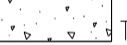
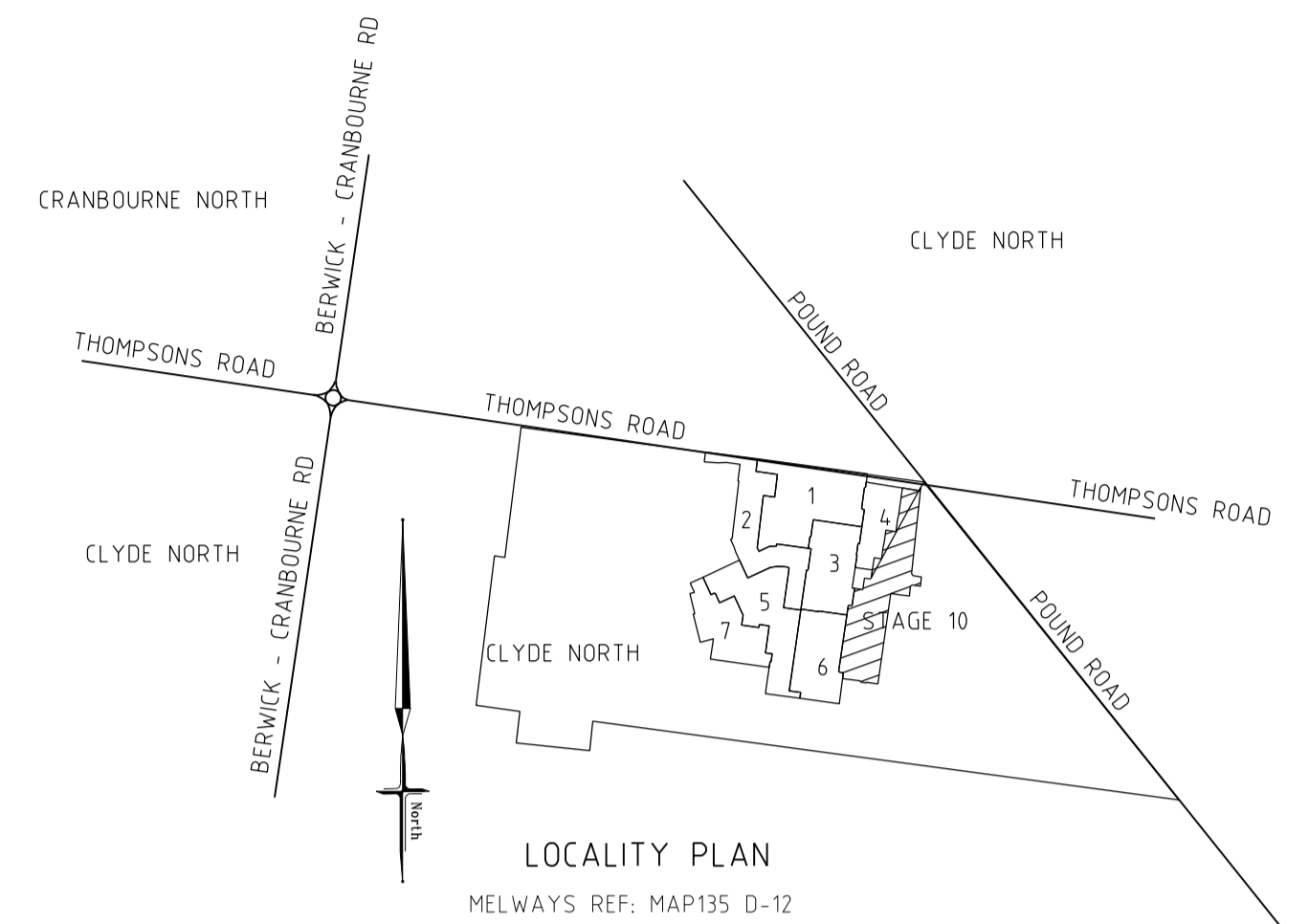


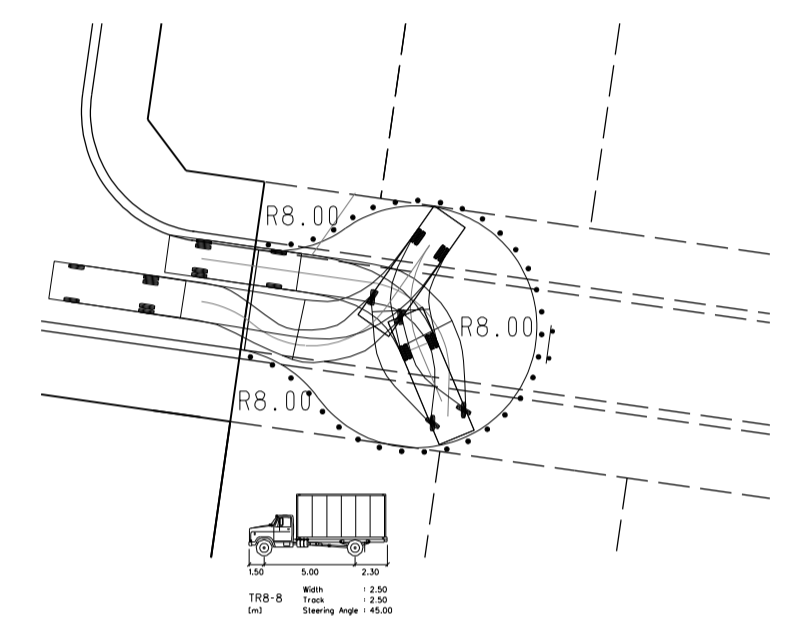
NOTES

- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH AS2124-1992 GENERAL CONDITIONS OF CONTRACT AND THE CITY OF CASEY AND VPA CURRENT SPECIFICATION AND STANDARD DRAWINGS AND TO THE SATISFACTION OF THE CITY OF CASEY WORKS SUPERVISOR.
- COUNCIL TO BE NOTIFIED TWO (2) CLEAR DAYS PRIOR TO COMMENCEMENT OF WORKS.
- 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.J.). PIPES LAYED ON A CURVE TO BE RRJ.
- R.C. PIPES TO BE CLASS 2 & P.V.C PIPES TO BE CLASS SH UNLESS OTHERWISE SPECIFIED.
- WHERE DRAINAGE PIPES ARE LOCATED WITHIN NATURE STRIPS, THE TRENCH SHALL BE BACKFILLED WITH COMPACTED CLASS 3 F.C.R. 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 :  
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.)
- PRIOR TO COMMENCEMENT OF WORKS ON SITE, THE CONTRACTOR MUST ENSURE THAT ALL MATTERS RELATING TO THE OCCUPATIONAL HEALTH AND SAFETY ACT 2004, INCLUDING ALL RELEVANT REGULATIONS, HAVE BEEN ADDRESSED. IN PARTICULAR, THE REQUIRED NOTIFICATIONS MUST BE CONVEYED TO THE VICTORIAN WORKCOVER AUTHORITY - HEALTH & SAFETY DIVISION WITH RESPECT TO TRENCHING OPERATIONS. DETAILS OF THE CONTRACTORS OCCUPATIONAL HEALTH & SAFETY PROCEDURES MUST BE LODGED WITH THE SUPERINTENDENT PRIOR TO COMMENCEMENT OF WORKS.
- PROPERTY INLETS ARE TO BE PLACED 1.0m FROM THE LOW CORNER OF LOT UNLESS OTHERWISE SHOWN. MINIMUM COVER TO BE 500mm. REFER GAA STD DWGS EDM703, EDM702, EDM703 & EDM704.
- LOTS DENOTED THUS 25H ARE TO BE PROVIDED WITH A 100mm DIA. HOUSE DRAIN PLACED 5.5m FROM LOW CORNER OF LOT UNLESS OTHERWISE SHOWN. REFER GAA STD DWGS EDM701 & EDM703.
- AGRICULTURAL PIPE DRAINS, AS PER 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, FILLED USING APPROVED CLAY FILL, AND TOPSOIL REPLACED TO OBTAIN FINAL FILL LEVELS AS SHOWN ON PLANS. ALL FILLING TO BE CARRIED OUT IN 150mm LAYERS AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS3798-2007, SECTION 8.2, LEVEL 1 ("GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS"). ON COMPLETION THE CONTRACTOR SHALL PRESENT A "LEVEL 1" TYPED REPORT, FROM A NATA REGISTERED SOIL TESTING LABORATORY, NOMINATING THE EXTENT OF FILL PLACED, ITS CONFORMANCE WITH THE SPECIFICATION AND ITS CLASSIFICATION AS "CONTROLLED FILL". IF ANY SUBSTANDARD FILLING IS ENCOUNTERED ON THE SITE IT MUST BE REMOVED AND REPLACED WITH APPROVED FILL MATERIAL PROPERLY COMPACTED TO COUNCIL REQUIREMENTS. A GEO-TECHNICAL REPORT MUST BE SUBMITTED SHOWING DETAILS OF DEPTH, TYPE OF MATERIAL AND DENSITY OF THE FILL AREAS CONCERNED.
- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL IMPORTED FILL MATERIAL, INCLUDING TOPSOIL, SATISFIES THE DESCRIPTION FOR CLEAN FILL MATERIAL IN EPA BULLETIN PUBLICATION No. 448 (SEPT '95) AND SUBSEQUENT REVISIONS. THE CONTRACTOR SHALL PROVIDE VERIFICATION INCLUDING TEST CERTIFICATES TO THE SUPERVISING ENGINEER.
- BATTERS TO BE 1 IN 6 FOR FILL AND 1 IN 6 FOR CUT UNLESS NOTED OTHERWISE.
- CUT BATTERS ARE TO BE GRASSED AND MULCHED WITH A MIXTURE OF CHOPPED GRASS, STRAW AND BITUMEN EMULSION.
- WHERE CUT BATTERS EXCEED 700mm AN ADDITIONAL 300mm BERM SHALL BE FORMED BEHIND FOOTPATH.
- ACCESS 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/BNB 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 DWGS EDM 501 & EDM 502
- ALL ROADS TO BE CONSTRUCTED WITH KERB & CHANNEL AS SHOWN. REFER GAA STD DWGS 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 - 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 3 CRUSHED ROCK  
e) 100mm COMPACTED DEPTH 40mm NOMINAL SIZE CLASS 3 CRUSHED ROCK  
f) 150mm COMPACTED DEPTH SELECT GRANULAR MATERIAL WITH A MINIMUM SOAKED CBR OF 10%  
DEPTH 540mm  
PAVEMENT TO CONSIST OF: ROUND ABOUT NEWGRANGE BOULEVARD (REFER EXIST ON INTERSECTION DETAIL)  
a) 40mm COMPACTED DEPTH 14mm NOMINAL SIZE TYPE V 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 3 CEMENT TREATED CRUSHED ROCK  
e) 100mm COMPACTED DEPTH 40mm NOMINAL SIZE CLASS 3 CRUSHED ROCK  
f) 170mm COMPACTED DEPTH SELECT GRANULAR MATERIAL WITH A MINIMUM SOAKED CBR OF 10%  
DEPTH 560mm  
PAVEMENT TO CONSIST OF: ACCESS STREET - HYDE AVENUE (N/S), OLMSTEAD LANE, ASPIRE AVENUE, OBSERVATION STREET, ATRIUM STREET, COLONNADE 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 - HYDE AVENUE (E/W), ORBIT STREET  
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 TO CONSIST OF: ACCESS STREET - VERDANT DRIVE  
a) 30mm COMPACTED DEPTH 10mm NOMINAL SIZE TYPE N ASPHALT WITH C170 BINDER  
b) 35mm COMPACTED DEPTH 14mm NOMINAL SIZE TYPE N ASPHALT WITH C170 BINDER  
c) PRIME & SEAL (SIZE 7) OR PRIMERSEAL (SIZE 7)(BOTH EMULSION SEALS)  
d) 125mm COMPACTED DEPTH 20mm NOMINAL SIZE CLASS 2 FINE CRUSHED ROCK  
e) 100mm COMPACTED DEPTH 20mm NOMINAL SIZE CLASS 3 FINE CRUSHED ROCK  
f) 110mm COMPACTED DEPTH 40mm NOMINAL SIZE CLASS 3 FINE CRUSHED ROCK  
g) 150mm COMPACTED DEPTH SELECT GRANULAR MATERIAL WITH A MINIMUM SOAKED CBR OF 10%  
DEPTH 550mm  
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:  
a) 200mm THICK 32MPa CHARCOAL COLOURED CONCRETE IN GREY CEMENT WITH 6% BLACK OXIDE COLOUR TO BE ADDED TO AGGREGATE PRIOR TO POURING CONCRETE SL72 MESH PLACED CENTRALLY.  
b) 100mm THICK COMPACTED FCR BEDDING OR TO ROAD BASE COURSE
- 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 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.
- 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 ARBOCULTURAL 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.




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	26-904	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	1084-710	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

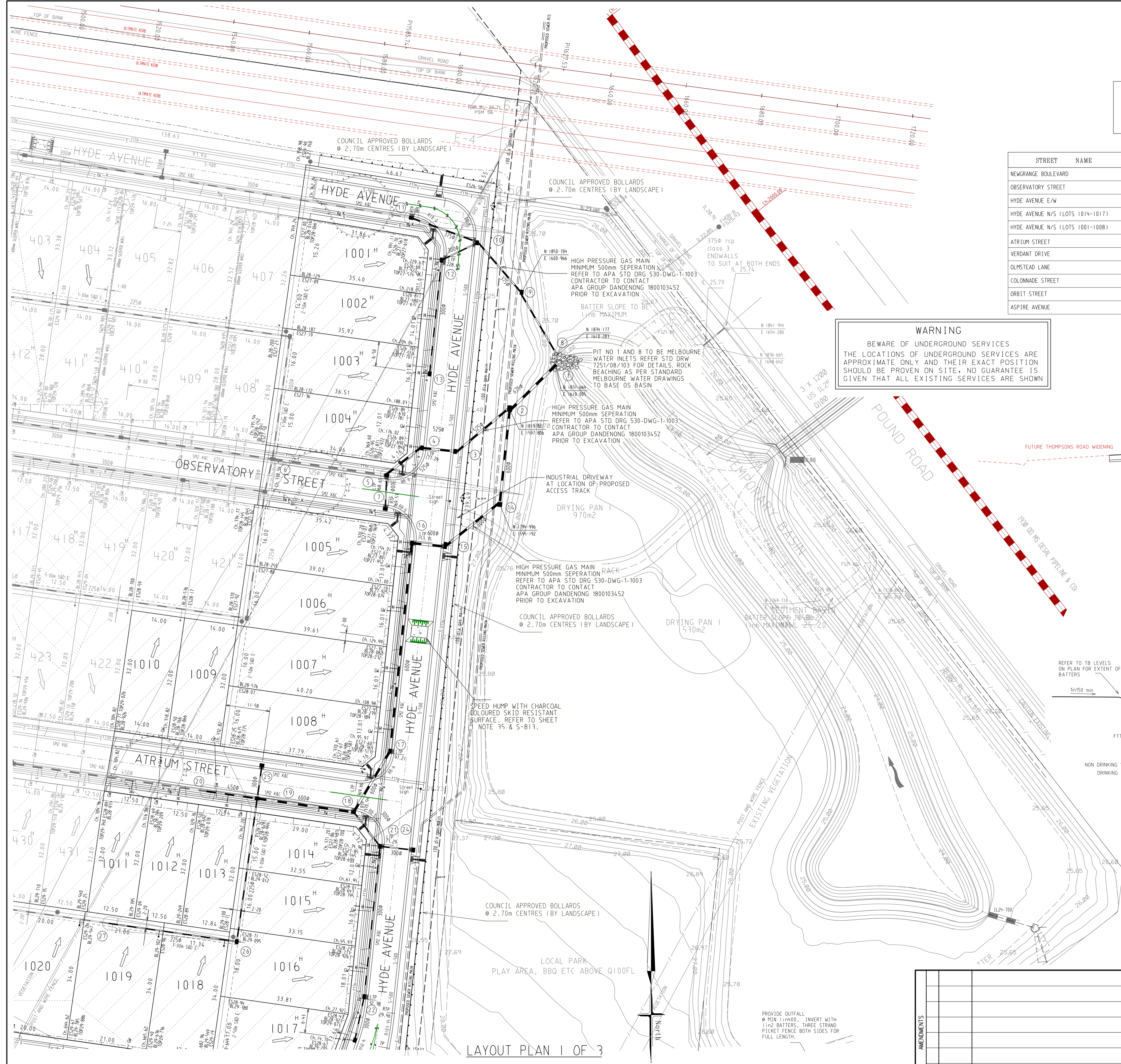


8.8 SERVICE VEHICLE TURNING CIRCLE



CONTROL PLAN

AMENDMENTS	MELWAY REF.	131-C-12	 <b>breese pitt dixon</b> pty. ltd. land surveyors civil engineers	1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310			
	SURVEY	B. P. D.		<b>MERIDIAN ESTATE</b> STAGE 10	MUNICIPALITY <b>CASEY</b>		
	DESIGN	RK			REFERENCE <b>8129 E/10</b>		
	DRAWN	RK		CHECKED	SCALE AS SHOWN	DATUM AHD	DATE APR. 17



**ATTENTION TO CONTRACTOR**

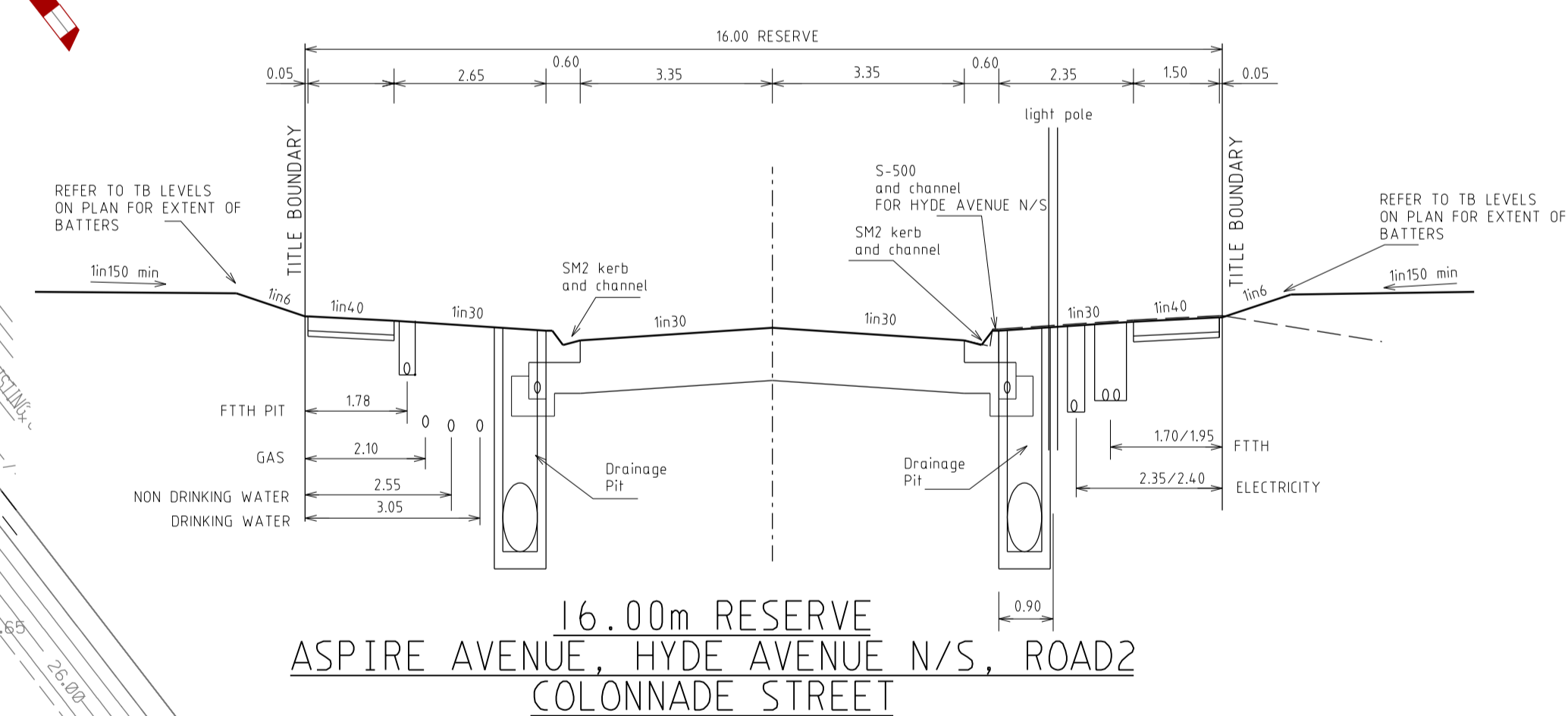
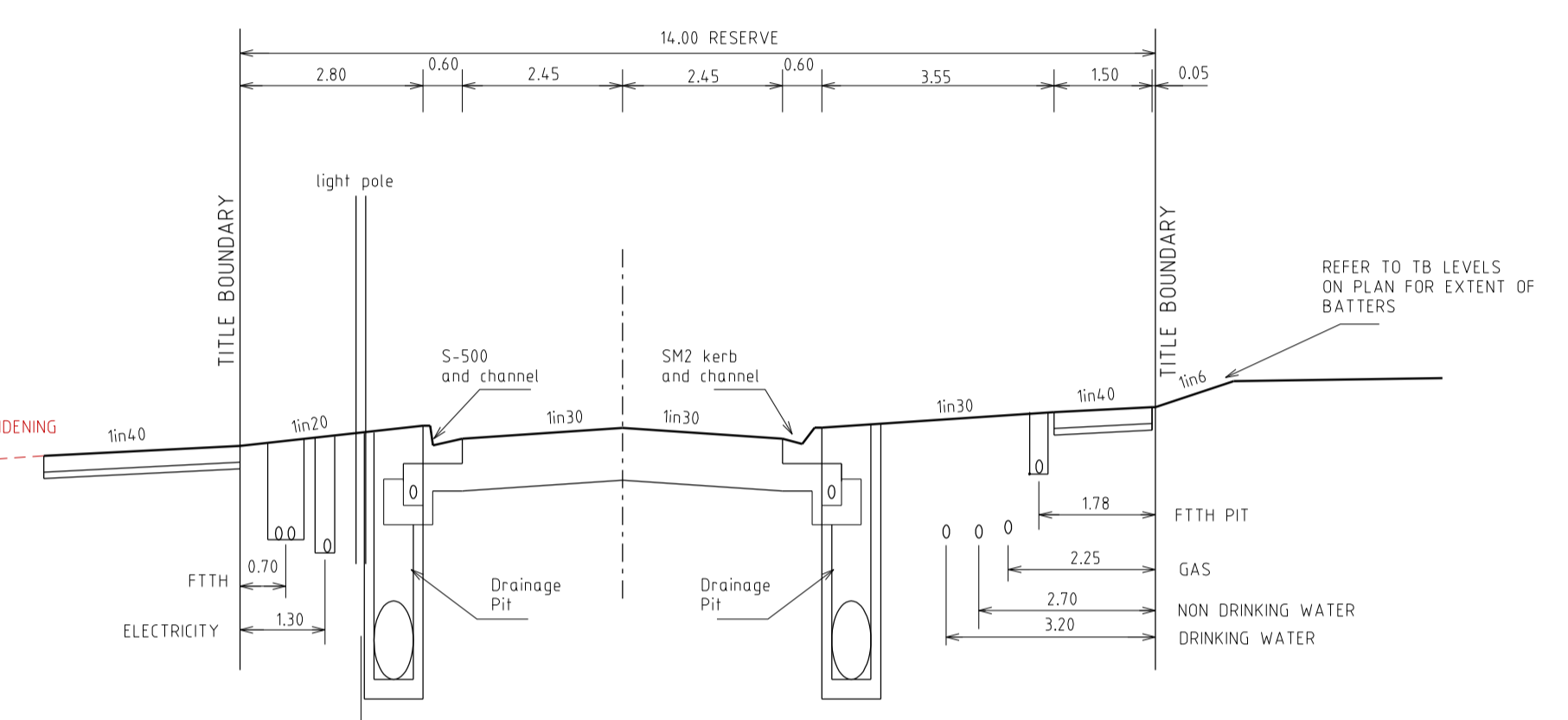
- IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT THE DIGITAL PLAN, PROVIDED FOR SETOUT PURPOSES, MATCHES THE T.B.M. COORDINATES SHOWN.
- WHERE CONCRETE WORKS ABOUT A SEWER ACCESS CHAMBER SURROUND OR SIMILAR STRUCTURE, AN EXPANSION JOINT OF APPROVED MATERIAL SHALL BE PROVIDED BETWEEN THE TWO FACES.

