

NOTES

- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH AS2124-1992 GENERAL CONDITIONS OF CONTRACT AND THE CITY OF CASEY 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.
- DRAINAGE AND PITS TO BE SET OUT FROM OFFSETS SHOWN RATHER THAN FROM CENTRELINE PIPE CHAINAGES.
- ALL 150mm DIA. PIPES TO BE P.V.C., 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.(I.U.). PIPES LAYED ON A CURVE TO BE RRJ.
- R.C. PIPES TO BE CLASS 2 & P.V.C PIPES TO BE CLASS SH UNLESS OTHERWISE SPECIFIED.
- WHERE DRAINAGE PIPES ARE LOCATED WITHIN NATURE STRIPS, THE TRENCH SHALL BE BACKFILLED WITH COMPACTED CLASS 3 F.C.R. UP TO A LEVEL WHERE THE 45deg. INFLUENCE LINE FROM THE B.O.K. INTERSECTS WITH THE NEAREST TRENCH SIDE. PROVIDE CRUSHED ROCK BACKFILL WHERE DRAINAGE CROSSES BELOW FOOTPATHS.
- PIPE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED WITH 20mm CLASS 3 CRUSHED ROCK TO A RELATIVE COMPACTION OF 97% OF THE MAXIMUM FOUND IN THE STANDARD COMPACTION TEST FOR THE FOLLOWING:
  - BENEATH THE ROAD OR DRIVEWAY PAVEMENT TO THE UNDERSIDE OF THE PAVEMENT.
  - ADJACENT TO KERBING OR CONCRETE WORKS TO A LEVEL THAT IS NOT AFFECTED BY A 45 DEGREE ANGLE OF REPOSE FROM THE NEAR LOWER EDGE.
  - TRENCHES TO BE BACKFILLED IN LAYERS NOT EXCEEDING 200mm LOOSE.
- PRIOR TO COMMENCEMENT OF WORKS ON SITE, THE CONTRACTOR MUST ENSURE THAT ALL MATTERS RELATING TO THE OCCUPATIONAL HEALTH AND SAFETY ACT 2004, INCLUDING ALL RELEVANT REGULATIONS, HAVE BEEN ADDRESSED. IN PARTICULAR, THE REQUIRED NOTIFICATIONS MUST BE CONVEYED TO THE VICTORIAN WORKCOVER AUTHORITY - HEALTH & SAFETY DIVISION WITH RESPECT TO TRENCHING OPERATIONS. DETAILS OF THE CONTRACTORS OCCUPATIONAL HEALTH & SAFETY PROCEDURES MUST BE LODGED WITH THE SUPERINTENDANT PRIOR TO COMMENCEMENT OF WORKS.
- PROPERTY INLETS ARE TO BE PLACED 1.0m FROM THE LOW CORNER OF LOT UNLESS OTHERWISE SHOWN. MINIMUM COVER TO BE 500mm. REFER GAA STD DWG EDM703, EDM702, EDM703 & EDM704.
- LOTS DENOTED THUS 25H ARE TO BE PROVIDED WITH A 100mm DIA. HOUSE DRAIN PLACED 5.5m FROM LOW CORNER OF LOT UNLESS OTHERWISE SHOWN. REFER GAA STD DWG EDM701 & EDM703.
- AGRICULTURAL PIPE DRAINS, AS PER GAA STD DWG EDM202, TO BE PLACED BEHIND ALL KERB AND CHANNEL AND BUFFER PITCHERS AND WHERE DIRECTED BY THE ENGINEER.
- ALL PROPOSED DRAINAGE STUBS TO BE BLANKED OFF AT END OF PIPE WITH TIMBER PLANKS TO THE SATISFACTION OF THE SUPERVISING ENGINEER.
- LOTS TO BE GRADED (1 in 150 MIN SLOPE) & LEFT CLEAN TO THE SATISFACTION OF THE ENGINEER. FINISHED LEVELS TO BE COMPATIBLE WITH LOTS ADJOINING THIS STAGE.
- ON COMPLETION THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ALL RUBBISH AND SPOIL FROM SITE. NO SURPLUS TREES, VEGETATION OR OTHER MATERIAL IS TO BE BURNT ON SITE.
- RESERVES TO BE FREE DRAINING AND TO BE LEFT IN A CONDITION SATISFACTORY TO THE CITY ENGINEER.
- FILL AREAS IN ALL PROPERTIES AND ROAD RESERVES TO BE STRIPPED OF TOPSOIL & VEGETABLE MATTER. FILLING USING APPROVED CLAY FILL, AND TOPSOIL REPLACED TO OBTAIN FINAL FILL LEVELS AS SHOWN ON PLANS. ALL FILLING TO BE CARRIED OUT IN 150mm LAYERS AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS3798-2007, SECTION 8.2, LEVEL 1 (GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS). ON COMPLETION THE CONTRACTOR SHALL PRESENT A "LEVEL 1" TYPED REPORT, FROM A NATA REGISTERED SOIL TESTING LABORATORY, NOMINATING THE EXTENT OF FILL PLACED, ITS CONFORMANCE WITH THE SPECIFICATION AND ITS CLASSIFICATION AS "CONTROLLED FILL". IF ANY SUBSTANDARD FILLING IS ENCOUNTERED ON THE SITE IT MUST BE REMOVED AND REPLACED WITH APPROVED FILL MATERIAL PROPERLY COMPACTED TO COUNCIL REQUIREMENTS. A GEO-TECHNICAL REPORT MUST BE SUBMITTED SHOWING DETAILS OF DEPTH, TYPE OF MATERIAL AND DENSITY OF THE FILL AREAS CONCERNED.
- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL IMPORTED FILL MATERIAL, INCLUDING TOPSOIL, SATISFIES THE DESCRIPTION FOR CLEAN FILL MATERIAL IN EPA BULLETIN PUBLICATION No. 448 (SEPT '95) AND SUBSEQUENT REVISIONS. THE CONTRACTOR SHALL PROVIDE VERIFICATION INCLUDING TEST CERTIFICATES TO THE SUPERVISING ENGINEER.
- BATTERS TO BE 1 IN 6 FOR FILL AND 1 IN 6 FOR CUT UNLESS NOTED OTHERWISE.
- CUT BATTERS ARE TO BE GRASSED AND MULCHED WITH A MIXTURE OF CHOPPED GRASS, STRAW AND BITUMEN EMULSION.
- WHERE CUT BATTERS EXCEED 700mm AN ADDITIONAL 300mm BERM SHALL BE FORMED BEHIND FOOTPATH.
- ACCESS RAMPS ARE TO BE CONSTRUCTED WHERE CUT BATTERS EXCEED 1.0m. THEY ARE TO BE GRADED 1 IN 10 FOR THE FIRST 2.5m FROM THE BACK OF PATH AND THEN AT A MAXIMUM OF 1 IN 4 TO NATURAL SURFACE.
- ALL RESIDENTIAL FOOTPATHS SHALL BE 1.5m WIDE (MIN.) AND SHARED PEDESTRIAN/CYCLE PATHS SHALL BE 3.0m (MIN.). CONCRETE PATHS ARE TO BE 125mm THICK REINFORCED WITH SL72 PLACED CENTRALLY AND UNDERLAIN BY 50mm OF CLASS 3 CR. REFER GAA STD DWG EDM401.
- PRAM CROSSINGS ARE TO BE CONSTRUCTED WHERE FOOTPATHS CONNECT TO THE BACK OF KERB & CHANNEL. REFER GAA STD DWG EDM403.
- ALL NATIVE TREES AND SHRUBS TO BE RETAINED UNLESS ROAD CONSTRUCTION NECESSITATES THEIR REMOVAL OR REMOVAL IS DIRECTED BY THE ENGINEER. A TOWN PLANNING PERMIT IS REQUIRED FOR THE REMOVAL OF NATIVE TREES AND OR VEGETATION. THE REMOVAL OR RETENTION OF ANY EXISTING TREES MUST BE IN ACCORDANCE WITH THE APPROVED LANDSCAPE PLAN, OR ELSE APPROVAL WILL BE REQUIRED FROM THE 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.
- THE WATER CONDUIT OFFSET FROM THE LOT BOUNDARY IS GIVEN ON THE WATER RETICULATION PLAN. THE CONTRACTOR MUST CONSTRUCT CONDUITS TO ACCORD WITH THE GIVEN OFFSET AND ENSURE THAT THE CONCRETE MARKS THE KERB AND FOOTPATH EXACTLY ABOVE THE CONDUIT.
- TELSTRA/NBN Co TO BE NOTIFIED SEVEN (7) DAYS PRIOR TO CONCRETE WORKS BEING PLACED.
- ELECTRICAL DISTRIBUTION PITS WITHIN FOOTPATHS ARE TO BE A MINIMUM OF 300mm WITHIN THE EDGE OF THE PATH. CONCRETE IS TO BE PLACED AROUND DISTRIBUTION PITS TO A MINIMUM DEPTH OF 200mm.
- ALL STREET SIGNS TO BE CONSTRUCTED AND ERECTED TO CURRENT CITY OF CASEY STANDARDS INCLUDING LOGO, COURT STREET NAMES ARE TO SHOW COURT NAME ONLY.

- TRAFFIC CONTROL SIGNS, MARKINGS & DELINEATORS TO BE INSTALLED IN ACCORDANCE WITH AS1742.2. ALL LINE MARKING IS TO BE LONG LIFE ROAD MARKING, WITH LONGITUDINAL LINES IN THERMOPLASTIC & TRANSVERSE MARKINGS IN COLD APPLIED.
- ALL DRIVEWAYS ARE TO BE OFFSET 0.75m FROM SIDE BOUNDARIES AND EASEMENTS UNLESS OTHERWISE SHOWN, AND CONSTRUCTED AS PER GAA STD DWG EDM 501 & EDM 502
- ALL ROADS TO BE CONSTRUCTED WITH KERB & CHANNEL AS SHOWN. REFER GAA STD DWG EDM301 & EDM302 AND CASEY COUNCIL STD DWGS.
- KERB TRANSITION TO TAKE PLACE IN THE MINOR STREET OVER A 2.0m LENGTH FROM EITHER THE TANGENT POINT OR TP PIT.
- EXISTING ROAD WORKS TO BE RECONSTRUCTED AS REQUIRED TO PROVIDE, WITHOUT DISCONTINUITY, A CONNECTION IN ACCORDANCE WITH DESIGN LEVELS AND GRADES.
- PAVEMENT TO CONSIST OF: ACCESS STREET - RATHBERRY CIRCUIT, ASPIRE AVENUE, ORBIT STREET
  - 20mm COMPACTED DEPTH 7mm NOMINAL SIZE TYPE L ASPHALT WITH C170 BINDER
  - 35mm COMPACTED DEPTH 14mm NOMINAL SIZE TYPE N ASPHALT WITH C170 BINDER
  - PRIME & SEAL (SIZE 7) OR PRIMERSEAL (SIZE 7)(BOTH EMULSION SEALS)
  - 135mm COMPACTED DEPTH 20mm NOMINAL SIZE CLASS 2 FINE CRUSHED ROCK
  - 120mm COMPACTED DEPTH 40mm NOMINAL SIZE CLASS 3 FINE CRUSHED ROCK
  - 150mm COMPACTED DEPTH SELECT GRANULAR MATERIAL WITH A MINIMUM SOAKED CBR OF 10%

DEPTH 460mm

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

EARTHWORKS MATERIALS TO BE USED AS 'SELECT GRANULAR MATERIAL' MUST HAVE A SOAKED CBR OF MORE THAN 10% WITH A SWELL OF LESS THAN 1.5%, A LIQUID LIMIT OF LESS THAN 50%, A PLASTICITY INDEX (PI) OF LESS THAN 25% AND A PI x % LESS THAN 0.425mm OF LESS THAN 1200. THIS MATERIAL SHOULD ALSO HAVE A HYDRAULIC CONDUCTIVITY OF LESS THAN 1 x 10<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.

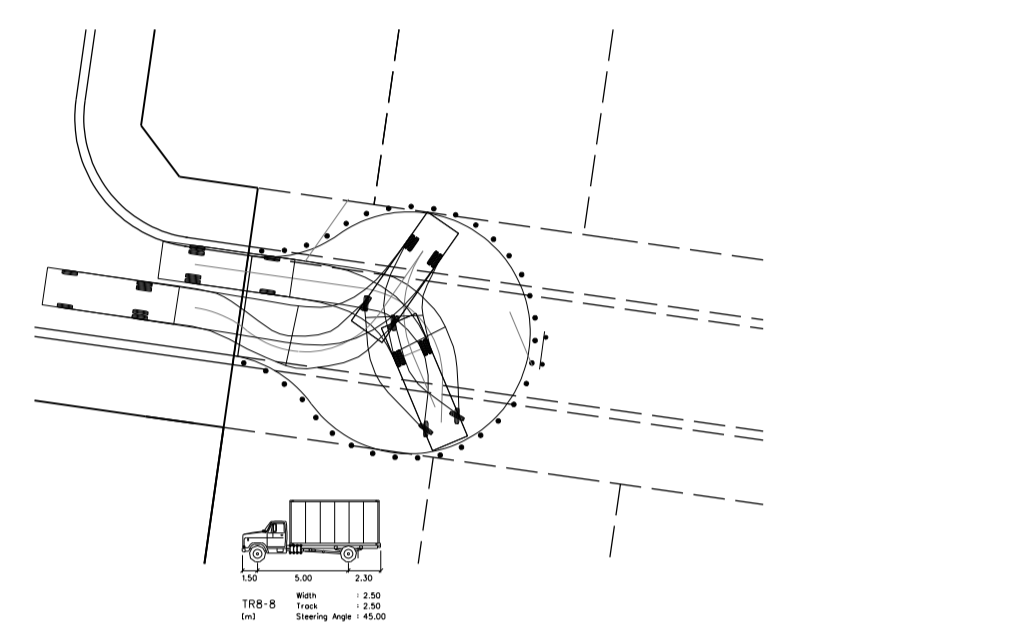
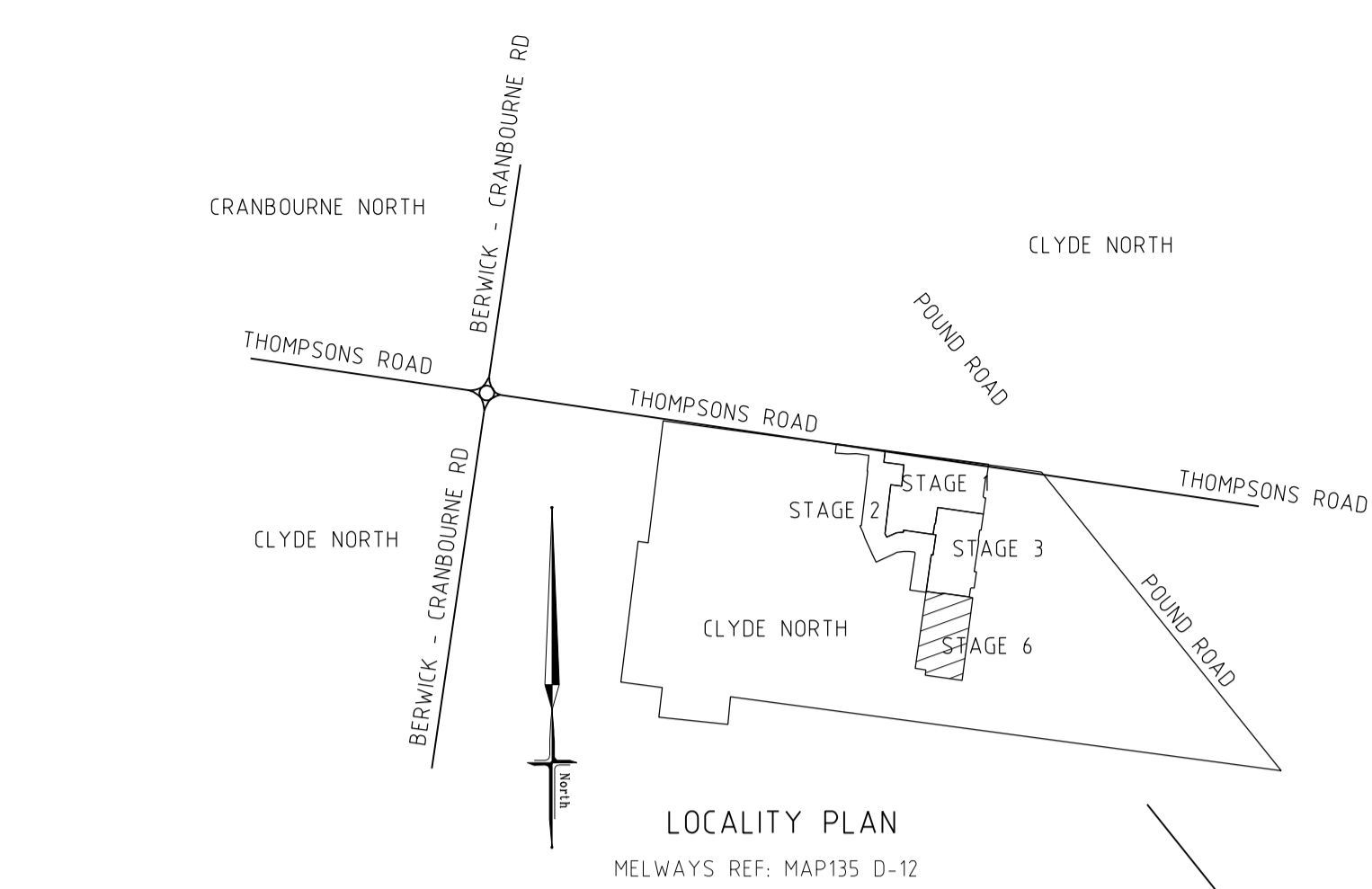
'SELECT GRANULAR MATERIAL' IS TO EXTEND TO A DISTANCE OF AT LEAST 1.0m BEHIND THE BACK OF KERB.

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

SPEED HUMP INFILLS SHOWN THUS  TO CONSIST OF:

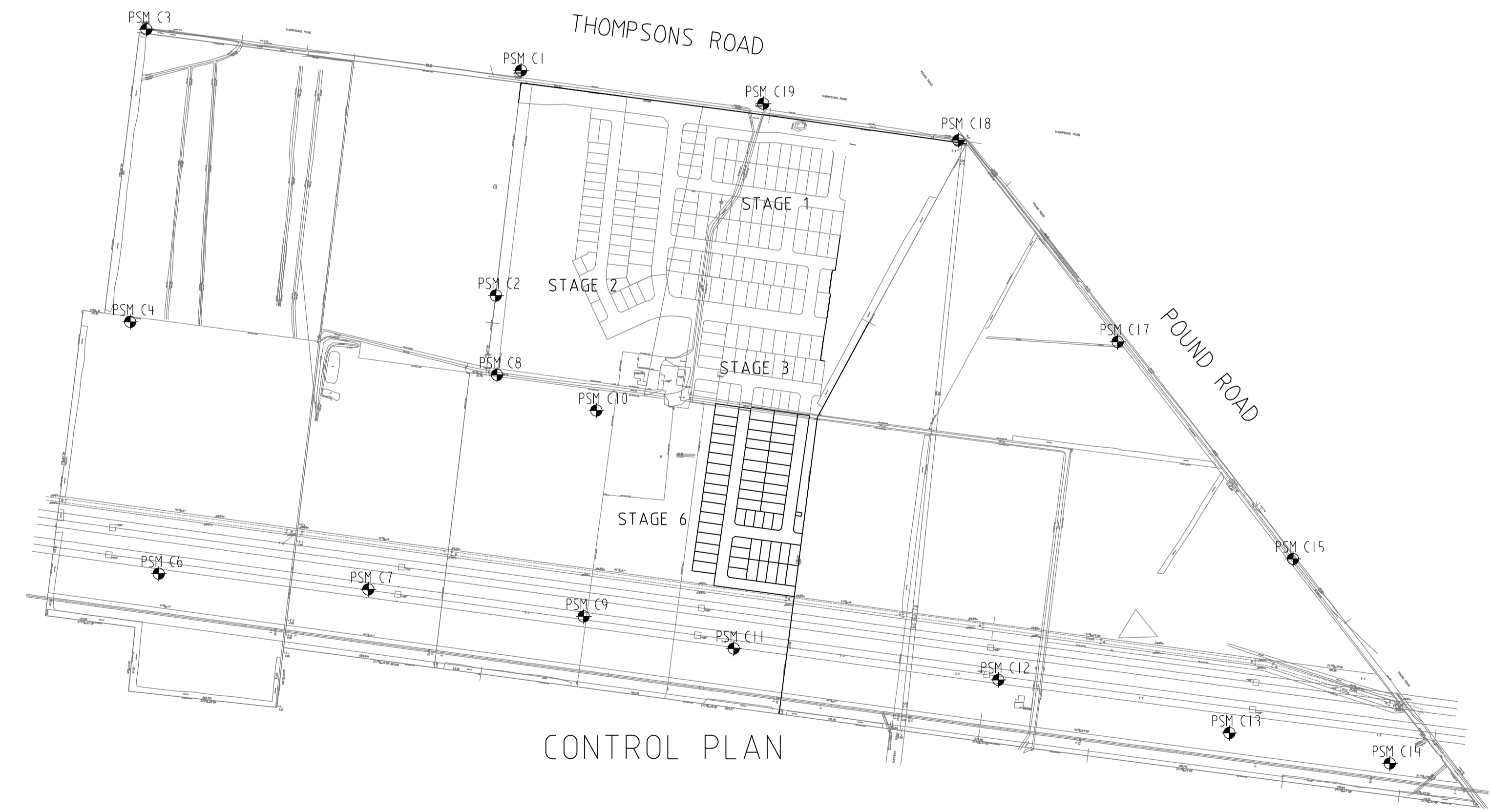
- 200mm THICK 32Mpa CHARCOAL COLOURED CONCRETE IN GREY CEMENT WITH 6% BLACK OXIDE COLOUR TO BE ADDED TO AGGREGATE PRIOR TO POURING CONCRETE SL72 MESH PLACED CENTRALLY.
- 100mm THICK COMPACTED FCR BEDDING OR TO ROAD BASE COURSE

- 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-INSTANTMENT AT THE CONTRACTORS EXPENSE.
- PRIOR TO COMMENCEMENT OF WORKS, THE CONTRACTOR MUST SUBMIT A SMP TO THE DEVELOPER'S CONSULTANT FOR APPROVAL. THE CONTRACTOR MUST COMPLY WITH THE RECOMMENDATIONS OF THE ENVIRONMENT PROTECTION AUTHORITY PUBLICATION No.275 "CONSTRUCTION TECHNIQUES FOR SEDIMENT POLLUTION CONTROL" AND MW SITE ENVIRONMENTAL MANAGEMENT POLICY 3.8.2. APPROPRIATE SILTATION CONTROL IS TO BE MAINTAINED THROUGHOUT THE CONSTRUCTION AND MAINTENANCE PERIOD OF THE WORKS.
- PROVIDE PAINTED PALING FENCE ALONG ANY BOUNDARY COMMON TO LOTS & MUNICIPAL RESERVES AS PER CASEY COUNCIL STD DWG S-706. PALINGS TO BE ON THE RESERVE SIDE.
- PROVIDE TEMPORARY SAFETY BARRIER FENCE (FARM FENCE AS PER MW STD DWG 7251/4/203) ALONG EXTENT OF OUTFALL DRAIN WHERE THE DRAIN IS GREATER THAN 1.5m IN DEPTH AND SIDE SLOPES ARE STEEPER THAN 1 IN 3. SAFETY FENCE TO REMAIN UNTIL PERMANENT UNDERGROUND DRAINAGE IS INSTALLED.
- A TEMPORARY FENCE SHALL BE ERECTED AND MAINTAINED AROUND EXISTING TREES. NOMINATED TO BE RETAINED, AT ALL TIMES DURING CONSTRUCTION. FOR FENCING DETAILS AND CONSTRUCTION WORKS WITHIN THE "TREE PROTECTION ZONE" REFER TO THE ARBORICULTURAL INSPECTION REPORT BY A & R TREE SURGEONS (18th MARCH 2003).
- CONTRACTOR TO REMOVE EXISTING IRRIGATION AND DRAINAGE PIPES AND PITS ENCOUNTERED ON SITE. TRENCHES TO BE BACKFILLED IN ACCORDANCE WITH NOTES 16 & 17.
- TACTILE GROUND SURFACE INDICATORS (TGS1) ARE TO BE INSTALLED AT ALL PRAM CROSSINGS AND PEDESTRIAN CROSS POINTS,REFER GAA STD DWG EDM403.




