

NOTES

1. 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.
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.(IJJ). PIPES LAYED ON A CURVE TO BE RRJ.
5. R.C. PIPES TO BE CLASS 2 & P.V.C PIPES TO BE CLASS SH UNLESS OTHERWISE SPECIFIED.
6. WHERE DRAINAGE PIPES ARE LOCATED WITHIN NATURE STRIPS, THE TRENCH SHALL BE BACKFILLED WITH COMPACTED CLASS 3 F.C.R. UP TO A LEVEL WHERE THE 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 LODGED WITH THE SUPERINTENDENT PRIOR TO COMMENCEMENT OF WORKS.
9. PROPERTY INLETS ARE TO BE PLACED 1.0m FROM THE LOW CORNER OF LOT UNLESS OTHERWISE SHOWN. MINIMUM COVER TO BE 500mm. REFER GAA STD DWGS EDM703, EDM702, EDM703 & EDM704.
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 EDM701 & EDM703.
11. 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.
12. ALL PROPOSED DRAINAGE STUBS TO BE BLANKED OFF AT END OF PIPE WITH TIMBER PLANKS TO THE SATISFACTION OF THE SUPERVISING ENGINEER.
13. LOTS TO BE GRADED (1 in 150 MIN SLOPE) & LEFT CLEAN TO THE SATISFACTION OF THE ENGINEER. FINISHED LEVELS TO BE COMPATIBLE WITH LOTS ADJOINING THIS STAGE.
14. ON COMPLETION THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ALL RUBBISH AND SPOIL FROM SITE. NO SURPLUS TREES, VEGETATION OR OTHER MATERIAL IS TO BE BURNT ON SITE.
15. RESERVES TO BE FREE DRAINING AND TO BE LEFT IN A CONDITION SATISFACTORY TO THE CITY ENGINEER.
16. FILL AREAS IN ALL PROPERTIES AND ROAD RESERVES TO BE STRIPPED OF TOPSOIL & VEGETABLE MATTER, FILLED USING APPROVED CLAY FILL, AND TOPSOIL REPLACED TO OBTAIN FINAL FILL LEVELS AS SHOWN ON PLANS. ALL FILLING TO BE CARRIED OUT IN 150mm LAYERS AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS3798-2007, SECTION 8.2, LEVEL 1 ("GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS"). ON COMPLETION THE CONTRACTOR SHALL PRESENT A "LEVEL 1" TYPED REPORT, FROM A NATA REGISTERED SOIL TESTING LABORATORY, NOMINATING THE EXTENT OF FILL PLACED, ITS CONFORMANCE WITH THE SPECIFICATION AND ITS CLASSIFICATION AS "CONTROLLED FILL". IF ANY SUBSTANDARD FILLING IS ENCOUNTERED ON THE SITE IT MUST BE REMOVED AND REPLACED WITH APPROVED FILL MATERIAL PROPERLY COMPACTED TO COUNCIL REQUIREMENTS. A GEO-TECHNICAL REPORT MUST BE SUBMITTED SHOWING DETAILS OF DEPTH, TYPE OF MATERIAL AND DENSITY OF THE FILL AREAS CONCERNED.
17. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL IMPORTED FILL MATERIAL, INCLUDING TOPSOIL, SATISFIES THE DESCRIPTION FOR CLEAN FILL MATERIAL IN EPA BULLETIN PUBLICATION No. 448 (SEPT '95) AND SUBSEQUENT REVISIONS. THE CONTRACTOR SHALL PROVIDE VERIFICATION INCLUDING TEST CERTIFICATES TO THE SUPERVISING ENGINEER.
18. BATTERS TO BE 1 IN 6 FOR FILL AND 1 IN 6 FOR CUT UNLESS NOTED OTHERWISE.
19. CUT BATTERS ARE TO BE GRASSED AND MULCHED WITH A MIXTURE OF CHOPPED GRASS, STRAW AND BITUMEN EMULSION.
20. WHERE CUT BATTERS EXCEED 700mm AN ADDITIONAL 300mm BERM SHALL BE FORMED BEHIND FOOTPATH.
21. ACCESS RAMPS ARE TO BE CONSTRUCTED WHERE CUT BATTERS EXCEED 1.0m. THEY ARE TO BE GRADED 1 IN 10 FOR THE FIRST 2.5m FROM THE BACK OF PATH AND THEN AT A MAXIMUM OF 1 IN 4 TO NATURAL SURFACE.
22. ALL RESIDENTIAL FOOTPATHS SHALL BE 1.5m WIDE (MIN.) AND SHARED PEDESTRIAN/CYCLE PATHS SHALL BE 3.0m (MIN.). CONCRETE PATHS ARE TO BE 125mm THICK REINFORCED WITH SL72 PLACED CENTRALLY AND UNDERLAIN BY 50mm OF CLASS 3 CR. REFER GAA STD DWG EDM401.
23. PRAM CROSSINGS ARE TO BE CONSTRUCTED WHERE FOOTPATHS CONNECT TO THE BACK OF KERB & CHANNEL. REFER GAA STD DWG EDM403.
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 CONCRETER MARKS THE KERB AND FOOTPATH EXACTLY ABOVE THE CONDUIT.
27. TELSTRA/NBN 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 BOUNDARYS AND EASEMENTS UNLESS OTHERWISE SHOWN, AND CONSTRUCTED AS PER GAA STD DWGS EDM 501 & EDM 502
32. ALL ROADS TO BE CONSTRUCTED WITH KERB & CHANNEL AS SHOWN. REFER GAA STD DWGS EDM301 & EDM302 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 - ATRIUM STREET
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 - NEWGRANGE BOULEVARD

- 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 20mm NOMINAL SIZE CLASS 3 CRUSHED ROCK
- f) 150mm COMPACTED DEPTH SELECT GRANULAR MATERIAL WITH A MINIMUM SOAKED CBR OF 10%

DEPTH 540mm

PAVEMENT TO CONSIST OF: ACCESS STREET - SPIRE LANE, VERTEX LANE, COLONNADE STREET, RATHBERRY AVE

- a) 20mm COMPACTED DEPTH 7mm NOMINAL SIZE TYPE L 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) 135mm COMPACTED DEPTH 20mm NOMINAL SIZE CLASS 2 FINE CRUSHED ROCK
- e) 120mm COMPACTED DEPTH 40mm NOMINAL SIZE CLASS 3 FINE CRUSHED ROCK
- f) 150mm COMPACTED DEPTH SELECT GRANULAR MATERIAL WITH A MINIMUM SOAKED CBR OF 10%

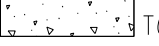
DEPTH 460mm

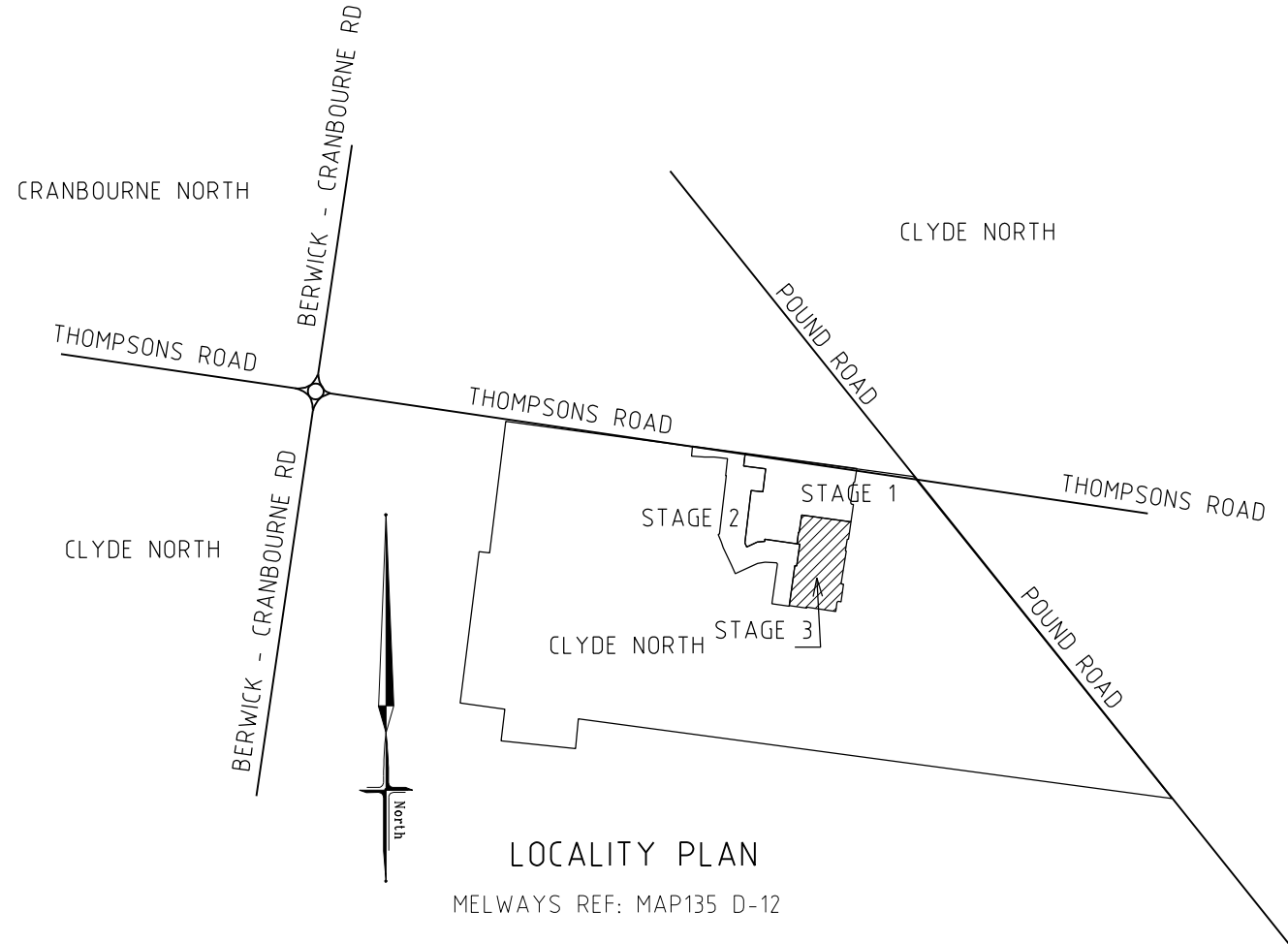
PAVEMENT NOT TO BE FOUNDED ON CLAYEY SILT OR UNCONTROLLED FILL MATERIAL SUBGRADE. PAVEMENT TO BE AS PER SPECIFICATIONS OF CARDNO GEOTECHNICAL INVESTIGATION 215255 REPORT 01.2, MARCH 2016

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

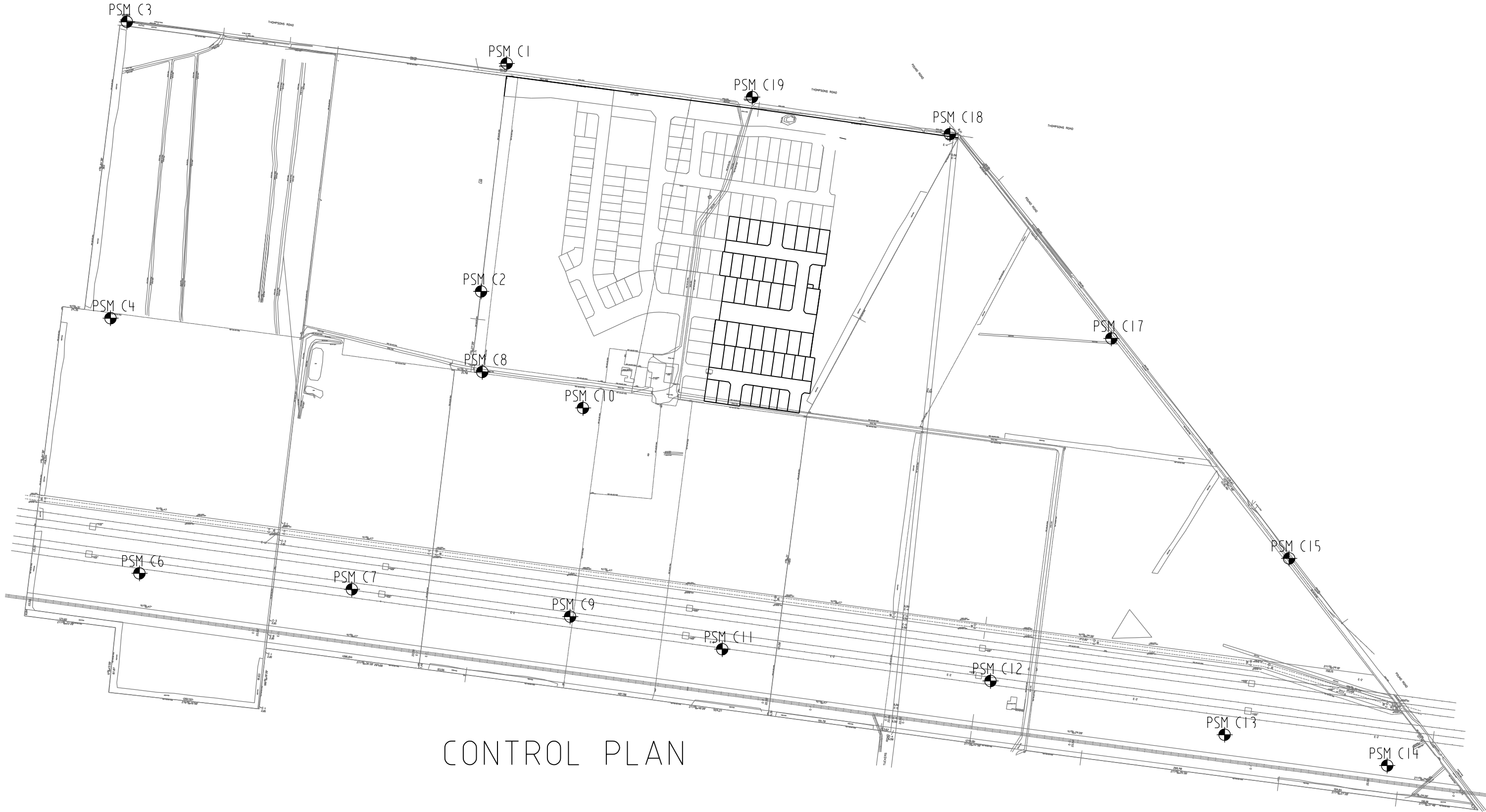
'SELECT GRANULAR MATERIAL' IS TO EXTEND TO A DISTANCE OF AT LEAST 1.0m BEHIND THE BACK OF KERB.

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

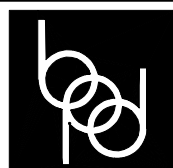
35. SPEED HUMP INFILLS SHOWN THUS  TO CONSIST OF:
a) 200mm THICK 32MPa CHARCOAL COLOURED CONCRETE IN GREY CEMENT WITH 6% BLACK OXIDE COLOUR TO BE ADDED TO AGGREGATE PRIOR TO POURING CONCRETE
SL72 MESH PLACED CENTRALLY.
b) 100mm THICK COMPACTED FOR BEDDING OR TO ROAD BASE COURSE
36. MODIFICATION OF THE 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 MM 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 EDM403.

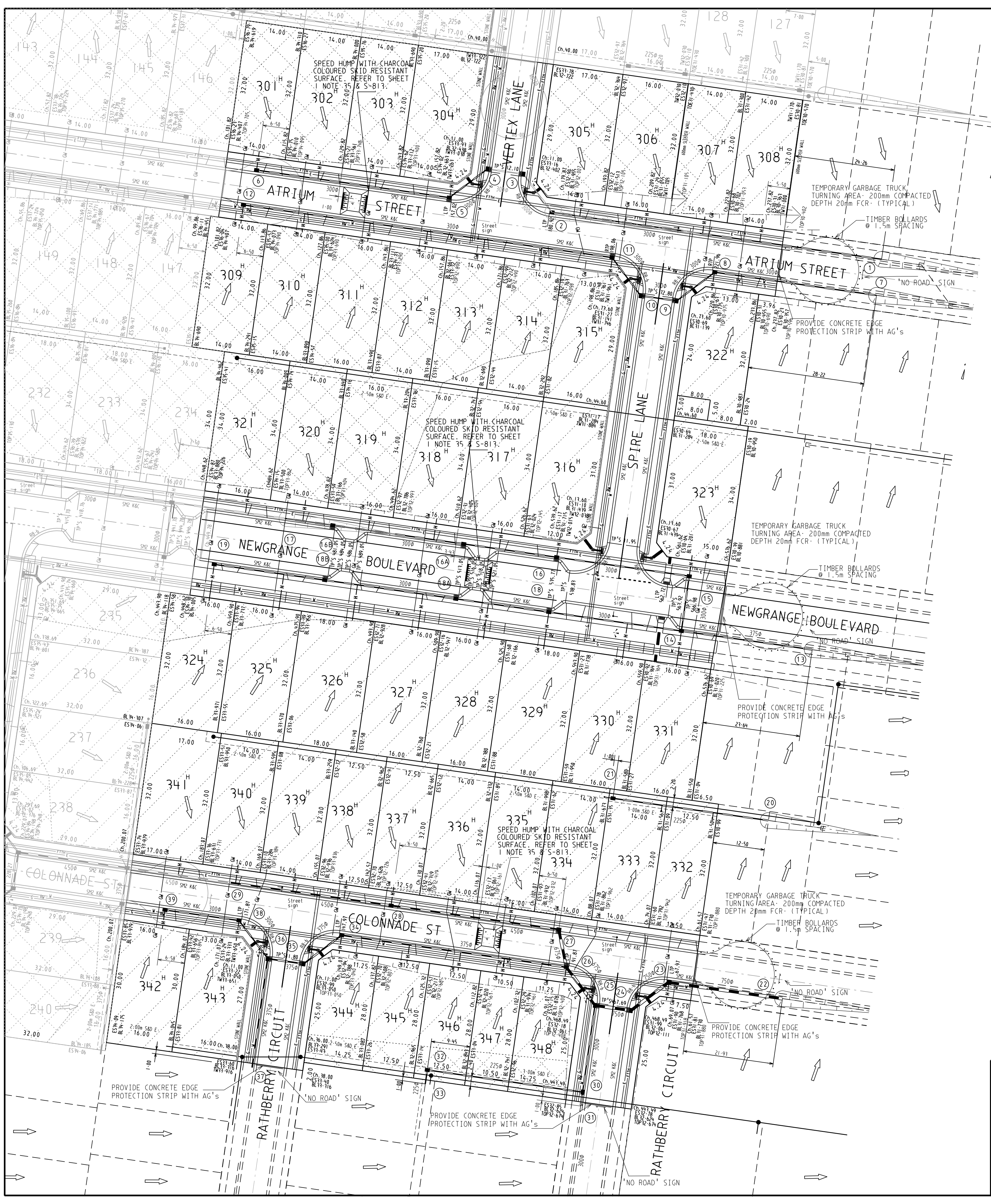


PSM No.	LOCAL GRID		R-L	DESCRIPTION
	NORTH	EAST		
C1	2000-000	1000-000	28-899	STAR PICKET
C2	1695-257	965-780	36-446	PEG
C3	2055-694	492-480	25-556	PIPE
C4	1659-550	470-607	26-964	PIPE
C6	1318-521	509-245	32-487	PIPE
C7	1297-165	793-017	32-267	PIPE
C8	1587-675	967-320	34-826	PIPE
C9	1260-619	1084-717	33-827	PIPE
C10	1539-465	1101-904	38-089	PIPE
C11	1217-031	1287-981	38-896	SPIKE
C12	1174-552	1646-441	46-068	SPIKE
C13	1102-750	1959-197	31-517	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



CONTROL PLAN

AMENDMENTS	A	19.05.2017	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						
				MELWAY REF.	131-C-12				MUNICIPALITY						
				SURVEY	B.P.D.				CASEY						
				DESIGN	RK				REFERENCE						
				DRAWN	RK				8129 E/3						
VER.	DATE	REMARKS		CHECKED	SCALE		AS SHOWN	DATUM	AHD	DATE	OCT. 16	SHEET	1	OF 20	A

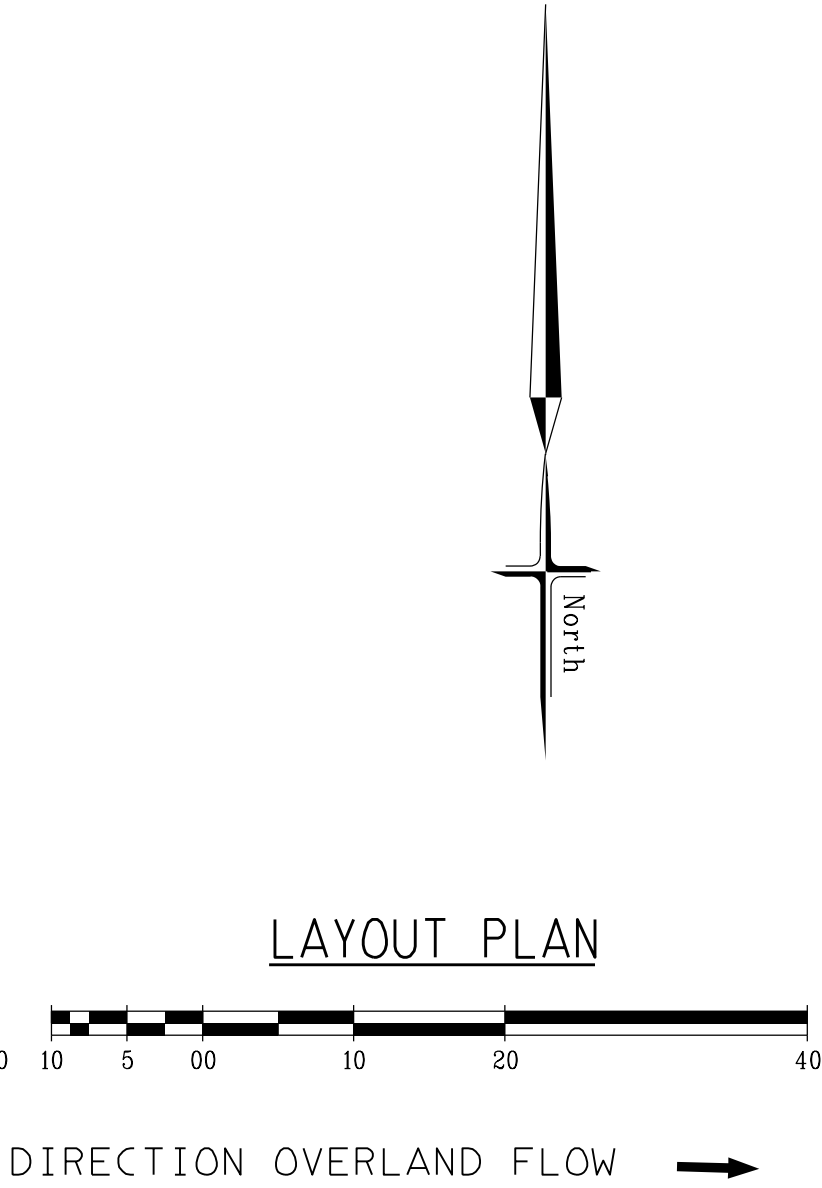


SERVICES OFFSETS AND LOCATIONS

STREET NAME	Rd.RESERVE	WATER		GAS	ELECTRICITY		FIBRE TO THE HOME		Bk. of KERB	JOINT TRENCHING
		DW	NDW		CABLES	POLES	CABLES	PITS		
VERTEX LANE	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
ATRIUM STREET	16-00	3-05 S	2-55 S	2-10 S	2-55 N	0-90 BOK	1-95 N	1-78 NE	3-90 E	E.T/G.W
SPIRE LANE	16-00	3-05 W	2-55 W	2-10 W	2-55 E	0-90 BOK	1-95 E	1-78 NE	3-90 N	E.T/G.W
NEWGRANGE BOULEVARD	25-50	3-20 S	2-70 S	2-25 S	2-55 N	0-90 BOK	1-95 N	1-78 S	4-20 W	E.T/G.W
COLONNADE STREET	16-00	3-05 S	2-55 S	2-10 S	2-55 N	0-90 BOK	1-95 N	1-78 S	3-90 E	E.T/G.W
RATHBERRY CIRCUIT	16-00	3-05 W	2-55 W	2-10 W	2-55 E	0-90 BOK	1-95 E	1-78 NE	3-90 E	E.T/G.W

SHEET INDEX

SHT No	VER	DESCRIPTION
1	A	FACE SHEET, GENERAL NOTES, CONTROL PLAN
2	C	LAYOUT PLAN
3	A	TYPICAL CROSS SECTIONS - RETAINING WALL DETAILS
4	A	INTERSECTION DETAILS
5	A	INTERSECTION DETAILS
6	A	NEWGRANGE BOULEVARD LONGITUDINAL SECTION
7	A	NEWGRANGE BOULEVARD CROSS SECTIONS
8	A	ATRIUM STREET LONGITUDINAL AND CROSS SECTIONS
9	A	ATRIUM STREET CROSS SECTIONS
10	A	VERTEX LANE LONGITUDINAL AND CROSS SECTIONS
11	A	SPIRE LANE LONGITUDINAL AND CROSS SECTIONS
12	A	COLONNADE STREET LONGITUDINAL AND CROSS SECTIONS
13	A	COLONNADE STREET CROSS SECTIONS
14	A	RATHBERRY CIRCUIT LONGITUDINAL AND CROSS SECTIONS
15	A	RATHBERRY CIRCUIT CROSS SECTIONS
16	A	STORMWATER DRAINAGE LONGITUDINAL SECTIONS
17	A	STORMWATER DRAINAGE LONGITUDINAL SECTIONS
18	A	STORMWATER DRAINAGE LONGITUDINAL SECTIONS
19	A	STORMWATER DRAINAGE LONGITUDINAL SECTIONS, PIT SCHEDULE
20	B	SIGNAGE AND LITEMARKING PLAN



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

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

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	

breese pitt dixon pty. ltd.
land surveyors civil engineers

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

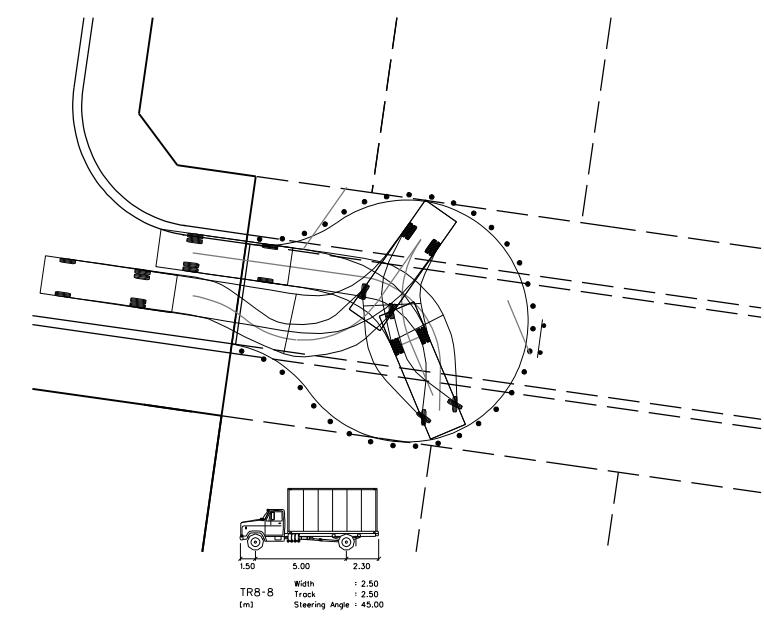
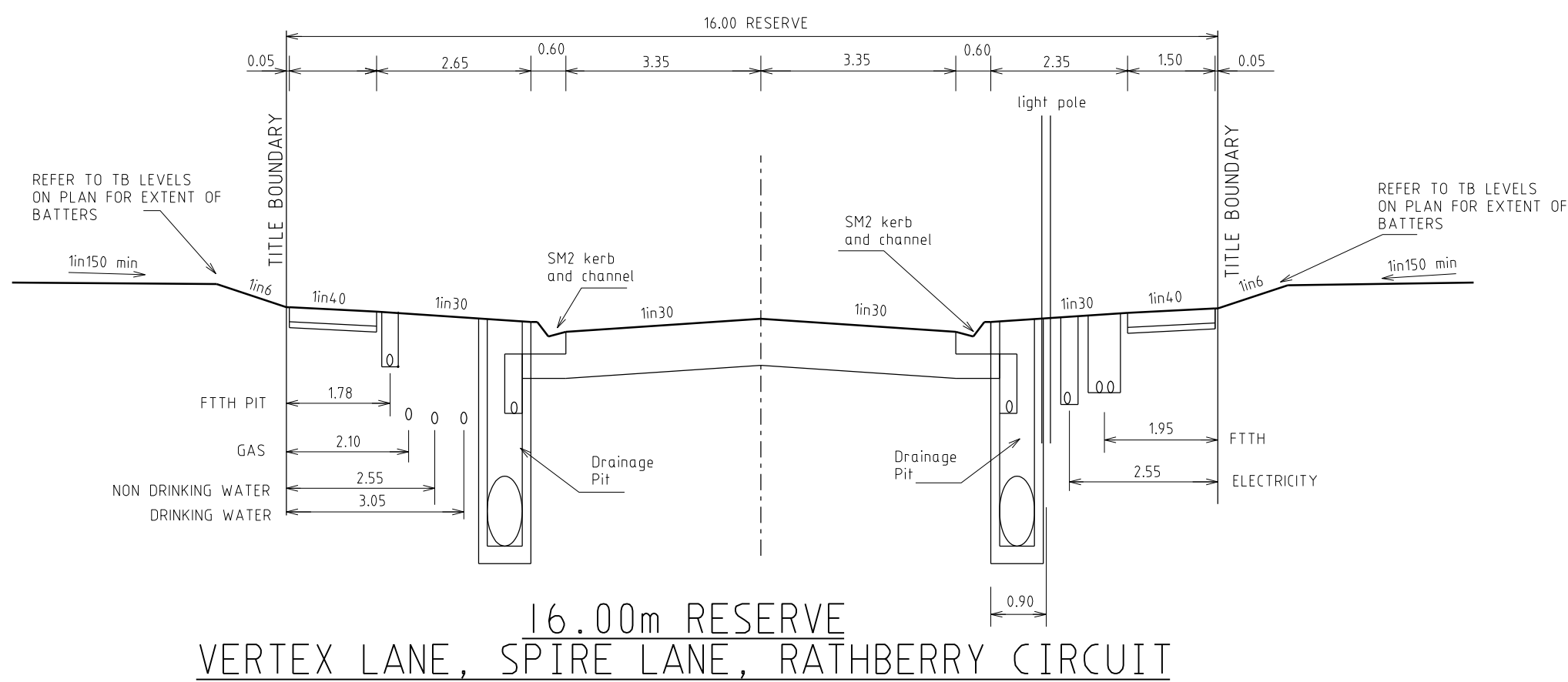
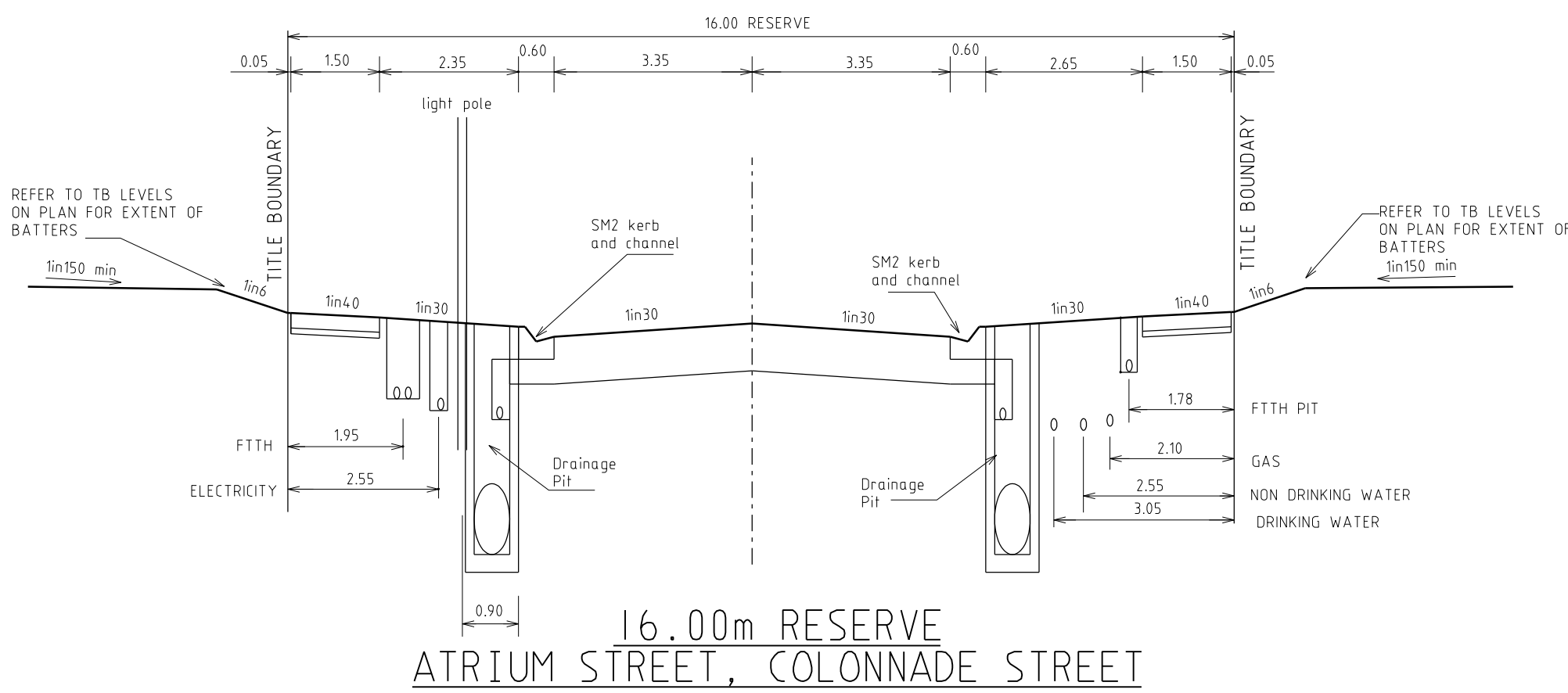
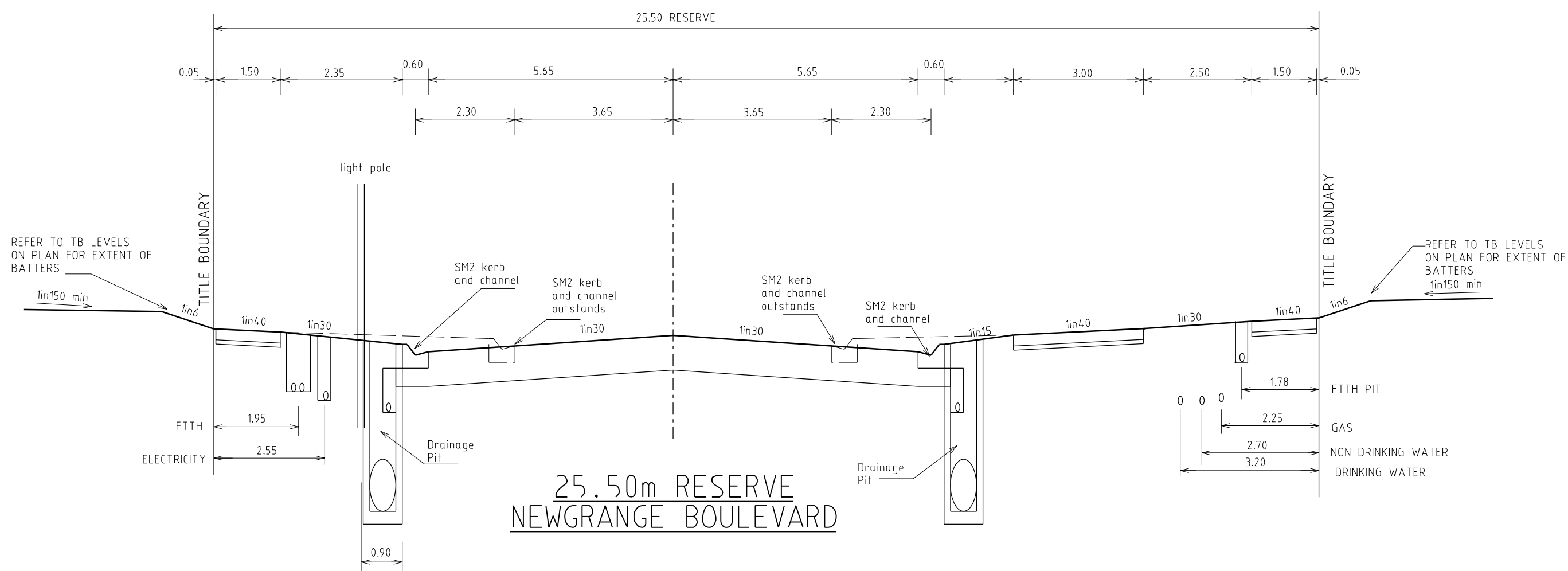
MERIDIAN ESTATE
STAGE 3