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

**SERVICES OFFSETS AND LOCATIONS**

STREET NAME	Rd.RESERVE	WATER		GAS	ELECTRICITY		FIBRE TO THE HOME		Bk. of KERB	JOINT TRENCHING
		DW	NDW		CABLES	POLES	CABLES	PITS		
NEWGRANGE BOULEVARD	25.50	3.20 S	2.70 S	2.25 S	2.55 N	0.90 BOK	1.95 N	1.95 N	4.35 N	E, T/G, W
OBSERVATORY STREET	16.00	3.05 S	2.55 S	2.10 S	2.55 N	0.90 BOK	1.95 N	1.95 N	3.90 N	E, T/G, W
HYDE AVENUE E/W	14.00	3.20 S	2.70 S	2.25 S	1.30 N	0.90 BOK	0.70 N	0.70 N	2.80 W	E, T/G, W
HYDE AVENUE N/S (LOTS 1014-1017)	16.00	3.05 W	2.55 W	2.10 W	2.40 E	0.90 BOK	#1.20 W	1.20 W	3.90 E	E, T/G, W
HYDE AVENUE N/S (LOTS 1001-1008)	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	1.95 N	3.90 N	E, T/G, W
VERDANT DRIVE	22.00	3.05 W	2.55 W	2.10 W	3.80 E	0.90 BOK	3.15 E	3.15 E	4.25 W	E, T/G, W
OLMSTEAD LANE	16.00	3.05 S	2.55 S	2.10 S	2.55 N	0.90 BOK	1.95 N	1.95 N	3.90 N	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	1.95 N	3.90 N	E, T/G, W
ORBIT STREET	16.00	3.05 S	2.55 S	2.10 S	2.40 N	0.90 BOK	1.80 N	1.80 N	3.90 N	E, T/G, W
ASPIRE AVENUE	16.00	3.05 W	2.55 W	2.10 W	2.40 E	0.90 BOK	1.80 E	1.80 E	4.20 W	E, T/G, W

**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	—●—●—	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	—●—●—		

LAYOUT PLAN 1 OF 3  
1:500  
0 5 10 20 40

AMENDMENTS	MELWAY REF.	131-C-12	breese pitt dixon pty. ltd. land surveyors civil engineers	1/19 coto street howthorn east, 3123 telephone 8823 2300 fax no. 8823 2310					
	SURVEY	B.P.D.							
	DESIGN	RK							
	DRAWN	RK							
VER.	DATE	REMARKS	CHECKED	SCALE AS SHOWN	DATUM AHD	DATE APR. 17	SHEET 2 OF 31	MUNICIPALITY	CASEY
							8129 E/10		



COUNCIL APPROVED BOLLARDS  
 Ø 2.70m CENTRES (BY LANDSCAPE)

MARKER TAPE 150mm CONCRETE SLAB AND PIPELINE WARNING SIGNS TO BE INSTALLED AS PER APA STD. DRG. 530-DWG-L-5013. CONTRACTOR TO CONTACT APA GROUP DANDENONG 1800103452 PRIOR TO EXCAVATION. REFER TO APA-1350 POUND ROAD WORKS CROSSING PERMIT FOR DETAILS

STORMWATER CROSSING UNDER HIGH PRESSURE GAS MAIN MINIMUM 500mm SEPERATION REFER TO APA STD DRG 530-DWG-L-1001 CONTRACTOR TO CONTACT APA GROUP DANDENONG 1800103452 PRIOR TO EXCAVATION

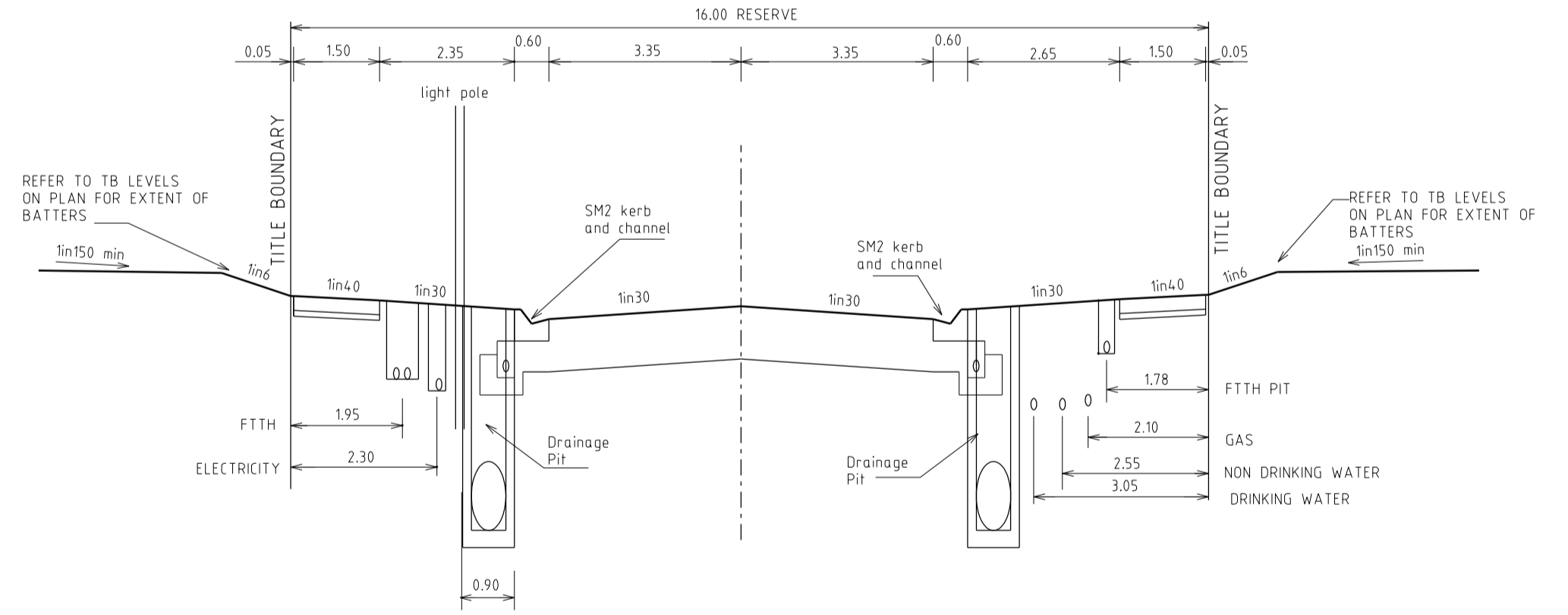
PROVIDE OUTFALL Ø MIN 110mm. INVERT WITH 1:2 BATTERS. THREE STRAND PICKET FENCE BOTH SIDES FOR FULL LENGTH.

**ATTENTION TO CONTRACTOR**

- IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT THE DIGITAL PLAN, PROVIDED FOR SETOUT PURPOSES, MATCHES THE T.B.M. COORDINATES SHOWN.
- WHERE CONCRETE WORKS ABOUT A SEWER ACCESS CHAMBER SURROUND OR SIMILAR STRUCTURE, AN EXPANSION JOINT OF APPROVED MATERIAL SHALL BE PROVIDED BETWEEN THE TWO FACES.

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

**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

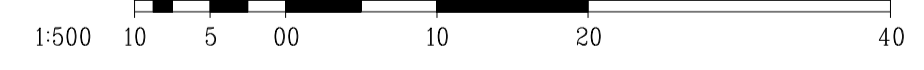


16.00m RESERVE  
 ORBIT STREET, ATRIUM STREET, OBSERVATORY STREET

**SYMBOL LEGEND**

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

LAYOUT PLAN 2 OF 3



AMENDMENTS	DATE	REMARKS

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

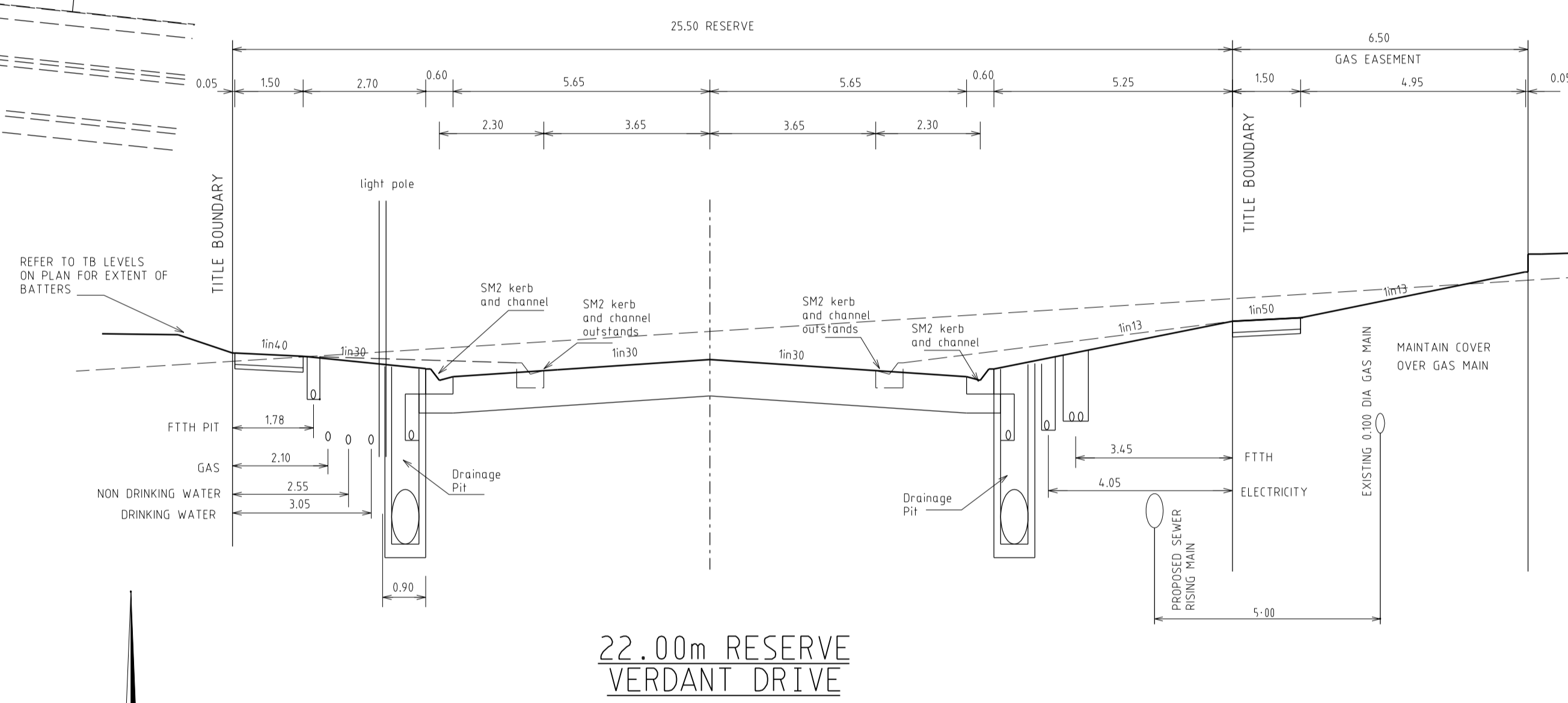
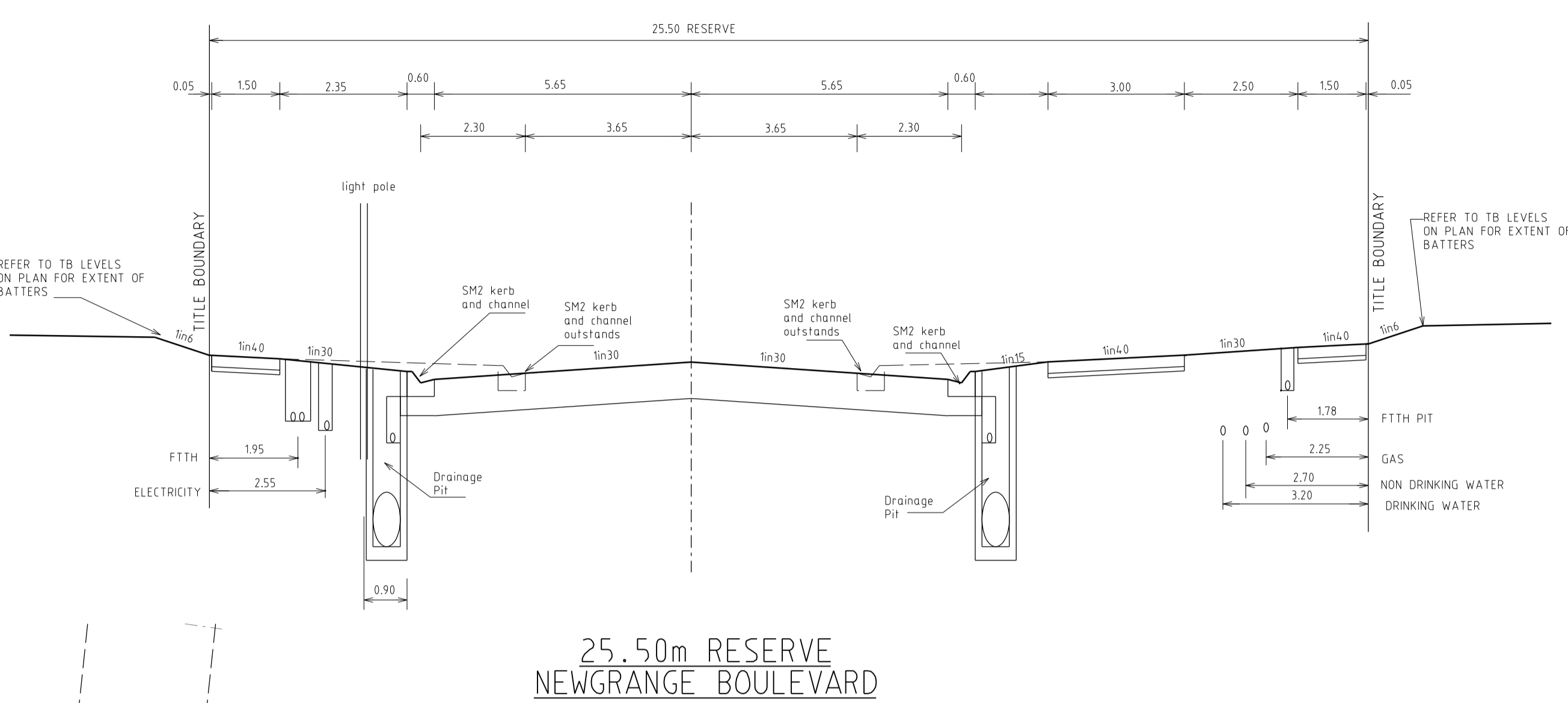
1/19 cato street  
 howthorn east, 3123  
 telephone 8823 2300  
 fax no. 8823 2310

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

**MERIDIAN ESTATE**  
**STAGE 10**

**MUNICIPALITY** CASEY  
**REFERENCE** 8129 E/10  
**SHEET** 3 OF 31

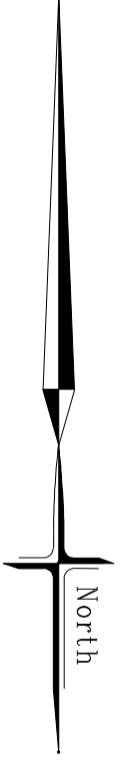
SCALE AS SHOWN    DATUM AHD    DATE APR. 17



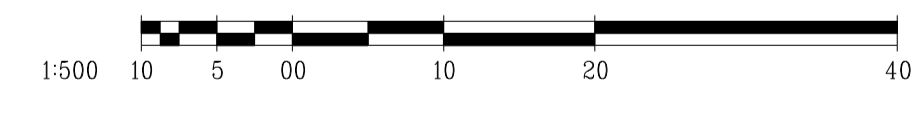
**WARNING**  
BEWARE OF UNDERGROUND SERVICES  
THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN

**ATTENTION TO CONTRACTOR**  
1. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT THE DIGITAL PLAN, PROVIDED FOR SETOUT PURPOSES, MATCHES THE T.B.M. COORDINATES SHOWN.  
2. WHERE CONCRETE WORKS ABOUT A SEWER ACCESS CHAMBER SURROUND OR SIMILAR STRUCTURE, AN EXPANSION JOINT OF APPROVED MATERIAL SHALL BE PROVIDED BETWEEN THE TWO FACES.

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



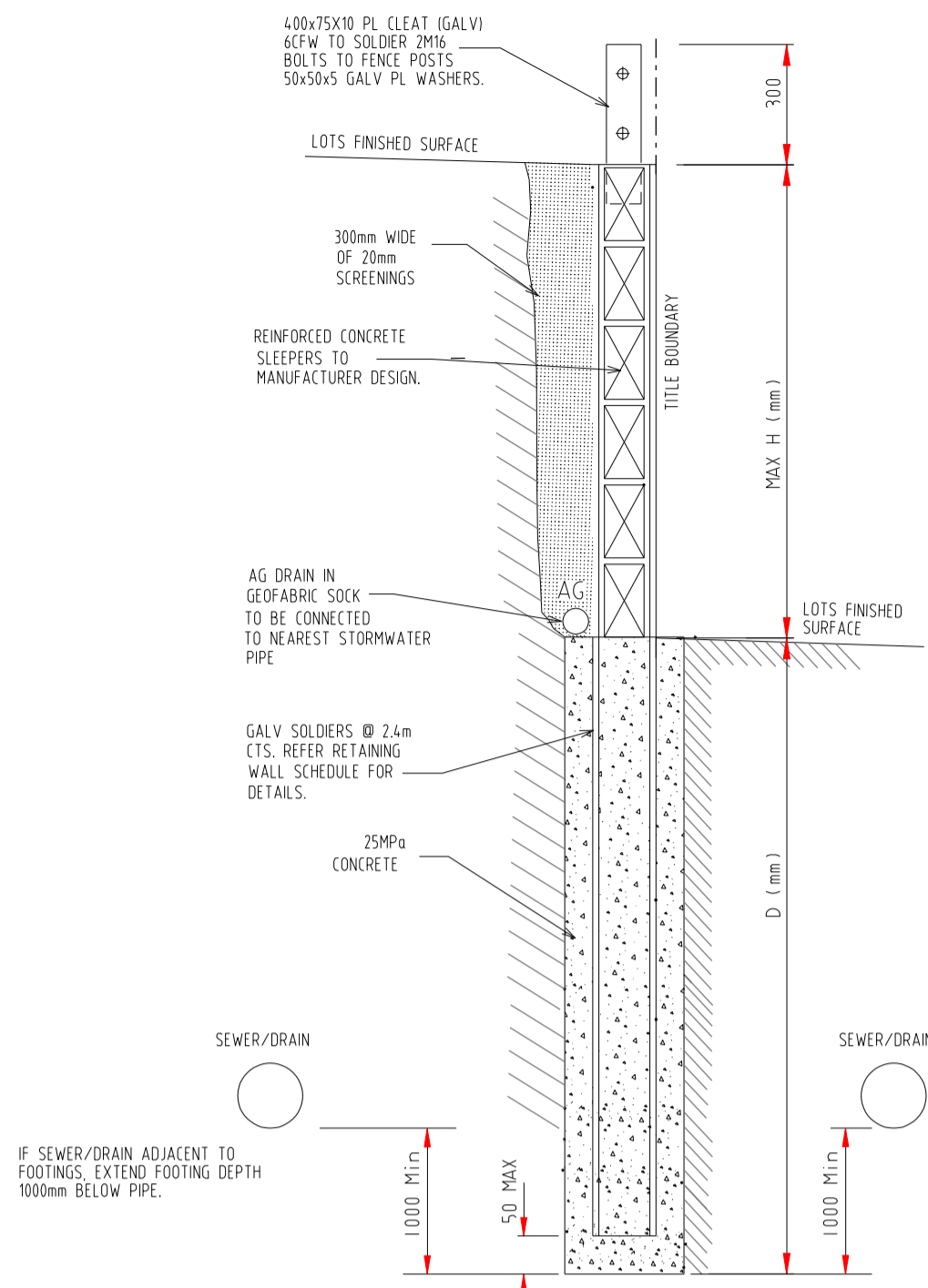
LAYOUT PLAN 3 OF 3



**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	—●—		

		<b>breese pitt dixon pty. ltd.</b> land surveyors      civil engineers		1/19 coto street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
MELWAY REF. 131-C-12		<b>MERIDIAN ESTATE</b> STAGE 10		MUNICIPALITY CASEY	
SURVEY B.P.D.		REFERENCE 8129 E/10		SHEET 4 OF 31	
DESIGN RK		SCALE AS SHOWN		DATUM AHD	
DRAWN RK		DATE APR. 17		DATE APR. 17	
CHECKED		DATE APR. 17		DATE APR. 17	
AMENDMENTS		VER. DATE		REMARKS	