8.8 SERVICE VEHICLE TURNING CIRCLE

PSM No.	LOCAL GRID NORTH	EAST	R-L	DESCRIPTION
C1	2000.000	1000.000	28.899	STAR PICKET
C2	1695.257	965.780	36.446	NEG
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	1646.441	46.068	SPIKE
C13	1102.750	1959.197	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



SHEET INDEX

SHT No.	VER	DESCRIPTION
1	C	FACE SHEET
2	C	LAYOUT PLAN
3	B	TYPICAL SECTIONS, RETAINING WALL DETAILS
4	C	INTERSECTION DETAILS
5	A	RATHBERRY CIRCUIT LONGITUDINAL SECTION
6	A	RATHBERRY CIRCUIT LONGITUDINAL AND CROSS SECTIONS
7	A	RATHBERRY CIRCUIT CROSS SECTIONS
8	A	RATHBERRY CIRCUIT CROSS SECTIONS
9	A	ASPIRE AVENUE LONGITUDINAL SECTION
10	A	ASPIRE AVENUE CROSS SECTIONS
11	A	ASPIRE AVENUE CROSS SECTIONS
12	A	ORBIT STREET LONGITUDINAL AND CROSS SECTIONS
13	A	STORMWATER DRAINAGE LONGITUDINAL SECTIONS
14	A	STORMWATER DRAINAGE LONGITUDINAL SECTIONS AND PIT SCHEDULE
15	A	STORMWATER DRAINAGE LONGITUDINAL SECTIONS
16	A	SIGNAGE AND LINEMARKING PLAN

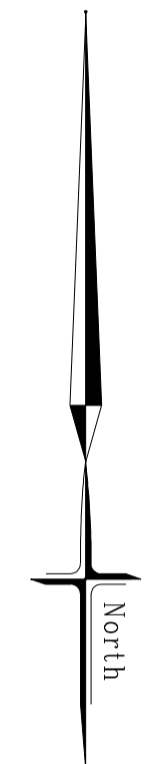
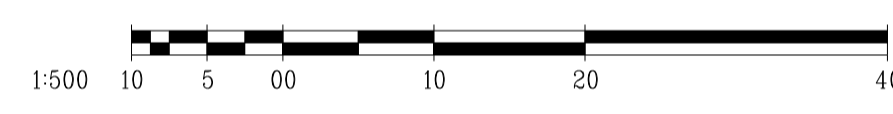
AMENDMENTS	A	2.06.2017	ISSUED FOR CONSTRUCTION	 <b>breese pitt dixon pty. ltd.</b> land surveyors      civil engineers	1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310
	B	27.07.2017	SHEET INDEX AMENDED		
	C	4.09.2017	SHEET INDEX AMENDED		
	VER	DATE	REMARKS		
MELWAY REF. 131-C-12 SURVEY B.P.D. DESIGN RK DRAWN RK				<b>MERIDIAN ESTATE</b> <b>STAGE 6</b>	
SCALE AS SHOWN    DATUM AHD    DATE OCT 16					
SHEET 1 OF 16				C	

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		
RATHBERRY CIRCUIT LOTS 601-612	16.00	3.05 W	2.55 W	2.10 W	2.35 E	0.90 BOK	1.75 E	1.78 W	3.90 E	E, T/G, W
RATHBERRY CIRCUIT LOTS 628-632	16.00	3.05 S	2.55 S	2.10 S	2.30 N	0.90 BOK	1.95 N	1.95 N	4.20 N	E, T/G, W
RATHBERRY CIRCUIT LOTS 613-617	16.00	3.05 W	2.55 W	2.10 W	2.40 E	0.90 BOK	1.95 E	1.95 E	4.20 W	E, T/G, W
ASPIRE AVENUE LOTS 613-617	16.00	3.05 W	2.55 W	2.10 W	2.55 E	0.90 BOK	1.95 E	1.95 E	4.20 W	E, T/G, W
ASPIRE AVENUE LOTS 651-656	14.00	2.80 N	2.30 N	1.85 N	4.20 N	0.90 BOK S	3.50 N	3.50 N	6.10 N	E, T/G, W
ORBIT STREET	16.00	3.05 S	2.55 S	2.10 S	2.55 N	0.90 BOK	1.95 N	1.95 N	4.20 N	E, T/G, W



LAYOUT PLAN



**ATTENTION TO CONTRACTOR**  
 ALL DISTURBED ROAD VERGES AS A RESULT OF CONSTRUCTION SHALL BE REINSTATED TO THE SATISFACTION OF THE RESPONSIBLE AUTHORITY

**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.

**SYMBOL LEGEND**

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

AMENDMENTS	DATE	REMARKS
A	2.06.2017	ISSUED FOR CONSTRUCTION
B	27.07.2017	BOLLARDS ON ROCK WALL AMENDED
C	4.09.2017	RESERVE PATH BY LANDSCAPERS SHOWN, STREET PATH AMENDED TO MATCH

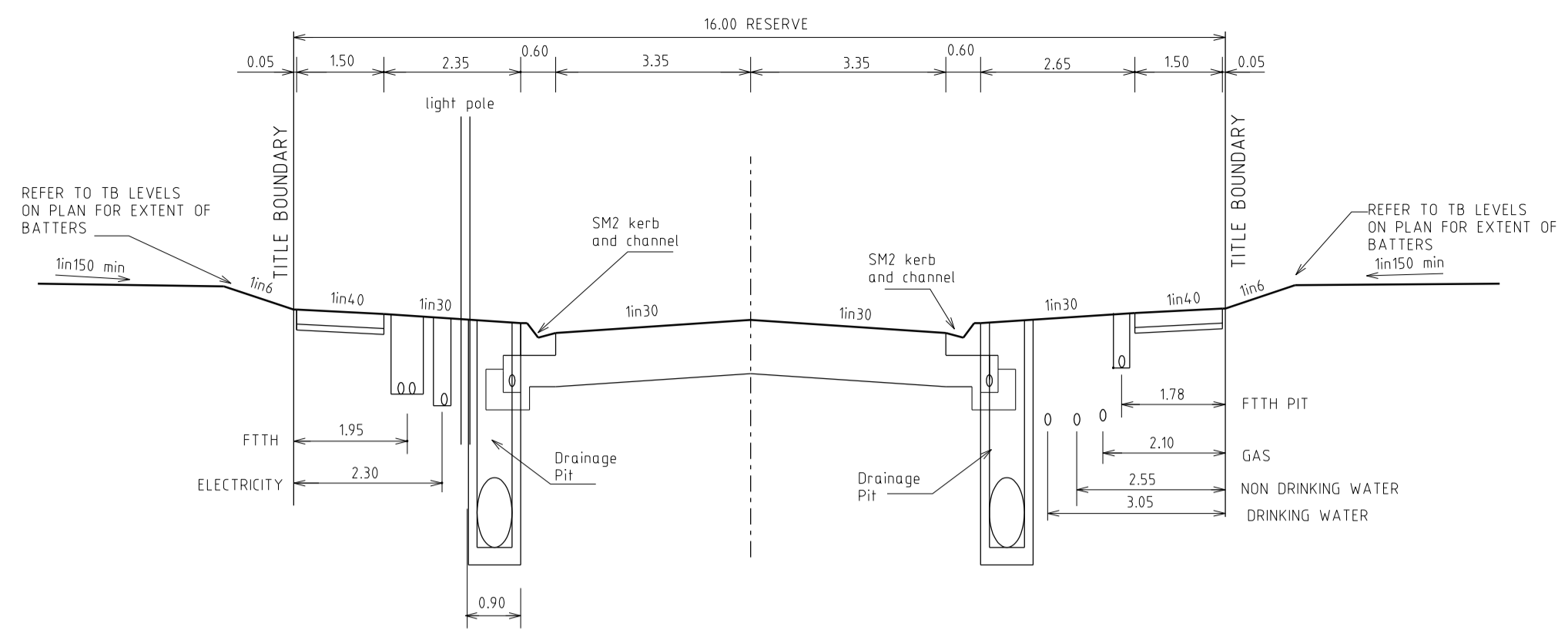
**breese pitt dixon pty. ltd.**  
 land surveyors      civil engineers

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

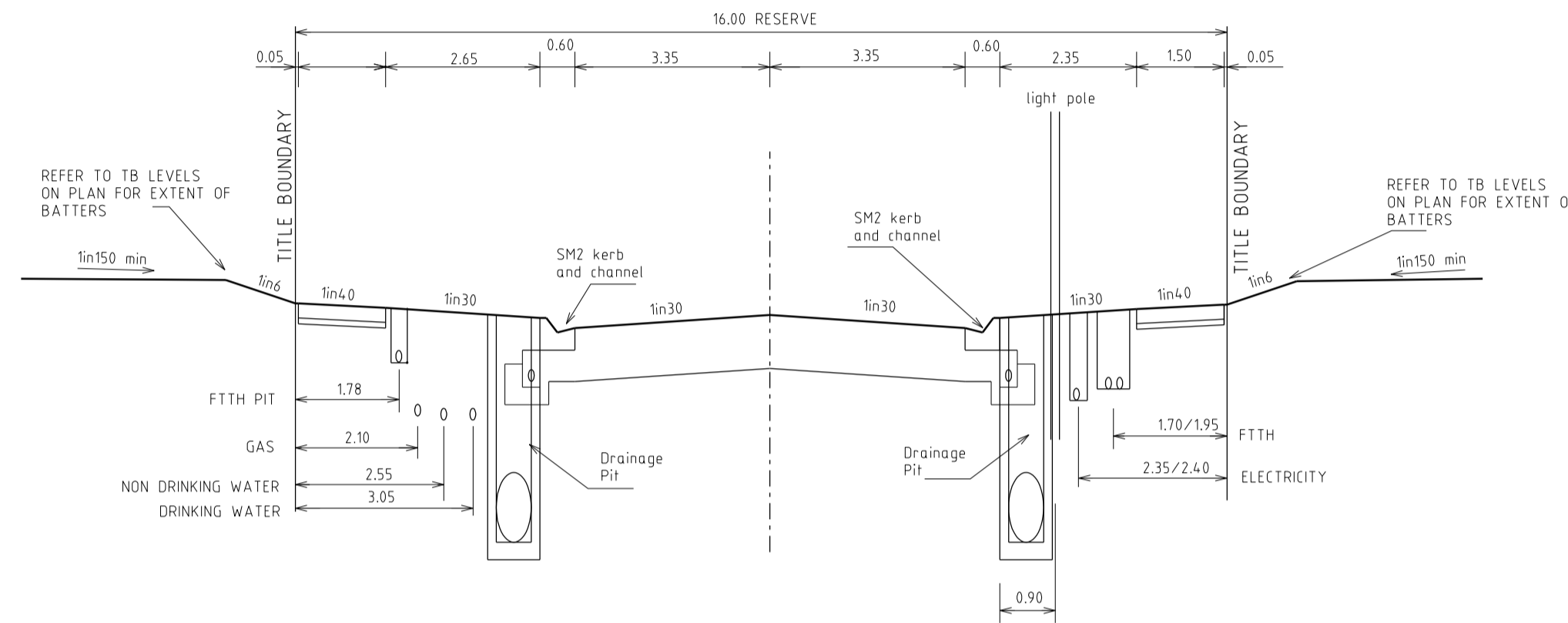
**MERIDIAN ESTATE**  
 STAGE 6

MUNICIPALITY: CASEY  
 REFERENCE: 8129 E/6  
 SHEET 2 OF 16

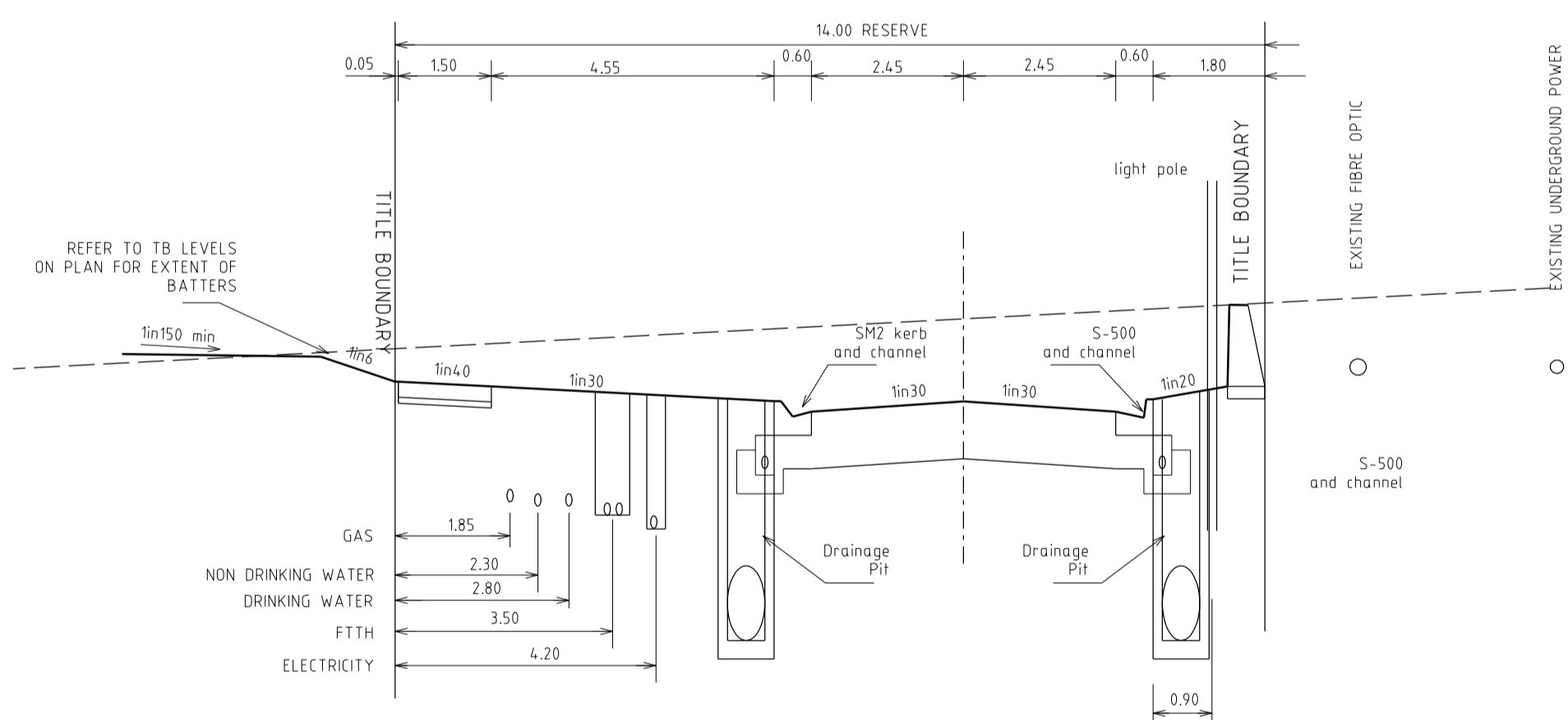
SCALE AS SHOWN    DATUM AHD    DATE OCT 16



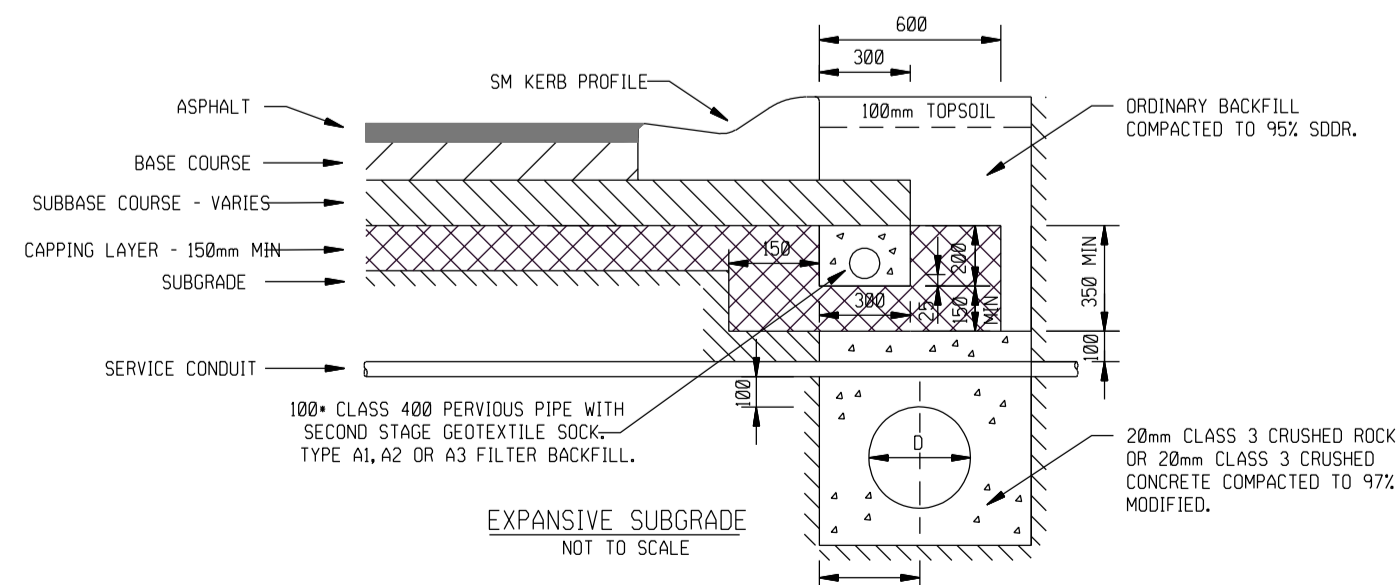
16.00m RESERVE  
ORBIT STREET, RATHBERRY CIRCUIT (lots 628-632)



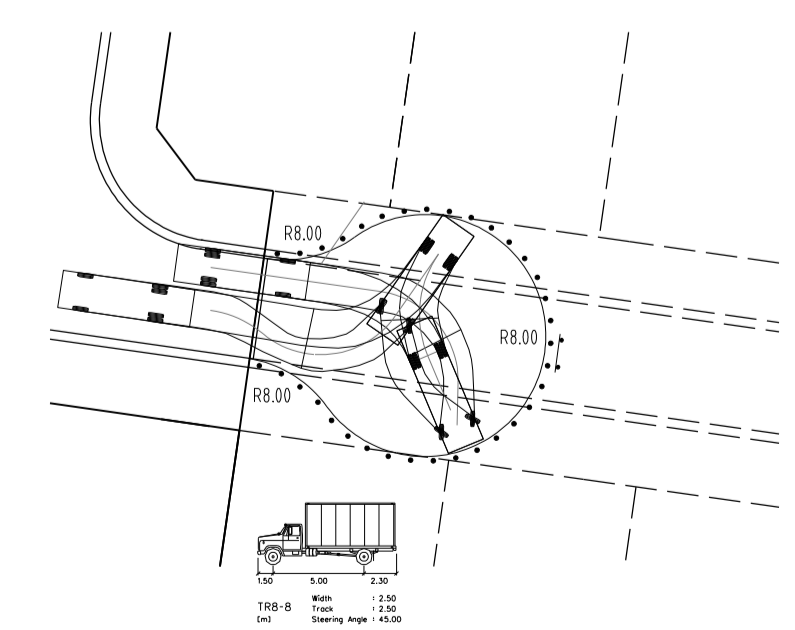
16.00m RESERVE  
ASPIRE AVENUE LOTS 613-617, RATHBERRY CIRCUIT (lots 601-612/633-642)



14.00m RESERVE  
ASPIRE AVE LOTS 651-656

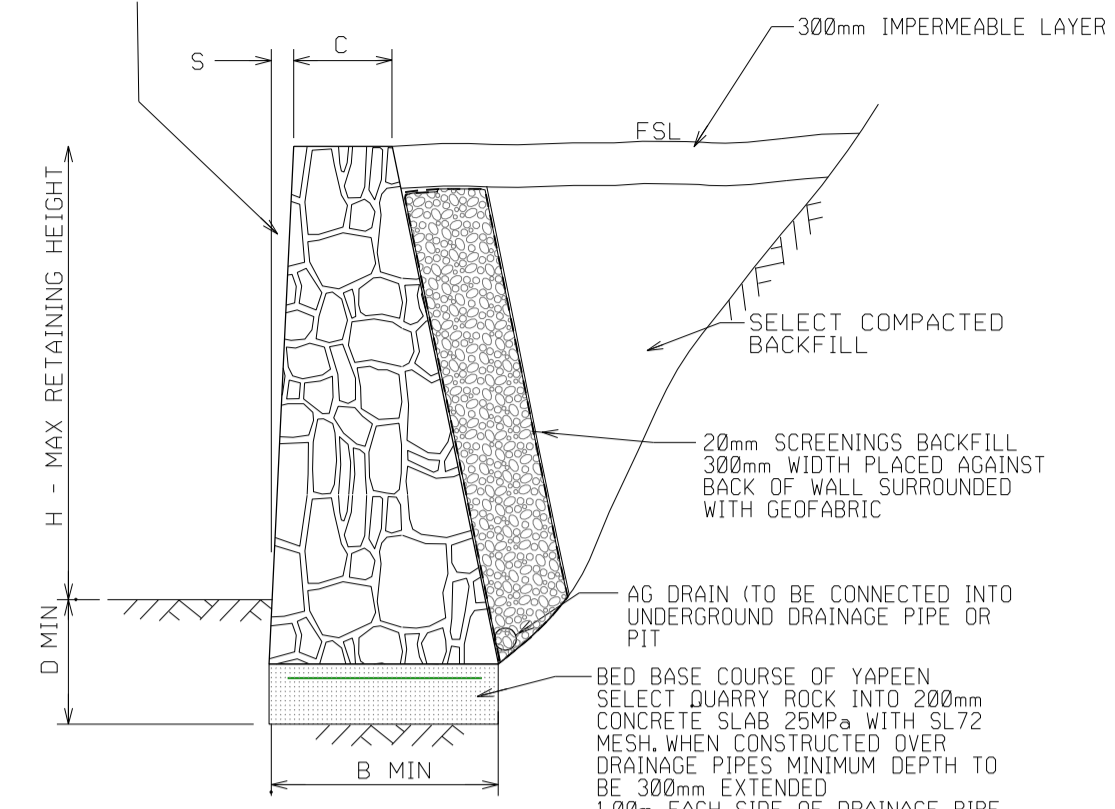


NOTES:  
CONDUITS FOR GAS, WATER, ELECTRICITY AND TELECOM SERVICES TO BE LOCATED CLEAR OF PAVEMENT AND THE SUBSURFACE DRAIN.



8.8 SERVICE VEHICLE TURNING CIRCLE

SELECTED PYRENEES QUARRIES  
YAPEEN SELECT QUARRY ROCK SET IN MORTAR  
MIX 1 CEMENT : 6 SAND ALL VOIDS FILLED  
ROCK SIZE NOMINALLY 300 - 900  
MORTAR JOINTS ON EXPOSED FACE  
OF WALL TO BE RECESSED TO GIVE  
A FREESTONE WALL APPEARANCE.



