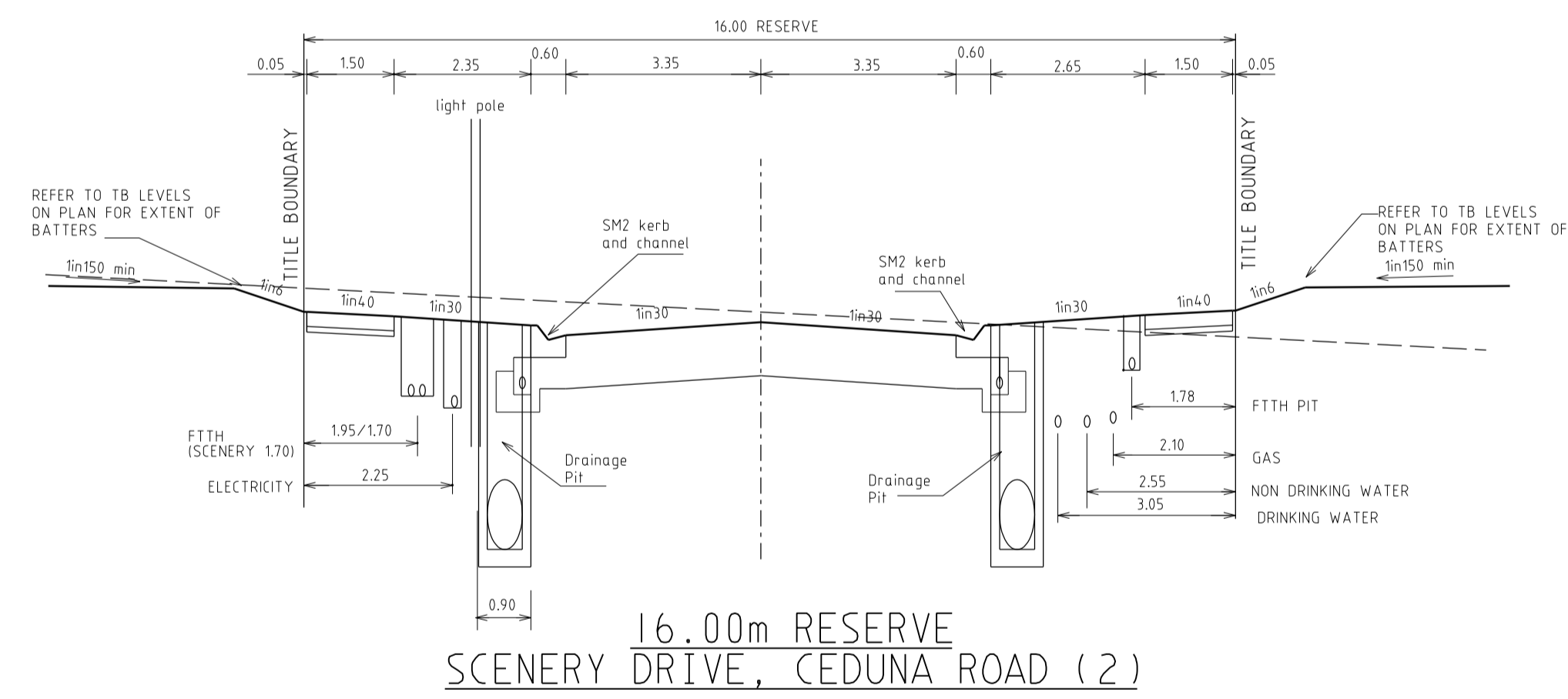
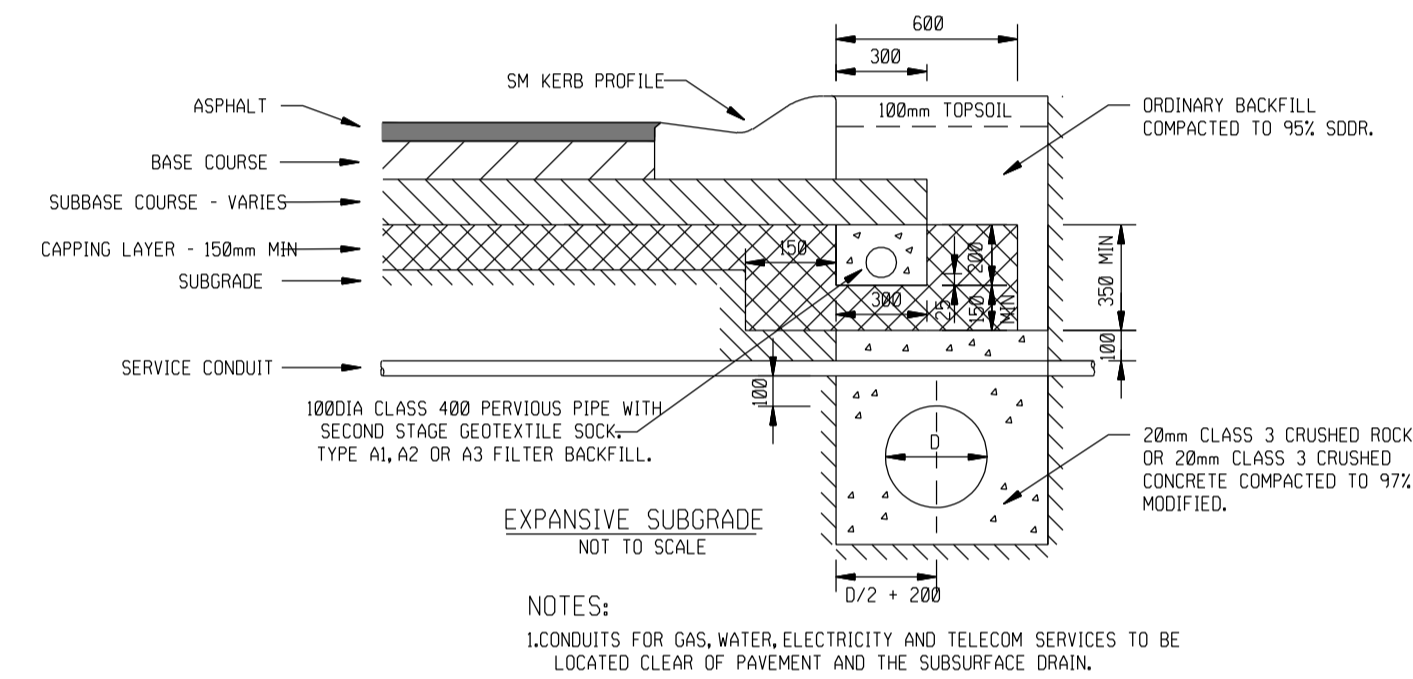
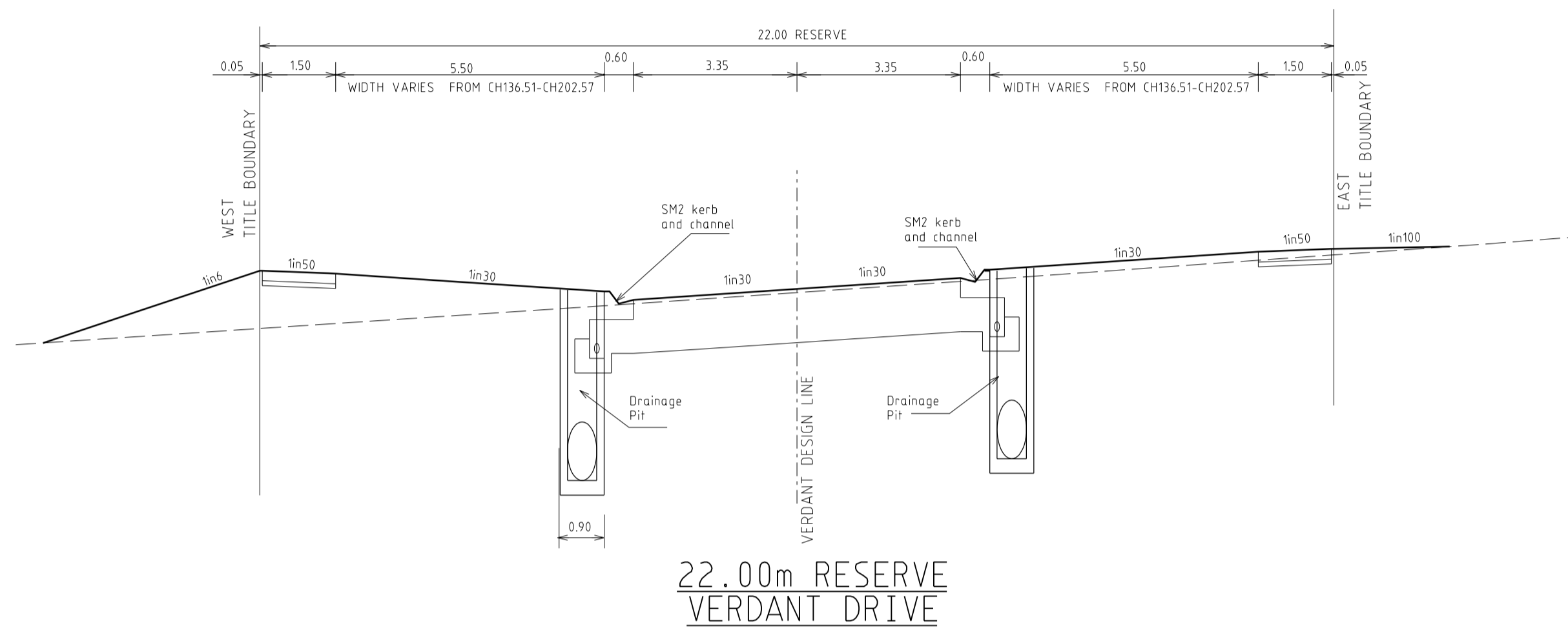
breese pitt dixon pty. ltd.
 land surveyors civil engineers

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

MERIDIAN ESTATE STAGE 16

MUNICIPALITY: CASEY
 REFERENCE: 8129 E/16

SCALE: AS SHOWN DATUM: AHD DATE: AUG. 18 SHEET: 2 OF 22



						breese pitt dixon pty. ltd. land surveyors civil engineers		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
AMENDMENTS	F	28.06.19	SERVICES OFFSETS SCENERY DR AMENDED	MELWAY REF.	131-C-12	MERIDIAN ESTATE STAGE 16		MUNICIPALITY CASEY	
	E	11.06.19	CONSTRUCTION EXTENT AMENDED	SURVEY	B. P. D.				
	C	22.05.19	STAGE 16 PLAN OF SUBDIVISION AMENDED	DESIGN	RK				
	B	14.03.19	STAGE 16 SPLIT TO ST 16/17	DRAWN	RK				
A	8.02.19	CONSTRUCTION ISSUE	CHECKED			SCALE	AS SHOWN	DATUM	AHD
VER	DATE	REMARKS		DATE	AUG. 18	DATE	AUG. 18	SHEET	3 OF 22

CURVE SETOUT (LIP B1-B2)
Rad. 8.600
Angle 90°00'00"
Arc 13.509
Chord 12.162
a 2.519
b 0.655
c 0.123

CURVE SETOUT (LIP D1-D2)
Rad. 8.600
Angle 90°00'00"
Arc 13.509
Chord 12.162
a 2.519
b 0.655
c 0.123

CURVE SETOUT (LIP F1-F2)
Rad. 26.24
Angle 45°11'43"
Arc 20.694
Chord 20.162
a 2.014
b 0.508
c 0.136

CURVE SETOUT (LIP E1-E2)
Rad. 26.85
Angle 45°11'43"
Arc 20.933
Chord 20.406
a 2.015
b 0.508
c 0.127

CURVE SETOUT (LIP A1-A2)
Rad. 8.600
Angle 90°00'00"
Arc 13.509
Chord 12.162
a 2.519
b 0.655
c 0.123

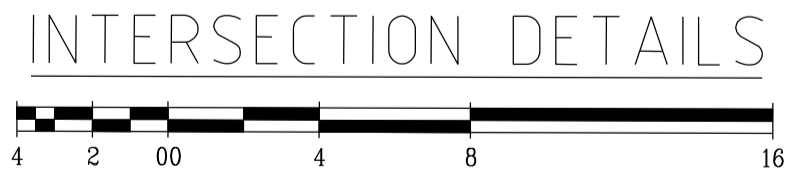
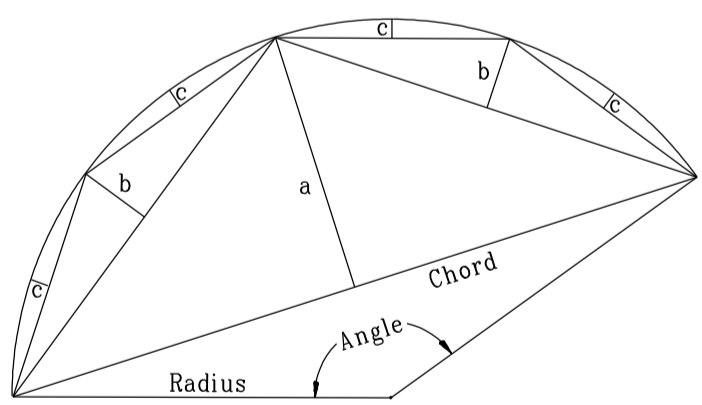
CURVE SETOUT (LIP C1-C2)
Rad. 8.600
Angle 90°00'00"
Arc 13.509
Chord 12.162
a 2.519
b 0.655
c 0.123

CURVE SETOUT (LIP G1-G2)
Rad. 10.000
Angle 90°00'00"
Arc 15.708
Chord 14.142
a 2.929
b 0.761
c 0.192

CURVE SETOUT (LIP H2-H3)
Rad. 9.000
Angle 90°00'00"
Arc 14.137
Chord 12.728
a 2.636
b 0.685
c 0.173

WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THE IR 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



SYMBOL LEGEND	
Drains	Ex/Natural/FS Level -4528-57
Sewer <300	FS @ Building Line 8L28-570
Sewer >300	Top/Toe of Batter 10228-570
Water	Top Ret. Wall Level 1028-57
House Drain	100yr Flood Level FL28-57
Property Inlet	Fill Prop/Ex
Street Sign	Cut Prop/Ex
PSM	
Retaining Wall	
Conduits 50mm	
Conduits 100mm	
Ex Gas/Elect/Tel	

VER	DATE	REMARKS	CHECKED
F	28.06.19	SCENERY DRIVE FTTH OFFSET AMENDED	
E	11.06.19	CONSTRUCTION EXTENT AMENDED	
C	22.05.19	STAGE 16 PLAN OF SUBDIVISION AMENDED	
B	14.03.19	STAGE 16 SPLIT TO ST 16/17	
A	8.02.19	CONSTRUCTION ISSUE	

breese pitt dixon pty. ltd.
land surveyors civil engineers

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MELWAY REF. 131-C-12

SURVEY B.P.D.

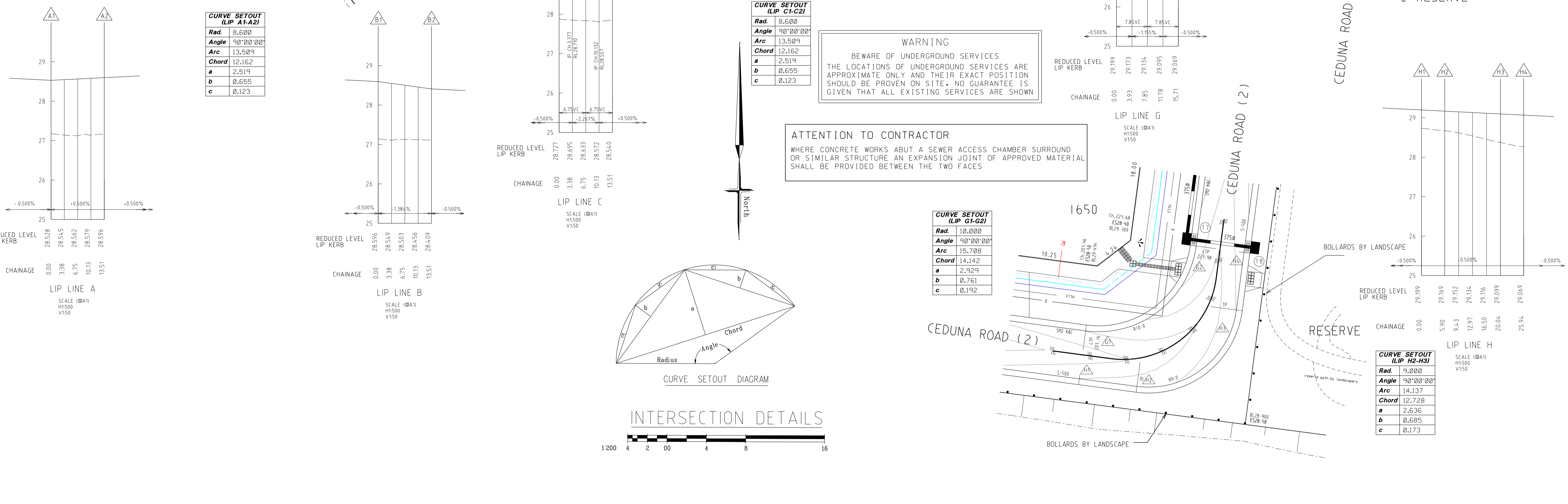
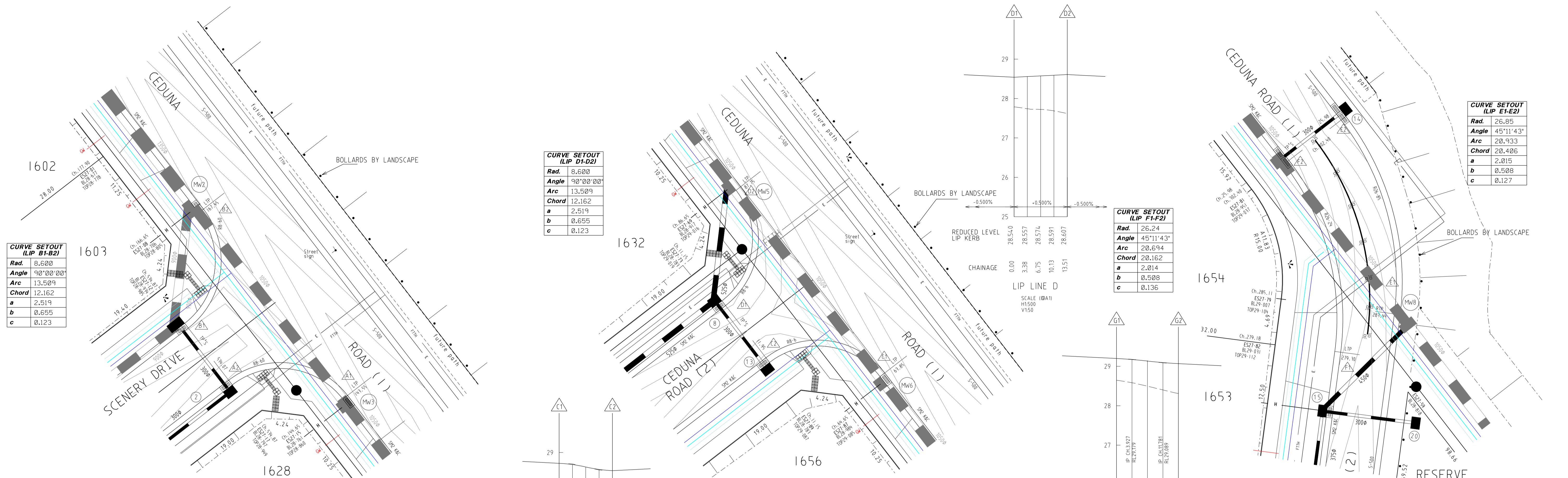
DESIGN RK

DRAWN RK

SCALE AS SHOWN DATUM AHD DATE AUG. 18 SHEET 4 OF 22

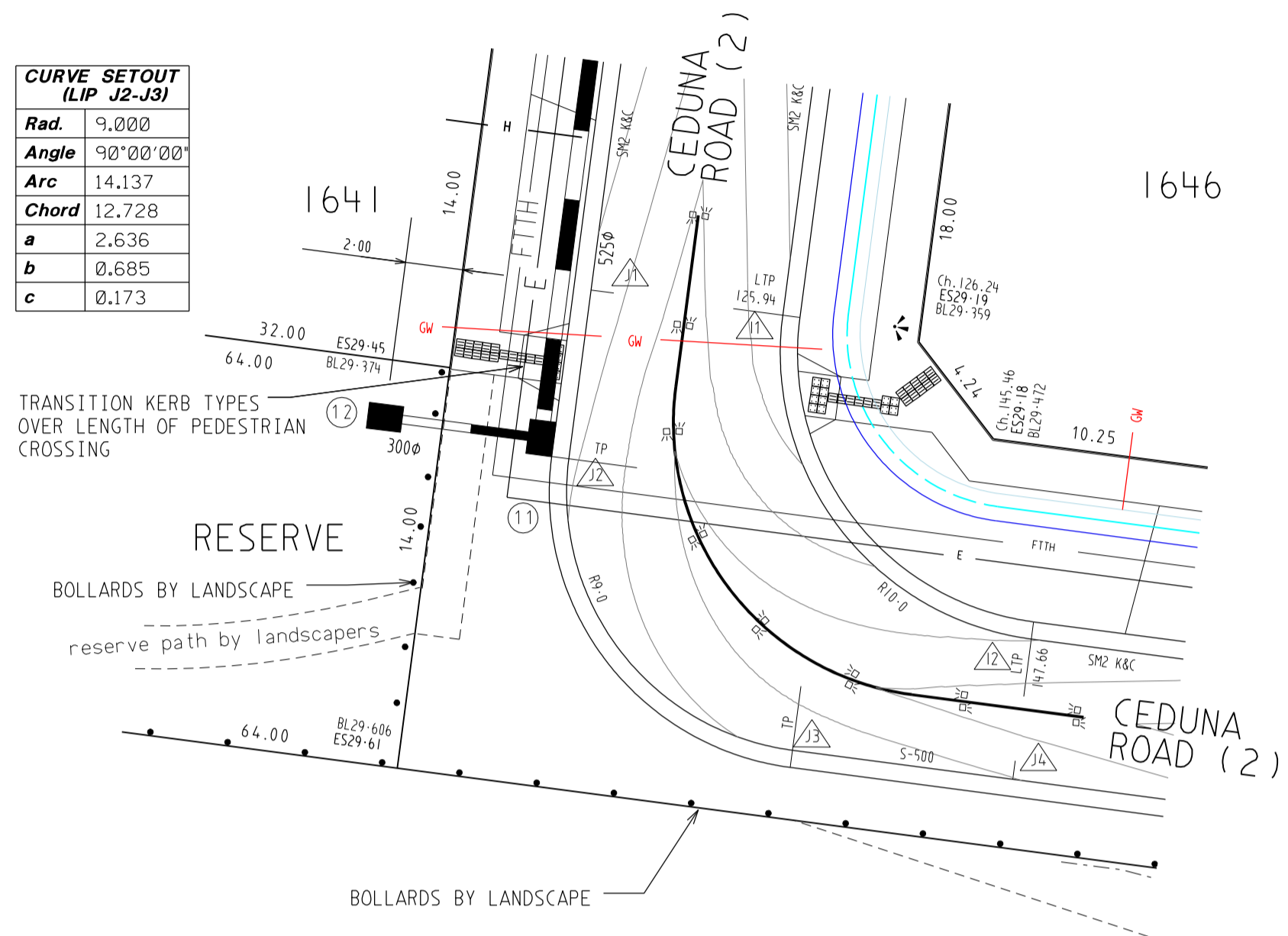
MUNICIPALITY CASEY

REFERENCE 8129 E/16

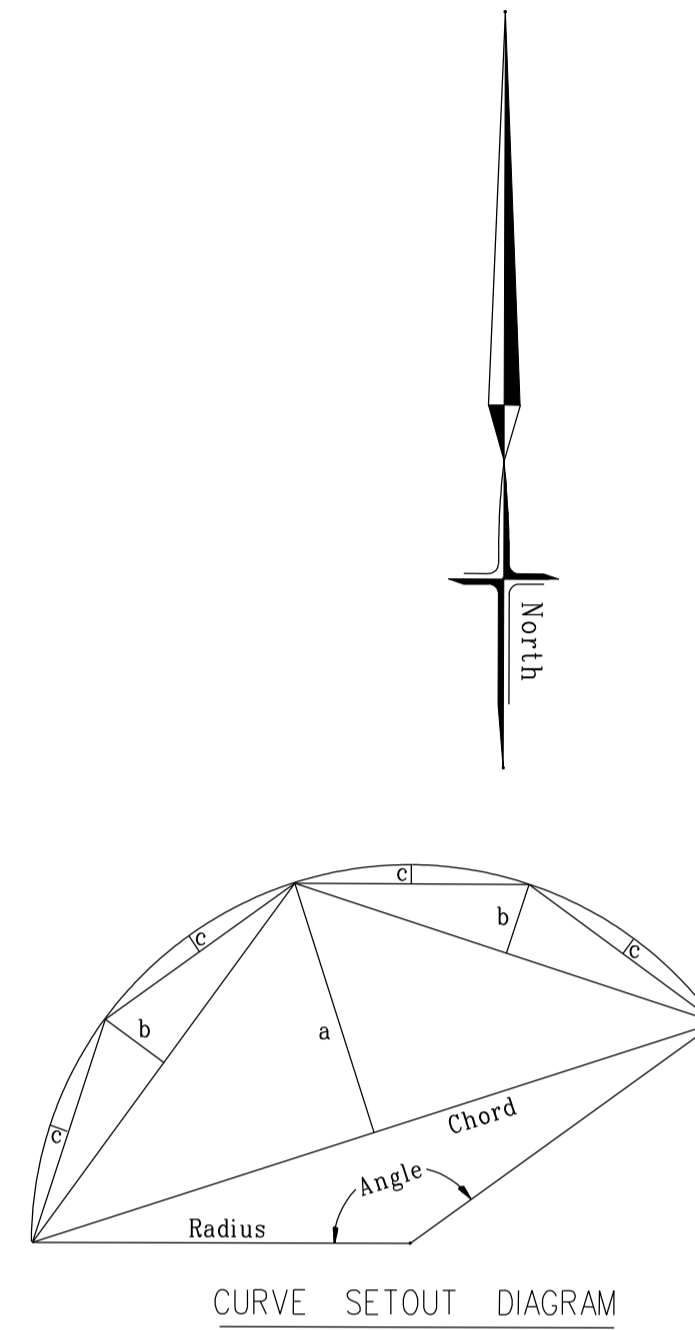


Plot No: 28/2019/2018

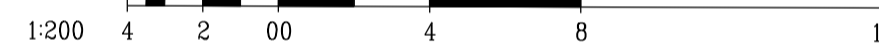
CURVE SETOUT (LIP J2-J3)	
Rad.	9.000
Angle	90°00'00"
Arc	14.137
Chord	12.728
a	2.636
b	0.685
c	0.173



CURVE SETOUT (LIP I1-I2)	
Rad.	10.000
Angle	90°00'00"
Arc	15.708
Chord	14.142
a	2.929
b	0.761
c	0.192

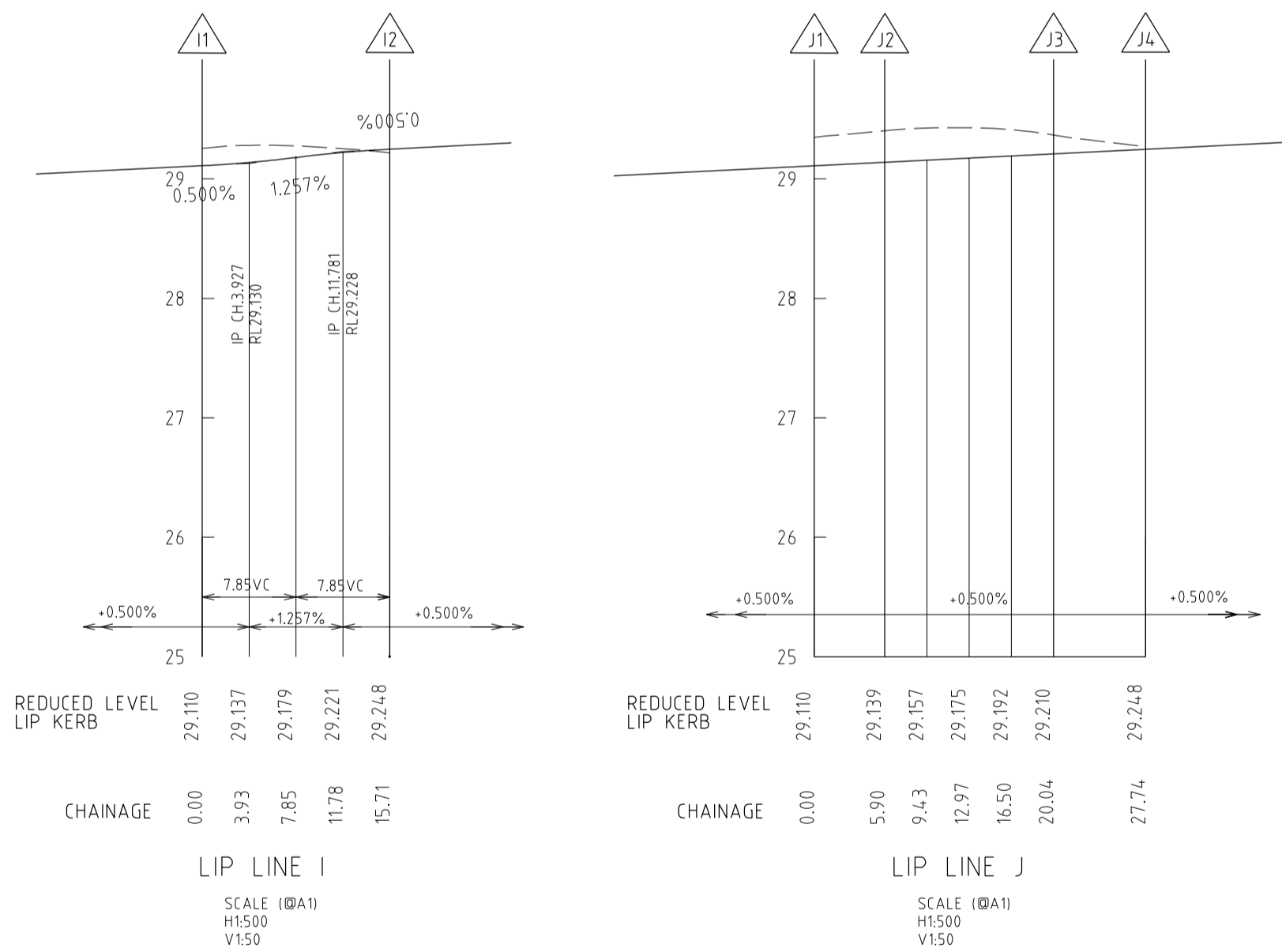


INTERSECTION DETAILS



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

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

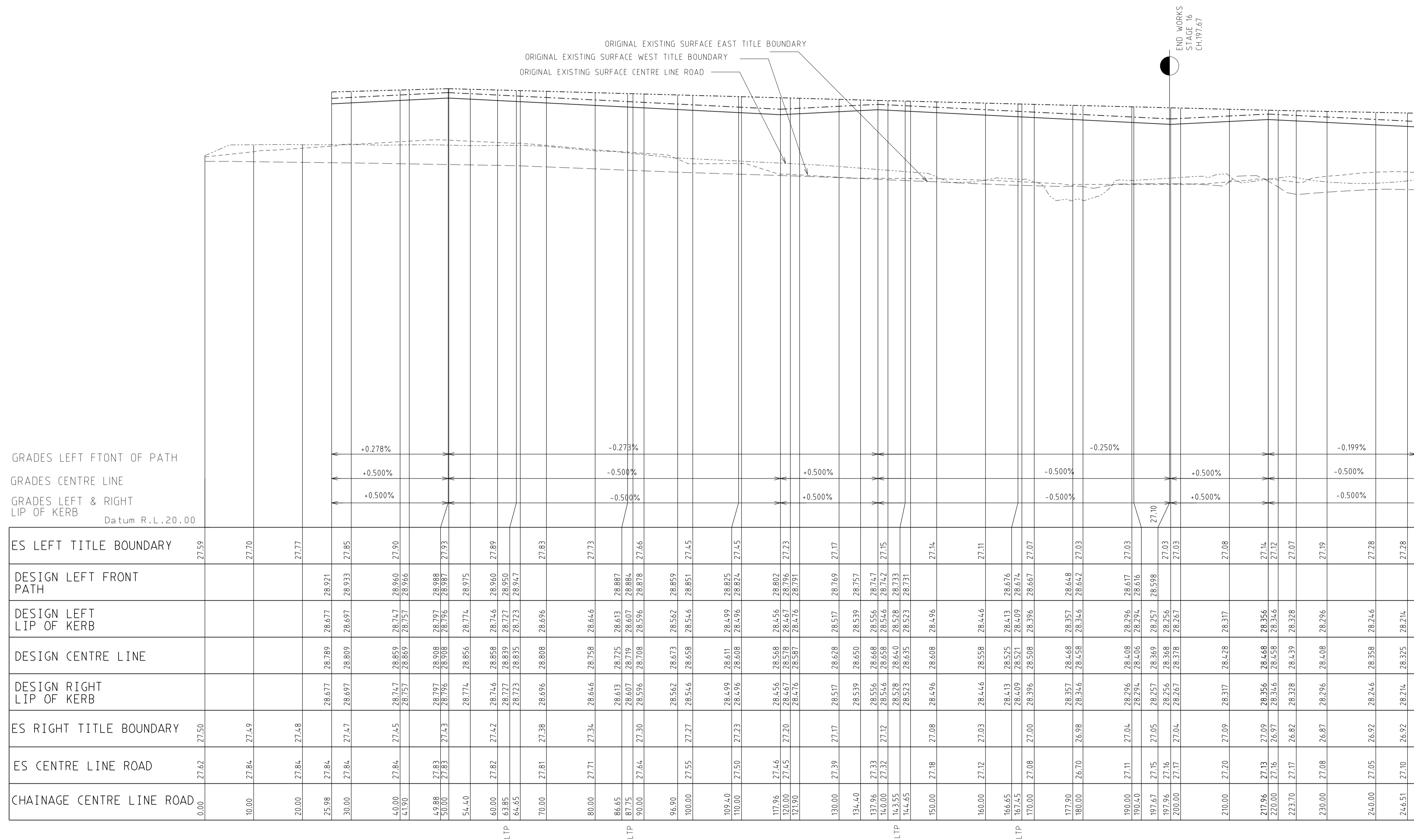


SYMBOL LEGEND	
Drains	—S—S—S—S—
Sewer <300	—S—S—S—S—
Sewer >300	—S—S—S—S—
Water	—W—W—W—W—
House Drain	—H—H—H—H—
Property Inlet	—P—P—P—P—
Street Sign	—S—S—S—S—
PSM	—P—P—P—P—
Retaining Wall	—R—R—R—R—
Conduits 50mm	—C—C—C—C—
Conduits 100mm	—C—C—C—C—
Ex Gas/Elect/Tel	—G—E—T—
Ex/Natural/FS Level	+E528-51
FS @ Building Line	BL28-510
Top/Toe of Batter	TOP28-510
Top Ret. Wall Level	TR28-51
100yr Flood Level	FL28-51
Fill Prop/Ex	—F—F—F—F—
Cut Prop/Ex	—C—C—C—C—