**CONCRETE SLEEPER  
RETAINING WALL DETAIL**

**RETAINING WALL SCHEDULE**

HEIGHT - H (mm)	DEPTH - D (mm)	SOLDERS SIZE Ø 24mm CTS
500	900	100 UC 14.8
800	1200	100 UC 14.8
1000	1500	100 UC 14.8

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

SHOWN THUS

**RETAINING WALL NOTE R.1**

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

**FOOTING NOTE F.2**

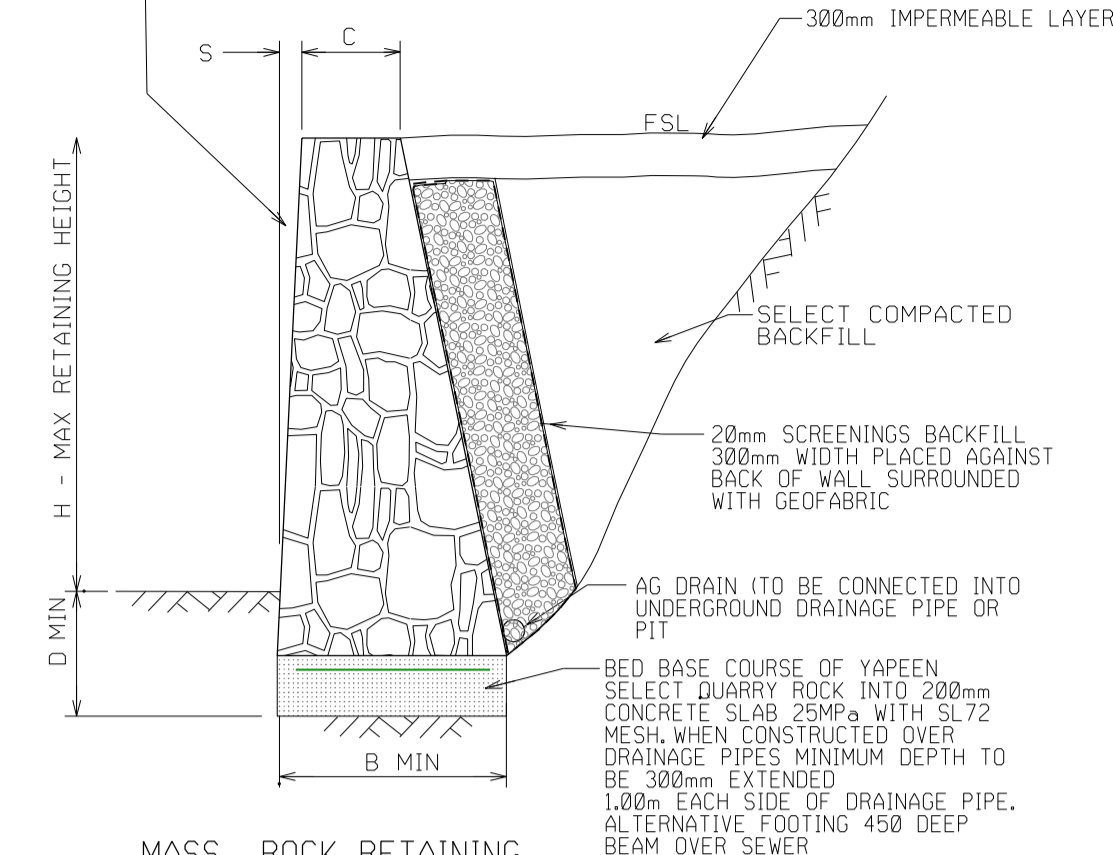
a. TOE OF WALL SHALL PENETRATE THROUGH ANY FILL MATERIAL & THE NATURAL SILT SOILS TO BE FOUNDED AT LEAST 100mm INTO THIS UNDERLYING NATURAL STIFF CLAY OR WEATHERED ROCK. ALL EXCAVATIONS SHALL HAVE FOUNDED DEPTHS AND BEARING CAPACITY APPROVED BY THE ENGINEER OR BUILDING SURVEYOR BEFORE CONCRETE IS PLACED. FOOTING EXCAVATIONS WHICH ARE DEEPENED TO PENETRATE THROUGH UNSUITABLE SOILS SHALL BE BACKFILLED UP TO UNDERSIDE OF FOOTINGS WITH 15 MPa BLINDING CONCRETE.

b. ALL EXCAVATION FOUNDED SURFACES SHALL BE LEVEL (NOT INCLINED) CLEAN CUT & FREE OF MUD OR WATER.

c. ALL SEEPAGE INFLOW SHALL BE REMOVED BEFORE PLACEMENT OF CONCRETE.

d. 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 - 400  
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**

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

**FOOTING NOTE F.2**

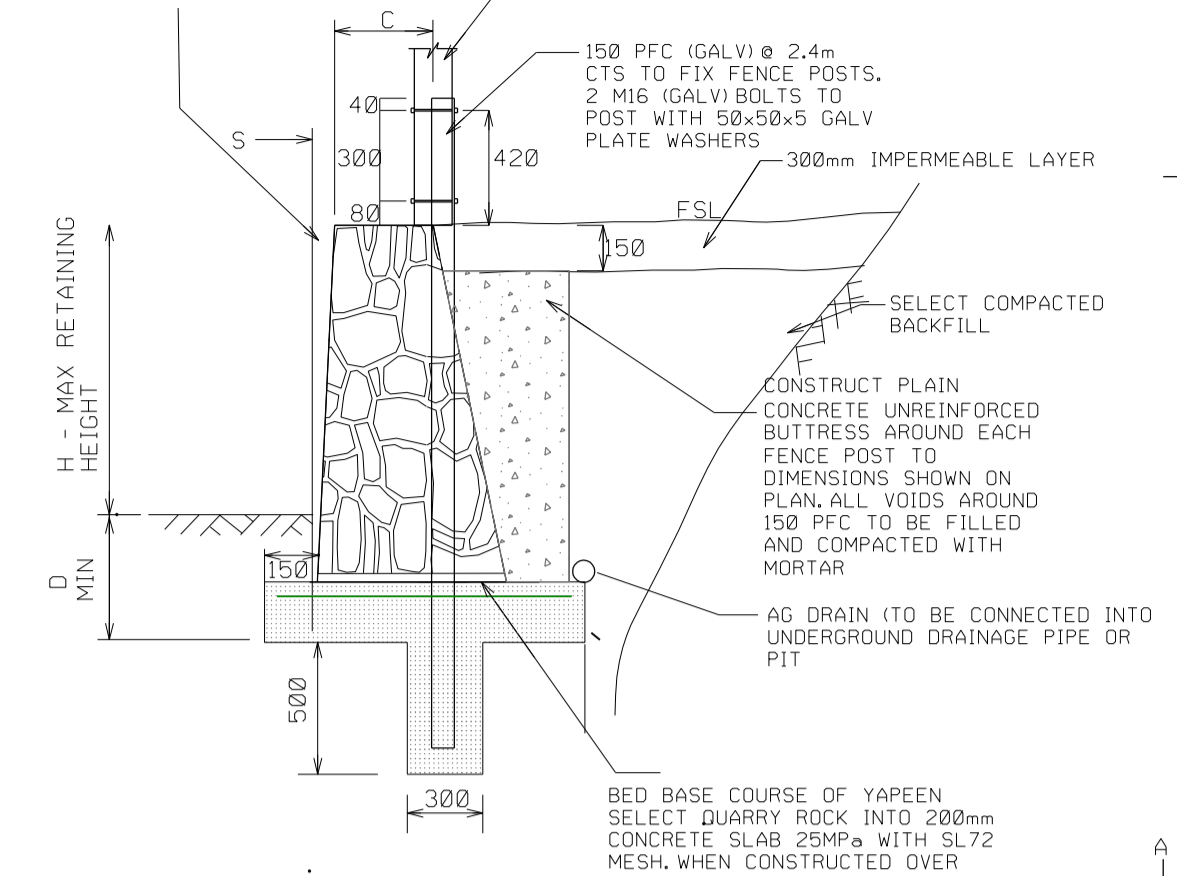
a. TOE OF WALL SHALL PENETRATE THROUGH ANY FILL MATERIAL & THE NATURAL SILT SOILS TO BE FOUNDED AT LEAST 100mm INTO THIS UNDERLYING NATURAL STIFF CLAY OR WEATHERED ROCK. ALL EXCAVATIONS SHALL HAVE FOUNDED DEPTHS AND BEARING CAPACITY APPROVED BY THE ENGINEER OR BUILDING SURVEYOR BEFORE CONCRETE IS PLACED. FOOTING EXCAVATIONS WHICH ARE DEEPENED TO PENETRATE THROUGH UNSUITABLE SOILS SHALL BE BACKFILLED UP TO UNDERSIDE OF FOOTINGS WITH 15 MPa BLINDING CONCRETE.

b. ALL EXCAVATION FOUNDED SURFACES SHALL BE LEVEL (NOT INCLINED) CLEAN CUT & FREE OF MUD OR WATER.

c. ALL SEEPAGE INFLOW SHALL BE REMOVED BEFORE PLACEMENT OF CONCRETE.

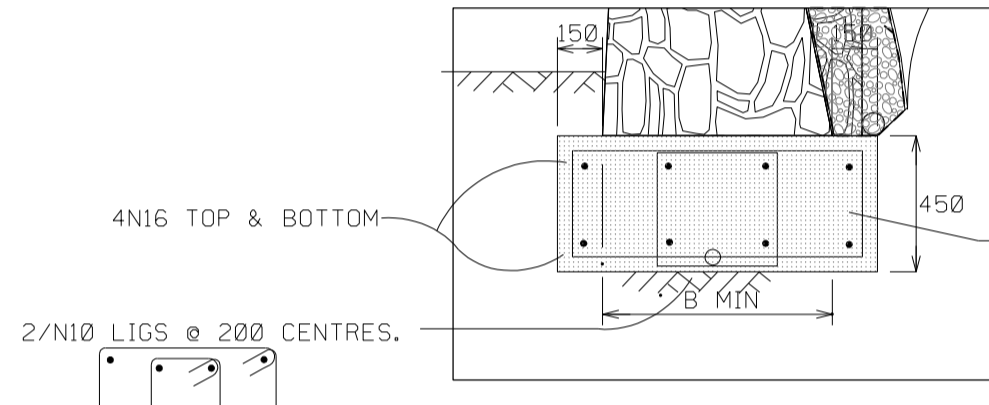
d. FOOTINGS SHALL BE FOUNDED IN STIFF NATURAL CLAY HAVING A SAFE BEARING CAPACITY OF 150kPa.

SELECTED PYRENEES QUARRIES  
YAPEEN SELECT QUARRY ROCK SET IN MORTAR  
MIX 1 CEMENT : 6 SAND ALL VOIDS FILLED  
ROCK SIZE NOMINALLY 300 - 400  
MORTAR JOINTS ON EXPOSED FACE OF WALL TO BE RECESSED TO GIVE A FREESTONE WALL APPEARANCE.

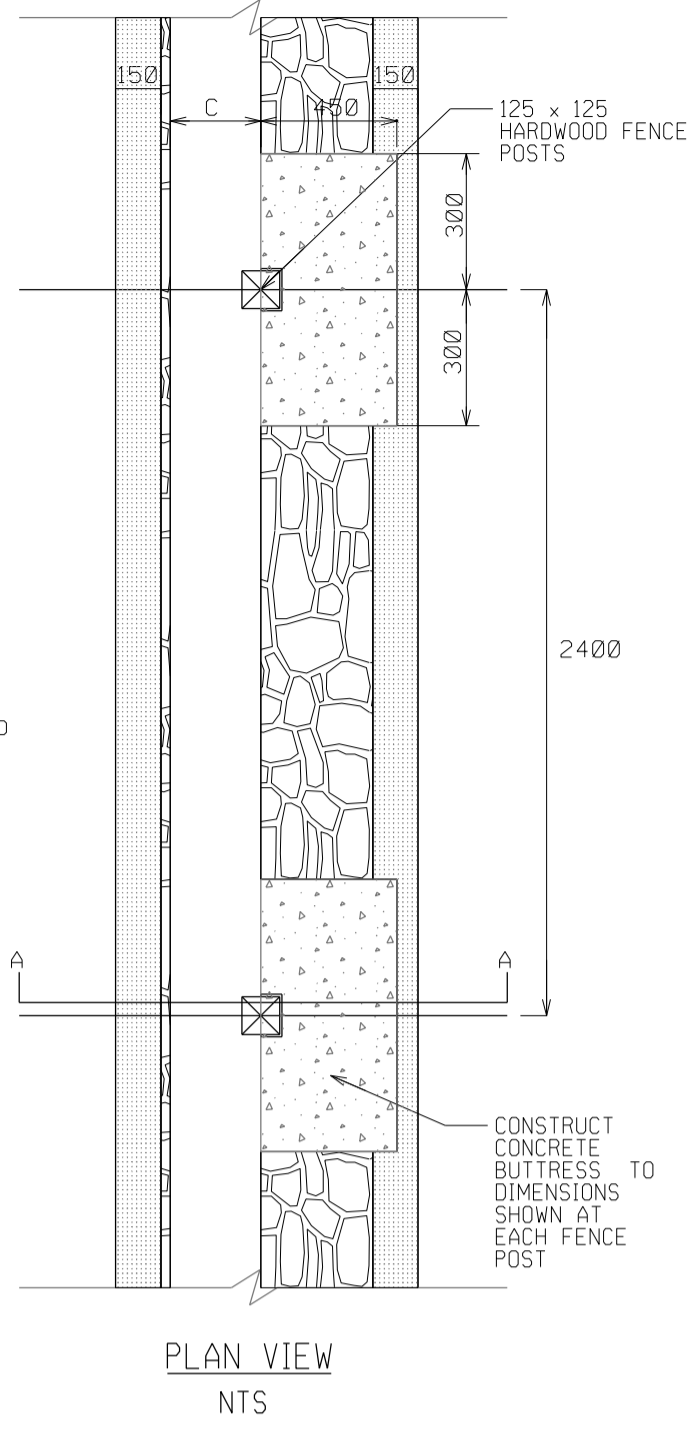


**SECTION A-A  
MASS ROCK RETAINING WALL DETAIL WITH PALING TIMBER FENCE (TYPE RR)**

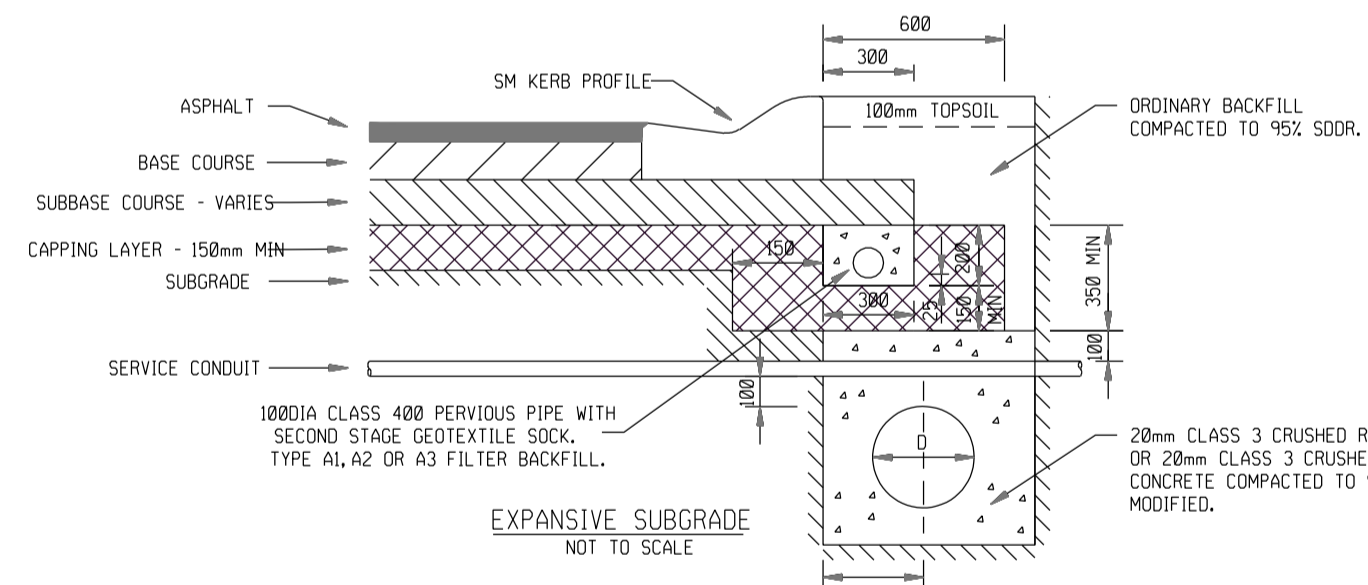
**RETAINING WALL FOOTING REQUIREMENTS FOR SEWER CROSSINGS**



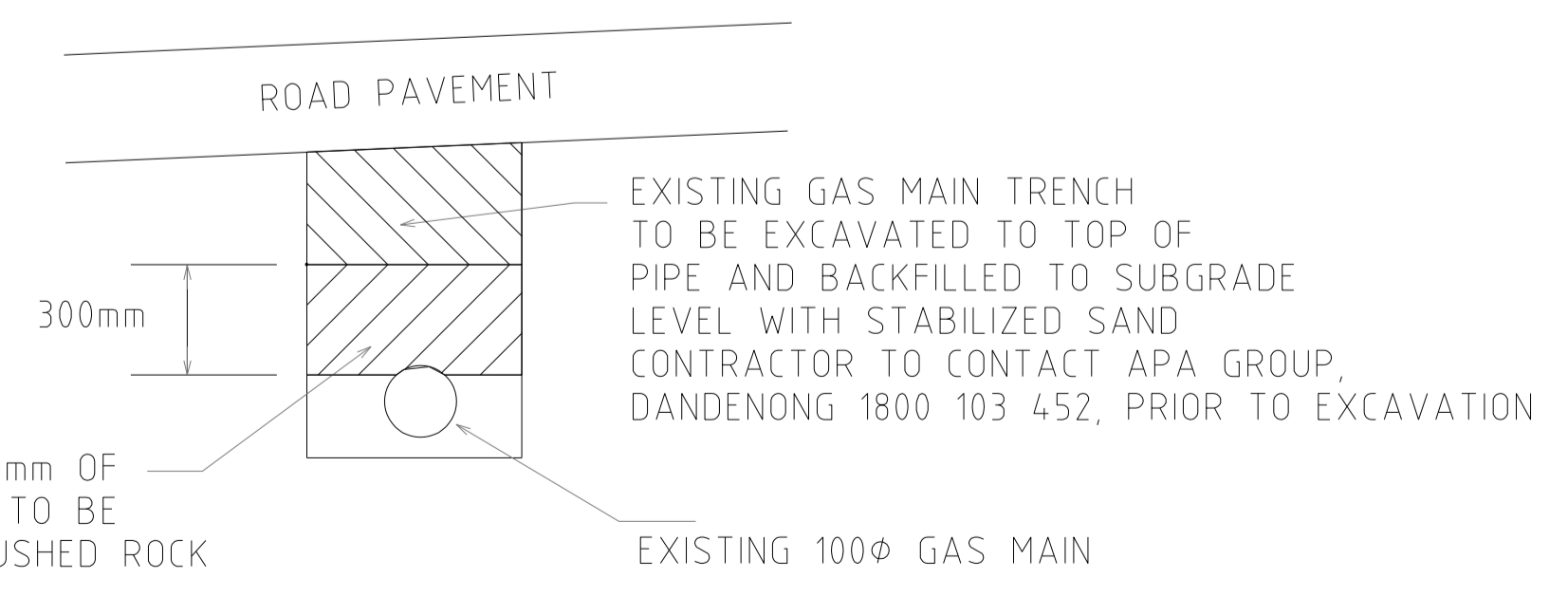
NOTES:  
- CONCRETE STRENGTH N25 MIN. (f'c = 25MPa)  
- 60mm CONCRETE COVER TO REINFORCING  
- ALL CONCRETE, REINFORCING & CONCRETING WORK TO BE IN ACCORDANCE WITH AS3600 CONCRETE CODE  
- 450mm CONCRETE BEAM TO EXTEND 2m EITHER SIDE OF SEWER CROSSING FOR ALL SEWER CROSSINGS  
- PROVIDE CONSTRUCTION JOINT (CJ) IN WALL WHERE 450 BEAM CHANGES BACK TO 200mm STANDARD FOOTING