MASS ROCK RETAINING WALL DETAIL (TYPE NTS)

MASS ROCK RETAINING WALL SCHEDULE

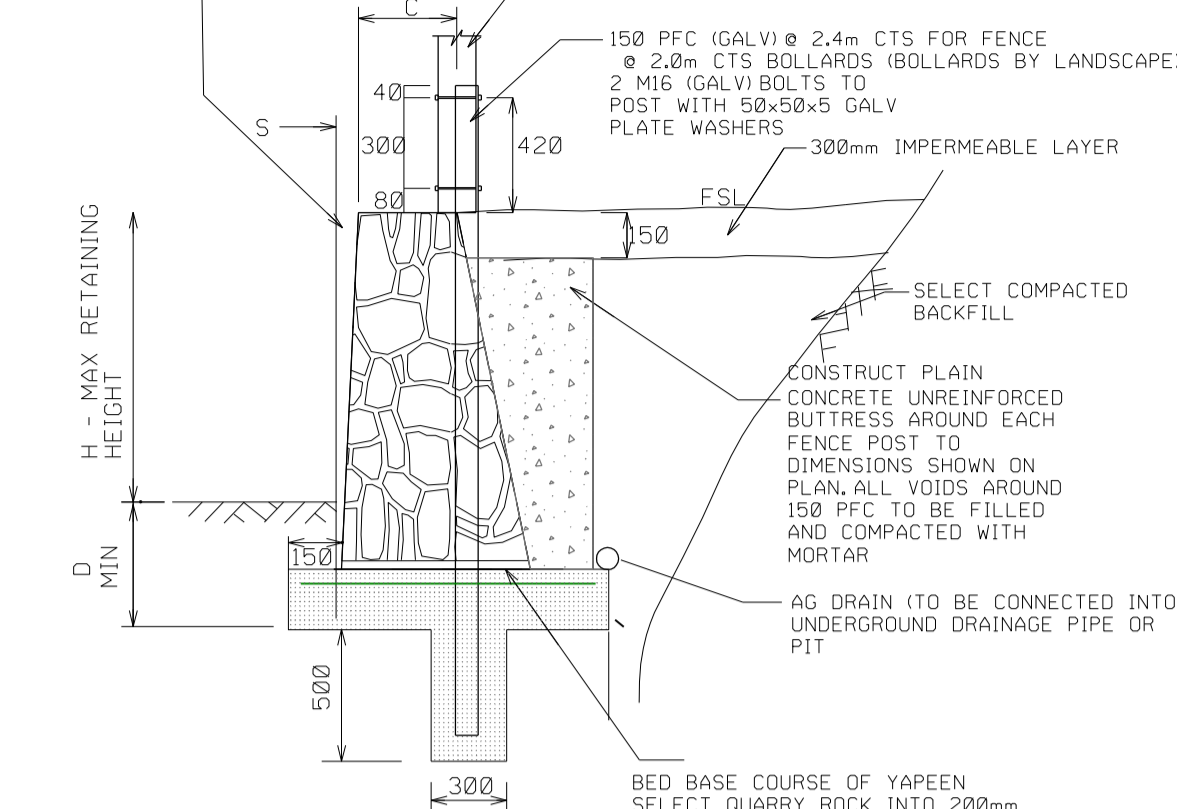
MAX WALL HEIGHT - H (mm)	FOUNDING DEPTH - D (mm)	BASE WIDTH - B (mm)	FRONT FACE SETBACK - S (mm)	CREST WIDTH - C (mm)
400	400	450	15	300
500	400	500	15	300
600	400	500	30	300
800	400	600	30	300
1000	400	700	30	300

RETAINING WALL NOTE R.1.

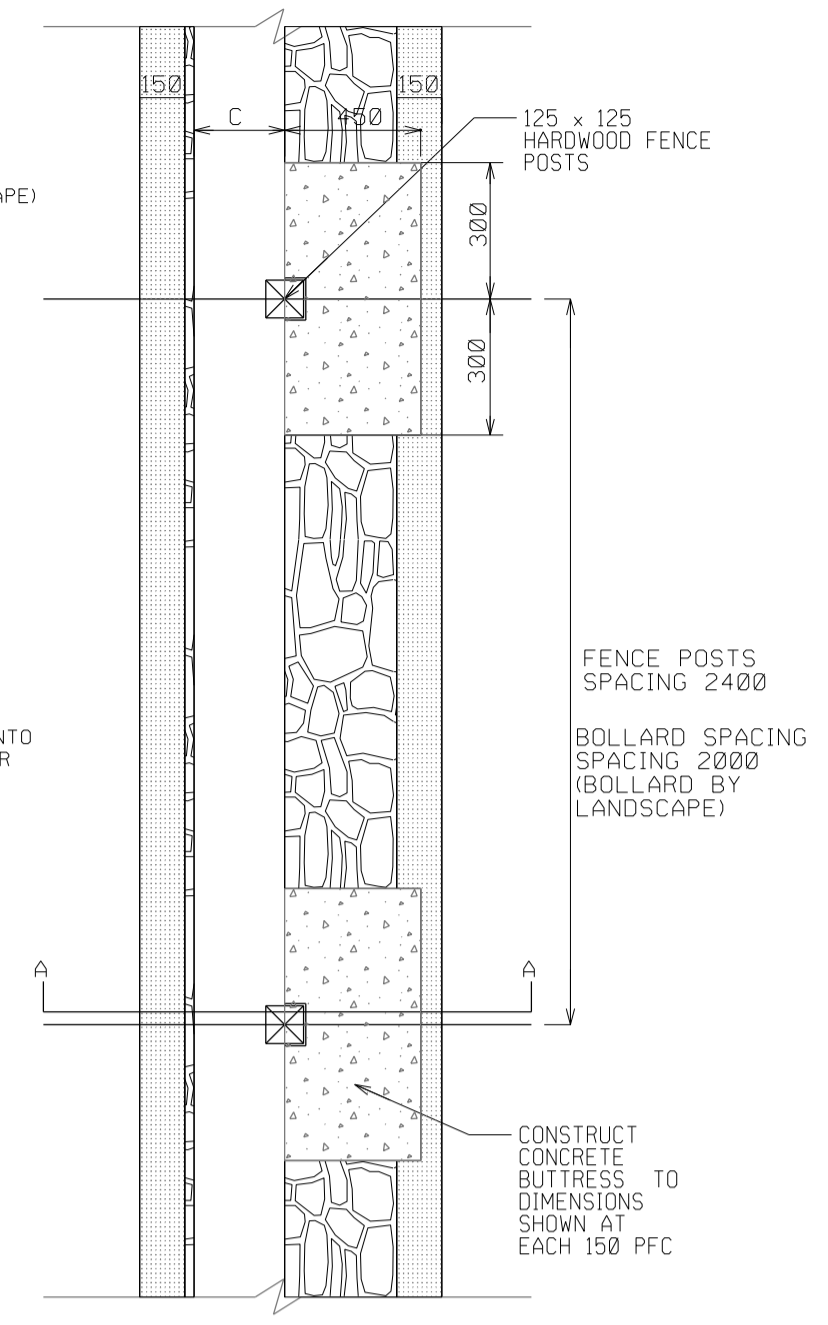
- WHERE FOOTPATH ABUTS RETAINING WALL CONTINUE CONCRETE UP TO BASE OF RETAINING WALL.
- TOE OF WALL SHALL PENETRATE THROUGH ANY FILL MATERIAL & THE NATURAL SILT SOILS TO BE FOUNDED AT LEAST 100mm INTO THIS UNDERLYING NATURAL STIFF CLAY OR WEATHERED ROCK. ALL EXCAVATIONS SHALL HAVE FOUNDED DEPTHS AND BEARING CAPACITY APPROVED BY THE ENGINEER OR BUILDING SURVEYOR BEFORE CONCRETE IS PLACED. FOOTING EXCAVATIONS WHICH ARE DEEPENED TO PENETRATE THROUGH UNSUITABLE SOILS SHALL BE BACKFILLED UP TO UNDERSIDE OF FOOTINGS WITH 15 MPa BLINDING CONCRETE.
- ALL EXCAVATION FOUNDED SURFACES SHALL BE LEVEL (NOT INCLINED) CLEAN CUT & FREE OF MUD OR WATER.
- ALL SEEPAGE INFLOW SHALL BE REMOVED BEFORE PLACEMENT OF CONCRETE.
- FOOTINGS SHALL BE FOUNDED IN STIFF NATURAL CLAY HAVING A SAFE BEARING CAPACITY OF 150kPa.

FOOTING NOTE F.2.

SELECTED PYRENEES QUARRIES  
YAPEEN SELECT QUARRY ROCK SET IN MORTAR  
MIX 1 CEMENT : 6 SAND ALL VOIDS FILLED  
ROCK SIZE NOMINALLY 300 - 900  
MORTAR JOINTS ON EXPOSED FACE  
OF WALL TO BE RECESSED TO GIVE  
A FREESTONE WALL APPEARANCE.

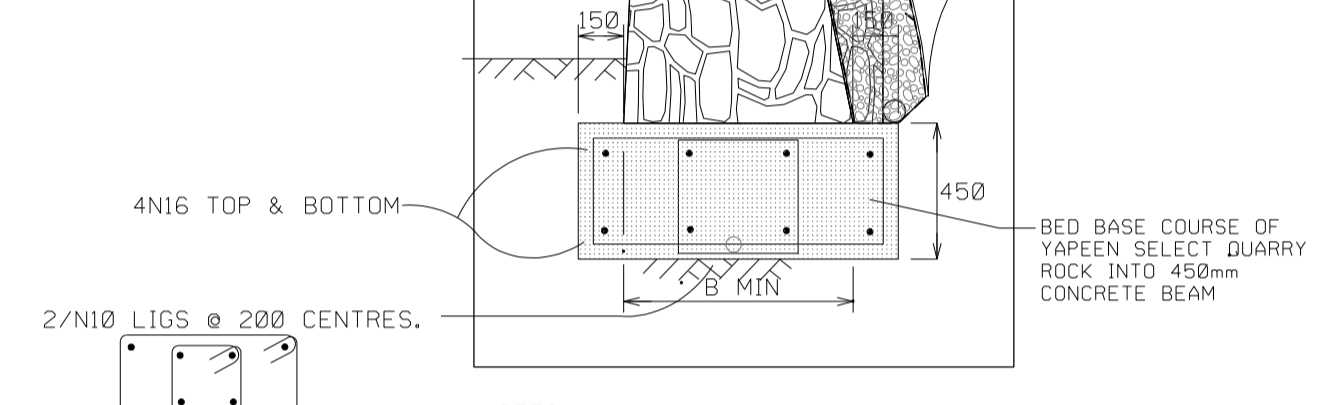


SECTION A-A  
MASS ROCK RETAINING WALL DETAIL WITH PALING TIMBER FENCE (TYPE RR) OR BOLLARD (BOLLARD BY LANDSCAPE)



PLAN VIEW

RETAINING WALL FOOTING REQUIREMENTS FOR SEWER CROSSINGS



NOTES:

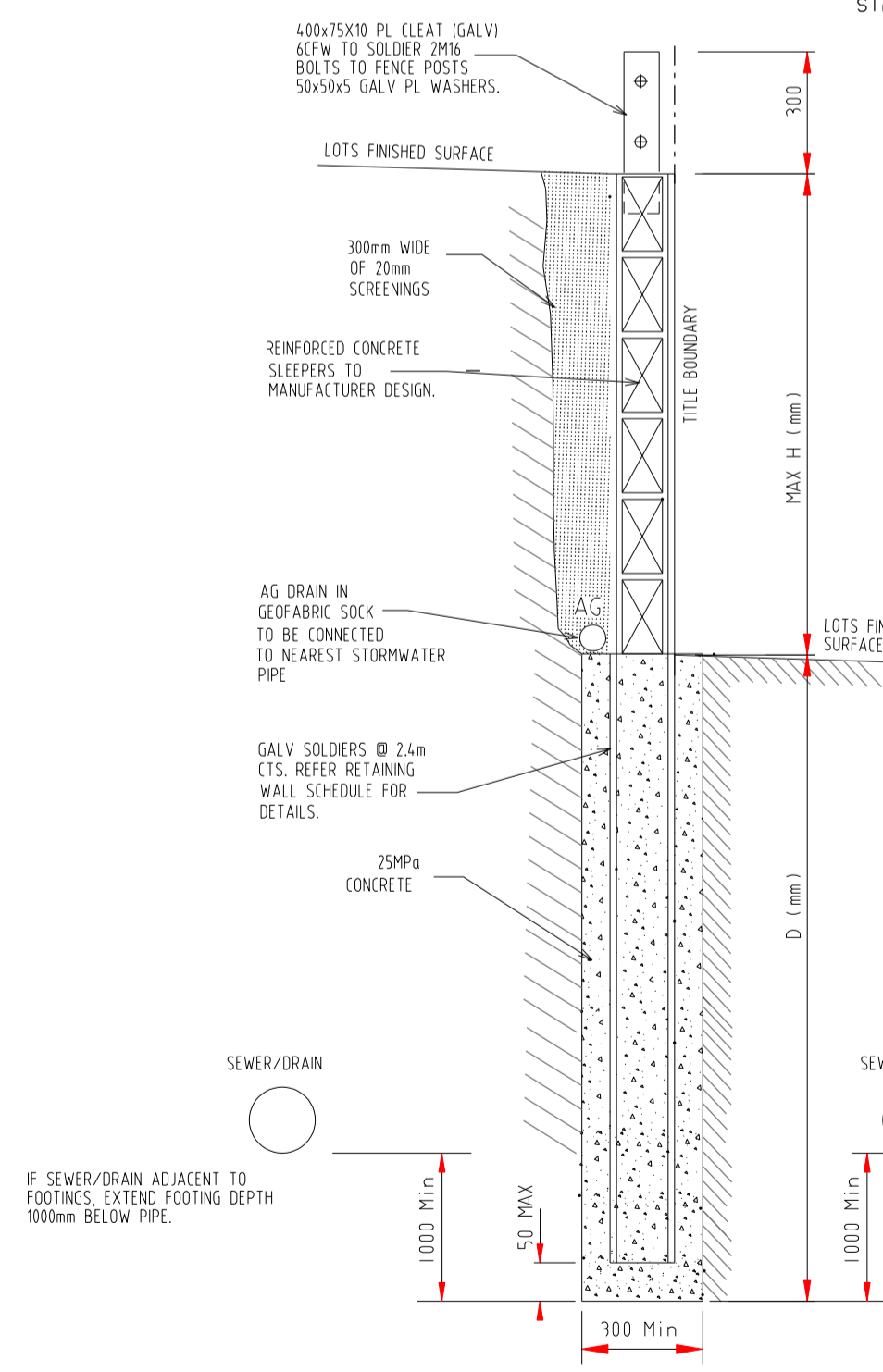
- CONCRETE STRENGTH M25 MIN. (f'c = 25MPa)
- 60mm CONCRETE COVER TO REINFORCING
- ALL CONCRETE, REINFORCING & CONCRETING WORK TO BE IN ACCORDANCE WITH AS3600 CONCRETE CODE
- 450mm CONCRETE BEAM TO EXTEND 2m EITHER SIDE OF SEWER CROSSING FOR ALL SEWER CROSSINGS
- PROVIDE CONSTRUCTION JOINT (CJ) IN WALL WHERE 450 BEAM CHANGES BACK TO 200mm STANDARD FOOTING

CONCRETE SLEEPER RETAINING WALL DETAIL

RETAINING WALL SCHEDULE

HEIGHT - H (mm)	DEPTH - D (mm)	SOLDIERS SIZE
600	900	100 UC 14.8
800	1200	100 UC 14.8
1000	1500	100 UC 14.8

\* D (mm) to be the greater of that shown above or 100mm below adjacent sewer/grainage



AMENDMENTS	DATE	REMARKS
A	2.06.2017	ISSUED FOR CONSTRUCTION
B	27.07.2017	MASS ROCK WALL AMENDED FOR FENCE AND BOLLARD

**brees pitt dixon pty. ltd.**  
land surveyors civil engineers

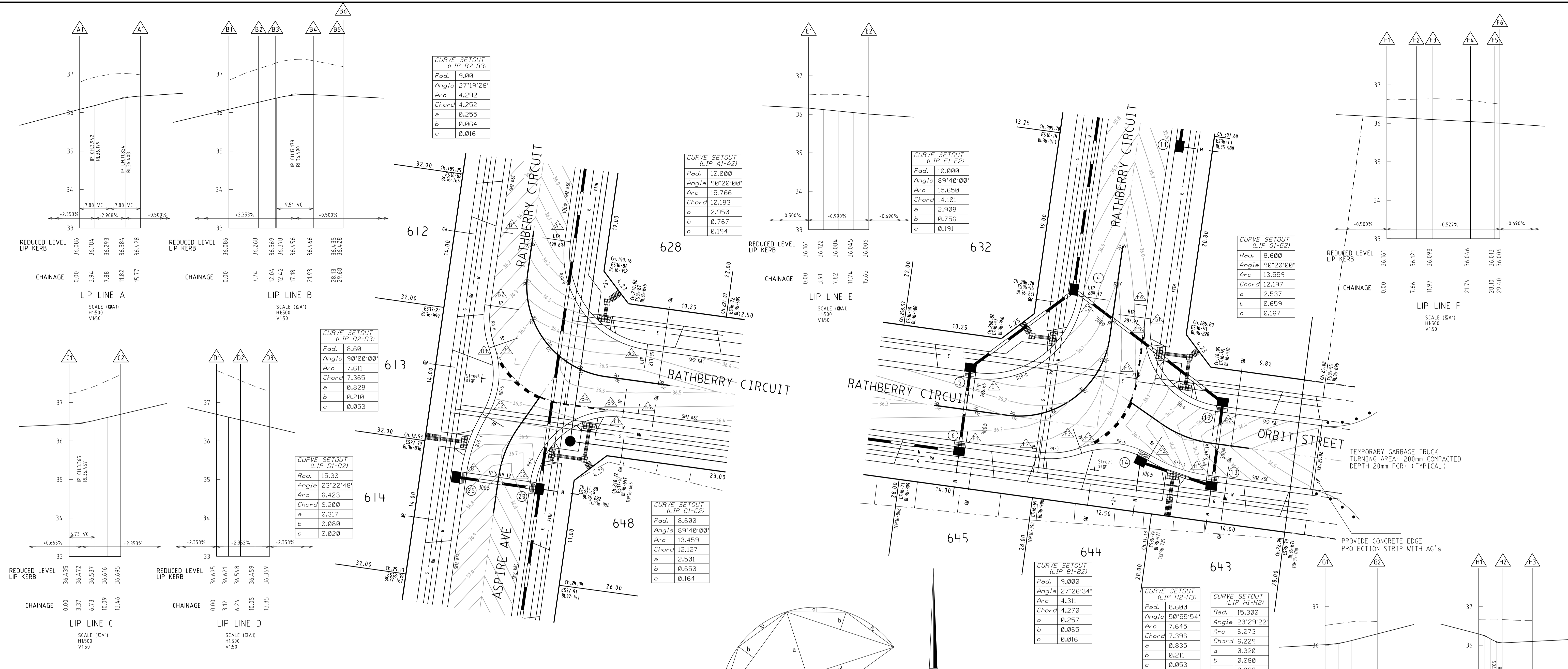
1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310

MELWAY REF. 131-C-12  
SURVEY B.P.D.  
DESIGN RK  
DRAWN RK

**MERIDIAN ESTATE STAGE 6**

MUNICIPALITY CASEY  
REFERENCE 8129 E/6

CHECKED SCALE AS SHOWN DATUM AHD DATE OCT 16 SHEET 3 OF 16 B



**CURVE SETOUT (LIP B2-B3)**

Rad.	9.00
Angle	27°19'26"
Arc	4.292
Chord	4.252
a	0.255
b	0.064
c	0.016

**CURVE SETOUT (LIP A1-A2)**

Rad.	10.000
Angle	90°20'00"
Arc	15.766
Chord	12.183
a	2.950
b	0.767
c	0.194

**CURVE SETOUT (LIP E1-E2)**

Rad.	10.000
Angle	89°40'00"
Arc	15.650
Chord	14.101
a	2.908
b	0.756
c	0.191

**CURVE SETOUT (LIP G1-G2)**

Rad.	8.600
Angle	90°20'00"
Arc	13.559
Chord	12.197
a	2.537
b	0.659
c	0.167

**CURVE SETOUT (LIP D2-D3)**

Rad.	8.60
Angle	90°20'00"
Arc	7.611
Chord	7.365
a	0.828
b	0.210
c	0.053

**CURVE SETOUT (LIP D1-D2)**

Rad.	15.30
Angle	23°22'48"
Arc	6.423
Chord	6.200
a	0.317
b	0.080
c	0.020

**CURVE SETOUT (LIP C1-C2)**

Rad.	8.600
Angle	89°40'00"
Arc	13.459
Chord	12.127
a	2.501
b	0.650
c	0.164

**CURVE SETOUT (LIP B1-B2)**

Rad.	9.000
Angle	27°26'34"
Arc	4.311
Chord	4.270
a	0.257
b	0.065
c	0.016

**CURVE SETOUT (LIP H2-H3)**

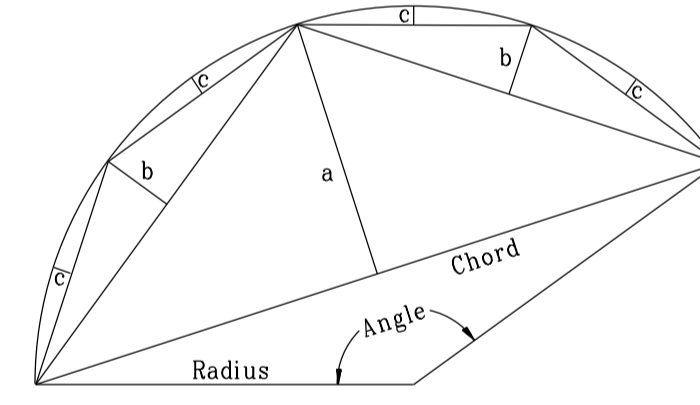
Rad.	8.600
Angle	50°55'54"
Arc	7.645
Chord	7.396
a	0.835
b	0.211
c	0.053

**CURVE SETOUT (LIP H1-H2)**

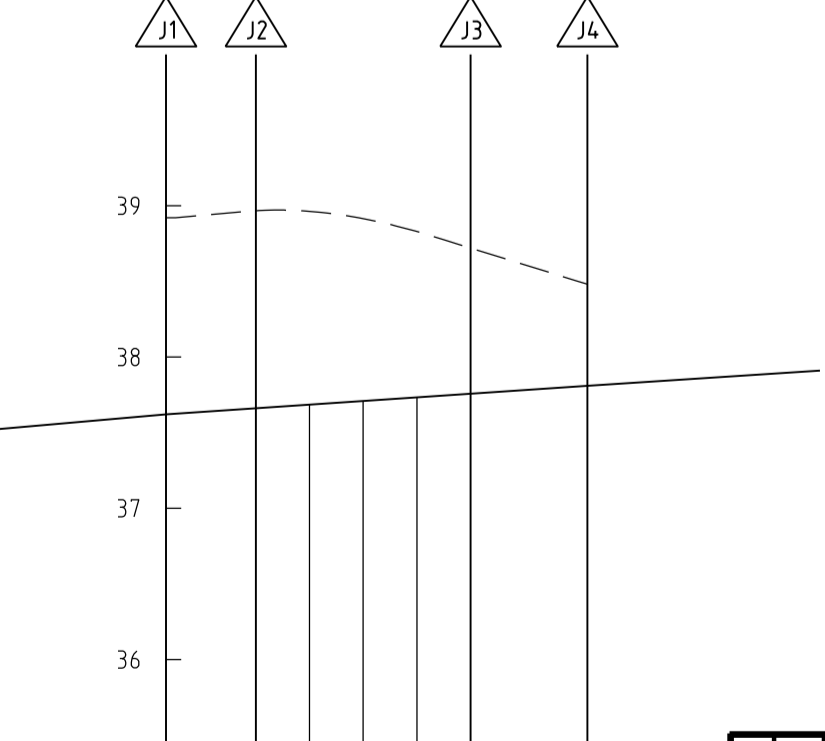
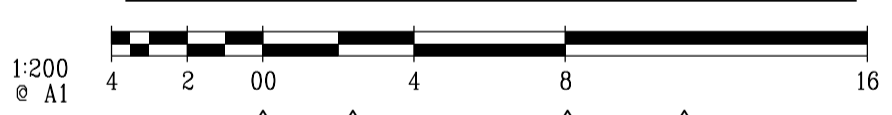
Rad.	15.300
Angle	23°29'22"
Arc	6.273
Chord	6.229
a	0.320
b	0.080
c	0.020