MUNICIPALITY
CASEY
REFERENCE
8129 E/3

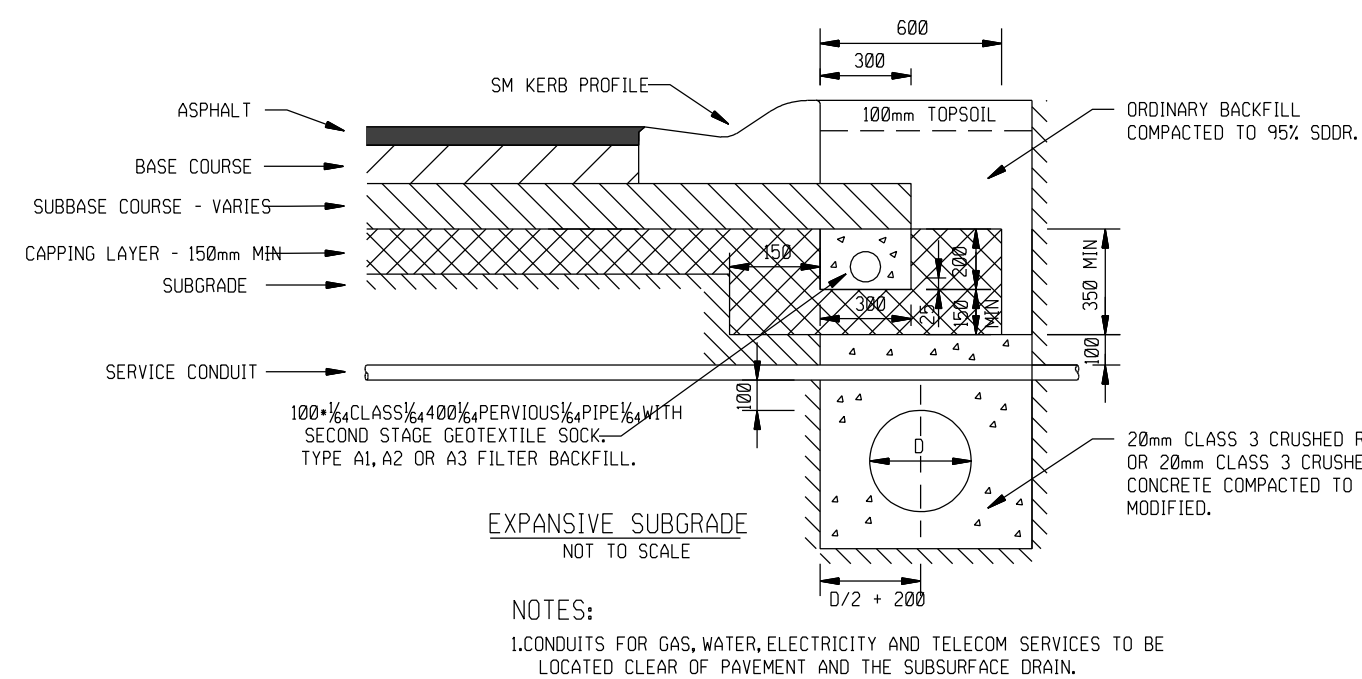
AMENDMENTS	A	19.05.2017	ISSUED FOR CONSTRUCTION
	B	19.05.2017	SLOW POINT ADDED IN NEWGRANGE
VER	DATE	REMARKS	

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

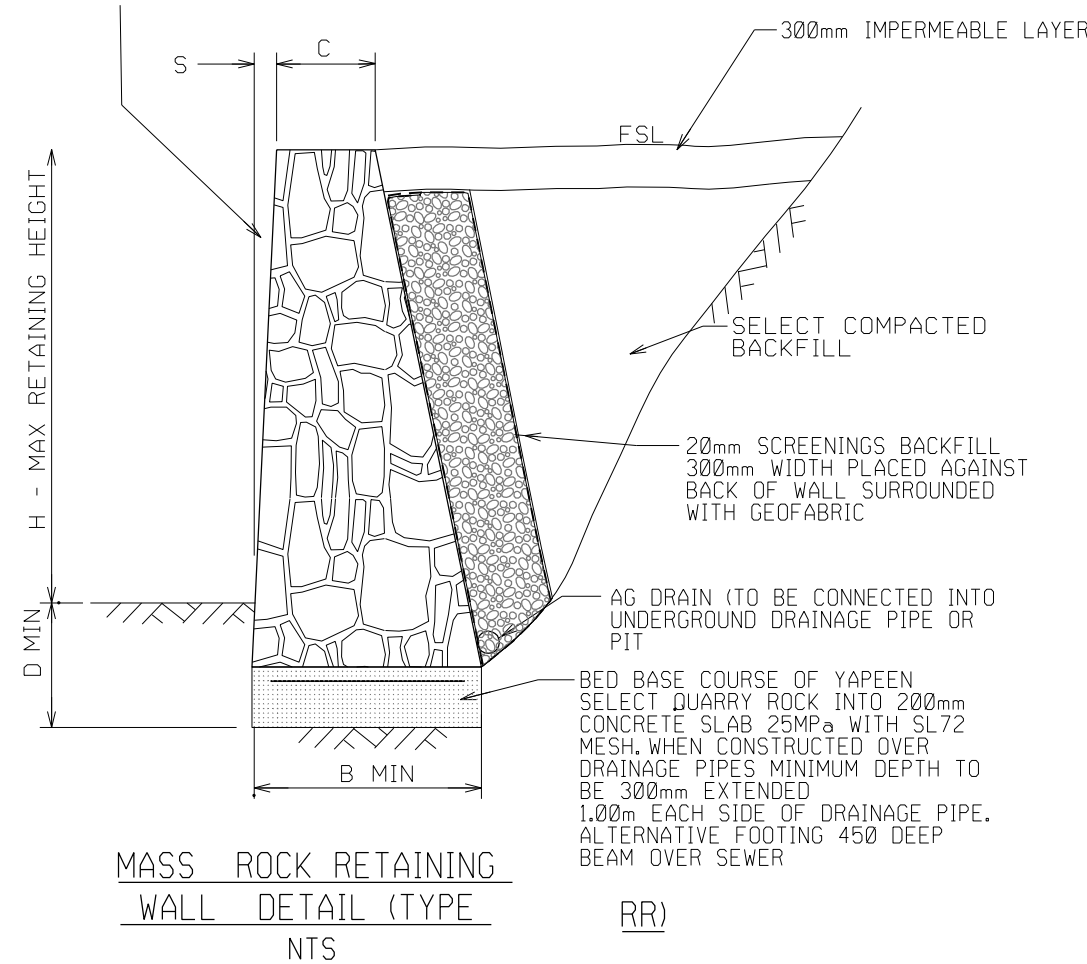
SCALE	AS SHOWN	DATUM	AHD	DATE	OCT. 16	SHEET	2 OF 20
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8.8 SERVICE VEHICLE
TURNING CIRCLE



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 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

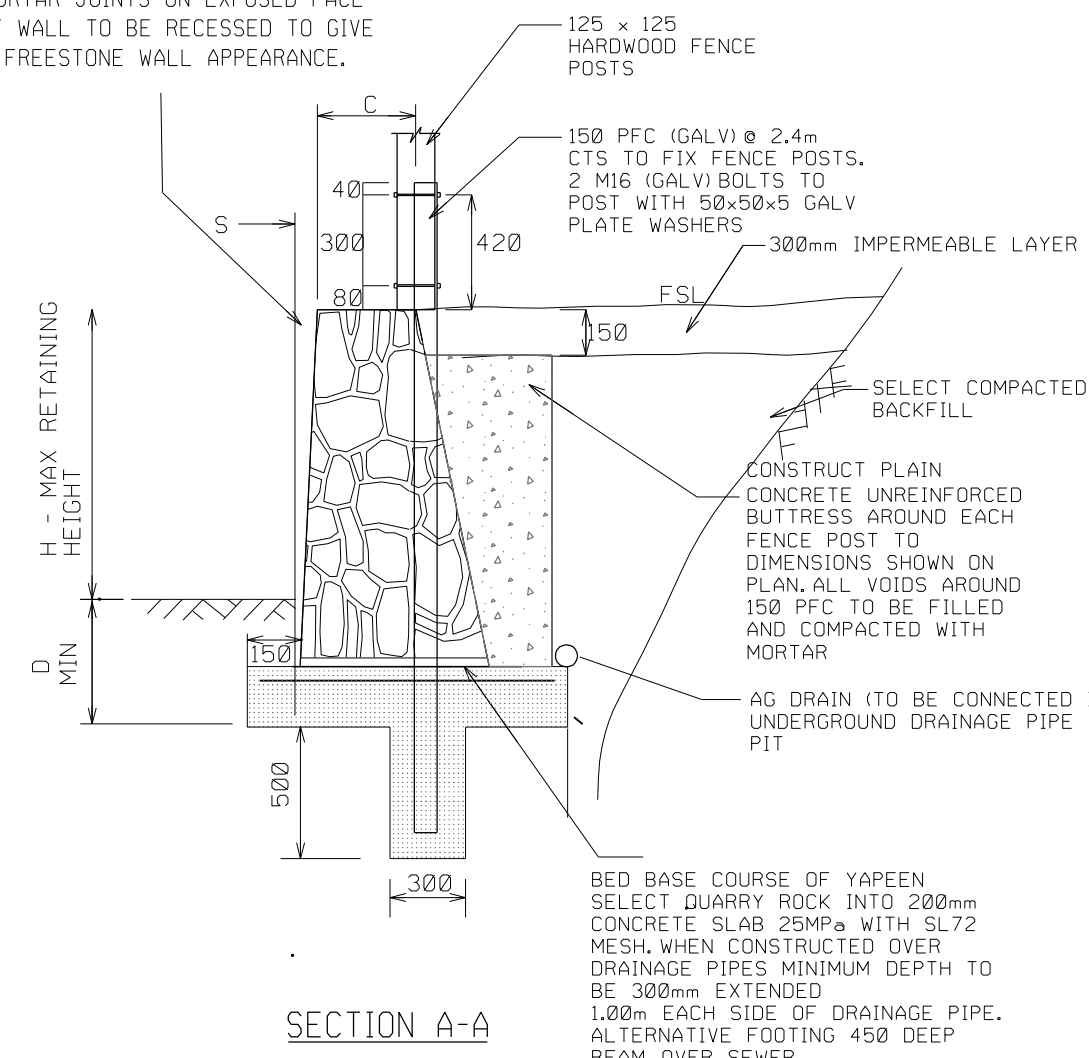
RETAINING WALL NOTE R.1.

a. WHERE FOOTPATH ABUTS RETAINING WALL CONTINUE CONCRETE UP TO BASE OF RETAINING WALL.

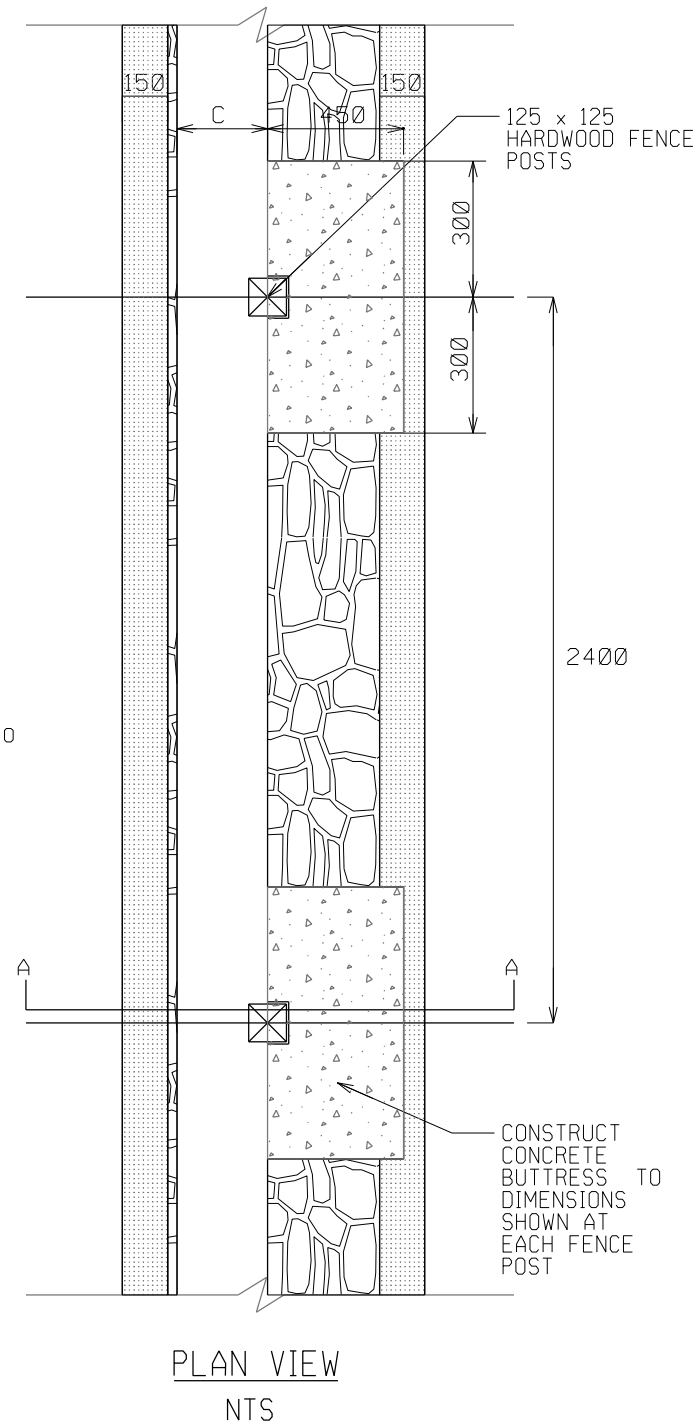
FOOTING NOTE F.2.

- 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 FOUNDING 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 FOUNDING 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.

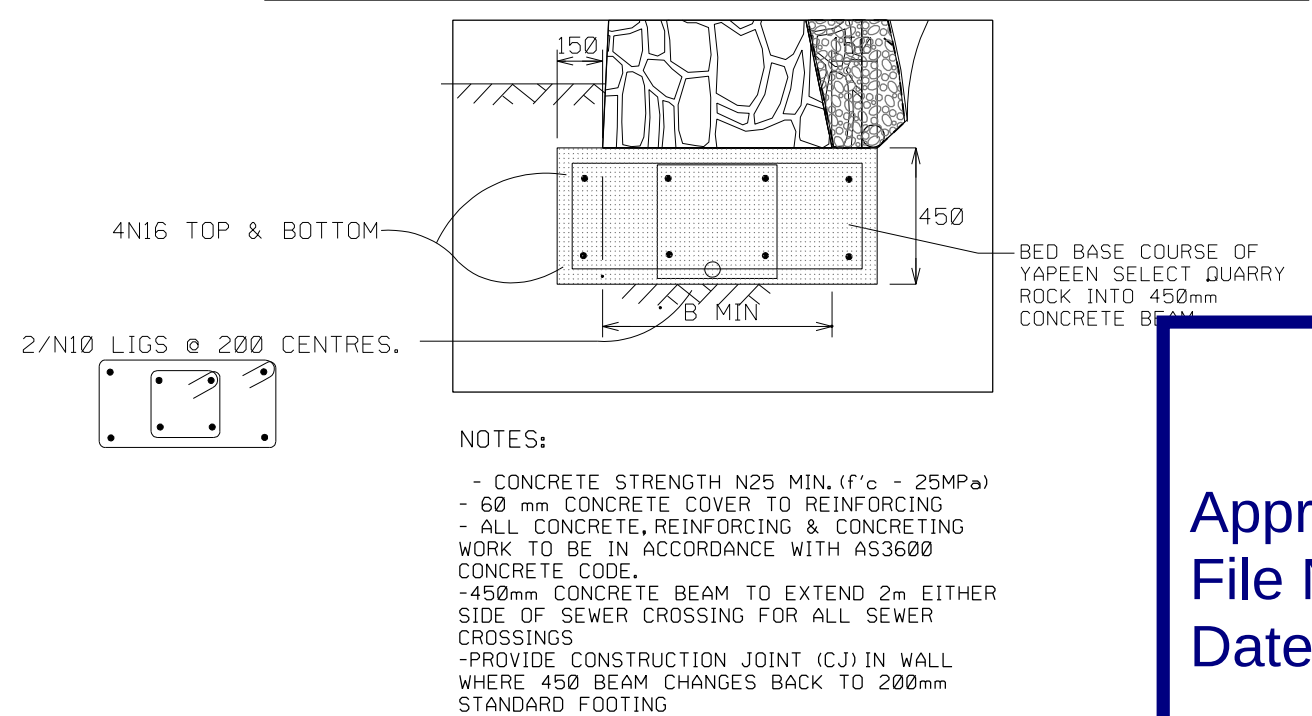
SELECTED PYRENEES QUARRIES
YAPEEN SELECT QUARRY ROCK SET IN MORTAR
MIX 1 CEMENT : 6 SAND ALL VOIDS FILLED
ROCK SIZE NOMINALLY 300 - 900
MORTAR JOINTS ON EXPOSED FACE
OF WALL TO BE RECESSED TO GIVE
A FREESTONE WALL APPEARANCE.



SECTION A-A
MASS ROCK RETAINING WALL
DETAIL WITH PALING TIMBER
FENCE (TYPE RR)
NTS



RETAINING WALL FOOTING REQUIREMENTS FOR SEWER CROSSINGS



City of Casey

Approved By: Khurshedul Alam
File No: 103270.SC-03 & SEng00158/16
Date: 19/05/2017

DRAWING NO: R4932

CONCRETE SLEEPER RETAINING WALL DETAIL

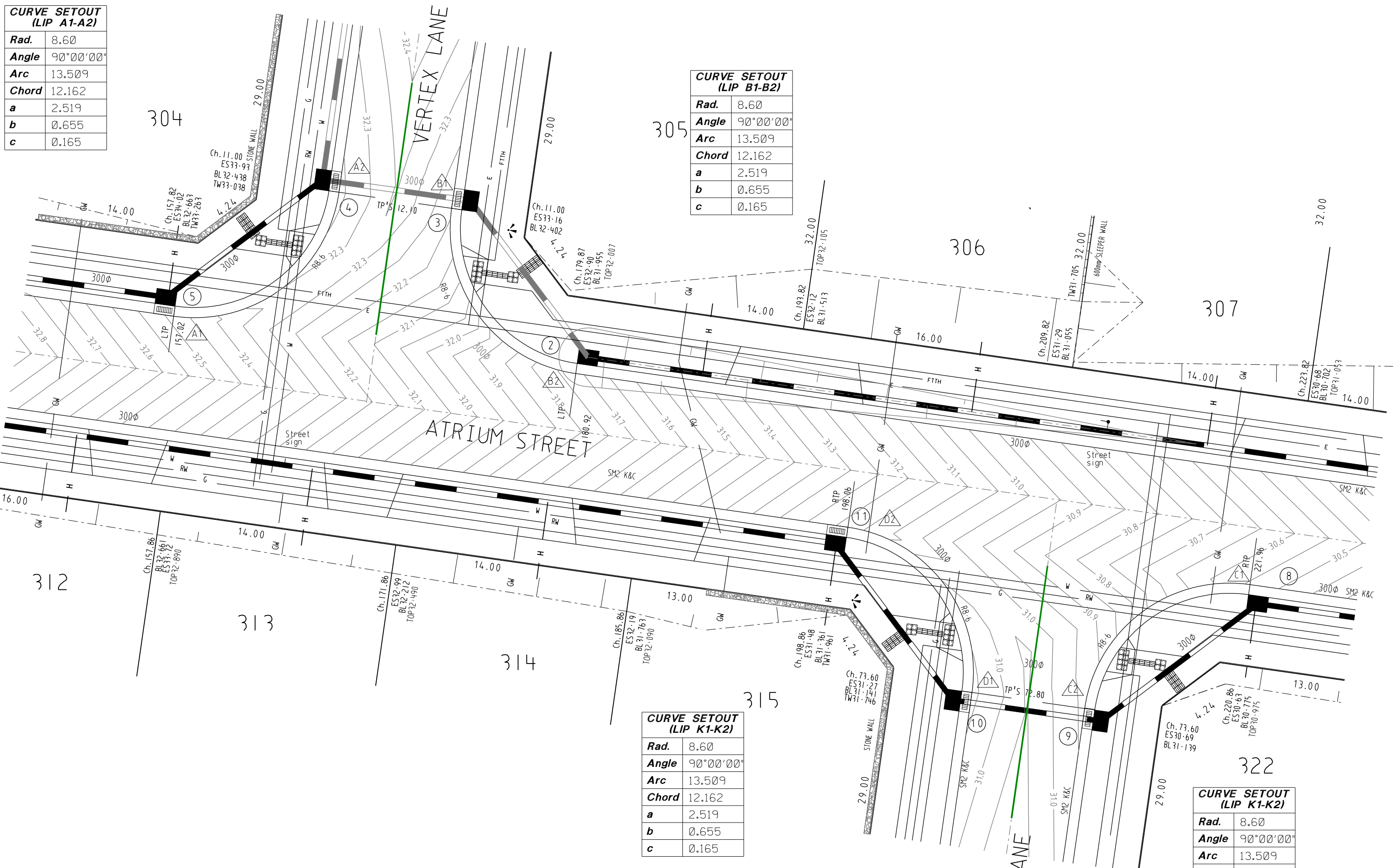
RETAINING WALL SCHEDULE

HEIGHT - H (mm)	DEPTH - D (mm)	SOLDERS SIZE
600	900	100 UC 16.8
800	1200	100 UC 16.8
1000	1500	100 UC 16.8

* Dmin to be the greater of that shown above or 100mm below adjacent sewer/drainage