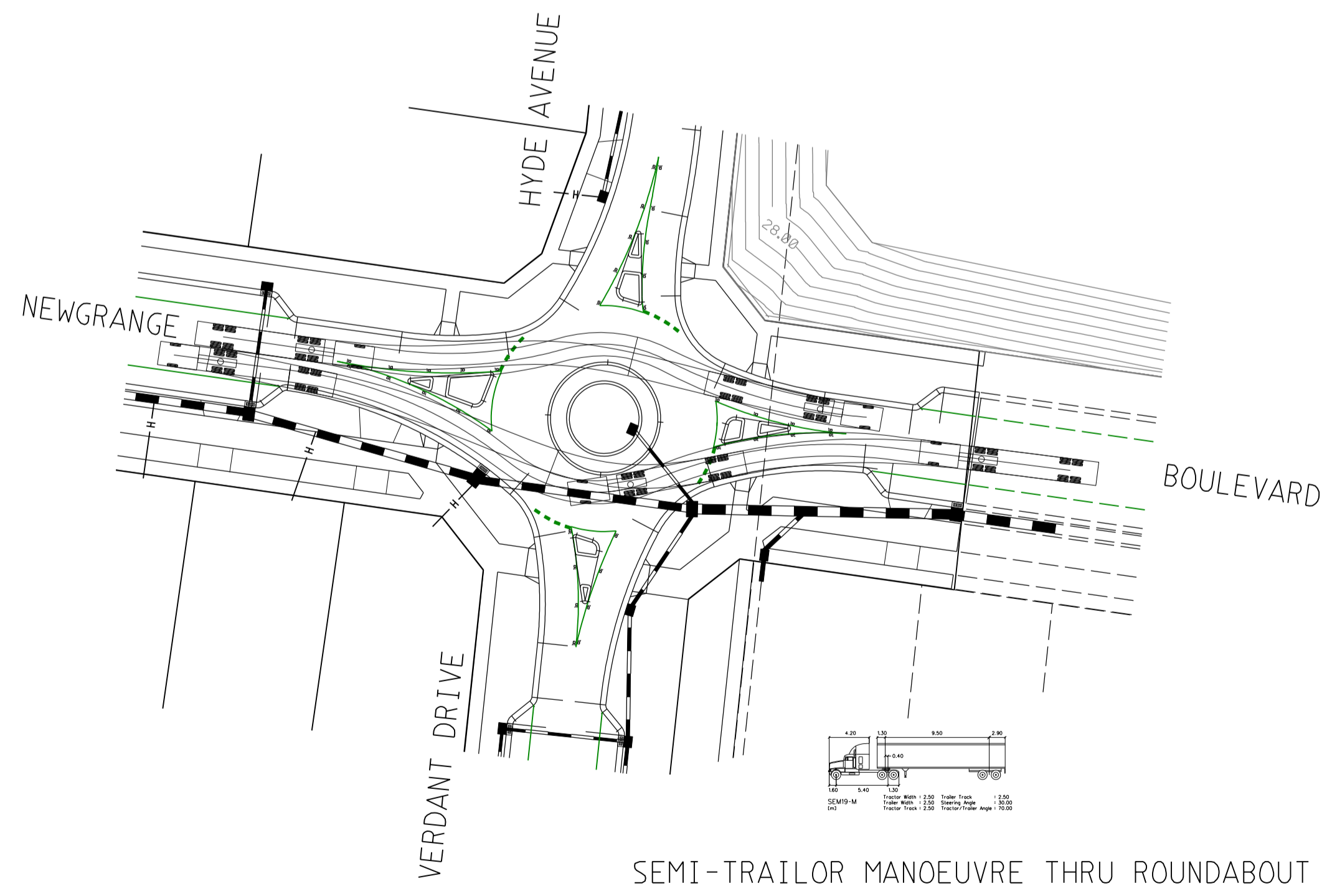
**PLAN VIEW  
NTS**



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

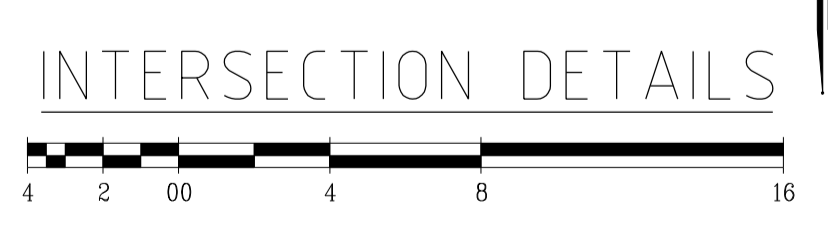
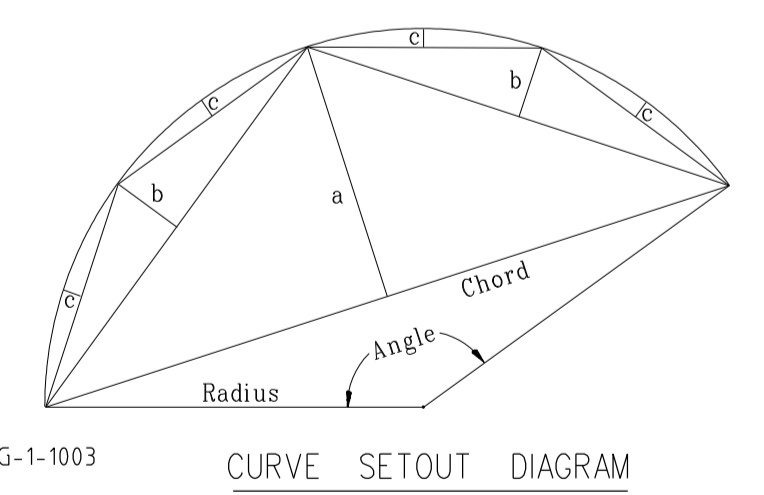
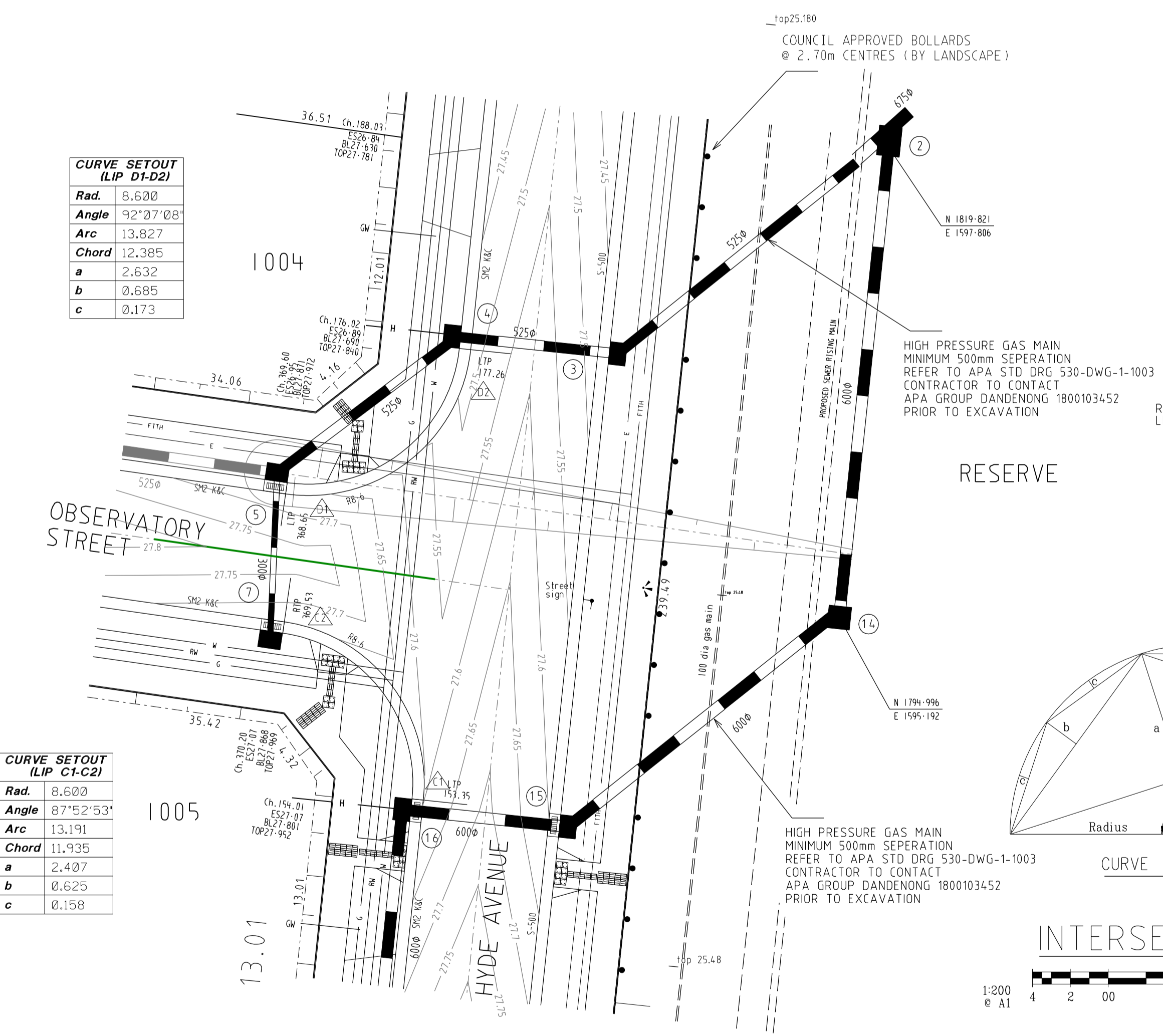
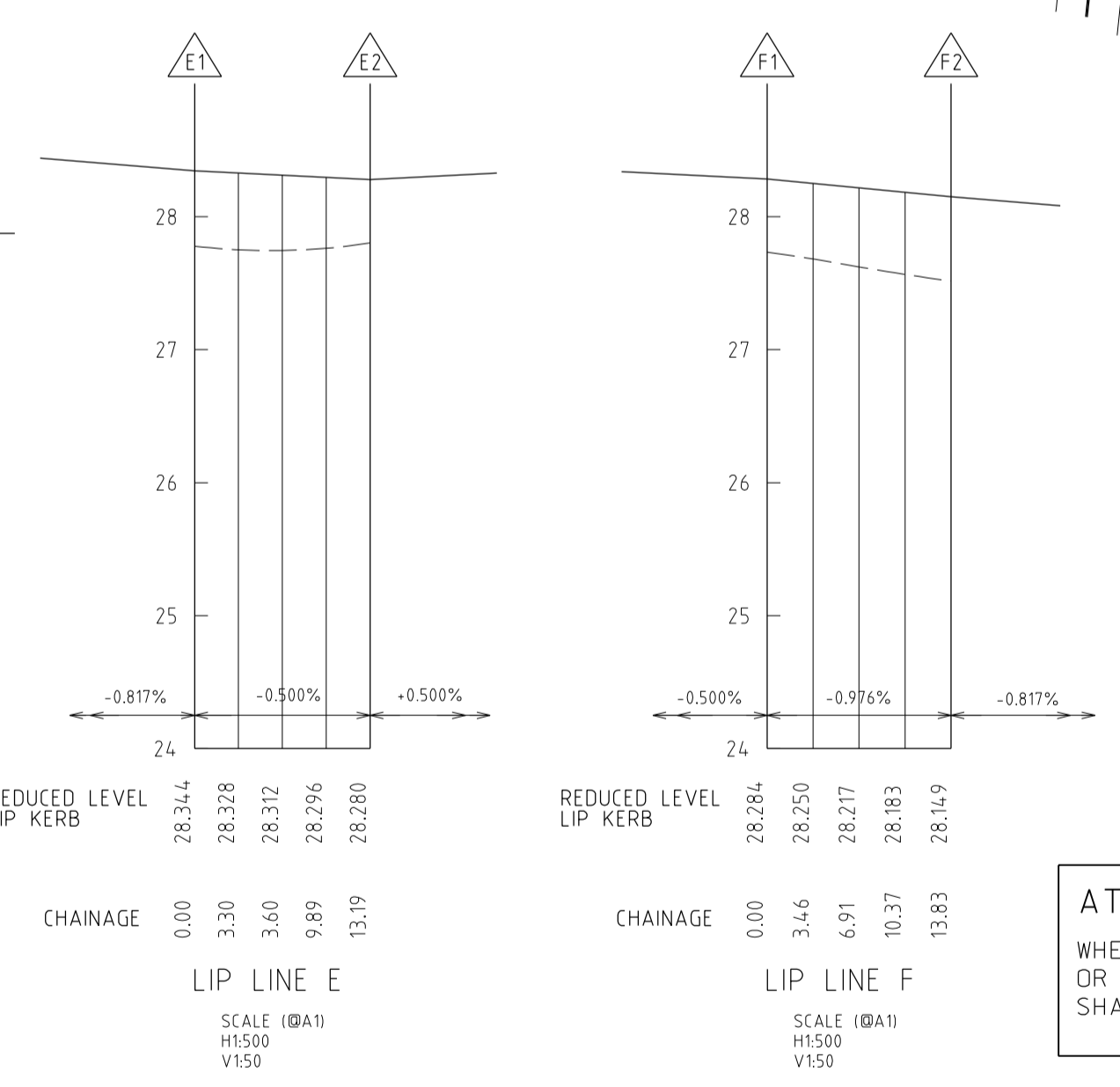
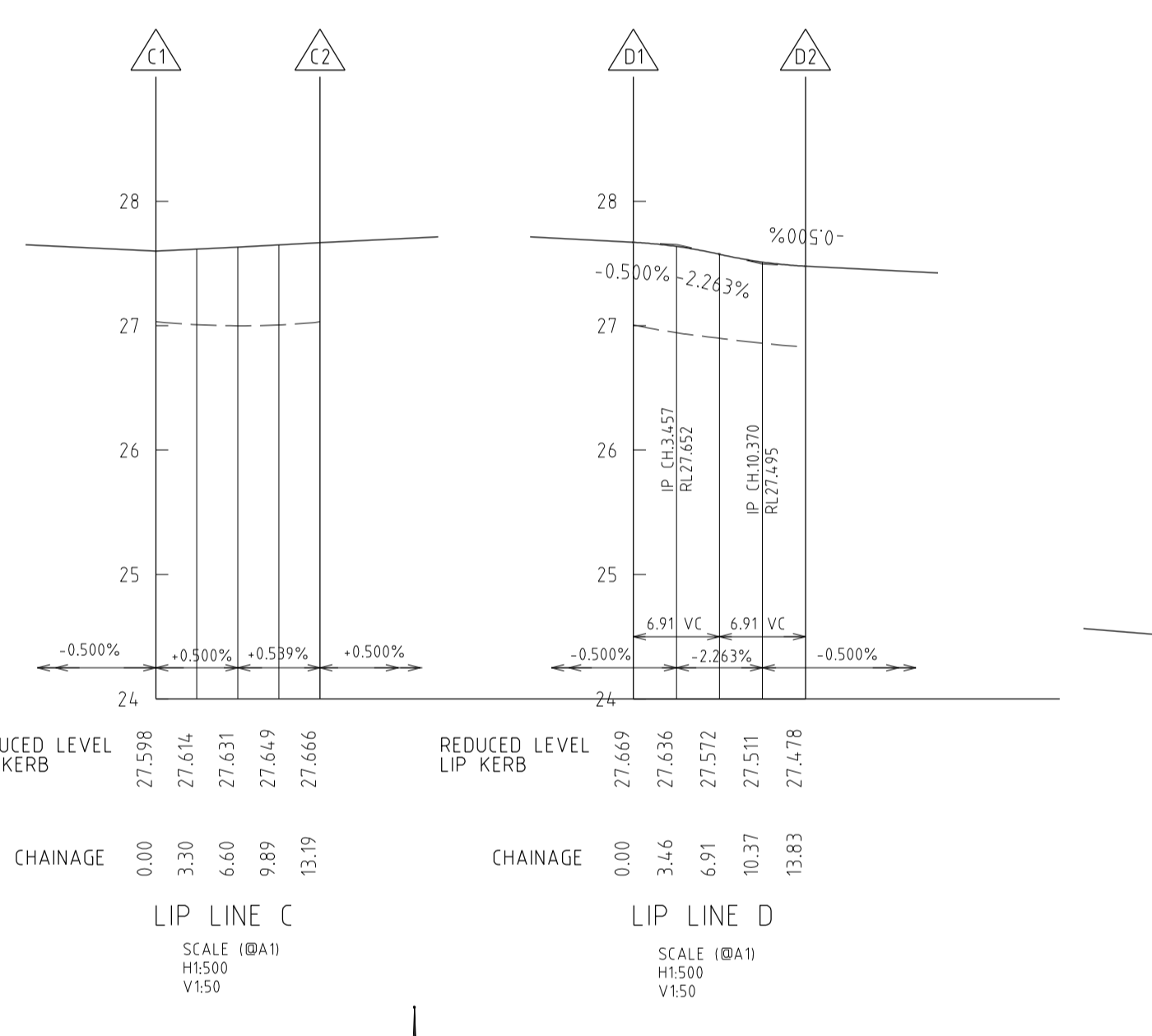
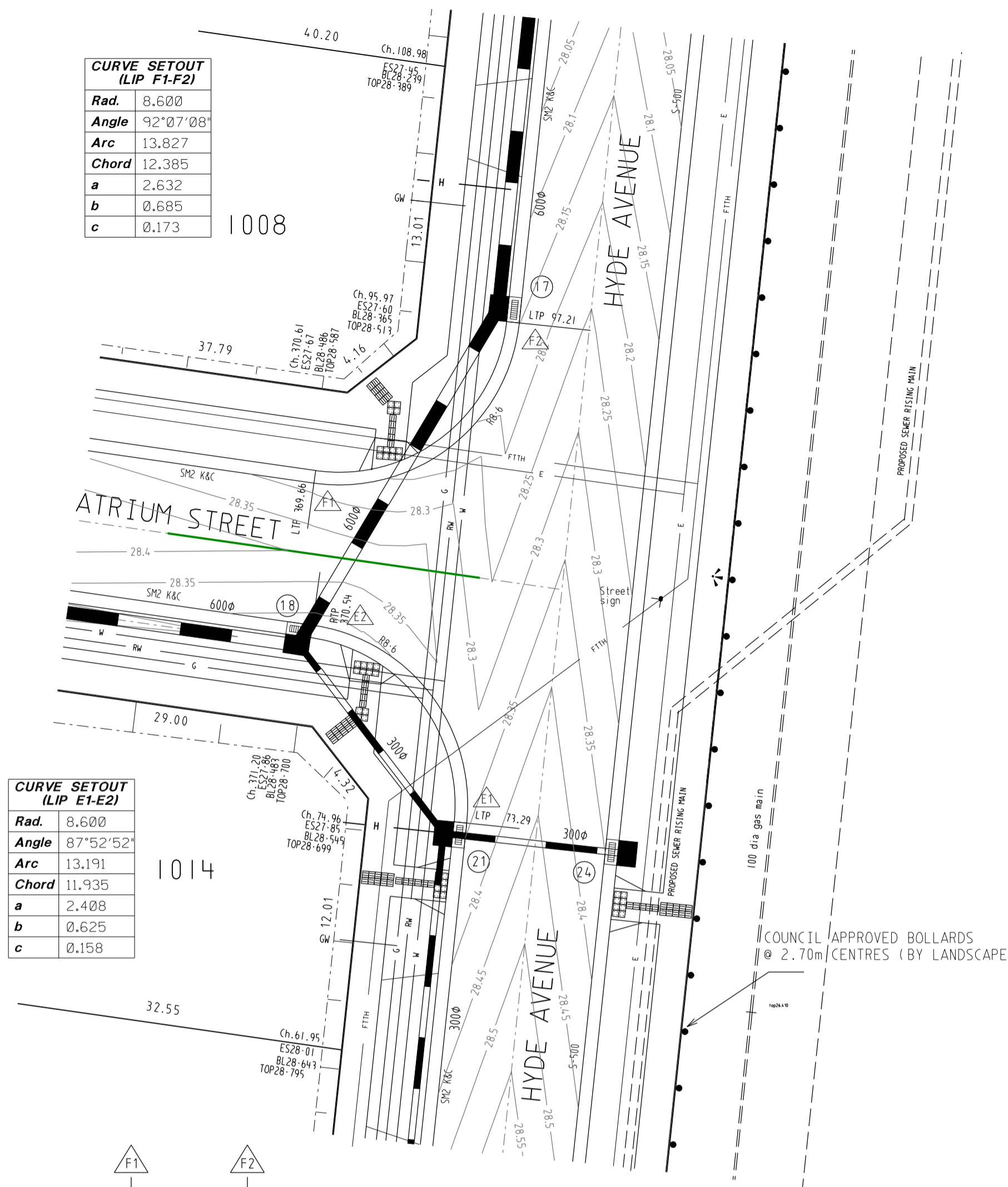
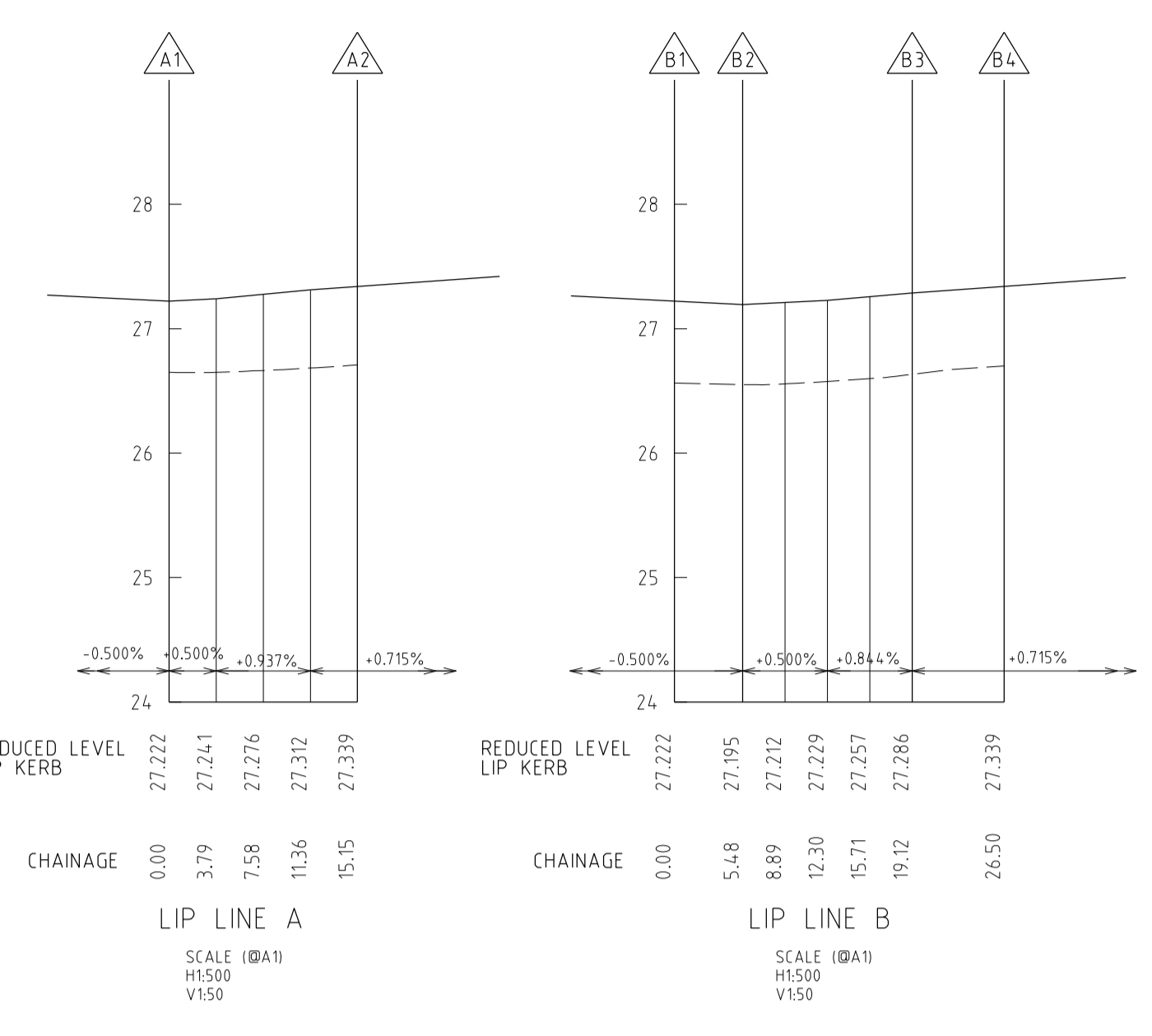
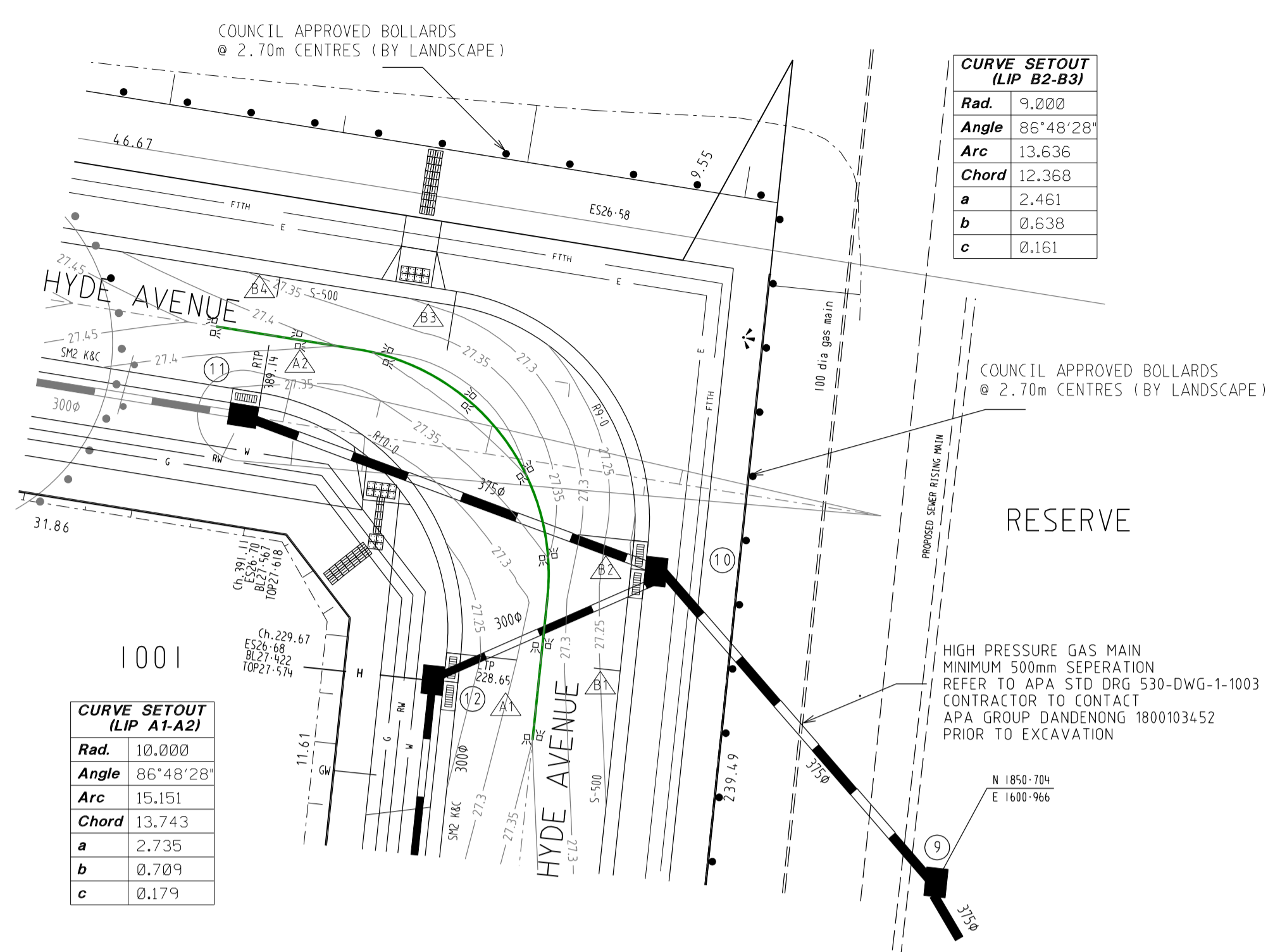