AMENDMENTS		MELWAY REF.		MUNICIPALITY	
VER	DATE	REMARKS	CHECKED	SCALE AS SHOWN	DATUM AHD
E	11.06.19	CONSTRUCTION EXTENT AMENDED	131-C-12	DATE	AUG. 18
C	22.05.19	STAGE 16 PLAN OF SUBDIVISION AMENDED	SURVEY B.P.D.	SHEET	5 OF 22
B	14.03.19	STAGE 16 SPLIT TO ST 16/17	DESIGN RK	REFERENCE	8129 E/16
A	8.02.19	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

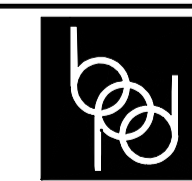
MERIDIAN ESTATE
STAGE 16
MUNICIPALITY CASEY
REFERENCE 8129 E/16



CEDUNA ROAD (1) LONGITUDINAL SECTION

SCALE Hor. 1:50
Vert 1:50

AMENDMENTS		MELWAY REF.		MUNICIPALITY	
E	11.06.19	CONSTRUCTION EXTENT AMENDED	131-C-12	CASEY	
C	22.05.19	STAGE 16 PLAN OF SUBDIVISION AMENDED	SURVEY B.P.D.	REFERENCE	
B	14.03.19	STAGE 16 SPLIT TO ST 16/17	DESIGN RK	8129 E/16	
A	8.02.19	CONSTRUCTION ISSUE	DRAWN RK	SHEET 6 OF 22 E	
VER.	DATE	REMARKS	CHECKED	SCALE AS SHOWN	DATUM AHD
				DATE AUG. 18	



breese pitt dixon pty. ltd.
land surveyors civil engineers

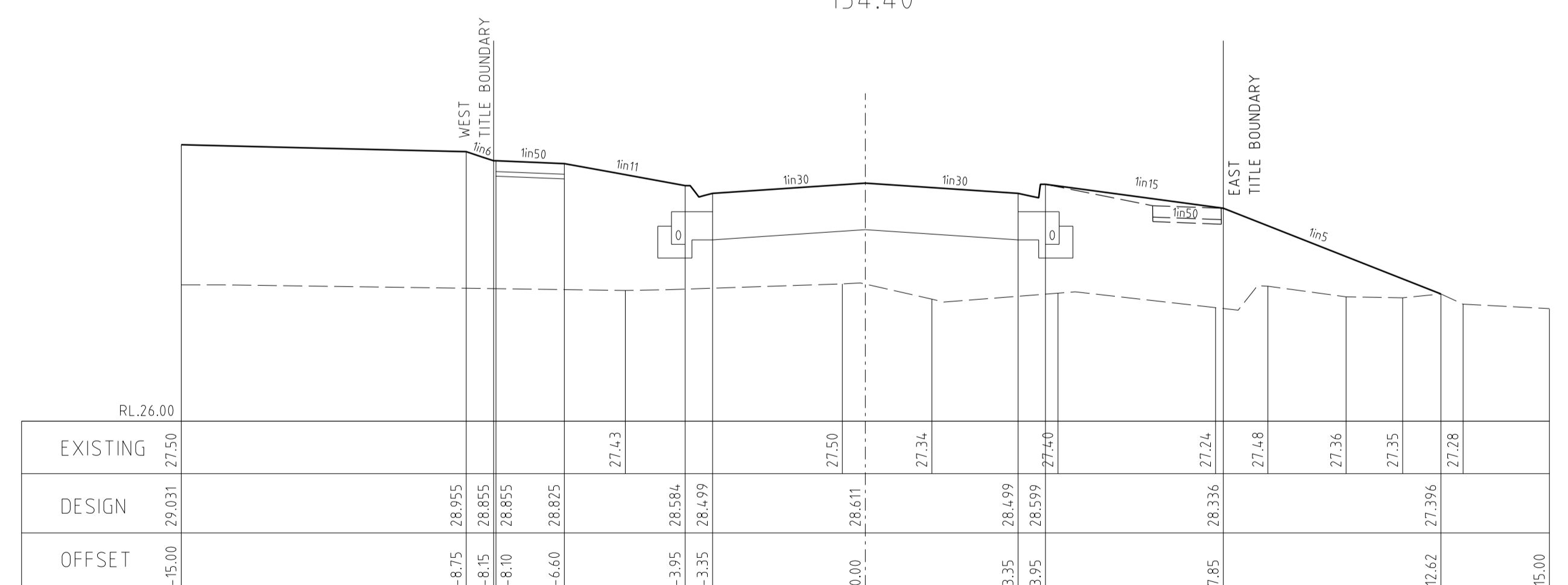
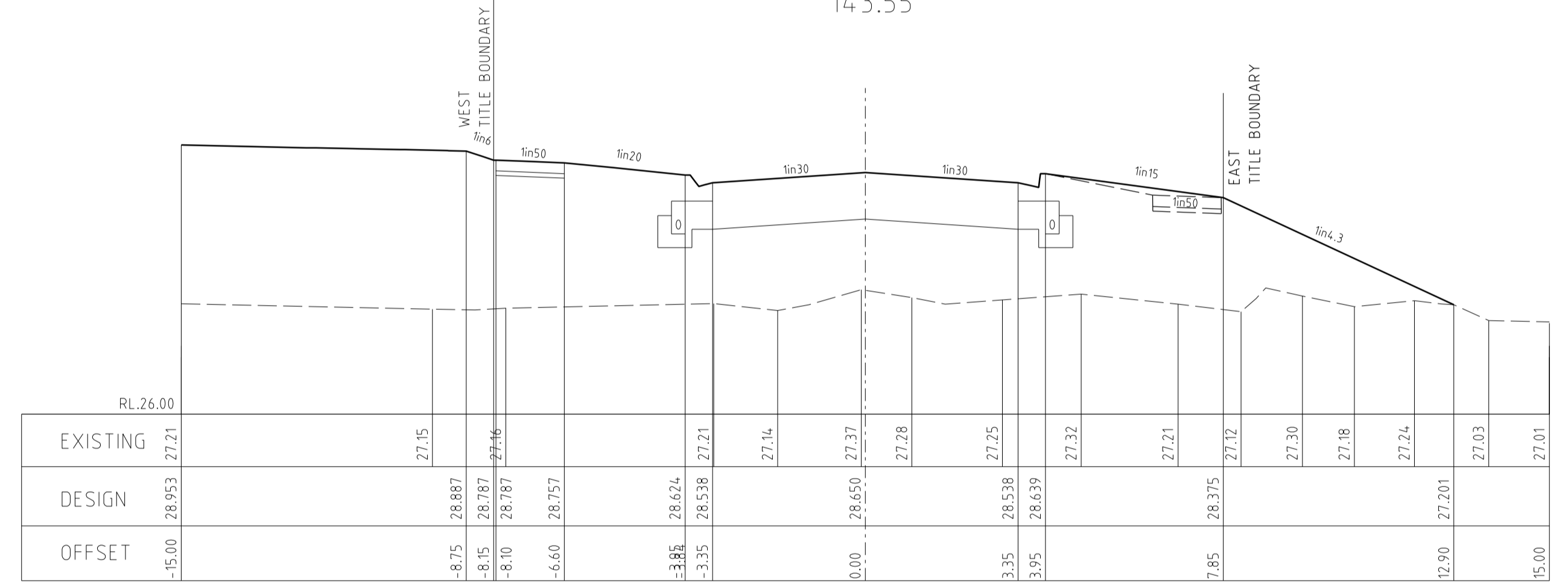
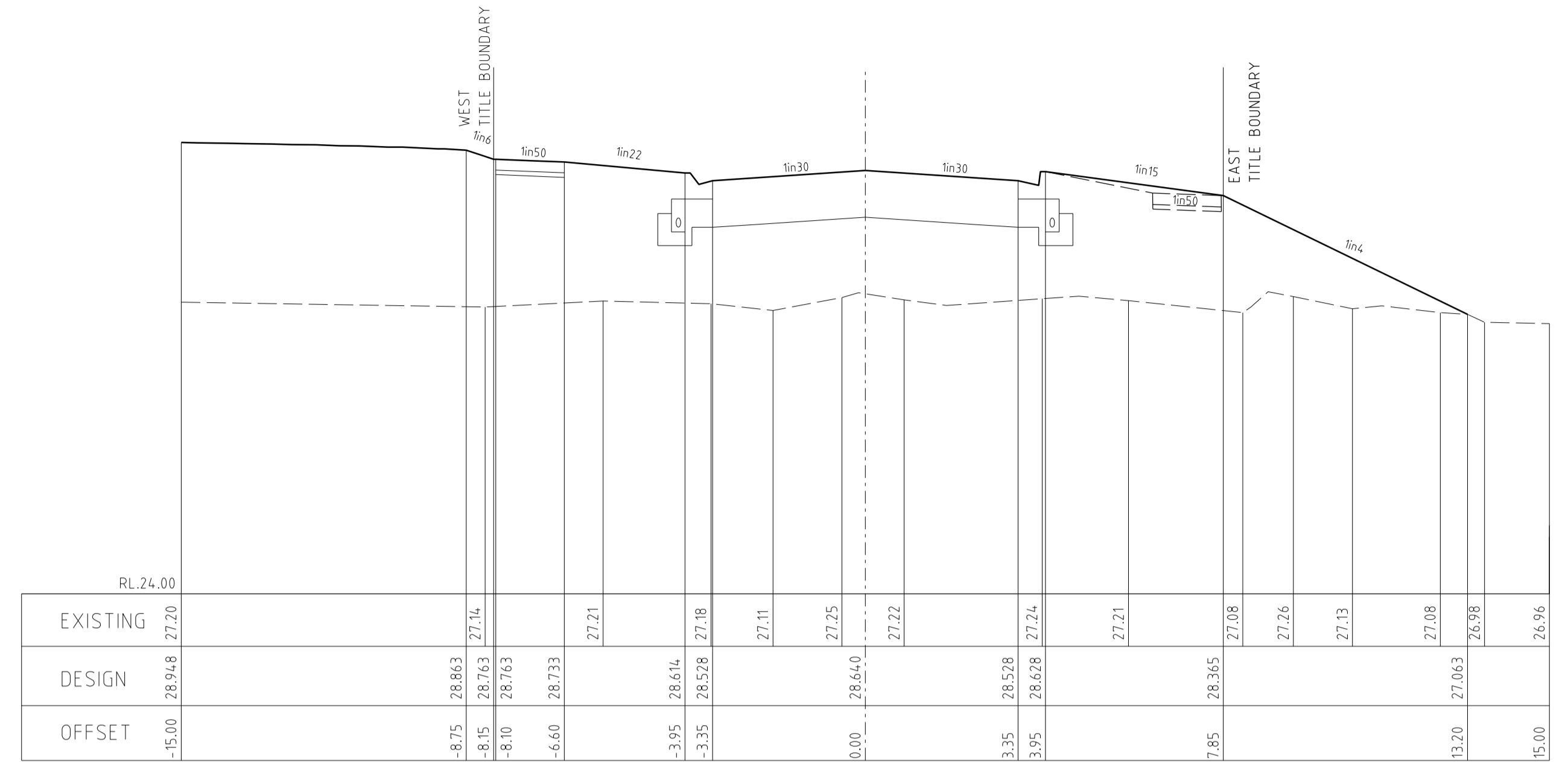
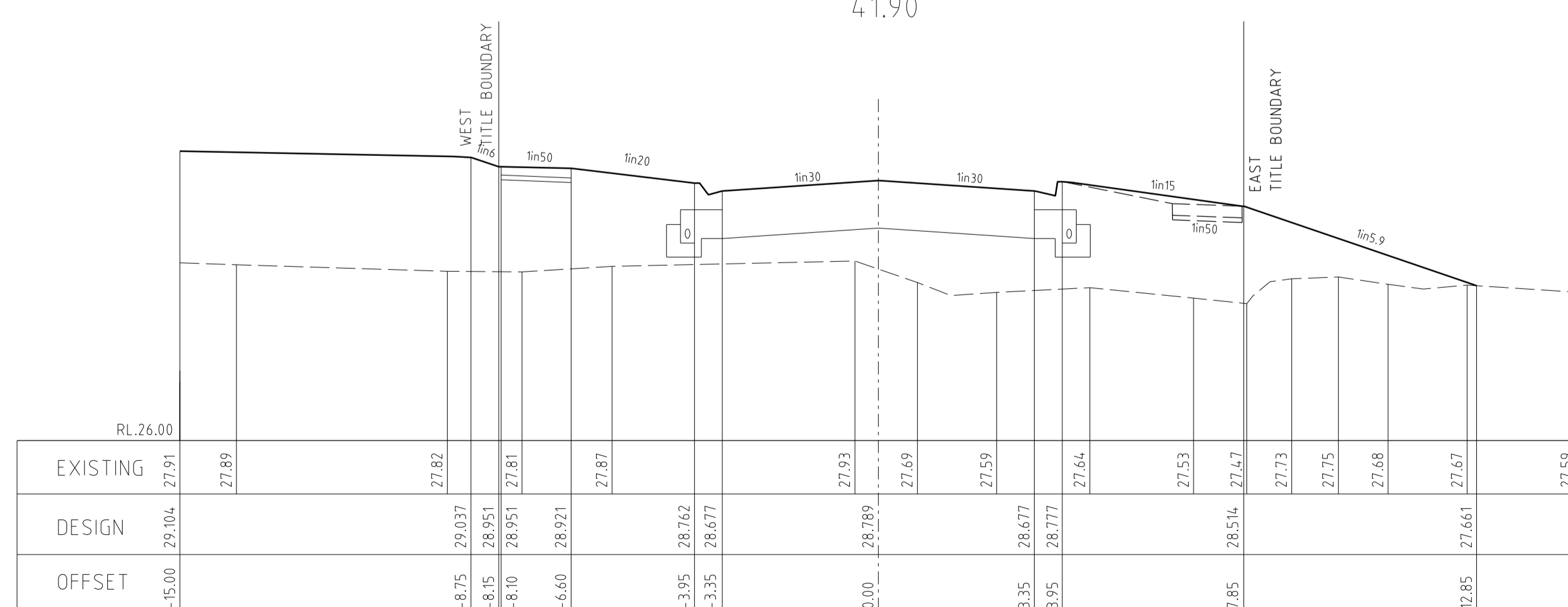
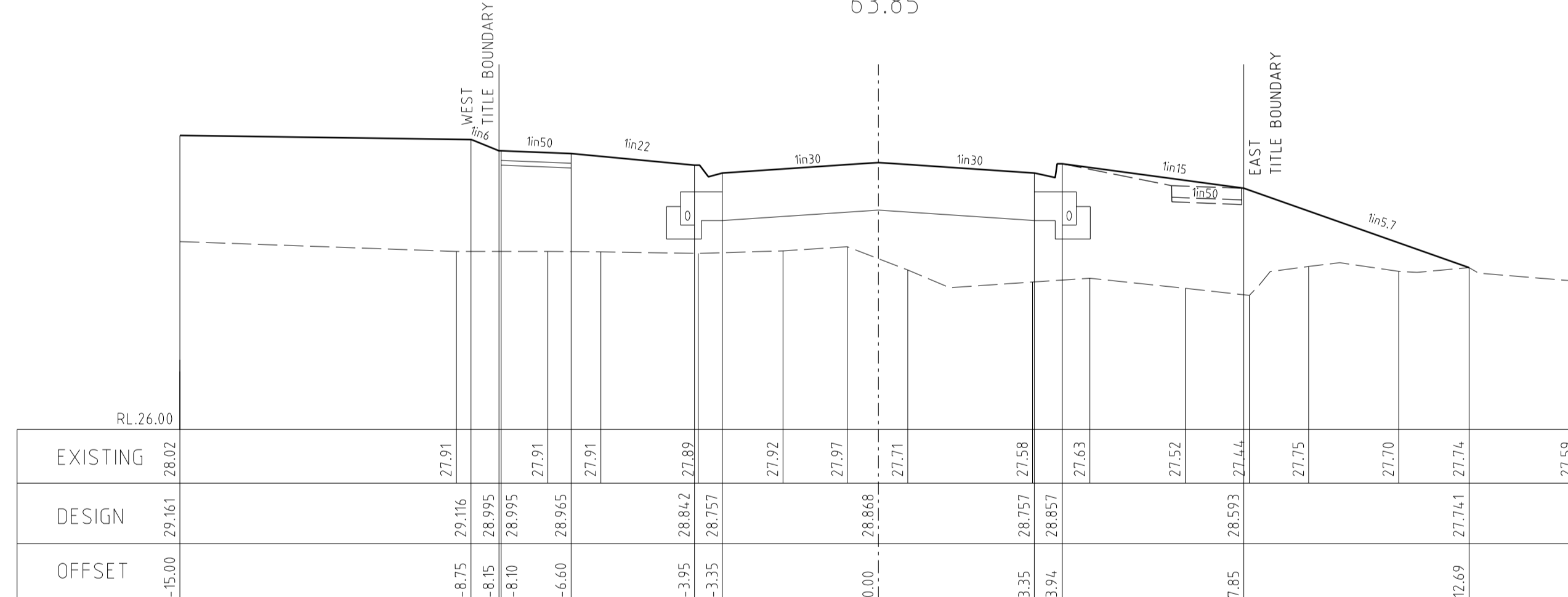
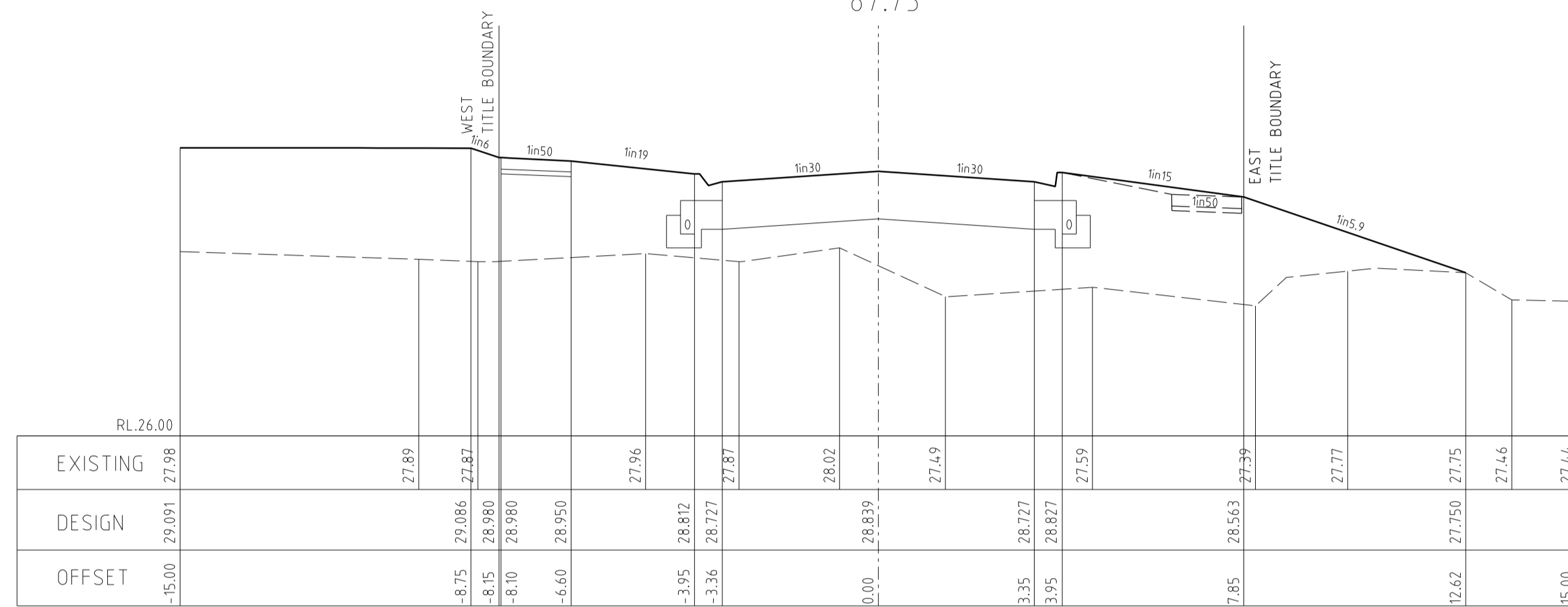
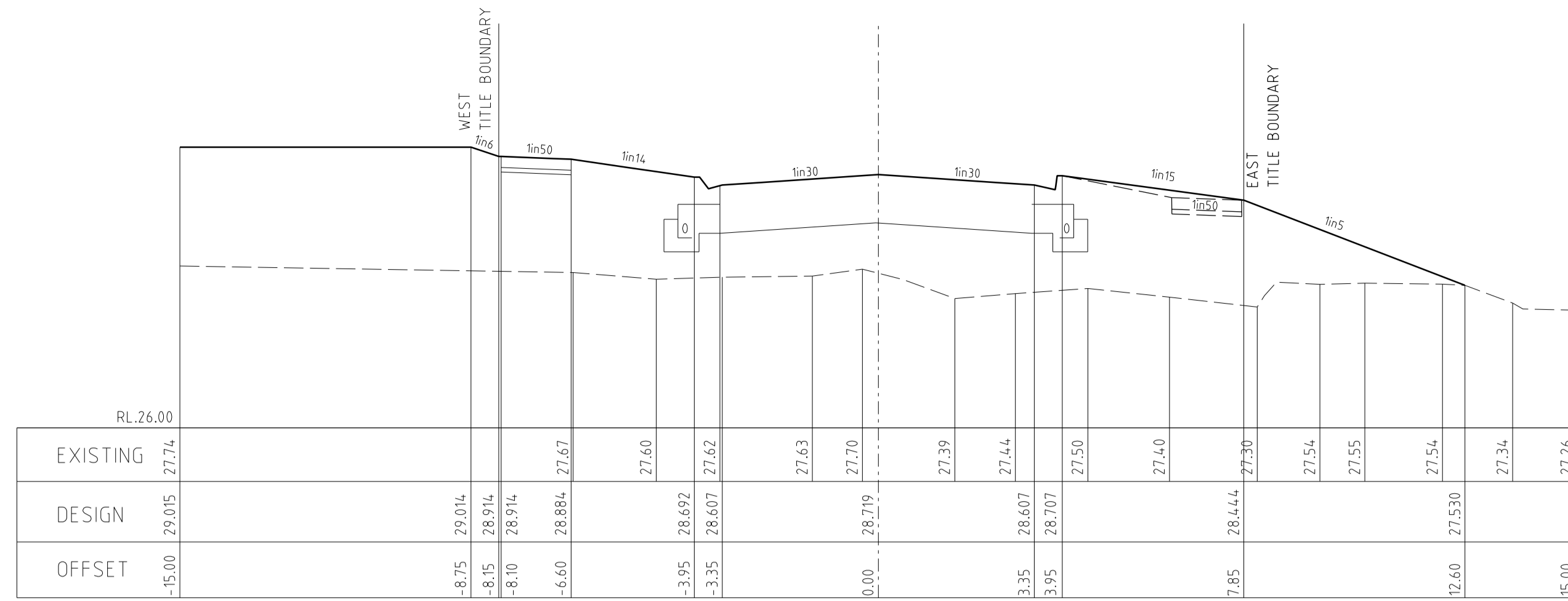
1/19 coto street
hawthorn east, 3123
telephone 8823 2300
fax no. 8823 2310

MERIDIAN ESTATE
STAGE 16

MUNICIPALITY
CASEY

REFERENCE
8129 E/16

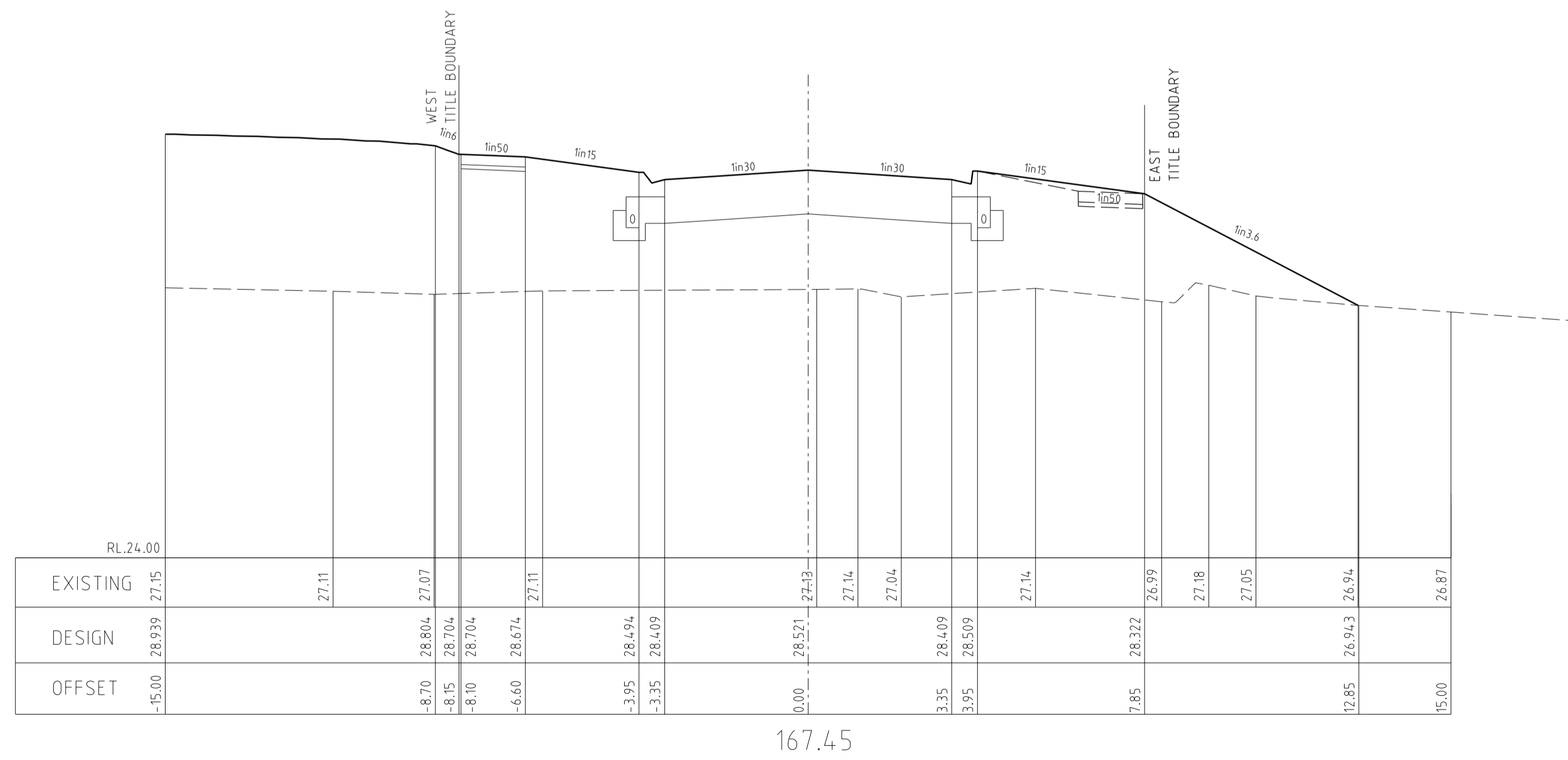
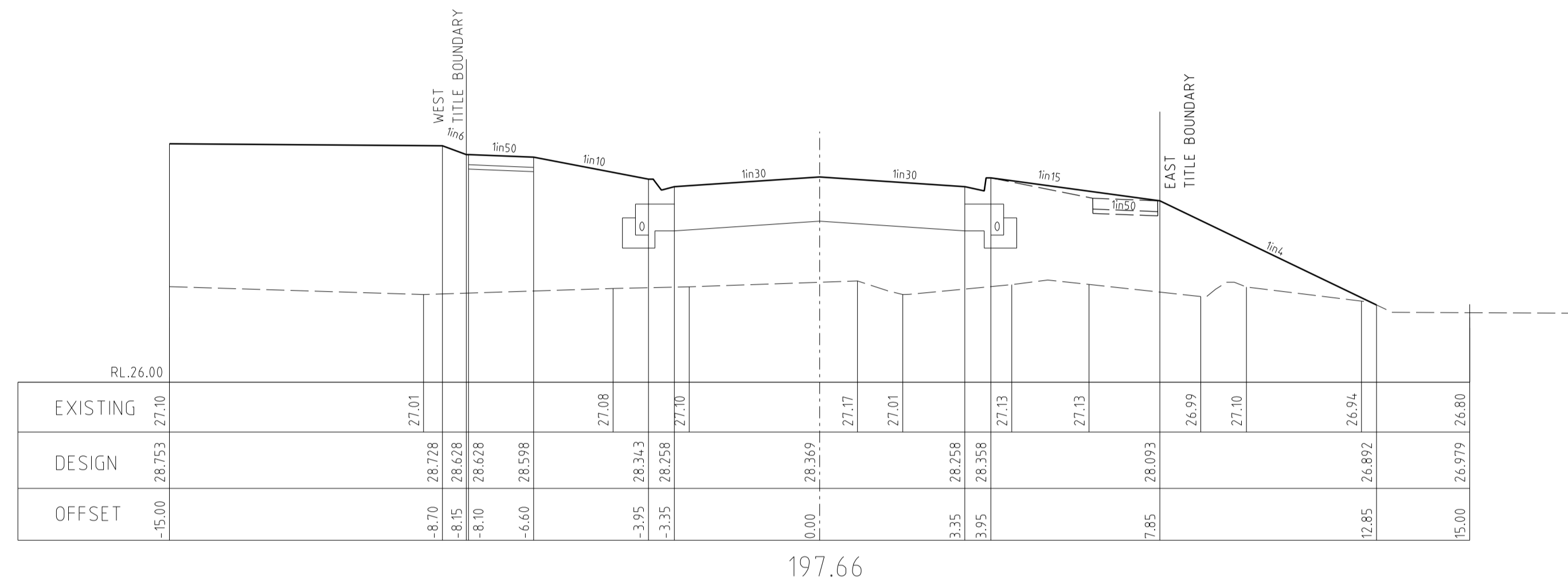
Project 11/16/2019



CEDUNA ROAD (1) CROSS SECTIONS

SCALE Hor. 1:100
Vert 1:50

		breese pitt dixon pty. ltd. land surveyors civil engineers		1/19 colo street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
MELWAY REF. 131-C-12		SURVEY B.P.D.		MUNICIPALITY CASEY	
DESIGN RK		DRAWN RK		REFERENCE 8129 E/16	
CHECKED		SCALE AS SHOWN		DATUM AHD	
DATE		DATE		SHEET 7 OF 22	

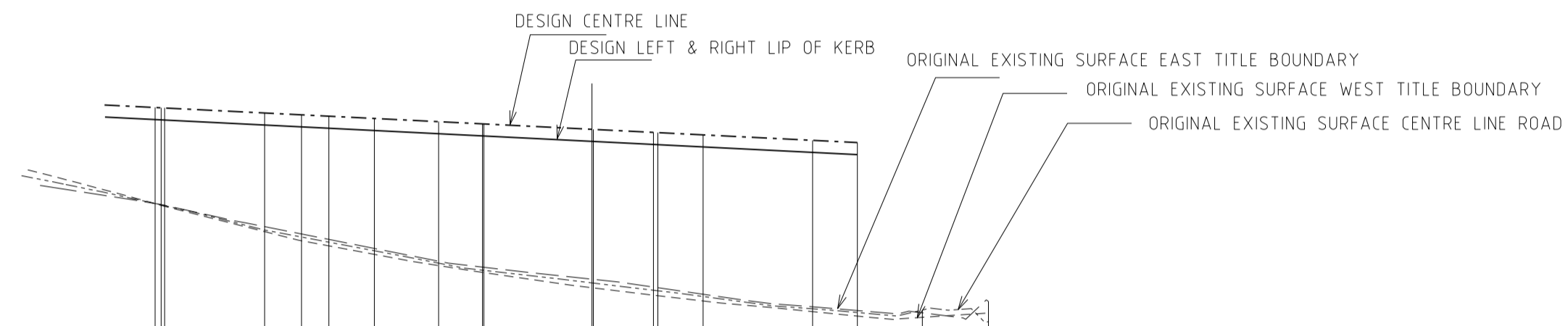


CEDUNA ROAD (1) CROSS SECTIONS

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	
		MERIDIAN ESTATE STAGE 16	
AMENDMENTS E 11.06.19 CONSTRUCTION EXTENT AMENDED C 22.05.19 STAGE 16 PLAN OF SUBDIVISION AMENDED B 14.03.19 STAGE 16 SPLIT TO ST 16/17 A 8.02.19 CONSTRUCTION ISSUE	MELWAY REF. 131-C-12 SURVEY B.P.D. DESIGN RK DRAWN RK	MUNICIPALITY CASEY REFERENCE 8129 E/16	
VER. DATE REMARKS	CHECKED	SCALE AS SHOWN DATUM AHD DATE AUG. 18	SHEET 8 OF 22 E