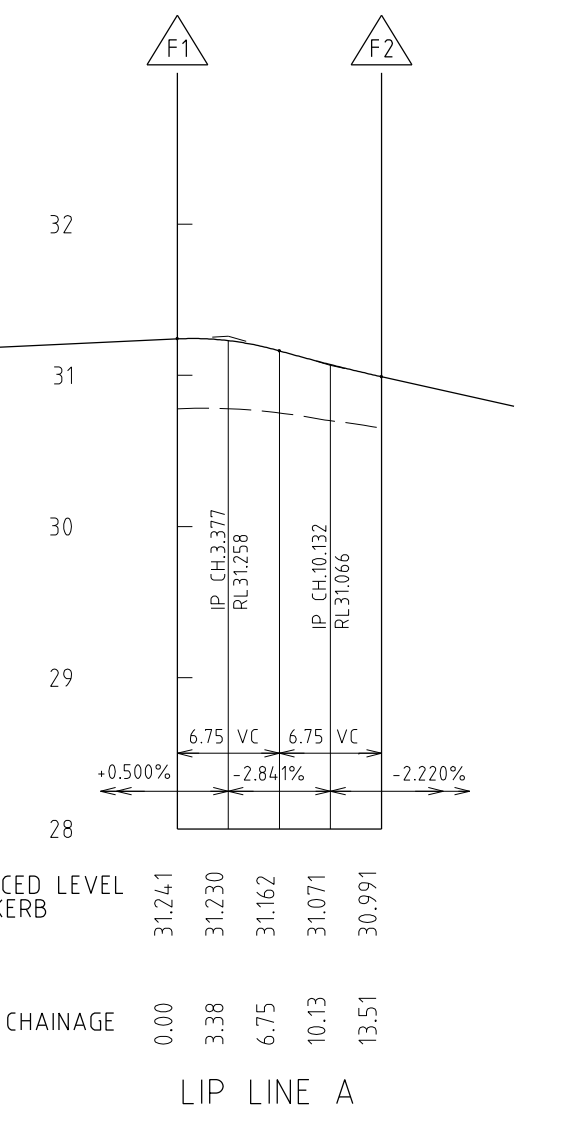
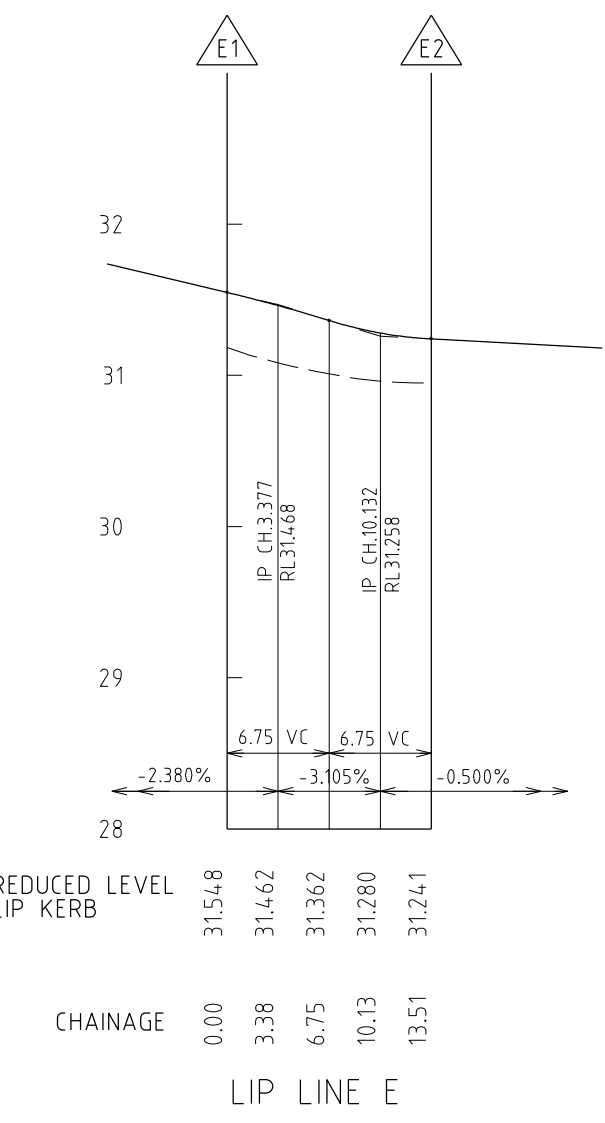
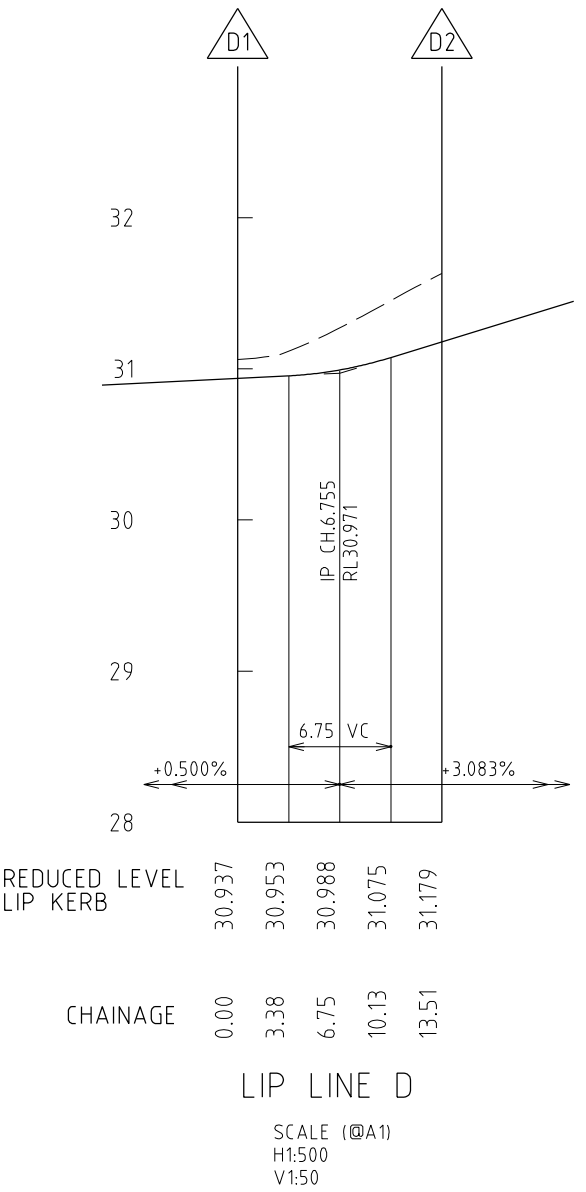
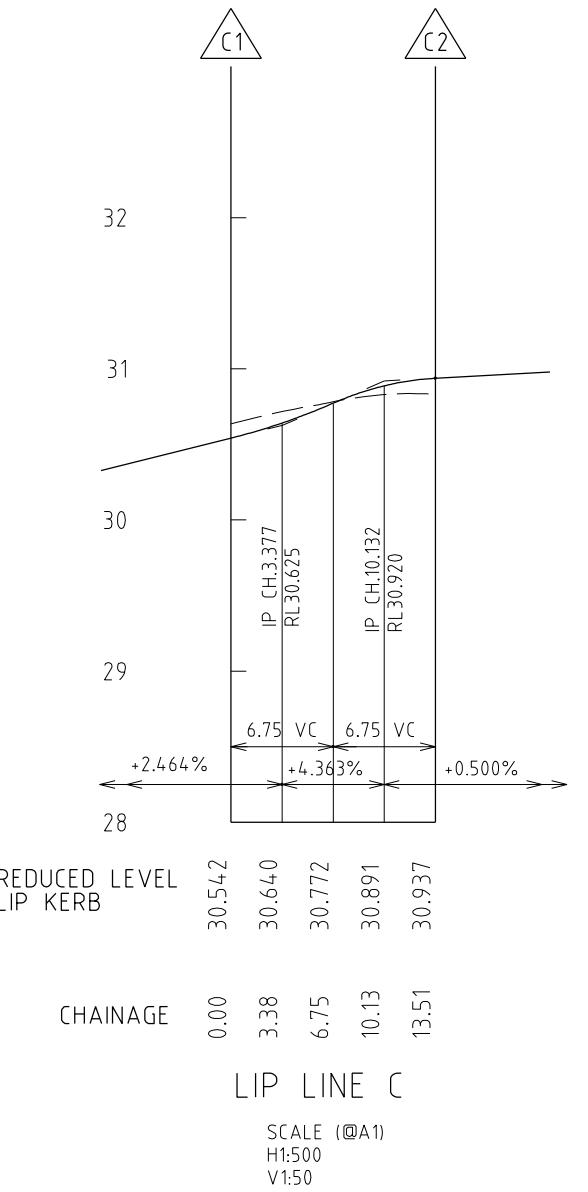
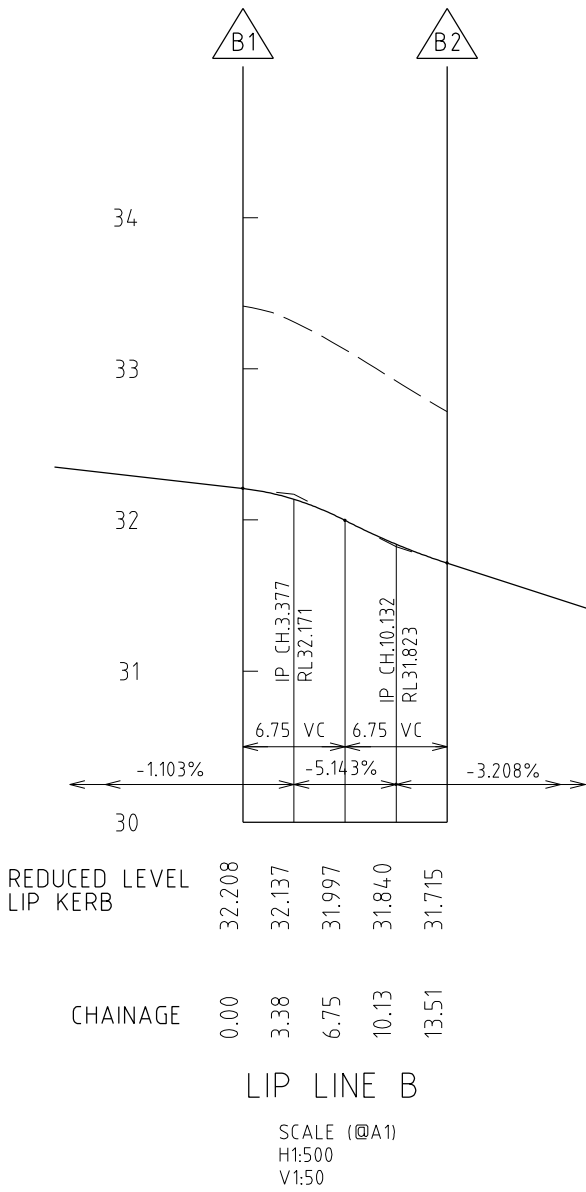
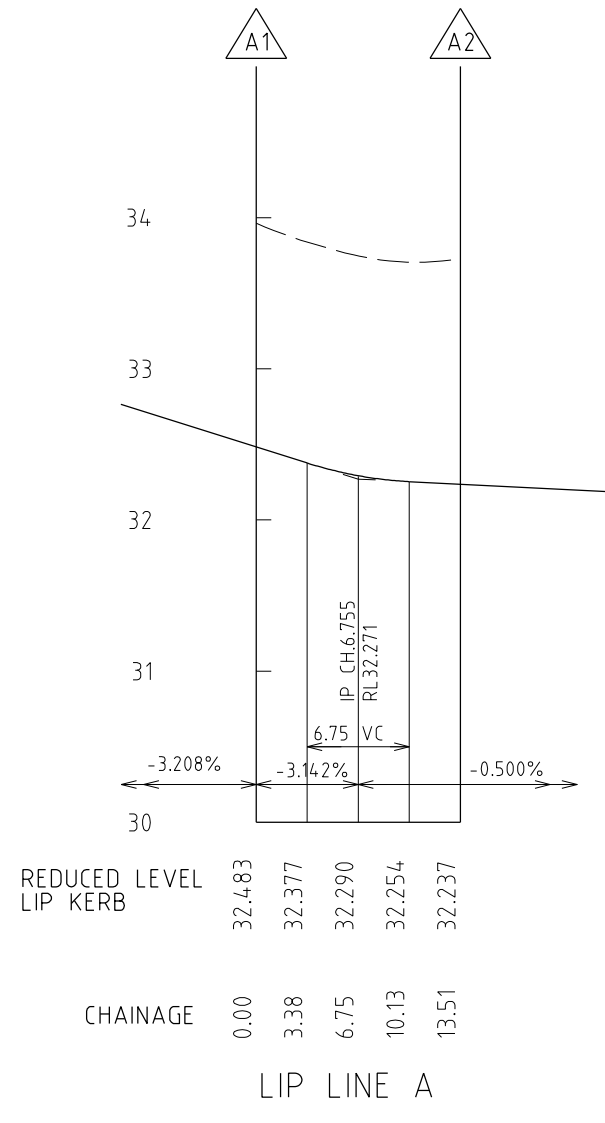
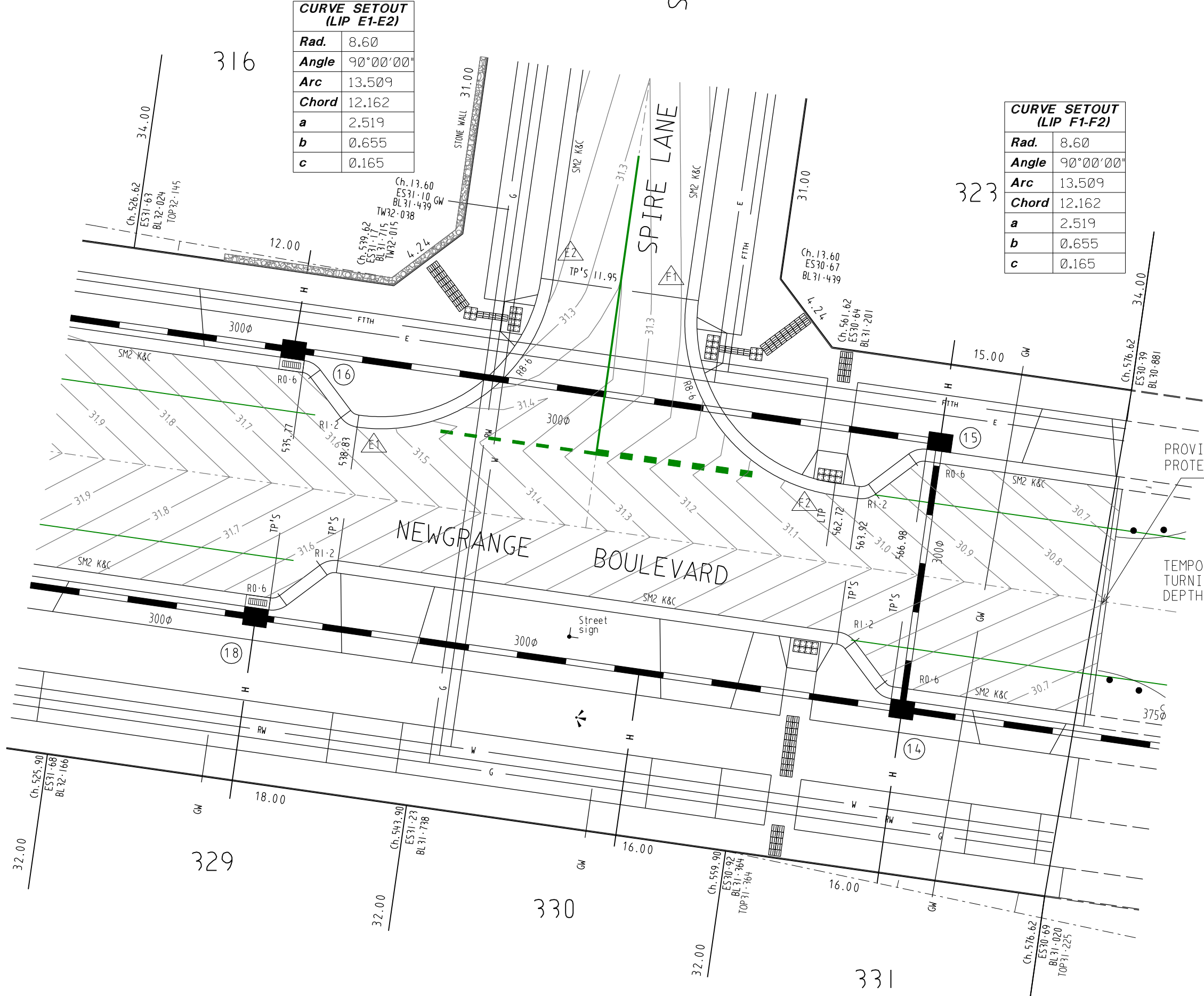
AMENDMENTS		ISSUED FOR CONSTRUCTION		breese pitt dixon pty. ltd. land surveyors civil engineers		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
MELWAY REF.	131-C-12	SURVEY	B.P.D.	MERIDIAN ESTATE STAGE 3		MUNICIPALITY CASEY	
DESIGN	RK	DRAWN		REFERENCE 8129 E/3		SHEET 3 OF 20	
CHECKED		SCALE		AS SHOWN		DATE	
VER.	DATE	REMARKS		AHD		OCT. 16	

CURVE SETOUT (LIP A1-A2)	
Rad.	8.60
Angle	90°00'00"
Arc	13.509
Chord	12.162
a	2.519
b	0.655
c	0.165



CURVE SETOUT (LIP E1-E2)	
Rad.	8.60
Angle	90°00'00"
Arc	13.509
Chord	12.162
a	2.519
b	0.655
c	0.165

CURVE SETOUT (LIP F1-F2)	
Rad.	8.60
Angle	90°00'00"
Arc	13.509
Chord	12.162
a	2.519
b	0.655
c	0.165



City of Casey

Approved By: Khurshedul Alam
File No: 103270.SC-03 & SEng00158/16
Date: 19/05/2017

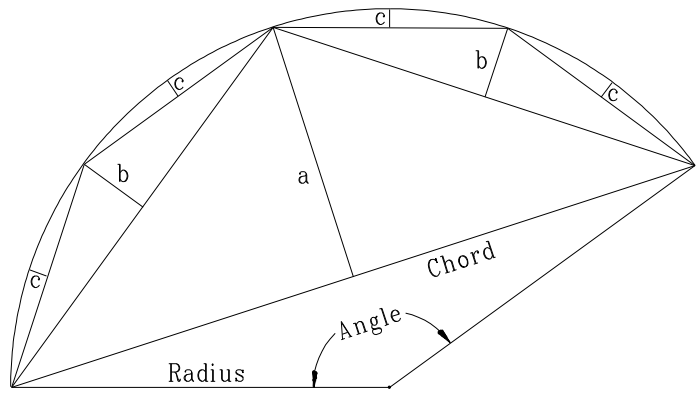
DRAWING NO: R4932

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

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

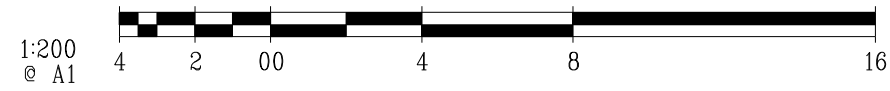
WARNING

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



CURVE SETOUT DIAGRAM

INTERSECTION DETAILS



SYMBOL LEGEND

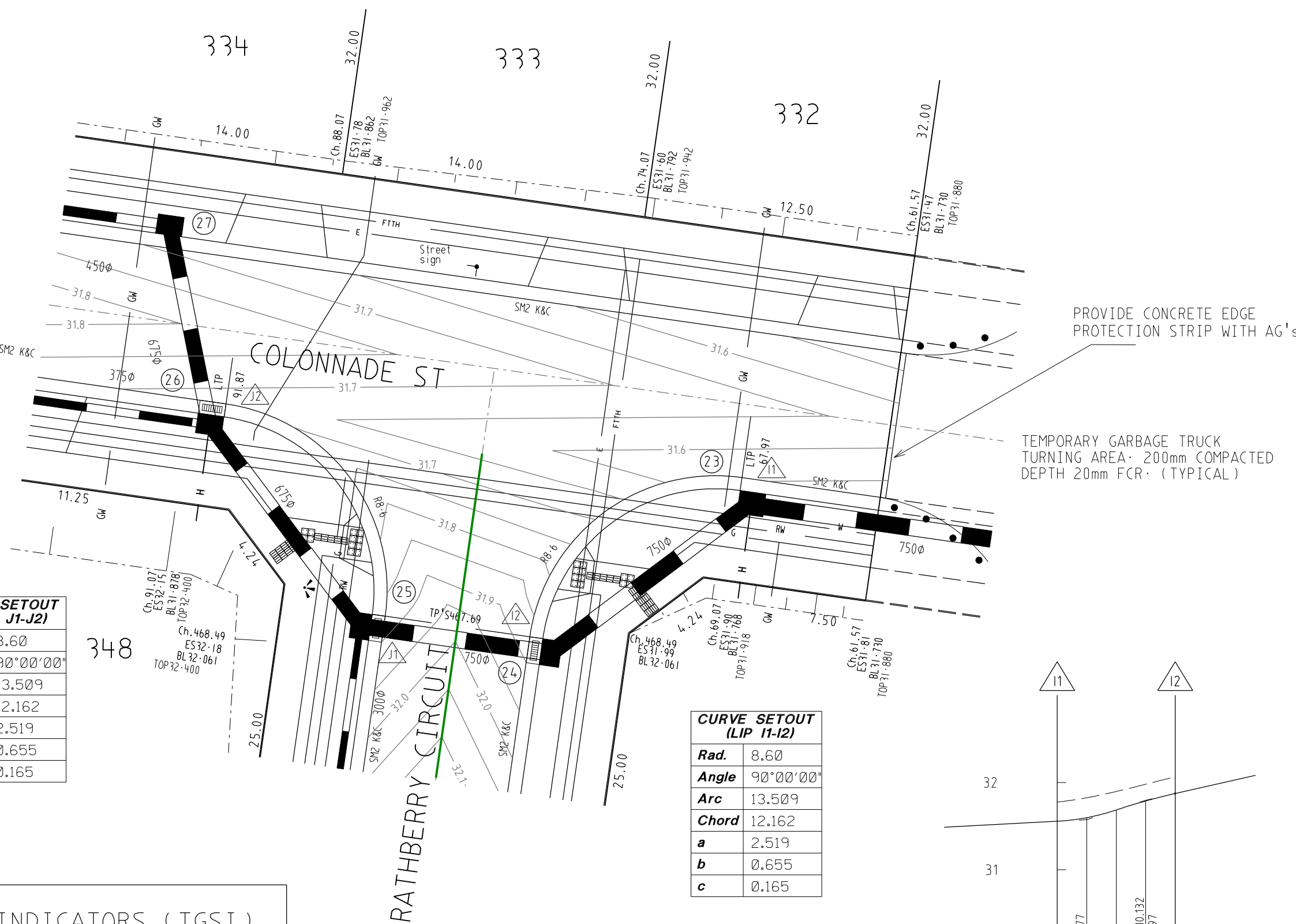
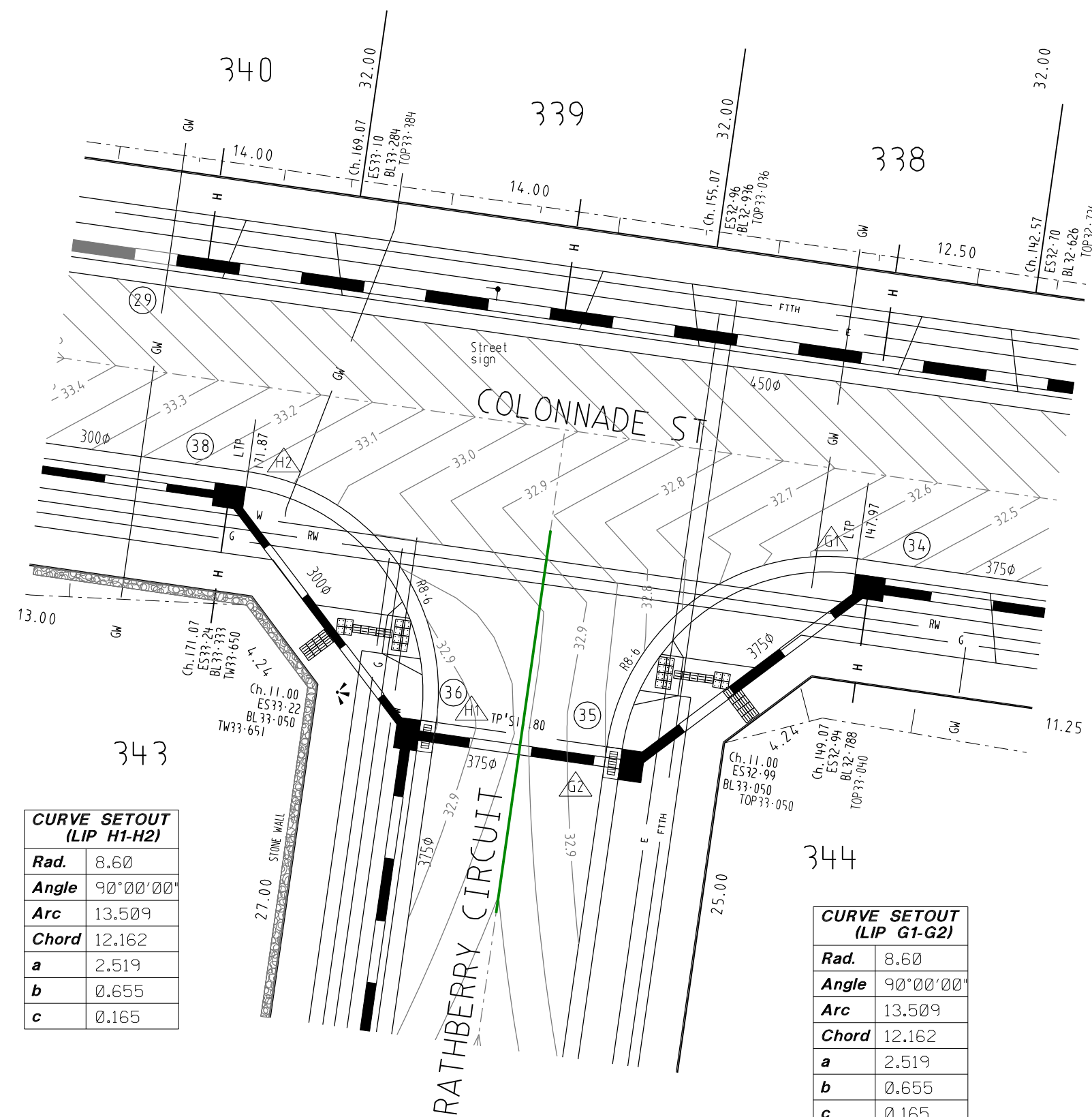
Drains		Ex/Natural/FS Level +538.51	
Sewer <300		FS @ Building Line	
Sewer >300		Top/Toe of Batter	
Water		Top Ret. Wall Level	
House Drain		100yr Flood Level	
Property Inlet		Fill Prop/Ex	
Street Sign		Cut Prop/Ex	
PSM			
Retaining Wall			
Conduits 50mm			
Conduits 100mm			
Ex Gas/Elect/Tel			

AMENDMENTS	A	19.05.2017	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				
				MELWAY REF. 131-C-12	MERIDIAN ESTATE STAGE 3			MUNICIPALITY	
			SURVEY B.P.D.	CASEY					
			DESIGN RK	REFERENCE					
			DRAWN RK	8129 ^E /3					
VER	DATE	REMARKS		CHECKED	SCALE AS SHOWN	DATUM AHD	DATE OCT. 16	SHEET 4 OF 20	A

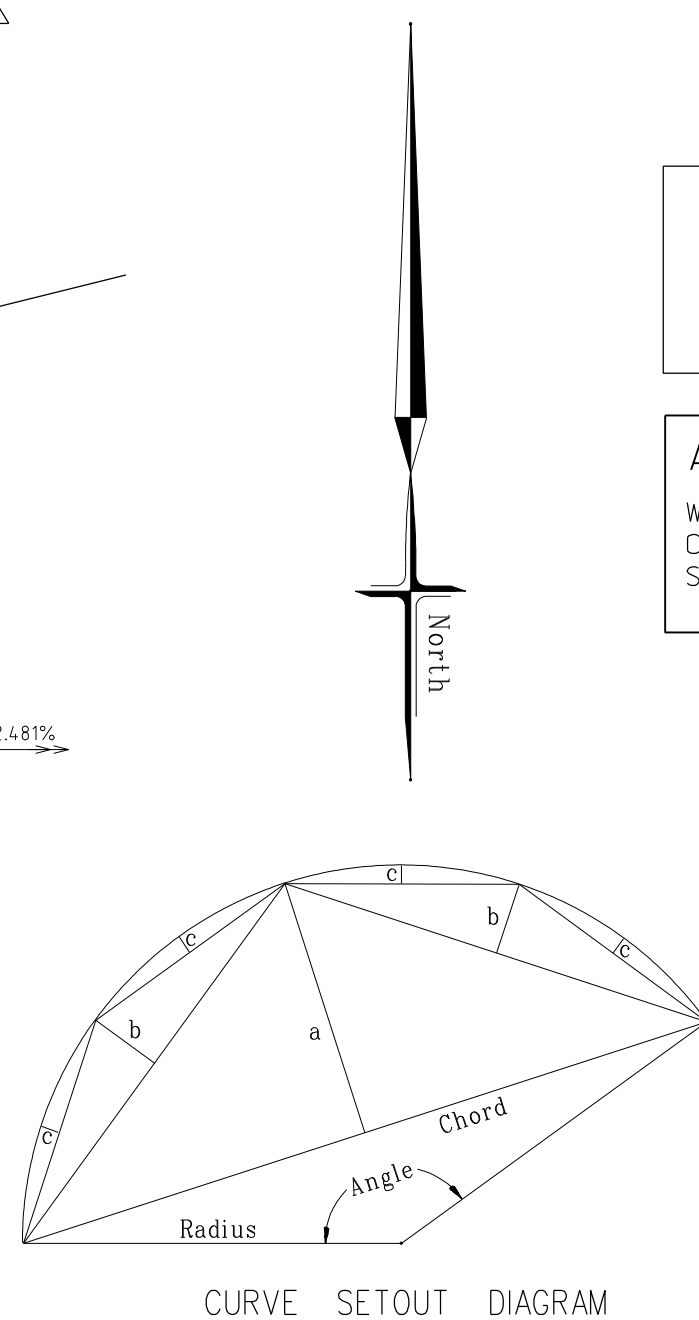
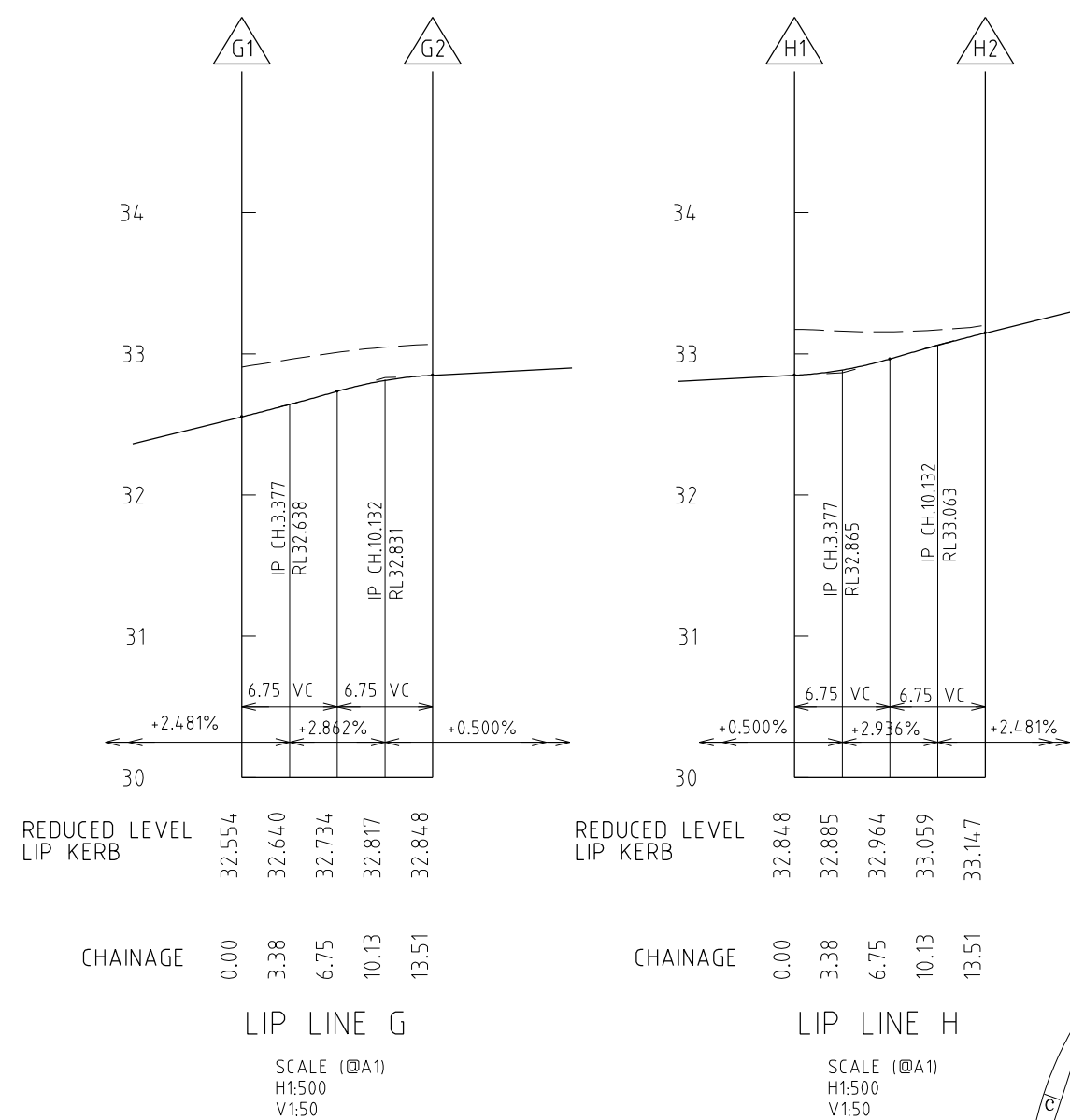
City of Casey

Approved By: Khurshedul Alam
File No: 103270.SC-03 & SEng00158/16
Date: 19/05/2017

DRAWING NO: R4932



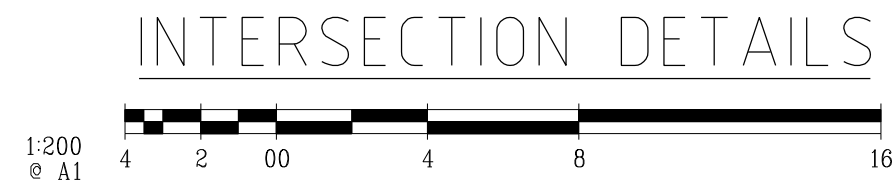
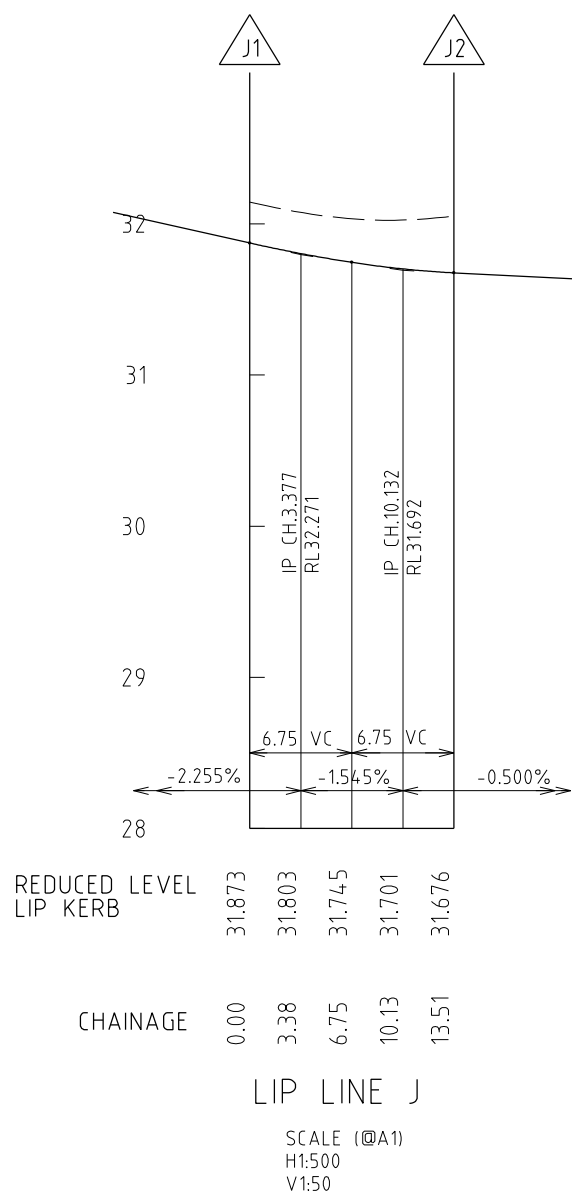
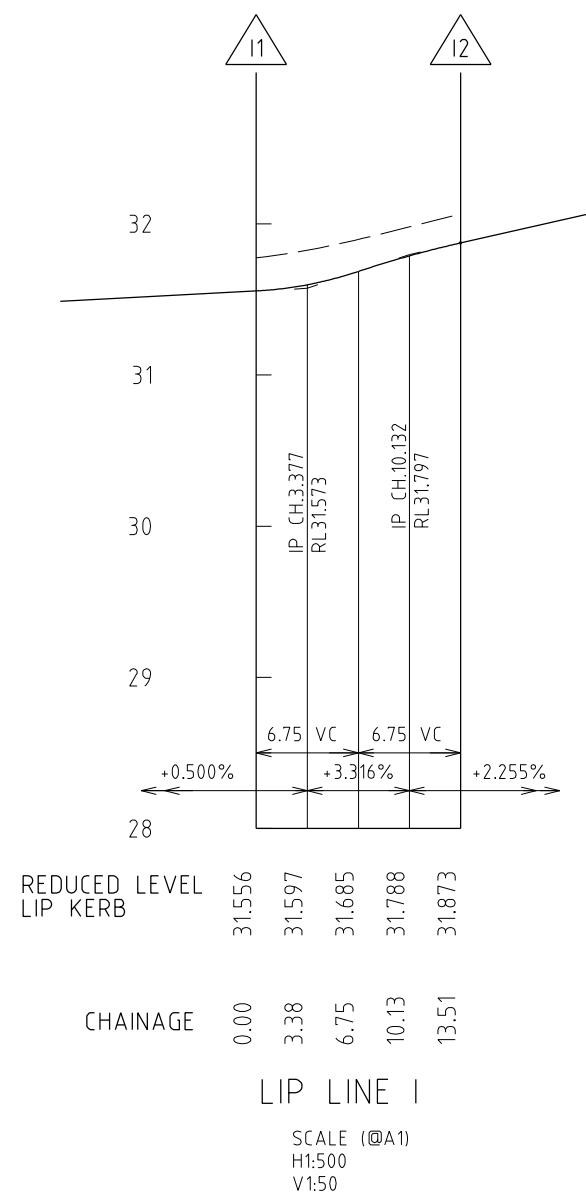
CURVE SETOUT (LIP I1-I2)			
Rad.	8.60		
Angle	90°00'00"		
Arc	13.509		
Chord	12.162		
a	2.519		
b	0.655		
c	0.165		