**EXISTING GAS MAIN BACKFILL DETAIL**



**SEMI-TRAILOR MANOEUVRE THRU ROUNDABOUT**

AMENDMENTS	VER.	DATE	REMARKS	<b>breese pitt dixon pty. ltd.</b> land surveyors      civil engineers 1/19 coto street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	<b>MELWAY REF.</b> 131-C-12 <b>SURVEY</b> B.P.D. <b>DESIGN</b> RK <b>DRAWN</b> RK <b>CHECKED</b>	<b>SCALE</b> AS SHOWN <b>DATUM</b> AHD <b>DATE</b> APR. 17	<b>MUNICIPALITY</b> CASEY <b>REFERENCE</b> 8129 E/10	SHEET 5 OF 31 P5



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

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

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

**SYMBOL LEGEND**

Drains	—	Ex/Natural/FS Level	-E28-57
Sewer <300	—	FS @ Building Line	8L28-57B
Sewer >300	—	Top/Toe of Batter	10P28-57B
Water	—	Top Ret. Wall Level	FW28-57
House Drain	—	100yr Flood Level	FL28-57
Property Inlet	—	Fill Prop/Ex	—
Street Sign	—	Cut Prop/Ex	—
PSM	—		
Retaining Wall	—		
Conduits 50mm	—		
Conduits 100mm	—		
Ex Gas/Elect/Tel	—		

**AMENDMENTS**

VER.	DATE	REMARKS

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

MELWAY REF. 131-C-12

**SURVEY** B.P.D.  
**DESIGN** RK  
**DRAWN** RK

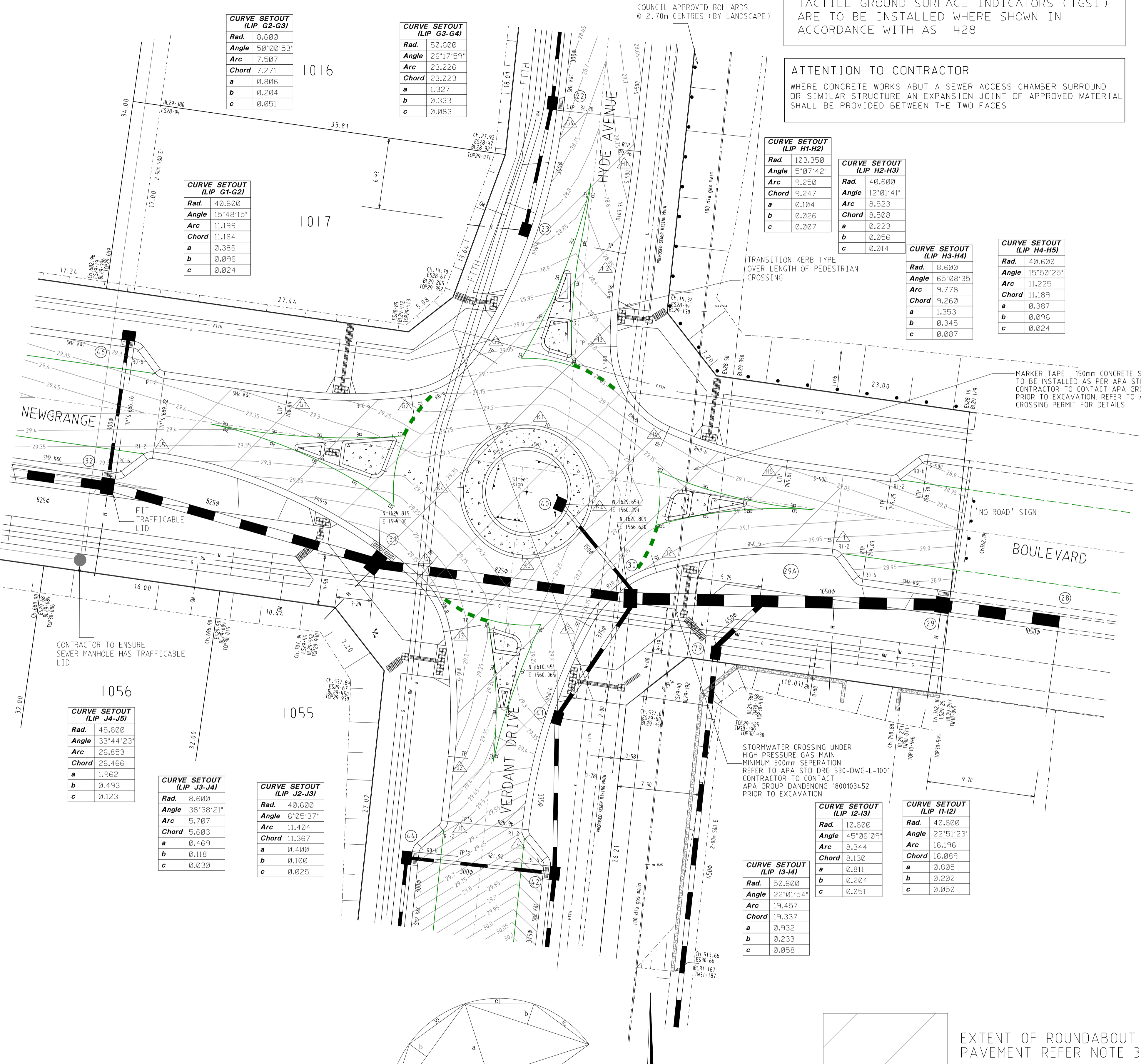
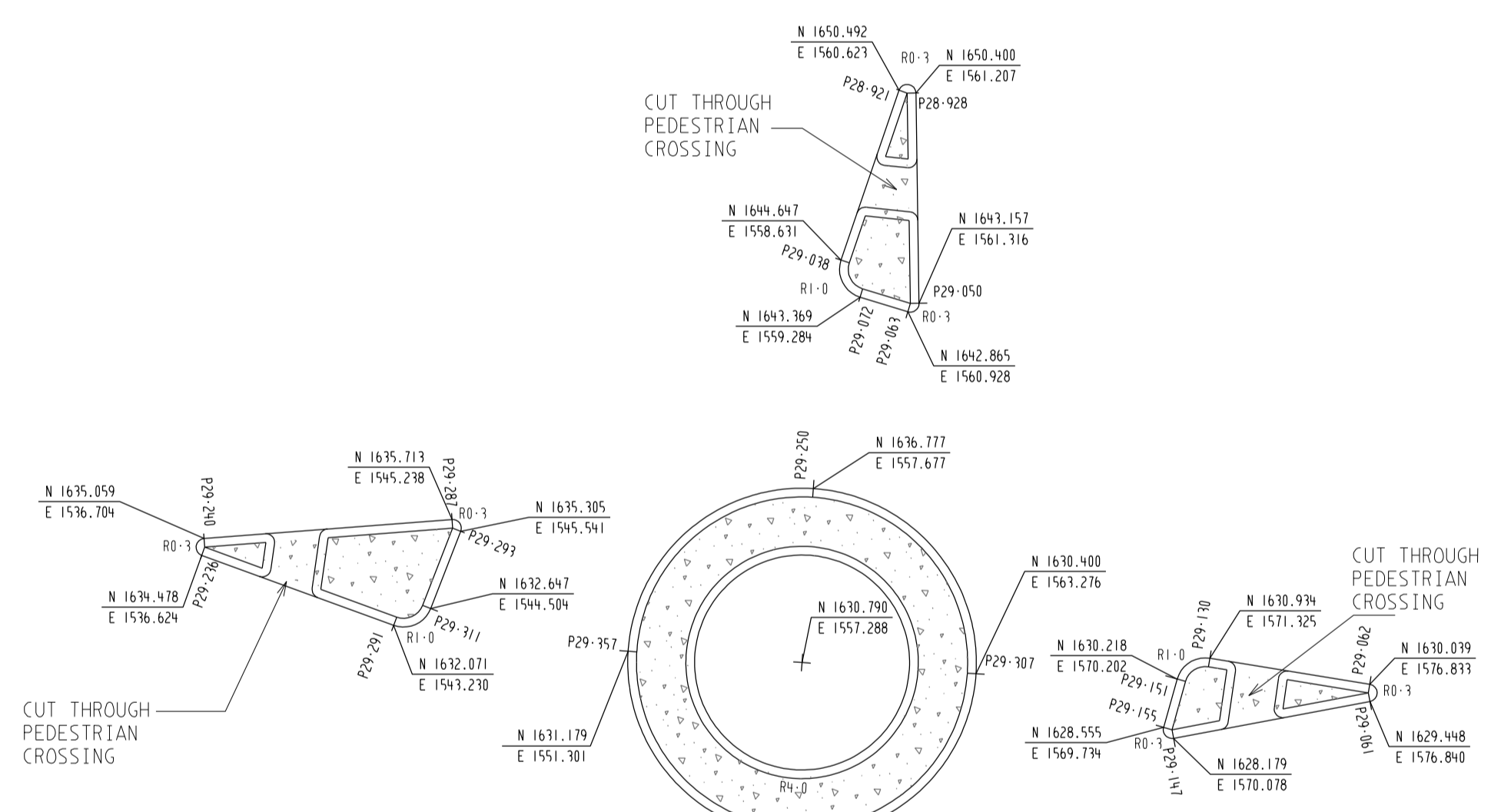
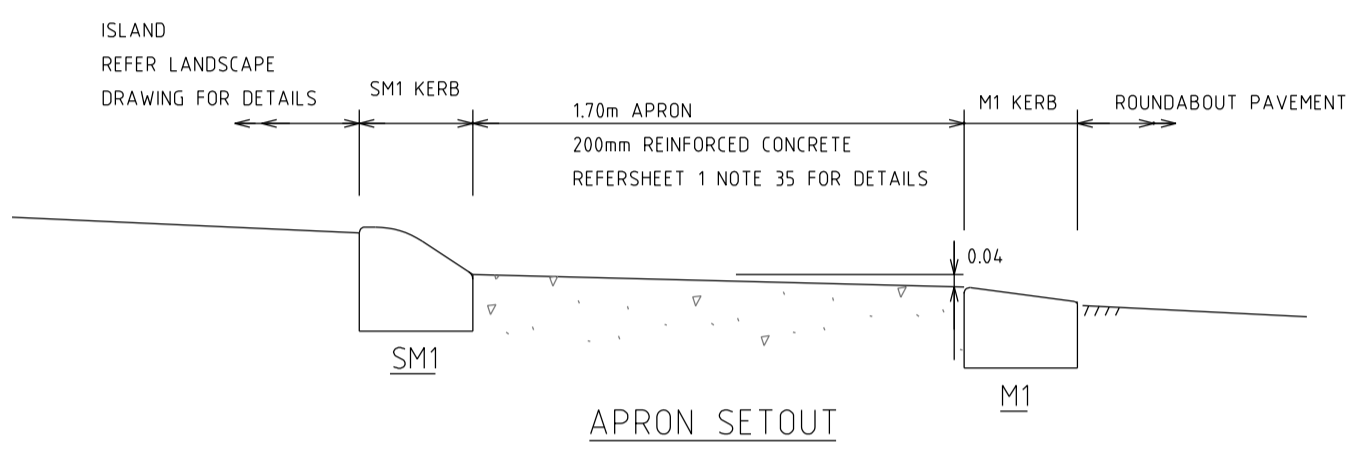
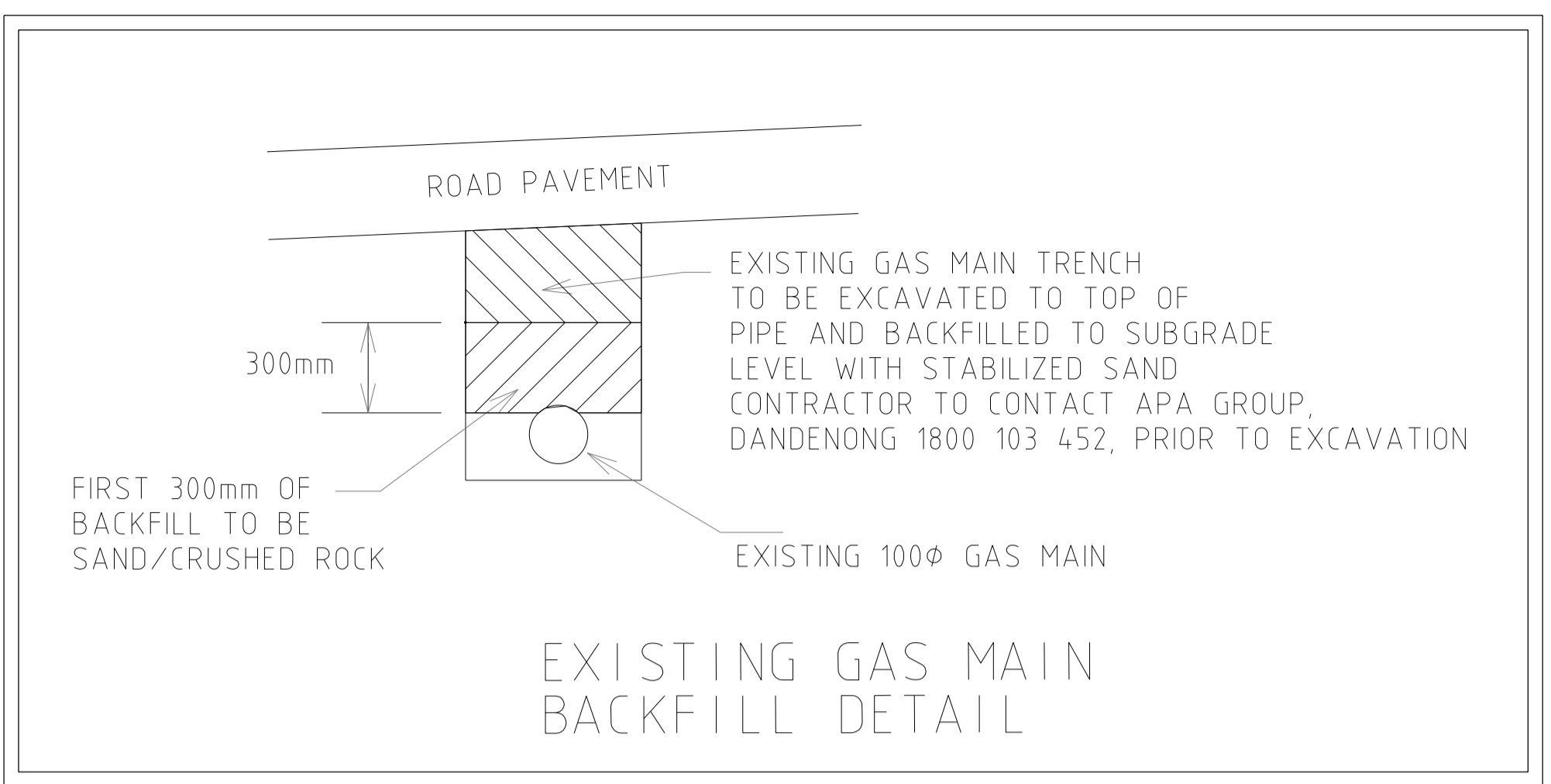
**MERIDIAN ESTATE STAGE 10**

**MUNICIPALITY** CASEY  
**REFERENCE** 8129 E/10

SCALE AS SHOWN DATUM AHD DATE APR. 17 SHEET 6 OF 31

TACTILE GROUND SURFACE INDICATORS (TGI) 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



**CURVE SETOUT (LIP G2-G3)**

Rad.	8.600
Angle	50°00'53"
Arc	7.507
Chord	7.271
a	0.806
b	0.204
c	0.051

**CURVE SETOUT (LIP G3-G4)**

Rad.	50.600
Angle	26°17'59"
Arc	23.226
Chord	23.023
a	1.327
b	0.333
c	0.083

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

Rad.	40.600
Angle	15°48'15"
Arc	11.199
Chord	11.164
a	0.386
b	0.096
c	0.024

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

Rad.	103.350
Angle	5°07'42"
Arc	9.250
Chord	9.247
a	0.104
b	0.026
c	0.007

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

Rad.	40.600
Angle	12°01'41"
Arc	8.523
Chord	8.508
a	0.223
b	0.056
c	0.014

**CURVE SETOUT (LIP H3-H4)**

Rad.	8.600
Angle	65°08'35"
Arc	9.778
Chord	9.260
a	1.353
b	0.345
c	0.087

**CURVE SETOUT (LIP H4-H5)**

Rad.	40.600
Angle	15°50'25"
Arc	11.225
Chord	11.189
a	0.387
b	0.096
c	0.024

**CURVE SETOUT (LIP J4-J5)**

Rad.	45.600
Angle	33°44'23"
Arc	26.853
Chord	26.466
a	1.962
b	0.493
c	0.123

**CURVE SETOUT (LIP J3-J4)**

Rad.	8.600
Angle	38°38'21"
Arc	5.707
Chord	5.603
a	0.469
b	0.118
c	0.030

**CURVE SETOUT (LIP J2-J3)**

Rad.	40.600
Angle	6°05'37"
Arc	11.404
Chord	11.367
a	0.400
b	0.100
c	0.025

**CURVE SETOUT (LIP I3-I4)**

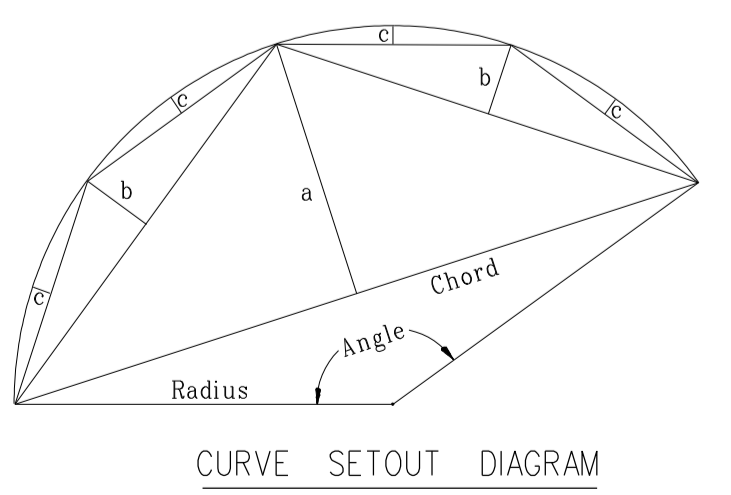
Rad.	50.600
Angle	22°01'54"
Arc	19.457
Chord	19.337
a	0.932
b	0.233
c	0.058