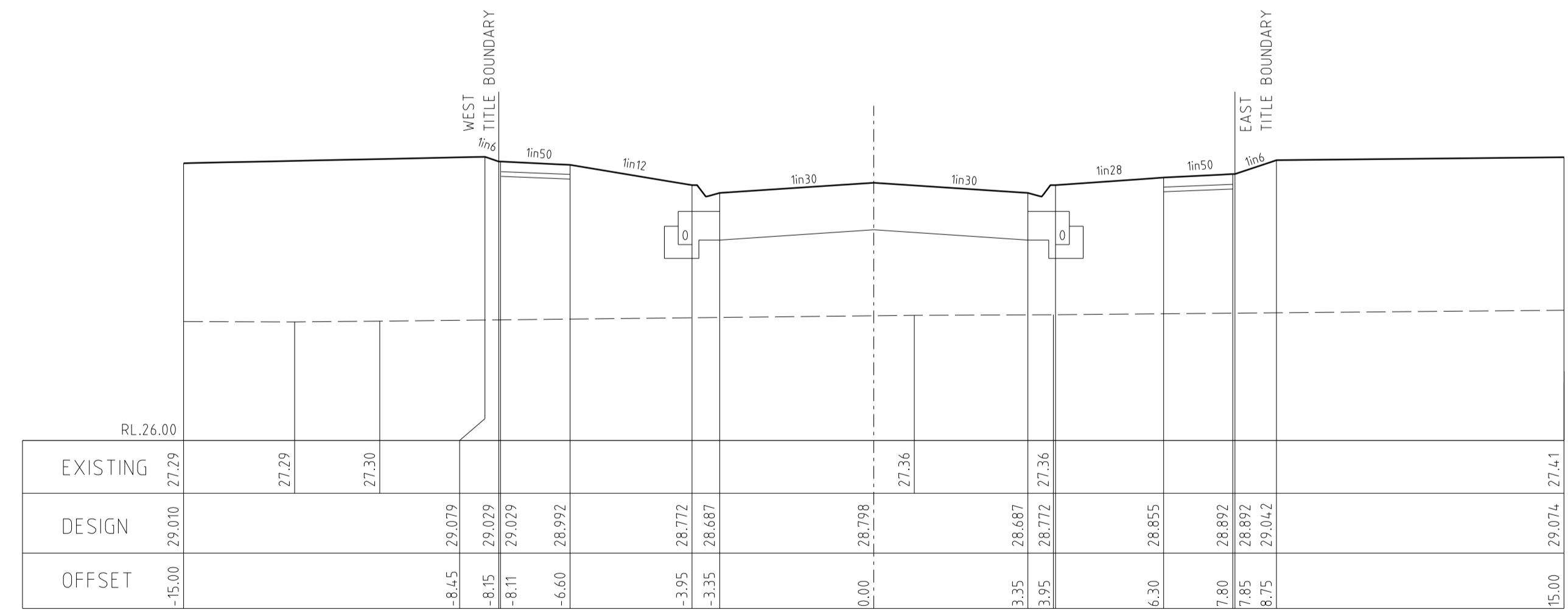
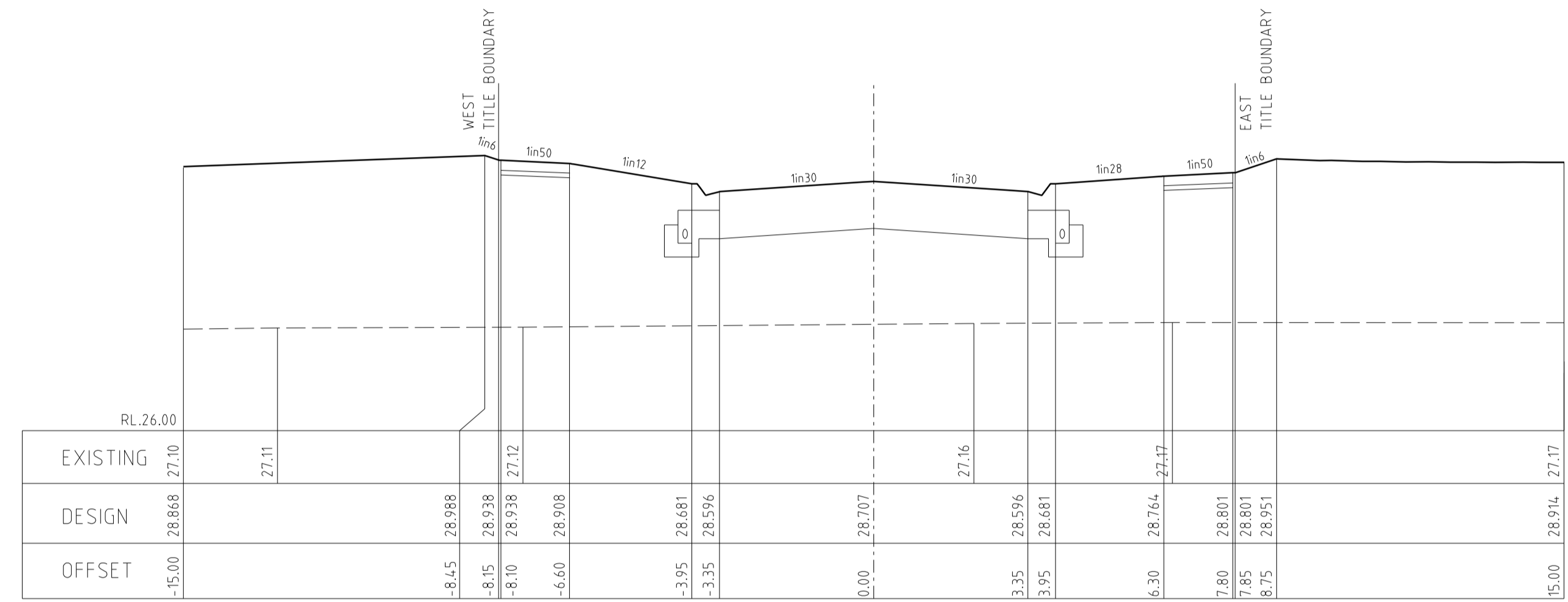
START WORKS
STAGE 16
CH50987



	470.00	470.56	470.87	480.00	483.37	485.87	490.00	495.87	499.87	500.00	509.87	510.00	515.47	515.87	520.00	530.00	540.00	546.03	
ORIGINAL ES LEFT TITLE BOUNDARY	28.15	28.13	28.13	28.916	28.913	28.912	27.89	28.866	28.849	28.837	28.816	27.69	28.717	28.716	28.716	28.616	27.16	27.11	27.15
DESIGN LEFT LIP OF KERB	28.916	28.913	28.912	28.866	28.849	28.837	27.89	28.866	28.849	28.837	28.816	27.69	28.717	28.716	28.716	28.616	27.16	27.11	27.15
DESIGN CENTRE LINE	29.028	29.025	29.024	28.978	28.961	28.948	27.89	28.878	28.861	28.848	28.827	27.78	28.717	28.716	28.716	28.616	27.16	27.11	27.15
DESIGN RIGHT LIP OF KERB	28.916	28.913	28.912	28.866	28.849	28.837	27.89	28.866	28.849	28.837	28.816	27.69	28.717	28.716	28.716	28.616	27.16	27.11	27.15
ORIGINAL ES RIGHT TITLE BOUNDARY	28.15	28.14	28.14	27.94	28.916	28.913	28.912	28.866	28.849	28.837	28.816	27.69	28.717	28.716	28.716	28.616	27.16	27.11	27.15
ES CENTRE LINE ROAD	29.03	29.02	29.02	28.98	28.96	28.95	27.89	28.866	28.849	28.837	28.816	27.69	28.717	28.716	28.716	28.616	27.16	27.11	27.15
CHAINAGE CENTRE LINE ROAD	470.00	470.56	470.87	480.00	483.37	485.87	490.00	495.87	499.87	500.00	509.87	510.00	515.47	515.87	520.00	530.00	540.00	546.03	

SCENERY DRIVE LONGITUDINAL SECTION

SCALE Hor. 1:500
Vert 1:50

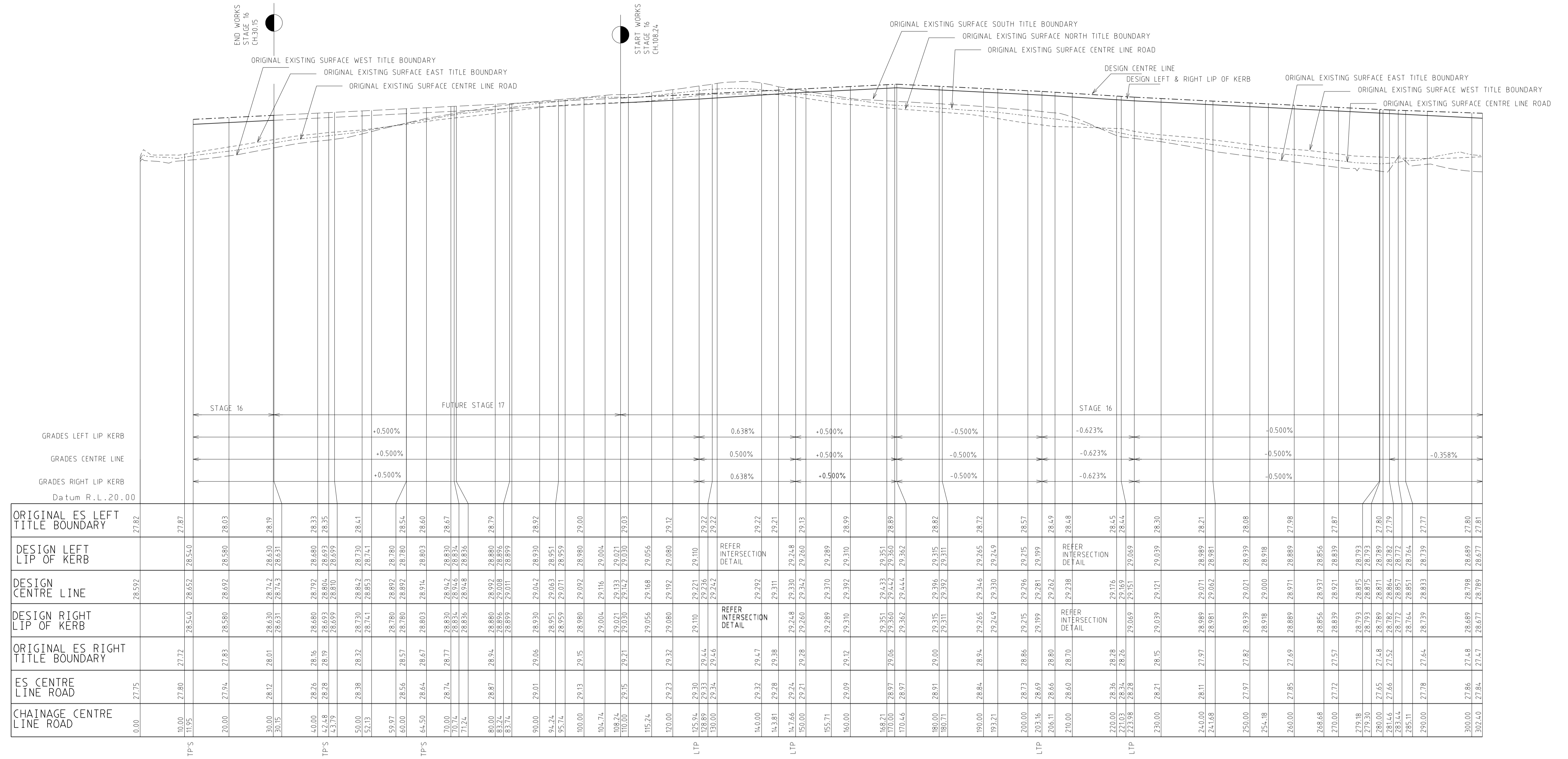


SCENERY DRIVE CROSS SECTIONS

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 E 11.06.19 CONSTRUCTION EXTENT AMENDED C 22.05.19 STAGE 16 PLAN OF SUBDIVISION AMENDED B 14.03.19 STAGE 16 SPLIT TO ST 16/17 A 8.02.19 CONSTRUCTION ISSUE		MELWAY REF. 131-C-12 SURVEY B.P.D. DESIGN RK DRAWN RK		MERIDIAN ESTATE STAGE 16 MUNICIPALITY CASEY REFERENCE 8129 E/16	
VER	DATE	REMARKS	CHECKED	SCALE AS SHOWN	DATUM AHD
			DATE	AUG. 18	SHEET 9 OF 22

D:\bpd - 8129\des\ign\stage 16\2019-06-11\E16-des.dgn

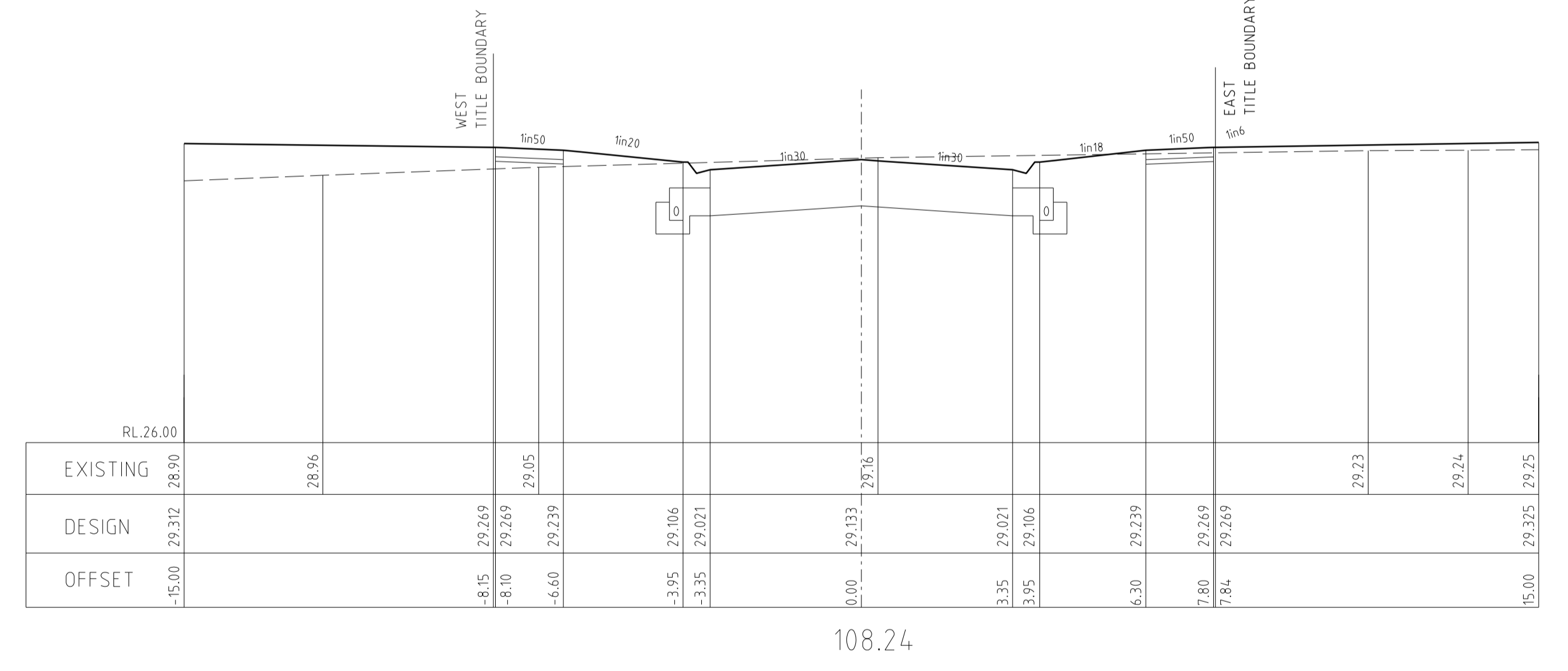
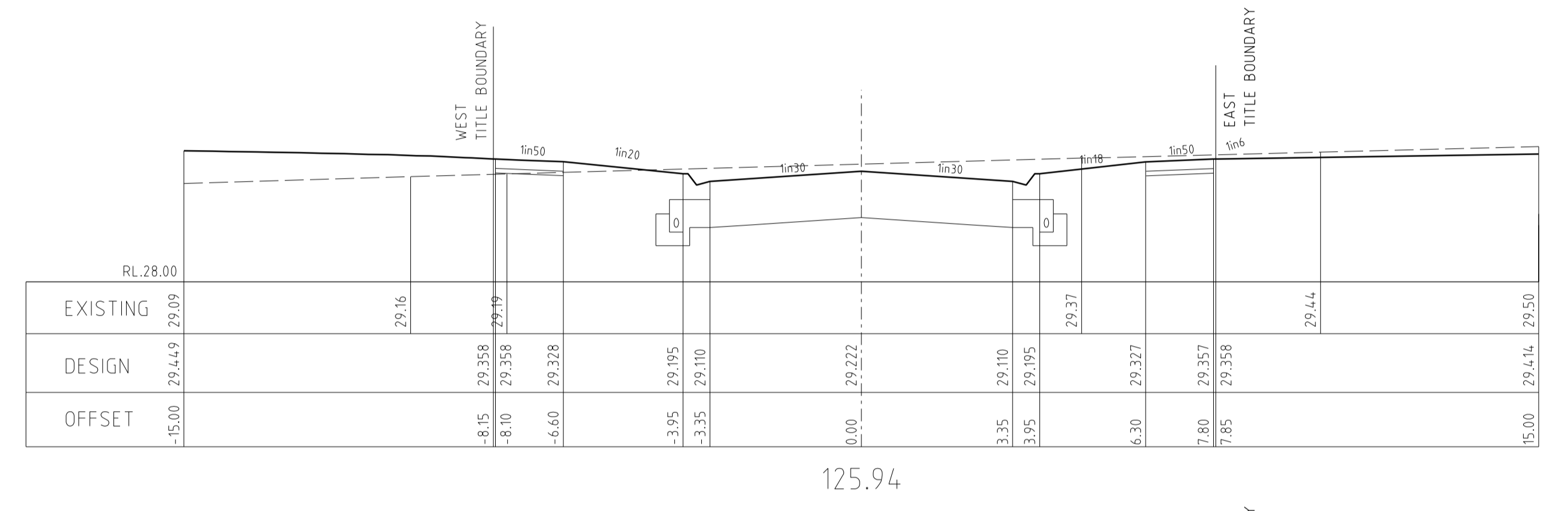
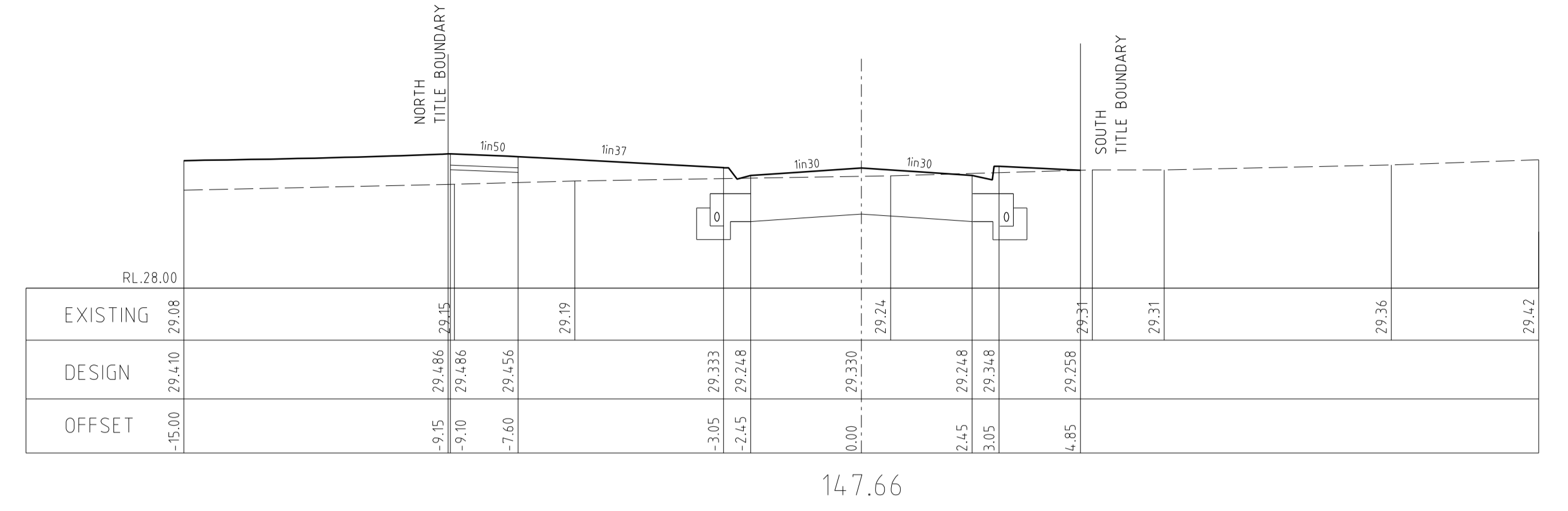
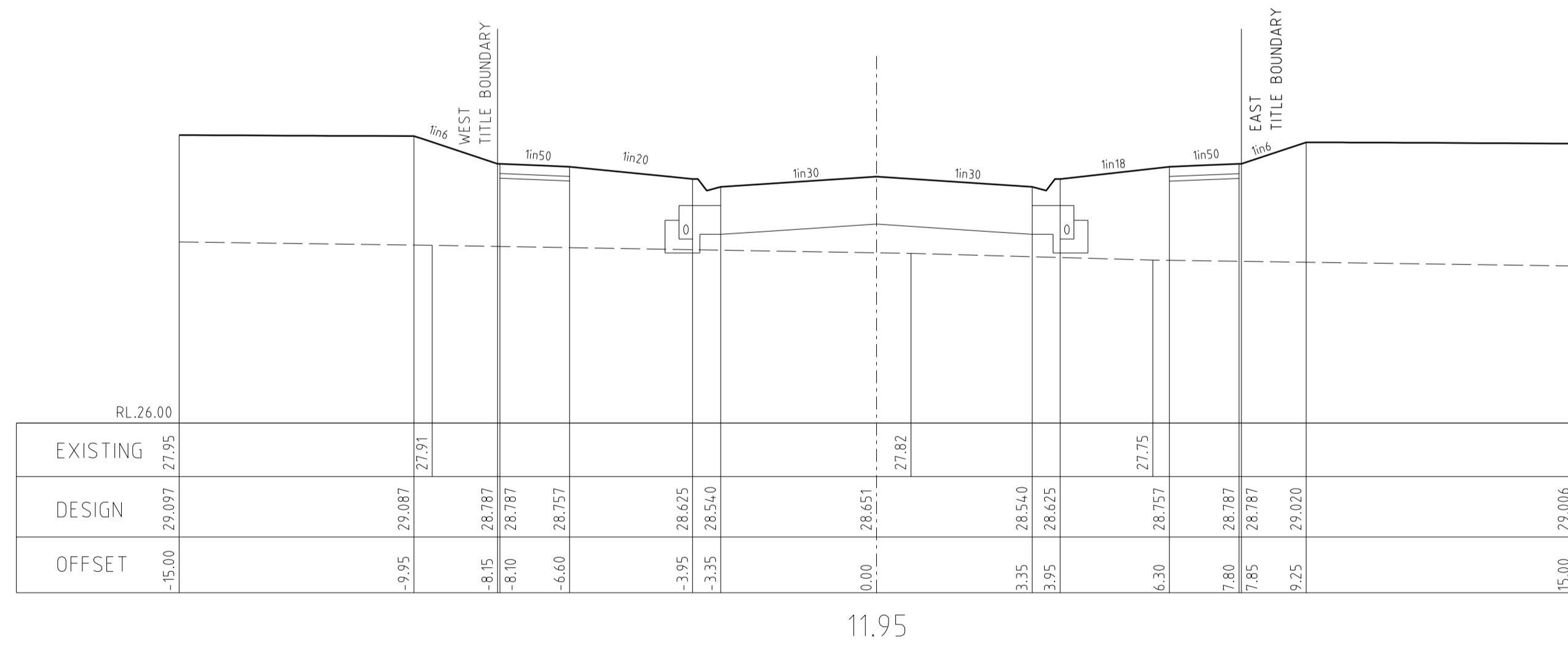
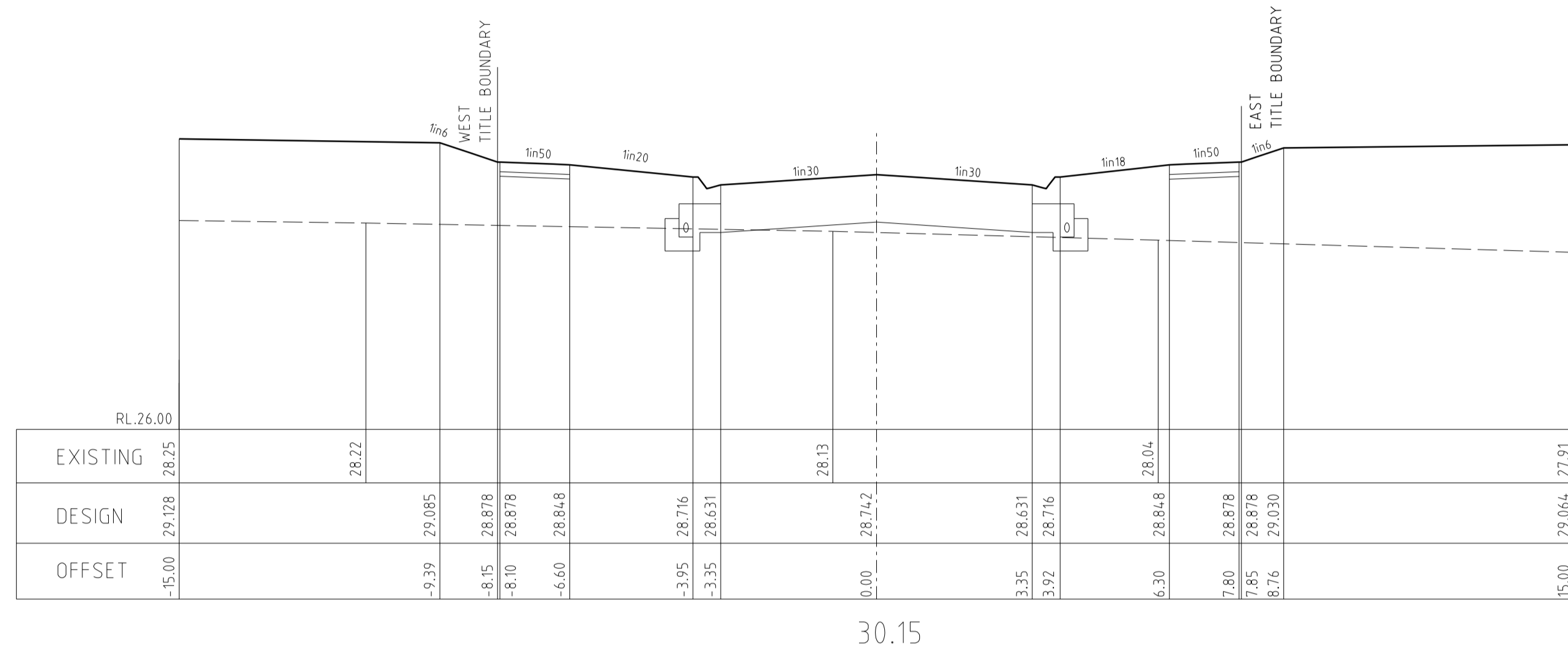


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ORIGINAL ES LEFT TITLE BOUNDARY	27.82	27.87	28.03	28.19	28.33	28.41	28.54	28.60	28.67	28.92	29.03	29.056	29.12	29.22	29.22	29.22	28.82	28.72	28.21	28.89	29.351	29.351	28.45	28.30	28.21	28.08	27.98	28.856	28.793	28.793	28.80	28.779	28.77	27.81	
DESIGN LEFT LIP OF KERB		28.540	28.580	28.630	28.680	28.710	28.780	28.803	28.830	28.930	29.042	29.116	29.192	29.236	29.242	29.242	29.311	29.311	29.311	29.311	29.311	29.311	29.311	29.311	29.311	29.311	29.311	29.311	29.311	29.311	29.311	29.311	29.311	29.311	
DESIGN CENTRE LINE	28.592	28.552	28.492	28.422	28.333	28.230	28.116	27.992	27.867	27.742	27.617	27.492	27.367	27.242	27.117	26.992	26.867	26.742	26.617	26.492	26.367	26.242	26.117	25.992	25.867	25.742	25.617	25.492	25.367	25.242	25.117	24.992	24.867	24.742	24.617
DESIGN RIGHT LIP OF KERB		28.540	28.580	28.630	28.680	28.710	28.780	28.803	28.830	28.930	29.042	29.116	29.192	29.236	29.242	29.242	29.311	29.311	29.311	29.311	29.311	29.311	29.311	29.311	29.311	29.311	29.311	29.311	29.311	29.311	29.311	29.311	29.311	29.311	29.311
ORIGINAL ES RIGHT TITLE BOUNDARY		27.172	27.83	28.01	28.19	28.37	28.57	28.67	28.77	29.06	29.15	29.21	29.28	29.44	29.46	29.46	29.00	28.94	28.38	28.89	29.06	29.06	28.28	28.15	28.07	27.97	27.82	27.65	27.57	27.48	27.39	27.30	27.21	27.12	
ES CENTRE LINE ROAD	27.75	27.80	27.94	28.12	28.26	28.38	28.55	28.64	28.74	29.01	29.15	29.21	29.28	29.44	29.46	29.46	29.00	28.94	28.38	28.89	29.06	29.06	28.28	28.15	28.07	27.97	27.82	27.65	27.57	27.48	27.39	27.30	27.21	27.12	
CHAINAGE CENTRE LINE ROAD	0.00	10.00	20.00	30.15	40.00	50.00	60.00	64.50	70.00	80.00	90.00	94.74	100.00	104.74	108.74	110.00	115.74	120.00	124.381	127.66	130.00	133.00	136.00	139.00	142.00	145.00	148.00	151.00	154.00	157.00	160.00	163.00	166.00	169.00	