TACTILE GROUND SURFACE INDICATORS (TGSIs) 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

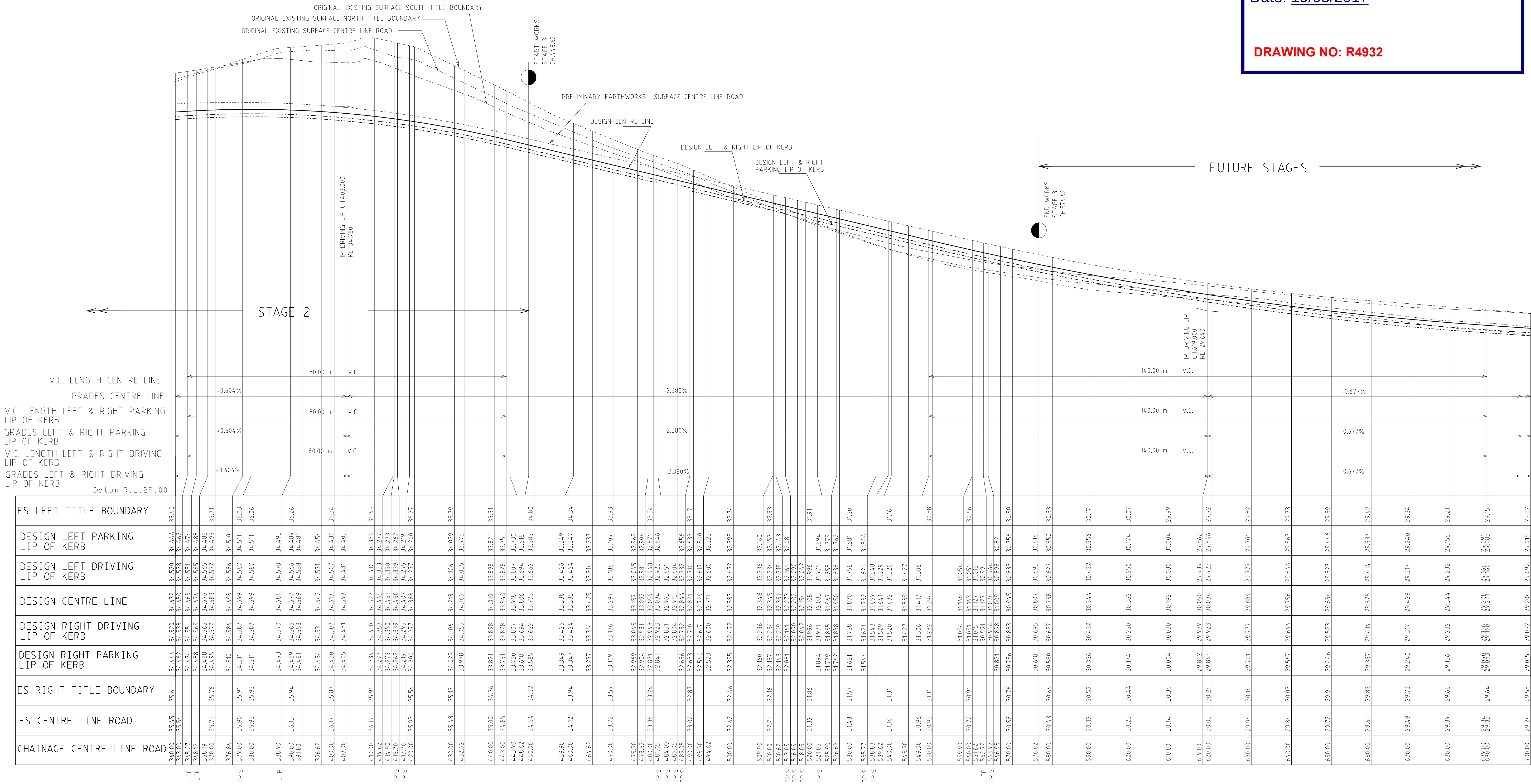


SYMBOL LEGEND			A		19.05.2017		ISSUED FOR CONSTRUCTION				brees pitt dixon pty. ltd.		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
Drains		Ex/Natural/FS Level		Ex/Natural/FS Level		Ex/Natural/FS Level		Ex/Natural/FS Level			MERIDIAN ESTATE STAGE 3		MUNICIPALITY CASEY	
Sewer <300		FS @ Building Line		FS @ Building Line		FS @ Building Line		FS @ Building Line						
Sewer >300		Top/Toe of Batter		Top/Toe of Batter		Top/Toe of Batter		Top/Toe of Batter	SURVEY		B.P.D.		REFERENCE 8129 E/3	
Water		Top Ret. Wall Level		Top Ret. Wall Level		Top Ret. Wall Level		Top Ret. Wall Level	DESIGN		RK			
House Drain		100yr Flood Level		100yr Flood Level		100yr Flood Level		100yr Flood Level	DRAWN		RK		SHEET 5 OF 20	
Property Inlet		Fill Prop/Ex		Fill Prop/Ex		Fill Prop/Ex		Fill Prop/Ex	CHECKED					
Street Sign		Cut Prop/Ex		Cut Prop/Ex		Cut Prop/Ex		Cut Prop/Ex	DATE				4	
PSM														
Retaining Wall														
Conduits 50mm														
Conduits 100mm														
Ex Gas/Elect/Tel														

City of Casey

Approved By: Khurshedul Alam
File No: 103270.SC-03 & SEng00158/16
Date: 19/05/2017

DRAWING NO: R4932



NEWGRANGE BOULEVARD LONGITUDINAL SECTION

SCALE Hor. 1:500
Vert 1:50

AMENDMENTS	A	19.05.2017	ISSUED FOR CONSTRUCTION		breese pitt dixon pty. ltd. land surveyors civil engineers				1/19 coto street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310							
				MELWAY REF.	131-C-12				MUNICIPALITY							
				SURVEY	B.P.D.				CASEY							
				DESIGN	RK				REFERENCE							
				DRAWN	RK				8129 E/3							
VER.	DATE	REMARKS		CHECKED	SCALE	AS SHOWN	DATUM	AHD	DATE	OCT.	16	SHEET	6	OF	20	A

MUNICIPALITY
CASEY
REFERENCE
8129 E/3

Approved By: Khurshedul Alam
File No: 103270.SC-03 & SEng00158/16
Date: 19/05/2017

[illegible]

	15.00	11.80	10.60	10.55	9.05	6.25	5.65	3.35	0.00	5.35	5.65	7.25	7.85	10.85	13.35	14.85	14.50
EXISTING	32.36								32.17			32.13					
DESIGN	32.418	32.604	32.405	32.405	32.367	32.227	32.142	32.219	32.231	32.219	32.142	32.227	32.234	32.409	32.492	32.530	32.530
OFFSET	-15.00	-11.80	-10.60	-10.55	-9.05	-6.25	-5.65	-3.35	0.00	5.35	5.65	7.25	7.85	10.85	13.35	14.85	14.50

The profile view shows the vertical alignment of the proposed road. The existing ground surface is shown as a dashed line, and the preliminary earthworks surface is shown as a solid line. The design surface is shown as a solid line with a 1% grade. The profile includes a 10% grade section and a 1% grade section. The profile is bounded by the North Title Boundary and the South Title Boundary. The profile includes a 10% grade section and a 1% grade section. The profile is bounded by the North Title Boundary and the South Title Boundary.

Station	Existing Elevation	Design Elevation	Offset
15.00	33.48	33.426	-15.00
17.01	33.404	33.404	-17.01
18.60	33.359	33.366	-18.60
19.55	33.166	33.166	-19.55
20.05	33.129	33.129	-20.05
21.89	32.989	32.989	-21.89
22.904	32.904	32.904	-22.904
23.35	32.981	32.981	-23.35
24.00	33.092	33.092	-24.00
25.39	33.39	33.39	-25.39
26.81	32.981	32.981	-26.81
27.904	32.904	32.904	-27.904
28.75	32.989	32.989	-28.75
29.85	33.096	33.096	-29.85
31.71	33.171	33.171	-31.71
32.33	33.233	33.233	-32.33
33.254	33.254	33.254	-33.254
34.291	33.291	33.291	-34.291
35.291	33.291	33.291	-35.291

The profile view illustrates the proposed road cross-section. The vertical axis represents elevation in feet above sea level (RL). The horizontal axis represents the road width and offsets. The profile shows the existing ground surface (dashed line) and the proposed preliminary earthworks surface (solid line). The design surface is shown with a 1% slope (1 in 100) from the centerline to the edges. The profile also indicates the North and South Title Boundaries and the Original Existing Surface.

Offset (ft)	Design Elevation (ft)	Existing Elevation (ft)
-15.00	34.243	35.00
-12.67	34.226	
-10.60	33.880	
-10.35	33.880	
-9.05	33.843	
-6.25	33.703	
-5.65	33.618	
-3.35	33.694	
0.00	33.806	
3.35	33.694	
5.65	33.618	
6.25	33.703	
7.65	33.809	
10.85	33.884	
13.35	33.948	
14.85	34.005	
14.90	34.005	

	OFFSET	DESIGN	EXISTING	RL 28.00
	-15.00	30.890	30.35	
	-10.60	30.881		
	-10.55	30.881		
	-9.05	30.843	30.41	
	-6.25	30.703		
	-5.65	30.618		
	-3.35	30.695	30.43	
	-0.00	30.807		
	3.35	30.695	30.53	
	5.65	30.618		
	6.25	30.703		
	7.85	30.810		
	10.85	30.885		
	13.35	30.968		
	14.85	31.006		
	14.90	31.006		
	16.01	31.219		
	20.00	31.263	30.75	

	EXISTING	DESIGN	OFFSET
RL 28.00	30.53	31.130	-15.00
NORTH TITLE BOUNDARY			
		31.083	-10.60
		31.083	-10.55
		31.046	-9.05
		30.906	-6.25
		30.821	-5.65
		30.898	-3.35
		31.009	10.00
		30.898	3.35
		30.821	5.65
		30.906	6.25
		31.013	7.85
		31.088	10.85
		31.171	13.35
		31.208	14.85
		31.208	14.90
		31.300	15.35
		30.82	
		31.345	20.00
		30.87	

SCALE Hor. 1:100
 Ver t 1:50

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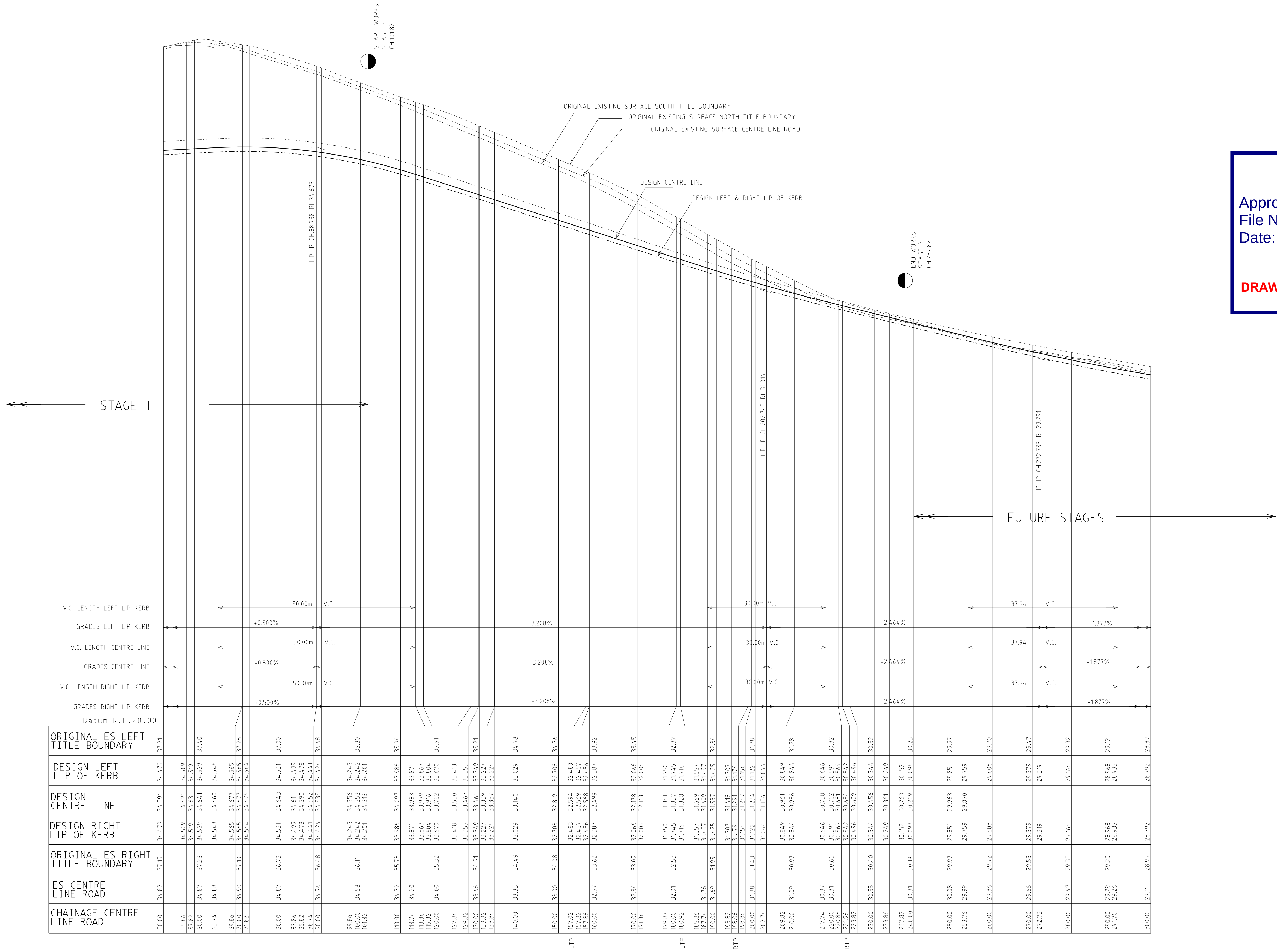
City of Casey

Approved By: Khurshedul Alam

File No: 103270.SC-03 & SEng00158/16

Date: 19/05/2017

DRAWING NO: R4932



ATRIUM STREET LONGITUDINAL SECTION

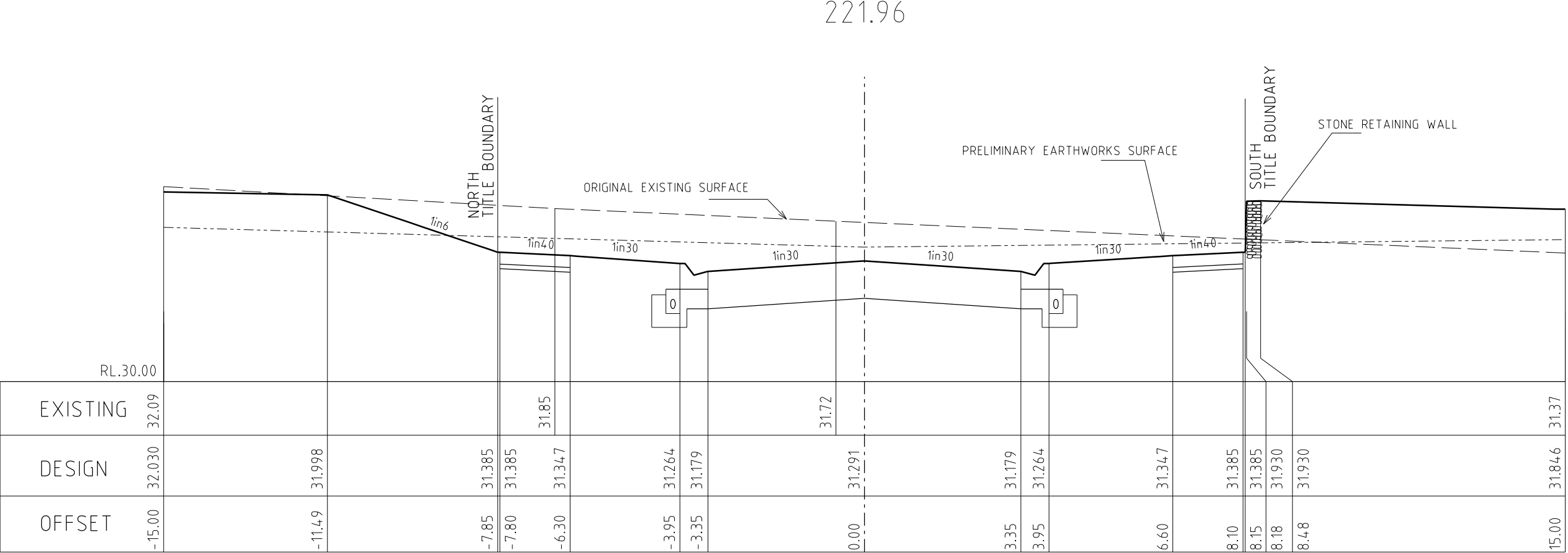
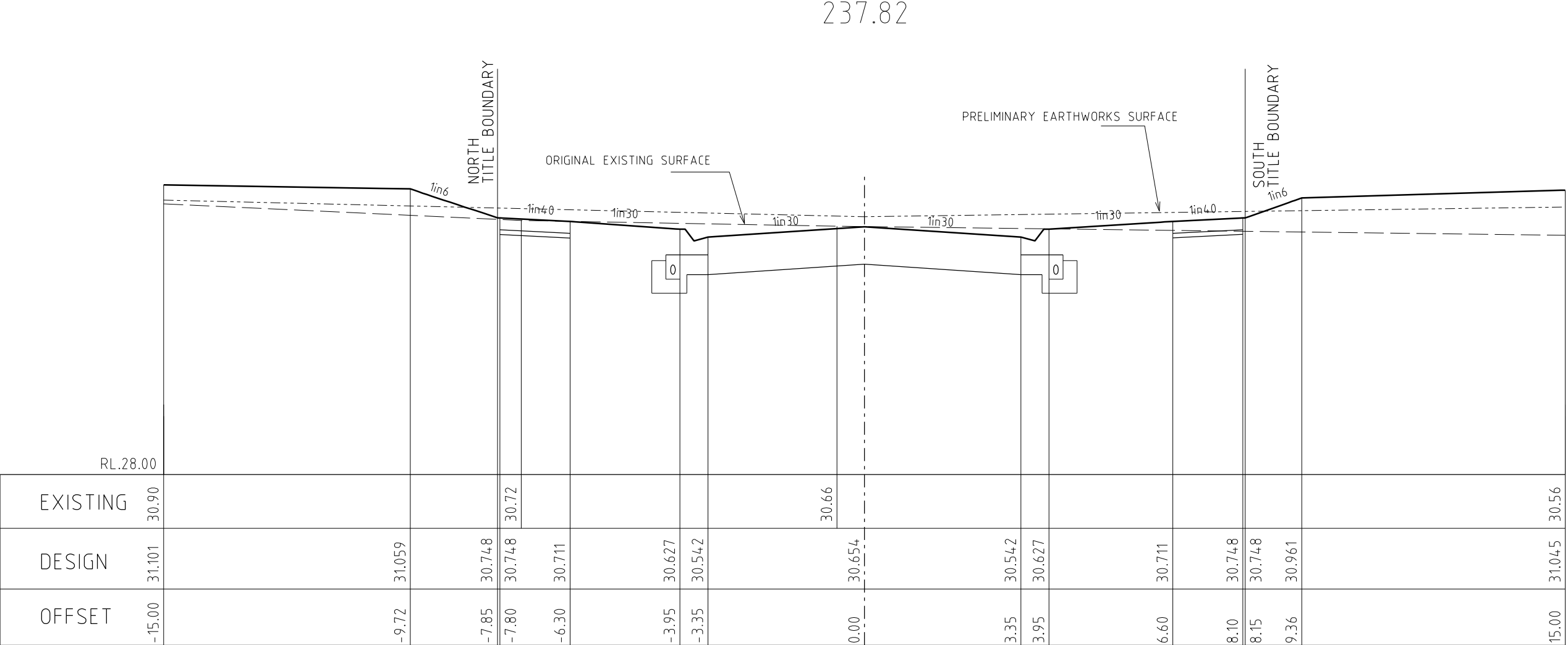
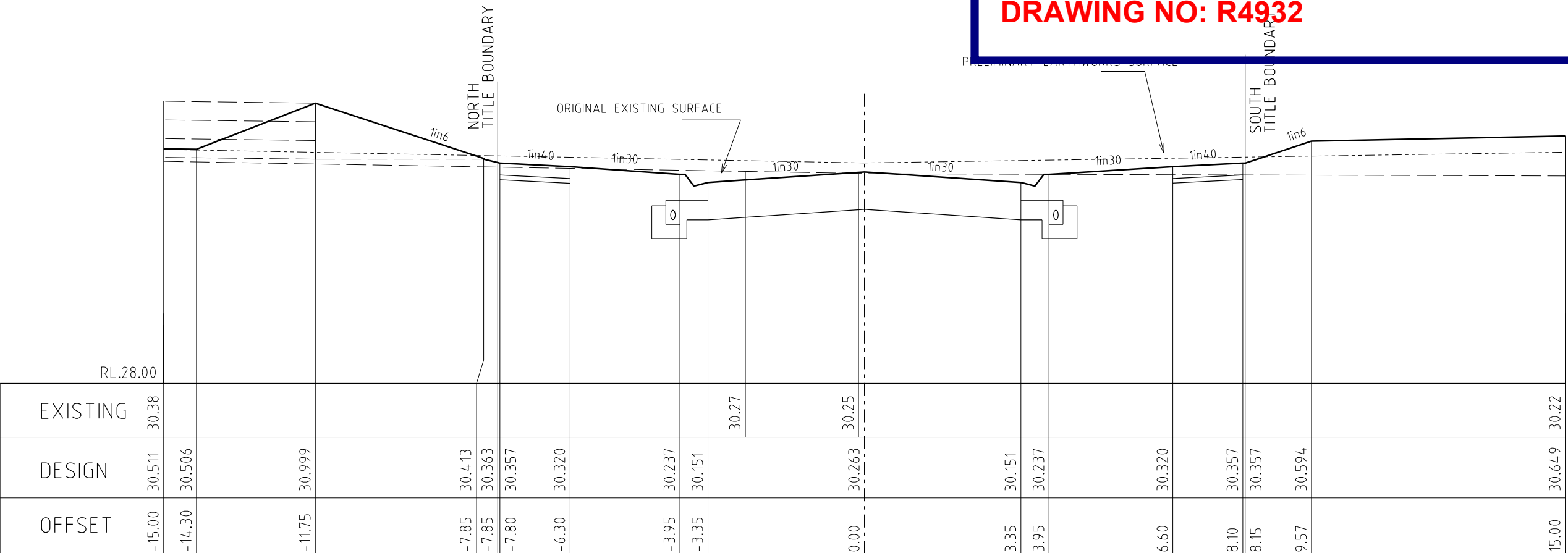
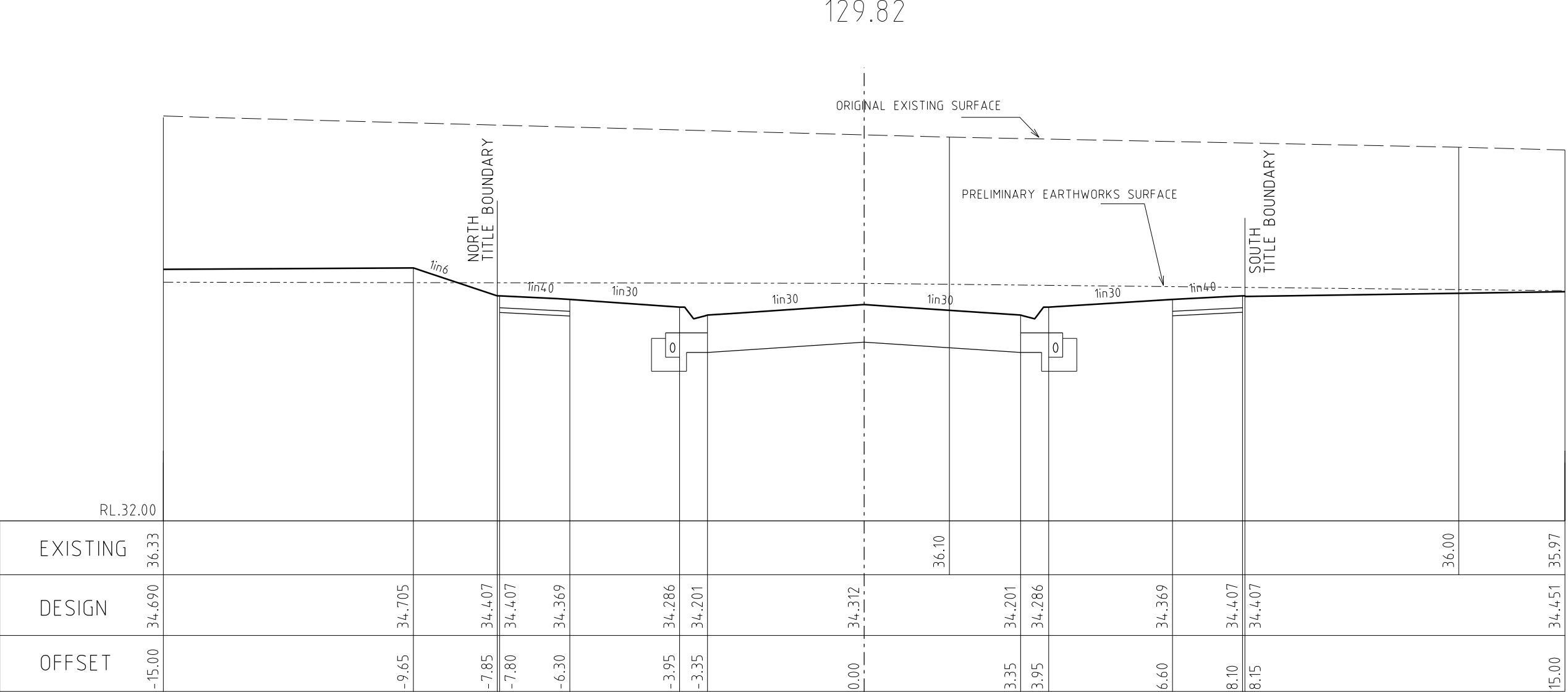
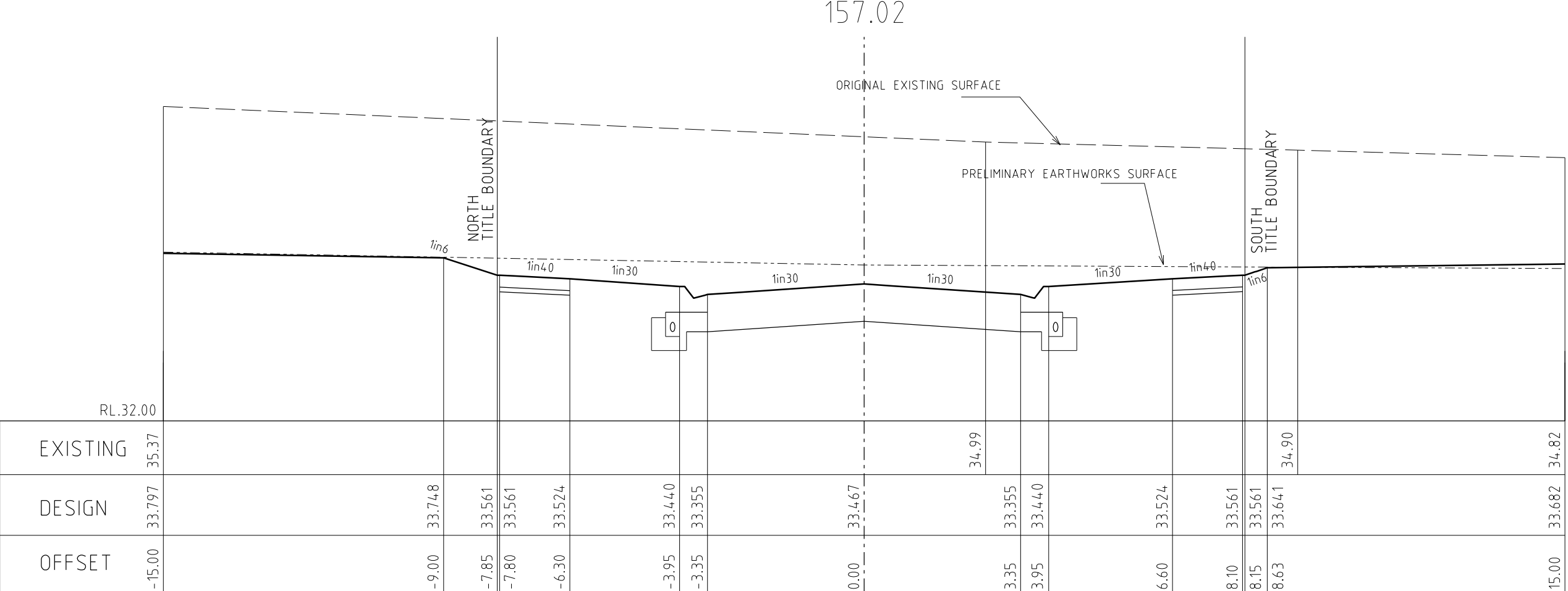
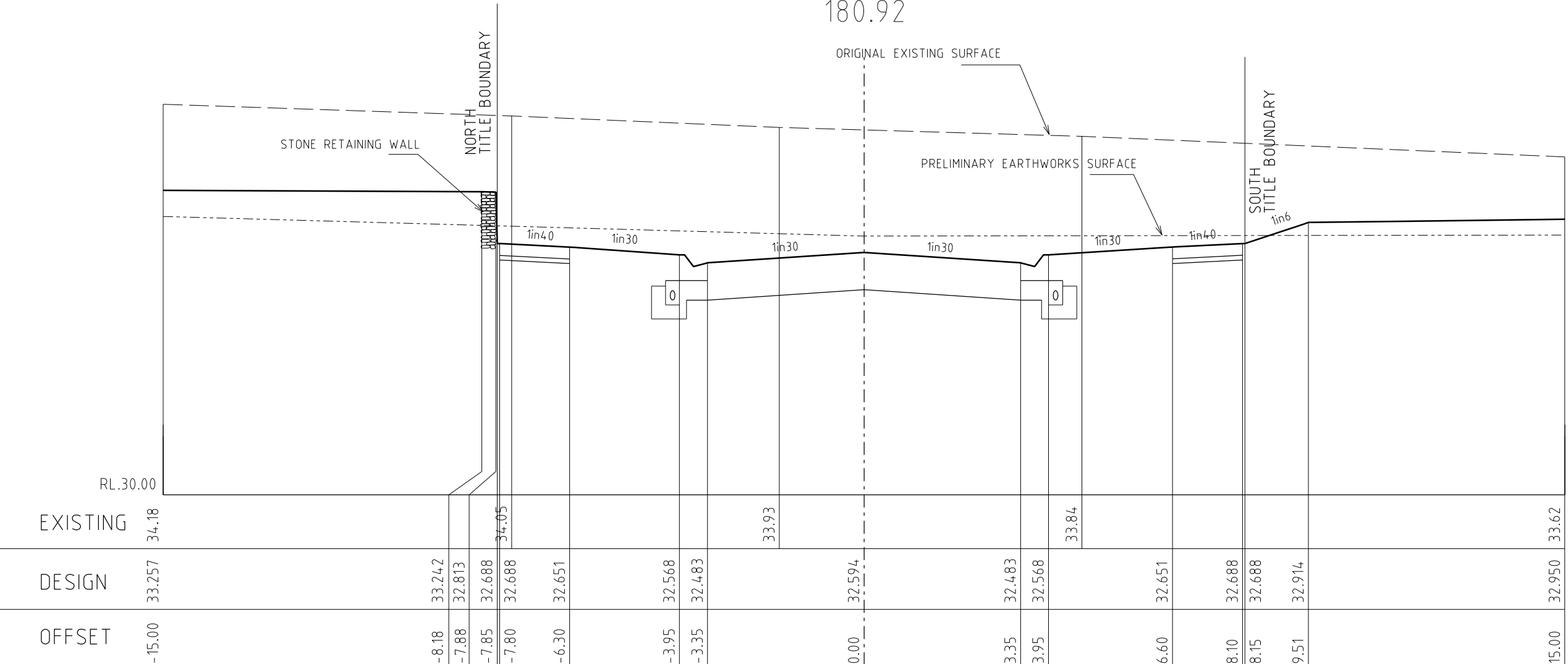
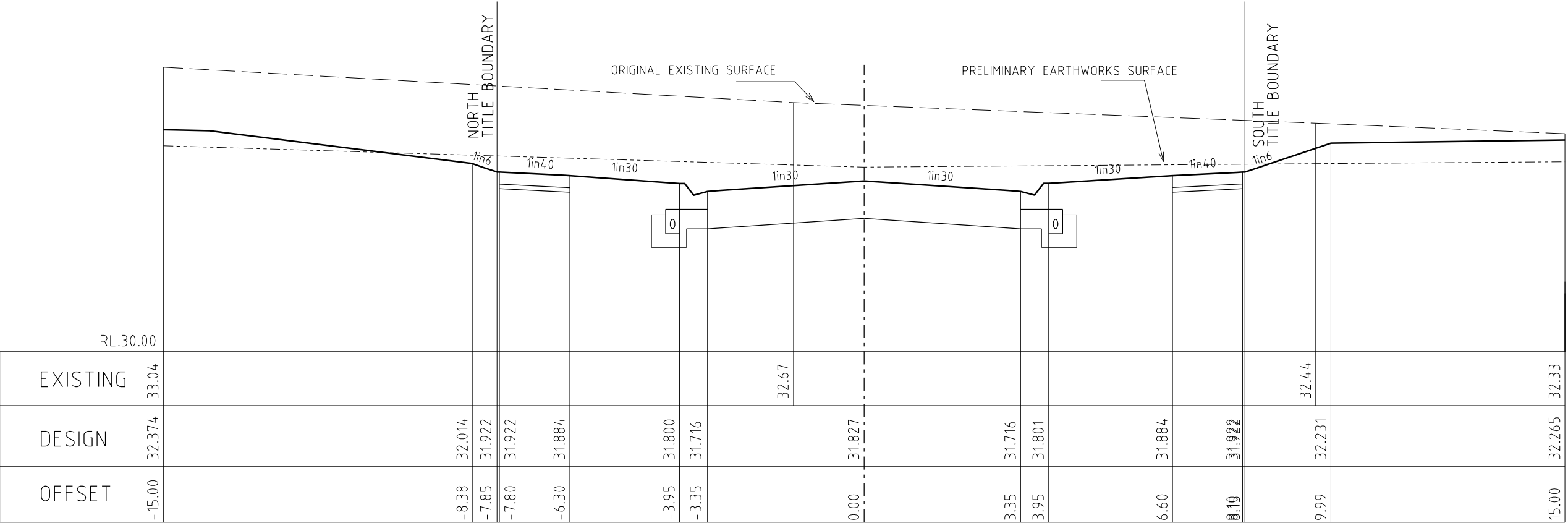
SCALE Hor. 1:500
Vert 1:50