**CURVE SETOUT (LIP I2-I3)**

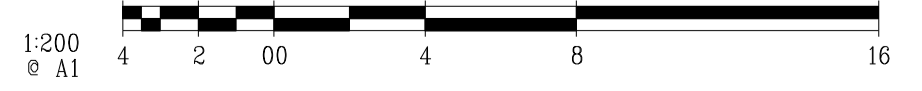
Rad.	10.600
Angle	45°06'09"
Arc	8.344
Chord	8.130
a	0.811
b	0.204
c	0.051

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

Rad.	40.600
Angle	22°51'23"
Arc	16.196
Chord	16.089
a	0.805
b	0.202
c	0.050



INTERSECTION DETAILS



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

**SYMBOL LEGEND**

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

**AMENDMENTS**

VER.	DATE	REMARKS

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

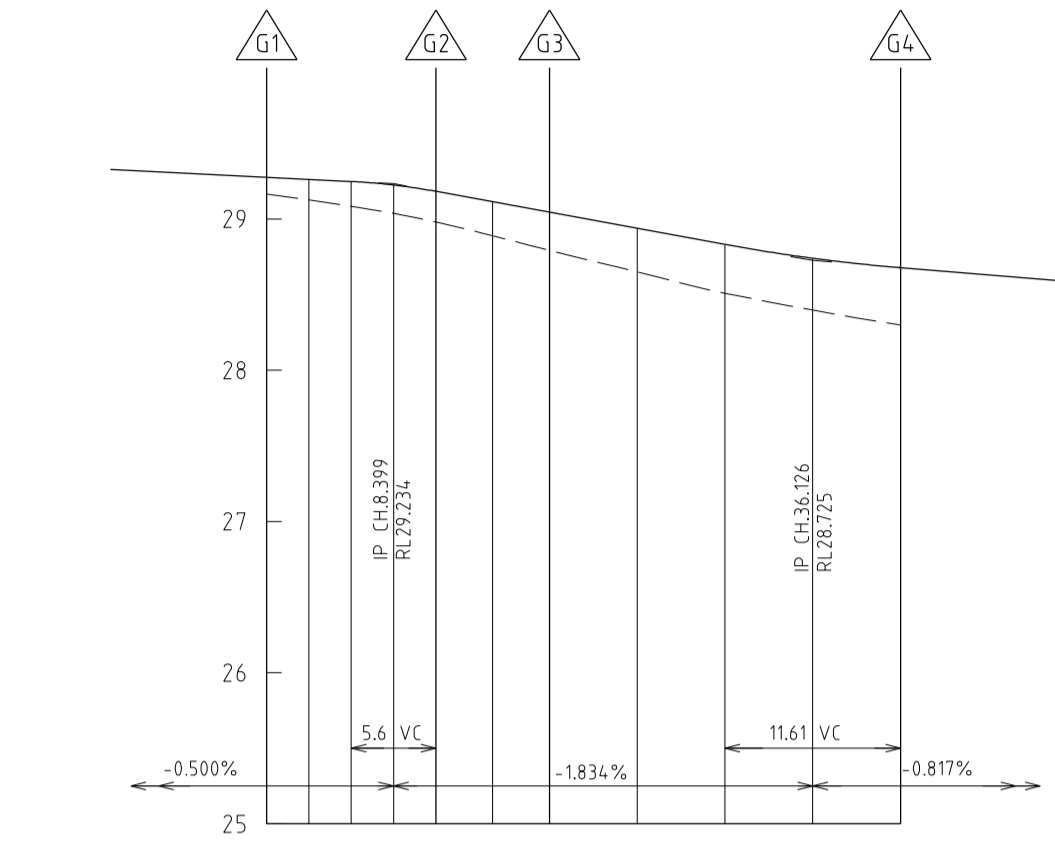
1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310

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

**MERIDIAN ESTATE**  
STAGE 10

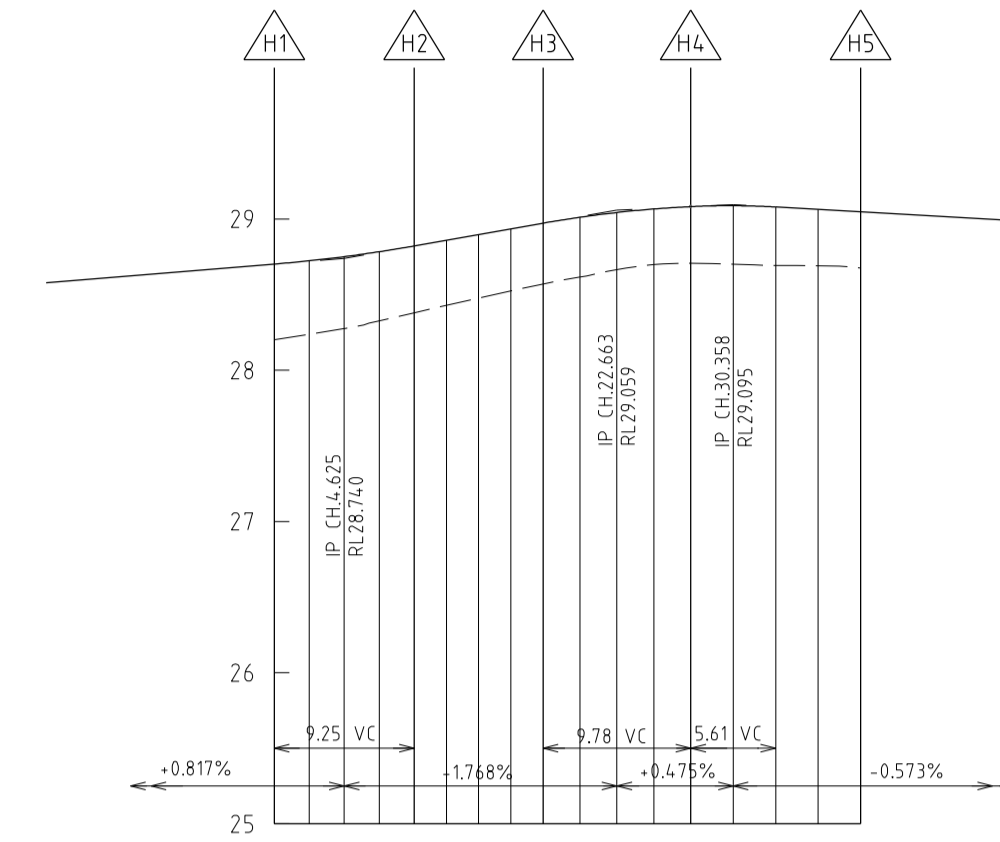
MUNICIPALITY CASEY  
REFERENCE 8129 E/10  
SHEET 7 OF 31 P5

SCALE AS SHOWN DATUM AHD DATE APR. 17



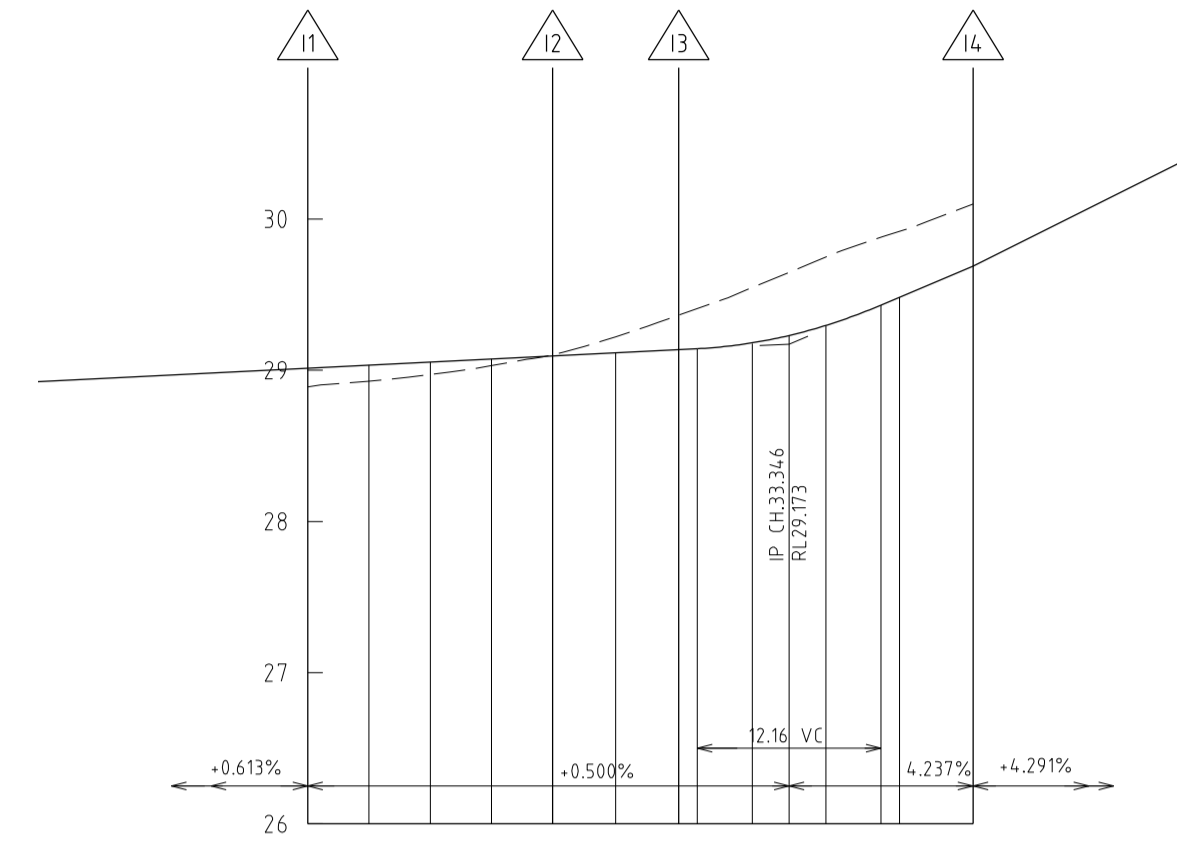
LIP LINE G

SCALE (DA1)  
H1500  
V1500



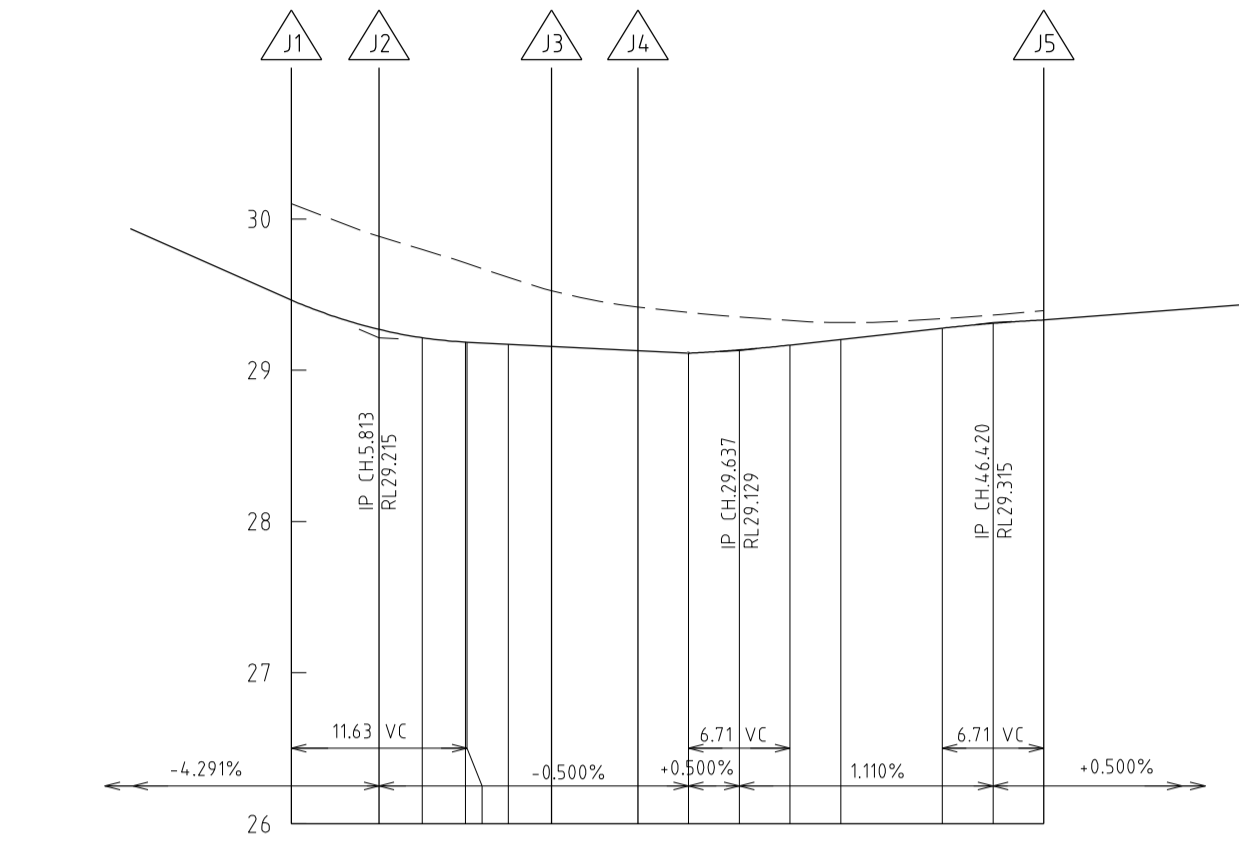
LIP LINE H

SCALE (DA1)  
H1500  
V1500



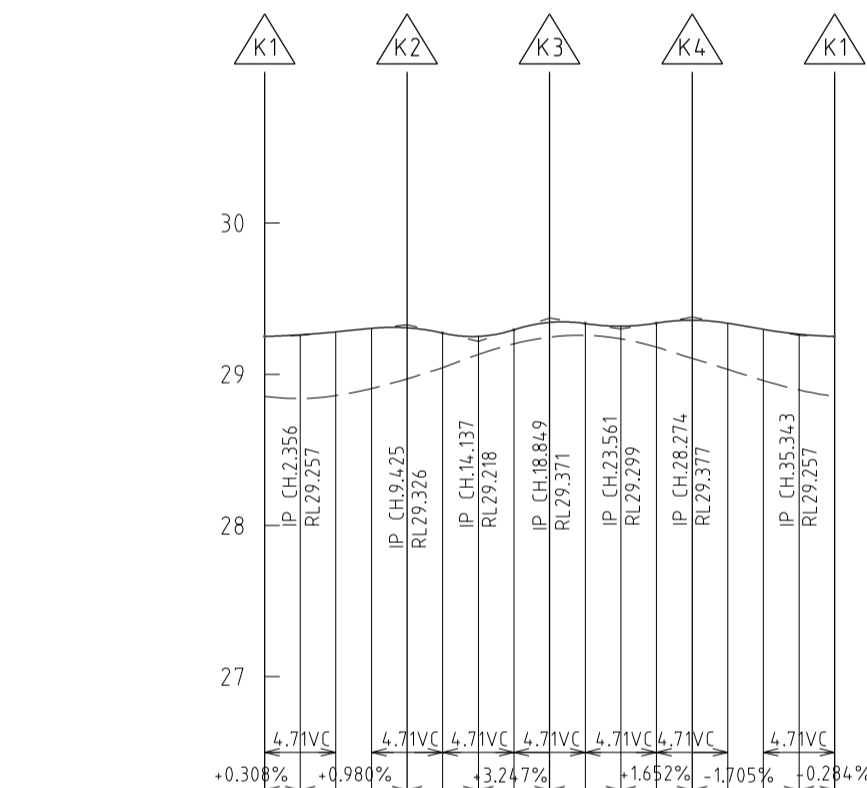
LIP LINE I

SCALE (DA1)  
H1500  
V1500




LIP LINE J

SCALE (DA1)  
H1500  
V1500



LIP LINE K

SCALE (DA1)  
H1500  
V1500

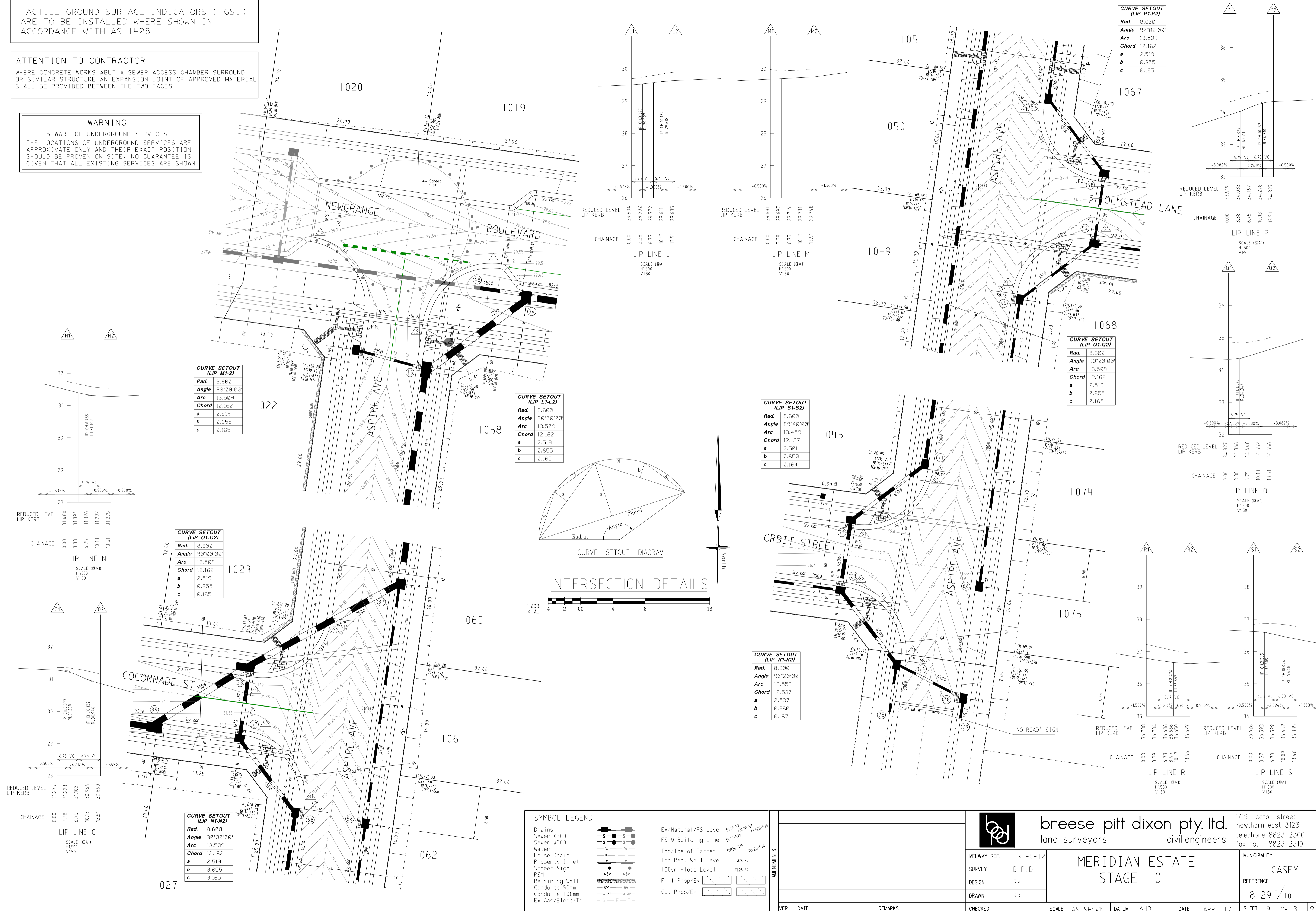
AMENDMENTS		 <b>breese pitt dixon pty. ltd.</b> land surveyors      civil engineers	1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	MUNICIPALITY	
VER	DATE			CASEY	
REMARKS				REFERENCE	
CHECKED				8129 E/10	
				SHEET 8 OF 31 P5	
MELWAY REF. 131-C-12		MERIDIAN ESTATE STAGE 10		DATE APR. 17	
SURVEY B.P.D.		SCALE AS SHOWN		DATUM AHD	
DESIGN RK		DATE		APR. 17	
DRAWN RK		MUNICIPALITY		CASEY	
		REFERENCE		8129 E/10	
		SHEET		8 OF 31 P5	



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



**CURVE SETOUT (LIP P1-P2)**

Rad.	8.600
Angle	90°00'00"
Arc	13.509
Chord	12.162
a	2.519
b	0.655
c	0.165

**CURVE SETOUT (LIP Q1-Q2)**

Rad.	8.600
Angle	90°00'00"
Arc	13.509
Chord	12.162
a	2.519
b	0.655
c	0.165

**CURVE SETOUT (LIP S1-S2)**

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 R1-R2)**

Rad.	8.600
Angle	90°20'00"
Arc	13.559
Chord	12.537
a	2.537
b	0.660
c	0.167

**CURVE SETOUT (LIP M1-2)**

Rad.	8.600
Angle	90°00'00"
Arc	13.509
Chord	12.162
a	2.519
b	0.655
c	0.165

**CURVE SETOUT (LIP L1-L2)**

Rad.	8.600
Angle	90°00'00"
Arc	13.509
Chord	12.162
a	2.519
b	0.655
c	0.165

**CURVE SETOUT (LIP O1-O2)**

Rad.	8.600
Angle	90°00'00"
Arc	13.509
Chord	12.162
a	2.519
b	0.655
c	0.165

**LIP LINE N**

REDUCED LEVEL LIP KERB	314.80	313.94	313.26	312.92	312.75
CHAINAGE	0.00	3.38	6.75	10.13	13.51

**LIP LINE O**

REDUCED LEVEL LIP KERB	312.75	312.23	31.102	30.964	30.860
CHAINAGE	0.00	3.38	6.75	10.13	13.51

**LIP LINE P**

REDUCED LEVEL LIP KERB	33.919	34.033	34.167	34.278	34.377
CHAINAGE	0.00	3.38	6.75	10.13	13.51

**LIP LINE Q**

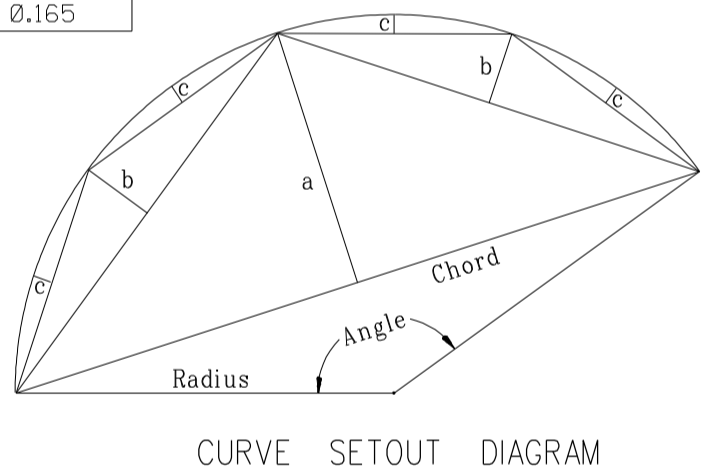
REDUCED LEVEL LIP KERB	34.327	34.366	34.448	34.552	34.656
CHAINAGE	0.00	3.38	6.75	10.13	13.51