CEDUNA ROAD (2) LONGITUDINAL SECTION

SCALE Hor. 1:500
Vert 1:50

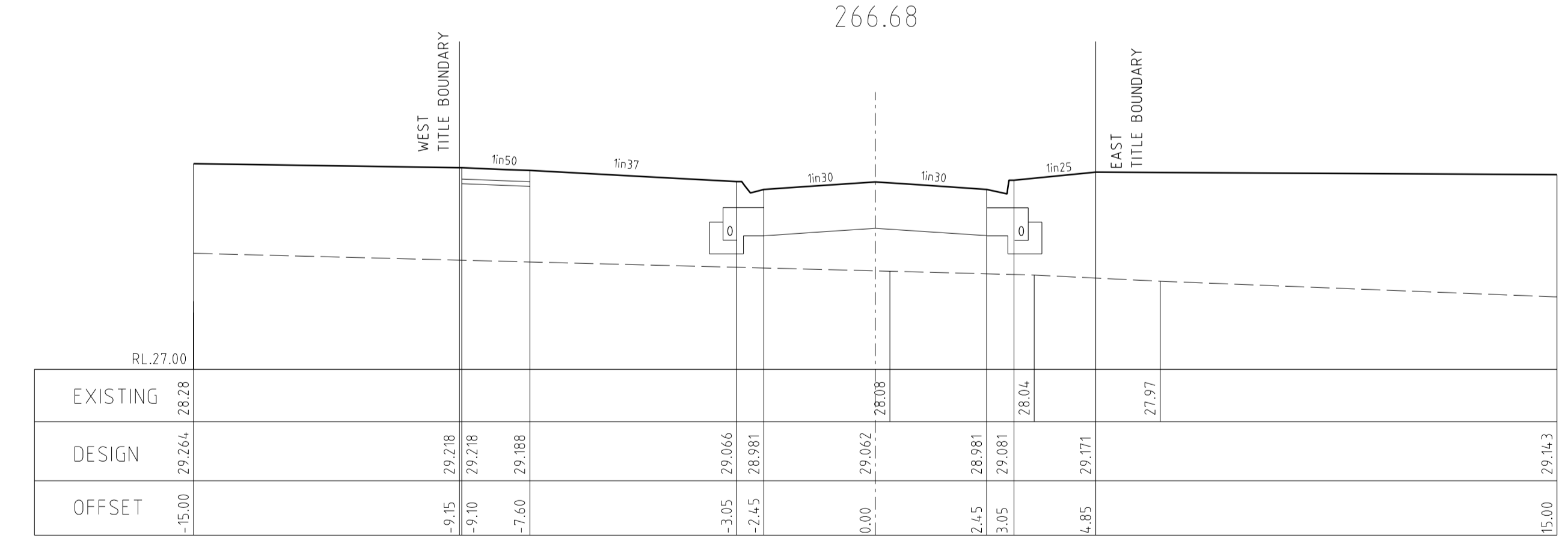
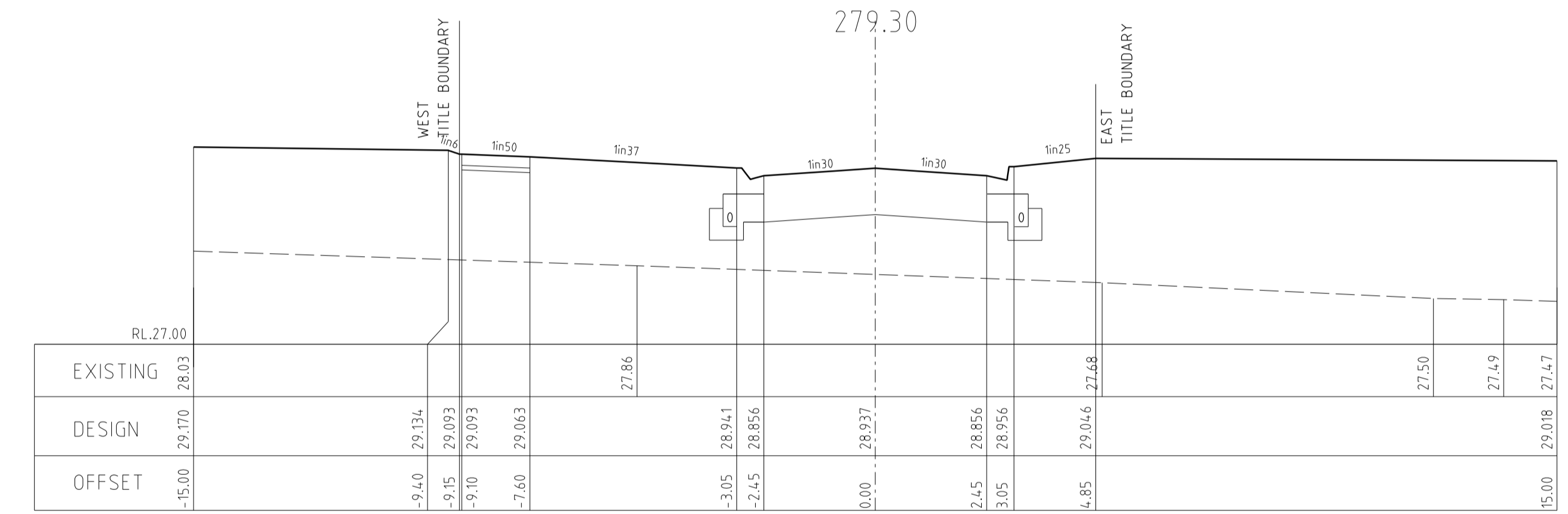
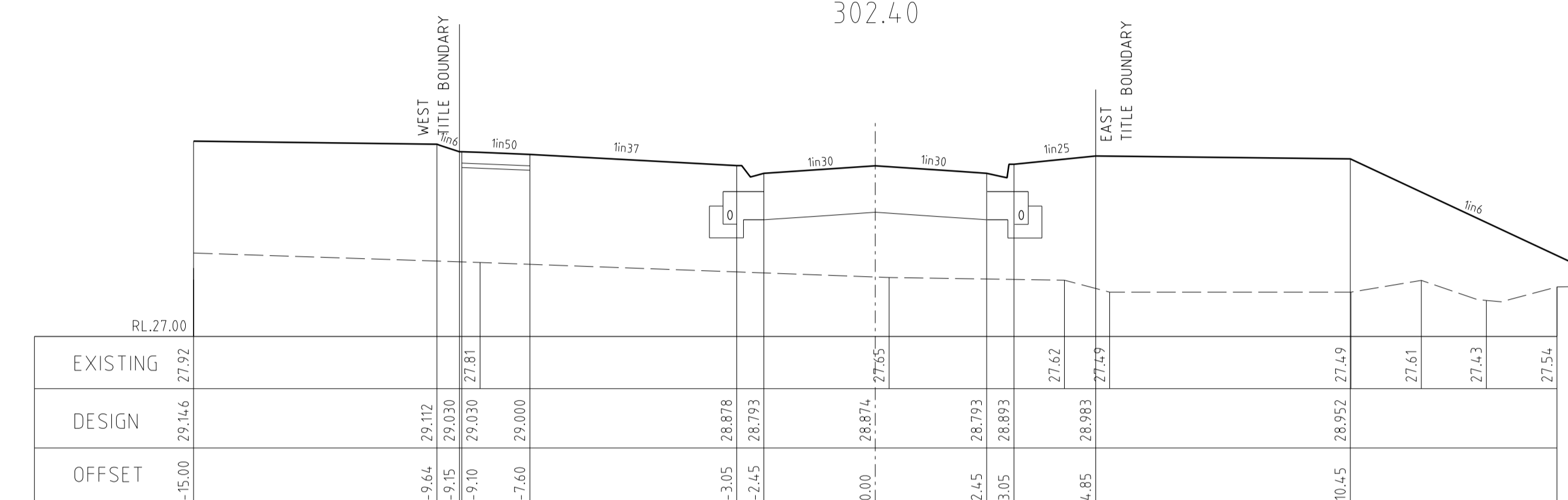
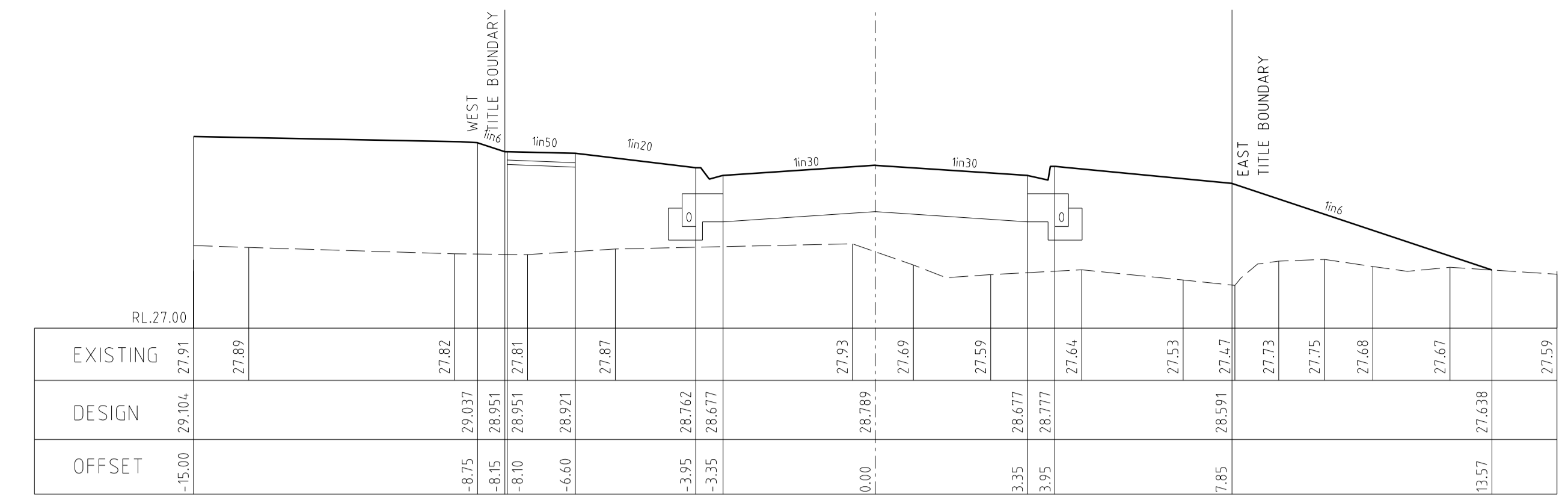
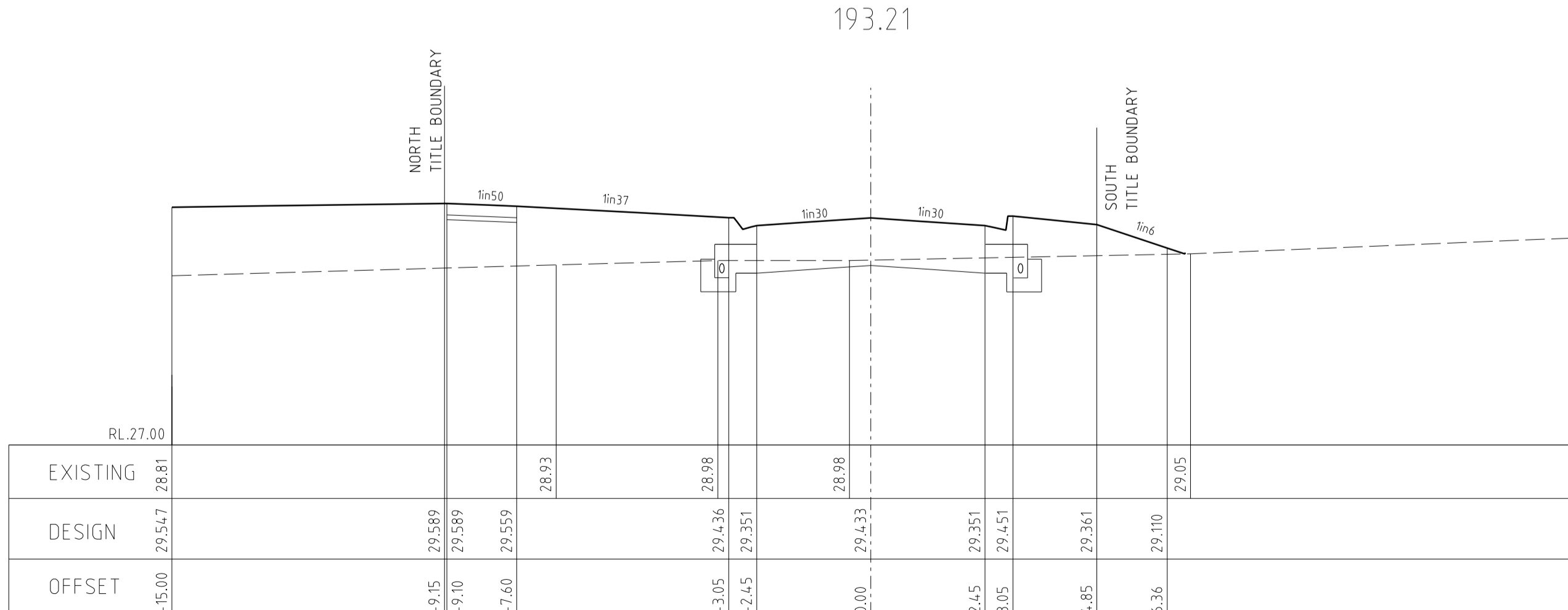
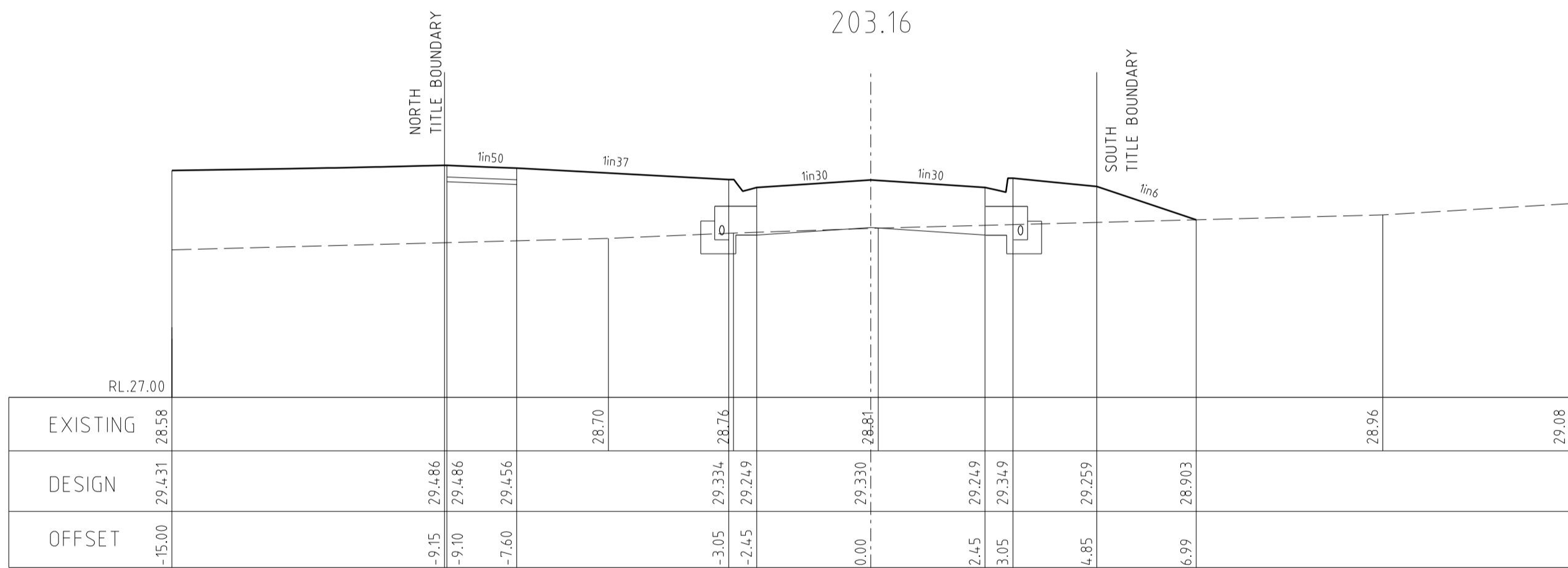
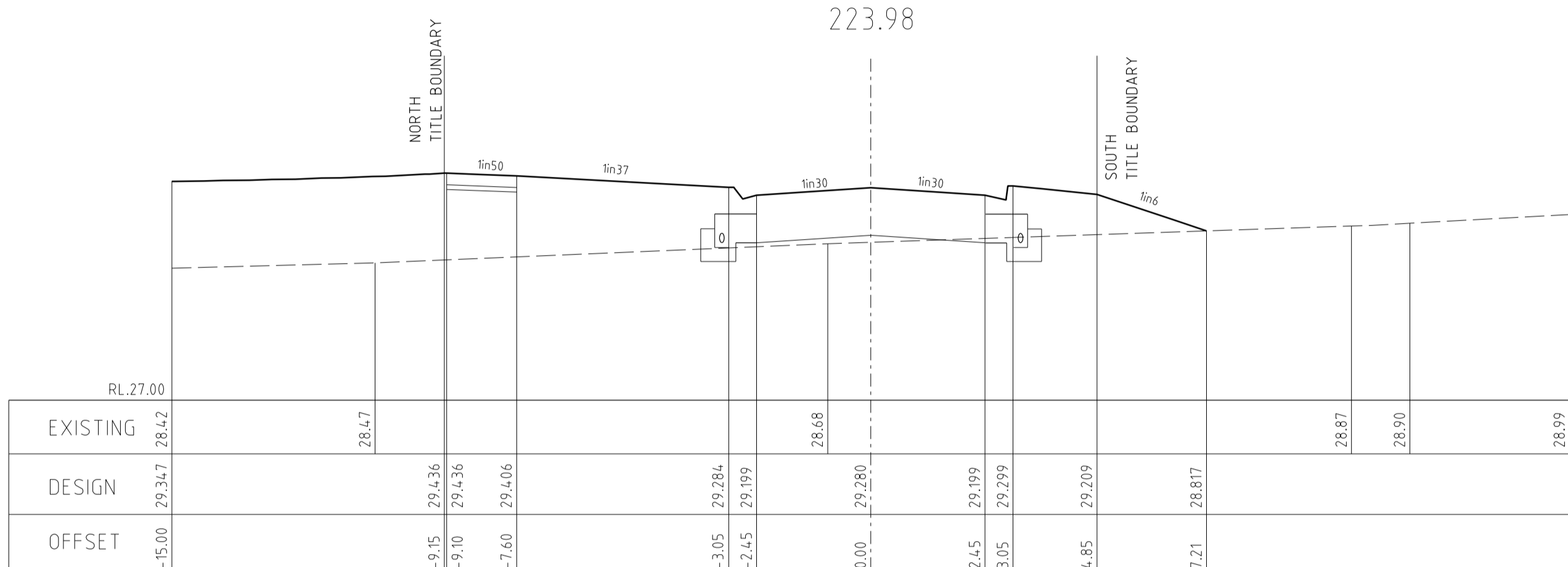
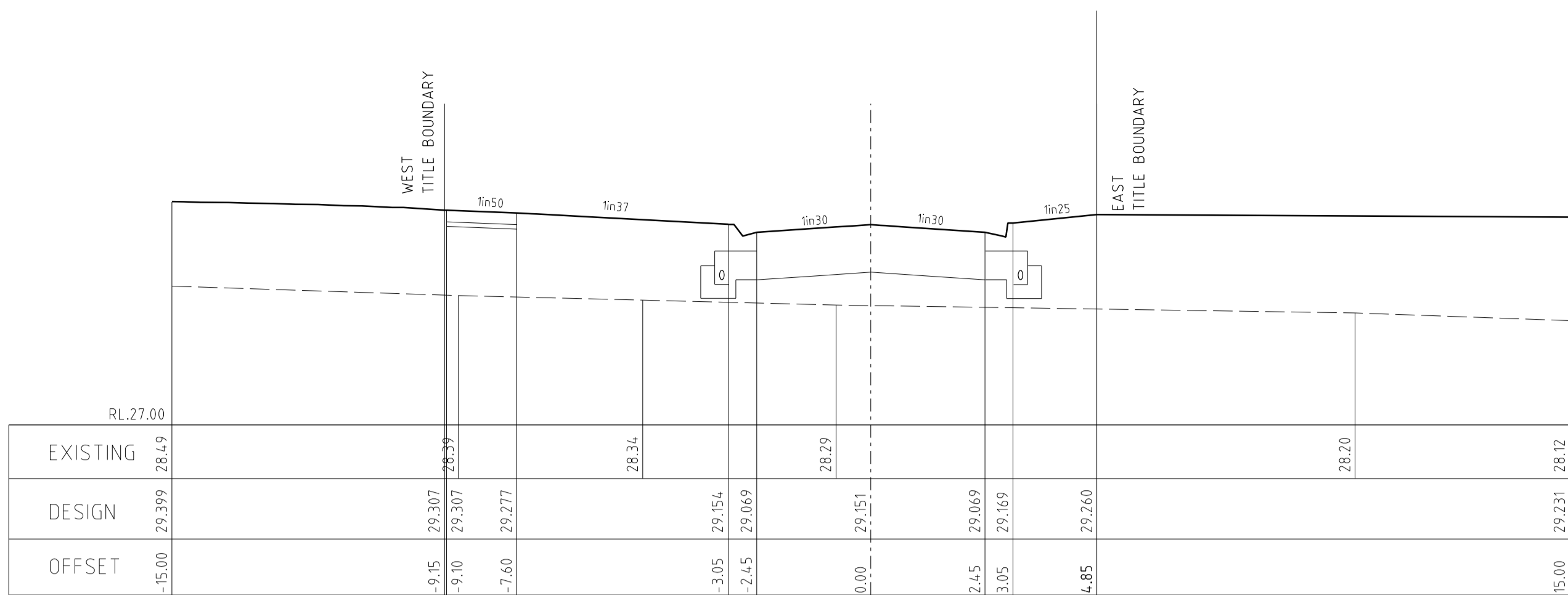
		breese pitt dixon pty. ltd. land surveyors civil engineers		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
AMENDMENTS E 11.06.19 CONSTRUCTION EXTENT AMENDED C 22.05.19 STAGE 16 PLAN OF SUBDIVISION AMENDED B 14.03.19 STAGE 16 SPLIT TO ST 16/17 A 8.02.19 CONSTRUCTION ISSUE		MELWAY REF. 131-C-12 SURVEY B.P.D. DESIGN RK DRAWN RK		MUNICIPALITY CASEY REFERENCE 8129 E/16	
VER. DATE 11.06.19 22.05.19 14.03.19 8.02.19		REMARKS CONSTRUCTION EXTENT AMENDED STAGE 16 PLAN OF SUBDIVISION AMENDED STAGE 16 SPLIT TO ST 16/17 CONSTRUCTION ISSUE		CHECKED SCALE AS SHOWN DATUM AHD DATE AUG. 18 SHEET 10 OF 22 E	



CEDUNA ROAD (2) 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 <table border="1"> <tr> <th>VER</th> <th>DATE</th> <th>REMARKS</th> <th>CHECKED</th> </tr> <tr> <td>E</td> <td>11.06.19</td> <td>CONSTRUCTION EXTENT AMENDED</td> <td>MELWAY REF. 131-C-12</td> </tr> <tr> <td>C</td> <td>22.05.19</td> <td>STAGE 16 PLAN OF SUBDIVISION AMENDED</td> <td>SURVEY B.P.D.</td> </tr> <tr> <td>B</td> <td>14.03.19</td> <td>STAGE 16 SPLIT TO ST 16/17</td> <td>DESIGN RK</td> </tr> <tr> <td>A</td> <td>8.02.19</td> <td>CONSTRUCTION ISSUE</td> <td>DRAWN RK</td> </tr> </table>		VER	DATE	REMARKS	CHECKED	E	11.06.19	CONSTRUCTION EXTENT AMENDED	MELWAY REF. 131-C-12	C	22.05.19	STAGE 16 PLAN OF SUBDIVISION AMENDED	SURVEY B.P.D.	B	14.03.19	STAGE 16 SPLIT TO ST 16/17	DESIGN RK	A	8.02.19	CONSTRUCTION ISSUE	DRAWN RK	<table border="1"> <tr> <td colspan="2" style="text-align: center;">MERIDIAN ESTATE STAGE 16</td> <td colspan="2" style="text-align: center;">MUNICIPALITY CASEY</td> </tr> <tr> <td colspan="2" style="text-align: center;">SCALE AS SHOWN</td> <td colspan="2" style="text-align: center;">DATE 11 OF 22</td> </tr> <tr> <td colspan="2" style="text-align: center;">DATUM AHD</td> <td colspan="2" style="text-align: center;">DATE AUG. 18</td> </tr> </table>	MERIDIAN ESTATE STAGE 16		MUNICIPALITY CASEY		SCALE AS SHOWN		DATE 11 OF 22		DATUM AHD		DATE AUG. 18	
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CEDUNA ROAD (2) CROSS SECTIONS

SCALE Hor. 1:100
Ver 1:50

AMENDMENTS	E	11.06.19	CONSTRUCTION EXTENT AMENDED	MELWAY REF.	131-C-12						
	C	22.05.19	STAGE 16 PLAN OF SUBDIVISION AMENDED	SURVEY	B.P.D.						
	B	14.03.19	STAGE 16 SPLIT TO ST 16/17	DESIGN	RK						
	A	8.02.19	CONSTRUCTION ISSUE	DRAWN	RK						
VER.	DATE	REMARKS	CHECKED	SCALE	AS SHOWN	DATUM	AHD	DATE	AUG. 18	SHEET	12 OF 22

breese pitt dixon pty. ltd.
land surveyors civil engineers

MELWAY REF. 131-C-12

SURVEY B.P.D.

DESIGN RK

DRAWN RK

CHECKED

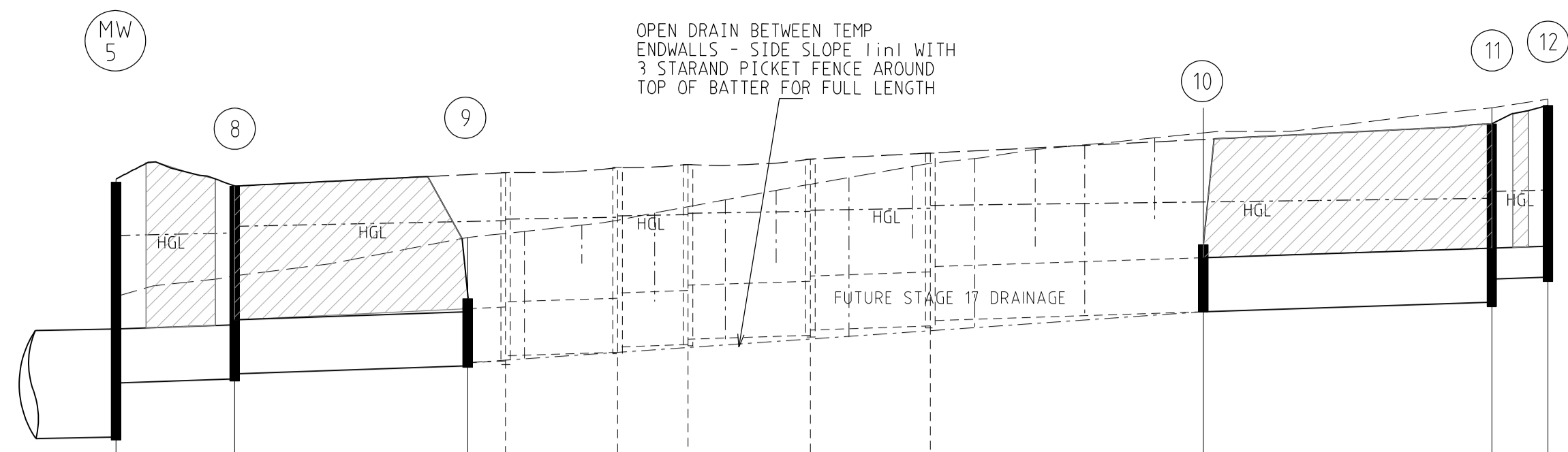
MERIDIAN ESTATE
STAGE 16

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

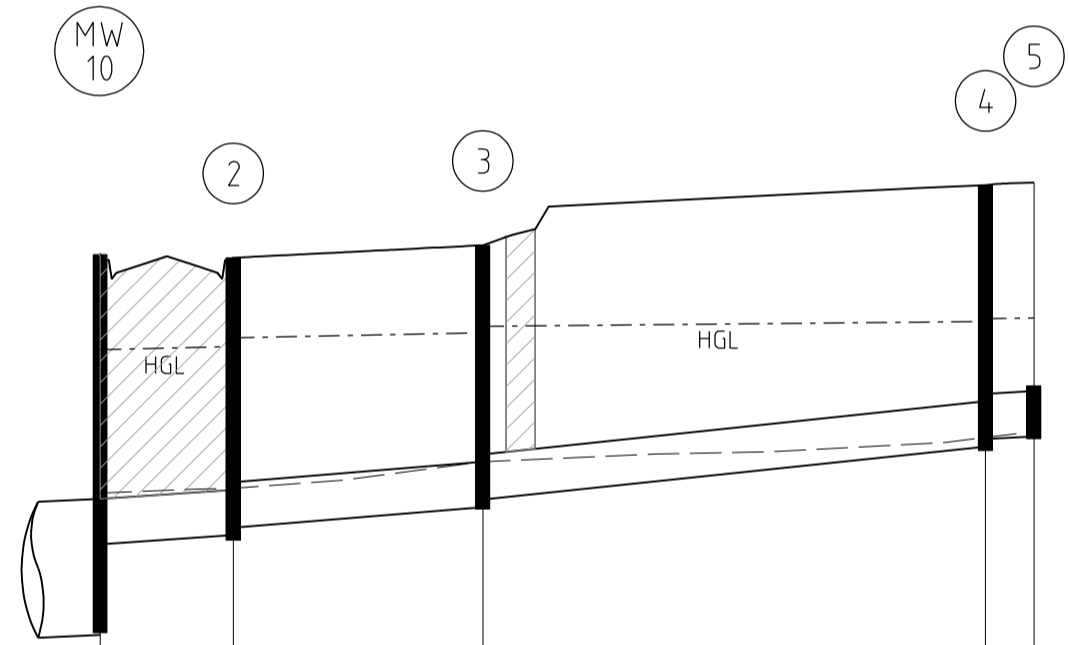
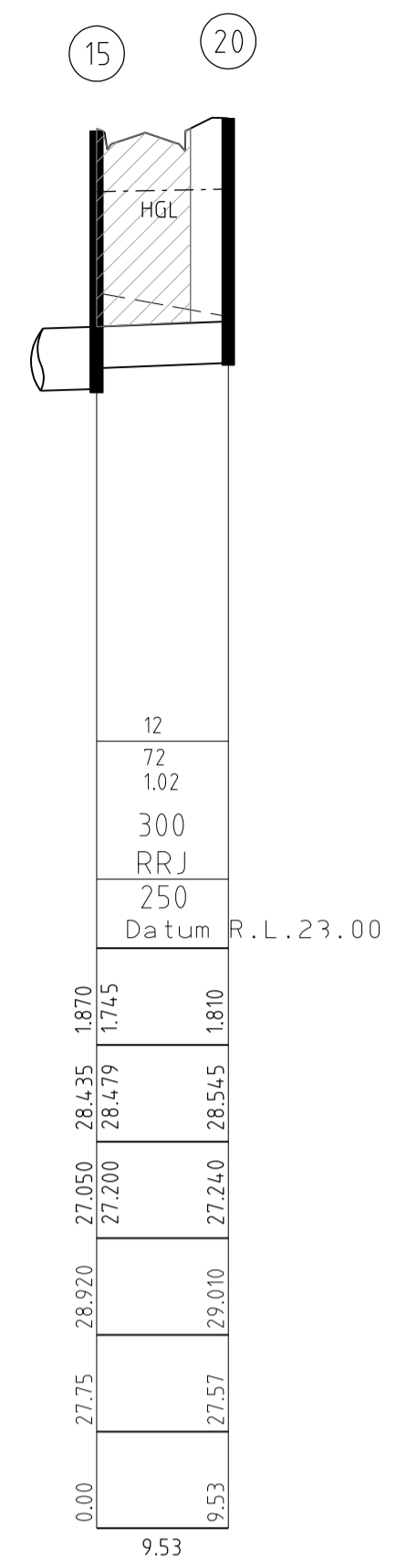
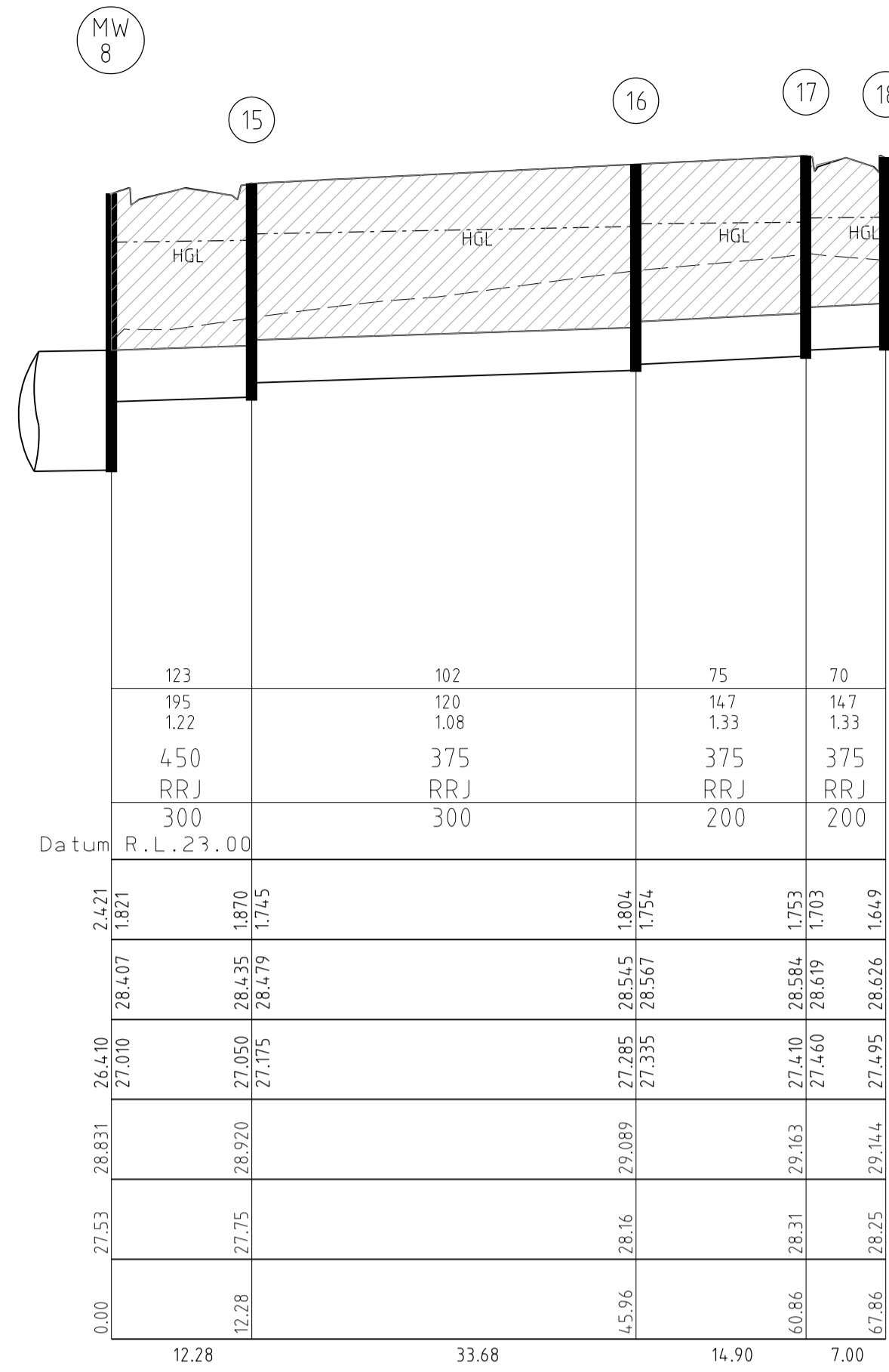
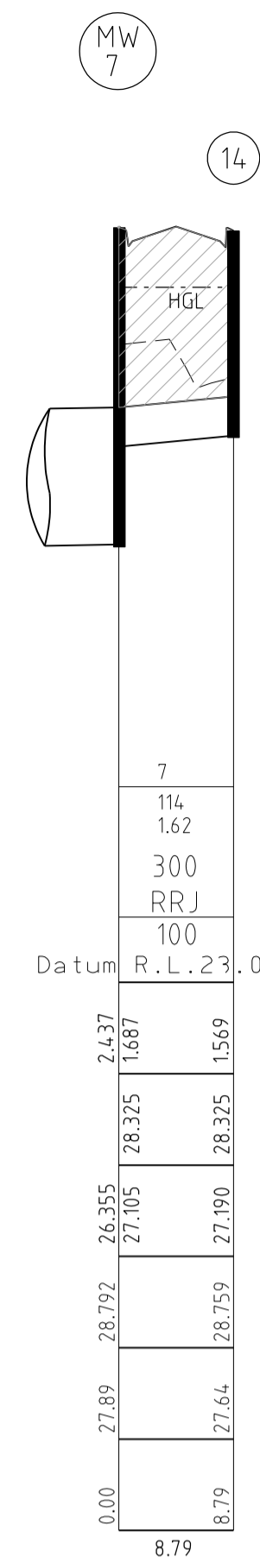
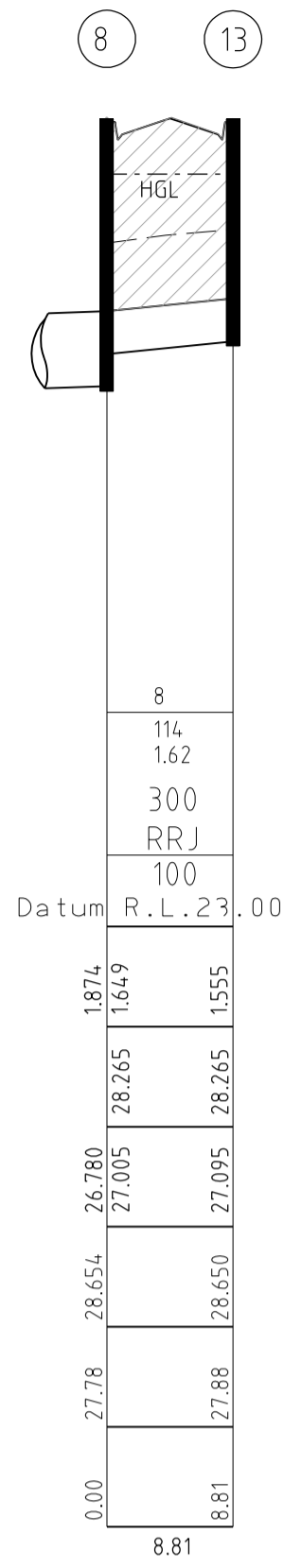
MUNICIPALITY
CASEY