AMENDMENTS	A	19.05.2017	ISSUED FOR CONSTRUCTION		breese pitt dixon pty. ltd. land surveyors civil engineers				1/19 coto street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310							
				MELWAY REF.	131-C-12				MERIDIAN ESTATE STAGE 3				MUNICIPALITY CASEY			
			SURVEY	B.P.D.												
			DESIGN	RK				REFERENCE 8129 E/3								
			DRAWN	RK												
VER.	DATE	REMARKS		CHECKED	SCALE	AS SHOWN	DATUM	AHD	DATE	OCT. 16		SHEET	8	OF	20	A

City of Casey

Approved By: Khurshedul Alam
File No: 103270.SC-03 & SEng00158/16
Date: 19/05/2017

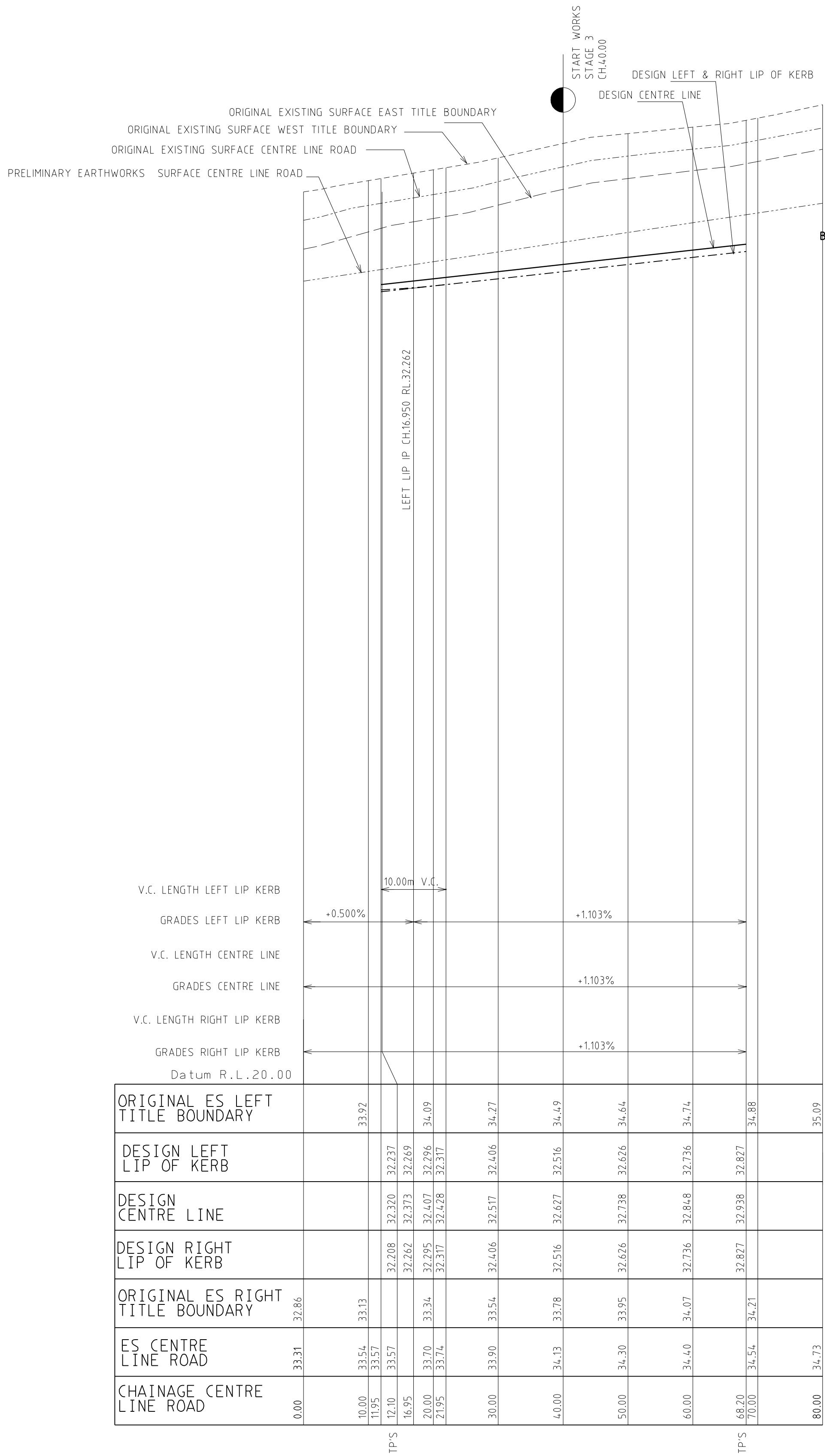
DRAWING NO: R4932



ATRIUM STREET CROSS SECTIONS

SCALE Hor. 1:100
Vert 1:50

AMENDMENTS	A	19.05.2017	ISSUED FOR CONSTRUCTION		breese pitt dixon pty. ltd. land surveyors civil engineers				1/19 coto street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310					
			MELWAY REF.	131-C-12				MERIDIAN ESTATE STAGE 3				MUNICIPALITY		
			SURVEY	B.P.D.								CASEY		
			DESIGN	RK								REFERENCE		
			DRAWN	RK								8129 ^E / ₃		
VER.	DATE	REMARKS		CHECKED	SCALE	AS SHOWN	DATUM	AHD	DATE	OCT. 16	SHEET	9	OF 20	A



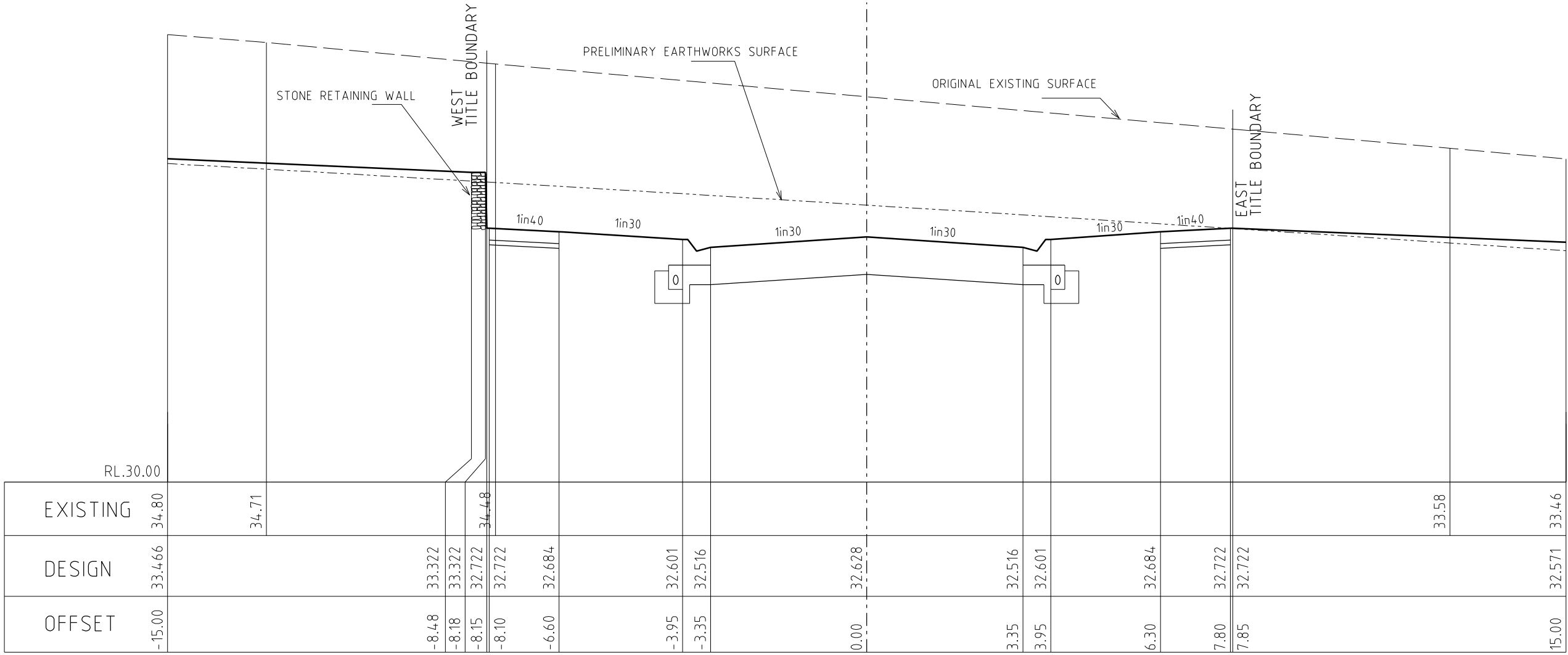
VERTEX LANE LONGITUDINAL SECTION

SCALE Hor. 1:500
Vert 1:50

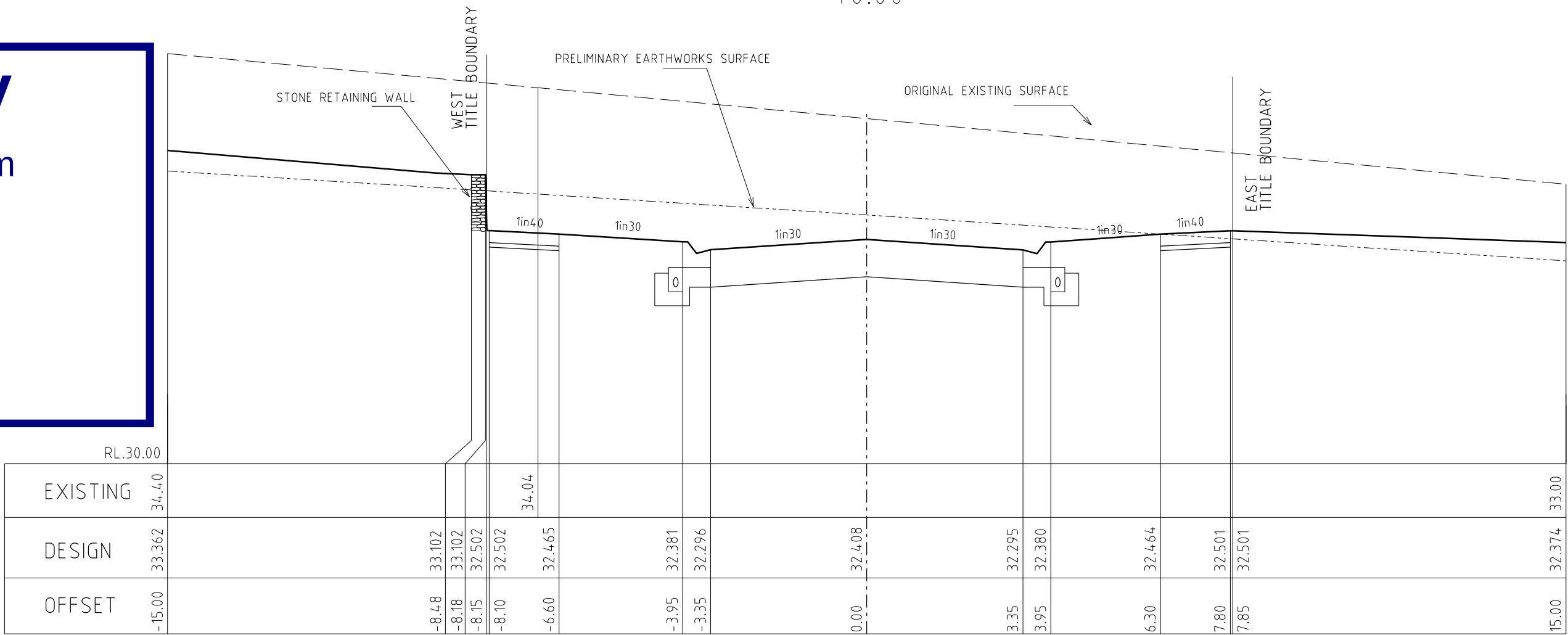
City of Casey

Approved By: Khurshedul Alam
File No: 103270.SC-03 & SEng00158/16
Date: 19/05/2017

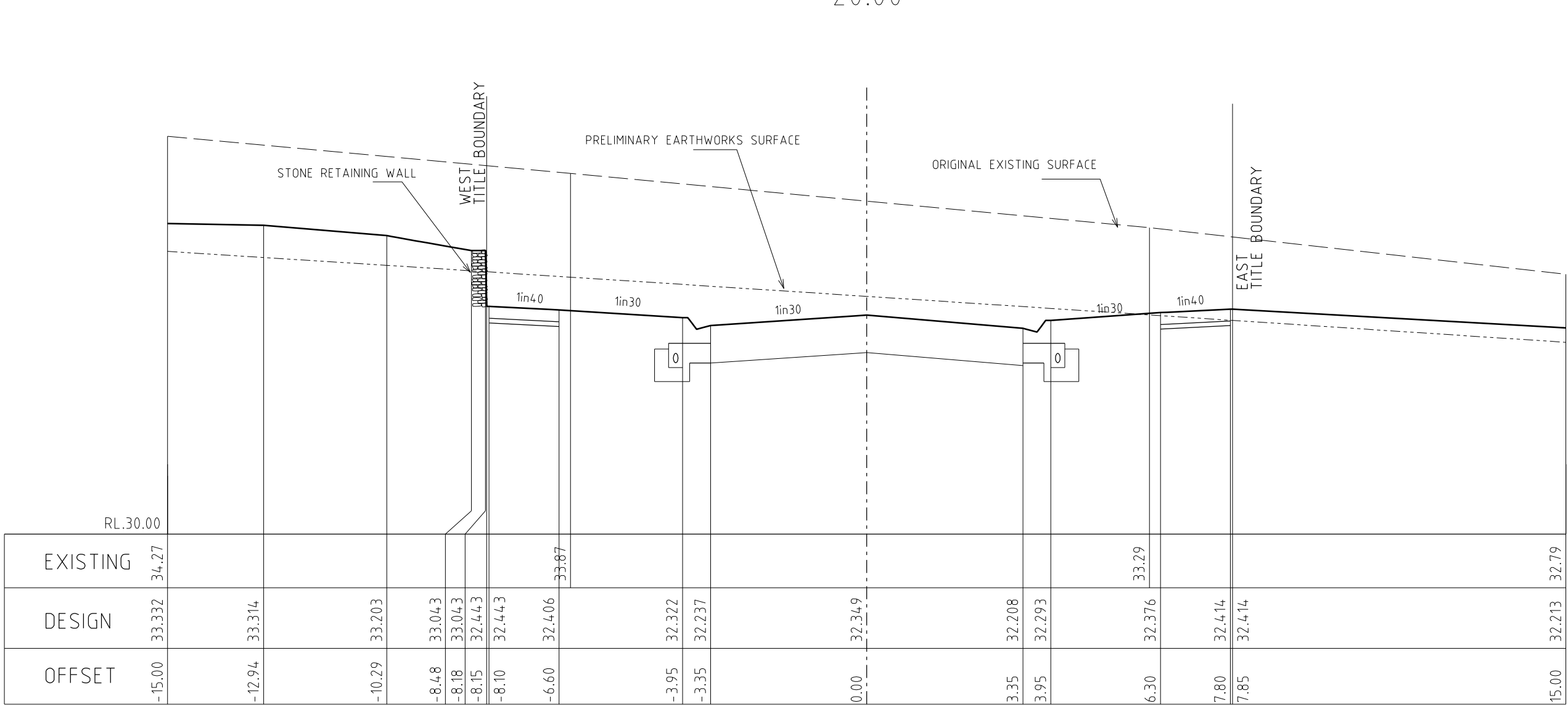
DRAWING NO: R4932



40.00



20.00



12.10

VERTEX LANE CROSS SECTIONS

SCALE Hor. 1:100
Vert 1:50

AMENDMENTS

A	19.05.2017	ISSUED FOR CONSTRUCTION
VER.	DATE	REMARKS

MELWAY REF. 131-C-12

SURVEY B.P.D.

DESIGN RK

DRAWN RK

CHECKED

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/₃

SCALE AS SHOWN

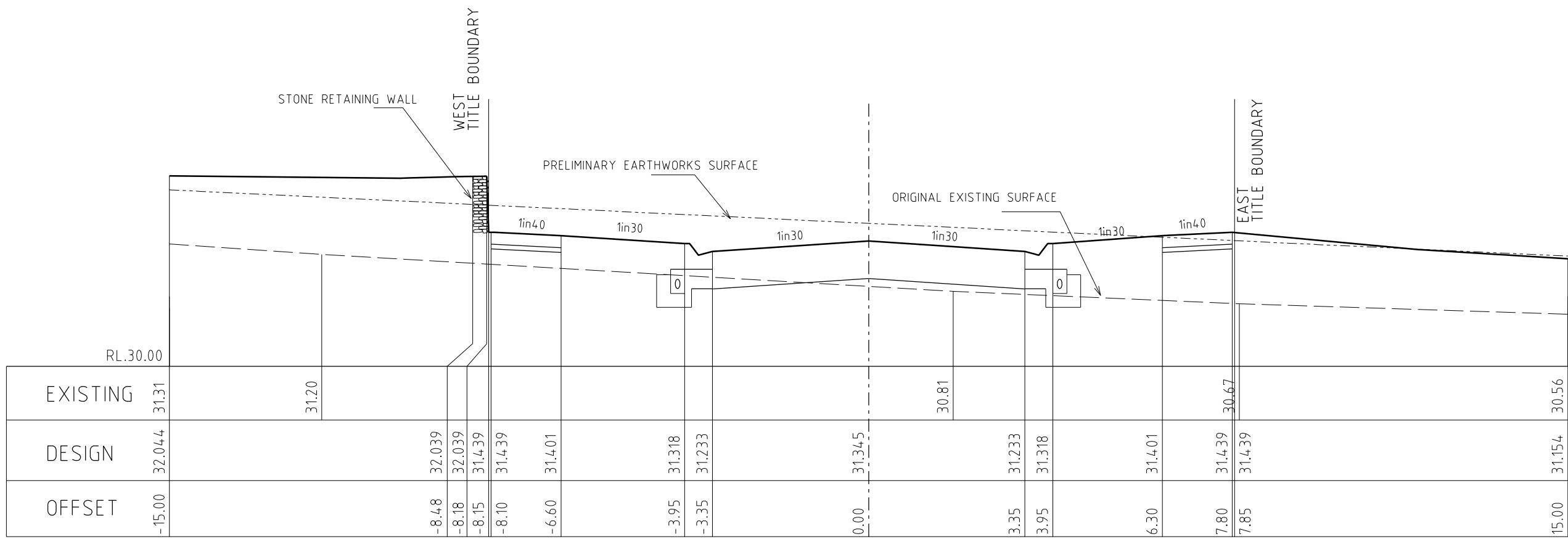
DATUM AHD

DATE OCT. 16

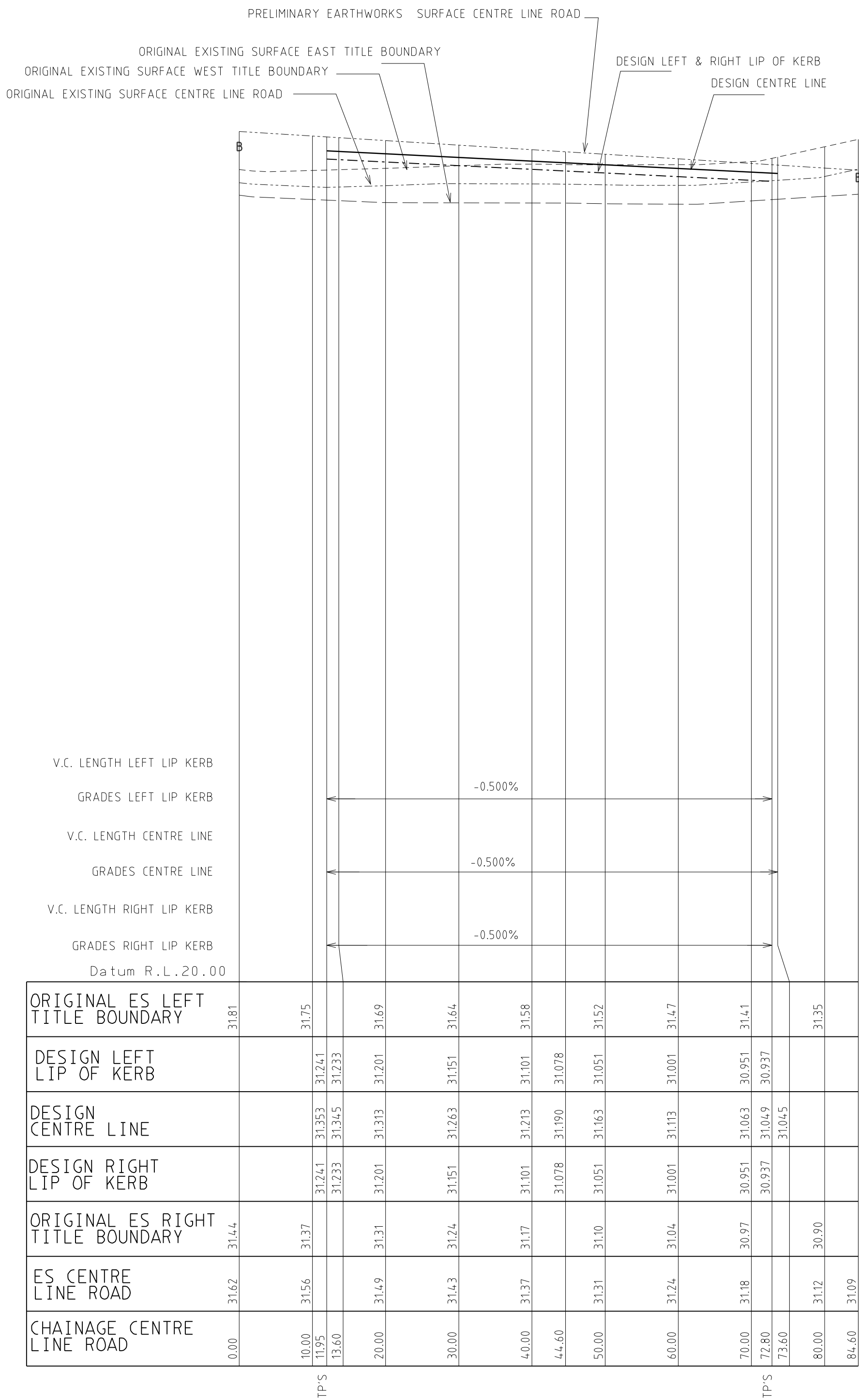
SHEET 10 OF 20

A

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13.60



SPIRE LANE LONGITUDINAL SECTION

SCALE Hor. 1:500
Vert 1:50

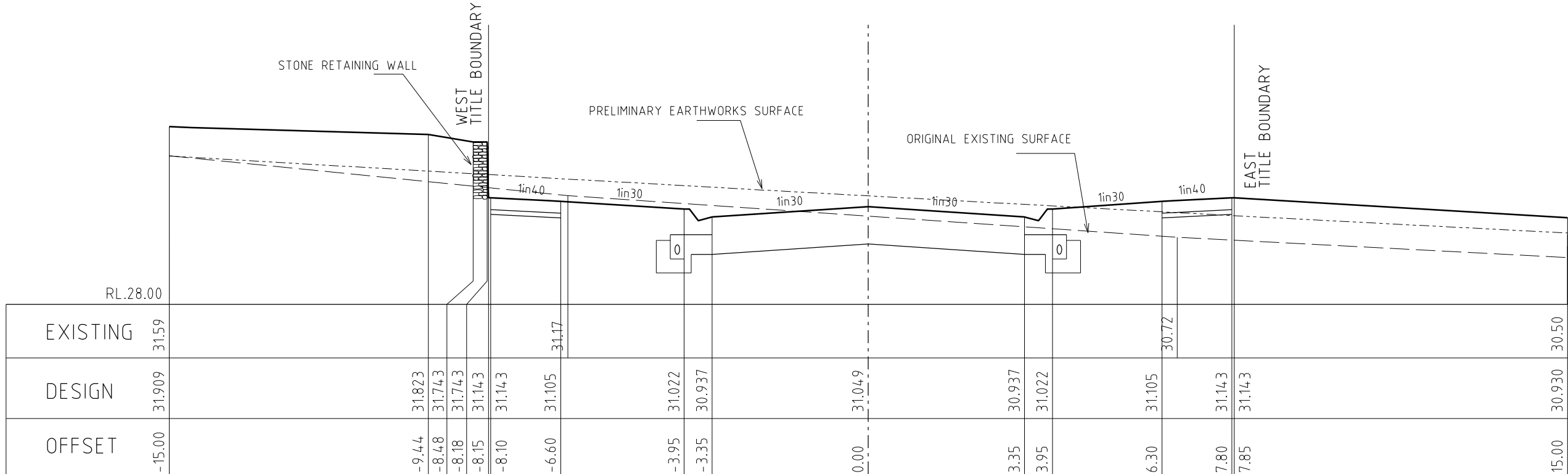
SPIRE LANE CROSS SECTIONS

SCALE Hor. 1:100
Vert 1:50

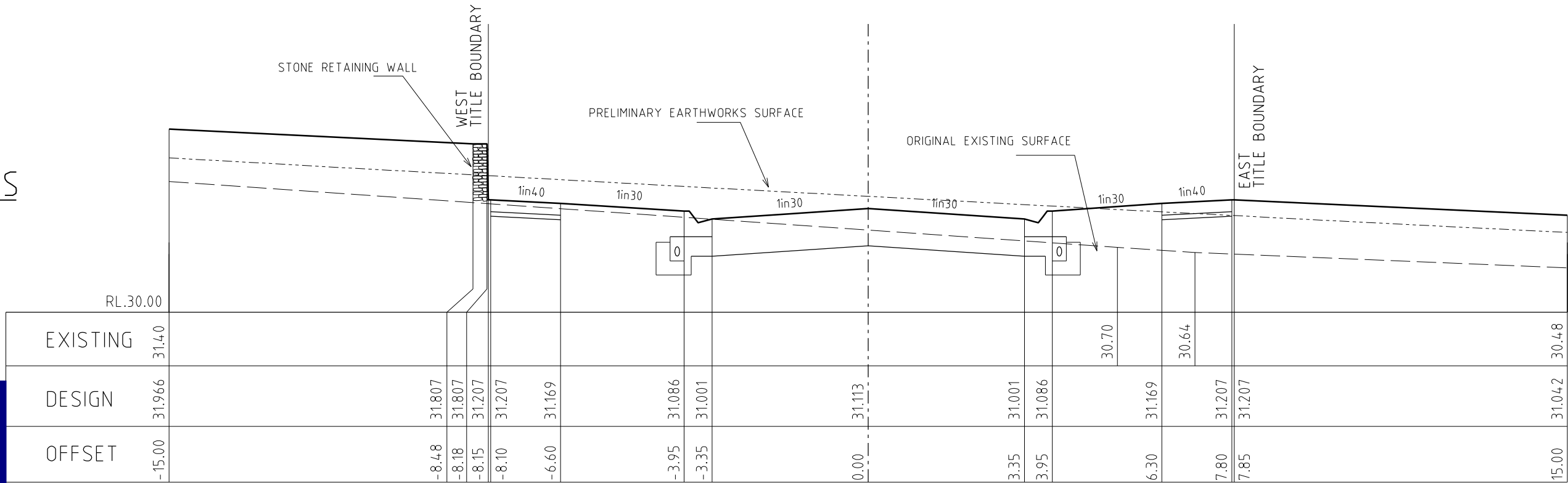
City of Casey

Approved By: Khurshedul Alam
File No:103270.SC-03 & SEng00158/16
Date: 19/05/2017