**CURVE SETOUT (LIP I1-I2)**

Rad.	10.000
Angle	90°20'00"
Arc	15.766
Chord	14.183
a	2.950
b	0.655
c	0.194



**INTERSECTION DETAILS**



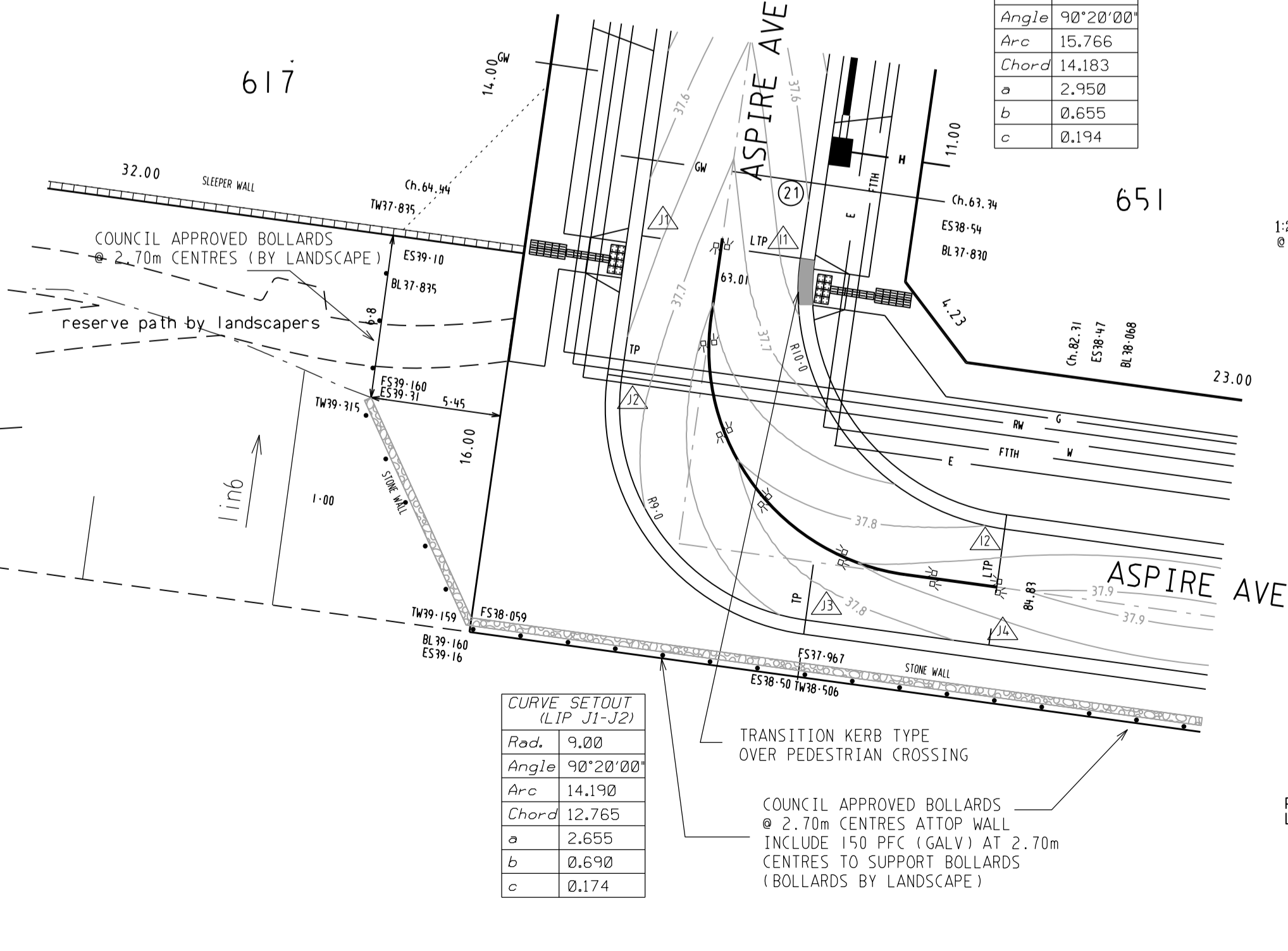
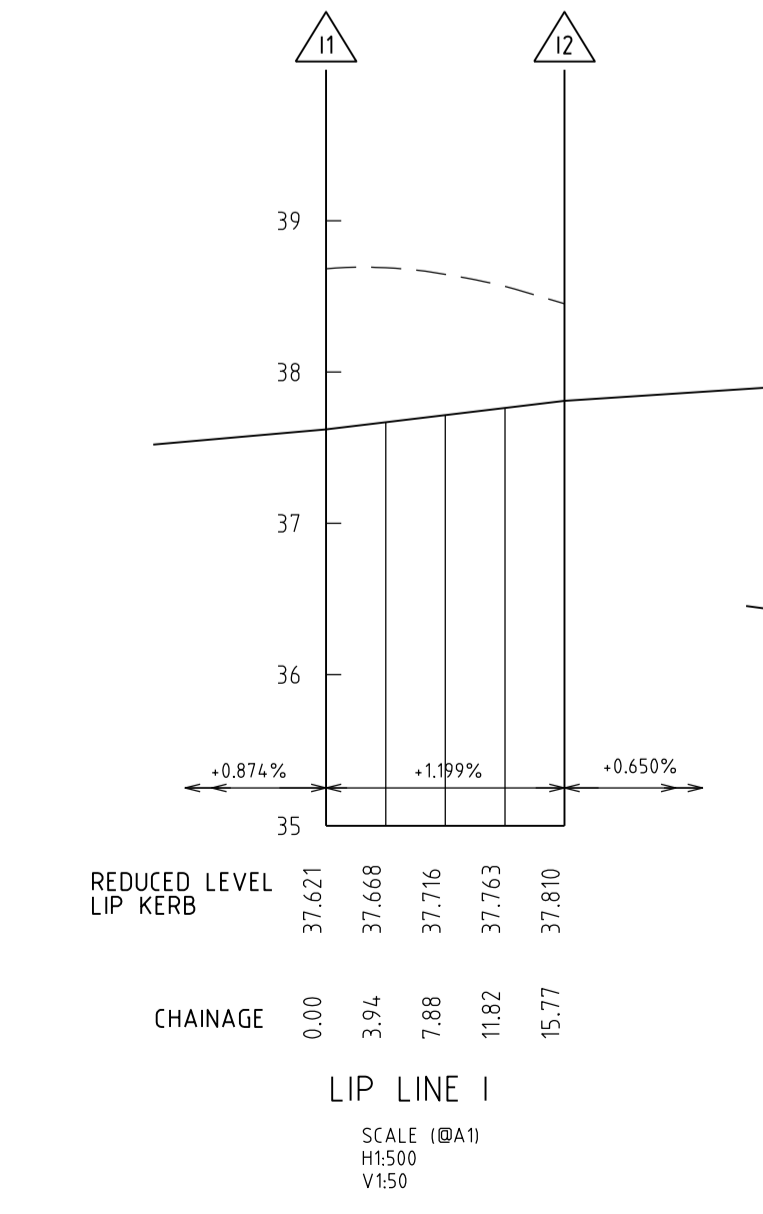
TACTILE GROUND SURFACE INDICATORS (TSGI) ARE TO BE INSTALLED WHERE SHOWN IN ACCORDANCE WITH AS 1428

**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

**SYMBOL LEGEND**

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



**CURVE SETOUT (LIP J1-J2)**

Rad.	9.00
Angle	90°20'00"
Arc	14.190
Chord	12.765
a	2.655
b	0.690
c	0.174

AMENDMENTS	DATE	REMARKS
A	2.06.2017	ISSUED FOR CONSTRUCTION
B	27.07.2017	BOLLARDS ADDED TO ROCK WALL
C	4.09.2017	RESERVE PATH BY LANDSCAPERS SHOWN, STREET PATH AMENDED TO MATCH

**breese pitt dixon pty. ltd.**  
land surveyors civil engineers

**MELWAY REF. 131-C-12**

**SURVEY B.P.D.**

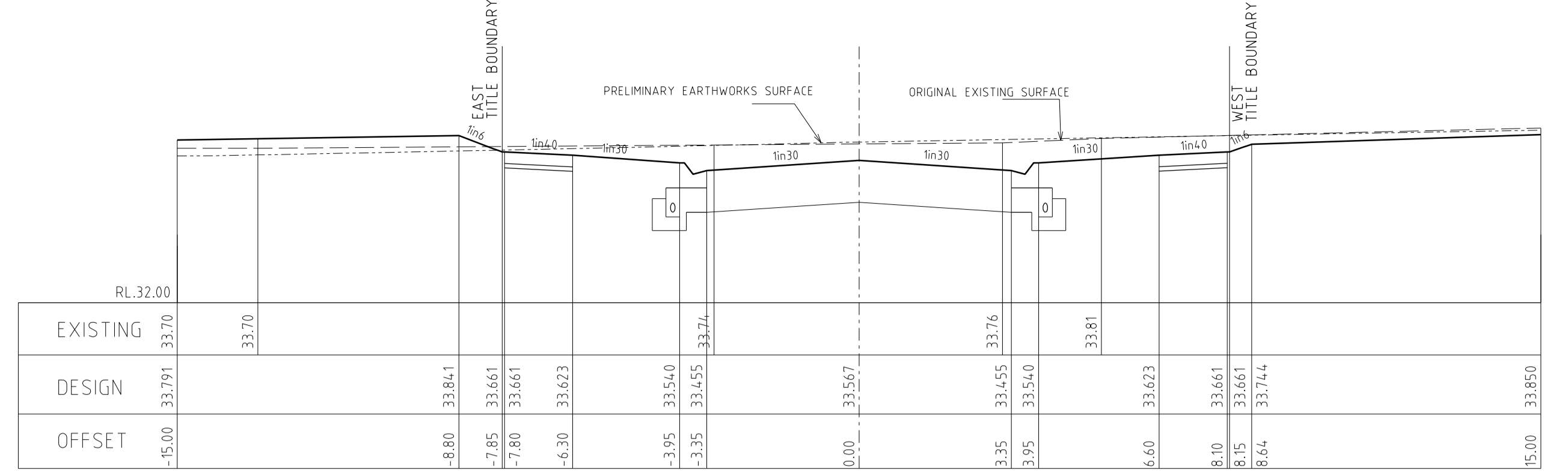
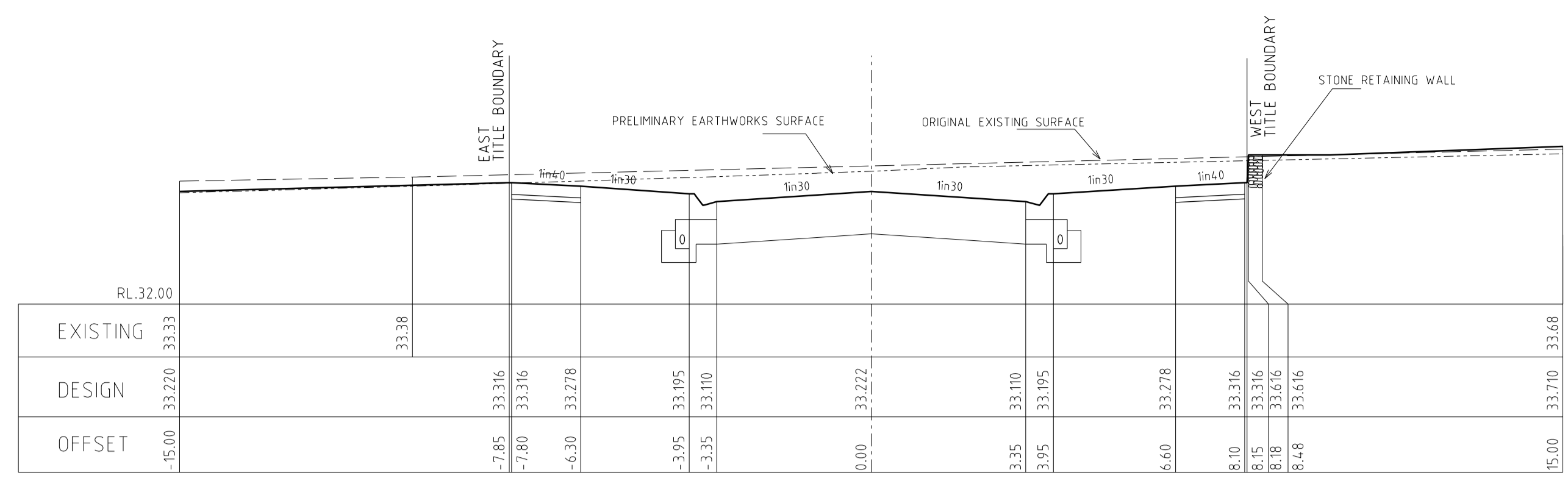
**DESIGN RK**