REFERENCE
8129 E/16

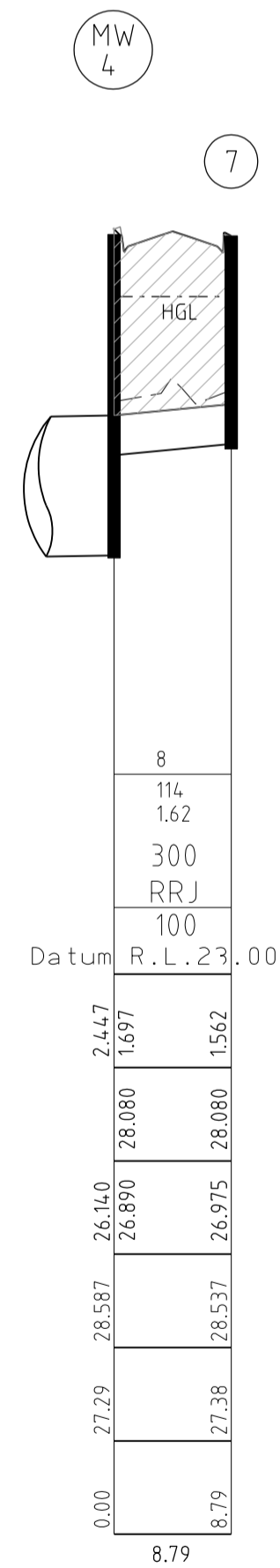
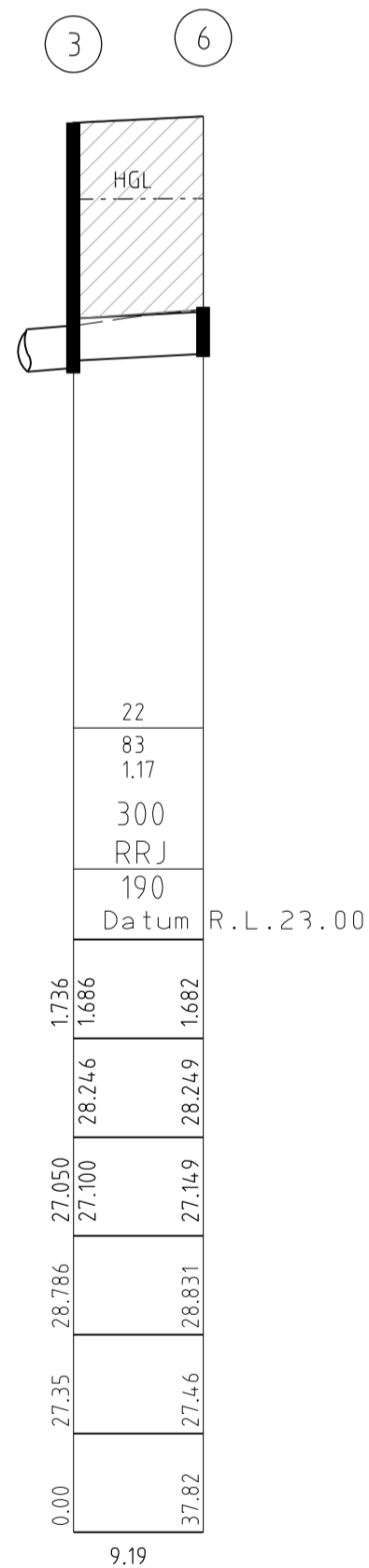
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	MW 5	MW 8	MW 9	MW 10	MW 11	MW 12
DESIGN DISCHARGE (l/s) 5yr	259	252			200	64
CAPACITY (ks=0.60) (l/s)	283	283			283	72
VELOCITY (full) (m/s)	1.36	1.36			1.36	1.36
DIAMETER	525	525			525	300
GRADE (1 IN.....)	RRJ	RRJ			RRJ	RRJ
Datum R.L. 23.00	300	300			300	250
DEPTH TO INVERT	2.557 1.982					
HGL LEVEL	26.215 26.740 28.173	26.780 26.830 28.199 28.265	26.905 26.905 28.300 28.300	27.430 27.430 28.500 28.500	27.525 27.525 28.537 28.603	27.734 27.750 28.603 28.616
DESIGN INVERT LEVEL	26.215 26.740 28.173	26.780 26.830 28.199 28.265	26.905 26.905 28.300 28.300	27.430 27.430 28.500 28.500	27.525 27.525 28.537 28.603	27.734 27.750 28.603 28.616
FINISHED SURFACE LEVEL	27.59 28.722	27.78 28.654	27.630 28.654	28.15 29.17	29.259 29.41	29.538 29.50
EXISTING SURFACE LEVEL	27.59 28.722	27.78 28.654	27.630 28.654	28.15 29.17	29.259 29.41	29.538 29.50
CHAINAGE	0.00	11.52	22.63	34.15	40.54	54.5



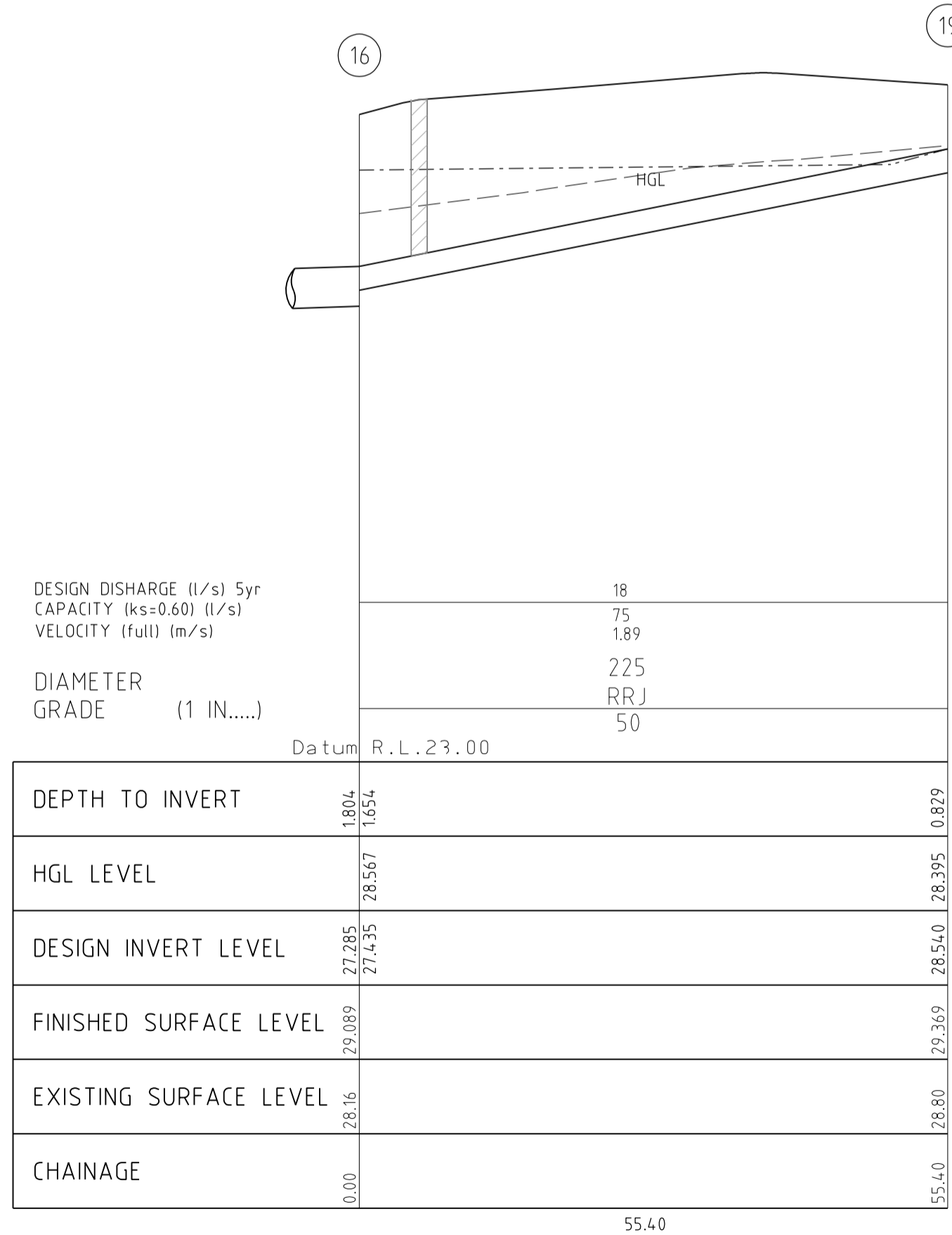
	MW 10	MW 2	MW 3	MW 4	MW 5
DESIGN DISCHARGE (l/s) 5yr	61	57	42	42	
CAPACITY (ks=0.60) (l/s)	72	103	117	84	
VELOCITY (full) (m/s)	1.02	1.46	1.66	1.19	
DIAMETER	300	300	300	300	
GRADE (1 IN.....)	RRJ	RRJ	RRJ	RRJ	
Datum R.L. 23.00	147	122	95	185	
DEPTH TO INVERT	2.492 1.892				
HGL LEVEL	26.205 26.805 28.092	26.805 26.805 28.112 28.170	27.050 27.050 28.203 28.246	27.450 27.500 28.277 28.297	27.729 27.679 28.300 28.300
DESIGN INVERT LEVEL	26.205 26.805 28.092	26.805 26.805 28.112 28.170	27.050 27.050 28.203 28.246	27.450 27.500 28.277 28.297	27.729 27.679 28.300 28.300
FINISHED SURFACE LEVEL	27.14 28.722	27.17 28.699	27.35 28.782	27.51 29.119	27.55 29.195
EXISTING SURFACE LEVEL	27.14 28.722	27.17 28.699	27.35 28.782	27.51 29.119	27.55 29.195
CHAINAGE	0.00	8.80	16.51	25.31	33.25



		breese pitt dixon pty. ltd. land surveyors civil engineers		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
AMENDMENTS E 11.06.19 CONSTRUCTION EXTENT AMENDED C 22.05.19 STAGE 16 PLAN OF SUBDIVISION AMENDED B 14.03.19 STAGE 16 SPLIT TO ST 16/17 A 8.02.19 CONSTRUCTION ISSUE		MELWAY REF. 131-C-12 SURVEY B.P.D. DESIGN RK DRAWN RK		MERIDIAN ESTATE STAGE 16	
VER DATE REMARKS		CHECKED		SCALE AS SHOWN DATUM AHD DATE AUG. 18 SHEET 13 OF 22	
				MUNICIPALITY CASEY REFERENCE 8129 E/16	

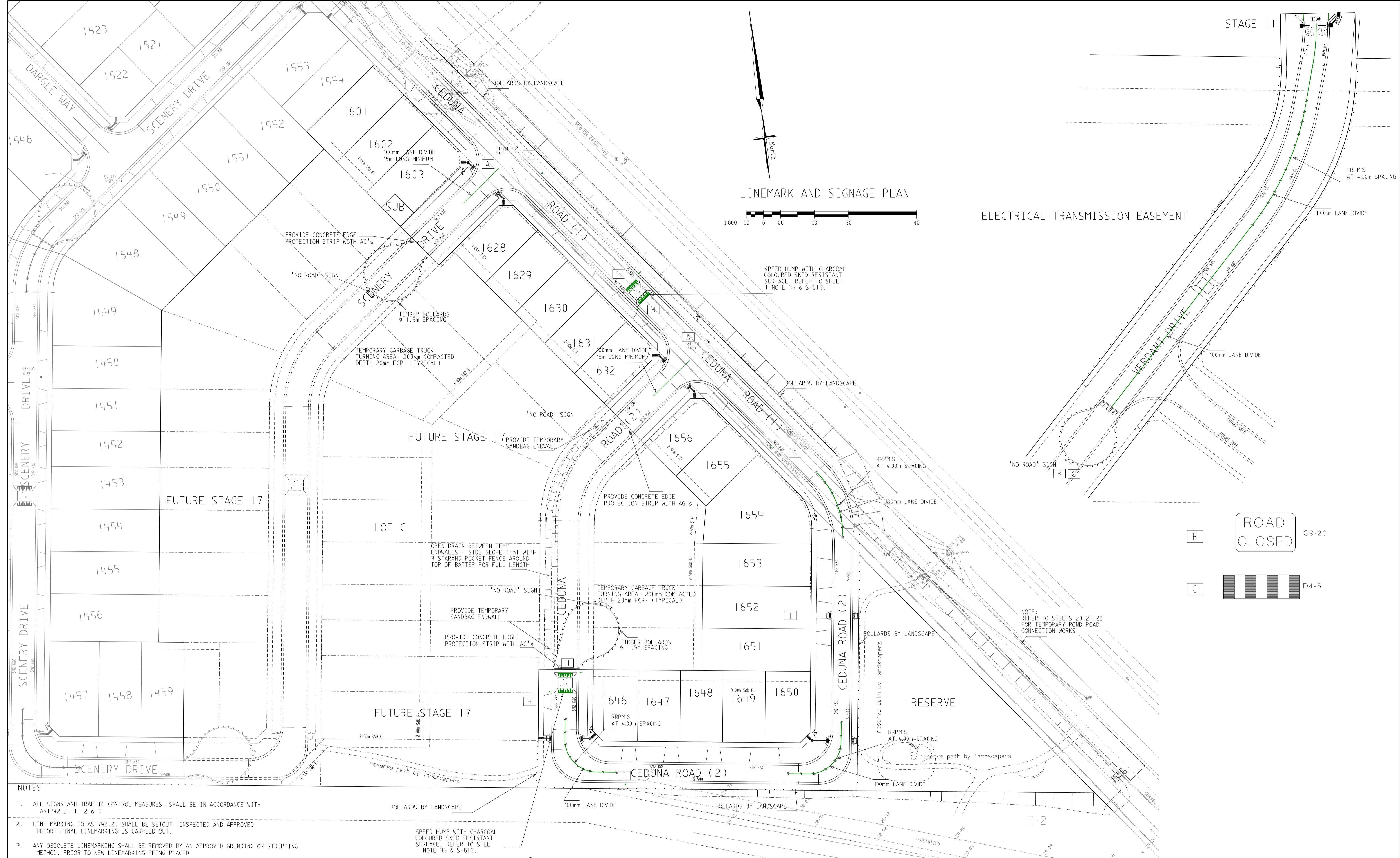
PIT SCHEDULE

PIT No.	PIT TYPE	SIZE L x W	INLET DIA	INLET I.L.	OUTLET DIA	OUTLET I.L.	COVER LEVEL	PIT DEPTH	REMARKS
1	D.G.S.E.P.	900x600	-	-	300	26.805	28.334	1.529	EDCM 601 CONSTRUCT GRATE PART ONLY AS JP WAS PART OF ST15 WORKS
2	G.S.E.P.	900x600	300	26.915	300	26.865	28.699	1.834	EDCM 603/605
3	J.P.	900x600	300	27.100	300	27.050	28.782	1.732	EDCM 605
4	J.P.	900x600	300	27.500	300	27.450	29.179	1.729	EDCM 605
5	END PIPE	-x-	-	-	300	27.515	29.195	1.680	SEAL END OF PIPE FOR FUTURE CONNECTION
6	END PIPE	-x-	-	-	300	27.149	28.831	1.682	SEAL END OF PIPE FOR FUTURE CONNECTION
7	D.G.S.E.P.	900x600	-	-	300	26.975	28.537	1.562	EDCM 602/605
8	G.S.E.P.	900x750	525	26.830	525	26.780	28.654	1.874	EDCM 603/605
9	ENDWALL	-x-	-	26.905	525	26.905	27.630	0.725	PROVIVE TEMPORARY SANDBAG ENDWALL
10	ENDWALL	-x-	525	27.430	-	27.430	28.155	0.725	PROVIVE TEMPORARY SANDBAG ENDWALL
11	G.S.E.P.	900x750	300	27.750	525	27.525	29.259	1.734	EDCM 603/605
12	G.J.P.	900x600	-	-	300	27.770	29.438	1.668	EDCM 605 FIT CLASS 'D' GATIC GRATE OR SIMILAR
13	G.S.E.P.	900x600	-	-	300	27.095	28.650	1.555	EDCM 603/605
14	D.G.S.E.P.	900x600	-	-	300	27.190	28.759	1.569	EDCM 602/605
15	G.S.E.P.	900x600	375	27.175	375	27.050	28.920	1.870	EDCM 603/605
16	J.P.	900x600	375	27.335	375	27.285	29.089	1.804	EDCM 605
17	G.S.E.P.	900x600	375	27.460	375	27.410	29.163	1.753	EDCM 603/605
18	G.S.E.P.	900x600	-	-	375	27.495	29.144	1.649	EDCM 601/605
19	J.P.	900x600	-	-	225	28.540	29.369	0.829	EDCM 605
20	J.P.	900x600	-	-	300	27.240	29.010	1.810	EDCM 605 FIT CLASS 'D' GATIC GRATE OR SIMILAR

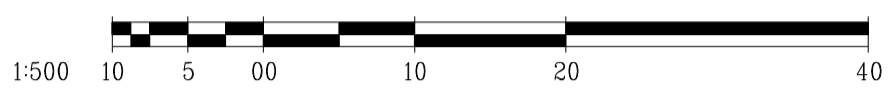


breese pitt dixon pty. ltd. land surveyors civil engineers		1/19 calo street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
MELWAY REF. 131-C-12 SURVEY B.P.D. DESIGN RK DRAWN RK		MUNICIPALITY CASEY REFERENCE 8129 E/16	
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VER. DATE REMARKS CHECKED		DATE AUG. 18 SHEET 14 OF 22	

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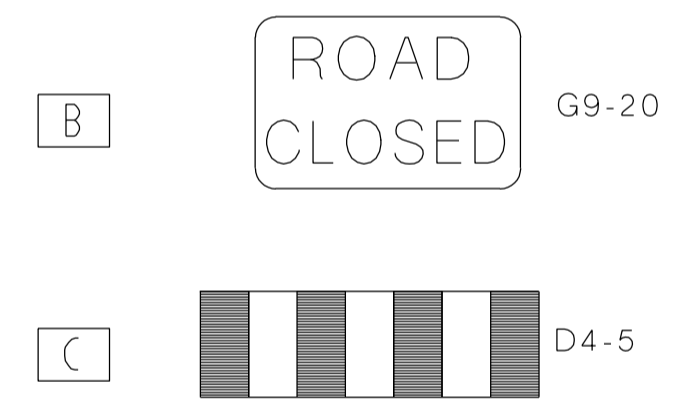
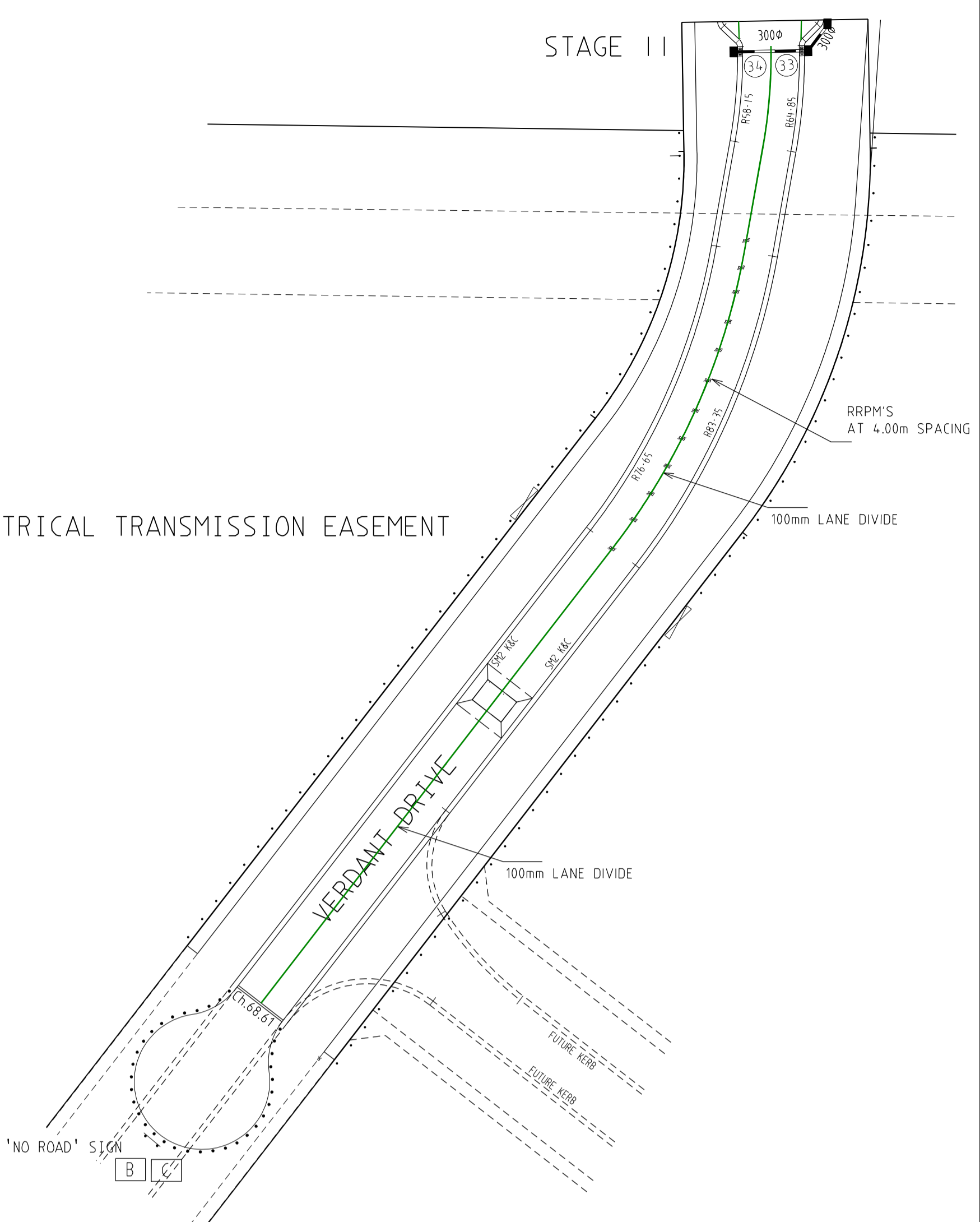


LINEMARK AND SIGNAGE PLAN



SPEED HUMP WITH CHARCOAL COLOURED SKID RESISTANT SURFACE. REFER TO SHEET 1 NOTE 35 & 5-813.

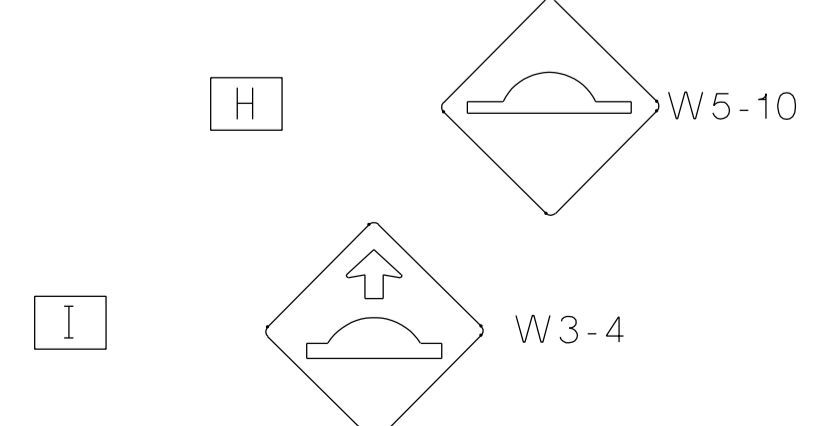
ELECTRICAL TRANSMISSION EASEMENT



NOTE: REFER TO SHEETS 20, 21, 22 FOR TEMPORARY POND ROAD CONNECTION WORKS

- 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 SITWORKS SHALL COMMENCE UNTIL ALL TEMPORARY SIGNS ETC. ARE IN APPROVED LOCATIONS

SPEED HUMP WITH CHARCOAL COLOURED SKID RESISTANT SURFACE. REFER TO SHEET 1 NOTE 35 & 5-813.

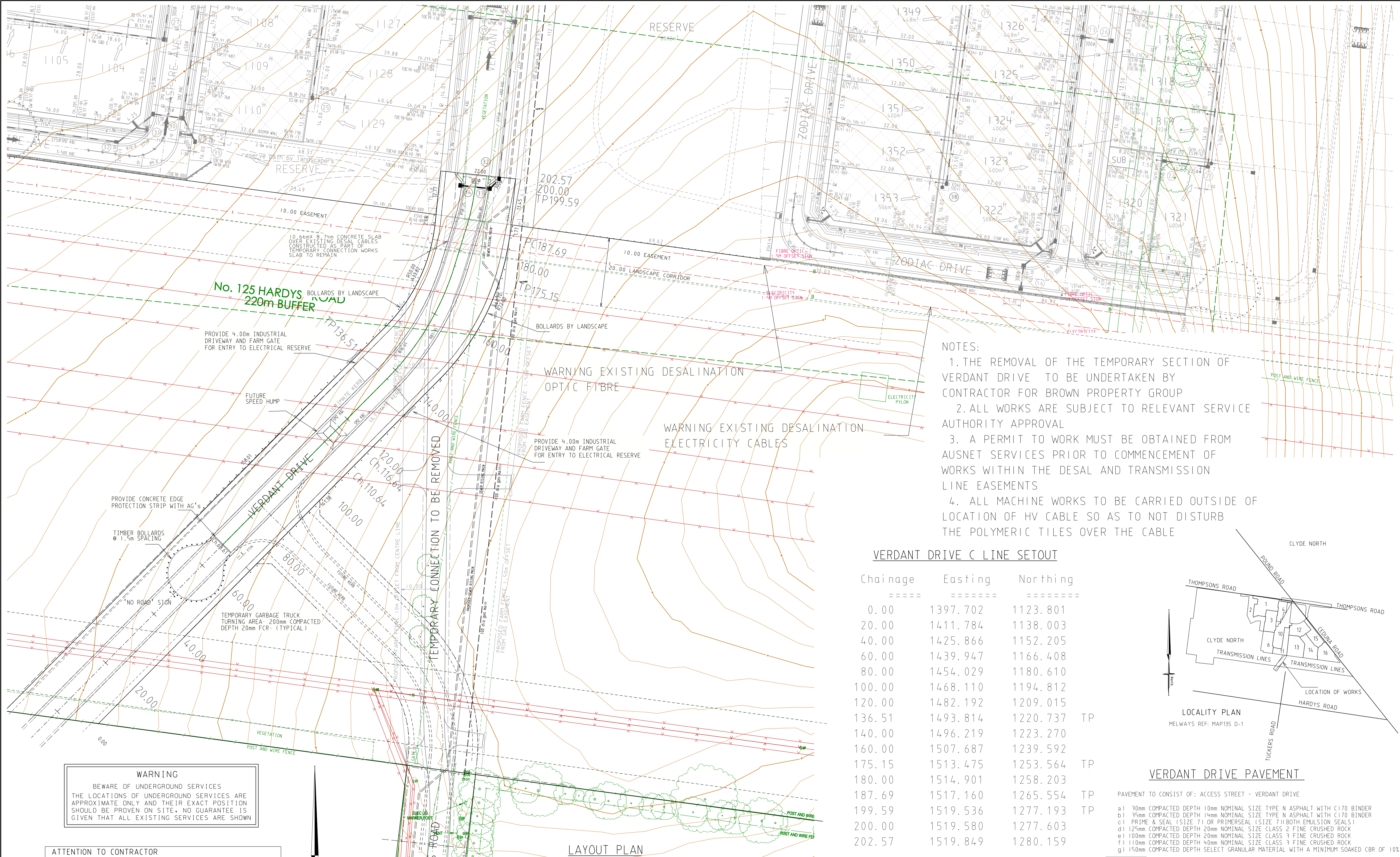


SIGN SCHEDULE

SIGN	DESCRIPTION
A	STREET NAME SIGN
B	"ROAD CLOSED" (G9-20)
C	OBSTRUCTION MARKER (D4-5)
H	SPEED HUMP (W5-10)
I	SPEED HUMP AHEAD (W3-4)

AMENDMENTS	DATE	REMARKS
E	11.06.19	CONSTRUCTION EXTENT AMENDED
B	14.03.19	STAGE 16 SPLIT TO ST 16/17
A	8.02.19	CONSTRUCTION ISSUE

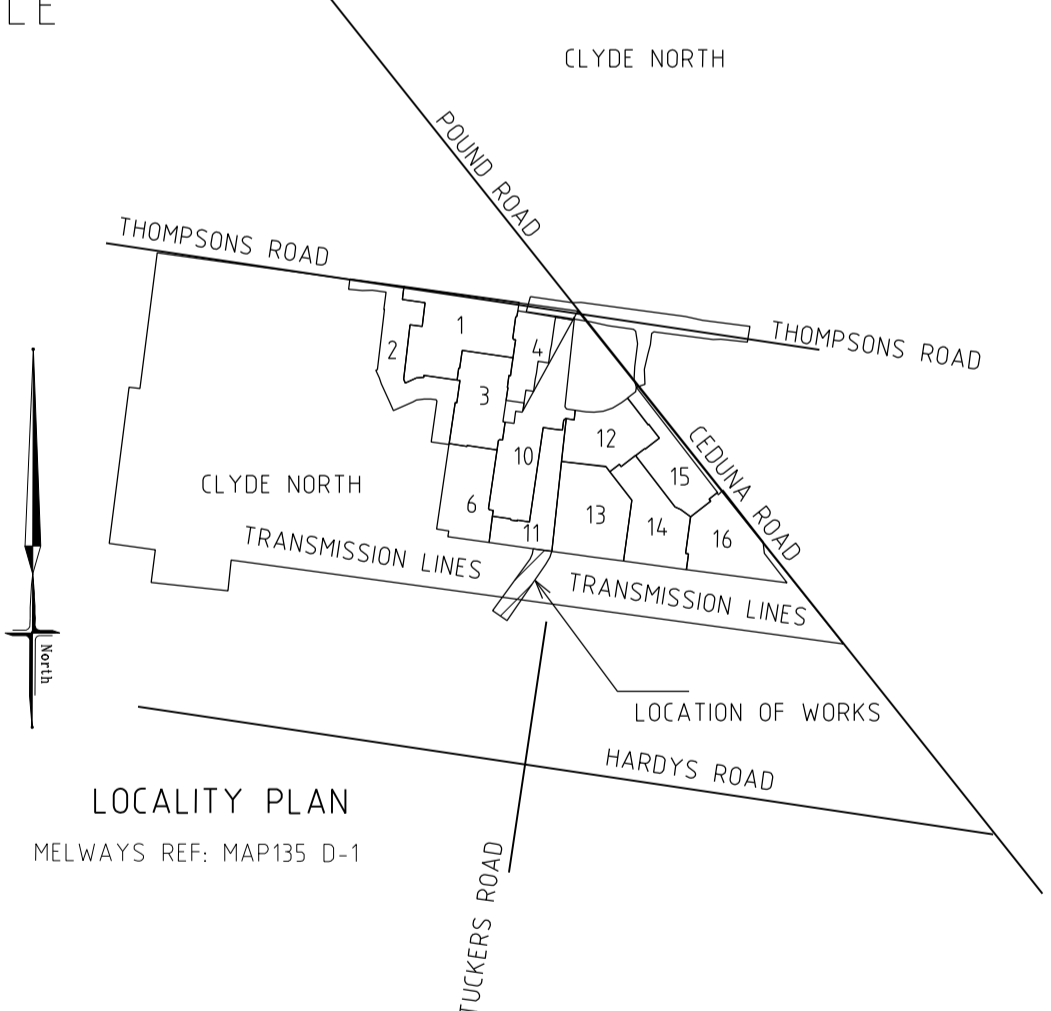
	breese pitt dixon pty. ltd. land surveyors civil engineers	1/19 colt street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310
	MELWAY REF. 131-C-12 SURVEY B.P.D. DESIGN RK DRAWN RK	MERIDIAN ESTATE STAGE 16
CHECKED	SCALE AS SHOWN DATUM AHD DATE AUG. 18	SHEET 15 OF 22



- NOTES:
1. THE REMOVAL OF THE TEMPORARY SECTION OF VERDANT DRIVE TO BE UNDERTAKEN BY CONTRACTOR FOR BROWN PROPERTY GROUP
 2. ALL WORKS ARE SUBJECT TO RELEVANT SERVICE AUTHORITY APPROVAL
 3. A PERMIT TO WORK MUST BE OBTAINED FROM AUSNET SERVICES PRIOR TO COMMENCEMENT OF WORKS WITHIN THE DESAL AND TRANSMISSION LINE EASEMENTS
 4. ALL MACHINE WORKS TO BE CARRIED OUTSIDE OF LOCATION OF HV CABLE SO AS TO NOT DISTURB THE POLYMERIC TILES OVER THE CABLE

VERDANT DRIVE C LINE SETOUT

Chainage	Easting	Northing	
0.00	1397.702	1123.801	
20.00	1411.784	1138.003	
40.00	1425.866	1152.205	
60.00	1439.947	1166.408	
80.00	1454.029	1180.610	
100.00	1468.110	1194.812	
120.00	1482.192	1209.015	
136.51	1493.814	1220.737	TP
140.00	1496.219	1223.270	
160.00	1507.687	1239.592	
175.15	1513.475	1253.564	TP
180.00	1514.901	1258.203	
187.69	1517.160	1265.554	TP
199.59	1519.536	1277.193	TP
200.00	1519.580	1277.603	
202.57	1519.849	1280.159	



VERDANT DRIVE PAVEMENT

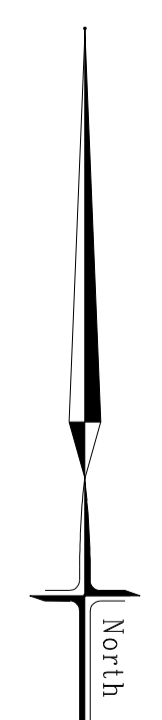
- PAVEMENT TO CONSIST OF: ACCESS STREET - VERDANT DRIVE
- a) 30mm COMPACTED DEPTH 10mm NOMINAL SIZE TYPE N ASPHALT WITH C170 BINDER
 - b) 35mm COMPACTED DEPTH 14mm NOMINAL SIZE TYPE N ASPHALT WITH C170 BINDER
 - c) PRIME & SEAL (SIZE 7) OR PRIMERSEAL (SIZE 7)(BOTH EMULSION SEALS)
 - d) 125mm COMPACTED DEPTH 20mm NOMINAL SIZE CLASS 2 FINE CRUSHED ROCK
 - e) 100mm COMPACTED DEPTH 20mm NOMINAL SIZE CLASS 3 FINE CRUSHED ROCK
 - f) 110mm COMPACTED DEPTH 40mm NOMINAL SIZE CLASS 3 FINE CRUSHED ROCK
 - g) 150mm COMPACTED DEPTH SELECT GRANULAR MATERIAL WITH A MINIMUM SOAKED CBR OF 10%
- DEPTH 550mm

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

ATTENTION TO CONTRACTOR

1. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT THE DIGITAL PLAN, PROVIDED FOR SETOUT PURPOSES, MATCHES THE T.B.M. COORDINATES SHOWN.
2. 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.