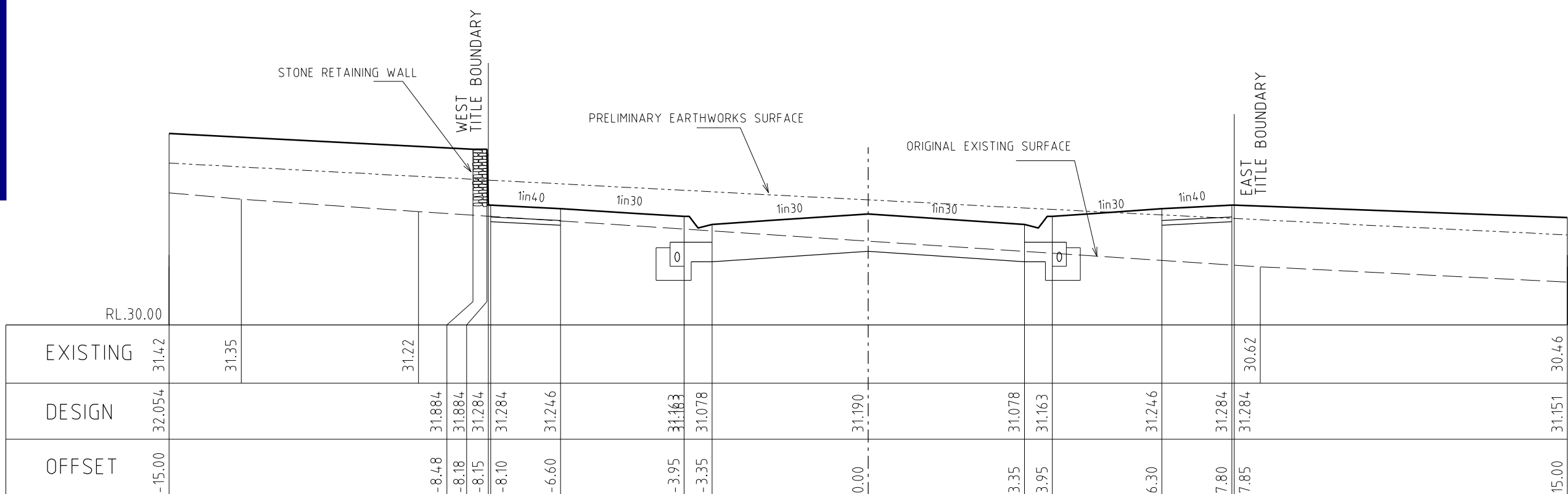
DRAWING NO: R4932



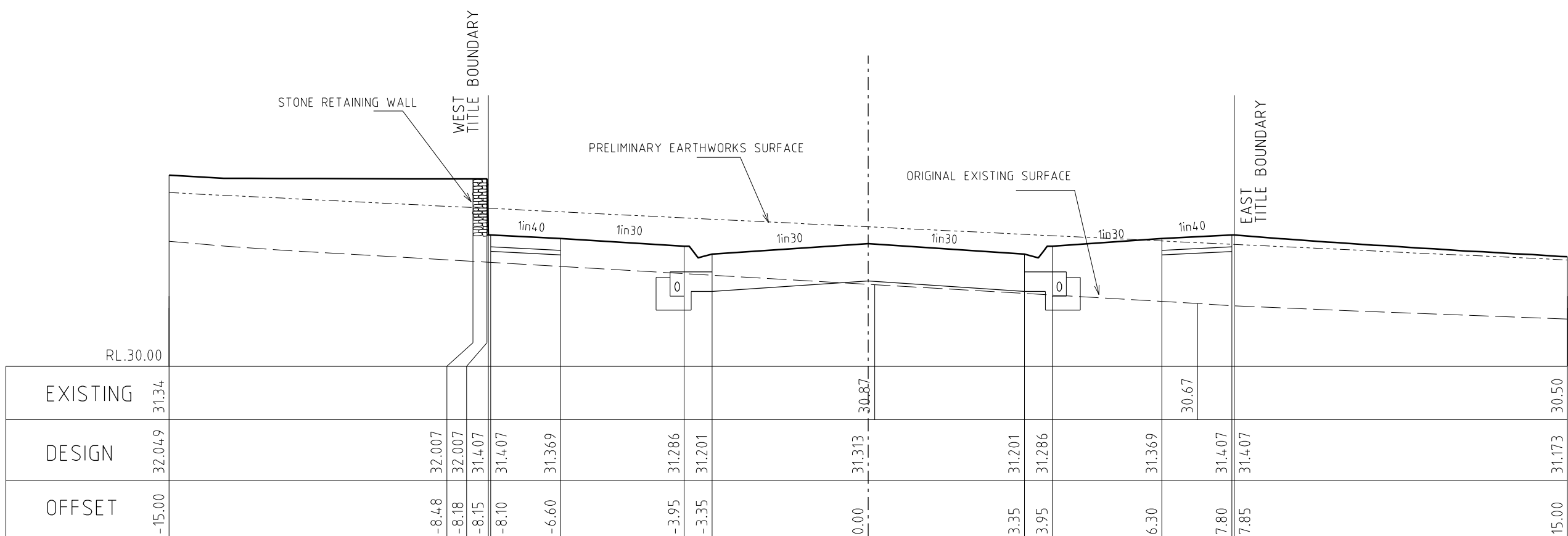
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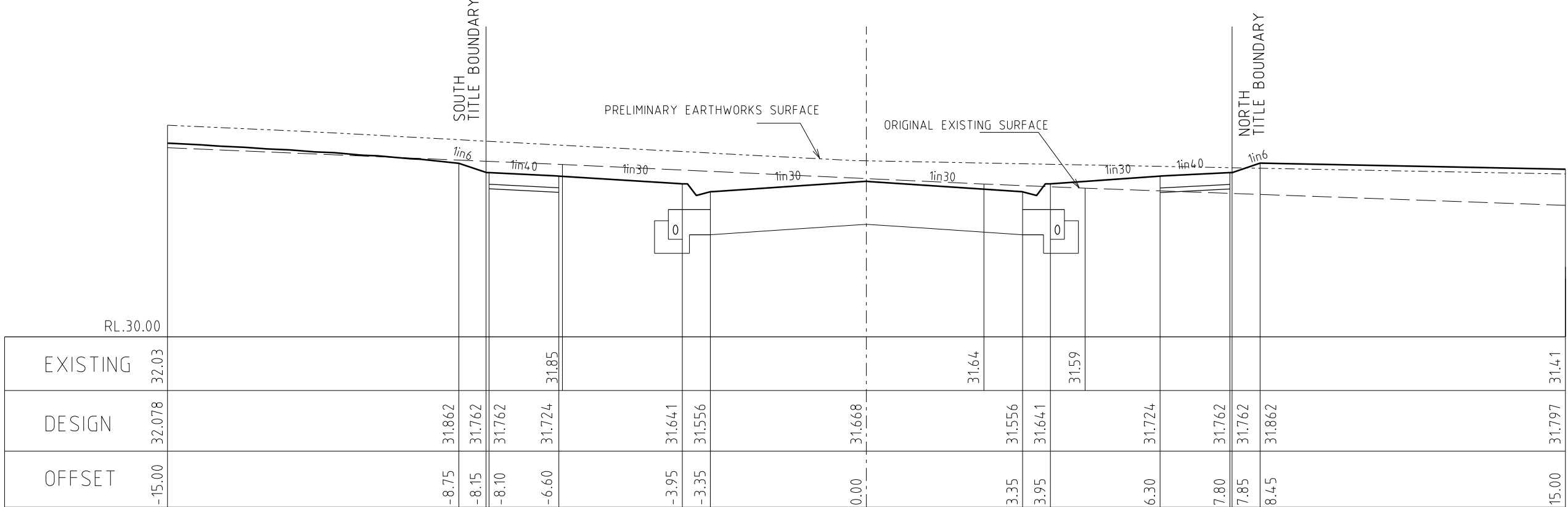
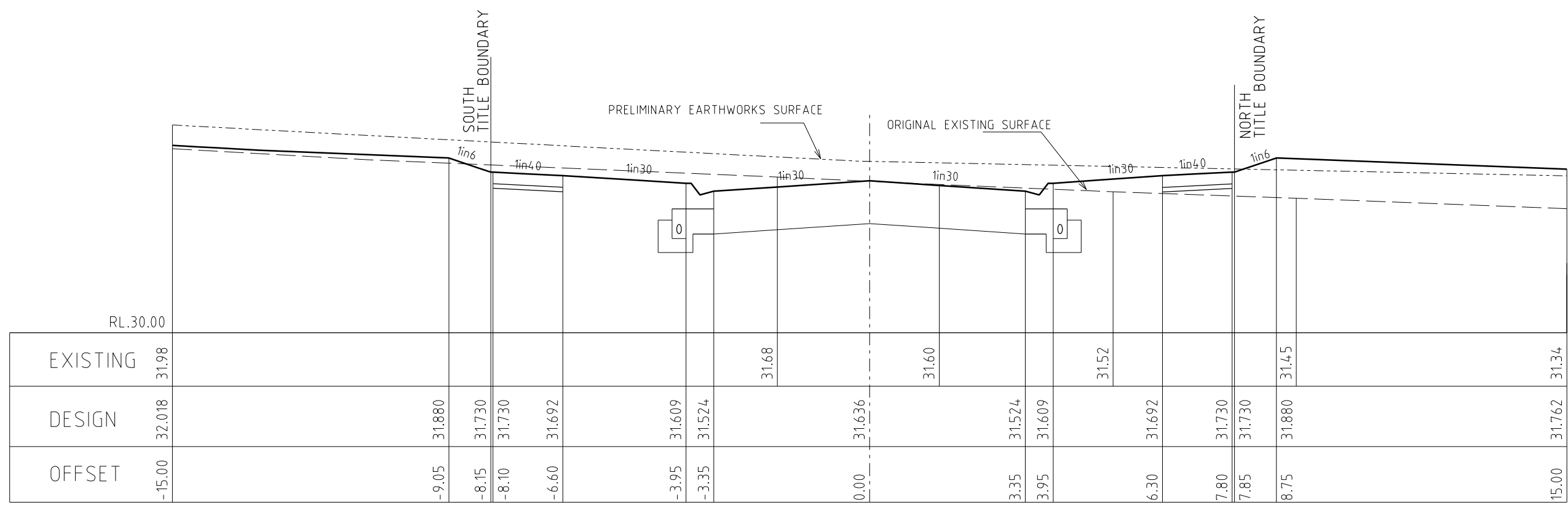


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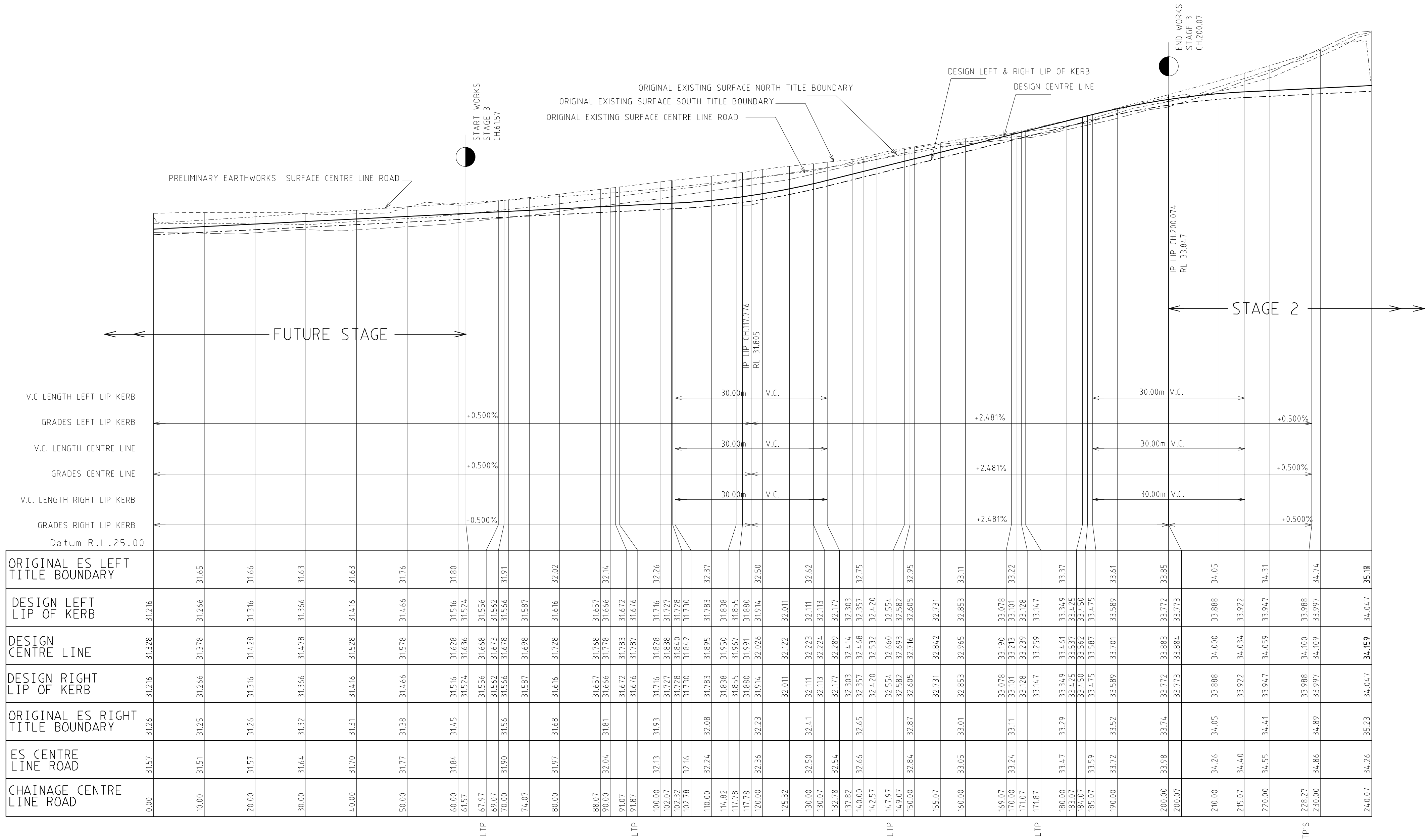
20.00

AMENDMENTS	A	19.05.2017	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					
				MELWAY REF.	131-C-12				MERIDIAN ESTATE STAGE 3				MUNICIPALITY	
				SURVEY	B.P.D.								CASEY	
				DESIGN	RK								REFERENCE	
				DRAWN	RK								8129 E/3	
VER.	DATE	REMARKS		CHECKED	SCALE	AS SHOWN	DATUM	AHD	DATE	OCT. 16	SHEET	11 OF 20	A	



COLONNADE STREET CROSS SECTIONS

SCALE Hor. 1:100
Vert 1:50



COLONNADE STREET LONGITUDINAL SECTION

SCALE Hor. 1:500
Vert 1:50

City of Casey

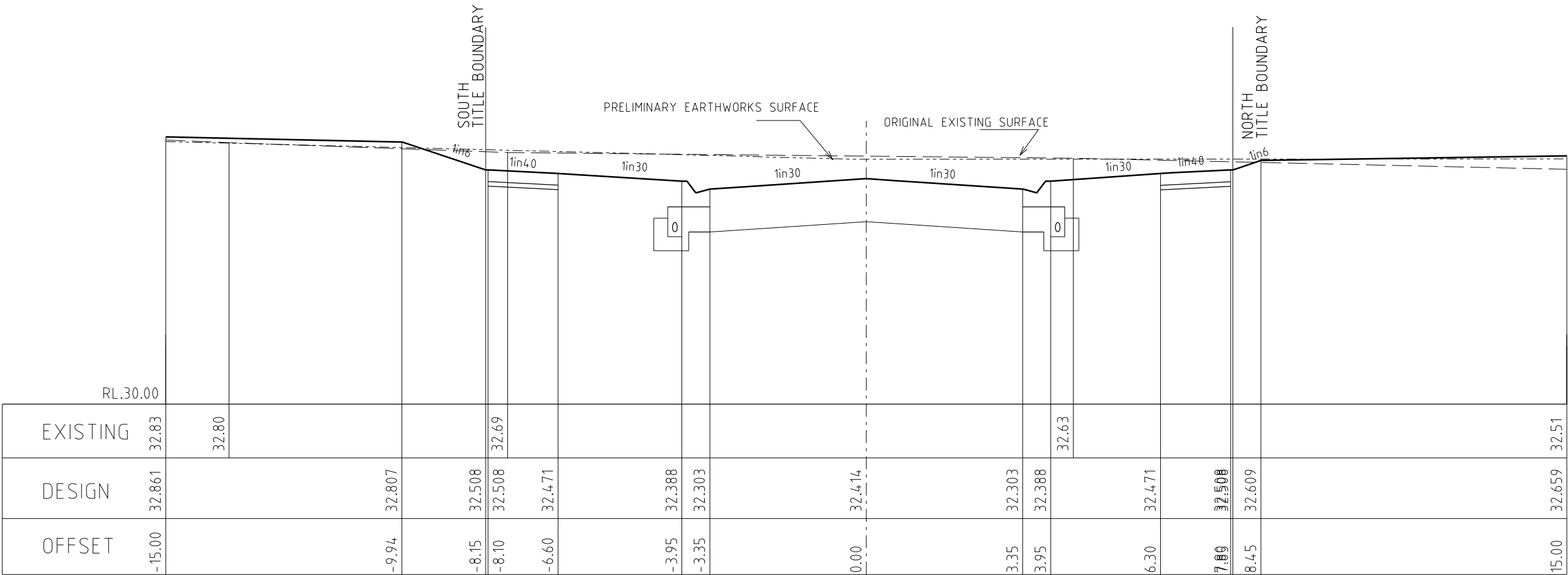
Approved By: Khurshedul Alam

File No: 103270.SC-03 & SEng00158/16

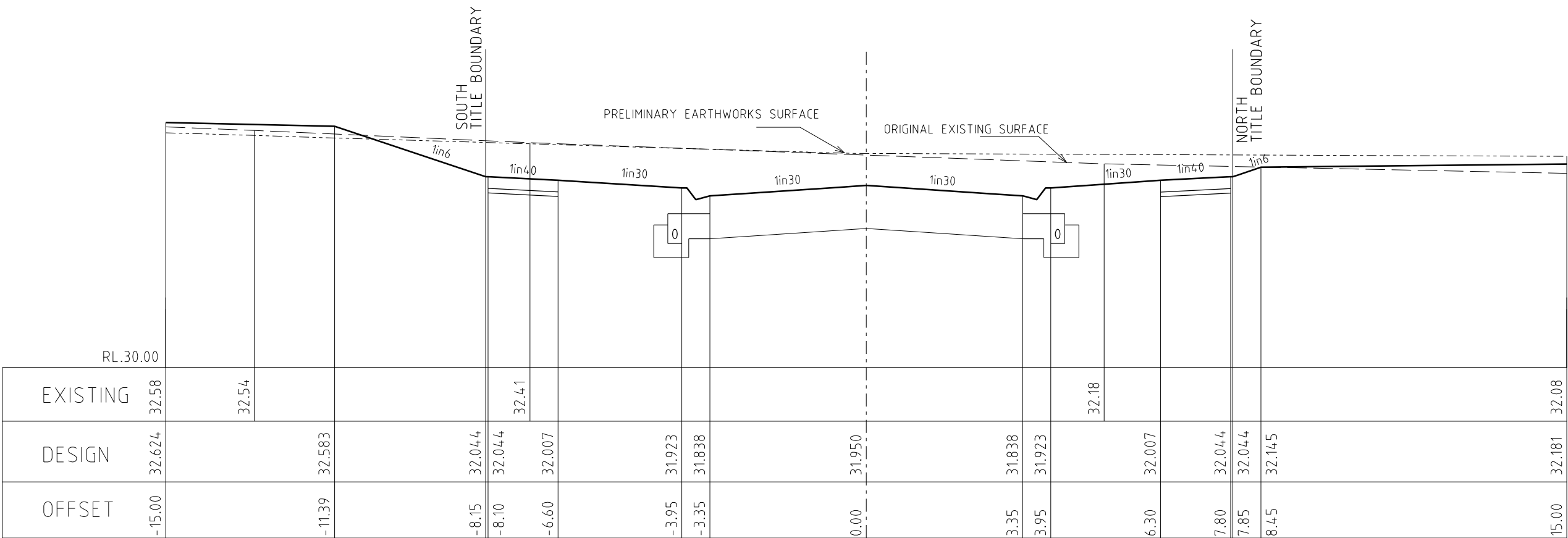
Date: 19/05/2017

DRAWING NO: R4932

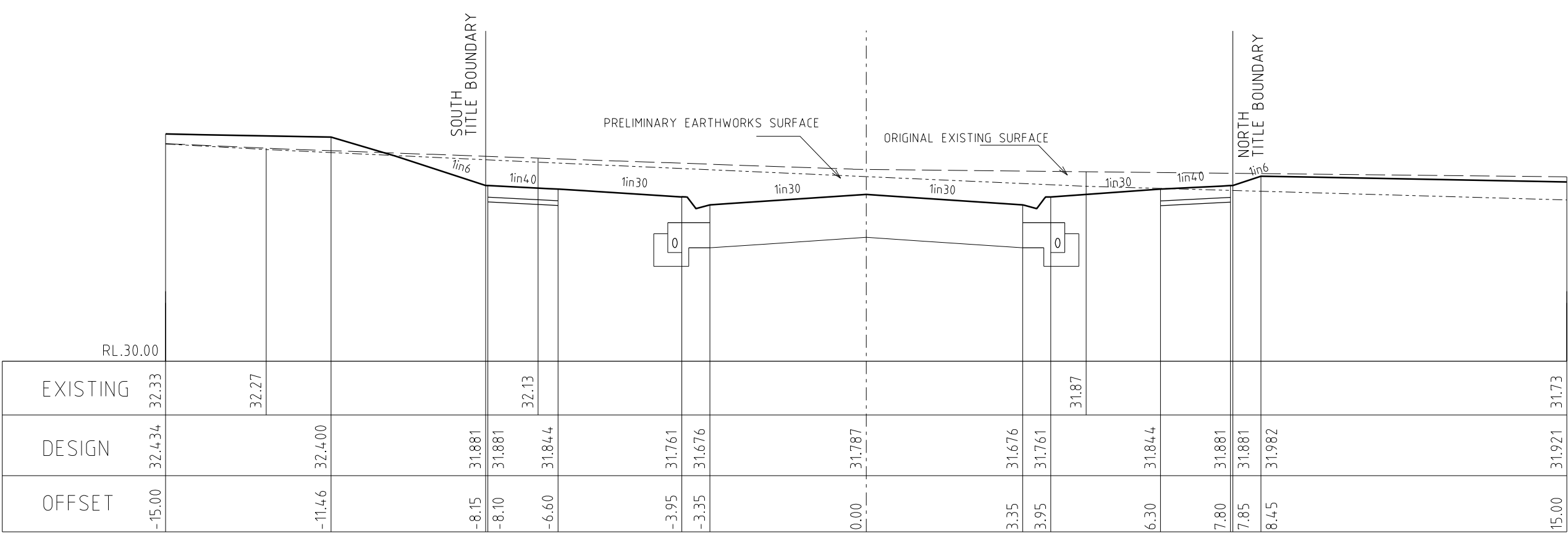
AMENDMENTS	A	19.05.2017	ISSUED FOR CONSTRUCTION		breese pitt dixon pty. ltd. land surveyors civil engineers			1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310					
				MELWAY REF.	I 31-C-12	MERIDIAN ESTATE STAGE 3			MUNICIPALITY				
			SURVEY	B.P.D.	CASEY								
			DESIGN	RK	REFERENCE								
			DRAWN	RK	8129 E/3								
VER.	DATE	REMARKS		CHECKED	SCALE	AS SHOWN	DATUM	AHD	DATE	OCT. 16	SHEET	12 OF 20	A



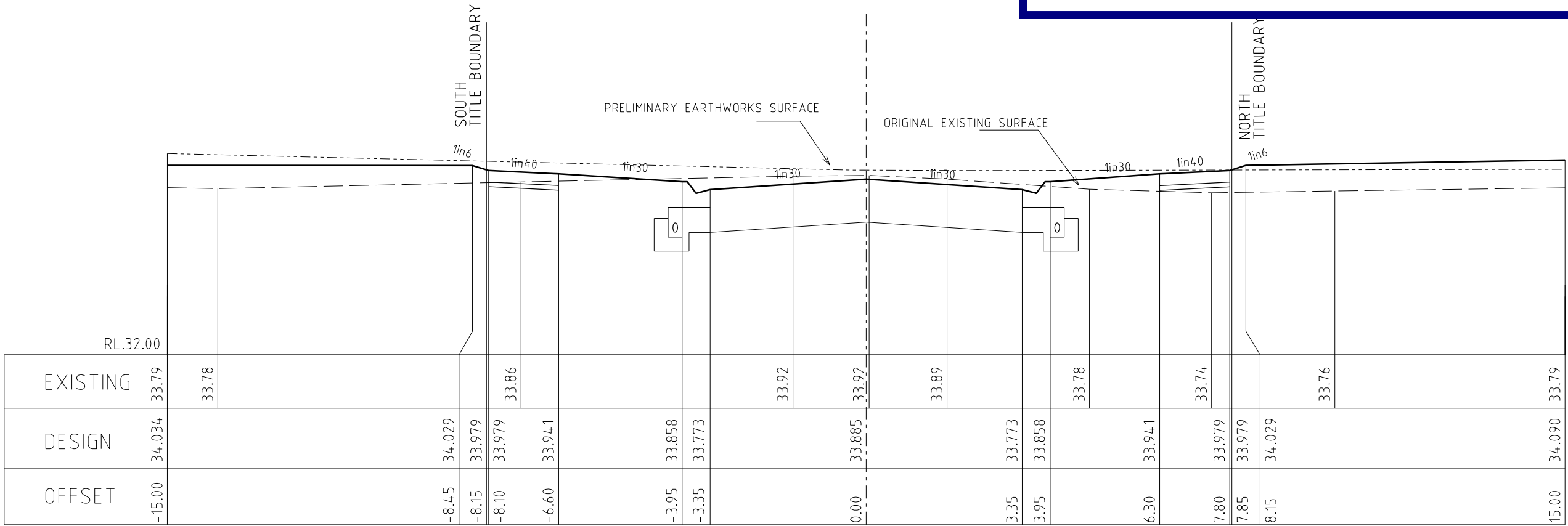
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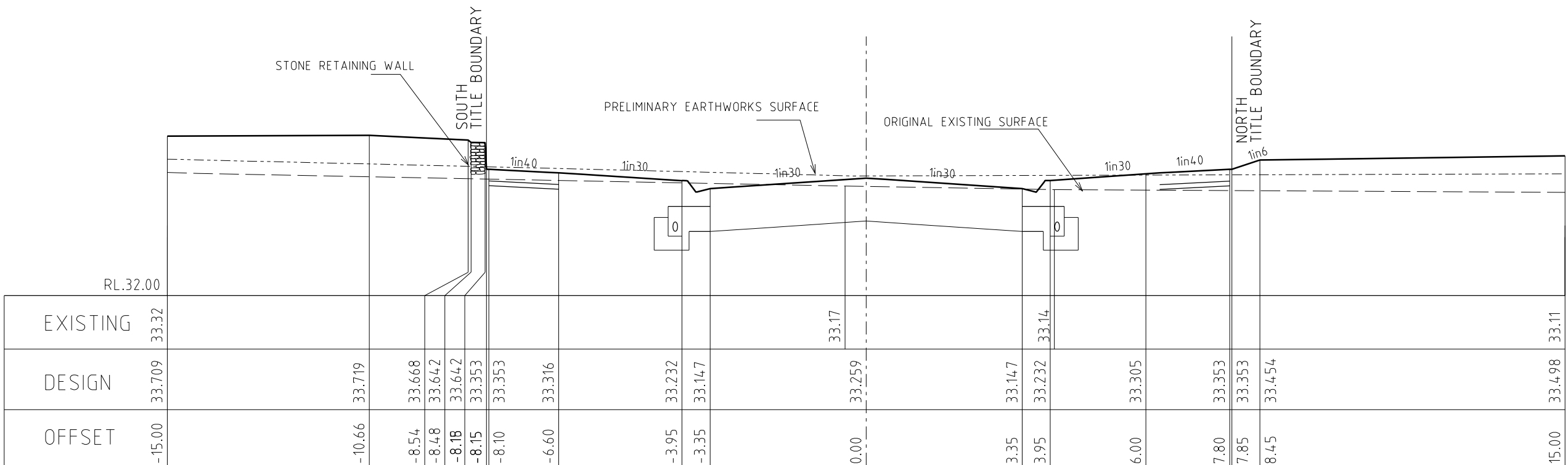
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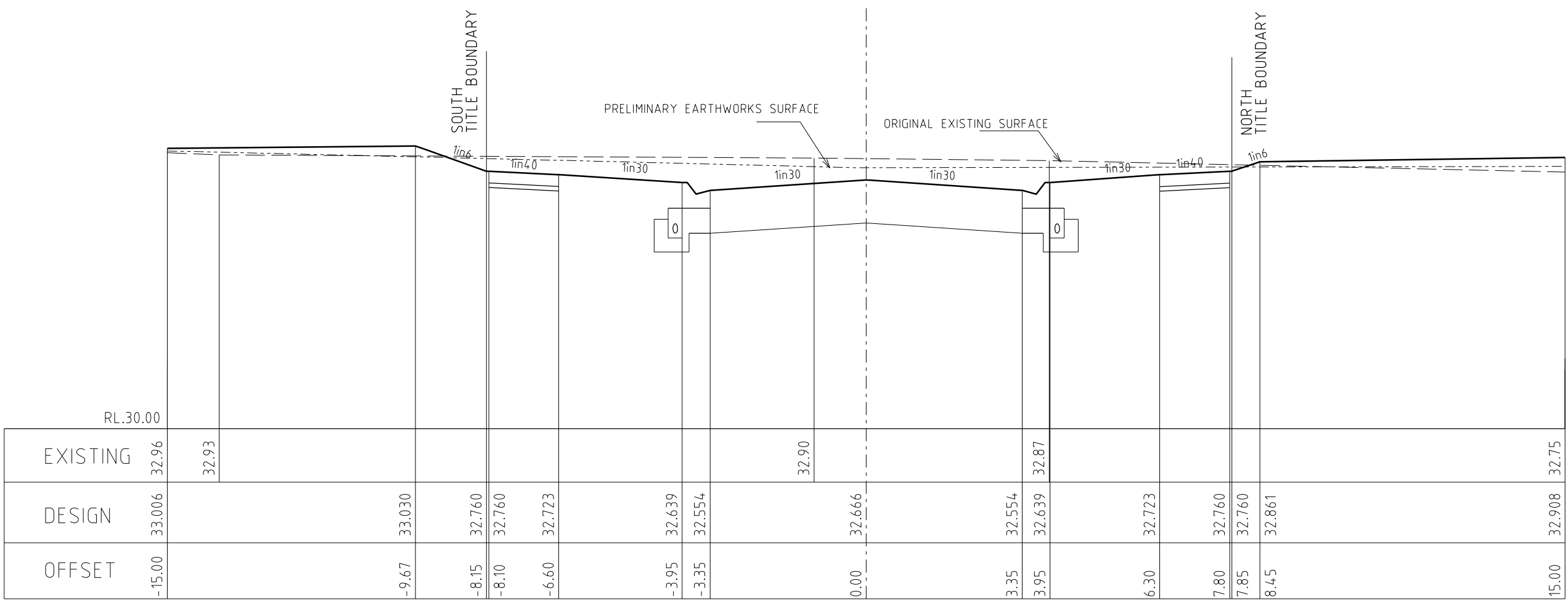
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200.07



171.87



147.97

COLONNADE STREET CROSS SECTIONS

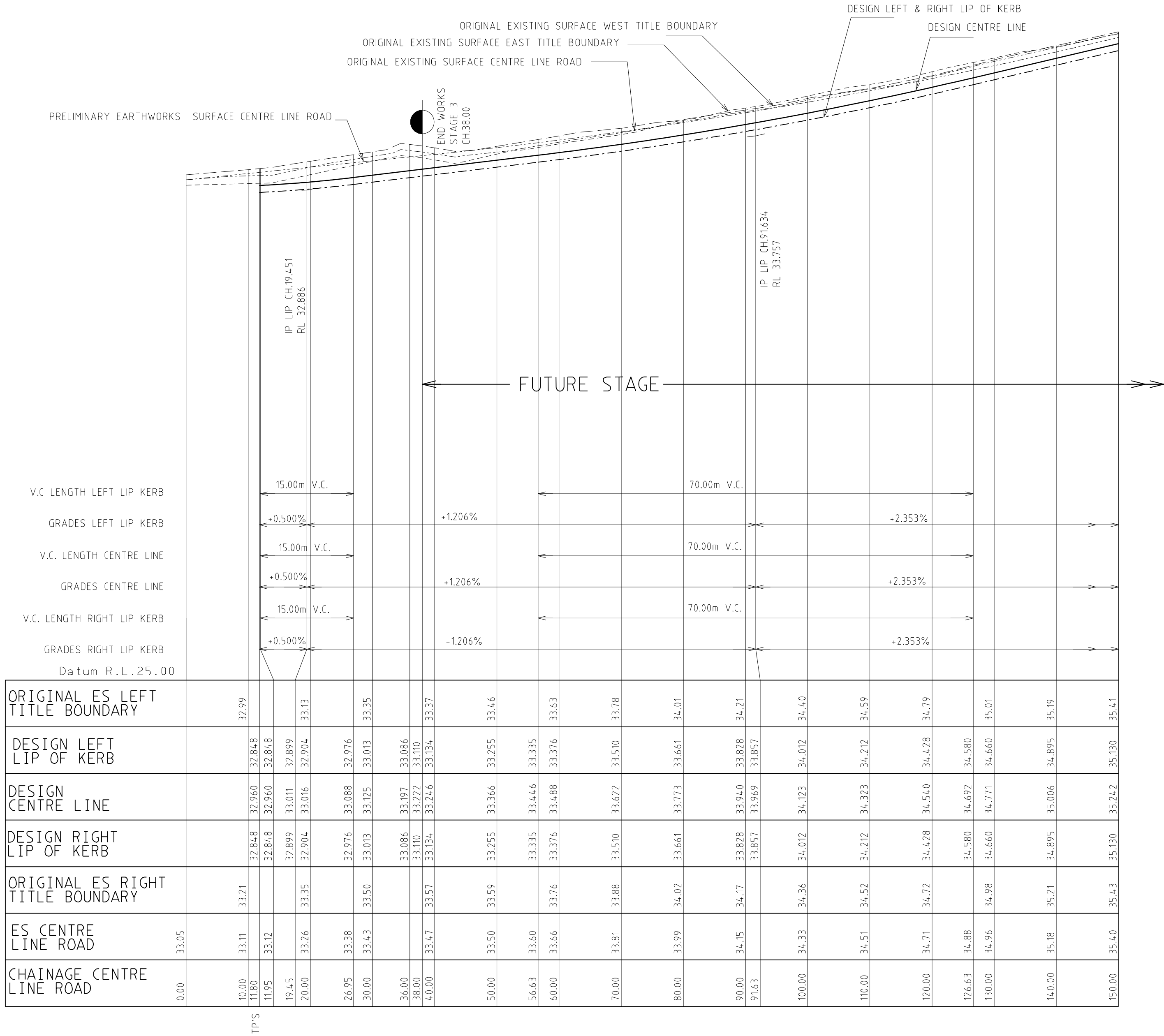
SCALE Hor. 1:100
Vert 1:50

AMENDMENTS	A	19.05.2017	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				
				MELWAY REF.	131-C-12		MERIDIAN ESTATE STAGE 3				MUNICIPALITY		
			SURVEY	B.P.D.		CASEY							
			DESIGN	RK		REFERENCE							
			DRAWN	RK		8129 E/3							
VER.	DATE	REMARKS		CHECKED	SCALE	AS SHOWN	DATUM	AHD	DATE	OCT. 16	SHEET	13 OF 20	A