**DRAWN RK**

**SCALE AS SHOWN DATUM AHD DATE OCT 16 SHEET 4 OF 16**

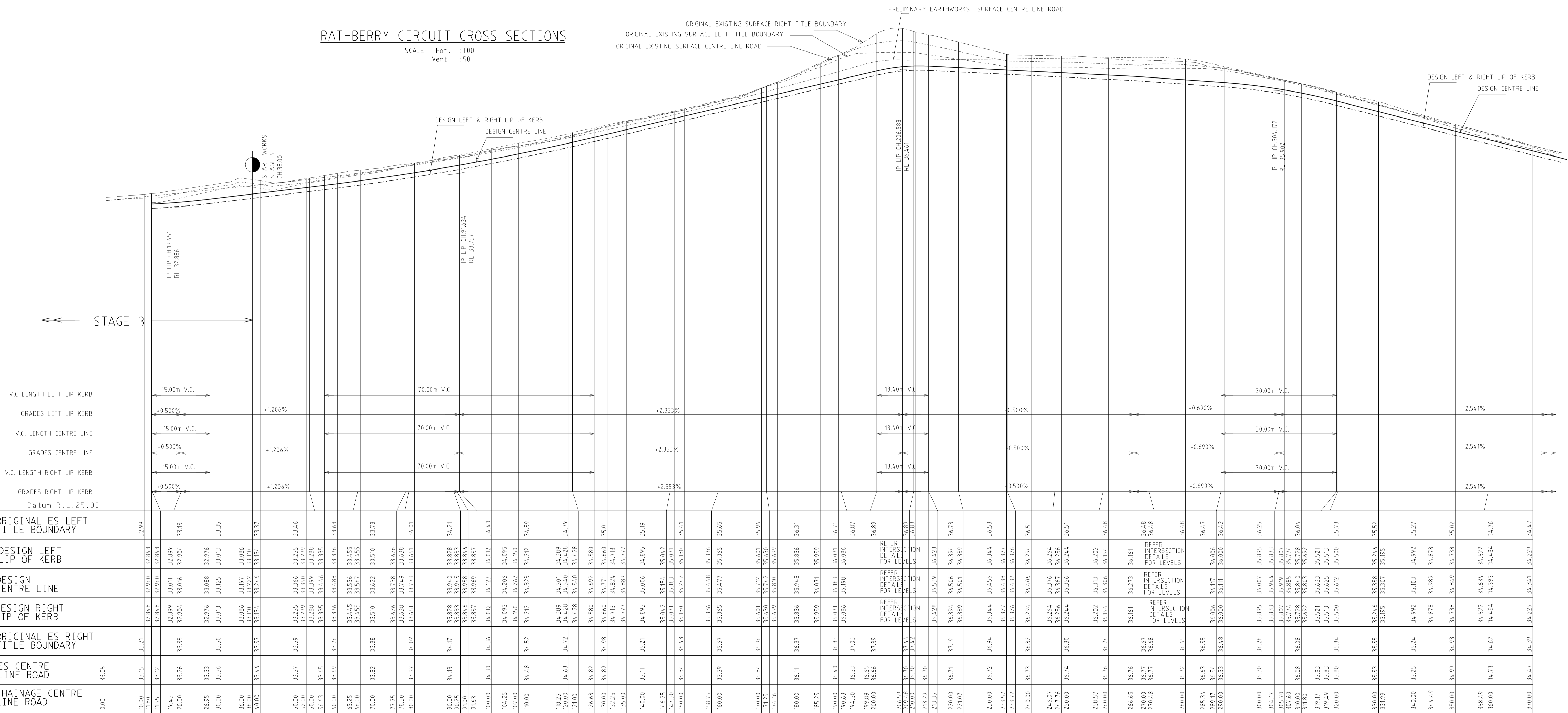
**MUNICIPALITY CASEY**

**REFERENCE 8129 E/1**



RATHBERRY CIRCUIT CROSS SECTIONS

SCALE Hor. 1:100  
Vert. 1:50



RATHBERRY CIRCUIT LONGITUDINAL SECTION

SCALE Hor. 1:500  
Vert. 1:50

AMENDMENTS	2.06.2017	ISSUED FOR CONSTRUCTION
VER.	DATE	REMARKS

**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**

**CHECKED**

**MERIDIAN ESTATE**

**STAGE 6**

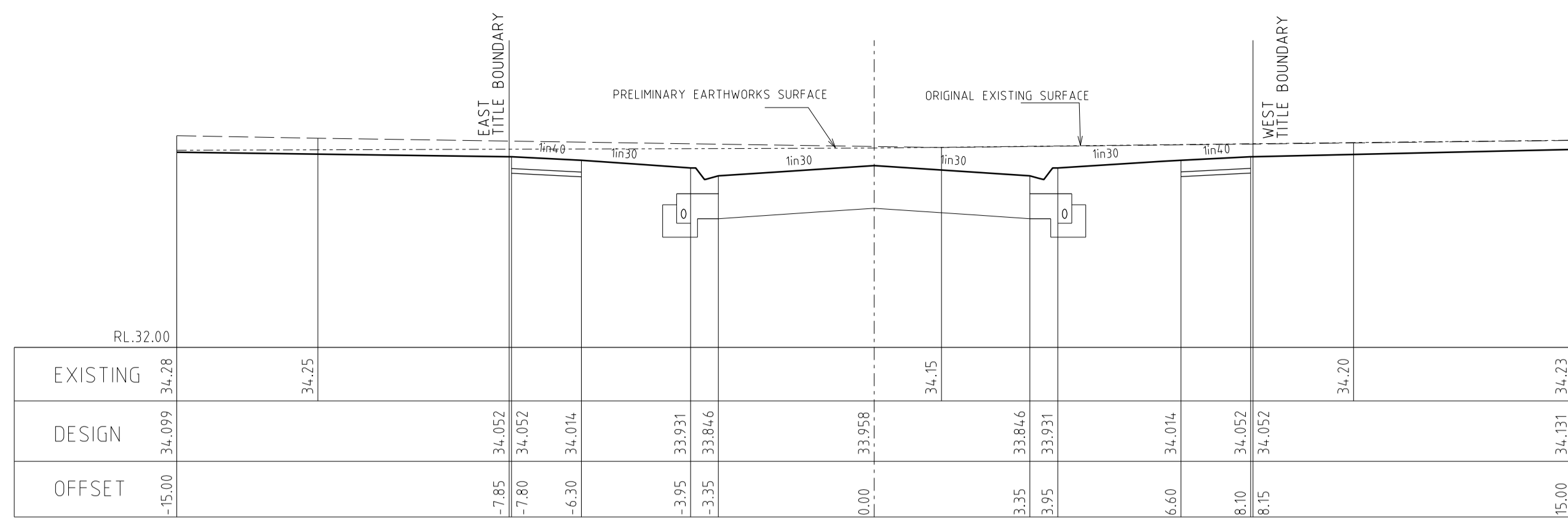
**MUNICIPALITY**

**CASEY**

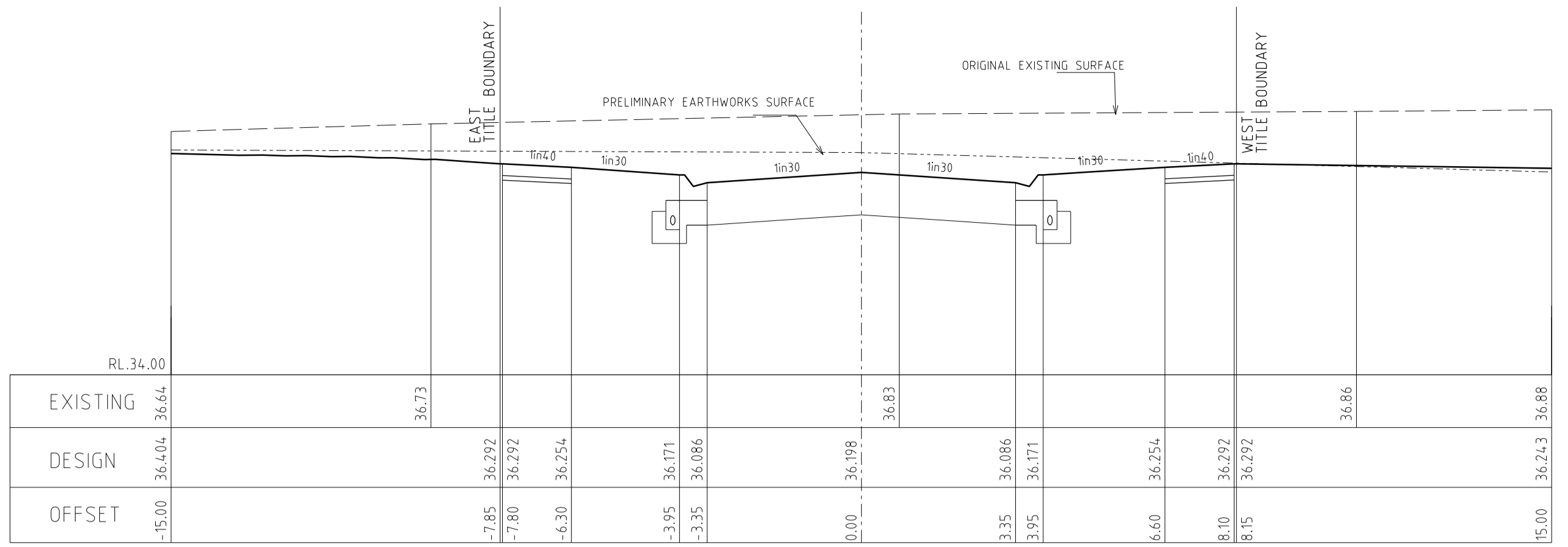
**REFERENCE**

**8129 E/6**

**SCALE AS SHOWN**    **DATUM AHD**    **DATE OCT 16**    **SHEET 5 OF 16**



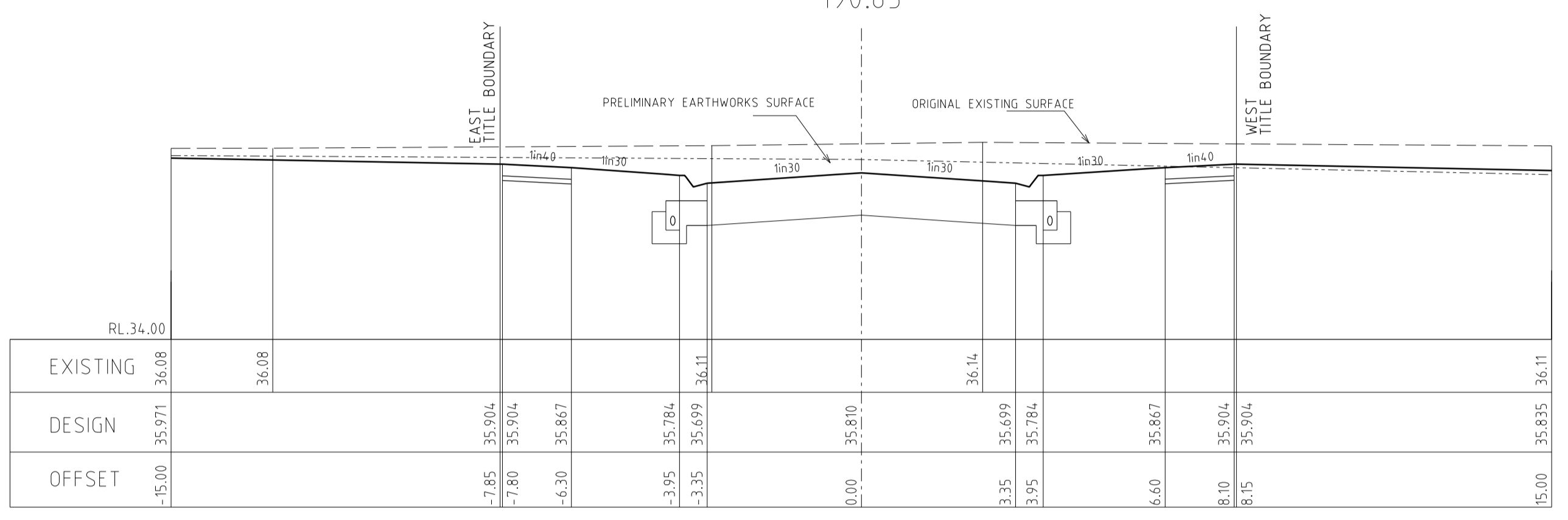
91.00



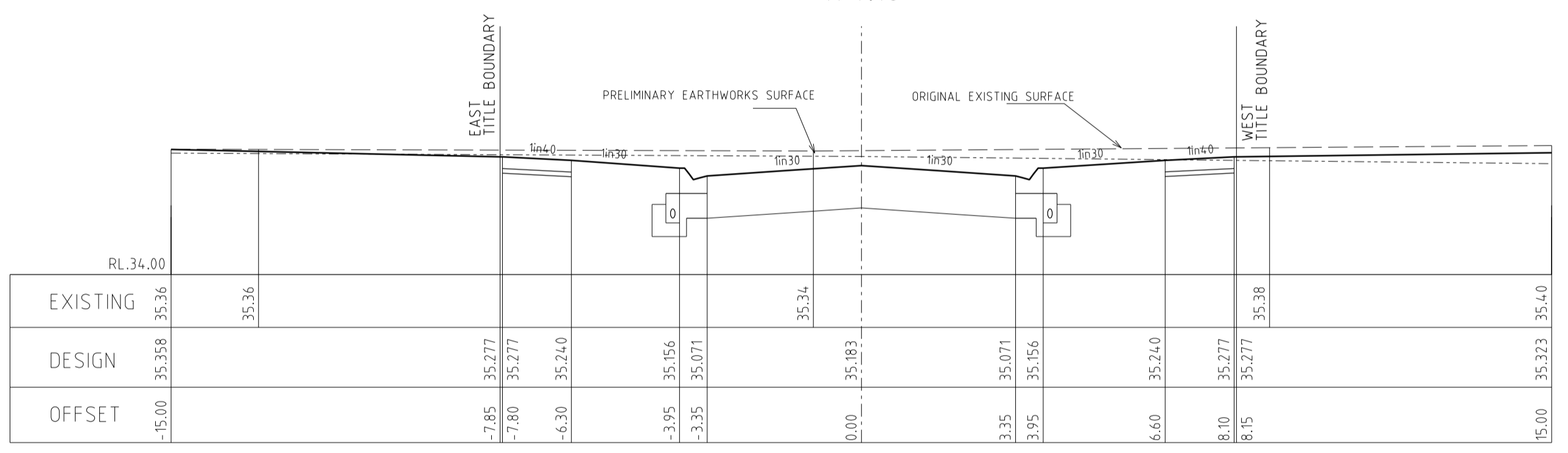
190.63

RATHBERRY CIRCUIT CROSS SECTIONS

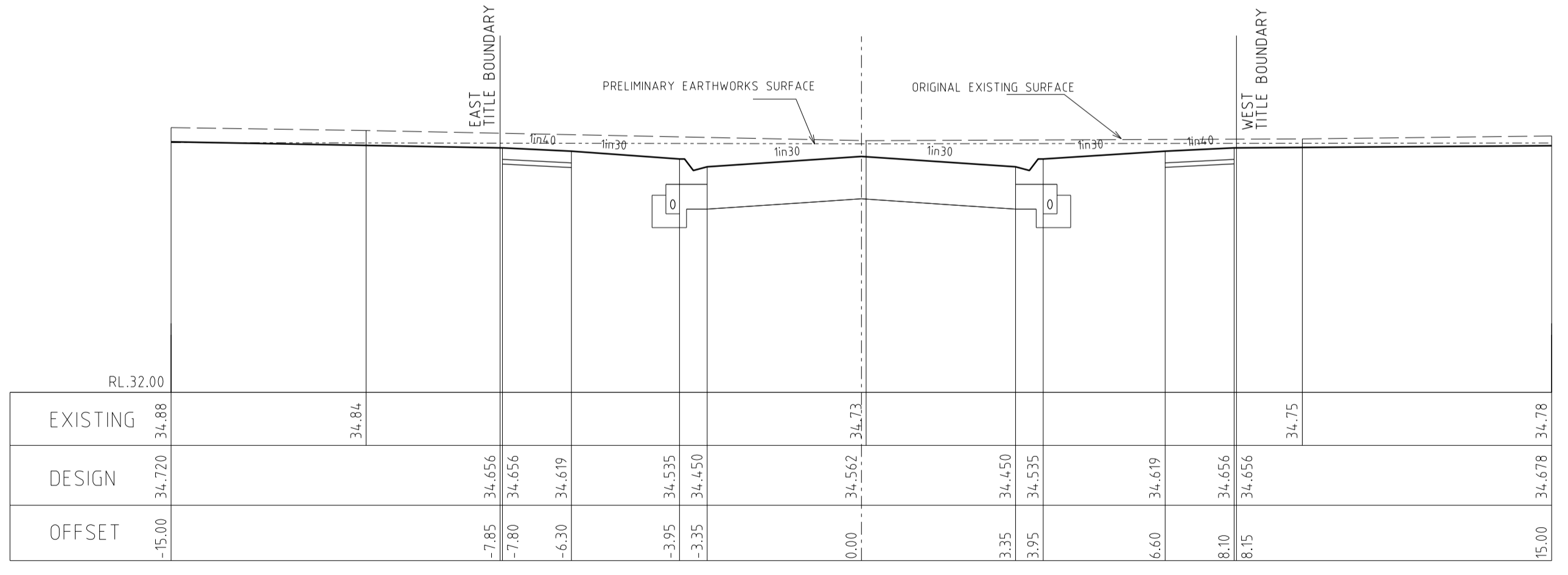
SCALE Hor. 1:100  
Vert 1:50



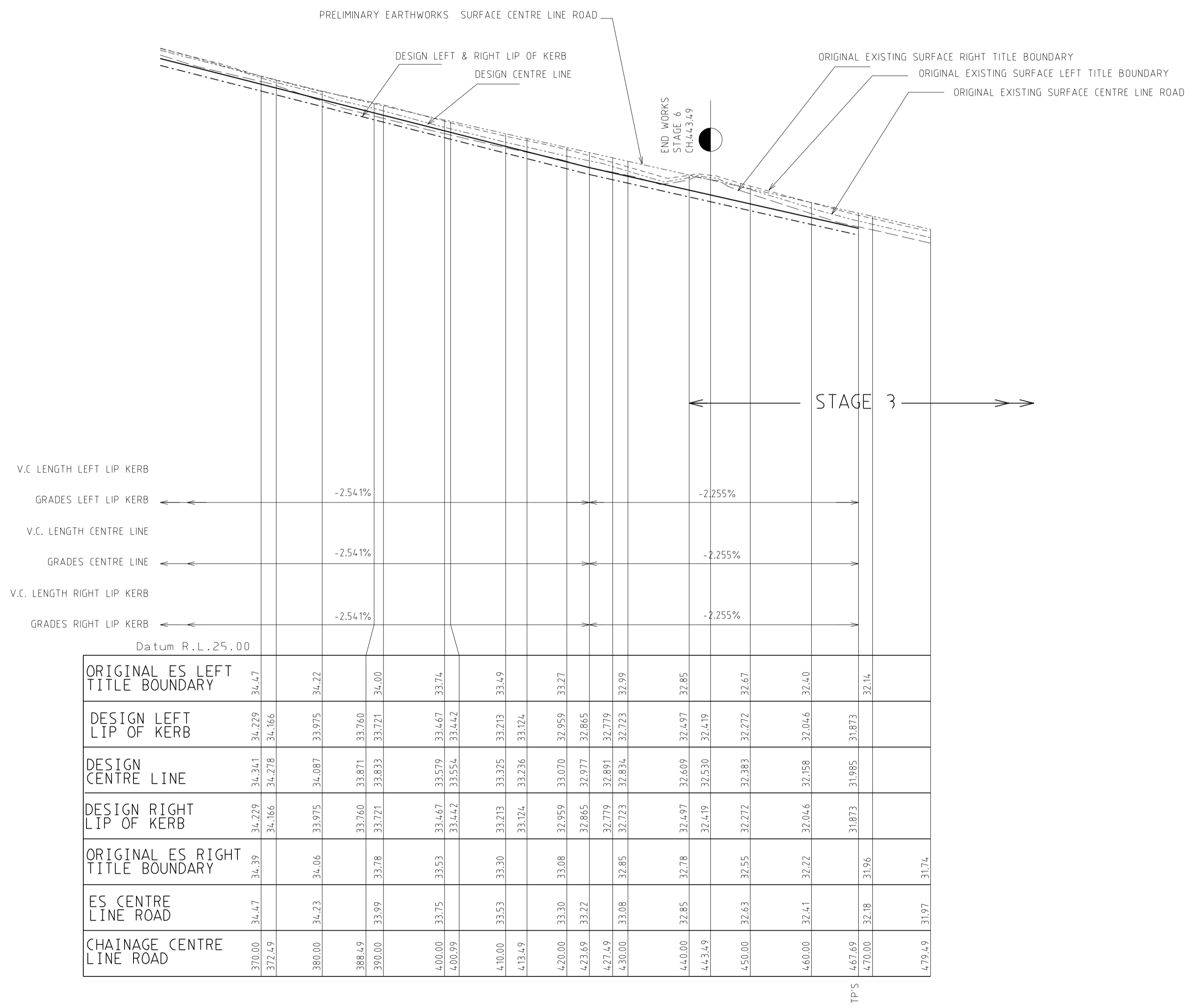
174.16



147.50




121.00

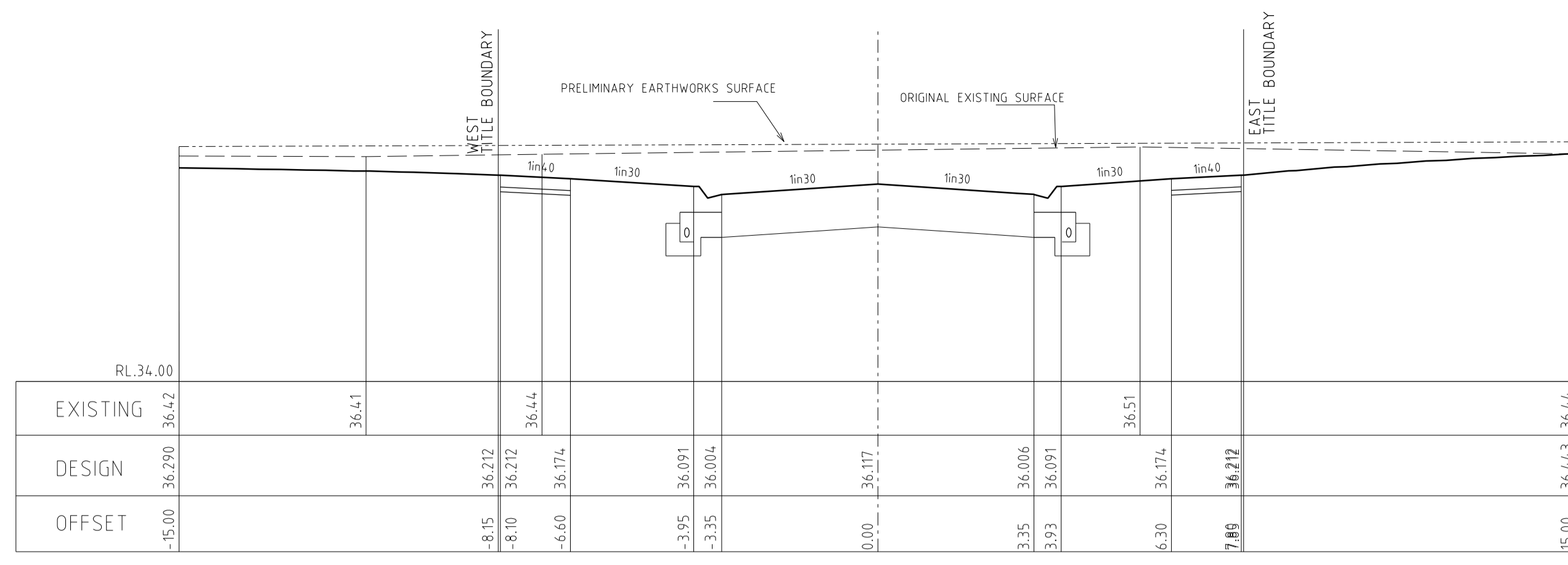


RATHBERRY CIRCUIT LONGITUDINAL SECTION

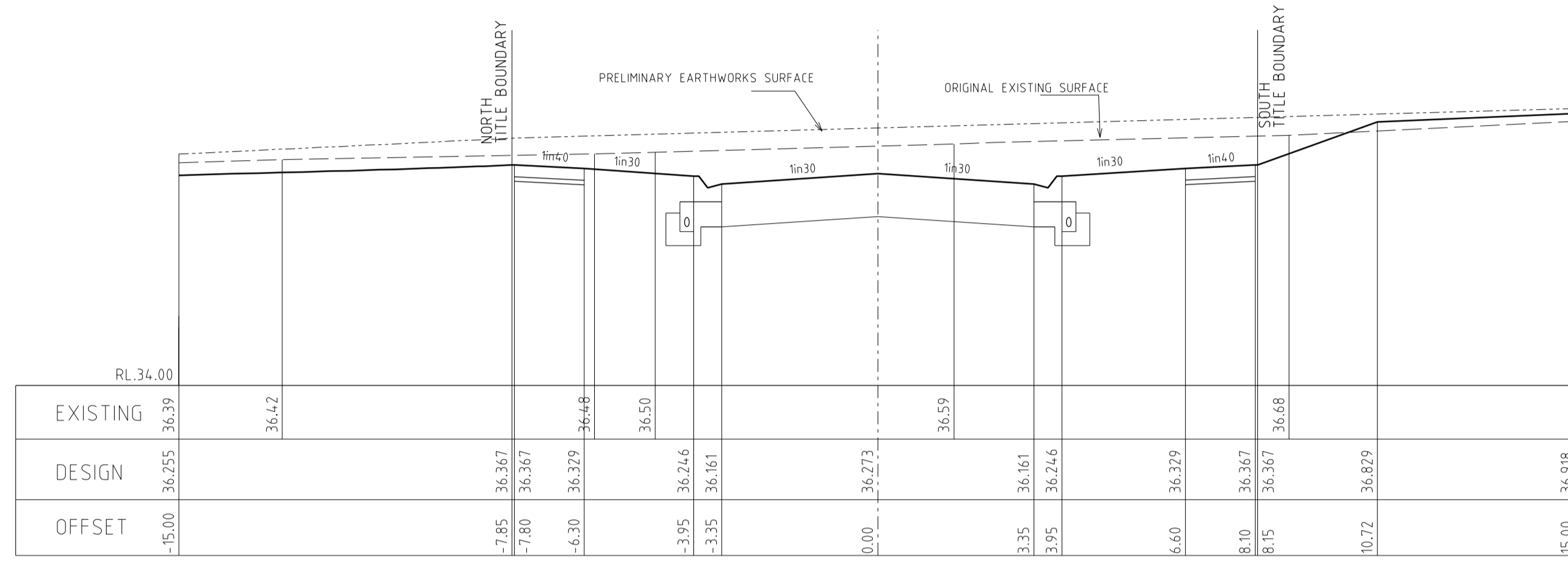
SCALE Hor. 1:500  
Vert 1:50

AMENDMENTS	A	2.06.2017	ISSUED FOR CONSTRUCTION	 <b>breese pitt dixon pty. ltd.</b> land surveyors civil engineers	1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310
MELWAY REF.	131-C-12		MUNICIPALITY		CASEY
SURVEY	B.P.D.		REFERENCE		8129 E/6
DESIGN	RK		SHEET		6 OF 16 A
DATE			REMARKS	CHECKED	SCALE AS SHOWN
					DATUM AHD
					DATE OCT 16