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



SERVICES OFFSETS AND LOCATIONS

STREET NAME	Rd. RESERVE	WATER			GAS		ELECTRICITY		FIBRE TO THE HOME		Bk. of KERB	JOINT TRENCHING
		DW	NDW			CABLES	POLES	CABLES	PITS			
VERDANT DRIVE	22-00	3-05 W #	2-55 W #	2-10 W #	5-20 E #	0-90 BOK #	4-55 E #	4-55 E #	7-05		E, T/G, W	

NO SERVICES WITHIN ELECTRICITY TRANSMISSION EASEMENT

AMENDMENTS	DATE	REMARKS	CHECKED
E	11.06.19	CONSTRUCTION EXTENT AMENDED	MELWAY REF. 131-C-12
C	22.05.19	STAGE 16 PLAN OF SUBDIVISION AMENDED	SURVEY B.P.D.
B	14.03.19	STAGE 16 SPLIT TO ST 16/17	DESIGN RK
A	8.02.19	CONSTRUCTION ISSUE	DRAWN RK

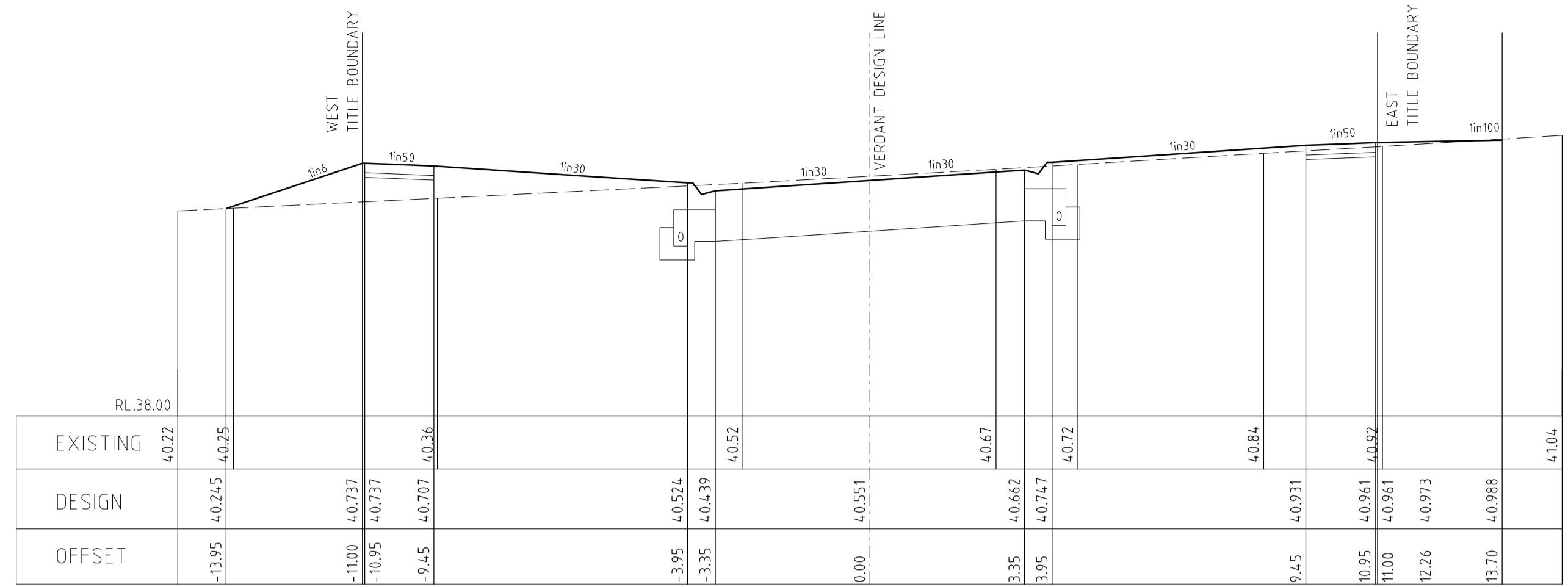
breese pitt dixon pty. ltd.
land surveyors civil engineers

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

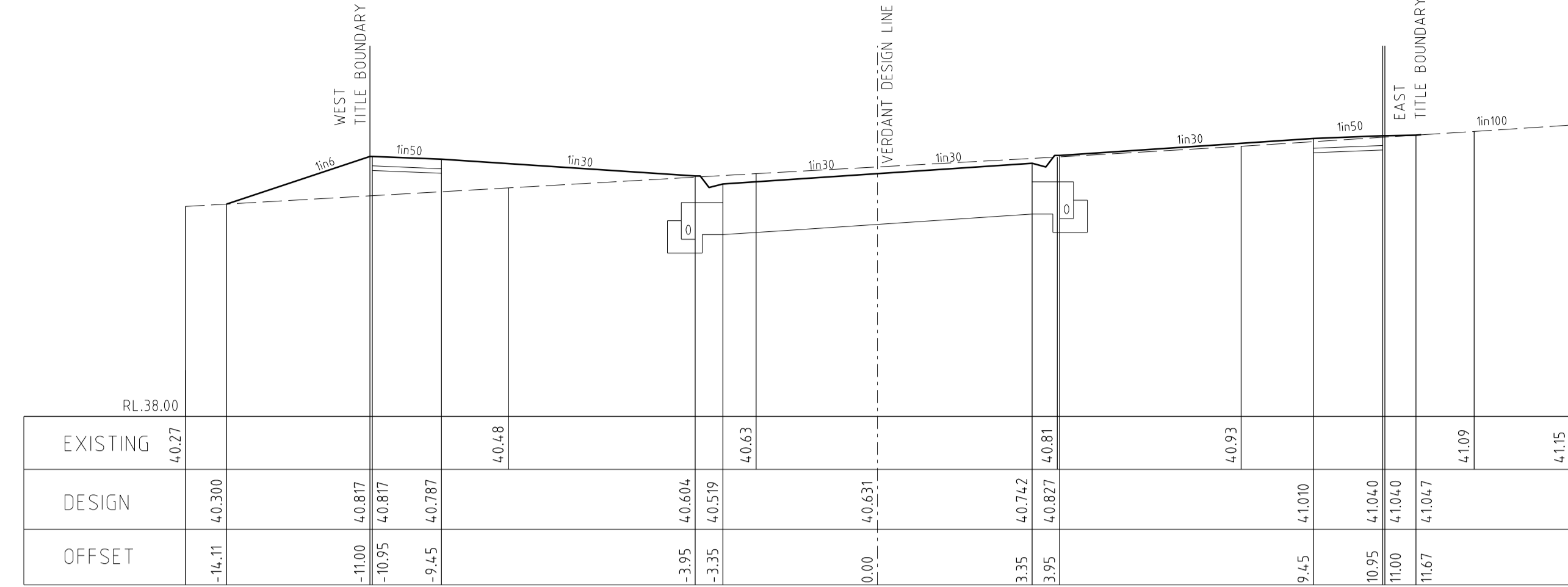
MERIDIAN ESTATE
STAGE 16

MUNICIPALITY CASEY
REFERENCE 8129 E/16
SHEET 16 OF 22

SCALE AS SHOWN DATUM AHD DATE AUG. 18 SHEET 16 OF 22



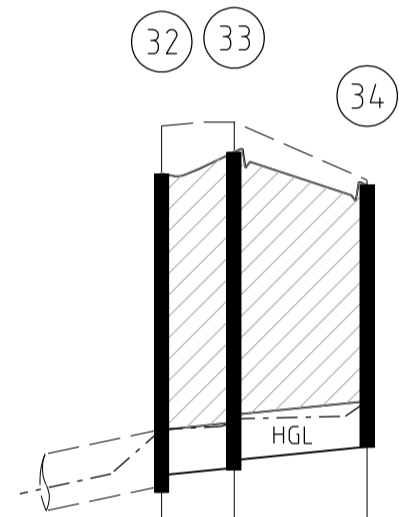
68.61



80.00

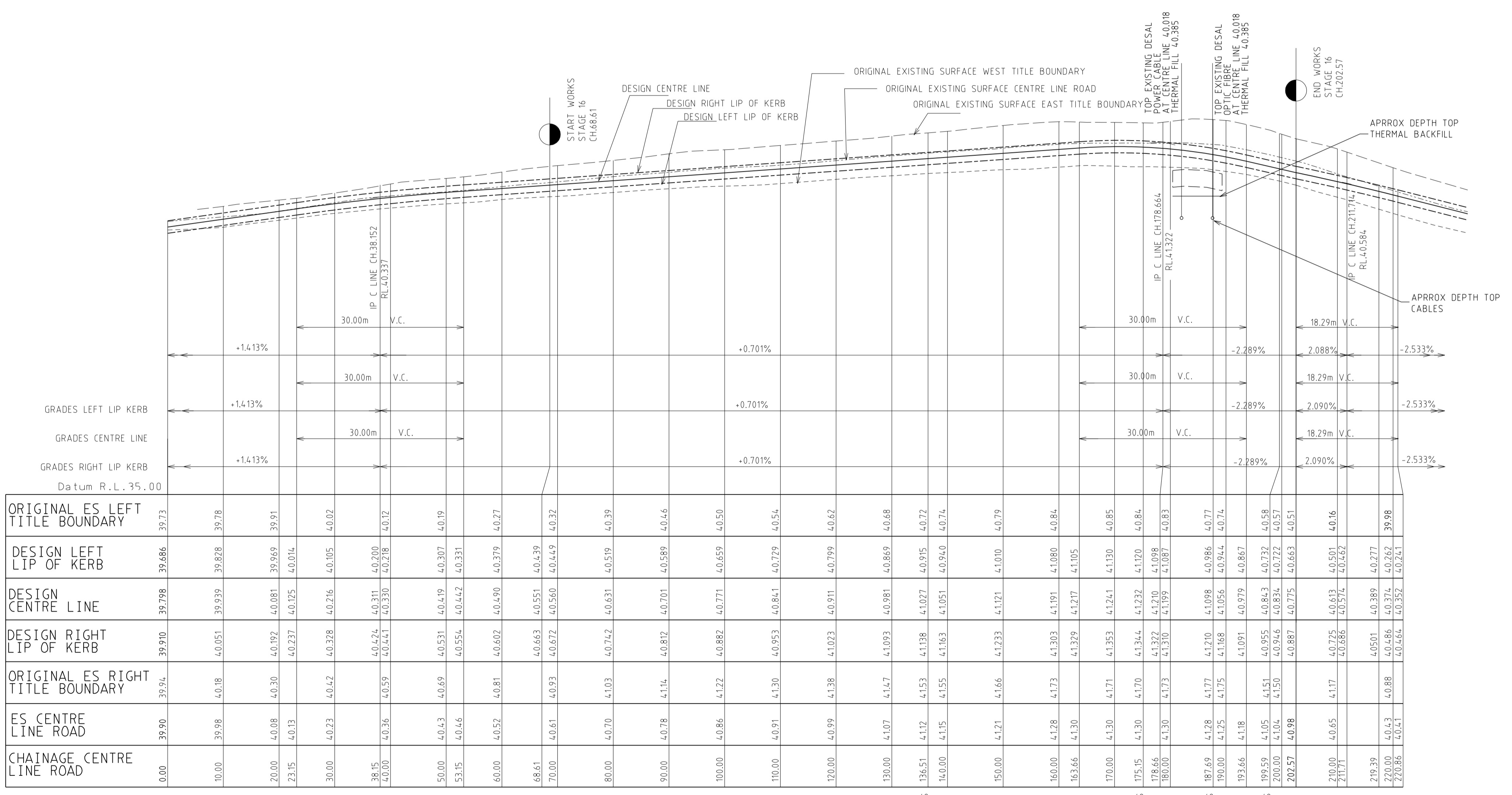
VERDANT DRIVE CROSS SECTIONS

SCALE Hor. 1:100
Vert 1:50



DESIGN DISCHARGE (l/s) 5yr	43	4
CAPACITY (ks=0.60) (l/s)	114	114
VELOCITY (full) (m/s)	1.62	1.62
DIAMETER (1 IN.....)	300	300
GRADE	RRJ	RRJ
Datum R.L. 35.00	100	100

DEPTH TO INVERT	2.080	1.725
HGL LEVEL	38.850	38.975
DESIGN INVERT LEVEL	38.925	39.025
FINISHED SURFACE LEVEL	40.919	41.062
EXISTING SURFACE LEVEL	41.73	41.76
CHAINAGE	0.00	4.79



VERDANT DRIVE LONGITUDINAL SECTION

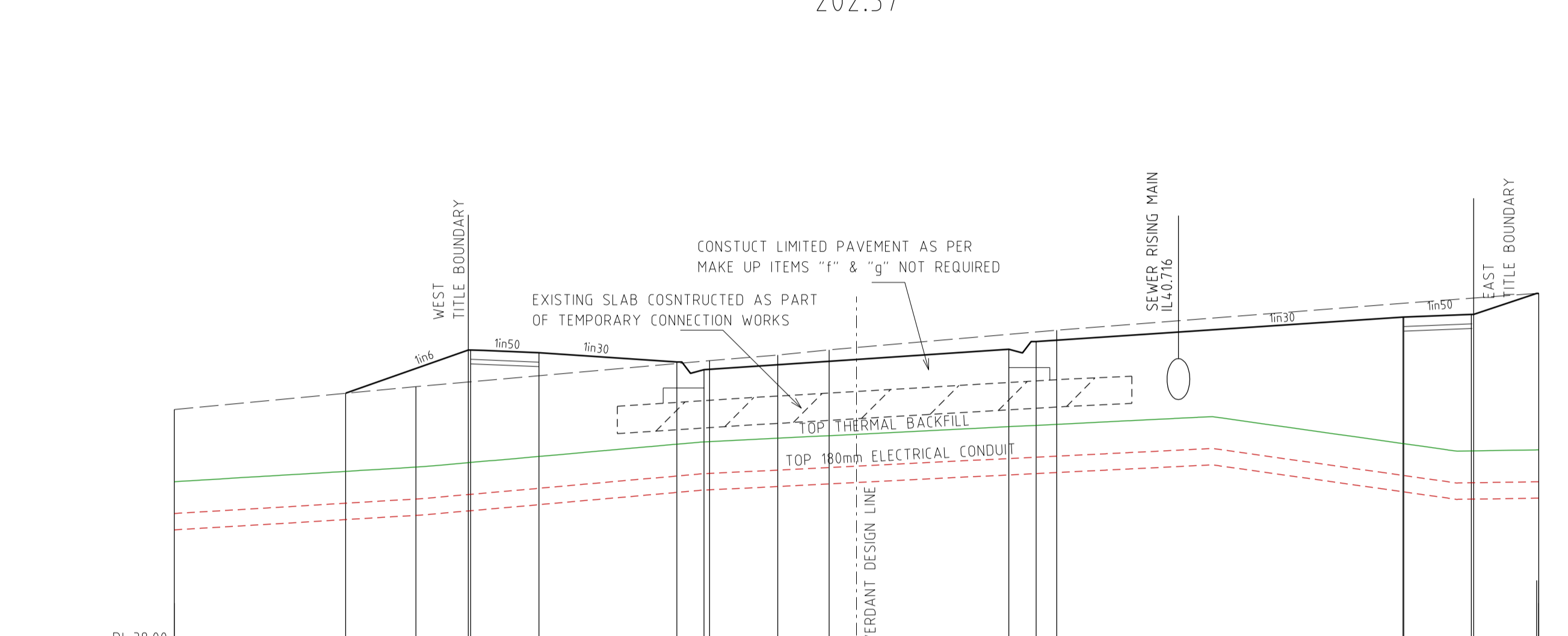
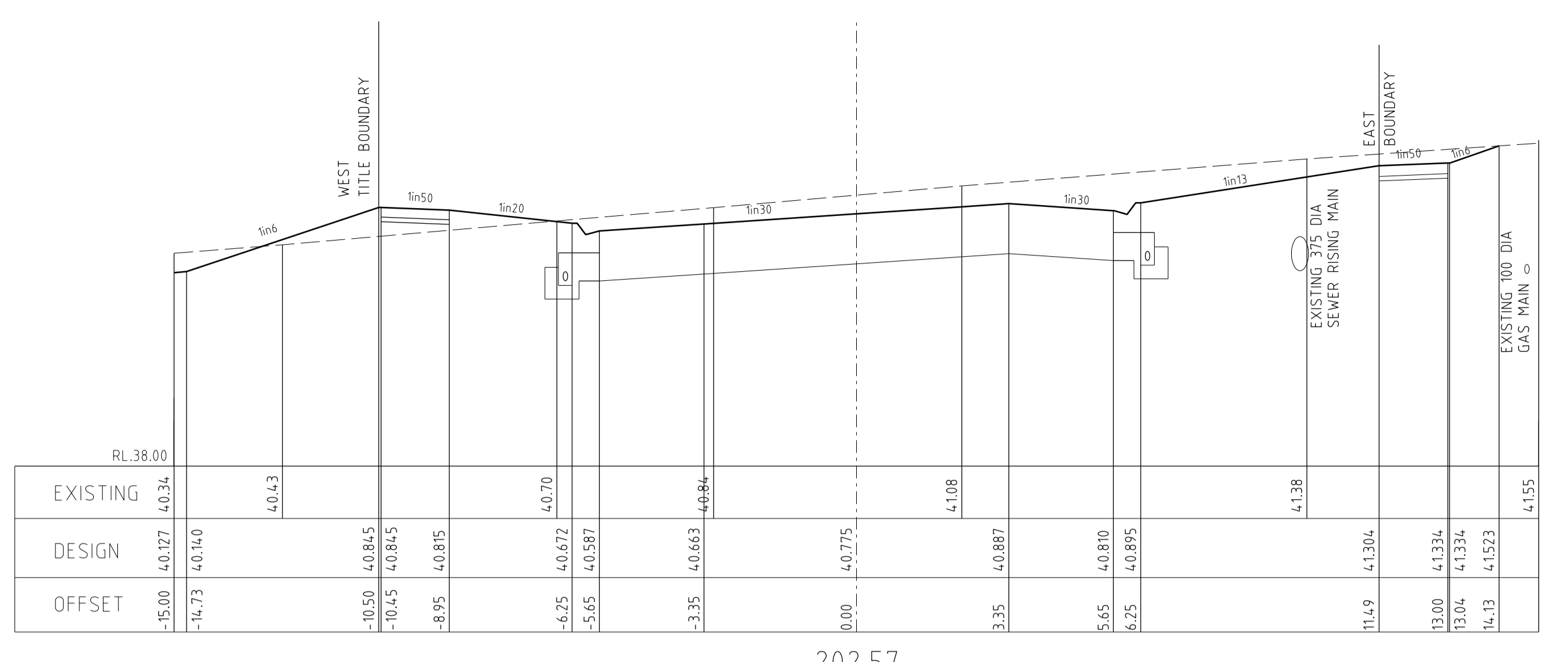
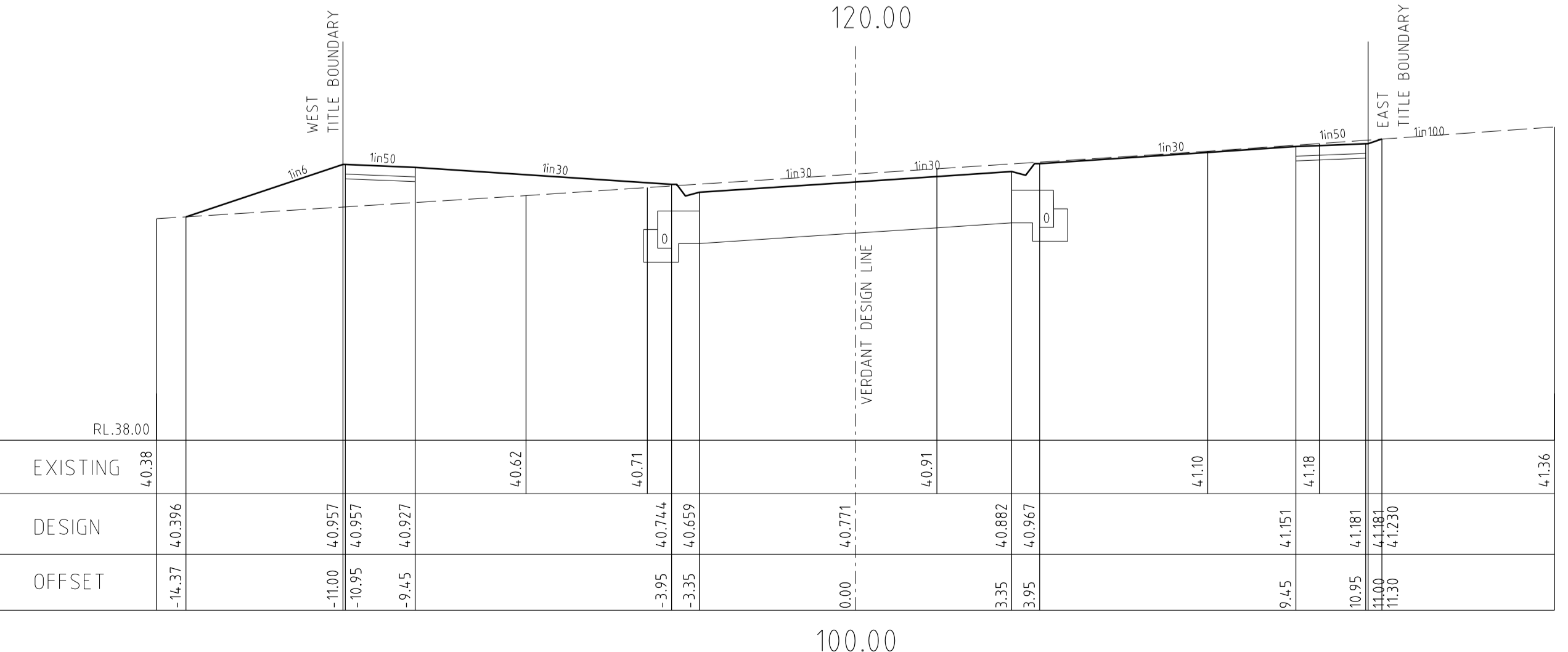
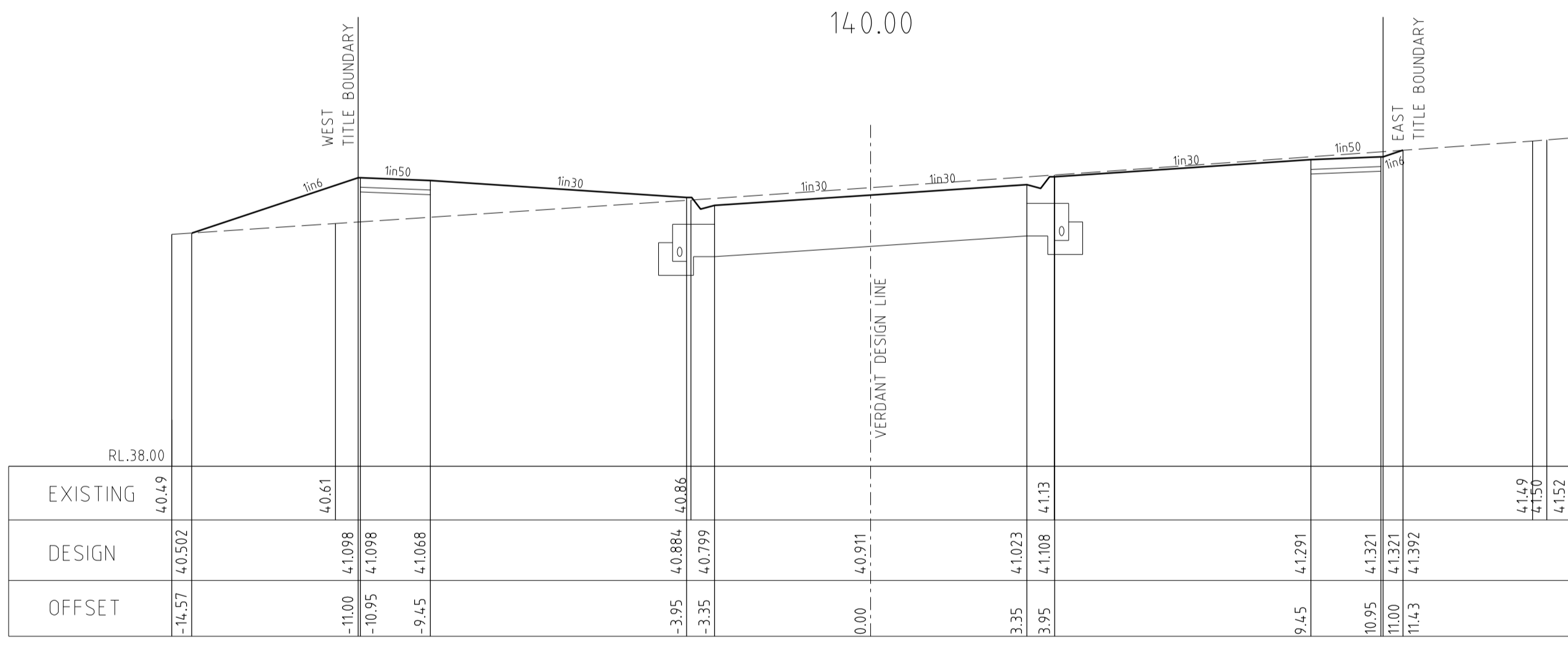
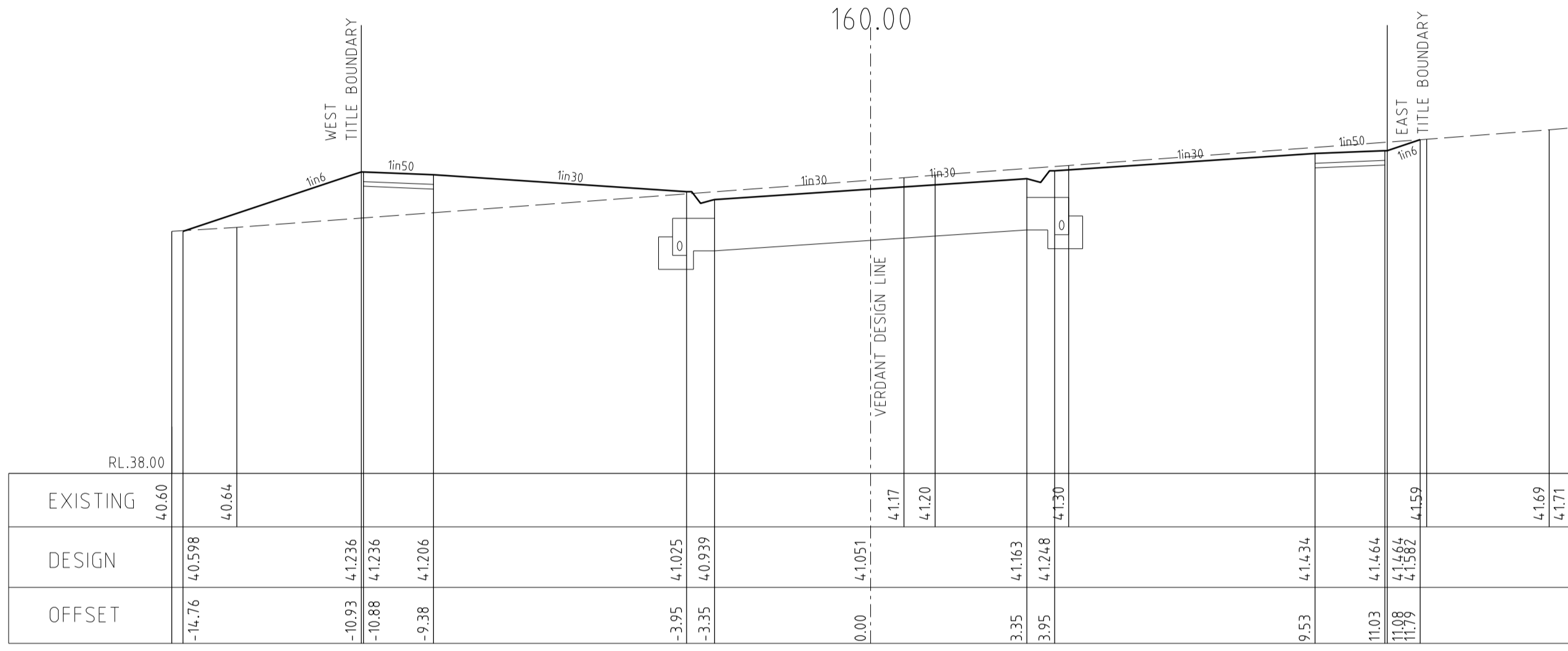
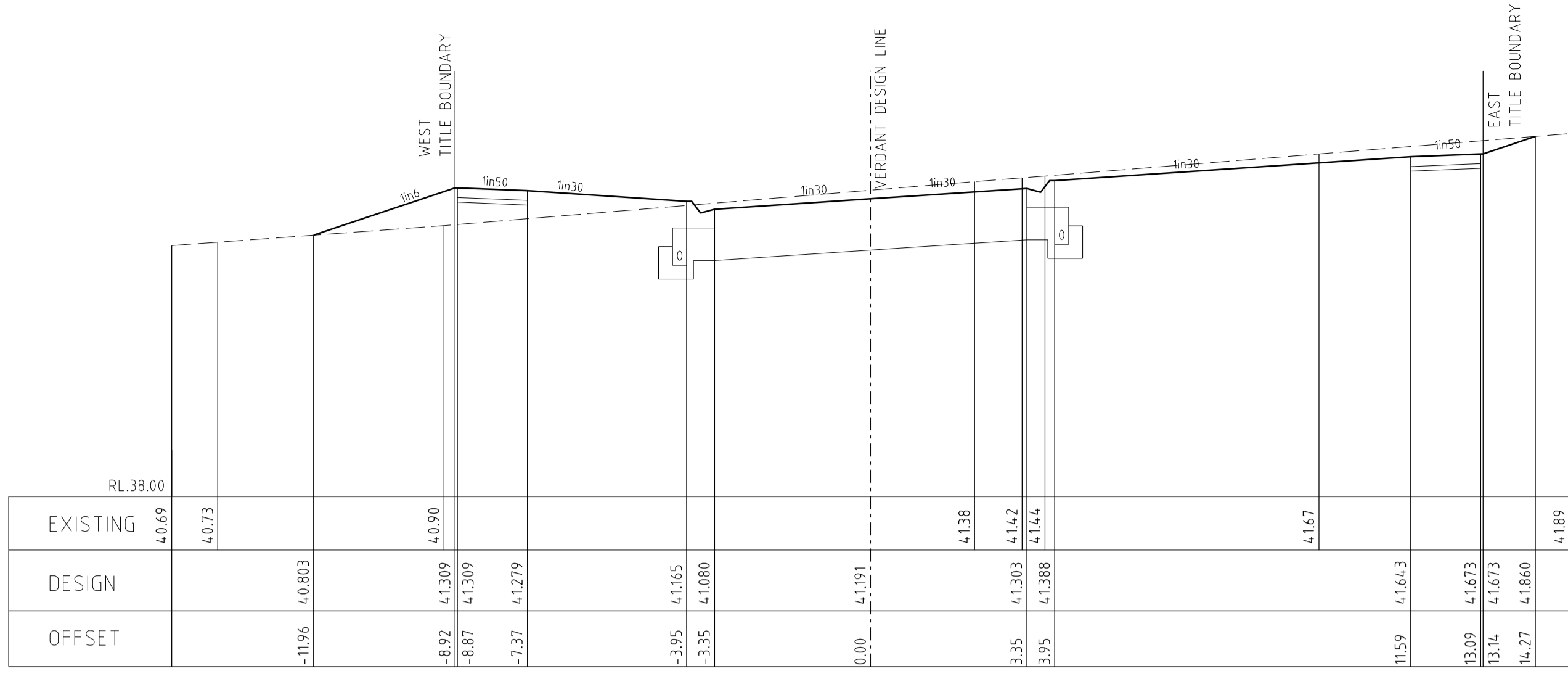
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PIT SCHEDULE

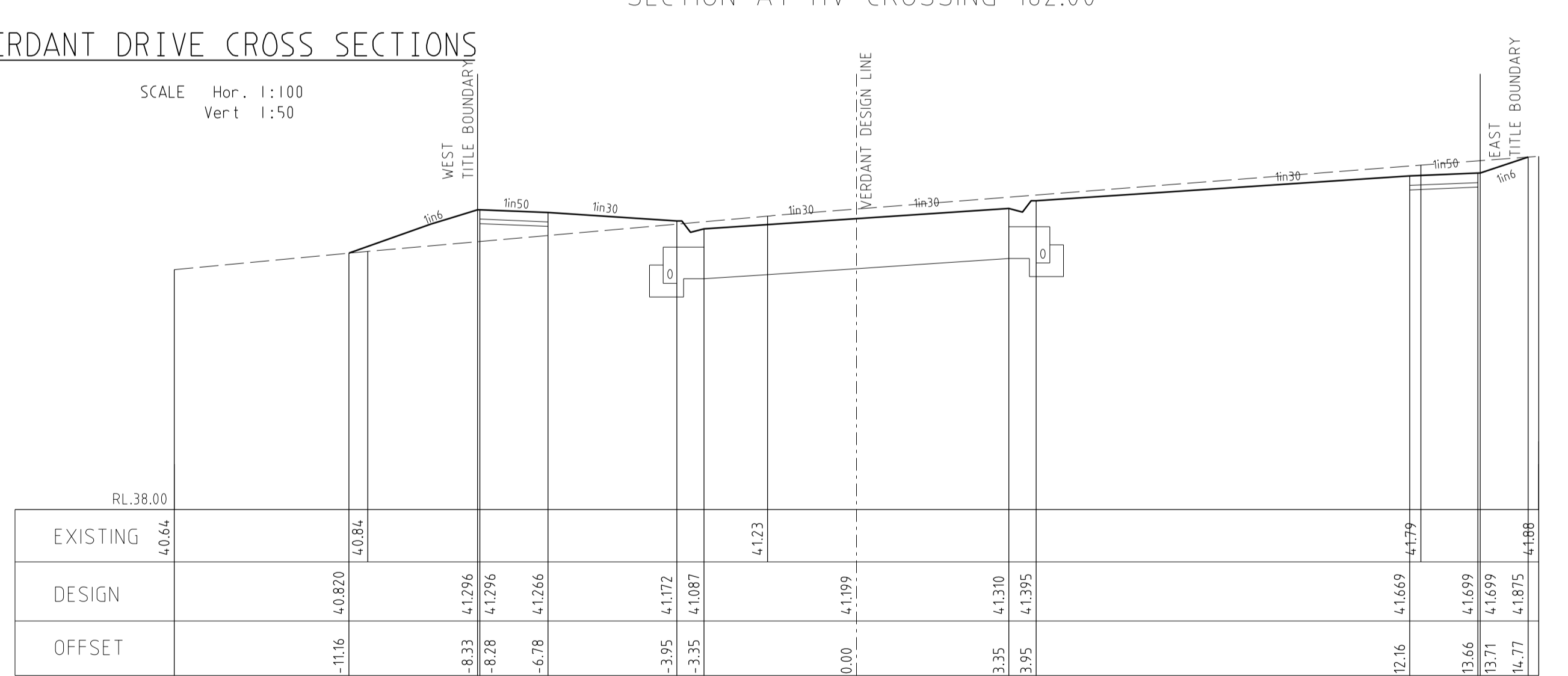
PIT No.	PIT TYPE	SIZE L x W	INLET DIA	INLET I.L.	OUTLET DIA	OUTLET I.L.	COVER LEVEL	PIT DEPTH	REMARKS
32	J.P.	900x600	300	38.925	EX 375	38.850	4.0919	2.080	EDCM 605 CONSTRUCT PIT OVER EXISTING 375 DIA DRAIN
33	G.S.E.P.	900x600	300	39.025	300	38.975	4.1062	2.087	EDCM 603/605
34	G.S.E.P.	900x600	-	-	300	39.115	4.0844	1.725	EDCM 603/605