City of Casey

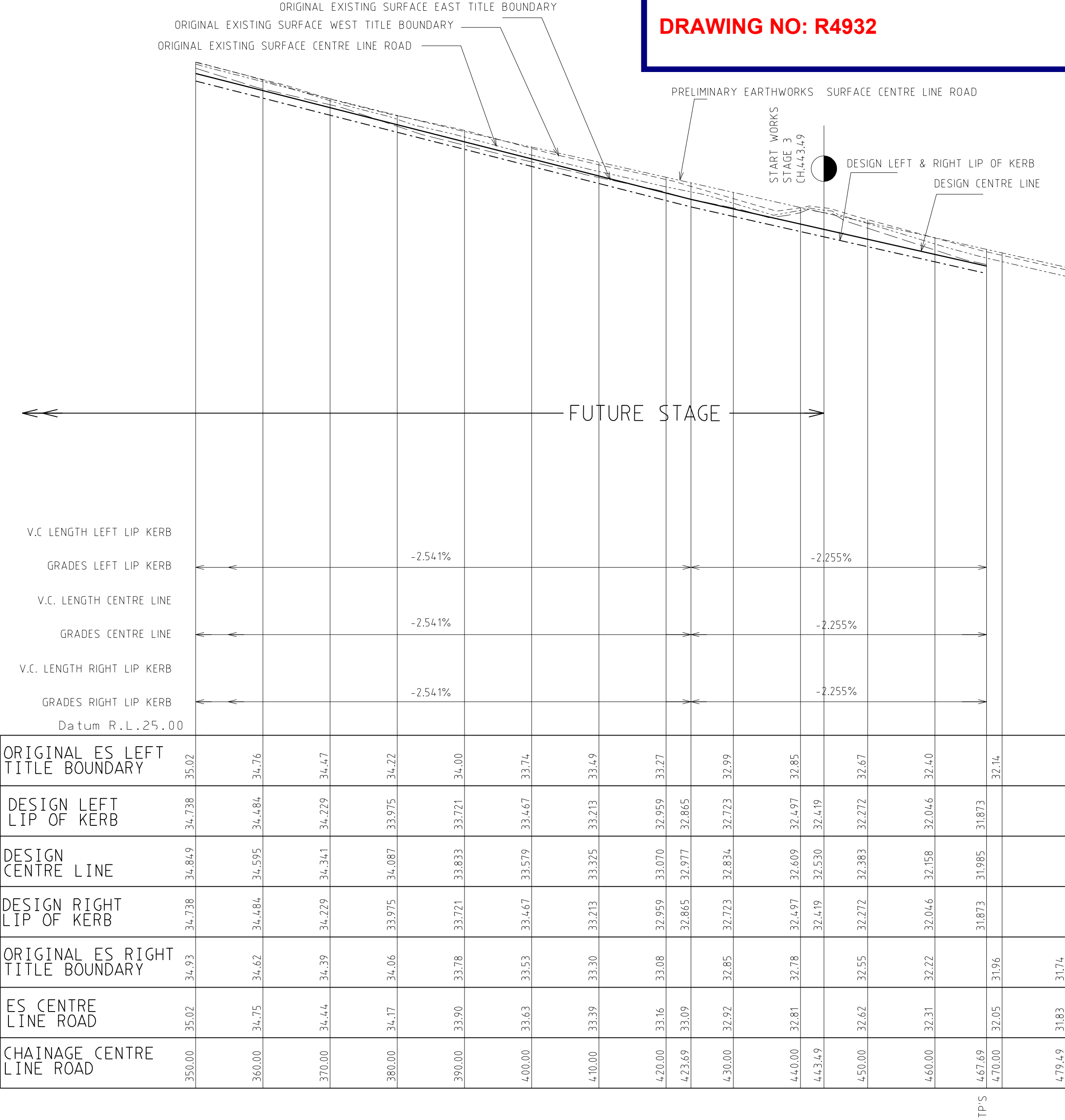
Approved By: Khurshedul Alam
File No: 103270.SC-03 & SEng00158/16
Date: 19/05/2017

DRAWING NO: R4932



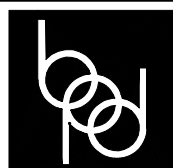
RATHBERRY CIRCUIT LONGITUDINAL SECTION

SCALE Hor. 1:500
Vert 1:50



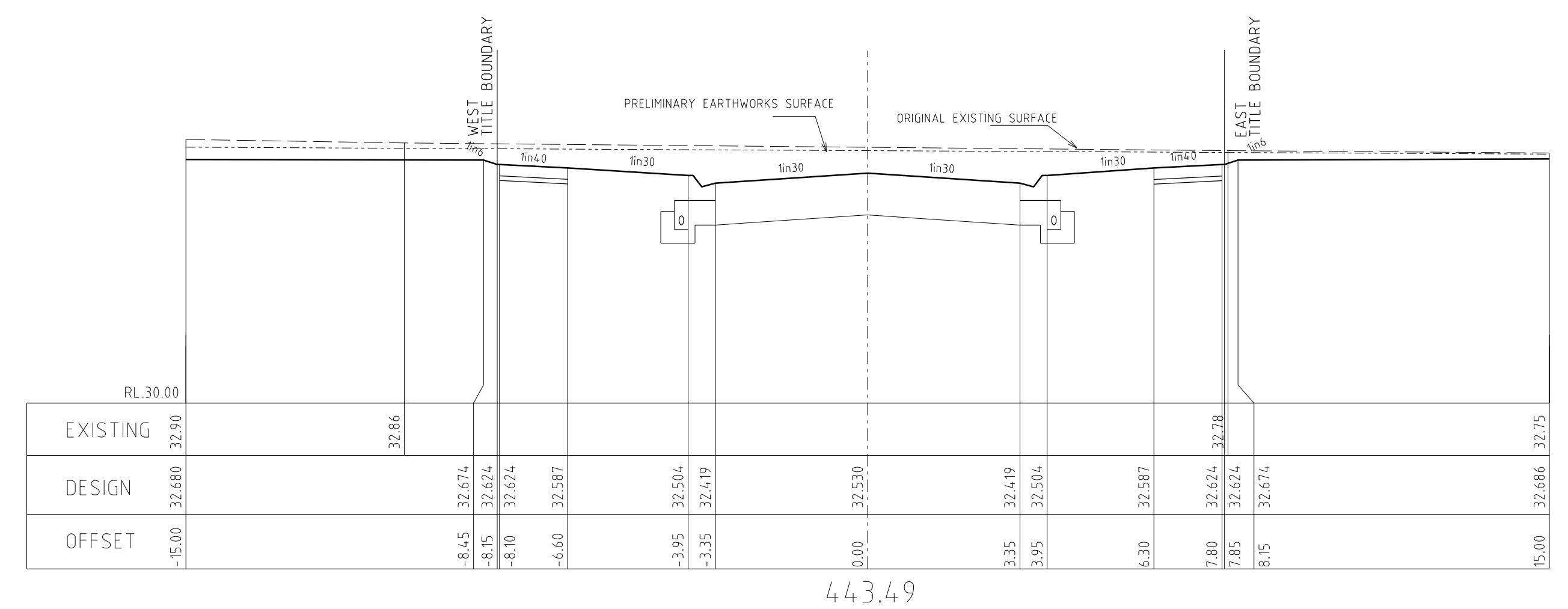
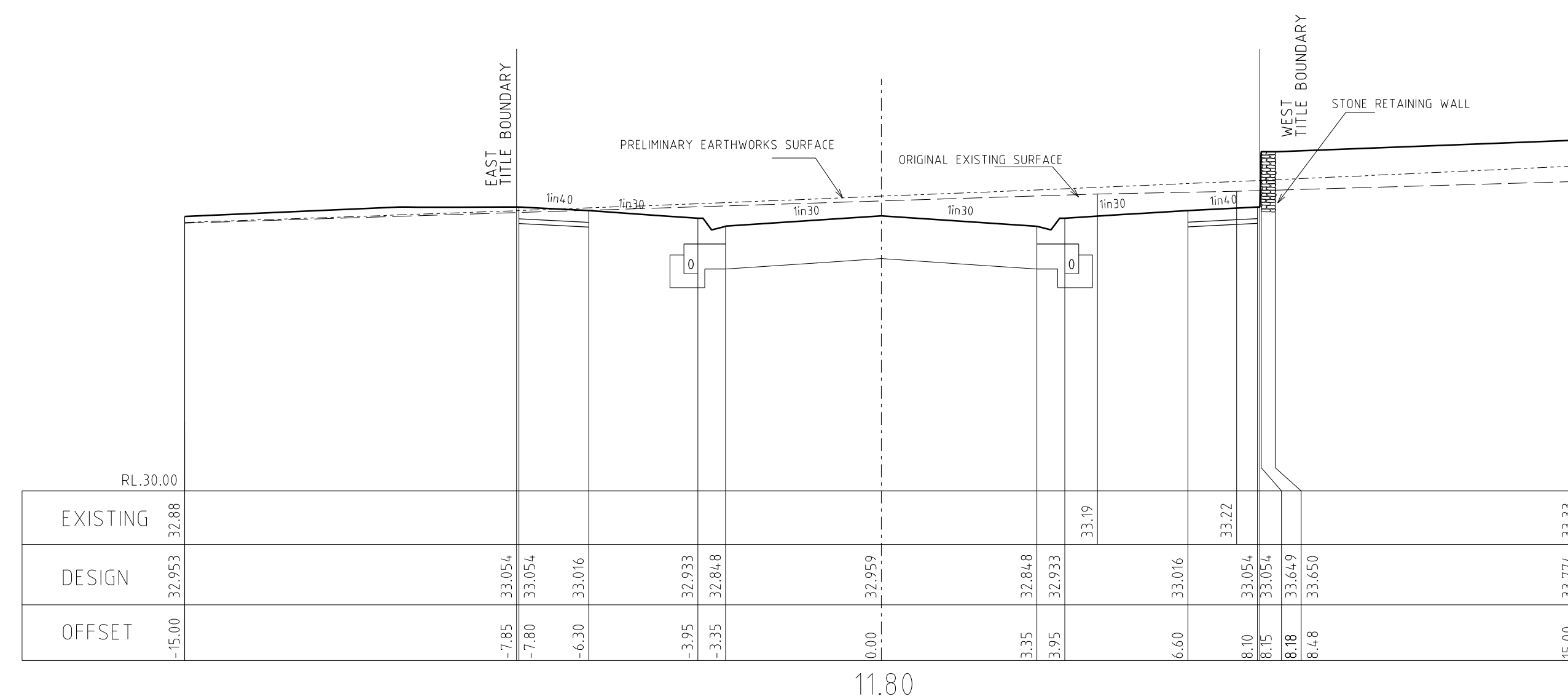
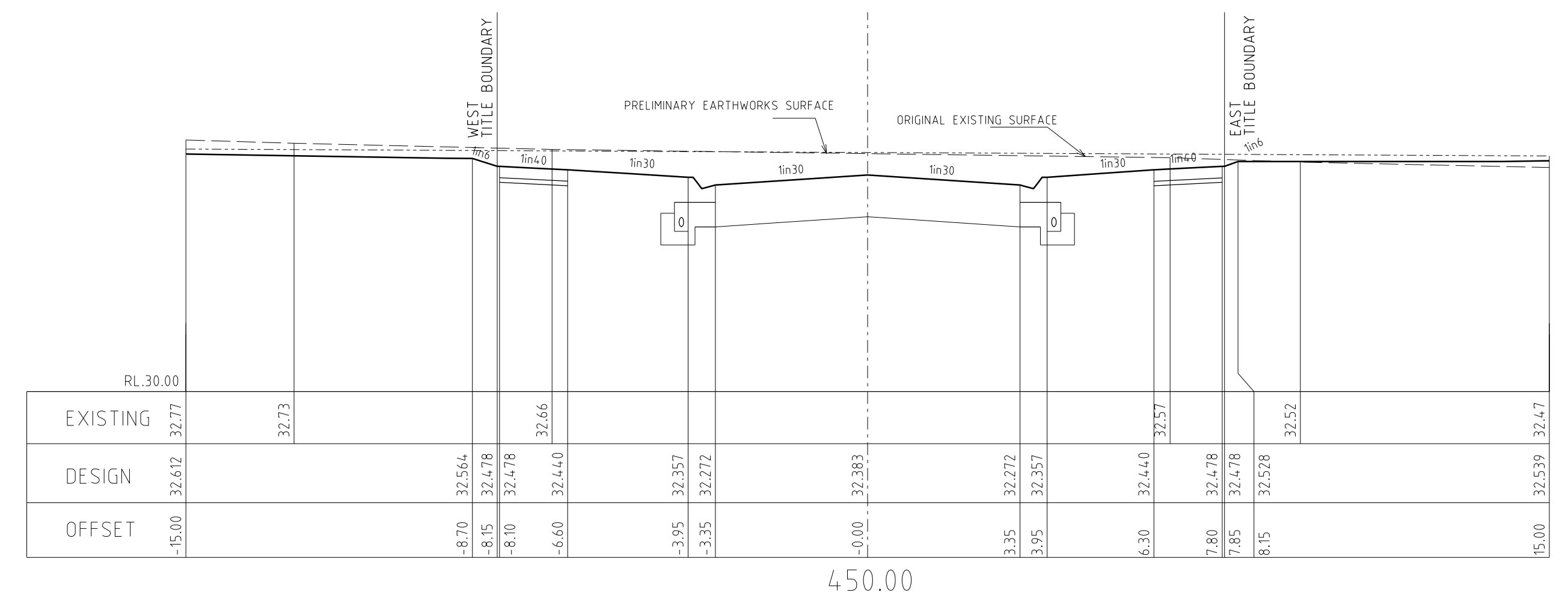
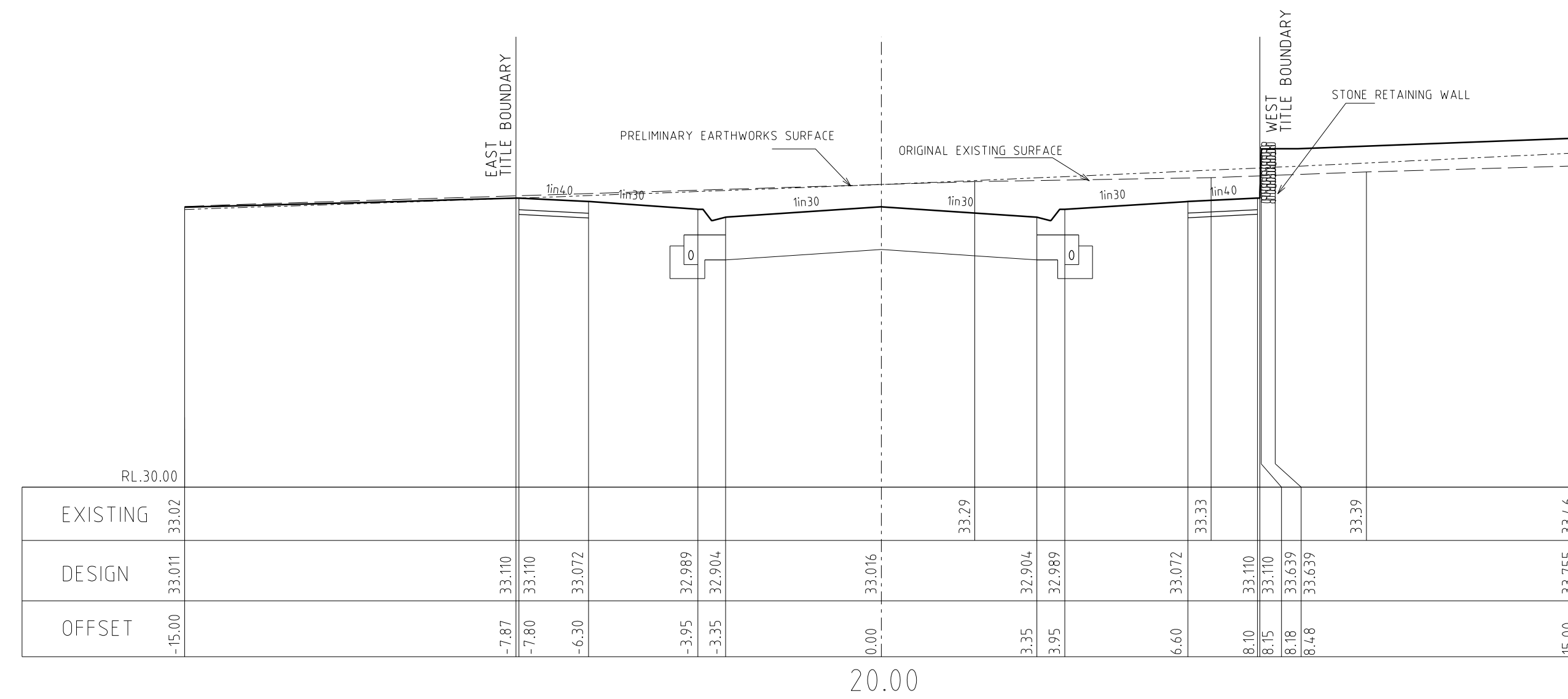
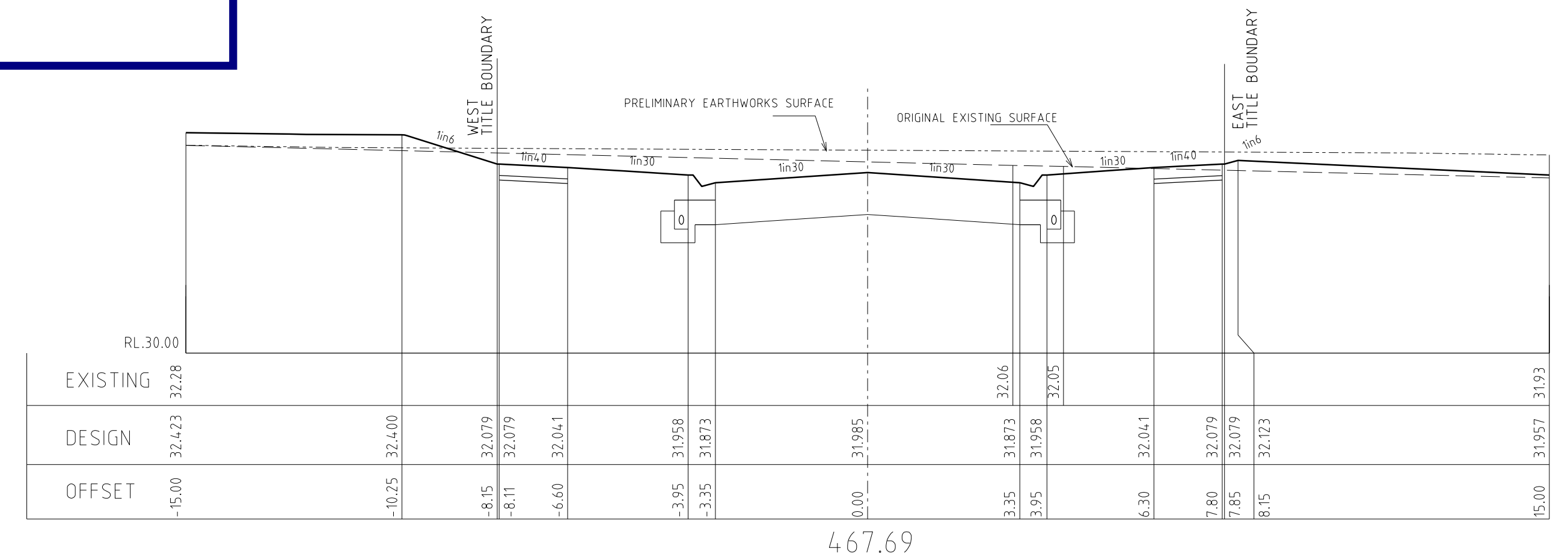
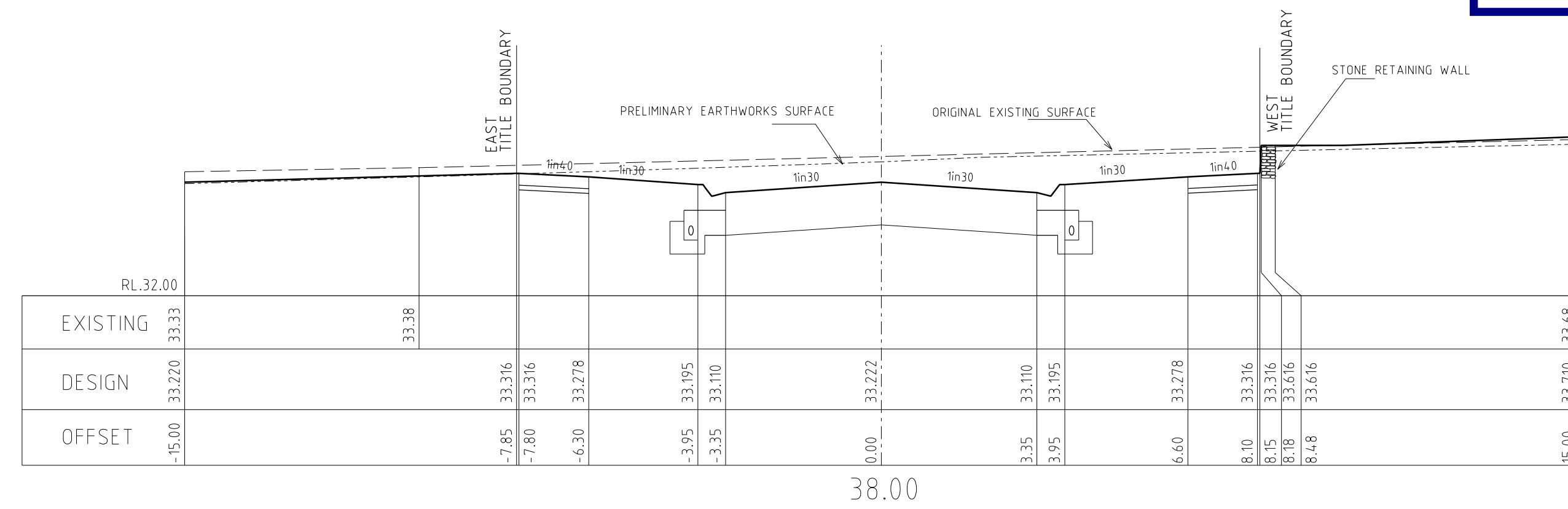
RATHBERRY CIRCUIT LONGITUDINAL SECTION

SCALE Hor. 1:500
Vert 1:50

AMENDMENTS	A	19.05.2017	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		
			MELWAY REF. 131-C-12	MERIDIAN ESTATE STAGE 3				MUNICIPALITY		
		SURVEY B.P.D.	CASEY							
		DESIGN RK	REFERENCE							
		DRAWN RK	8129 E/3							
VER.	DATE	REMARKS	CHECKED	SCALE AS SHOWN	DATUM AHD	DATE OCT. 16	SHEET 14 OF 20	A		

Approved By: Khurshedul Alam
File No: 103270.SC-03 & SEng00158/16
Date: 19/05/2017

DRAWING NO: R4932



RATHBERRY CIRCUIT CROSS SECTIONS

SCALE Hor. 1:100
 Vert 1:50

AMENDMENTS	A	19.05.2017	ISSUED FOR CONSTRUCTION		breese pitt dixon pty. ltd. land surveyors		civil engineers		1/19 coto street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310				
				MELWAY REF.	131-C-12	MERIDIAN ESTATE STAGE 3				MUNICIPALITY			
			SURVEY	B.P.D.	CASEY								
			DESIGN	RK	REFERENCE								
			DRAWN	RK	8129 E/3								
VER.	DATE	REMARKS		CHECKED	SCALE	AS SHOWN	DATUM	AHD	DATE	OCT. 16	SHEET	15 OF 20	A

Approved By: Khurshedul Alam
File No: 103270.SC-03 & SEng00158/16
Date: 19/05/2017