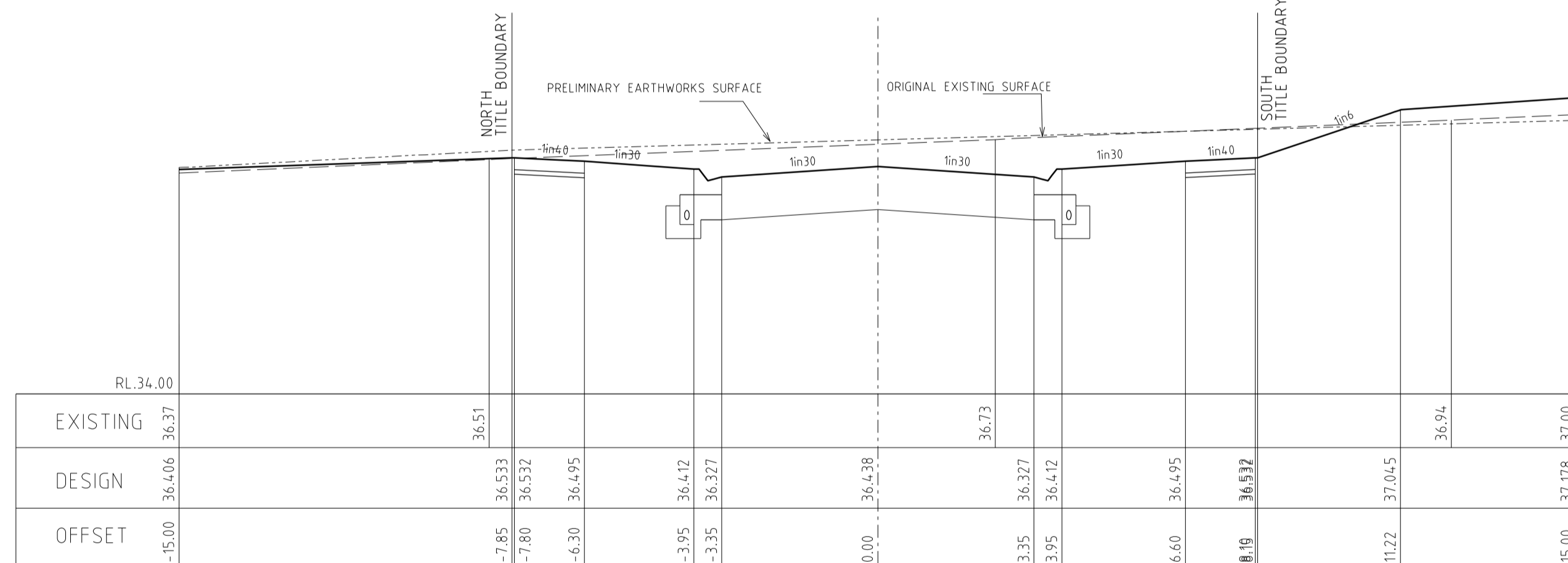
P:\101627\101627.dwg



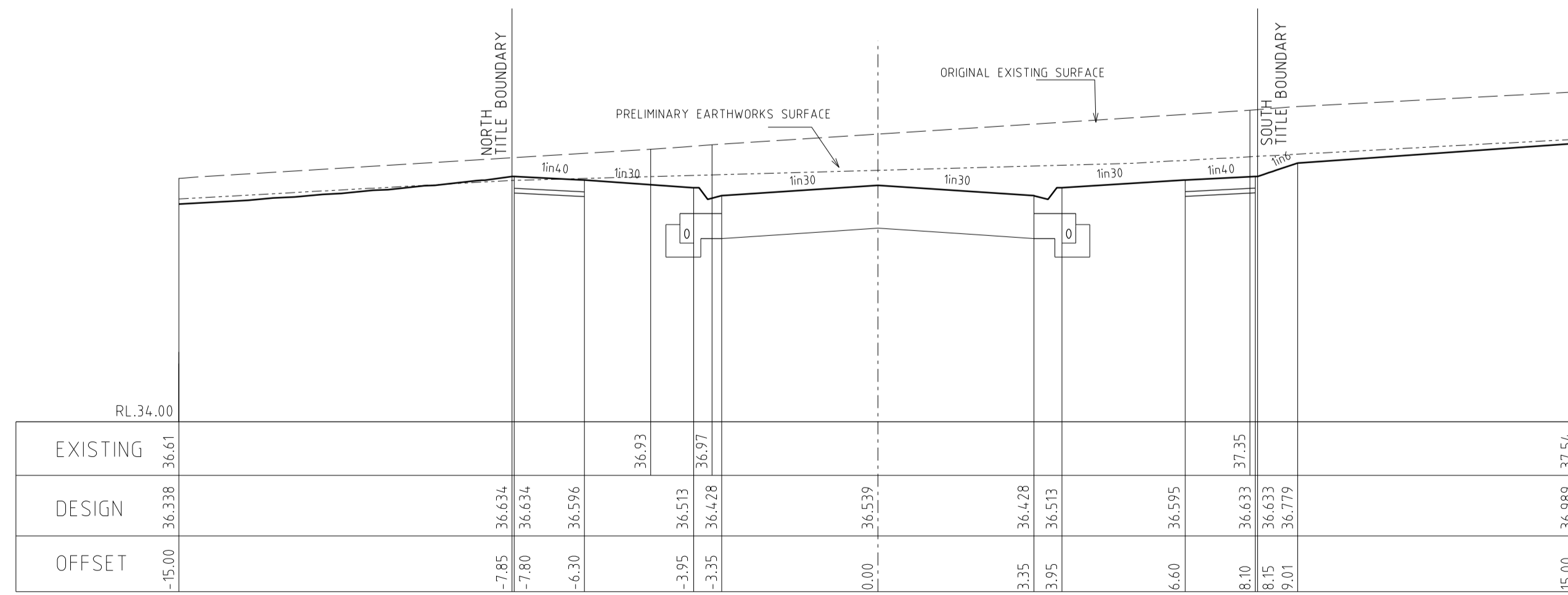
289.17



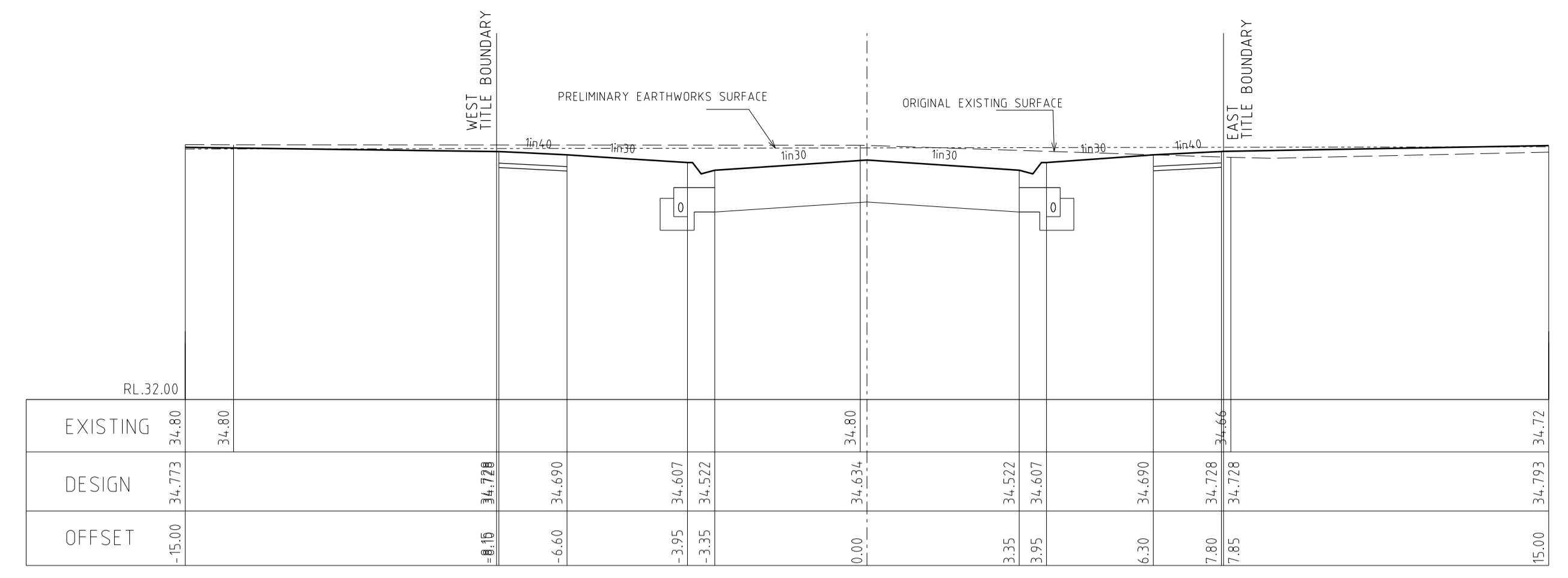
266.65



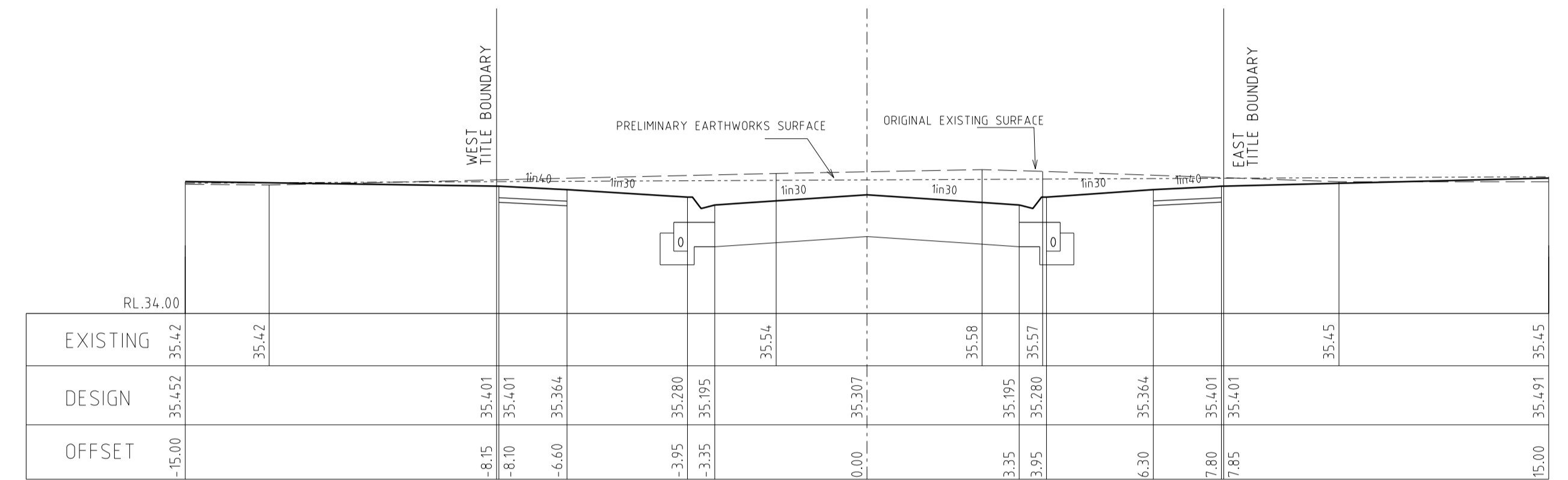
233.57



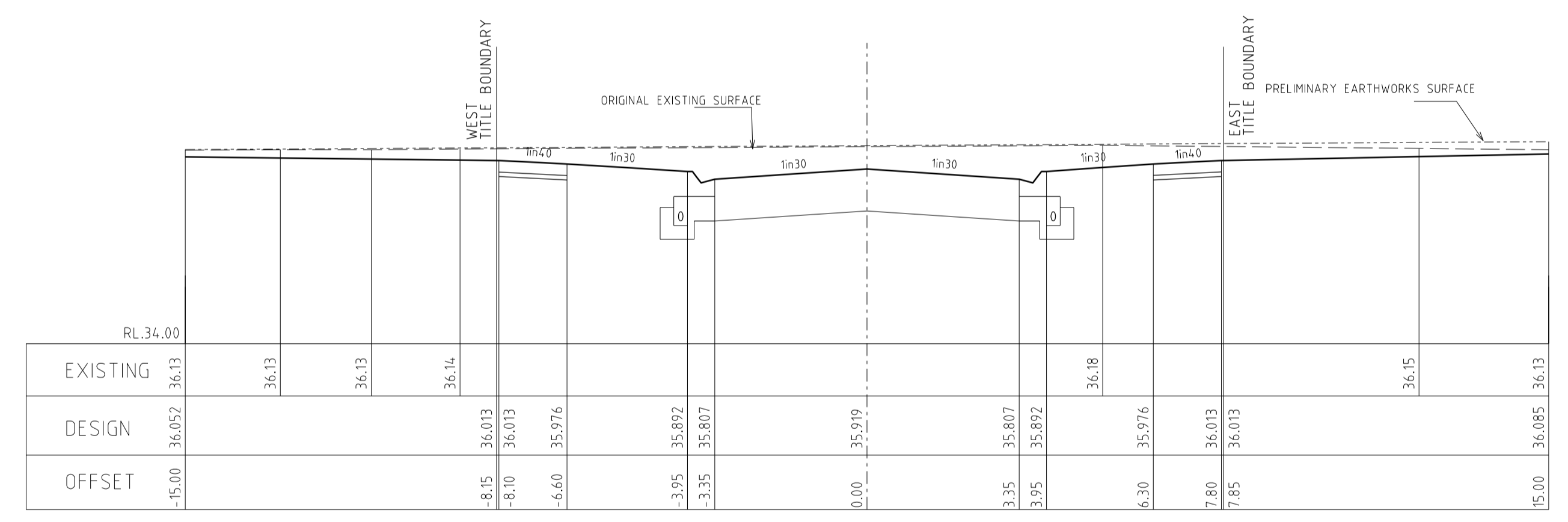
213.35



358.49



331.99

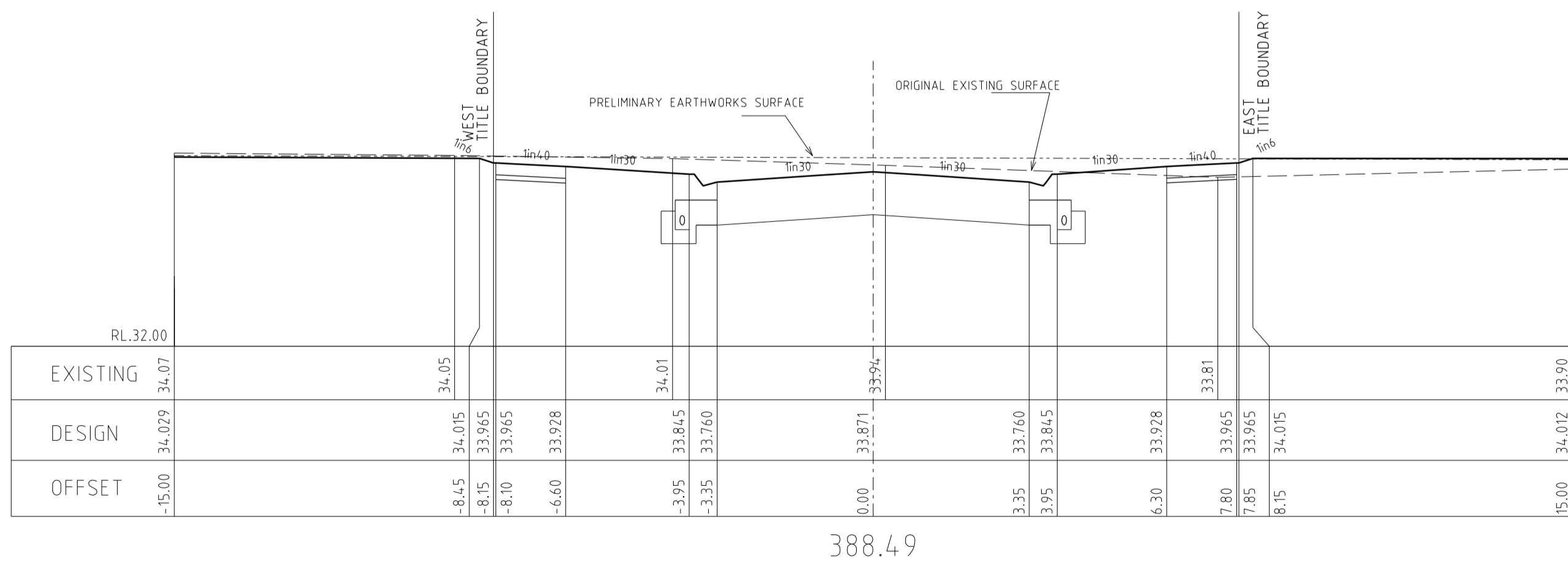
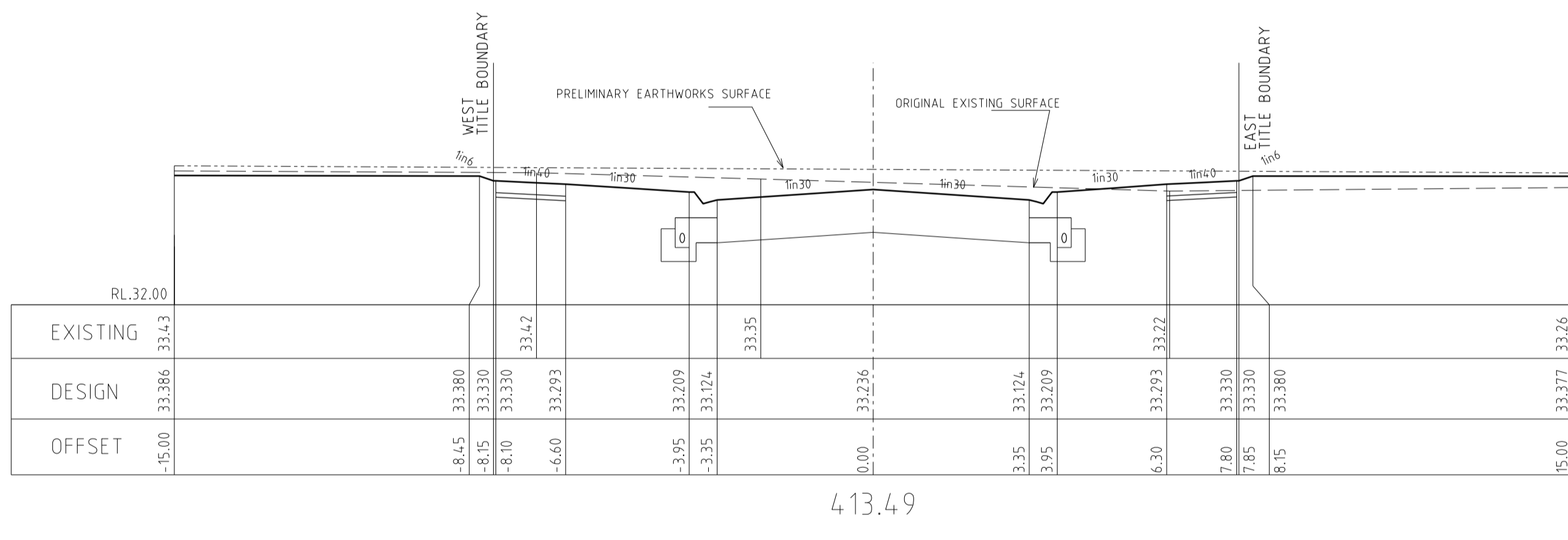
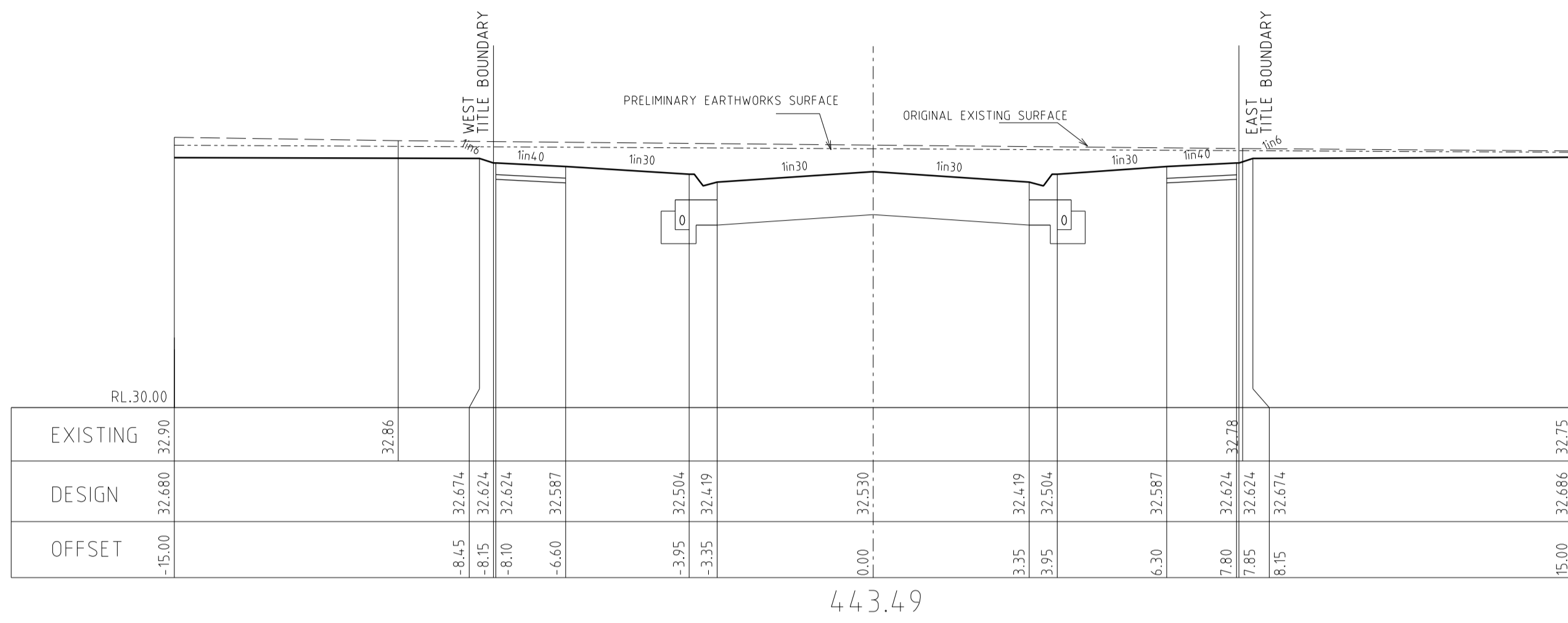


305.70

RATHBERRY CIRCUIT CROSS SECTIONS

SCALE Hor. 1:100  
Vert 1:50

AMENDMENTS	A	2.06.2017	ISSUED FOR CONSTRUCTION	 breese pitt dixon pty. ltd. land surveyors civil engineers	1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310				
VER.	DATE	REMARKS	CHECKED	SCALE AS SHOWN	DATUM AHD	DATE OCT 16	SHEET 7 OF 16	MUNICIPALITY CASEY	REFERENCE 8129 E/6



RATHBERRY CIRCUIT CROSS SECTIONS  
 SCALE Hor. 1:100  
 Vert 1:50

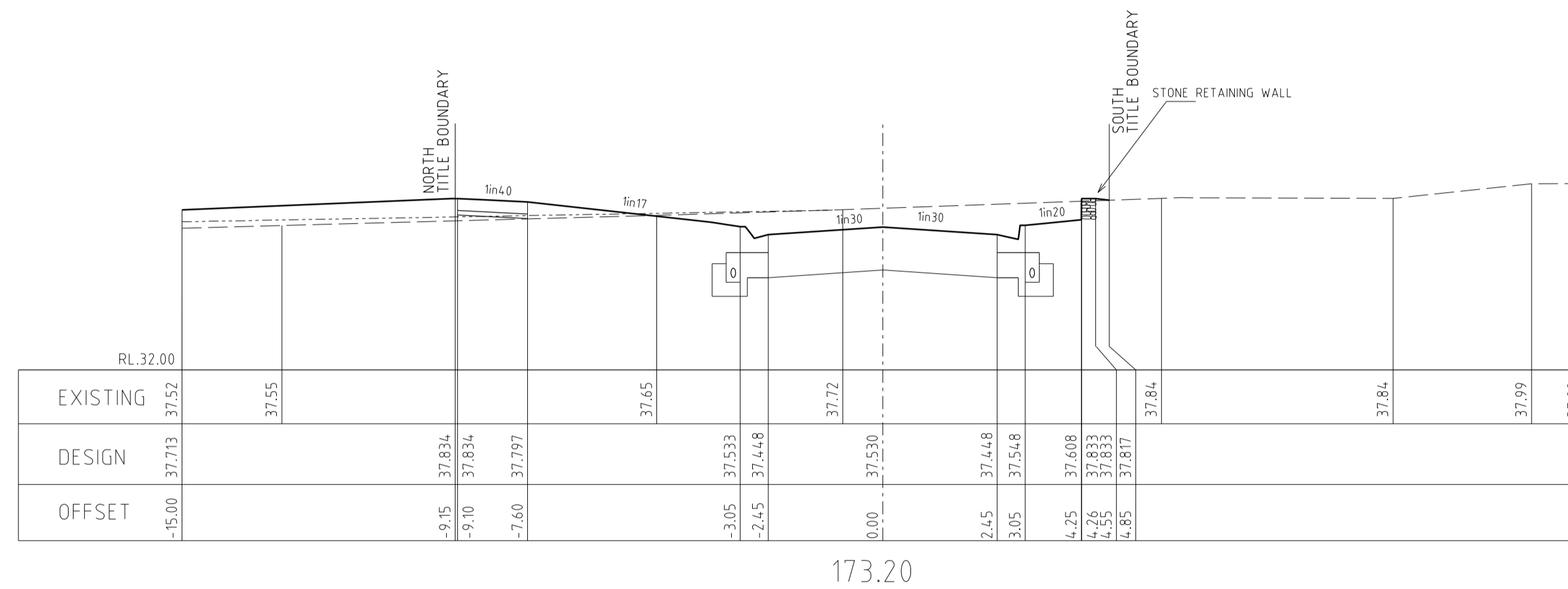
AMENDMENTS		A 2.06.2017 ISSUED FOR CONSTRUCTION		<b>breese pitt dixon pty. ltd.</b> land surveyors civil engineers 1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
		MELWAY REF.	131-C-12	MUNICIPALITY	
		SURVEY	B. P. D.	CASEY	
		DESIGN	RK	REFERENCE	
		DRAWN	RK	8129 E/6	
VER.	DATE	REMARKS		CHECKED	SCALE AS SHOWN
					DATUM AHD
					DATE OCT 16
					SHEET 8 OF 16
					A