AMENDMENTS	DATE	REMARKS	CHECKED	SCALE	AS SHOWN	DATUM	AHD	DATE	AUG. 18	SHEET	17 OF 22
E	11.06.19	CONSTRUCTION EXTENT AMENDED	MELWAY REF.	131-C-12							
C	22.05.19	STAGE 16 PLAN OF SUBDIVISION AMENDED	SURVEY	B.P.D.							
B	14.03.19	STAGE 16 SPLIT TO ST 16/17	DESIGN	RK							
A	8.02.19	CONSTRUCTION ISSUE	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
MERIDIAN ESTATE STAGE 16		MUNICIPALITY CASEY
SCALE AS SHOWN		REFERENCE 8129 E/16

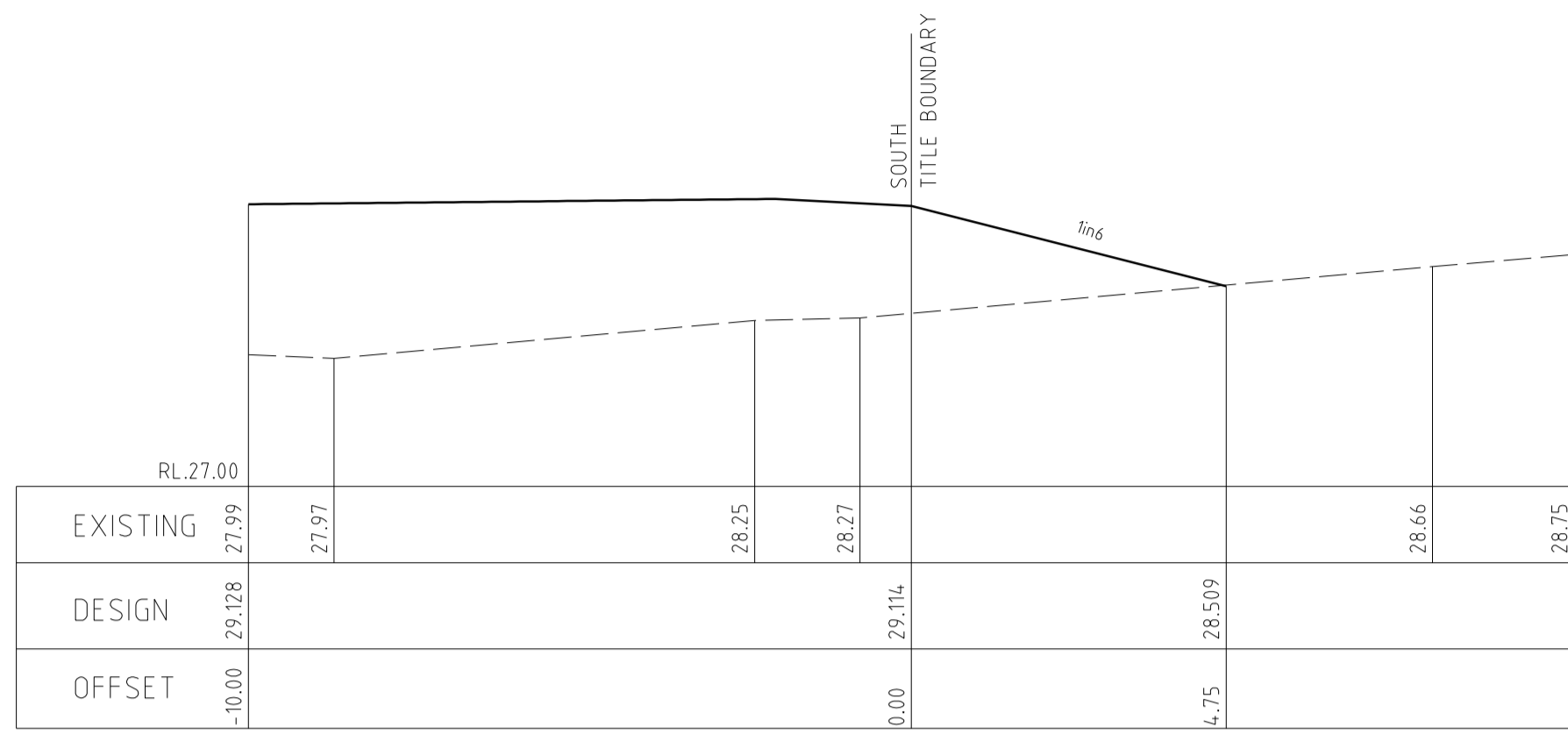


SECTION AT HV CROSSING 182.00
VERDANT DRIVE CROSS SECTIONS
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Vert 1:50

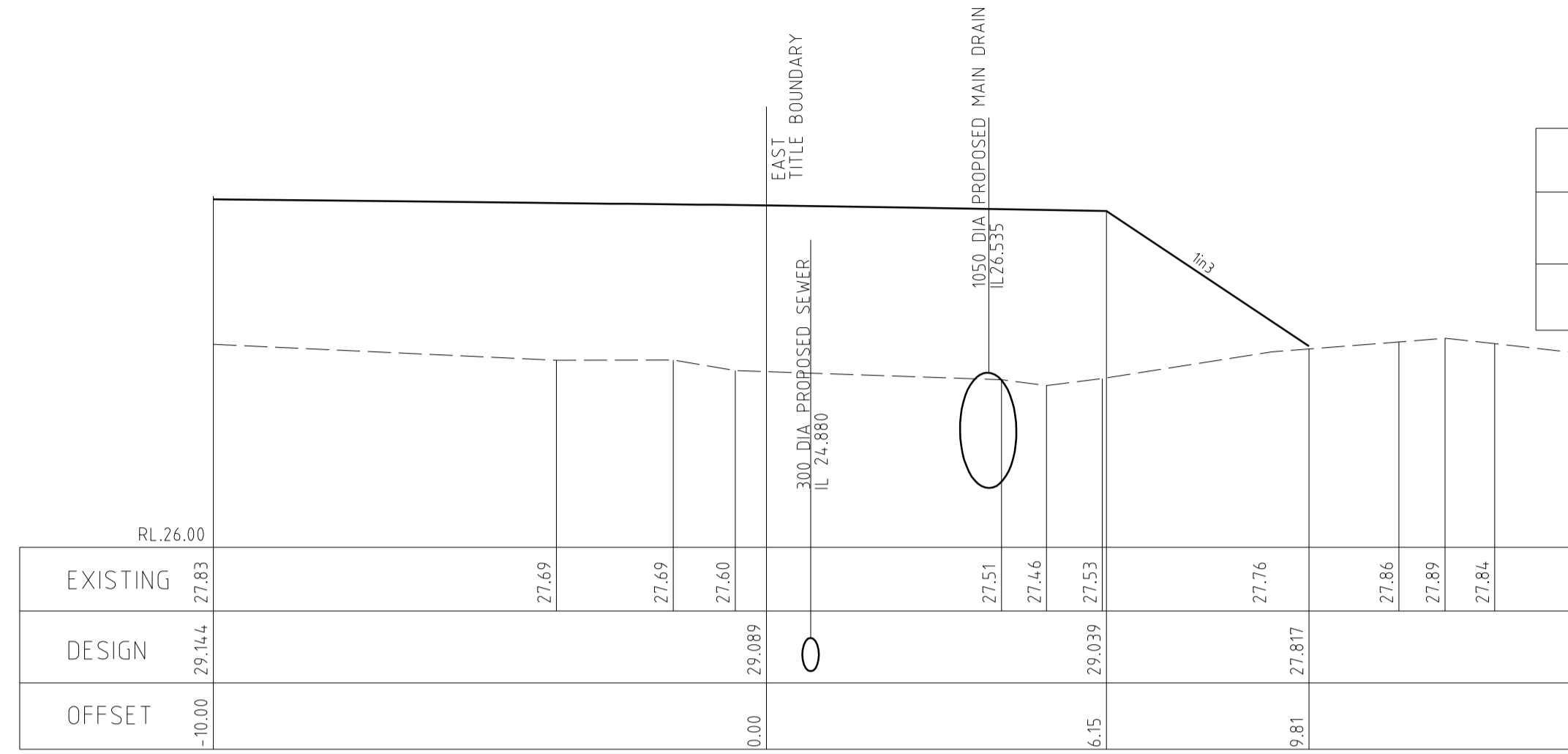


180.00

DESIGN				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. 131-C-12	MUNICIPALITY		
E 11.06.19 CONSTRUCTION EXTENT AMENDED			SURVEY B.P.D.	CASEY		
C 22.05.19 STAGE 16 PLAN OF SUBDIVISION AMENDED			DESIGN RK	REFERENCE		
B 14.03.19 STAGE 16 SPLIT TO ST 16/17			DRAWN RK	8129 E/16		
A 8.02.19 CONSTRUCTION ISSUE			CHECKED	SHEET 18 OF 22 E		
VER.	DATE	REMARKS	SCALE AS SHOWN	DATUM AHD	DATE AUG. 18	SHEET 18 OF 22 E



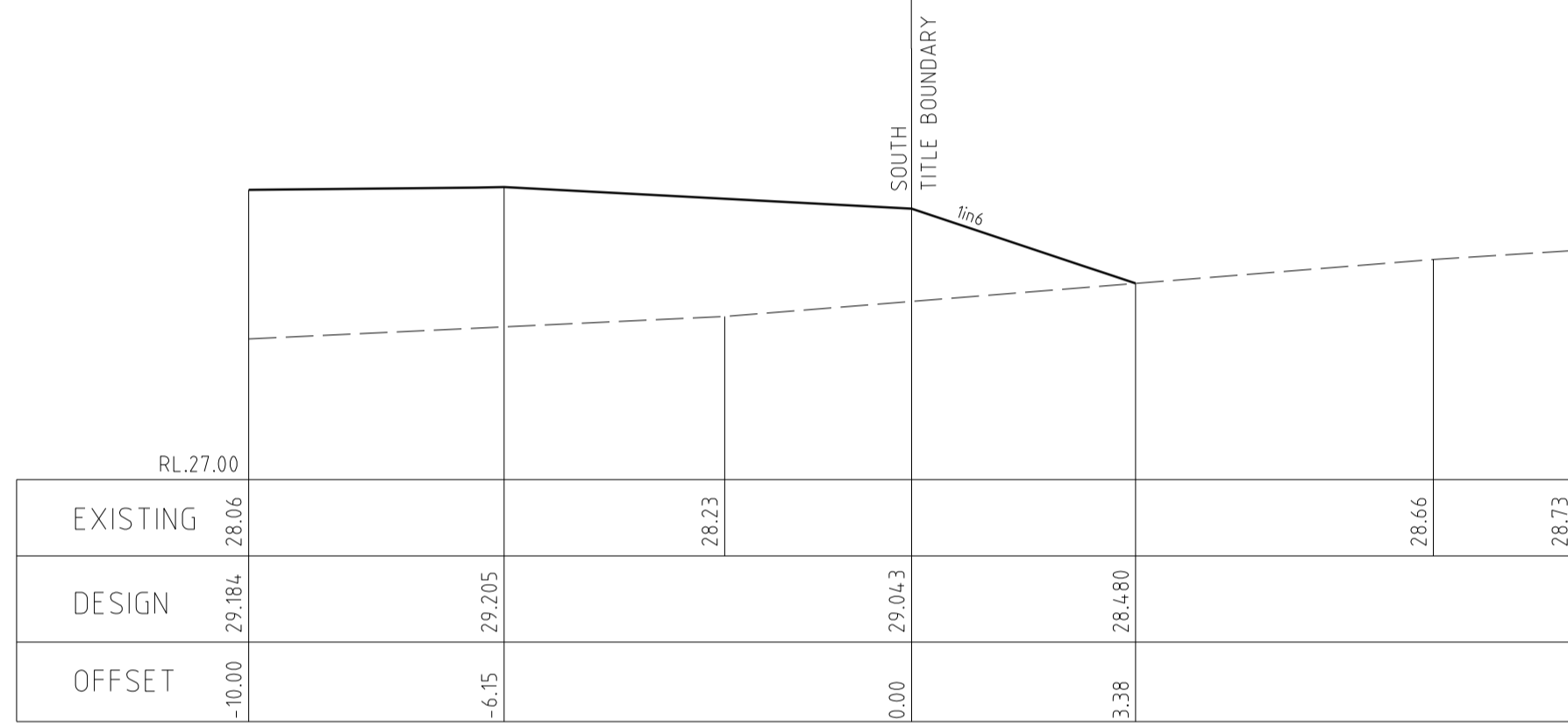
section 4



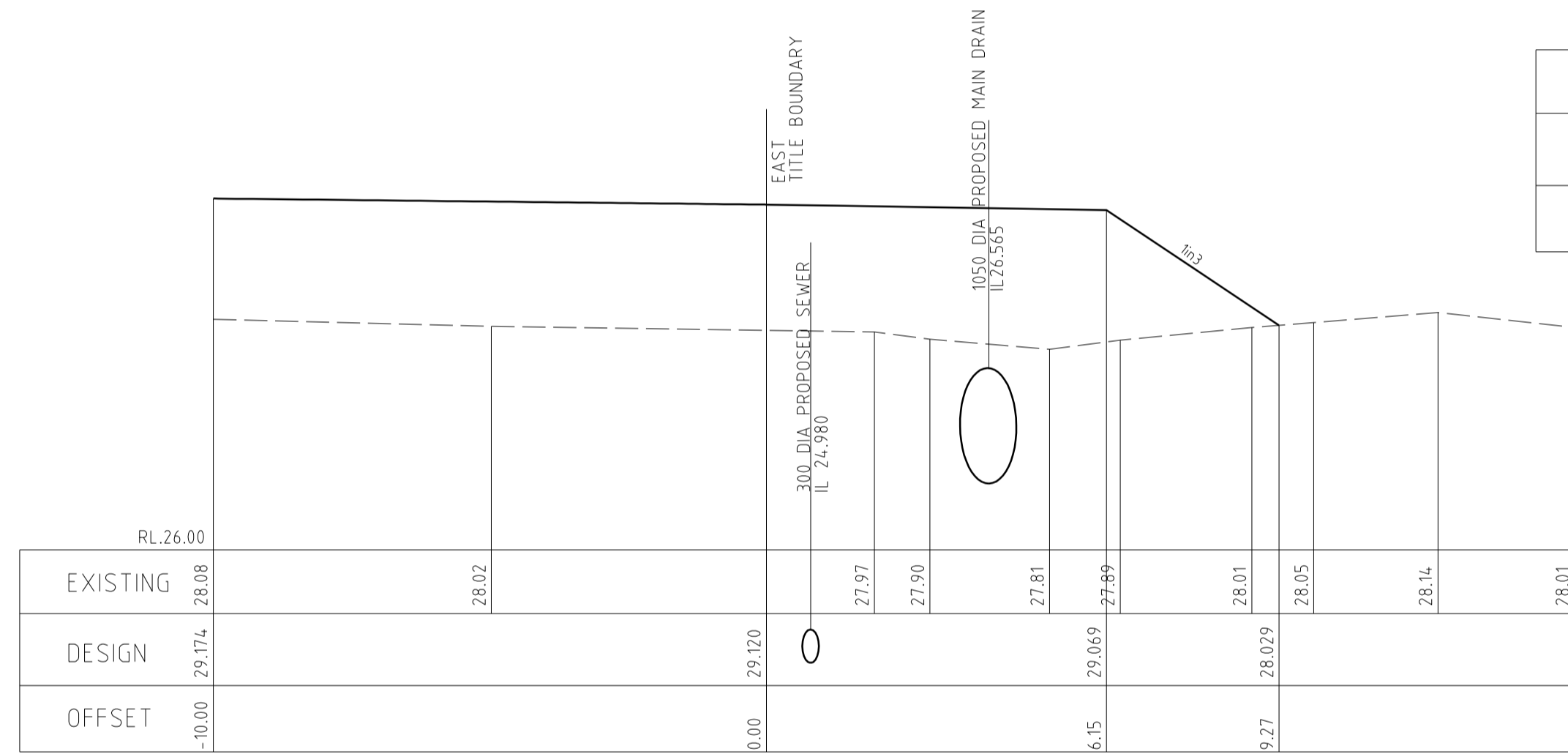
section 7

RL	EXISTING	DESIGN	OFFSET
26.00	27.78	28.852	-10.00
		28.914	-6.88
		28.820	-3.41
		28.917	-2.55
		27.59	0.00
		27.59	
		27.52	
		27.47	6.13
		27.71	
		27.62	
		27.48	
		27.57	10.24
		27.584	
		27.60	
		27.65	
		27.57	
		27.54	

SECTION 10



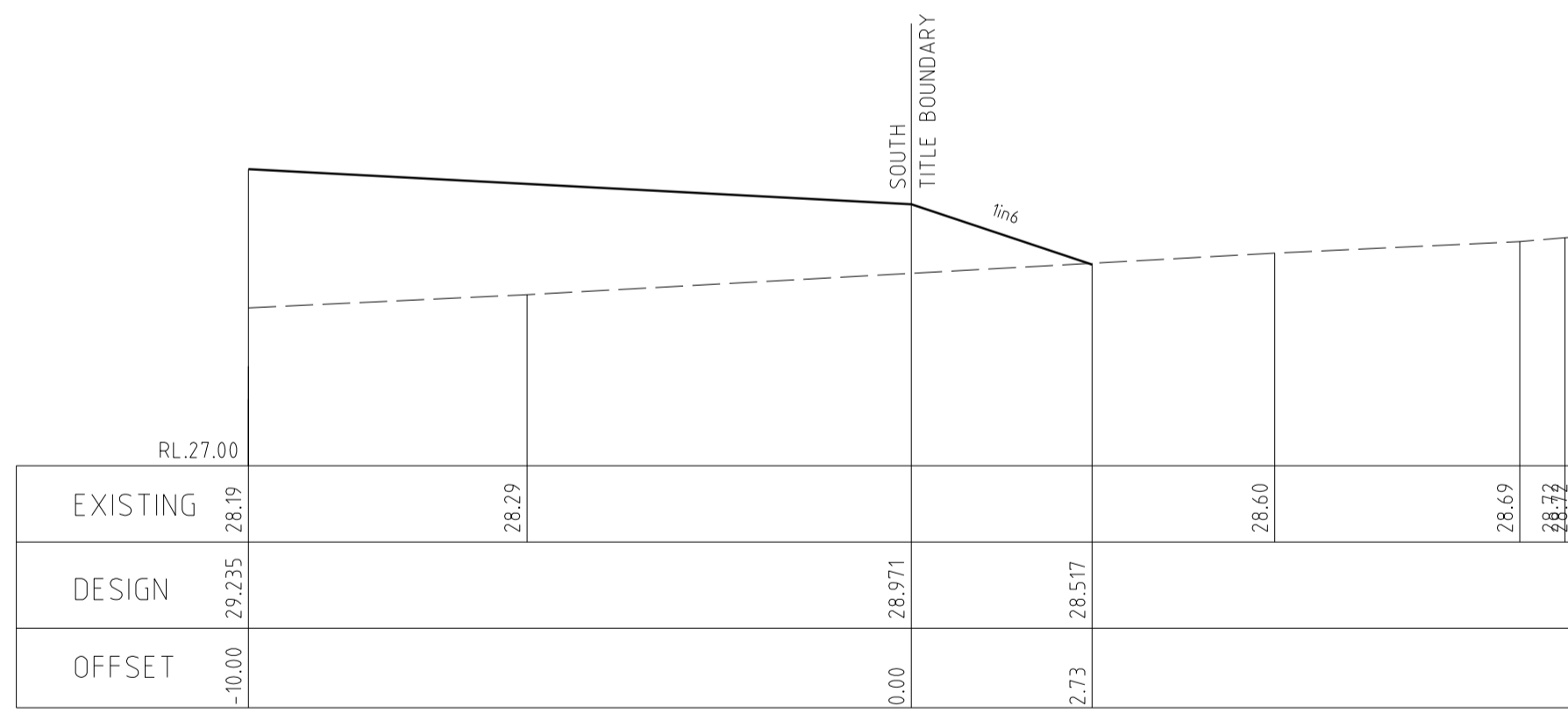
section 3



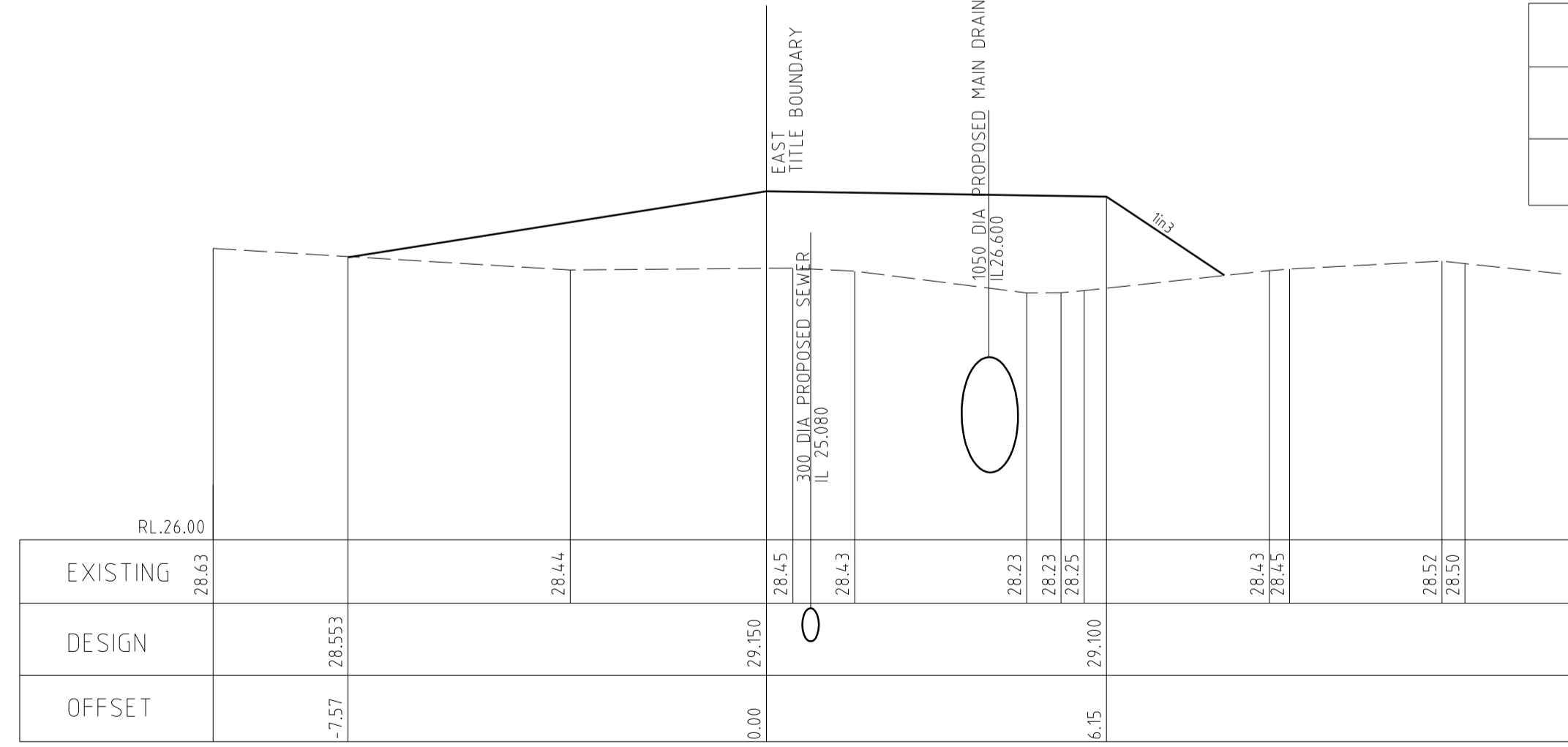
section 6

RL	EXISTING	DESIGN	OFFSET
26.00	27.67	29.082	-10.00
		27.55	
		27.49	
		27.49	
		29.027	0.00
		27.33	
		27.45	
		27.08	
		27.07	
		27.56	
		27.80	
		27.57	
		27.59	
		27.596	10.29
		27.66	
		27.58	

section 9



section 2



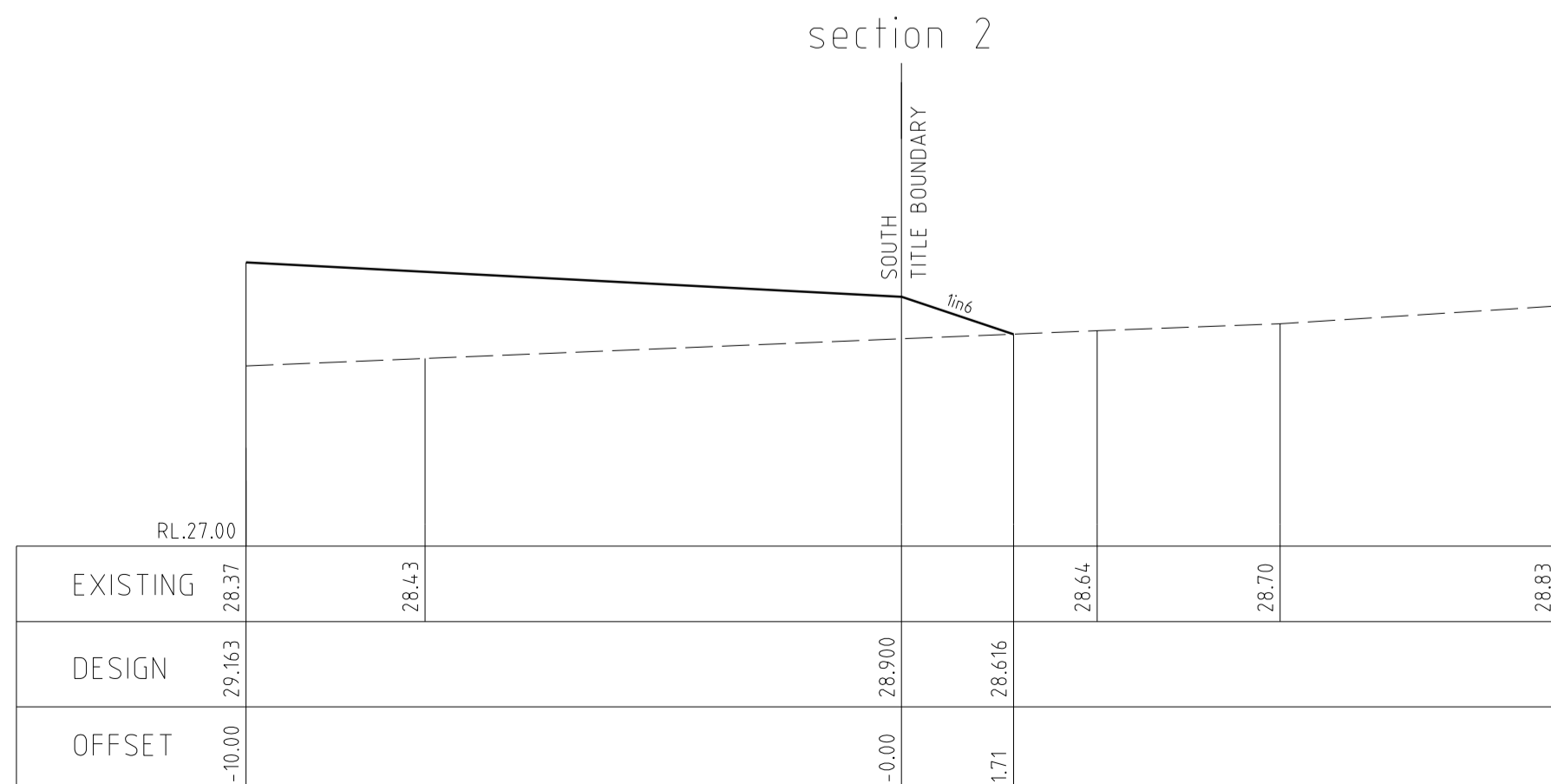
section 5

RL	EXISTING	DESIGN	OFFSET
26.00	27.68	29.113	-10.00
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		27.57	
		27.56	
		27.54	
		29.058	-0.00
		27.40	
		27.35	
		27.08	
		27.59	
		27.62	
		27.64	
		27.690	10.10
		27.74	
		27.70	
		27.58	

section 8

EASTERN RESERVE BOUNDARY CROSS SECTIONS

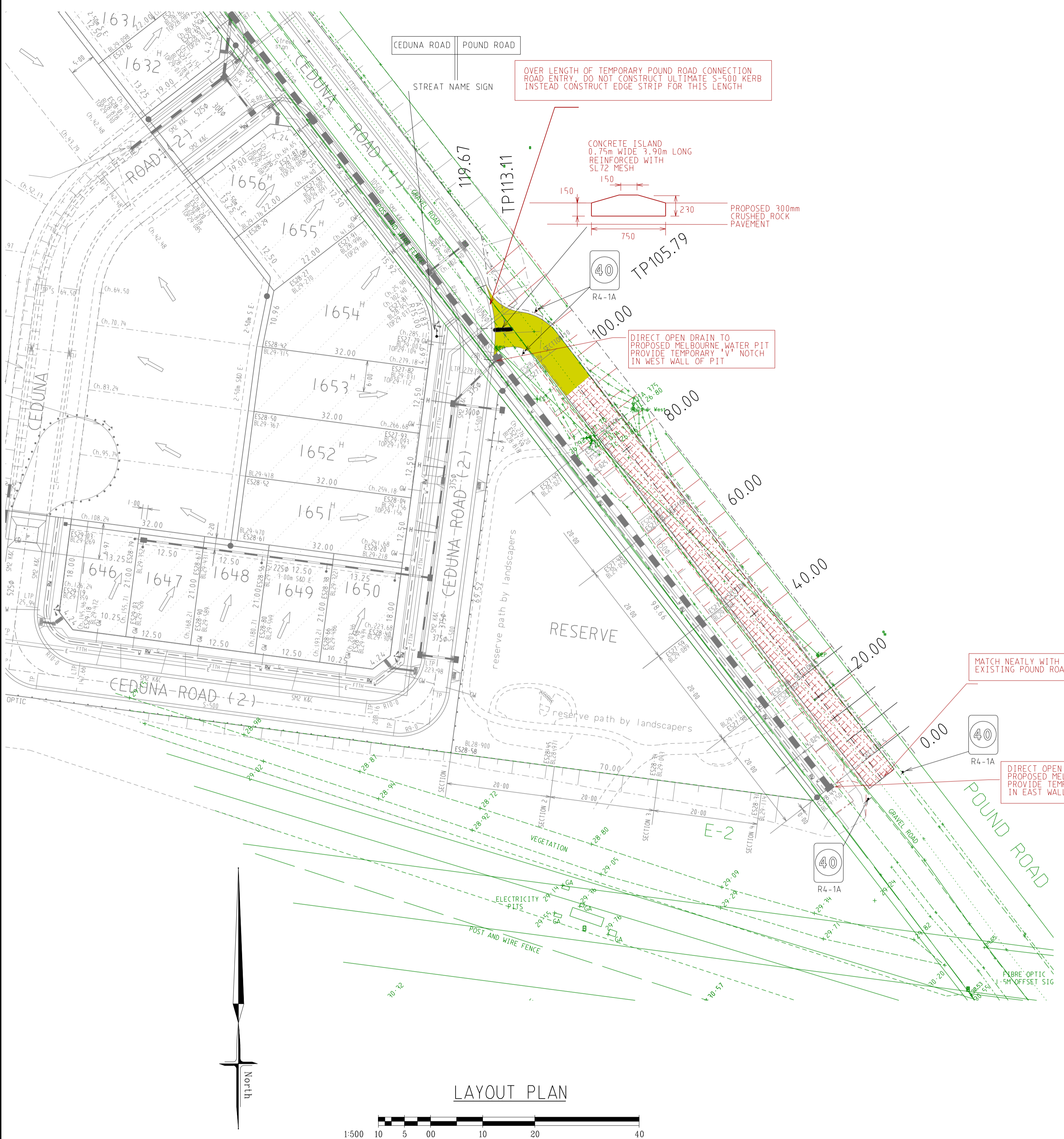
SCALE Hor. 1:100
Ver 1:50



section 1

		breese pitt dixon Pty. Ltd. land surveyors civil engineers		1/19 colo street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
MELWAY REF. 131-C-12		SURVEY B.P.D.		MUNICIPALITY CASEY	
DESIGN RK		DRAWN RK		REFERENCE 8129 E/16	
CHECKED		DATE AUG. 18		SHEET 19 OF 22	
SCALE AS SHOWN		DATUM AHD		DATE	

AMENDMENTS	DATE	REMARKS
E	11.06.19	CONSTRUCTION EXTENT AMENDED
C	22.05.19	STAGE 16 PLAN OF SUBDIVISION AMENDED
B	14.03.19	STAGE 16 SPLIT TO ST 16/17
A	8.02.19	CONSTRUCTION ISSUE