**LIP LINE R**

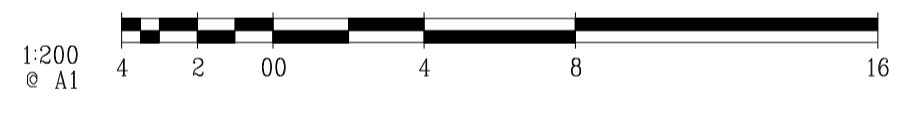
REDUCED LEVEL LIP KERB	36.788	36.734	36.686	36.656	36.627
CHAINAGE	0.00	3.39	6.78	10.17	13.56

**LIP LINE S**

REDUCED LEVEL LIP KERB	36.628	36.593	36.529	36.452	36.385
CHAINAGE	0.00	3.37	6.73	10.09	13.46



**INTERSECTION DETAILS**



**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**

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

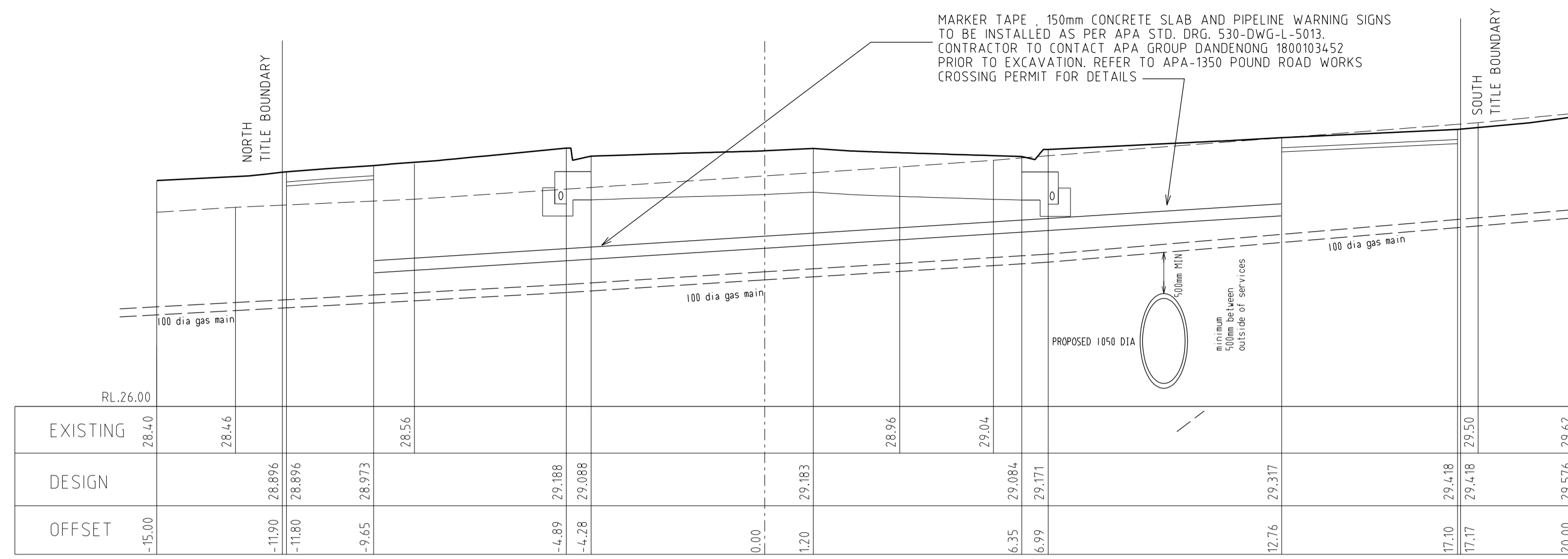
**MELWAY REF.** 131-C-12  
**SURVEY** B.P.D.  
**DESIGN** RK  
**DRAWN** RK

**MERIDIAN ESTATE STAGE 10**

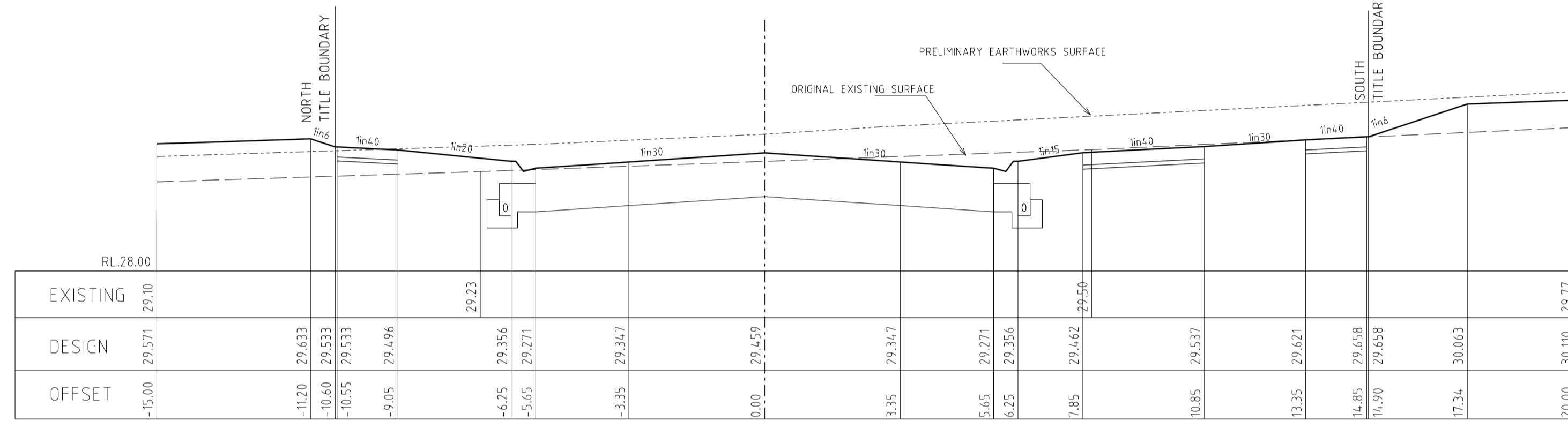
**MUNICIPALITY** CASEY  
**REFERENCE** 8129 E/10

**CHECKED** \_\_\_\_\_  
**SCALE** AS SHOWN **DATUM** AHD **DATE** APR. 17  
**SHEET** 9 OF 31 **P5**

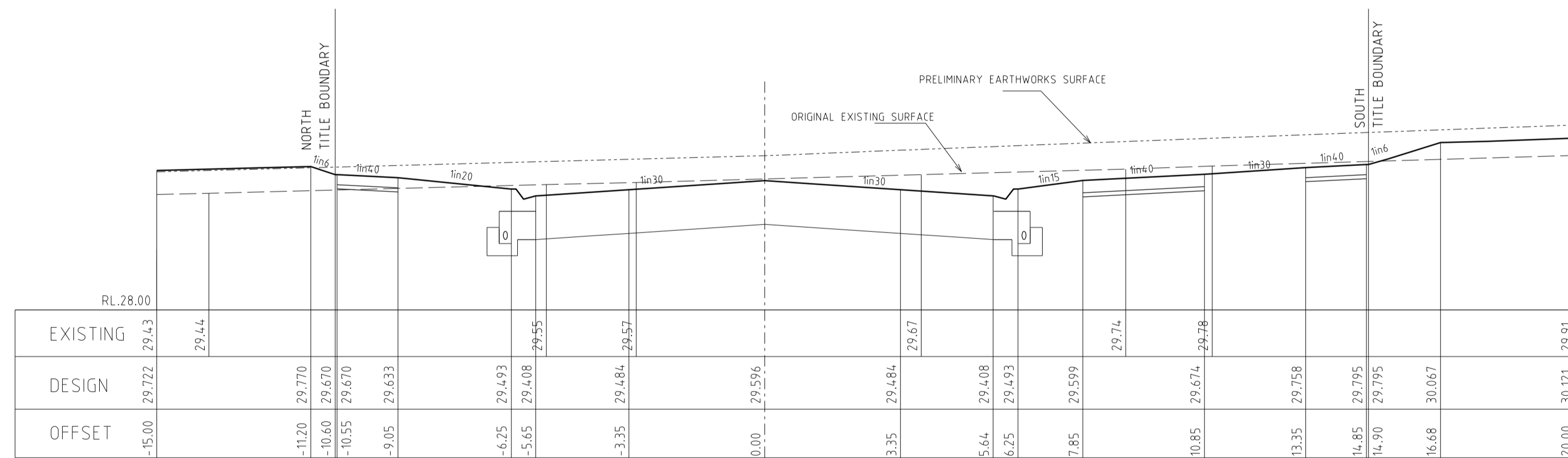




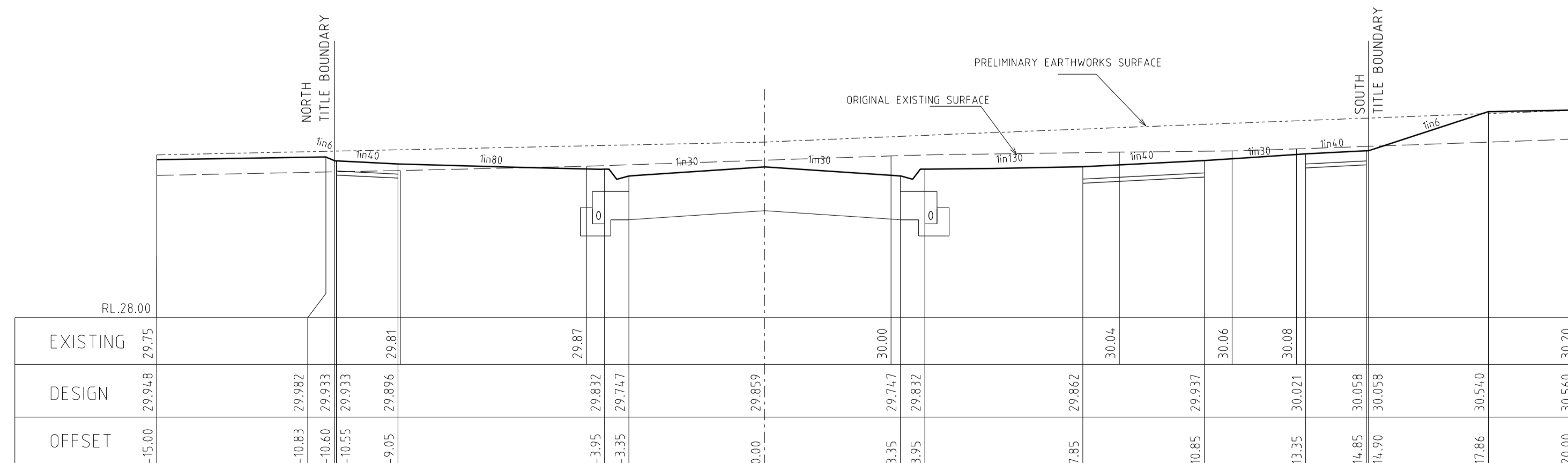
737.17 SECTION AT EXISTING GAS MAIN



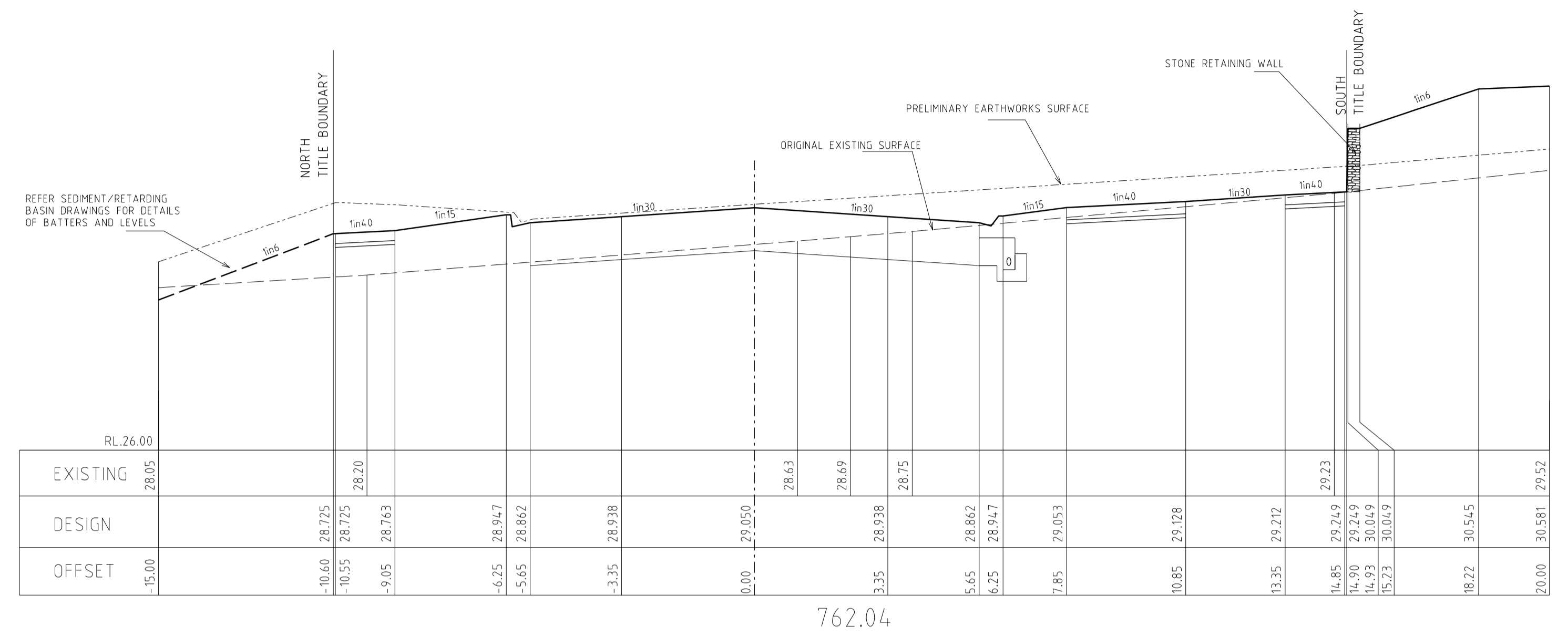
686.16



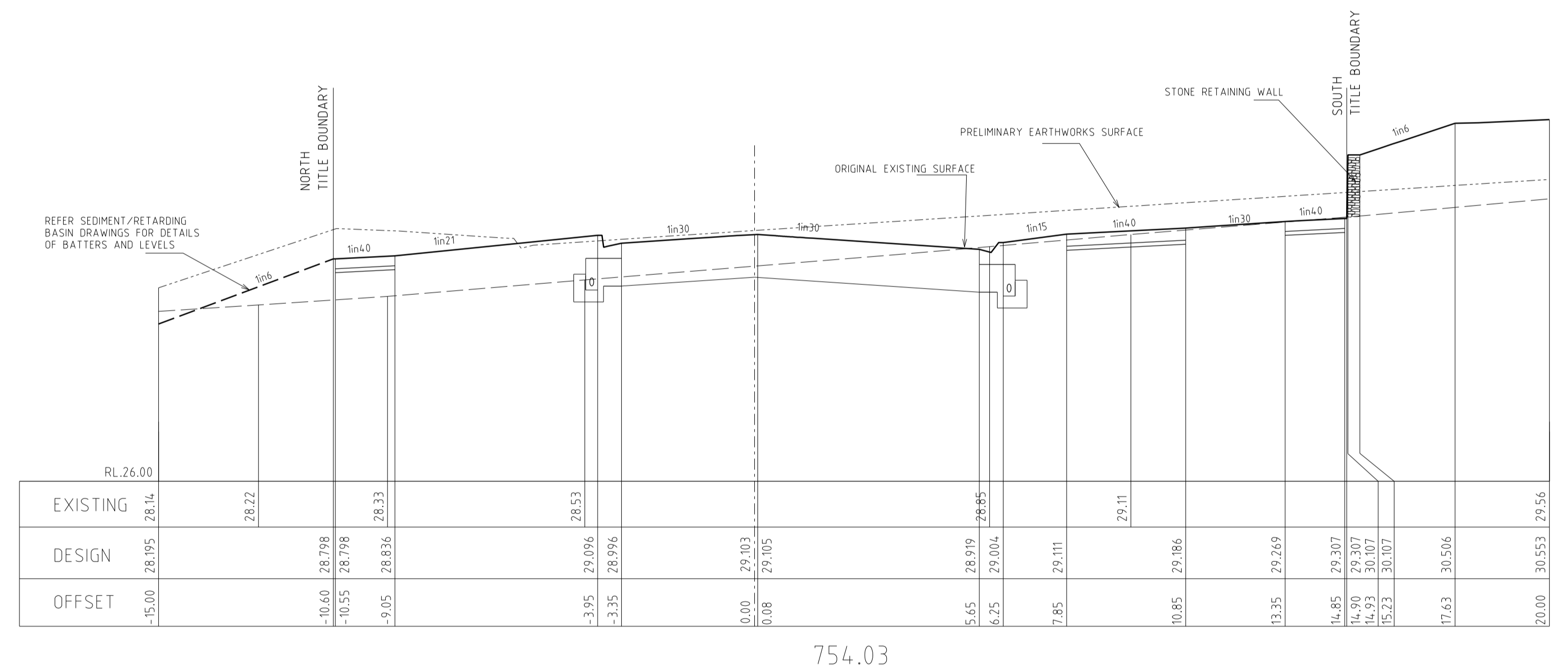
659.06



632.18



762.04

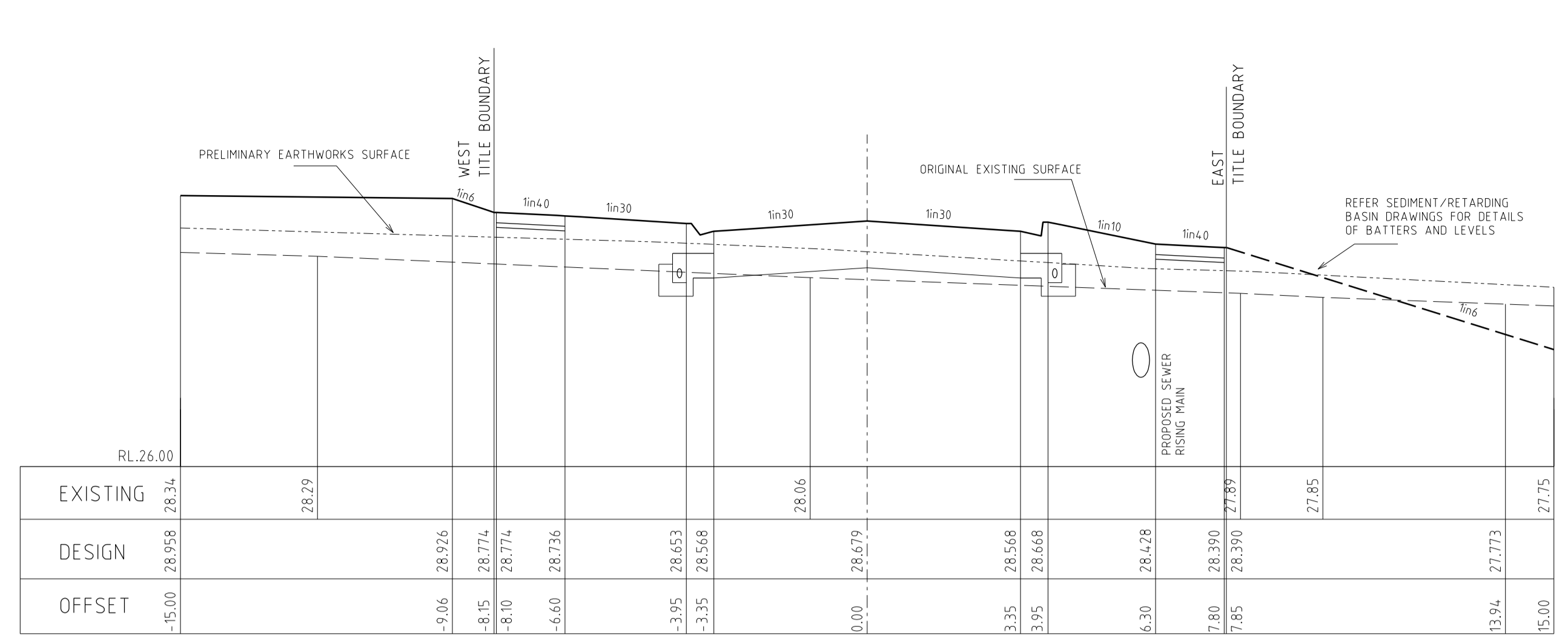
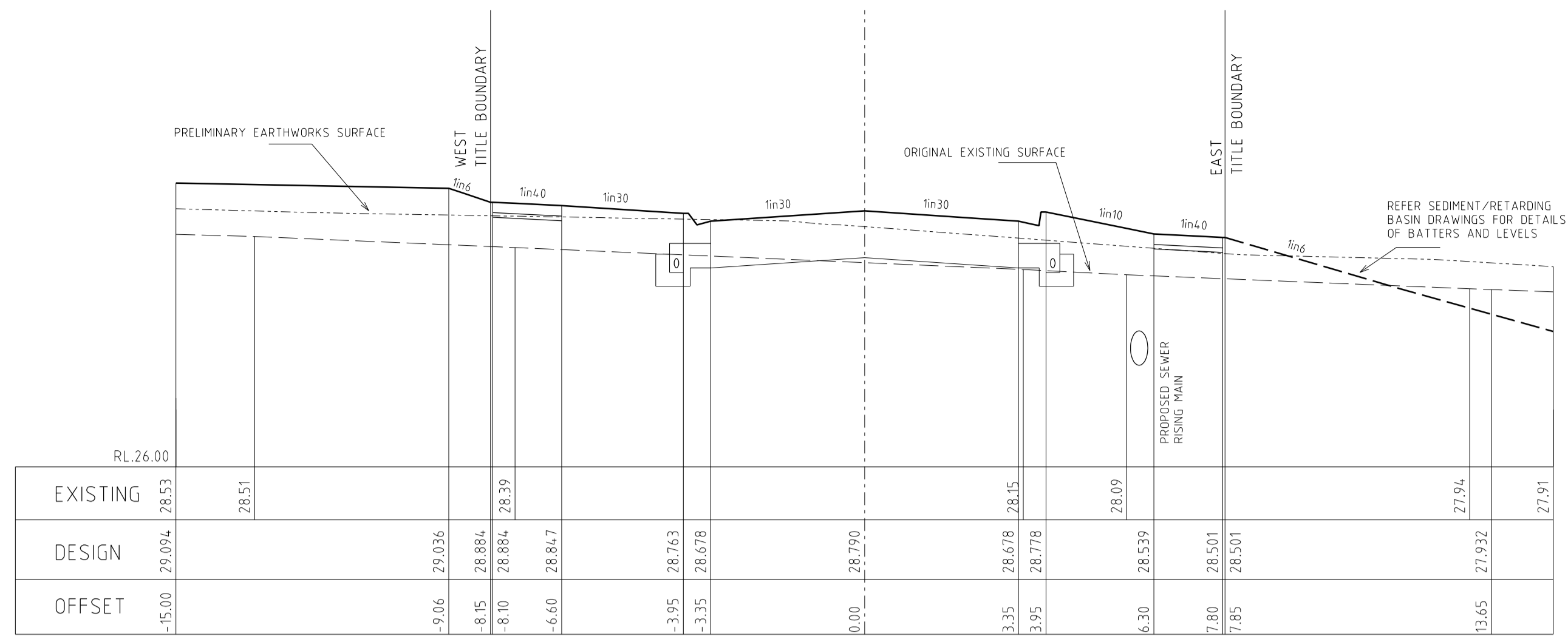