D:\convent\1\ea\_rbb\_csra\_no\_ref.dgn

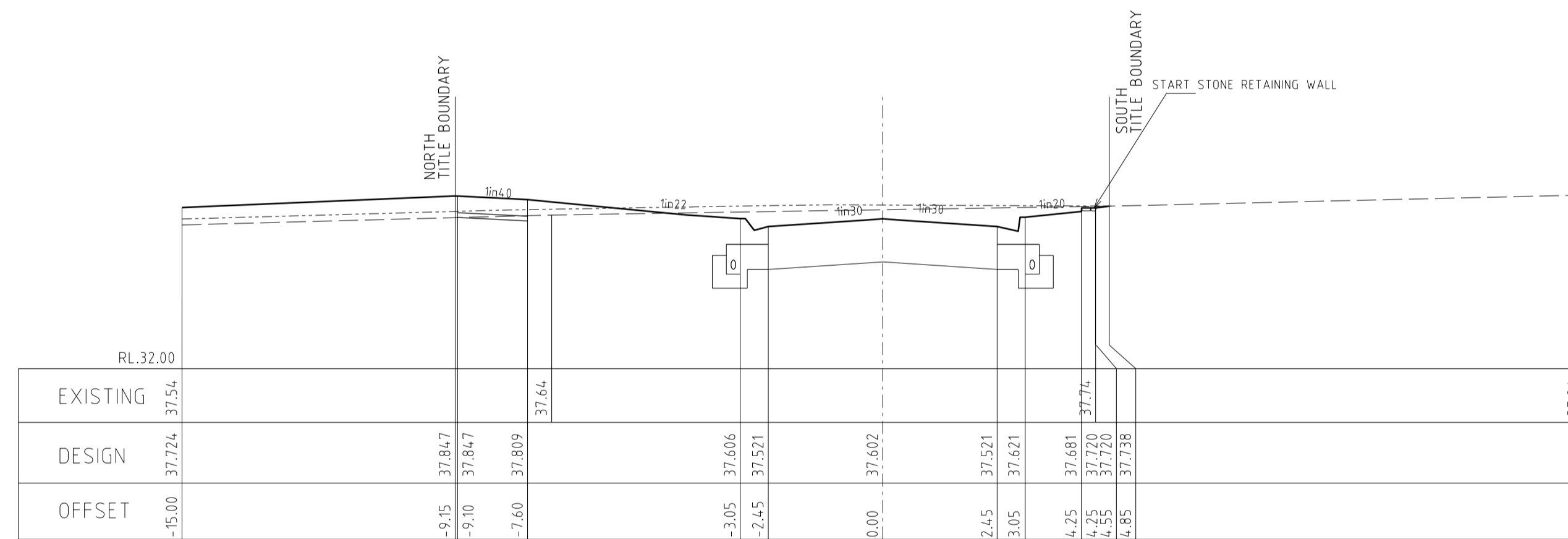




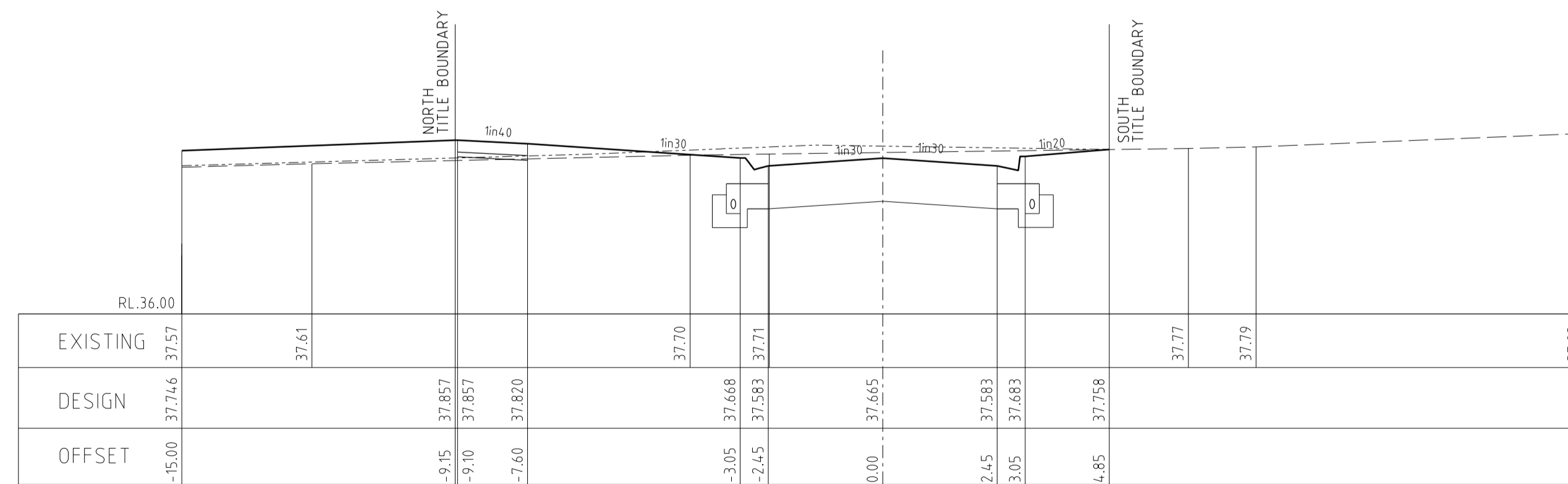




173.20



158.67

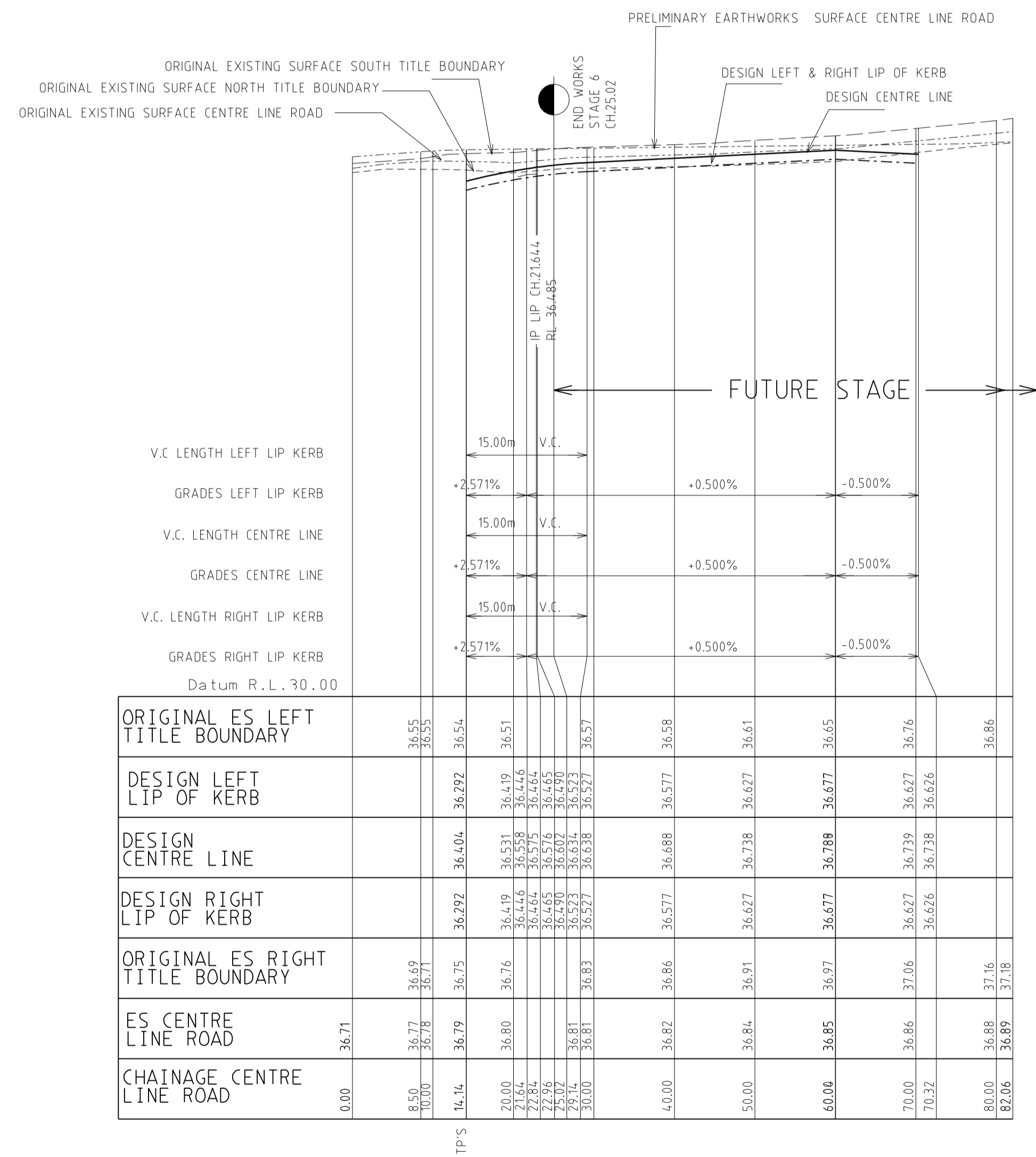


146.17

ASPIRE AVENUE CROSS SECTIONS

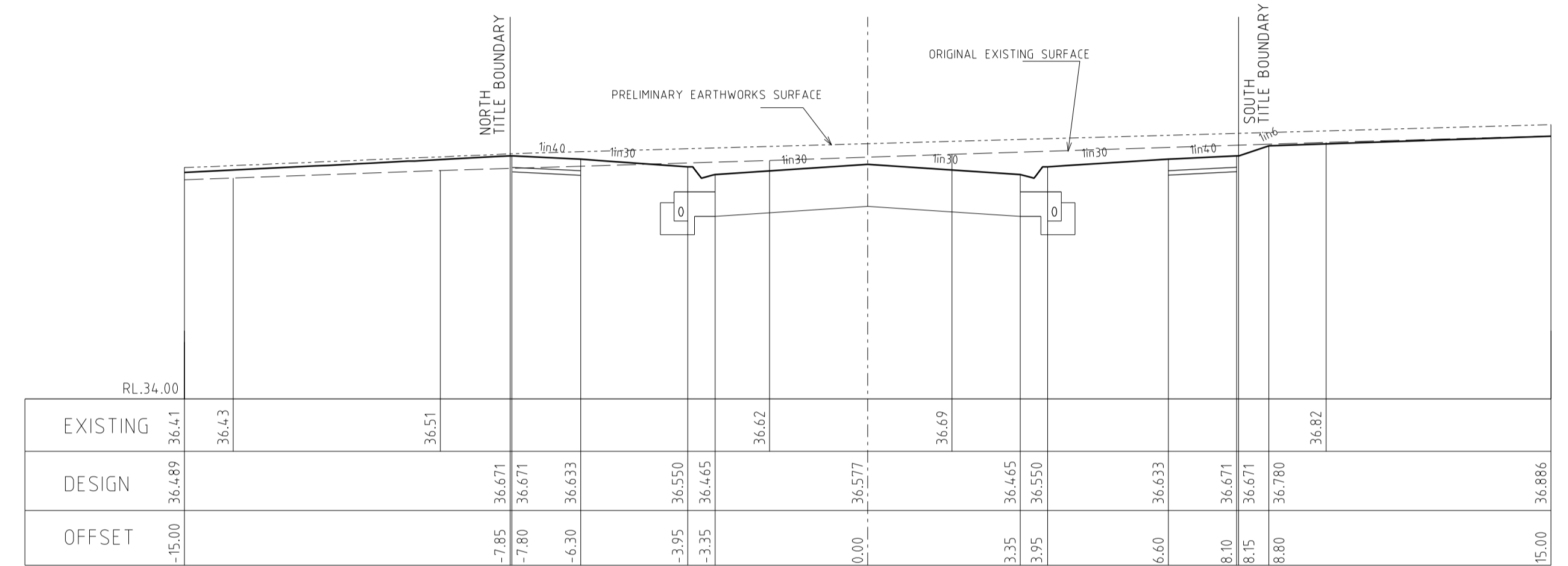
SCALE Hor. 1:100  
Vert 1:50

AMENDMENTS	A	2.06.2017	ISSUED FOR CONSTRUCTION	 breese pitt dixon pty. ltd. land surveyors civil engineers 1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	MUNICIPALITY CASEY REFERENCE 8129 E/6			
VER	DATE	REMARKS	CHECKED	MELWAY REF. 131-C-12 SURVEY B.P.D. DESIGN RK DRAWN RK	MERIDIAN ESTATE STAGE 6			
				SCALE AS SHOWN	DATUM AHD	DATE OCT 16	SHEET 11 OF 16	A

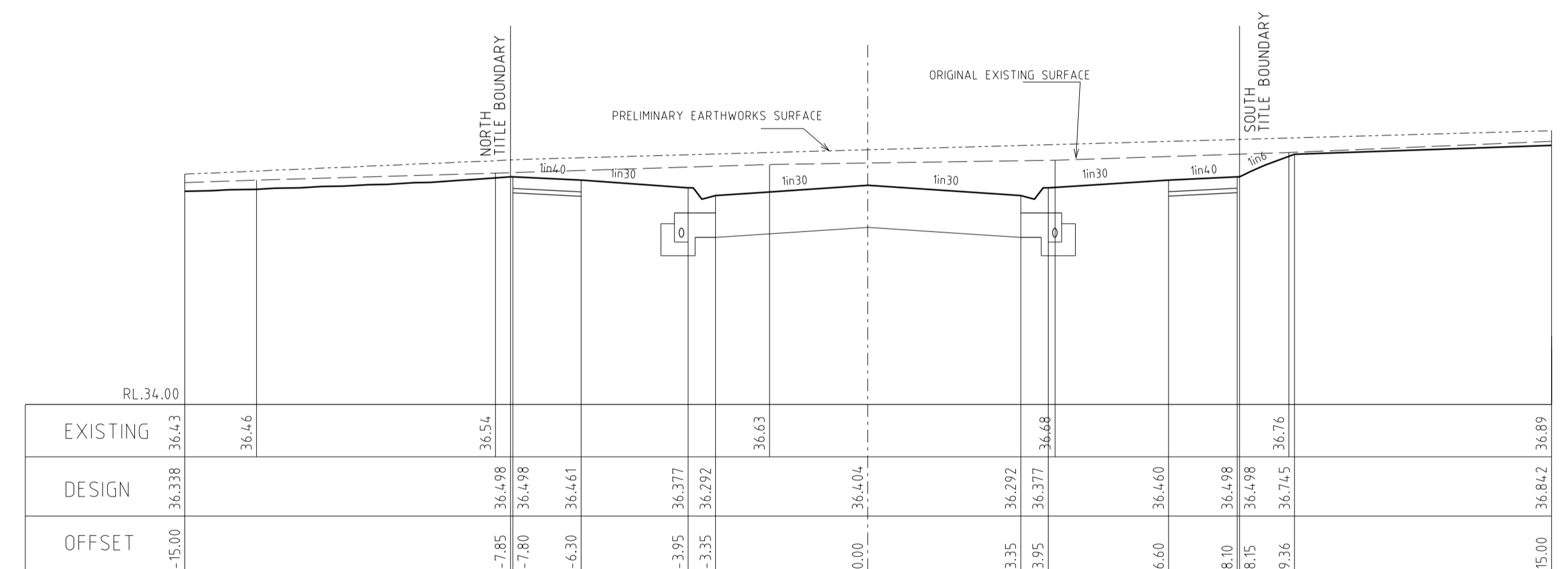


ORBIT STREET LONGITUDINAL SECTION

SCALE Hor. 1:500  
Vert 1:50



22.96

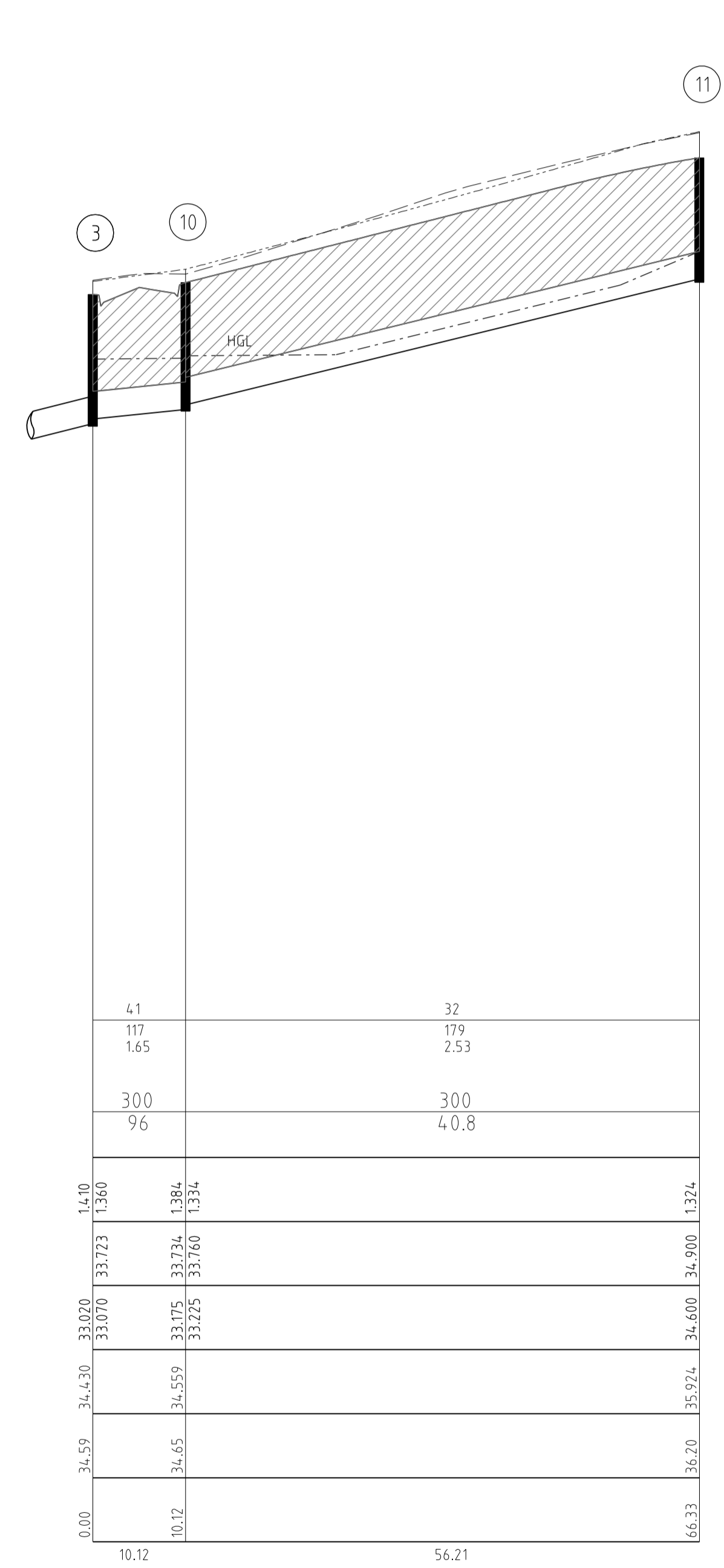
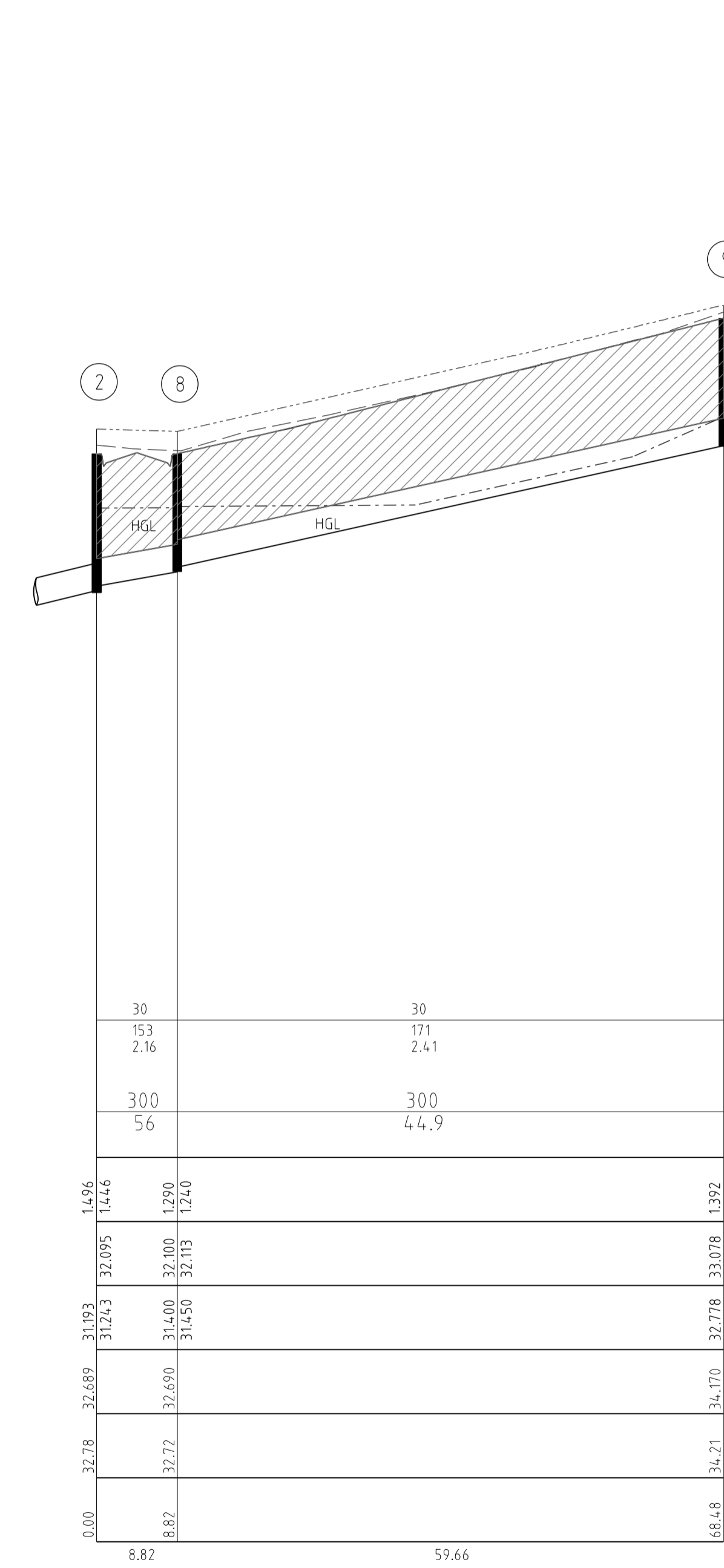
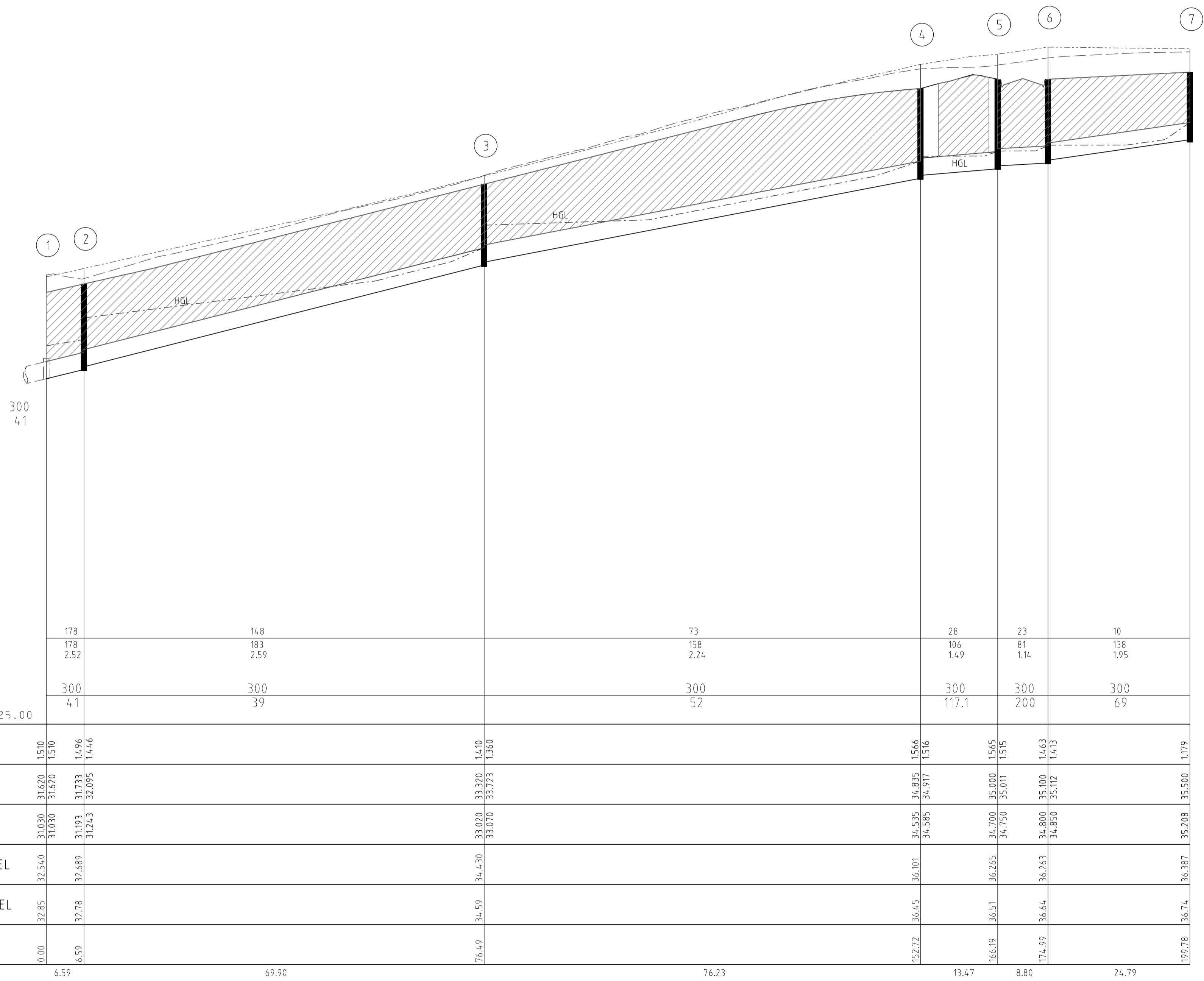


14.14

ORBIT STREET CROSS SECTIONS

SCALE Hor. 1:100  
Vert 1:50

AMENDMENTS	A	2.06.2017	ISSUED FOR CONSTRUCTION	 breese pitt dixon pty. ltd. land surveyors civil engineers	1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310			
VER.	DATE	REMARKS	CHECKED	SCALE AS SHOWN	DATUM AHD	DATE OCT 16	SHEET 12 OF 16	MUNICIPALITY CASEY
								REFERENCE 8129 E/6




DESIGN DISCHARGE (l/s) 5yr	178	148	73	28	23	10
CAPACITY (ks=0.60) (l/s)	178	183	158	106	81	138
VELOCITY (Full) (m/s)	2.52	2.59	2.24	1.49	1.14	1.95
DIAMETER (1 IN.....)	300	300	300	300	300	300
GRADE (Datum R.L.25.00)	41	39	52	117.1	200	69

STORMWATER DRAINAGE LONGITUDINAL SECTIONS

SCALE Hor. 1:500  
Vert 1:50

▨ DENOTES CRUSHED ROCK BACKFILL

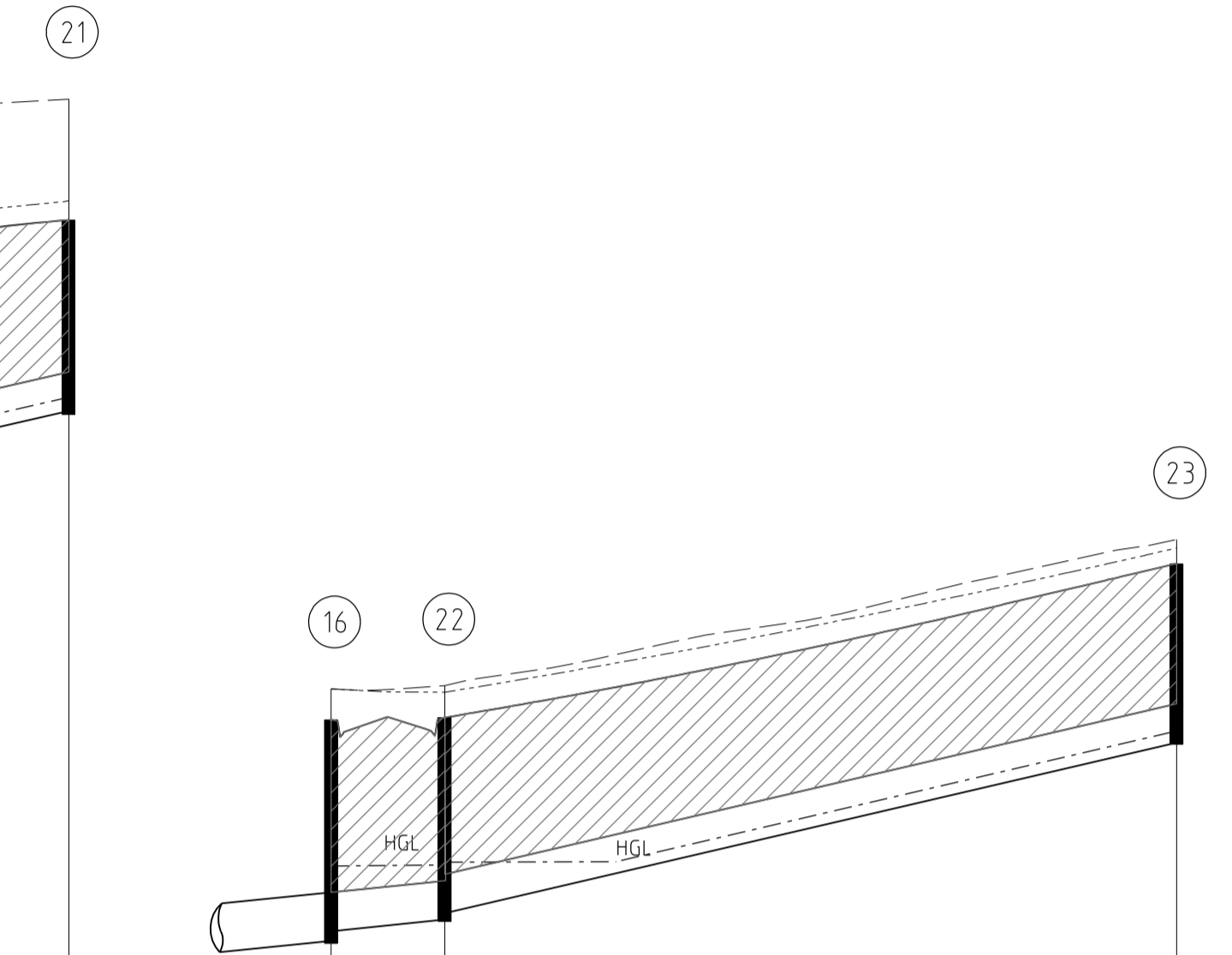
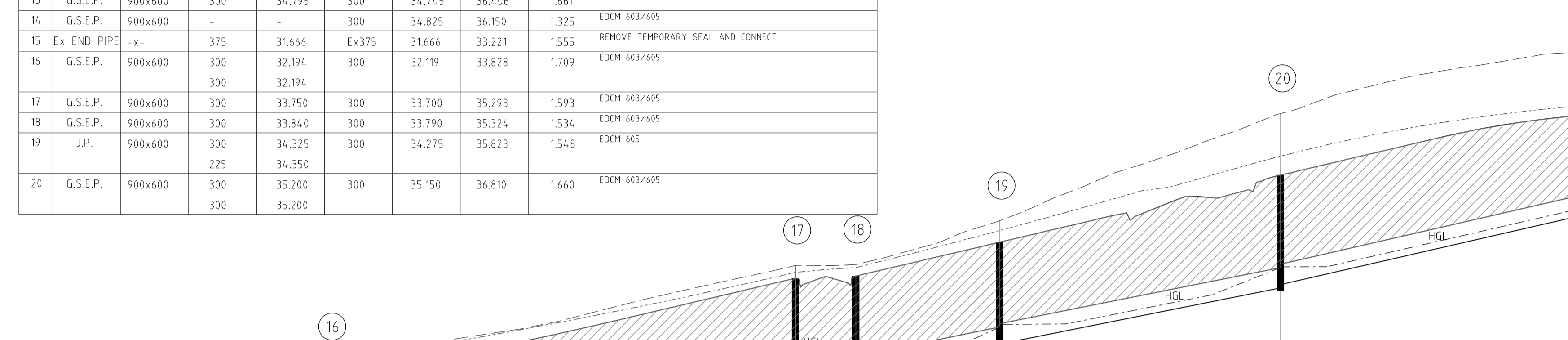
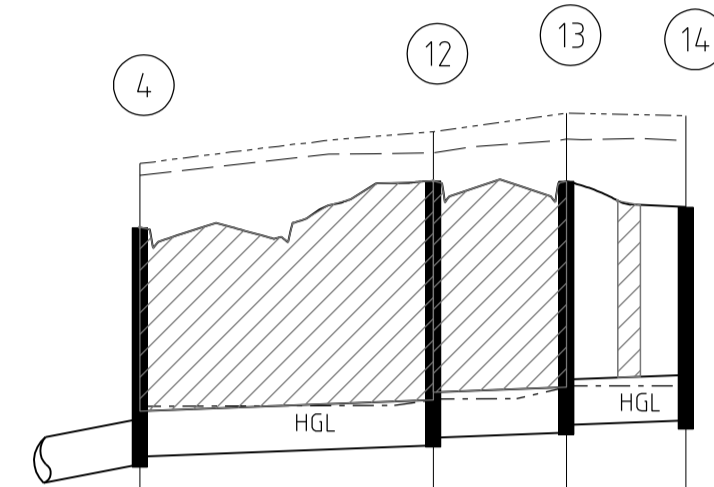
AMENDMENTS	A	2.06.2017	ISSUED FOR CONSTRUCTION	 <b>breese pitt dixon pty. ltd.</b> land surveyors civil engineers 1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	<b>MERIDIAN ESTATE</b> <b>STAGE 6</b>	MUNICIPALITY	CASEY
	VER.	DATE	REMARKS			REFERENCE	8129 E/6
	CHECKED	SCALE AS SHOWN	DATUM AHD			DATE OCT 16	SHEET 13 OF 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	Ex END PIPE	-x-	300	31.030	Ex300	31.030	32.540	1.510	REMOVE TEMPORARY SEAL AND CONNECT
2	J.P.	900x600	300	31.243	300	31.193	32.689	1.496	EDCM 605
3	G.S.E.P.	900x600	300	33.070	300	33.020	34.430	1.410	EDCM 603/605
4	J.P.	900x600	300	34.585	300	34.535	36.101	1.566	EDCM 605
5	G.S.E.P.	900x600	300	34.750	300	34.700	36.265	1.565	EDCM 603/605
6	G.S.E.P.	900x600	300	34.850	300	34.800	36.263	1.463	EDCM 603/605
7	J.P.	900x600	-	-	300	35.208	36.387	1.179	EDCM 605
8	J.P.	900x600	300	31.450	300	31.400	32.690	1.290	EDCM 605
9	J.P.	900x600	-	-	300	32.778	34.170	1.392	EDCM 605
10	G.S.E.P.	900x600	300	33.225	300	33.175	34.559	1.384	EDCM 603/605
11	J.P.	900x600	-	-	300	34.600	35.924	1.324	EDCM 605
12	G.S.E.P.	900x600	300	34.710	300	34.660	36.408	1.748	EDCM 603/605
13	G.S.E.P.	900x600	300	34.795	300	34.745	36.406	1.661	EDCM 603/605
14	G.S.E.P.	900x600	-	-	300	34.825	36.150	1.325	EDCM 603/605
15	Ex END PIPE	-x-	375	31.666	Ex375	31.666	33.221	1.555	REMOVE TEMPORARY SEAL AND CONNECT
16	G.S.E.P.	900x600	300	32.194	300	32.119	33.828	1.709	EDCM 603/605
17	G.S.E.P.	900x600	300	33.750	300	33.700	35.293	1.593	EDCM 603/605
18	G.S.E.P.	900x600	300	33.840	300	33.790	35.324	1.534	EDCM 603/605
19	J.P.	900x600	300	34.325	300	34.275	35.823	1.548	EDCM 605
20	G.S.E.P.	900x600	300	35.200	300	35.150	36.810	1.660	EDCM 603/605