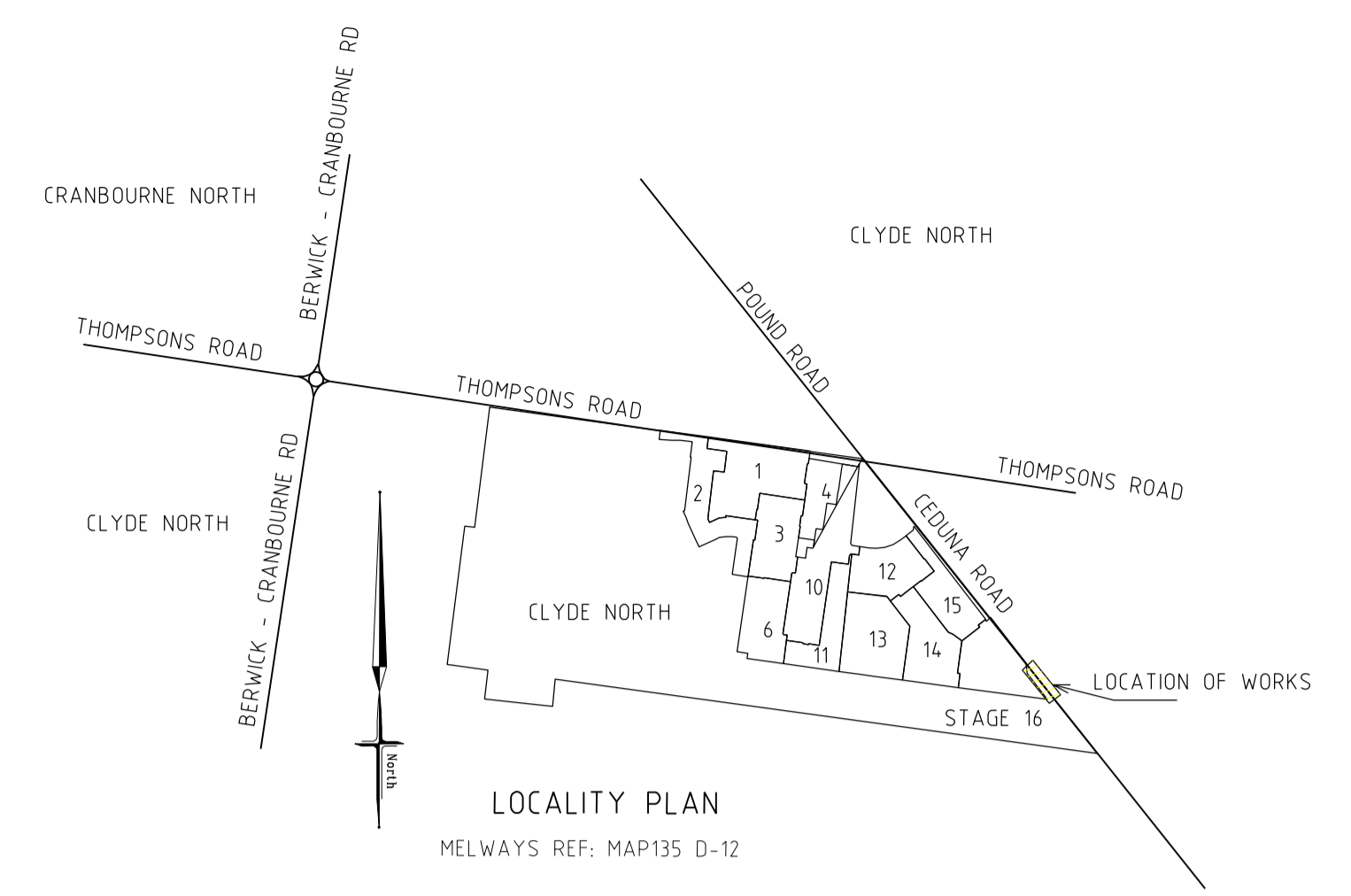


TRAFFIC SIGN NOTES

- ALL SIGNS AND TRAFFIC CONTROL MEASURES, SHALL BE IN ACCORDANCE WITH AS1742.2. 1, 2 & 3

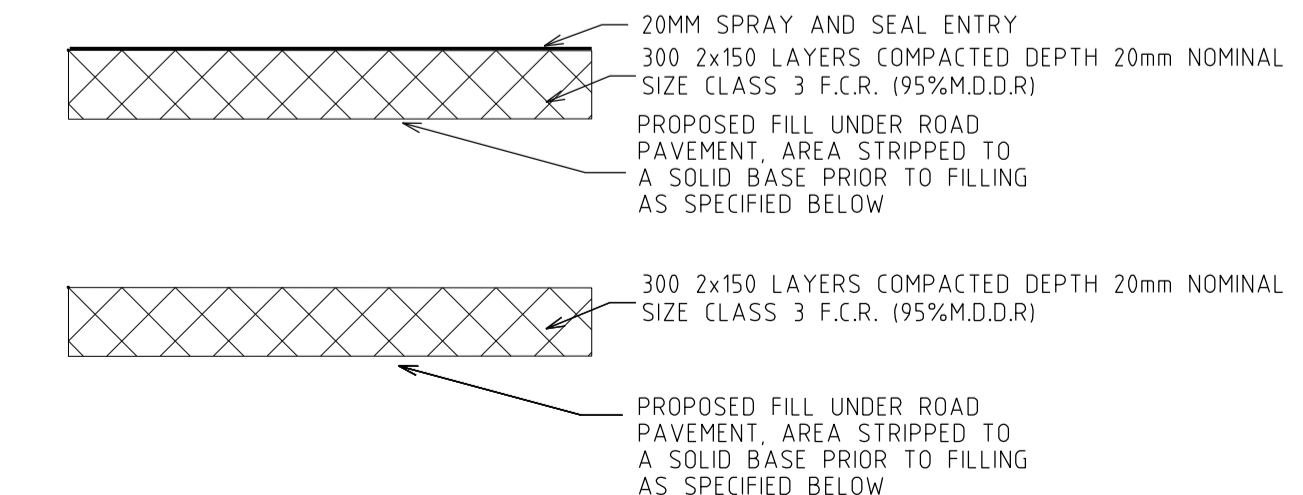
GENERAL NOTES

- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH AS2124-1992 GENERAL CONDITIONS OF CONTRACT AND THE CITY OF CASEY AND VPA CURRENT SPECIFICATION AND STANDARD DRAWINGS AND TO THE SATISFACTION OF THE CITY OF CASEY WORKS SUPERVISOR.
- COUNCIL TO BE NOTIFIED TWO (2) CLEAR DAYS PRIOR TO COMMENCEMENT OF WORKS.
- 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.
- 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.
- 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 CASEY 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.
- TELSTRA/NBN Co TO BE NOTIFIED SEVEN (7) DAYS PRIOR TO CONCRETE WORKS BEING PLACED.
- ALL STREET SIGNS TO BE CONSTRUCTED AND ERECTED TO CURRENT CITY OF CASEY STANDARDS INCLUDING LOGO. COURT STREET NAMES ARE TO SHOW COURT NAME ONLY.



LAYOUT PLAN
1:500

POUND ROAD TEMPORARY PAVEMENT UPGRADE



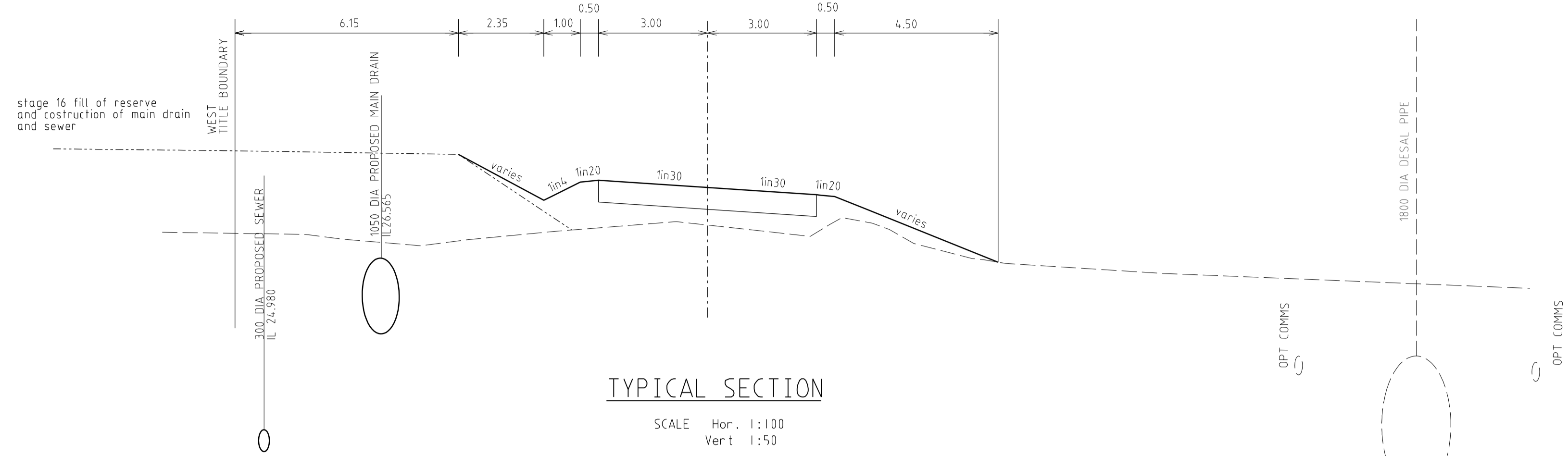
PRIOR TO ANY FILLING ROADWAYS ALL TOPSOIL IS TO BE REMOVED AND STOCKPILED, THE FILL MUST BE APPROVED CLAY FILL, CONSOLIDATED IN 150mm COMPACTED LAYERS TO A DRY DENSITY OF 98% STANDARD COMPACTION IN ACCORDANCE WITH AS3798-2007, SECTION 8.2 LEVEL 1 ("GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL 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.

DESIGN LINE SETOUT

Chainage	Easting	Northing	
0.00	2171.749	1186.501	
20.00	2159.517	1202.325	
40.00	2147.285	1218.148	
60.00	2135.053	1233.971	
80.00	2122.821	1249.795	
100.00	2110.589	1265.618	
105.79	2107.046	1270.201	TP
113.11	2100.653	1273.140	TP
119.67	2094.100	1272.803	

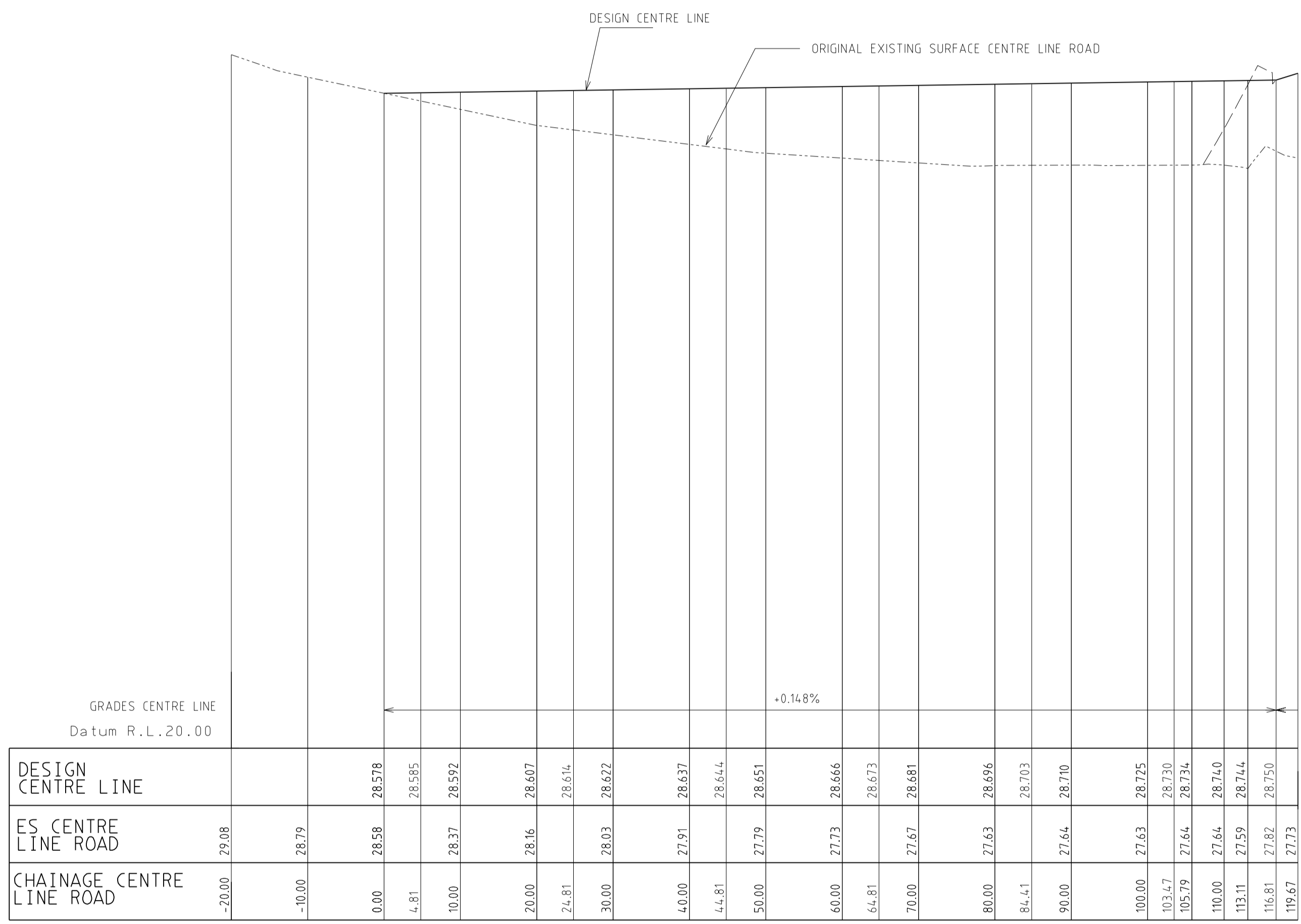
- TRAFFIC CONTROL SIGNS, MARKINGS & DELINEATORS TO BE INSTALLED IN ACCORDANCE WITH AS1742.2. ALL LINE MARKING IS TO BE LONG LIFE ROAD MARKING, WITH LONGITUDINAL LINES IN THERMOPLASTIC & TRANSVERSE MARKINGS IN COLD APPLIED.
- EXISTING ROAD WORKS TO BE RECONSTRUCTED AS REQUIRED TO PROVIDE, WITHOUT DISCONTINUITY, A CONNECTION IN ACCORDANCE WITH DESIGN LEVELS AND GRADES.
- PAVEMENT TO CONSIST OF: CONNECTION INTERSECTION
 - 20mm SPRAY AND SEAL
 - 300mm COMPACTED DEPTH 40mm NOMINAL SIZE CLASS 3 FINE CRUSHED ROCK
 DEPTH 320mm
- PAVEMENT TO CONSIST OF: CONNECTION ROADWAY
 - 300mm COMPACTED DEPTH 40mm NOMINAL SIZE CLASS 3 FINE CRUSHED ROCK
 DEPTH 300mm
- 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 P1 x 2 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.
- 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.
- MODIFICATION OF THE PAVEMENT REQUIRES APPROVAL BY THE CITY OF CASEY 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-INSTALLMENT 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.
- 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 6 & 7.

AMENDMENTS										
VER.	DATE	REMARKS	CHECKED	SCALE	AS SHOWN	DATUM	AHD	DATE	jan 19	SHEET 20 OF 22
				MERIDIAN ESTATE STAGE 16		STAGE 16 TEMPORARY CONNECTION TO POUND ROAD		MELWAY REF. 131-C-12		MUNICIPALITY CASEY
				SURVEY B.P.D.		DRAWN RK		REFERENCE 8129 E/16		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310
				breese pitt dixon pty. ltd. land surveyors		civil engineers		MELBOURNE REF: MAP135 D-12		DATE 20 OF 22



TYPICAL SECTION

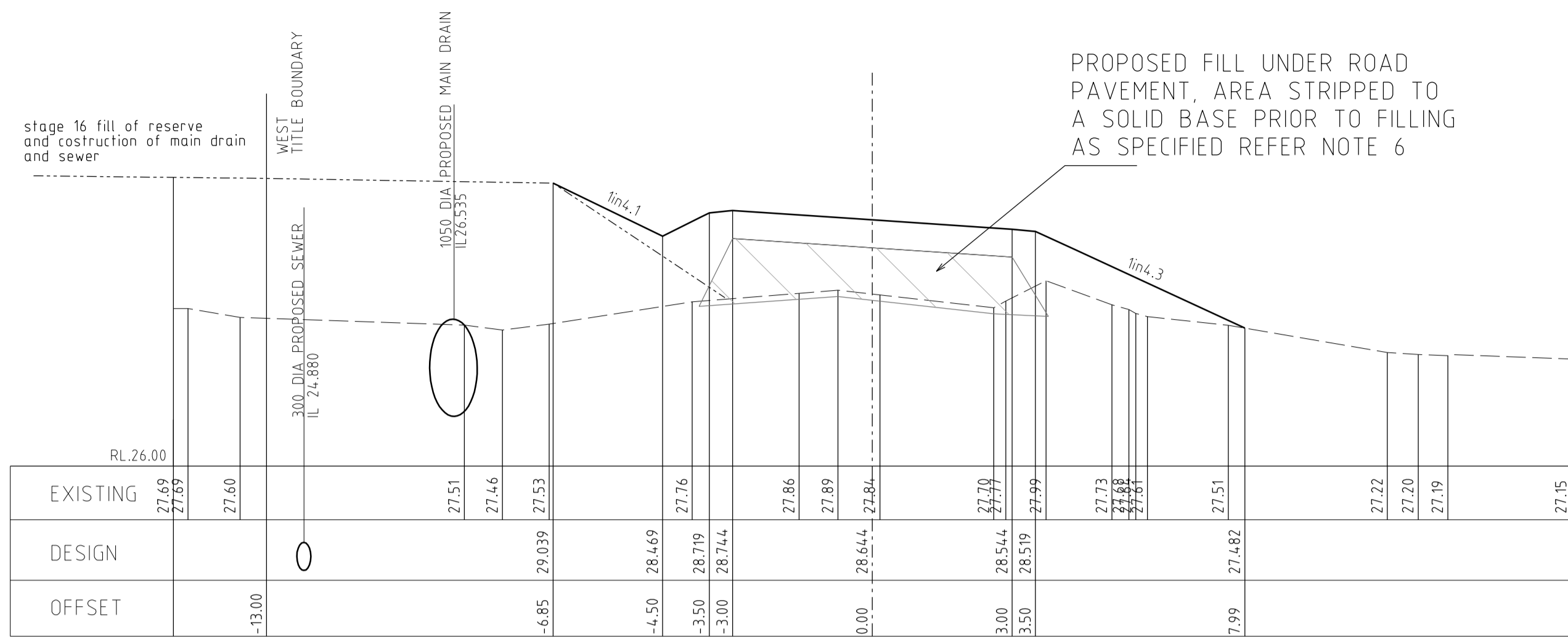
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Ver. 1:50



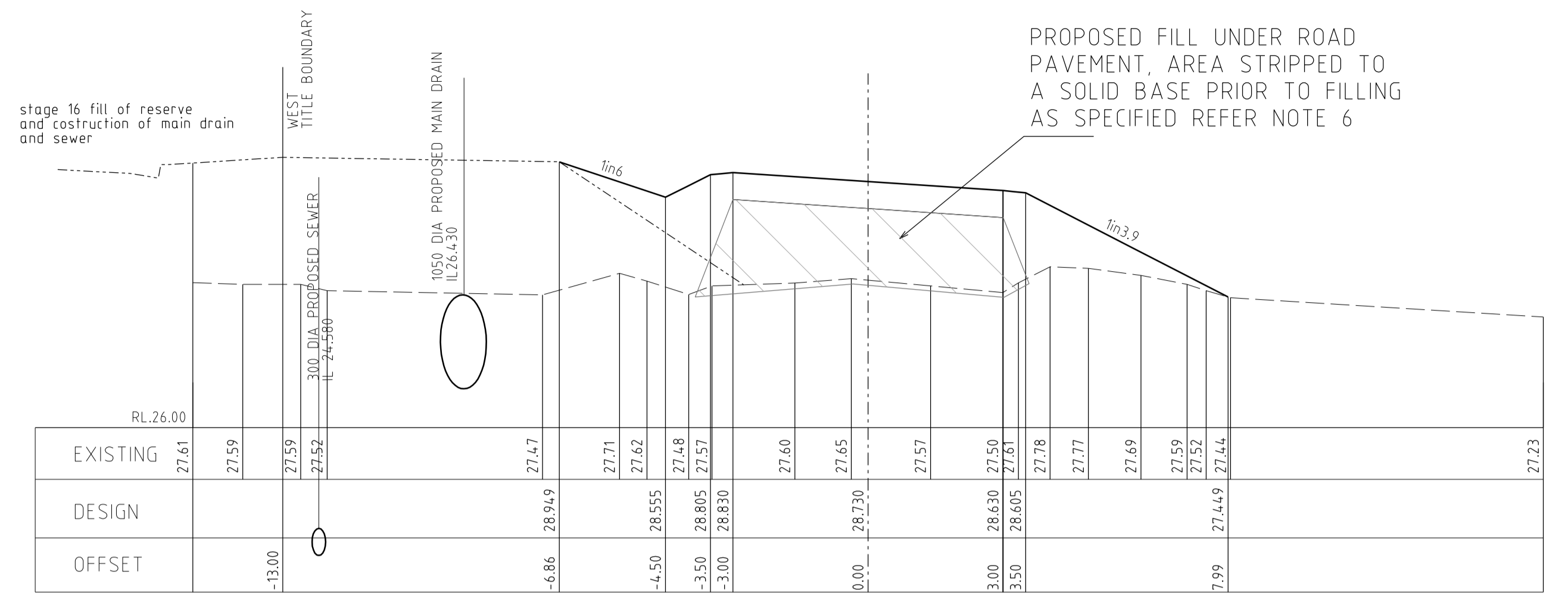
POUND ROAD TEMPORARY CONNECTION LONGITUDINAL SECTION

SCALE Hor. 1:500
Ver. 1:50

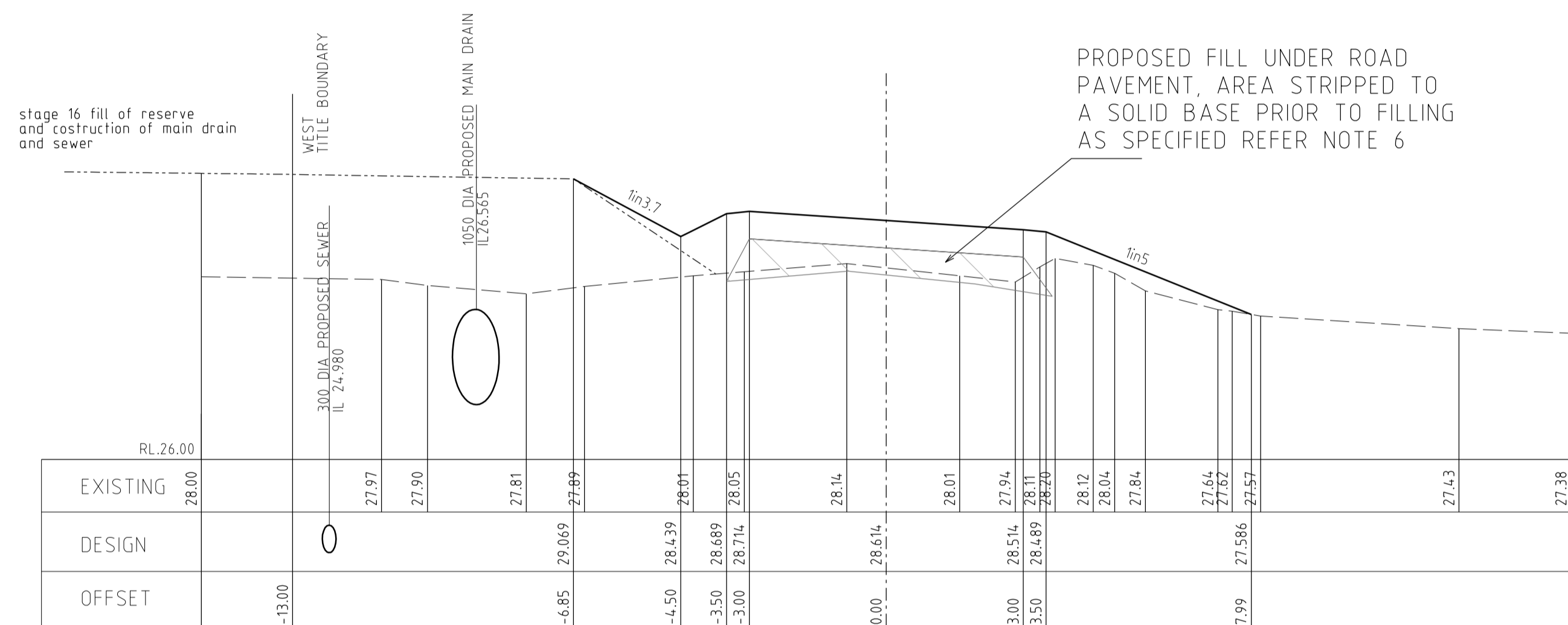
		breese pitt dixon pty. ltd. land surveyors civil engineers		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310
MELWAY REF. 131-C-12 SURVEY B.P.D. DESIGN RK DRAWN RK		MERIDIAN ESTATE STAGE 16 STAGE 16 TEMPORARY CONNECTION TO POUND ROAD		MUNICIPALITY CASEY REFERENCE 8129 E/16
AMENDMENTS E 11.06.19 CONSTRUCTION EXTENT AMENDED VER. DATE REMARKS	CHECKED SCALE AS SHOWN DATUM AHD DATE jan 19 SHEET 21 OF 22			E



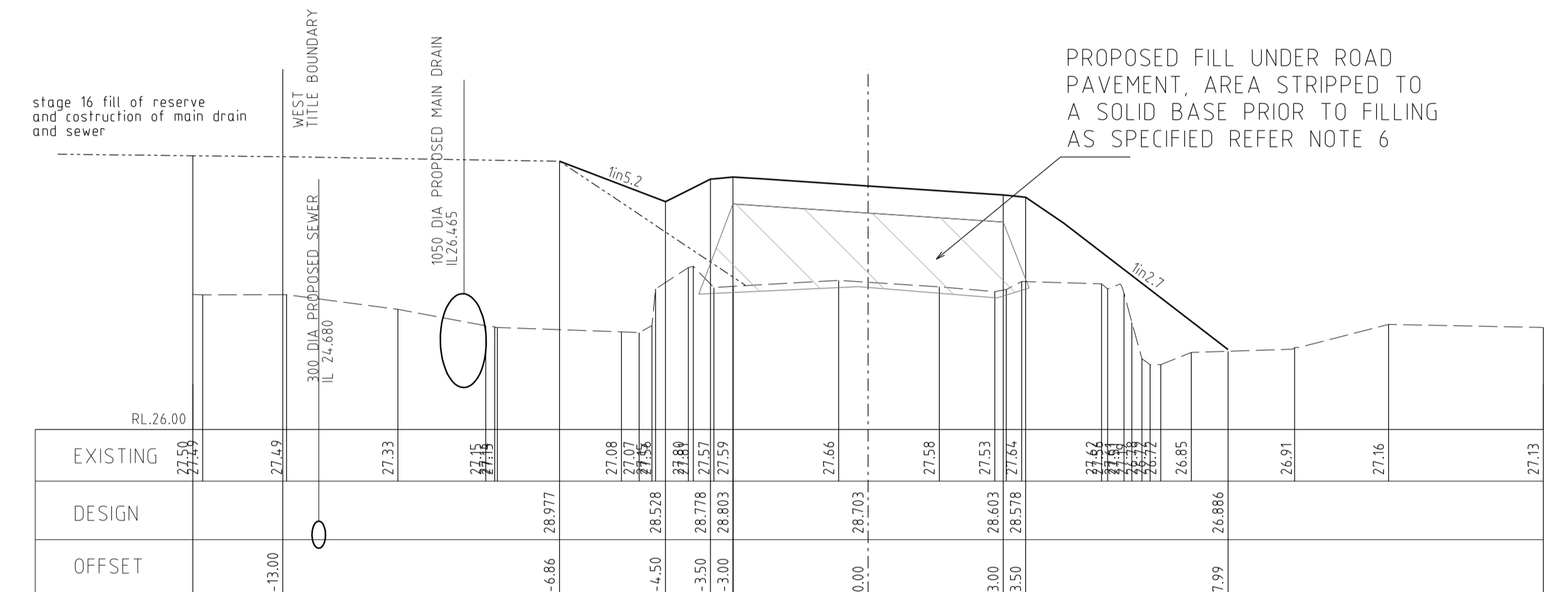
section 7 (ch44.81)



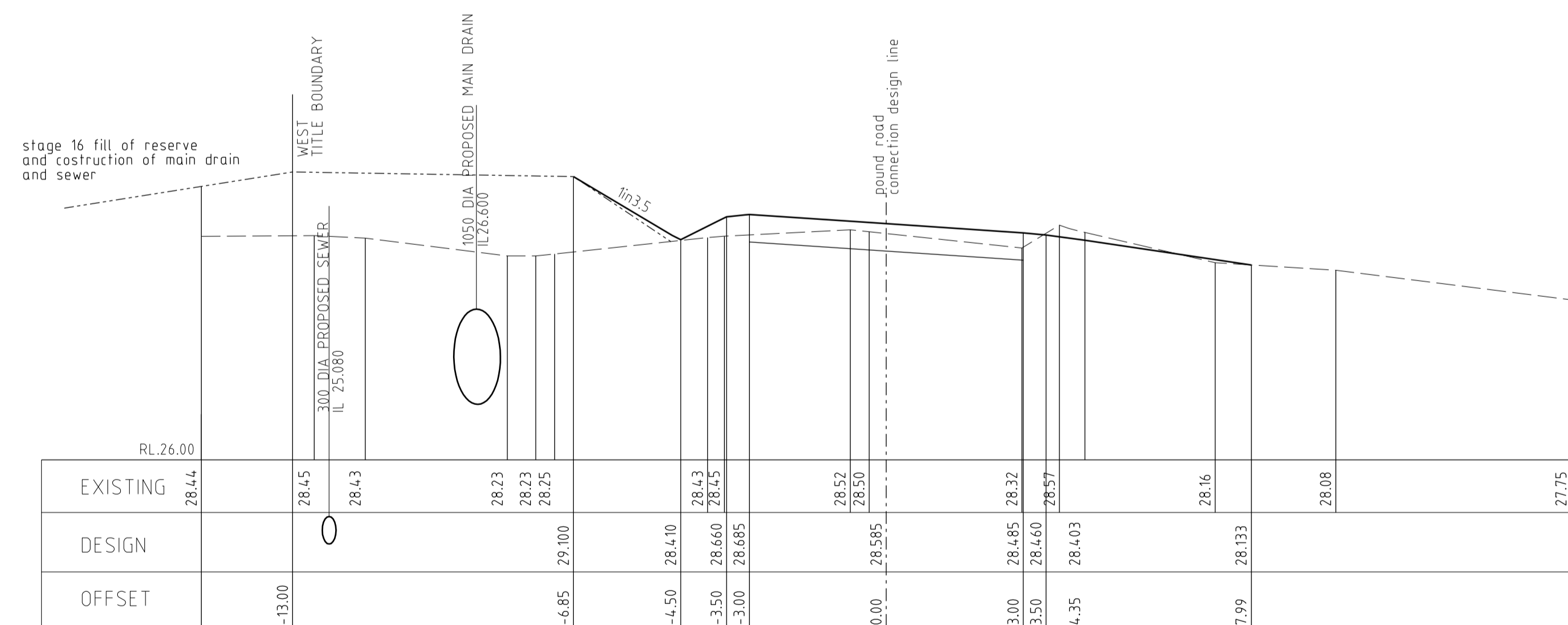
section 10 (ch103.47)



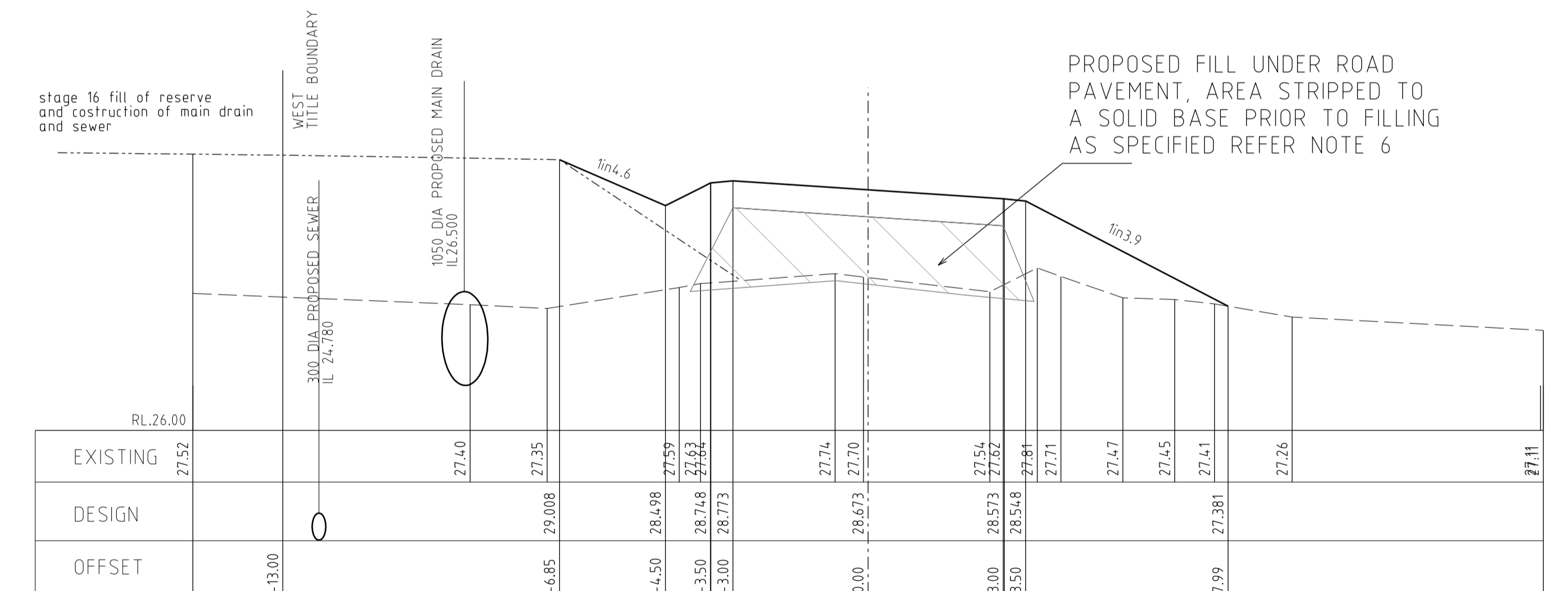
section 6 (ch24.81)



section 9 (ch84.81)



section 5 (ch4.81)



section 8 (ch64.81)

POUND ROAD TEMPORARY CONNECTION CROSS SECTIONS

SCALE Hor. 1:100
Vert 1:50

AMENDMENTS				breese pitt dixon pty. ltd. land surveyors civil engineers		1/19 cato street howthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
MELWAY REF. 131-C-12		SURVEY B.P.D.		DESIGN RK		DRAWN RK	
DATE 11.06.19		REMARKS CONSTRUCTION EXTENT AMENDED		CHECKED		SCALE AS SHOWN DATUM AHD DATE jan 19	
MERIDIAN ESTATE STAGE 16 SYAGE 16 TEMPORARY CONNECTION TO POUND ROAD				MUNICIPALITY CASEY REFERENCE 8129 E/16		SHEET 22 OF 22 E	