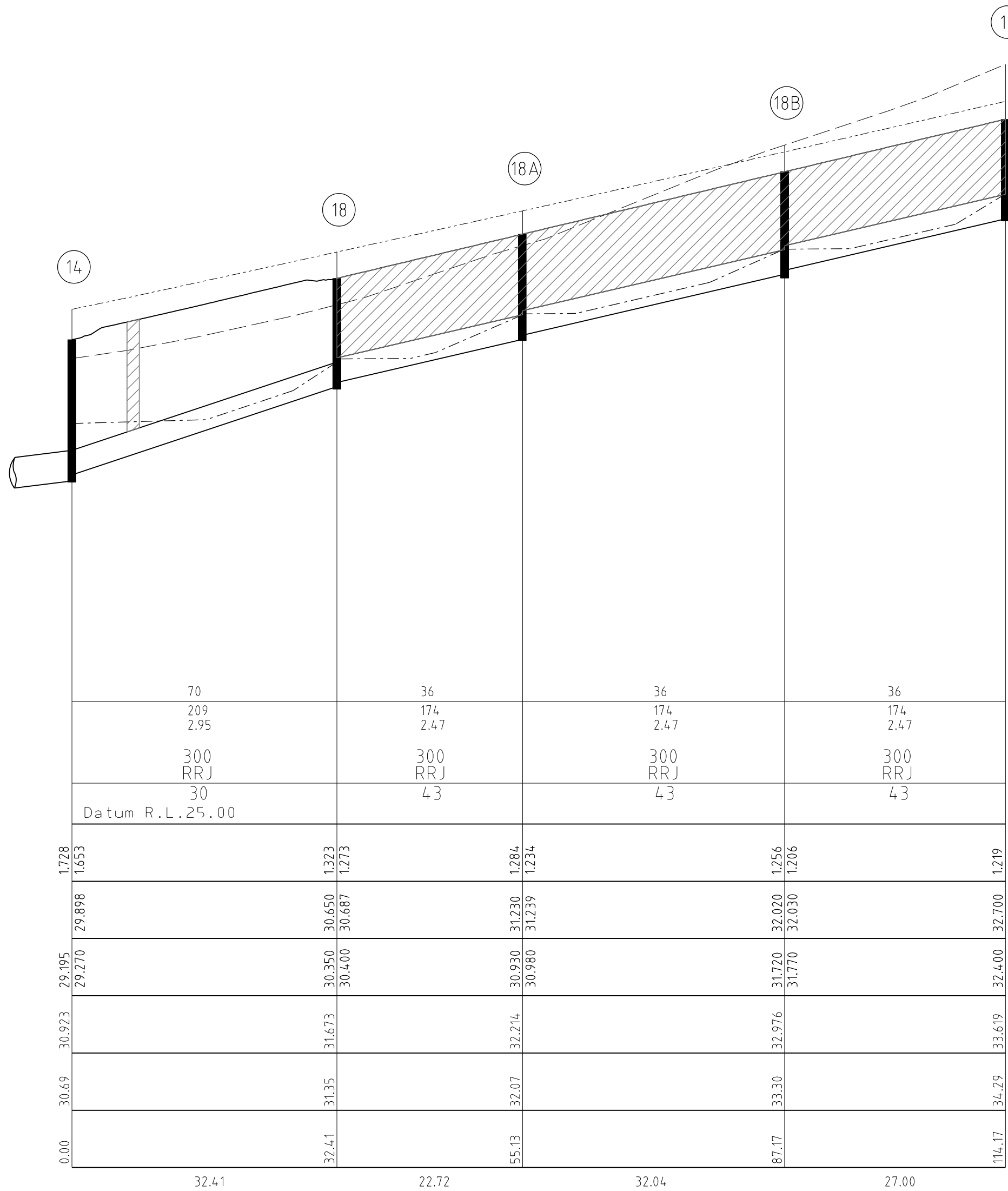
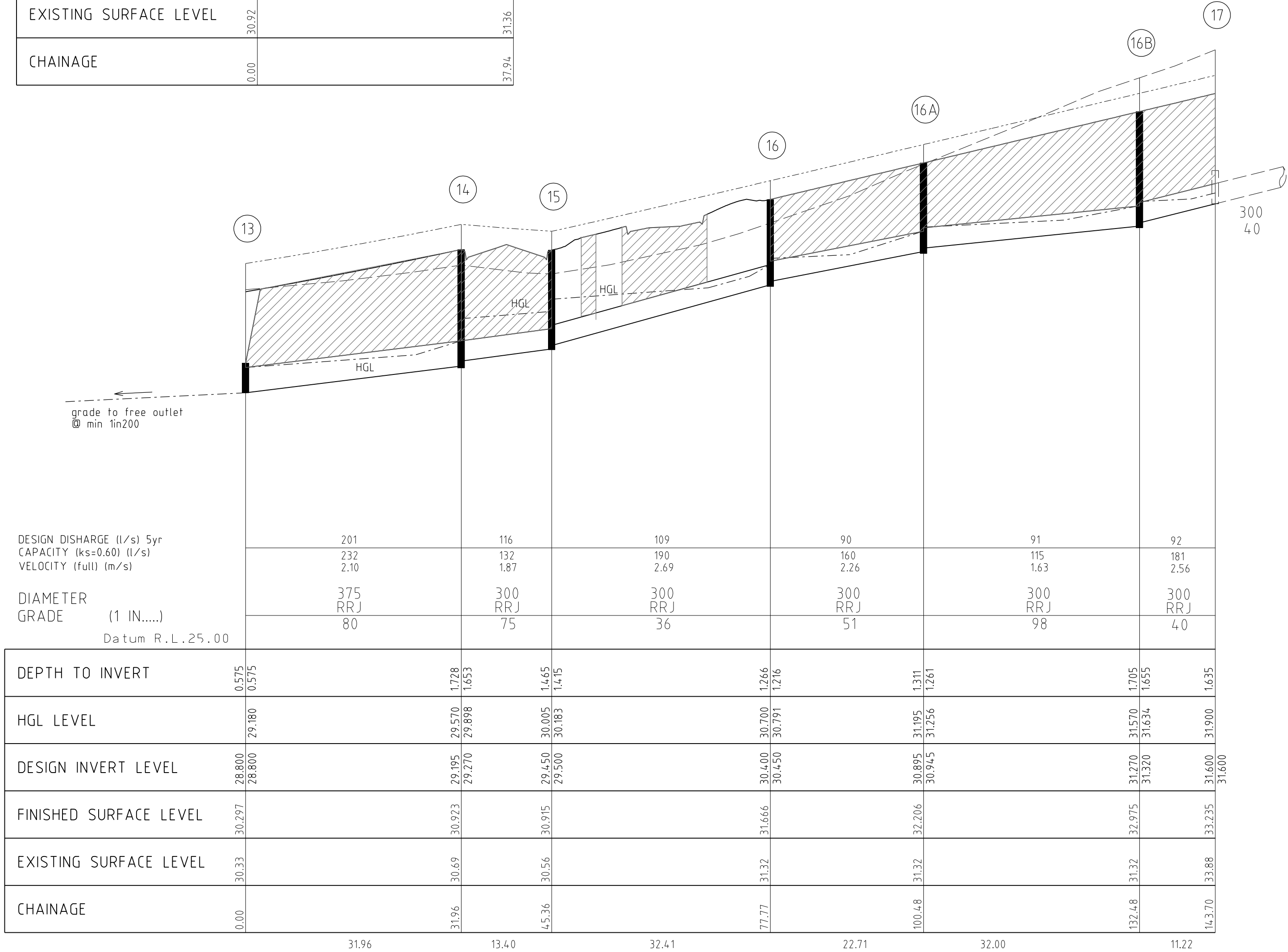
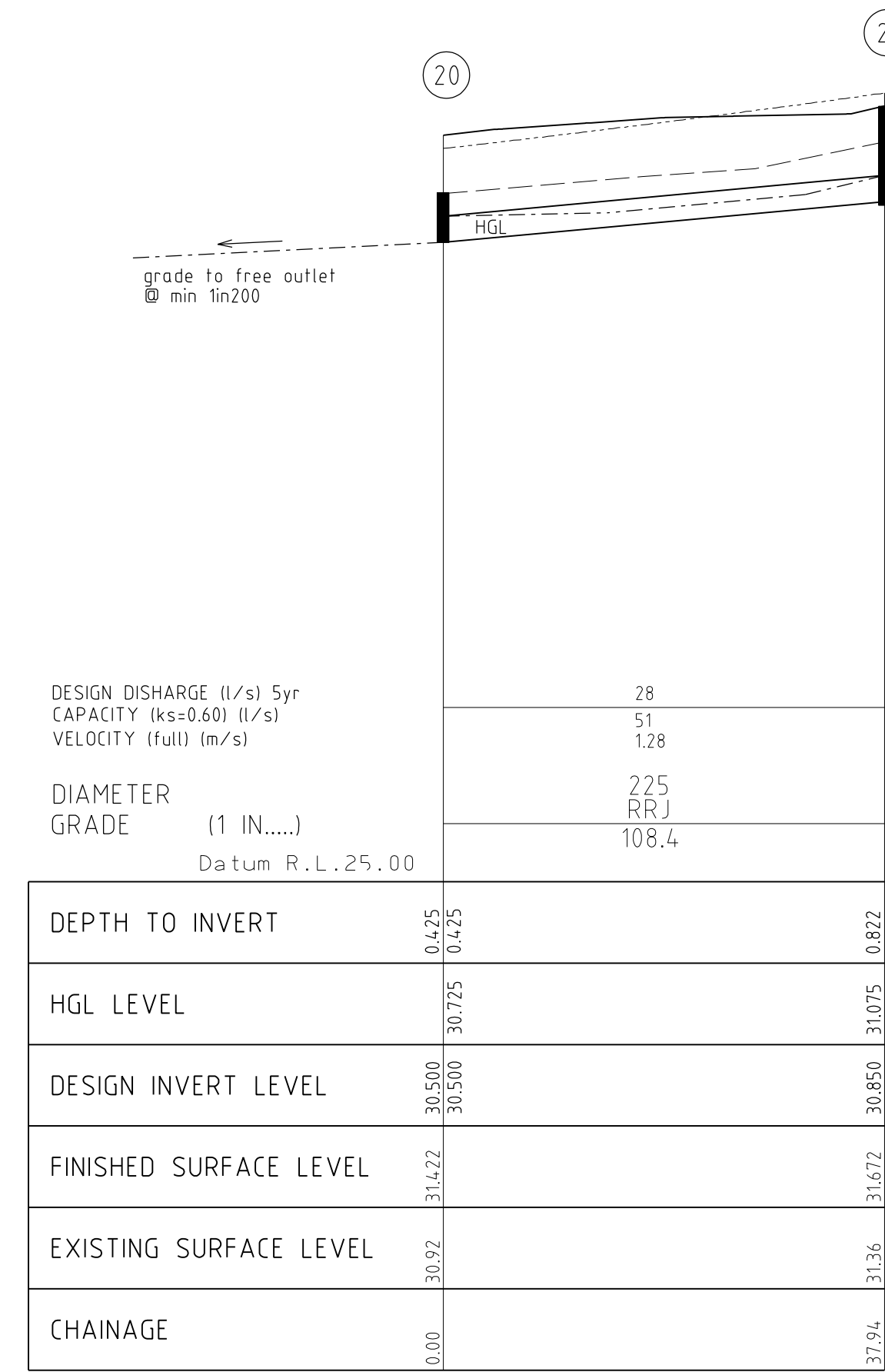
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29.660	31.798	32.316	32.316	32.340	32.603	34.106
28.250	30.400	30.716	30.802	30.900	31.200	32.700
28.550	30.450	31.082	31.184	31.315	31.500	33.000
0.500	30.450	31.082	31.184	31.315	31.500	33.000
	37.5	36.6	100	46.1	32.5	
	300 RRJ	EX300	EX300	300RRJ	300RRJ	
	2.64	2.67	1.62	2.38	2.84	
	187	189	114	168	200	
	129	94	89	34	18	
	37.5	36.6	100	46.1	32.5	
	300 RRJ	EX300	EX300	300RRJ	300RRJ	
	2.64	2.67	1.62	2.38	2.84	
	187	189	114	168	200	
	129	94	89	34	18	
	37.5	36.6	100	46.1	32.5	
	300 RRJ	EX300	EX300	300RRJ	300RRJ	
	2.64	2.67	1.62	2.38	2.84	
	187	189	114	168	200	
	129	94	89	34	18	
	37.5	36.6	100	46.1	32.5	
	300 RRJ	EX300	EX300	300RRJ	300RRJ	
	2.64	2.67	1.62	2.38	2.84	
	187	189	114	168	200	
	129	94	89	34	18	
	37.5	36.6	100	46.1	32.5	
	300 RRJ	EX300	EX300	300RRJ	300RRJ	
	2.64	2.67	1.62	2.38	2.84	
	187	189	114	168	200	
	129	94	89	34	18	
	37.5	36.6	100	46.1	32.5	
	300 RRJ	EX300	EX300	300RRJ	300RRJ	
	2.64	2.67	1.62	2.38	2.84	
	187	189	114	168	200	
	129	94	89	34	18	
	37.5	36.6	100	46.1	32.5	
	300 RRJ	EX300	EX300	300RRJ	300RRJ	
	2.64	2.67	1.62	2.38	2.84	
	187	189	114	168	200	
	129	94	89	34	18	
	37.5	36.6	100	46.1	32.5	
	300 RRJ	EX300	EX300	300RRJ	300RRJ	
	2.64	2.67	1.62	2.38	2.84	
	187	189	114	168	200	
	129	94	89	34	18	
	37.5	36.6	100	46.1	32.5	
	300 RRJ	EX300	EX300	300RRJ	300RRJ	
	2.64	2.67	1.62	2.38	2.84	
	187	189	114	168	200	
	129	94	89	34	18	
	37.5	36.6	100	46.1	32.5	
	300 RRJ	EX300	EX300	300RRJ	300RRJ	
	2.64	2.67	1.62	2.38	2.84	
	187	189	114	168	200	
	129	94	89	34	18	
	37.5	36.6	100	46.1	32.5	
	300 RRJ	EX300	EX300	300RRJ	300RRJ	
	2.64	2.67	1.62	2.38	2.84	

SCALE	Hor. 1:500
	Vert 1:50

grade to free outlet
@ min 1in200

Station	7	8	9	10	11	12
94	70	64	54	37		
163	217	71	168	201		
2.30	3.07	1.00	2.38	2.85		
300RRJ	300RRJ	300RRJ	300RRJ	300RRJ		
49.4	27.8	260	46.1	32.18		
Datum R.L. 25.00						
0.500	0.500					
28.300	28.600	28.300	28.300	28.300	28.300	28.300
29.658	29.658	29.658	29.658	29.658	29.658	29.658
29.65	29.65	29.65	29.65	29.65	29.65	29.65
0.00	0.00	0.00	0.00	0.00	0.00	0.00
39.52	11.52	8.80	11.53	90.10		

D:\convert\F3_R16_DRM1_NO_REF.DCI



STORMWATER DRAINAGE LONGITUDINAL SECTIONS

SCALE Hor. 1:500
Vert 1:50

/// DENOTES CRUSHED ROCK BACKFILL



breese pitt dixon pty. ltd.
land surveyors civil engineers

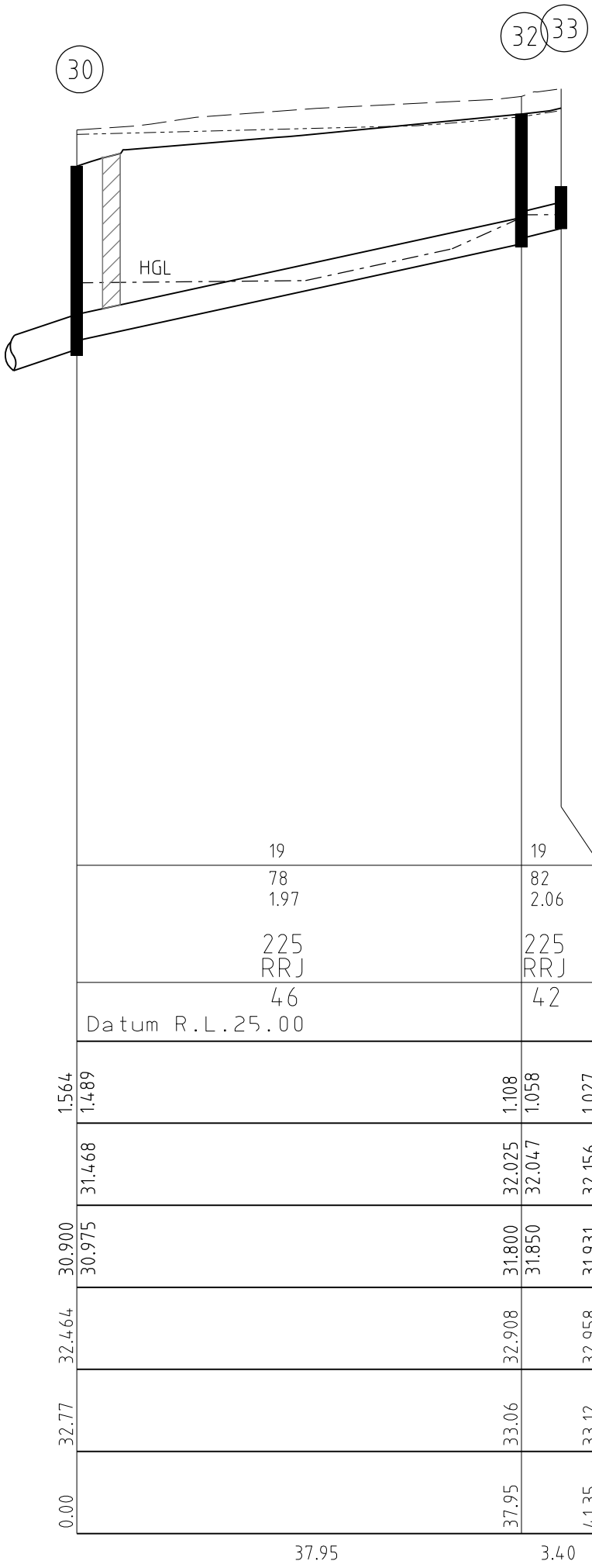
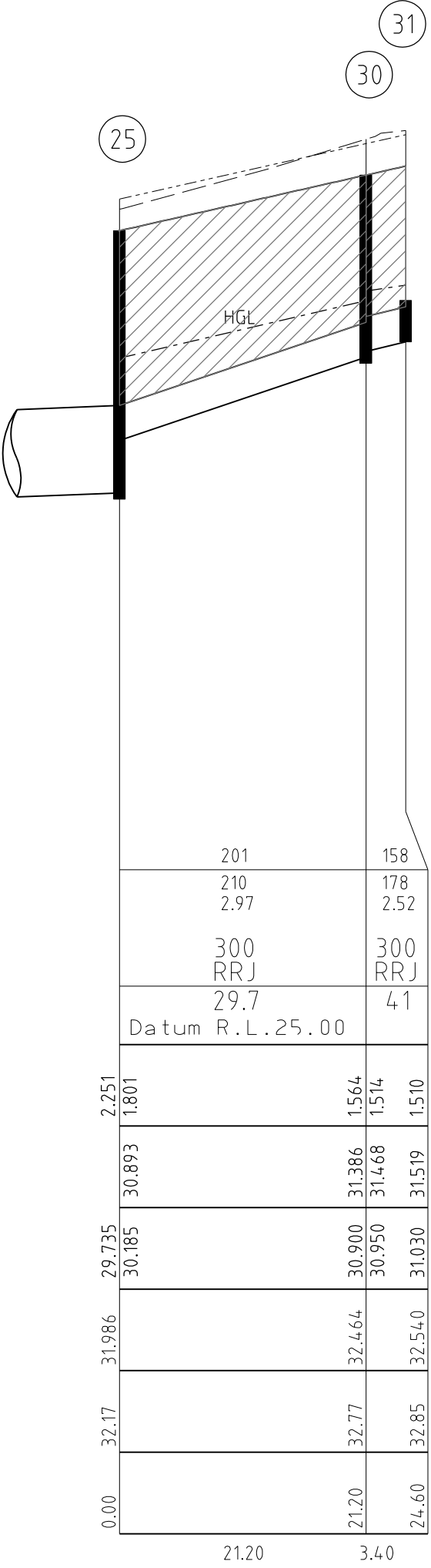
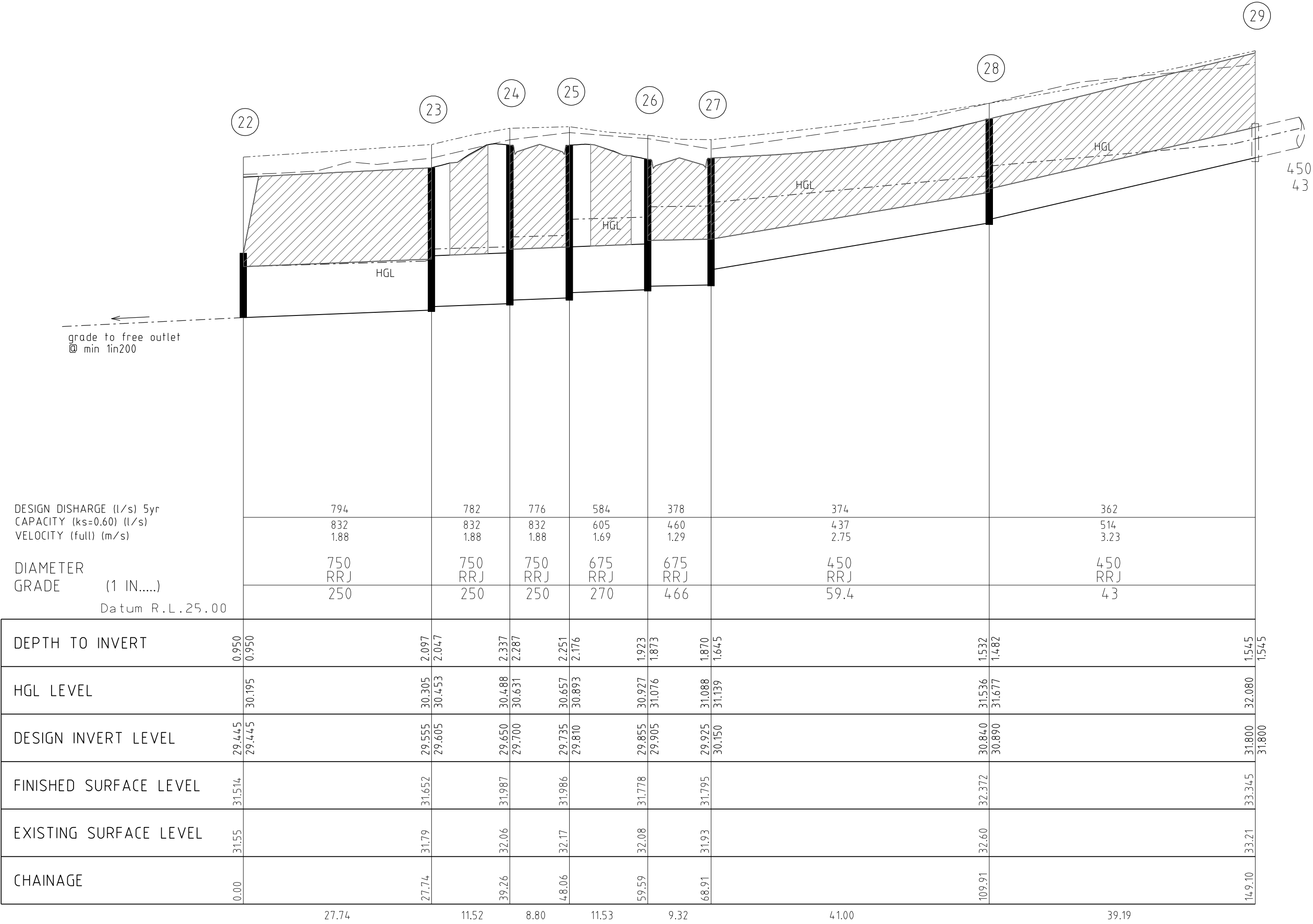
1/19 cato street
hawthorn east, 3123
telephone 8823 2300
fax no. 8823 2310

AMENDMENTS	A	19.05.2017	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				
					MELWAY REF.	131-C-12				MUNICIPALITY			
					SURVEY	B.P.D.				CASEY			
					DESIGN	RK				REFERENCE			
			DRAWN	RK				8129 E/3					
VER.	DATE	REMARKS		CHECKED	SCALE	AS SHOWN	DATUM	AHD	DATE	OCT. 16	SHEET	17 OF 20	A

City of Casey

Approved By: Khurshedul Alam
File No: 103270.SC-03 & SEng00158/16
Date: 19/05/2017

DRAWING NO: R4932



STORMWATER DRAINAGE LONGITUDINAL SECTIONS

SCALE Hor. 1:500
Vert 1:50

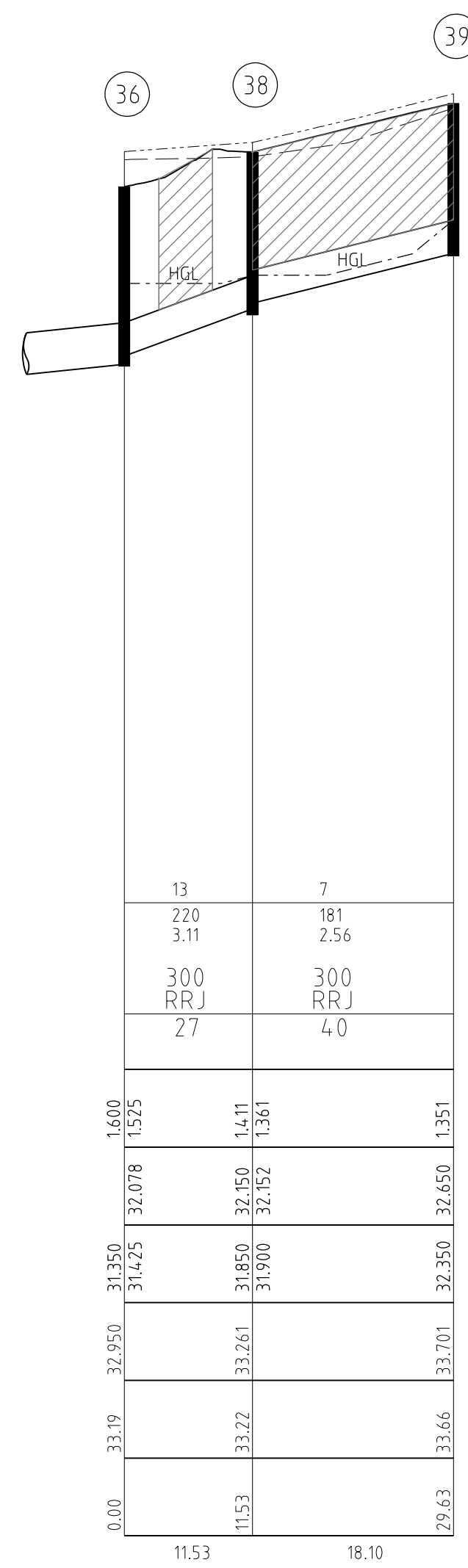
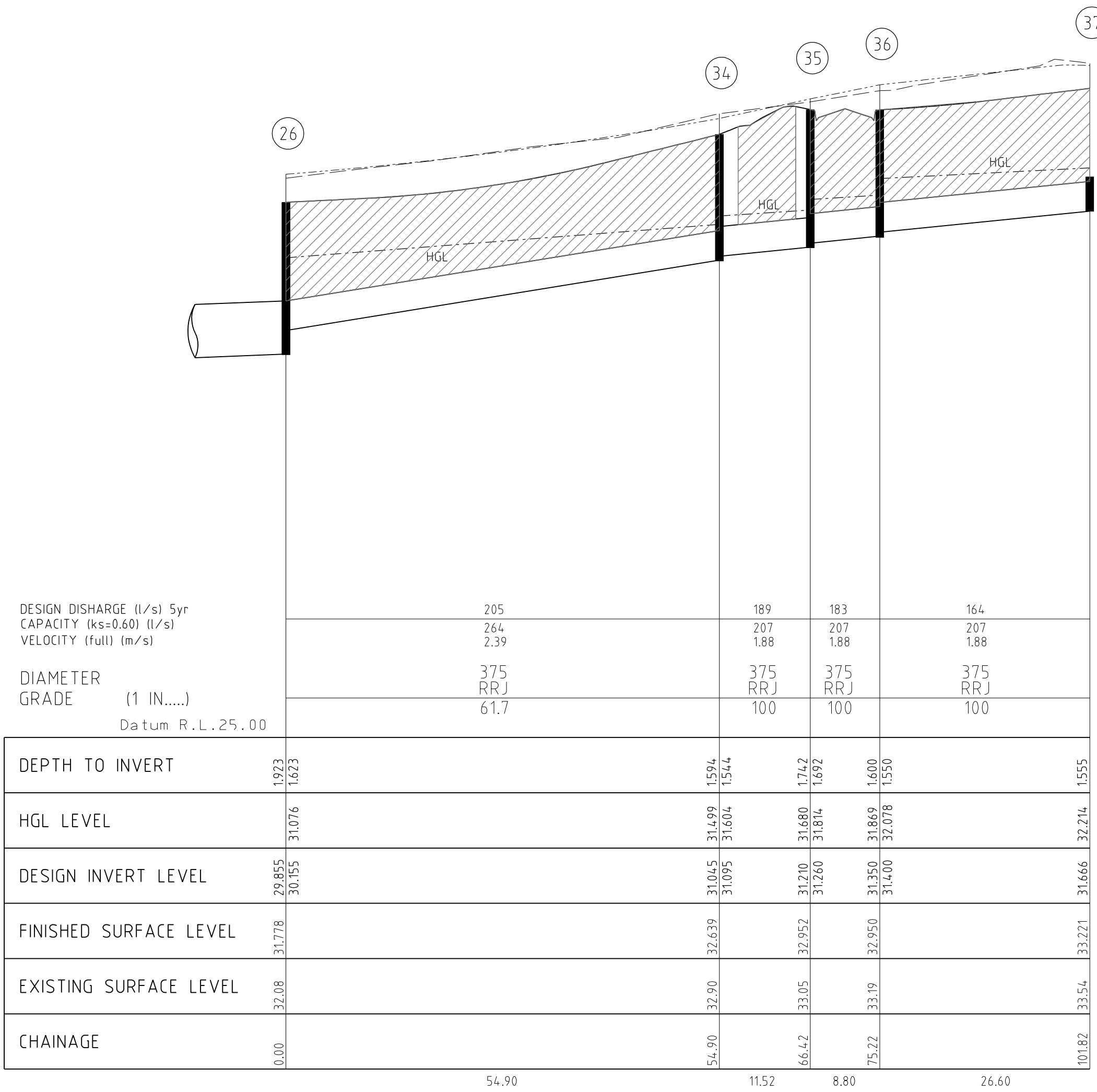
Denotes Crushed Rock Backfill

AMENDMENTS	A	19.05.2017	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					
				MELWAY REF.	131-C-12				MERIDIAN ESTATE STAGE 3				MUNICIPALITY	
			SURVEY	B.P.D.				CASEY						
			DESIGN	RK				REFERENCE						
			DRAWN	RK				8129 E/3						
VER.	DATE	REMARKS		CHECKED	SCALE	AS SHOWN	DATUM	AHD	DATE	OCT. 16	SHEET	18 OF 20	A	

City of Casey

Approved By: Khurshedul Alam
File No: 103270.SC-03 & SEng00158/16
Date: 19/05/2017

DRAWING NO: R4932



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	Temp. E.W.	-x-	300	28.250	-	28.250	28.750	0.500	TEMPORARY SANDBAG ENDWALL
2	J.P.	900x600	Ex300	30.450	300	30.400	31.798	1.398	EDCM 605
3	G.S.E.P.	900x600	Ex300	30.812	Ex300	30.762	32.316	1.552	EDCM 603/605 REMOVE TEMP. COVER CONSTRUCT PIT TO FINISHED SURFACE LEVEL
4	G.S.E.P.	900x600	Ex300	30.950	Ex300	30.900	32.340	1.440	EDCM 603/605 REMOVE TEMP. COVER CONSTRUCT PIT TO FINISHED SURFACE LEVEL. CONNECT NEW 300 DIA.
5	G.S.E.P.	900x600	300	32.250	300	32.200	32.603	1.403	EDCM 603/605
6	J.P.	900x600	-	-	300	32.700	34.106	1.406	EDCM 605
7	Temp. E.W.	-x-	300	28.300	-	28.300	28.800	0.500	TEMPORARY SANDBAG ENDWALL
8	J.P.	900x600	300	29.150	300	29.100	30.626	1.526	EDCM 605
9	G.S.E.P.	900x600	300	29.615	300	29.565	31.041	1.476	EDCM 603/605
10	G.S.E.P.	900x600	300	29.700	300	29.650	31.039	1.389	EDCM 603/605
11	G.S.E.P.	900x600	300	30.000	300	29.950	31.296	1.346	EDCM 603/605
12	J.P.	900x600	-	-	300	32.800	34.160	1.360	EDCM 605
13	Temp. E.W.	-x-	375	28.800	-	28.800	29.375	0.575	TEMPORARY SANDBAG ENDWALL
14	J.P.	900x600	300	29.270	375	29.195	30.923	1.728	EDCM 605
15	J.P.	900x600	300	29.500	300	29.450	30.915	1.465	EDCM 605
16	G.S.E.P.	900x600	300	30.450	300	30.400	31.666	1.266	EDCM 603/605
16A	G.S.E.P.	900x600	300	30.945	300	30.895	32.206	1.311	EDCM 603/605
16B	G.S.E.P.	900x600	300	31.320	300	31.270	32.975	1.705	EDCM 603/605
17	ExTemp E.W.	-x-	Ex300	31.600	300	31.600	33.235	1.635	REMOVE TEMPORARY SANDBAG ENDWALL AND CONNECT PIPE
18	G.S.E.P.	900x600	300	30.400	300	30.350	31.673	1.323	EDCM 603/605
18A	G.S.E.P.	900x600	300	30.980	300	30.930	32.214	1.284	EDCM 603/605
18B	G.S.E.P.	900x600	300	31.770	300	31.720	32.976	1.256	EDCM 603/605
19	J.P.	900x600	-	-	300	32.300	33.619	1.319	EDCM 605
20	Temp. E.W.	-x-	225	30.500	-	30.500	30.925	0.425	TEMPORARY SANDBAG ENDWALL
21	J.P.	900x600	-	-	225	30.850	31.672	0.822	EDCM 605
22	Temp. E.W.	-x-	750	29.445	-	29.445	30.395	0.950	TEMPORARY SANDBAG ENDWALL
23	J.P.	S 900x600 H 900x900	750	29.605	750	29.555	31.652	2.097	EDCM 605 HAUNCH PIT EDCM 607
24	G.S.E.P.	S 900x600 H 900x900	750	29.700	750	29.650	31.987	2.337	EDCM 603/605 HAUNCH PIT EDCM 607
25	G.S.E.P.	S 900x600 H 900x900	675	29.810	750	29.735	31.986	2.251	EDCM 603/605 HAUNCH PIT EDCM 607
26	G.S.E.P.	S 900x600 H 900x900	300	30.185					
			675	29.905	675	29.855	31.778	1.923	EDCM 603/605 HAUNCH PIT EDCM 607
			375	30.155					
27	G.S.E.P.	S 900x600 H 900x750	450	30.150	675	29.925	31.795	1.870	EDCM 603/605 HAUNCH PIT EDCM 607
28	J.P.	900x600	450	30.890	450	30.840	32.372	1.532	EDCM 605
29	ExTemp E.W.	-x-	Ex450	31.800	450	31.800	33.345	1.545	REMOVE TEMPORARY SANDBAG ENDWALL AND CONNECT PIPE
30	J.P.	900x600	300	30.950	300	30.900	32.464	1.564	EDCM 605
			225	30.975					
31	END PIPE	-x-	-	-	300	31.030	32.540	1.510	SEAL END OF PIPE FOR FUTURE CONNECTION
32	J.P.	900x600	225	31.850	225	31.850	32.908	1.108	EDCM 605
33	END PIPE	-x-	-	-	225	31.931	32.958	1.027	SEAL END OF PIPE FOR FUTURE CONNECTION
34	J.P.	900x600	375	31.095	375	31.095	32.639	1.594	EDCM 605
35	G.S.E.P.	900x600	375	31.260	375	31.210	32.952	1.742	EDCM 603/605
36	G.S.E.P.	900x600	375	31.400	375	31.350	32.950	1.600	EDCM 603/605
			300	31.425					
37	END PIPE	-x-	-	-	375	31.666	33.221	1.555	SEAL END OF PIPE FOR FUTURE CONNECTION
38	J.P.	900x600	300	31.900	300	31.850	33.261	1.411	EDCM 605
39	J.P.	900x600	-	-	300	32.650	33.701	1.351	EDCM 605

STORMWATER DRAINAGE LONGITUDINAL SECTIONS

SCALE Hor. 1:500
Vert 1:50

███ DENOTES CRUSHED ROCK BACKFILL

AMENDMENTS

VER. DATE

19.05.2017

ISSUED FOR CONSTRUCTION

131-C-12

B.P.D.

RK

RK

CHECKED

SCALE AS SHOWN

DATUM AHD

DATE OCT. 16

SHEET 19 OF 20

A

breese pitt dixon pty. ltd.
land surveyors
civil engineers

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

MERIDIAN ESTATE
STAGE 3

MUNICIPALITY CASEY
REFERENCE 8129 E/3

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

DATE OCT. 16

SHEET 19 OF 20

A



- 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 DEGAUR 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)

B

ROAD
CLOSED

G9-20

C

D4-5

D

GIVE
WAY

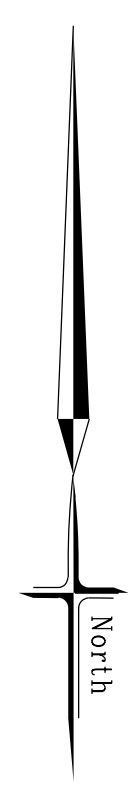
R1-2

E

W5-10

F

W3-4



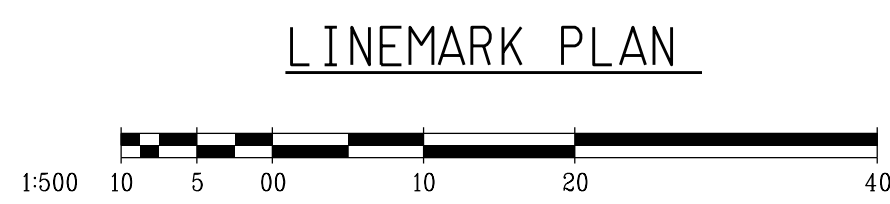
City of Casey

Approved By: Khurshedul Alam

File No: 103270.SC-03 & SEng00158/16

Date: 19/05/2017

DRAWING NO: R4932



AMENDMENTS	A	19.05.2017	ISSUED FOR CONSTRUCTION		breese pitt dixon pty. ltd. land surveyors civil engineers				1/19 coto street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310				
	B	19.05.2017	ISSUED FOR CONSTRUCTION										
				MELWAY REF.	131-C-12				MUNICIPALITY CASEY REFERENCE 8129 ^E / ₃				
				SURVEY	B.P.D.								
				DESIGN	RK								
				DRAWN	RK								
VER.	DATE	REMARKS		CHECKED	SCALE	AS SHOWN	DATUM	AHD	DATE	OCT. 16	SHEET	20 OF 20	B