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
21	J.P.	900x600	-	-	300	36.211	37.686	1.475	EDCM 605
22	G.S.E.P.	900x600	300	32.335	300	32.285	33.844	1.559	EDCM 603/605
23	J.P.	900x600	-	-	300	33.650	35.032	1.382	EDCM 605
24	J.P.	900x600	-	-	225	34.976	36.111	1.127	EDCM 605
25	G.S.E.P.	900x600	-	-	300	35.290	36.808	1.518	EDCM 603/605
26	Temp E.W.	-x-	225	36.275	-	36.275	36.700	0.425	TEMPORARY SANDBAG ENDWALL
27	J.P.	900x600	-	-	225	36.600	37.498	0.898	EDCM 605
28	Ex END PIPE	-x-	375	32.800	Ex375	32.800	34.195	1.395	REMOVE TEMPORARY SEAL AND CONNECT
29	J.P.	900x600	300	33.270	375	33.195	34.530	1.335	EDCM 605
30	J.P.	900x600	225	34.575	300	34.500	35.534	1.034	EDCM 605
31	J.P.	900x600	-	-	225	35.493	36.403	0.910	EDCM 605
32	Ex END PIPE	-x-	225	31.931	Ex225	31.931	32.958	1.027	REMOVE TEMPORARY SEAL AND CONNECT
33	J.P.	900x600	-	-	225	32.597	33.585	0.988	EDCM 605



DESIGN DISCHARGE (l/s) 5yr CAPACITY (ks=0.60) (l/s) VELOCITY (full) (m/s)	23	18	8
		71 1.00	71 1.00
DIAMETER GRADE (1 IN.....) Datum R.L..25.00	300 260	300 260	300 260

DEPTH TO INVERT	1.566 1.516		
HGL LEVEL	34.535 34.585	34.660 34.710 34.987	34.745 35.045 35.053
DESIGN INVERT LEVEL	34.535 34.585	34.710 34.795	34.745 34.795
FINISHED SURFACE LEVEL	36.101	36.408 36.406	36.150
EXISTING SURFACE LEVEL	36.45	36.59 36.69	36.65
CHAINAGE	0.00	19.42 8.80	7.90

DEPTH TO INVERT	1.555 1.555								
HGL LEVEL	31.666 32.333	32.119 32.563 32.698	32.276 32.698	32.700 32.750 32.810	33.000 33.250 33.350	34.000 34.250 34.350	34.575 34.613 34.613	35.450 35.460 35.460	36.211 36.511
DESIGN INVERT LEVEL	31.666	32.119 32.194	32.119 32.194	33.700 33.750	33.790 33.840	34.276 34.350	34.275 34.325	35.200 35.200	36.211
FINISHED SURFACE LEVEL	33.721	33.828	33.828	35.293	35.324	35.823	35.823	36.810	37.686
EXISTING SURFACE LEVEL	33.54	34.06	34.06	35.48	35.49	36.14	36.14	37.71	38.62
CHAINAGE	0.00	45.25	68.47	8.89	21.21	41.35	44.13	229.30	

DEPTH TO INVERT	1.709 1.634	
HGL LEVEL	32.194 32.698	32.705 32.726
DESIGN INVERT LEVEL	32.194	32.285
FINISHED SURFACE LEVEL	33.828	33.844
EXISTING SURFACE LEVEL	34.06	34.09
CHAINAGE	8.77	56.54
	37 114 162	25 174 247
	300 100	300 43
	Datum R.L..25.00	

STORMWATER DRAINAGE LONGITUDINAL SECTIONS

SCALE Hor: 1:500  
Vert: 1:50

/// DENOTES CRUSHED ROCK BACKFILL

AMENDMENTS	A	2.06.2017	ISSUED FOR CONSTRUCTION
VER	DATE	REMARKS	CHECKED

MELWAY REF.	131-C-12
SURVEY	B.P.D.
DESIGN	RK
DRAWN	RK

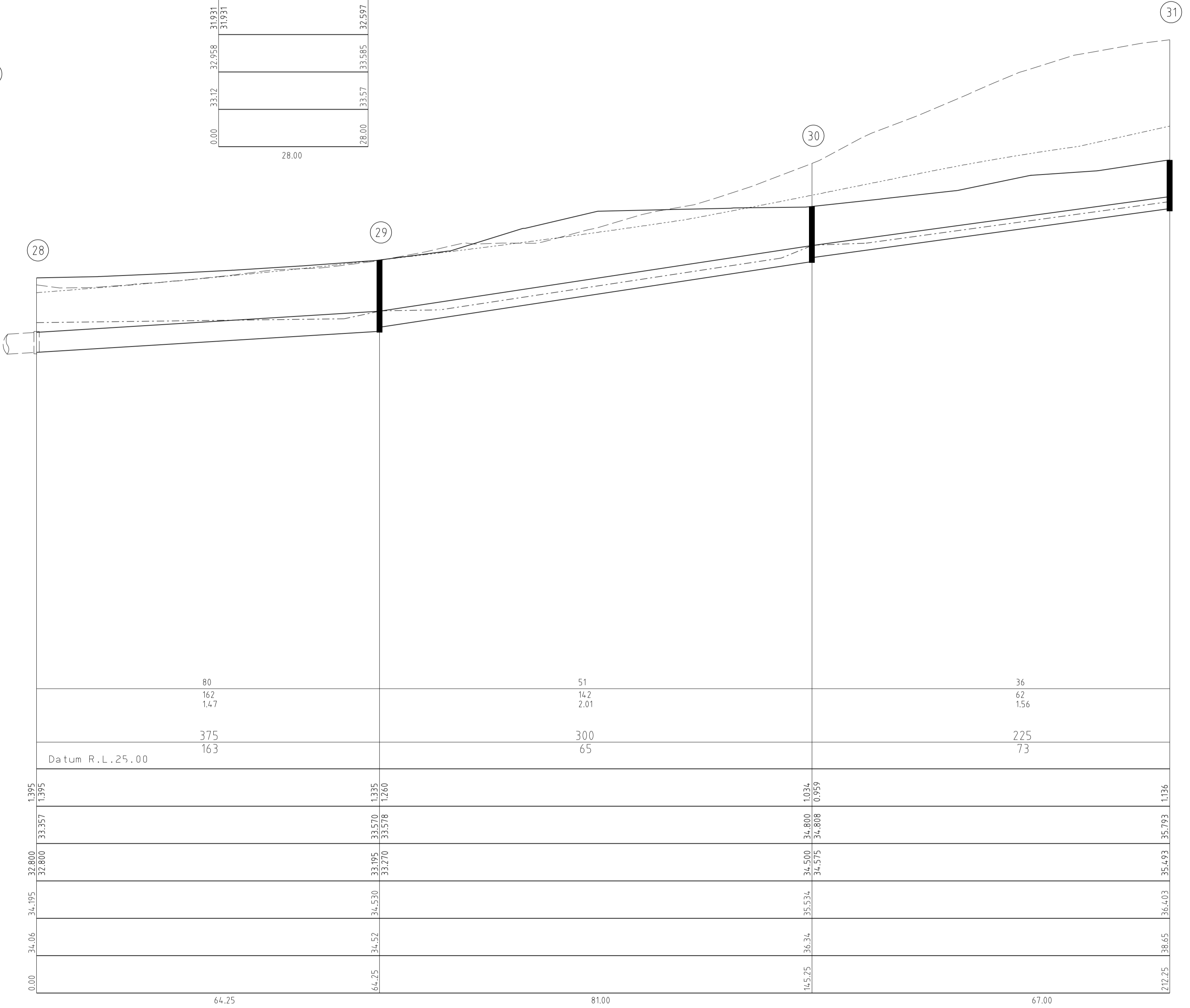
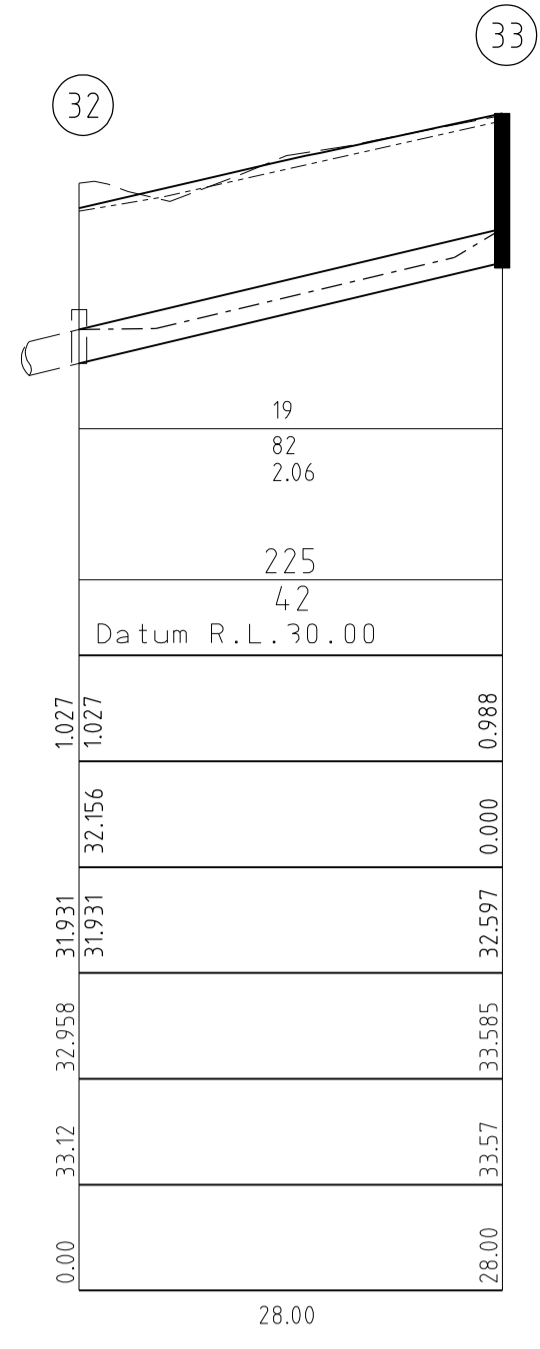
breese pitt dixon pty. ltd. land surveyors civil engineers		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310
MERIDIAN ESTATE STAGE 6		MUNICIPALITY CASEY
SCALE AS SHOWN DATUM AHD DATE OCT 16		REFERENCE 8129 E/6
SHEET 14 OF 16		A

DESIGN DISCHARGE (l/s) 5yr  
CAPACITY (ks=0.60) (l/s)  
VELOCITY (Full) (m/s)

DIAMETER  
GRADE (1 IN.....)  
Datum R.L. 25.00

	19	20	24	25	26	27
DESIGN DISCHARGE (l/s) 5yr	19	9				35
CAPACITY (ks=0.60) (l/s)	58	114				40
VELOCITY (Full) (m/s)	1.45	1.62				1.00
DIAMETER	225	300				225
GRADE (1 IN.....)	85	100				178
Datum R.L. 25.00		Datum R.L. 25.00				Datum R.L. 25.00
DEPTH TO INVERT	1.518 1.473	1.660 1.630				0.425 0.425
HGL LEVEL	34.275 34.613	35.450 35.440				36.275 36.500
DESIGN INVERT LEVEL	34.275 34.250	35.200 35.290				36.275 36.500
FINISHED SURFACE LEVEL	35.823	36.810				36.700
EXISTING SURFACE LEVEL	36.14	37.71				37.31
CHAINAGE	0.00	8.80				57.70

53.20 8.80 57.70



STORMWATER DRAINAGE LONGITUDINAL SECTIONS

SCALE Hor. 1:500  
Vert 1:50

DENOTES CRUSHED ROCK BACKFILL

AMENDMENTS	A	2.06.2017	ISSUED FOR CONSTRUCTION
VER.	DATE	REMARKS	CHECKED

MELWAY REF.	131-C-12
SURVEY	B.P.D.
DESIGN	RK
DRAWN	RK

**breese pitt dixon pty. ltd.**  
land surveyors civil engineers

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

**MERIDIAN ESTATE**  
STAGE 6

MUNICIPALITY  
CASEY

REFERENCE  
8129 E/6

SCALE AS SHOWN DATUM AHD DATE OCT 16 SHEET 15 OF 16

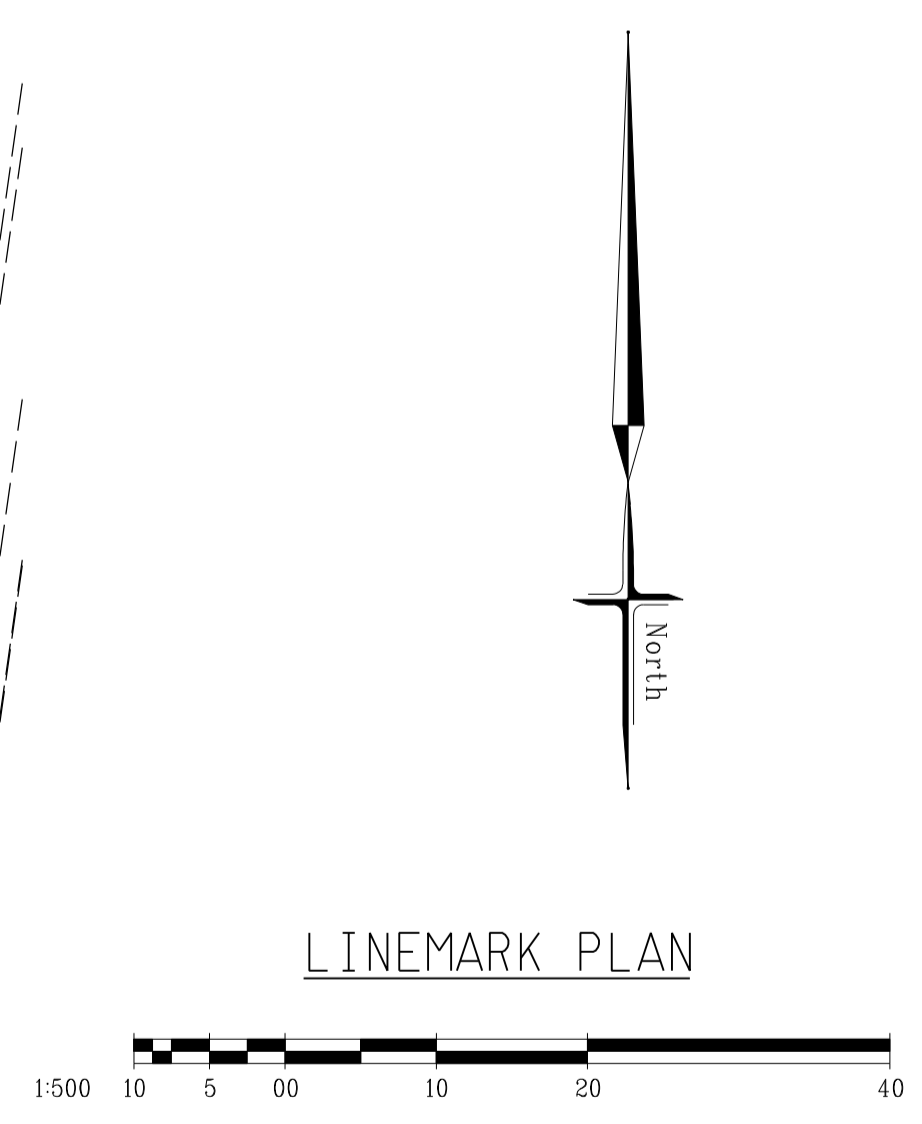
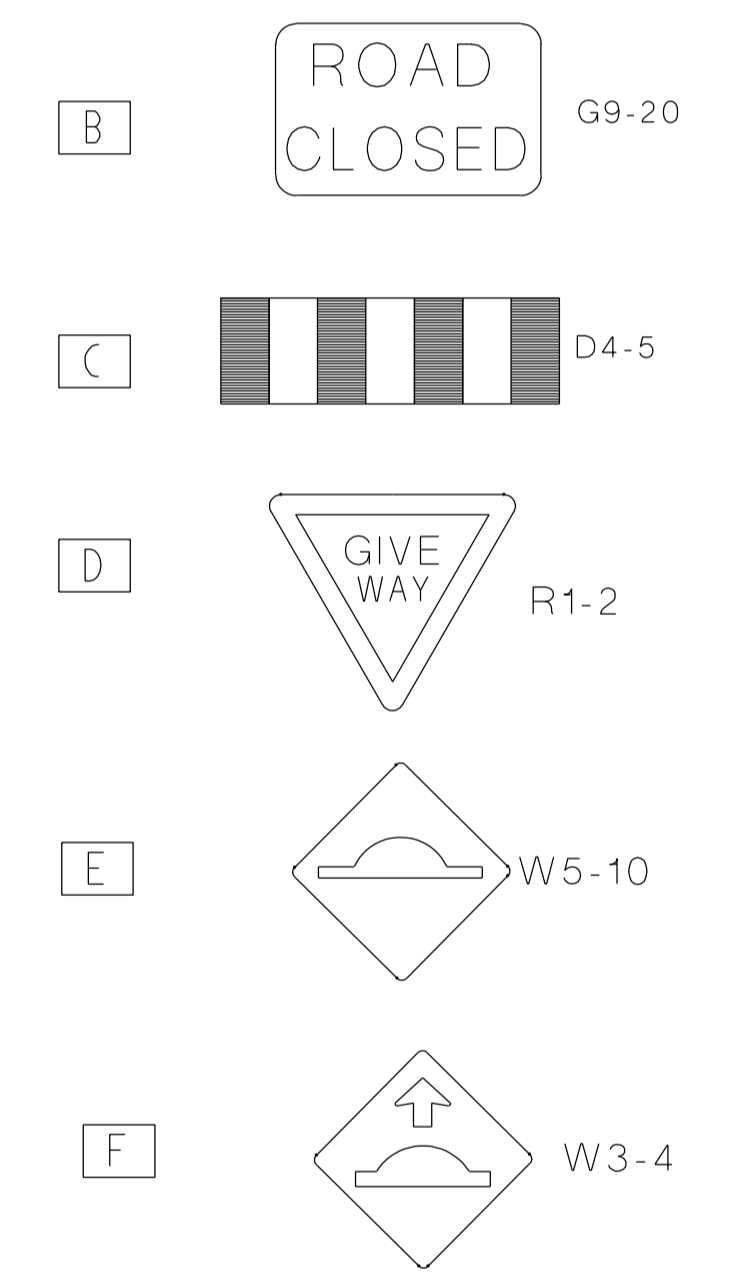
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- NOTES**
1. ALL SIGNS AND TRAFFIC CONTROL MEASURES, SHALL BE IN ACCORDANCE WITH AS1742.2. 1, 2 & 3
  2. LINE MARKING TO AS1742.2, SHALL BE SETOUT, INSPECTED AND APPROVED BEFORE FINAL LINEMARKING IS CARRIED OUT.
  3. ANY OBSOLETE LINEMARKING SHALL BE REMOVED BY AN APPROVED GRINDING OR STRIPPING METHOD. PRIOR TO NEW LINEMARKING BEING PLACED.
  4. 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)
  5. 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.
  6. 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.
  7. NO SITEWORKS SHALL COMMENCE UNTIL ALL TEMPORARY SIGNS ETC. ARE IN APPROVED LOCATIONS

**SIGN SCHEDULE**

SIGN	DESCRIPTION
A	STREET NAME SIGN
B	'ROAD CLOSED' (G9-20)
C	OBSTRUCTION MARKER (D4-5)
D	GIVE WAY (R1-2)
E	SPEED HUMP (W5-10)
F	SPEED HUMP WARNING (W3-4)



**LINEMARK PLAN**

AMENDMENTS	A	2.06.2017	ISSUED FOR CONSTRUCTION	<p>breese pitt dixon pty. ltd. land surveyors civil engineers</p>	<p>1/19 cato street howthorn east, 3123 telephone 8823 2300 fax no. 8823 2310</p>				
VER.	DATE	REMARKS	CHECKED	SCALE AS SHOWN	DATUM AHD	DATE OCT 16	SHEET 16 OF 16	MUNICIPALITY CASEY	REFERENCE 8129 E/6

MELWAY REF. 131-C-12  
SURVEY B.P.D.  
DESIGN RK  
DRAWN RK

**MERIDIAN ESTATE STAGE 6**

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