754.03

NEWGRANGE BOULEVARD CROSS SECTIONS

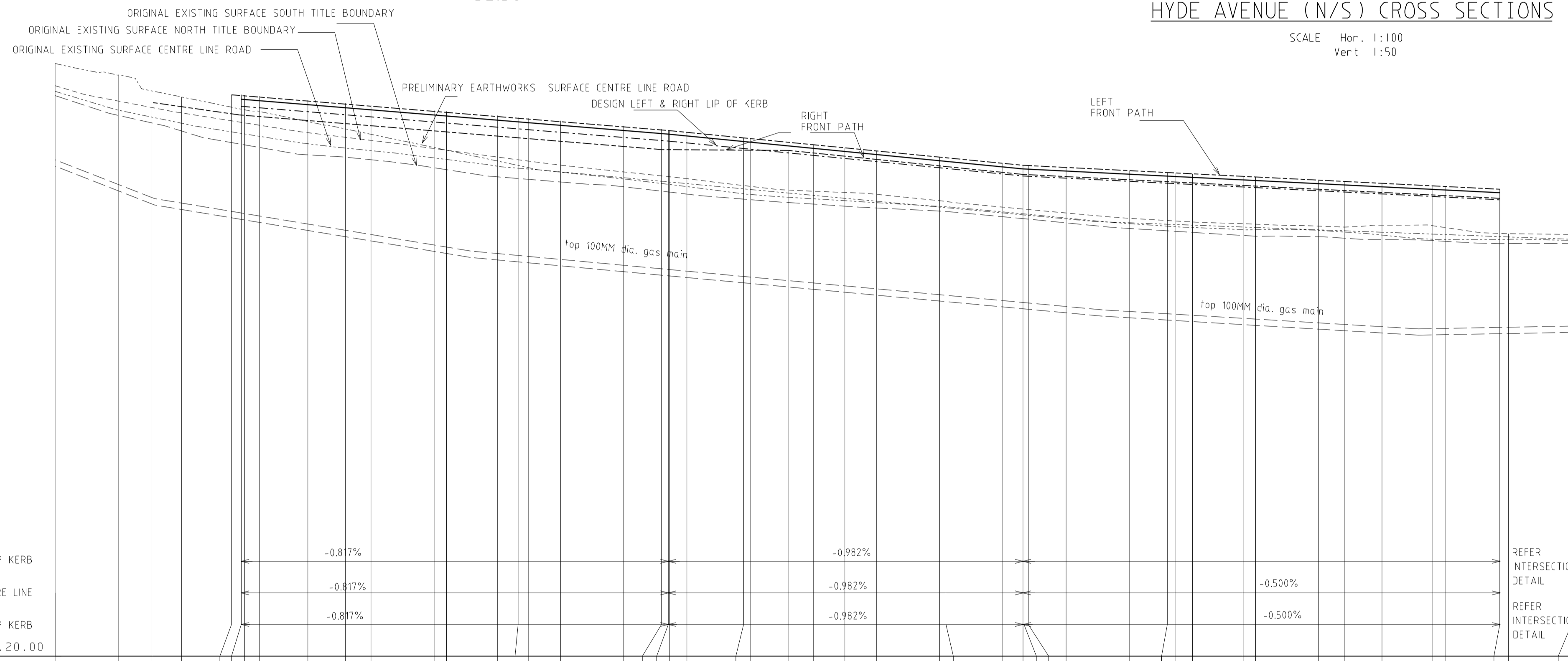
SCALE Hor. 1:100  
Vert 1:50

AMENDMENTS		<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		<b>MERIDIAN ESTATE</b> STAGE 10		MUNICIPALITY			
SURVEY B.P.D.				CASEY			
DESIGN RK				REFERENCE			
DRAWN RK		8129 E/10		SHEET 11 OF 31			
VER.	DATE	REMARKS	CHECKED	SCALE AS SHOWN	DATUM AHD	DATE APR. 17	P5



HYDE AVENUE (N/S) CROSS SECTIONS

SCALE Hor. 1:100  
Vert 1:50



ORIGINAL ES LEFT TITLE BOUNDARY	29.03	28.78	28.60	28.866	28.866	28.44	28.846	28.78	28.616	28.784	28.78	28.03	28.605	27.77	27.56	27.44	27.36	27.11	26.93	26.87	26.81	26.82	26.68	26.67																									
LEFT FRONT OF PATH				28.866	28.866	28.44	28.846	28.78	28.616	28.784	28.78	28.03	28.605	27.77	27.56	27.44	27.36	27.11	26.93	26.87	26.81	26.82	26.68	26.67																									
DESIGN LEFT LIP OF KERB				28.698	28.698	28.44	28.678	28.678	28.534	28.702	28.16	28.453	28.437	28.289	28.208	28.023	28.003	27.925	27.876	28.044	27.887	27.839	27.222	27.390	26.67																								
DESIGN CENTRE LINE				28.810	28.810	28.44	28.790	28.678	28.534	28.702	28.16	28.453	28.437	28.289	28.208	28.023	28.003	27.925	27.876	28.044	27.887	27.839	27.222	27.390	26.67																								
DESIGN RIGHT LIP OF KERB				28.698	28.698	28.44	28.790	28.678	28.534	28.702	28.16	28.453	28.437	28.289	28.208	28.023	28.003	27.925	27.876	28.044	27.887	27.839	27.222	27.390	26.67																								
RIGHT FRONT OF PATH				28.583	28.583	28.44	28.697	28.616	28.477	28.616	28.728	28.453	28.437	28.289	28.208	28.023	28.003	27.925	27.876	28.044	27.887	27.839	27.222	27.390	26.67																								
ORIGINAL ES RIGHT TITLE BOUNDARY	28.94	28.87	28.56	28.764	28.697	28.44	28.697	28.616	28.477	28.616	28.728	28.453	28.437	28.289	28.208	28.023	28.003	27.925	27.876	28.044	27.887	27.839	27.222	27.390	26.67																								
ES CENTRE LINE ROAD	28.94	28.87	28.56	28.764	28.697	28.44	28.697	28.616	28.477	28.616	28.728	28.453	28.437	28.289	28.208	28.023	28.003	27.925	27.876	28.044	27.887	27.839	27.222	27.390	26.67																								
CHAINAGE CENTRE LINE ROAD	0.05	10.00	15.32	20.00	27.97	29.46	30.00	32.38	40.00	45.93	50.00	60.00	61.95	70.00	73.79	74.96	80.00	90.00	95.97	97.30	97.41	100.00	108.98	110.00	116.12	120.00	124.99	130.00	140.00	141.00	150.00	153.20	154.01	160.00	170.00	176.02	177.26	180.00	186.03	190.00	200.00	204.04	210.00	218.05	220.00	228.05	230.00	240.00	240.37

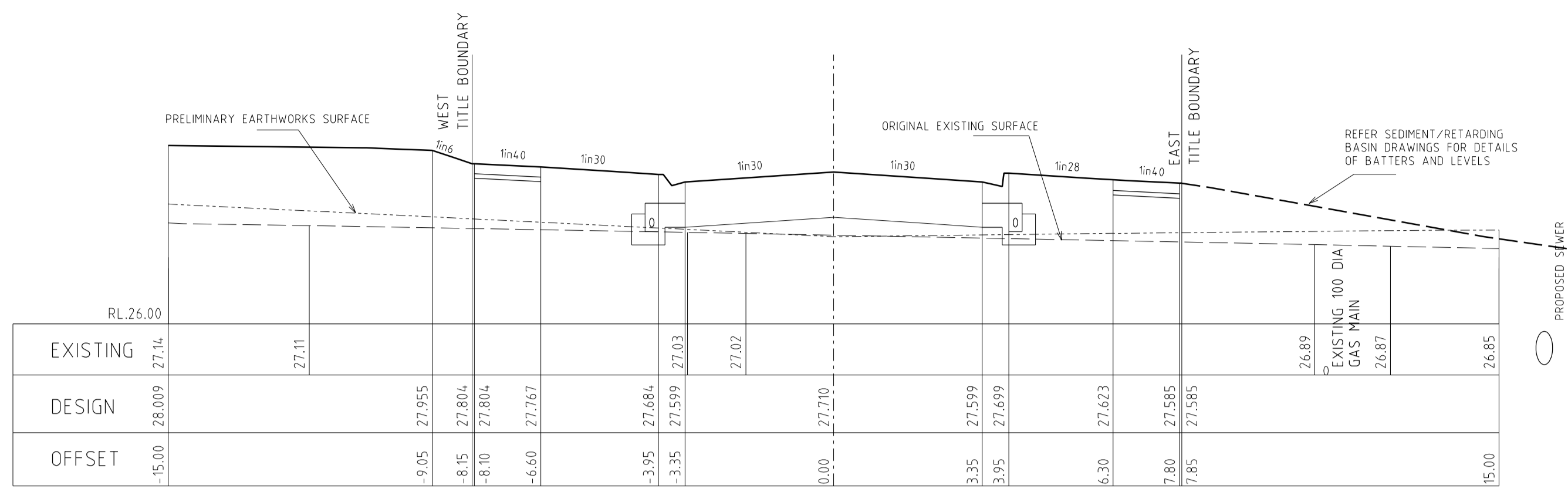
HYDE AVENUE (N/S) LONGITUDINAL SECTION

SCALE Hor. 1:500  
Vert 1:50

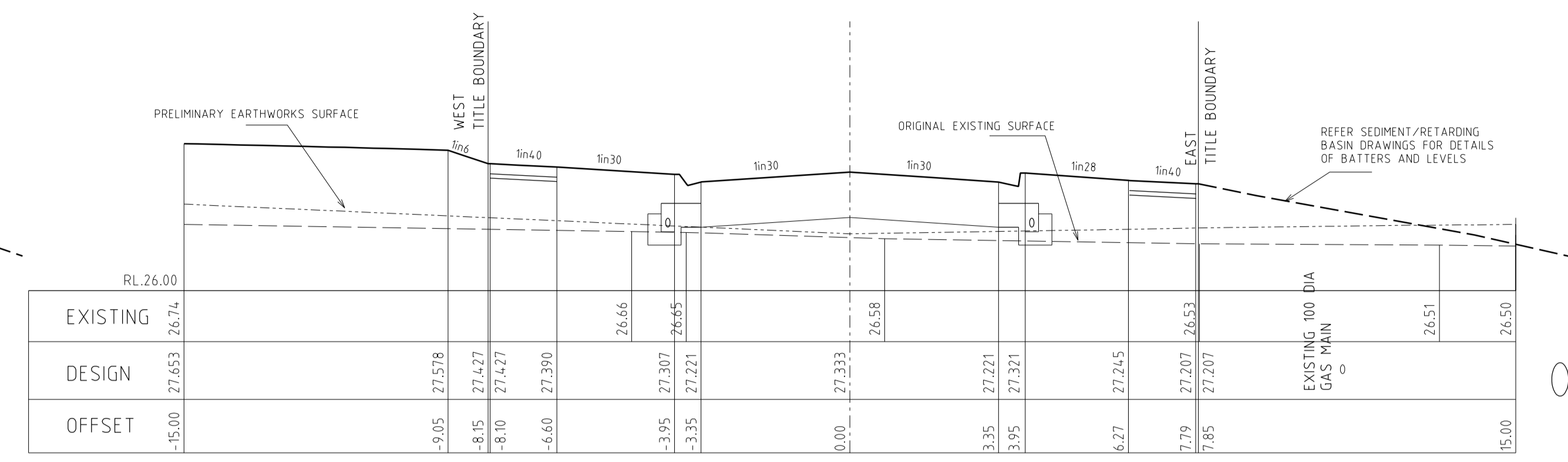
AMENDMENTS	VER.	DATE	REMARKS
<p>breese pitt dixon pty. ltd. land surveyors      civil engineers</p>			
MELWAY REF. 131-C-12		MUNICIPALITY CASEY	
SURVEY B.P.D.		REFERENCE 8129 E/10	
DESIGN RK		SHEET 12 OF 31	
DRAWN RK		DATE APR. 17	
CHECKED		SCALE AS SHOWN	
		DATUM AHD	
		DATE APR. 17	
		P5	

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

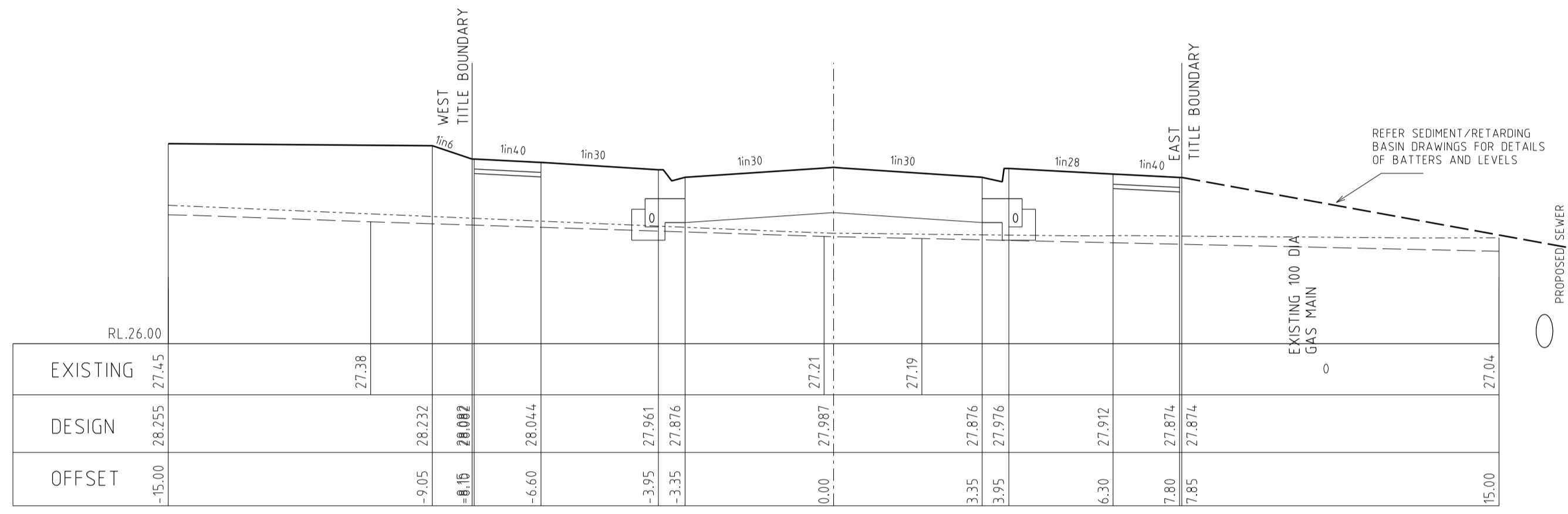
10/2018-01-01-DES-00A



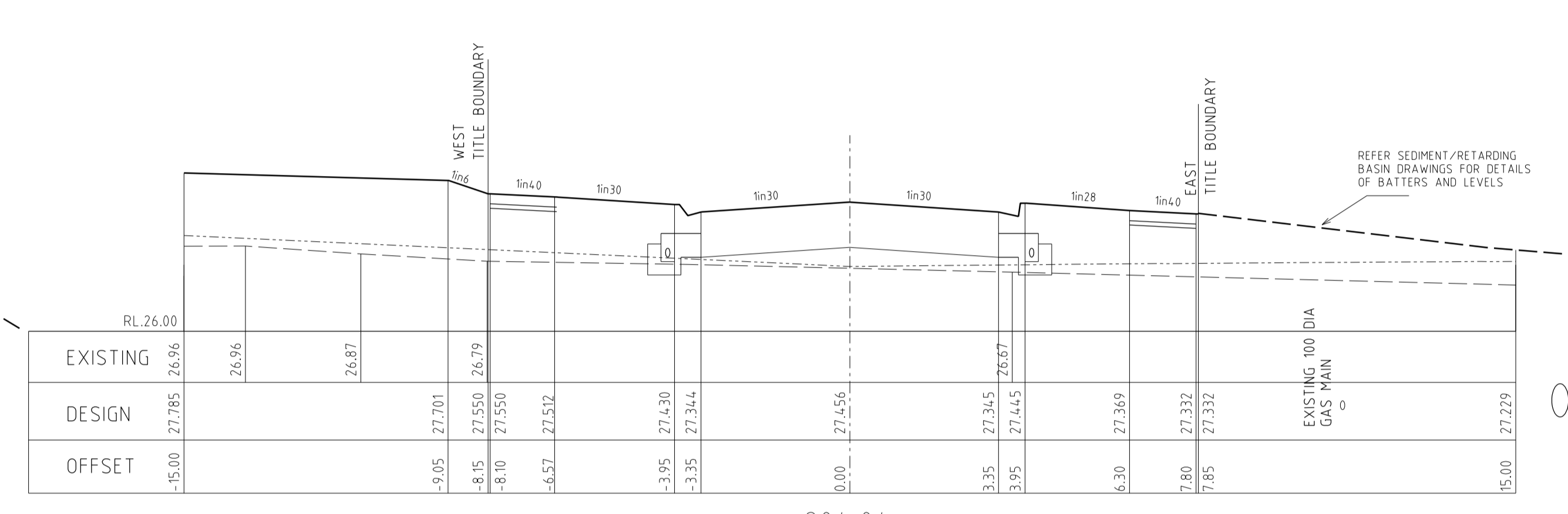
153.35



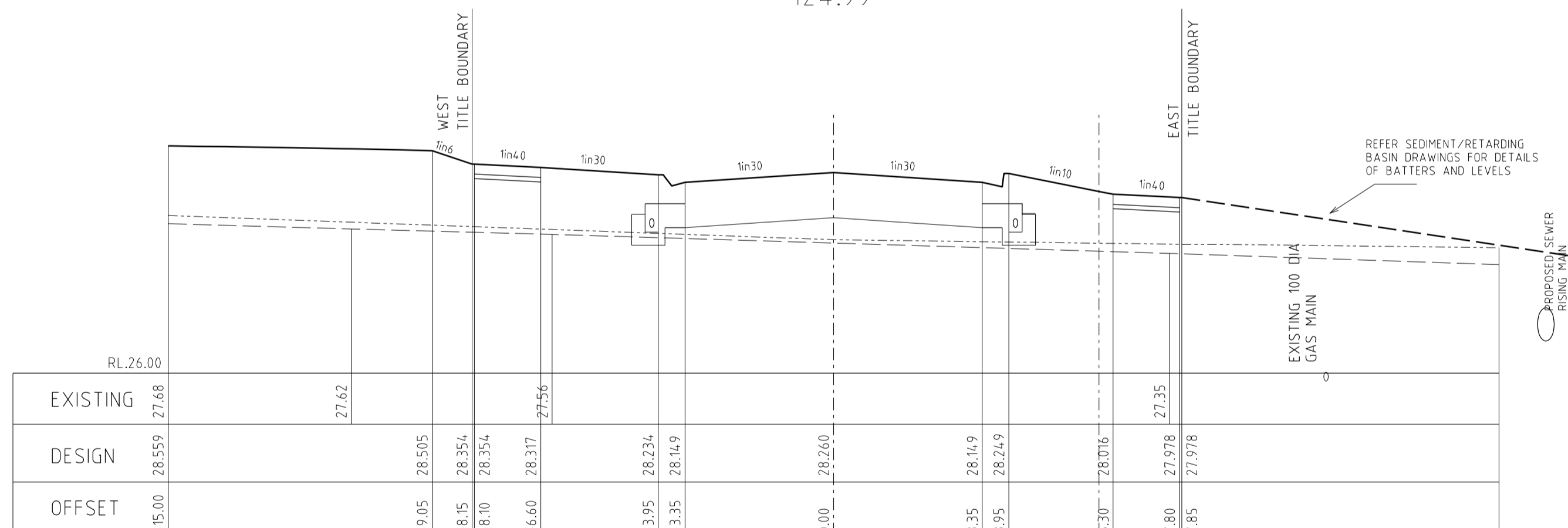
228.65



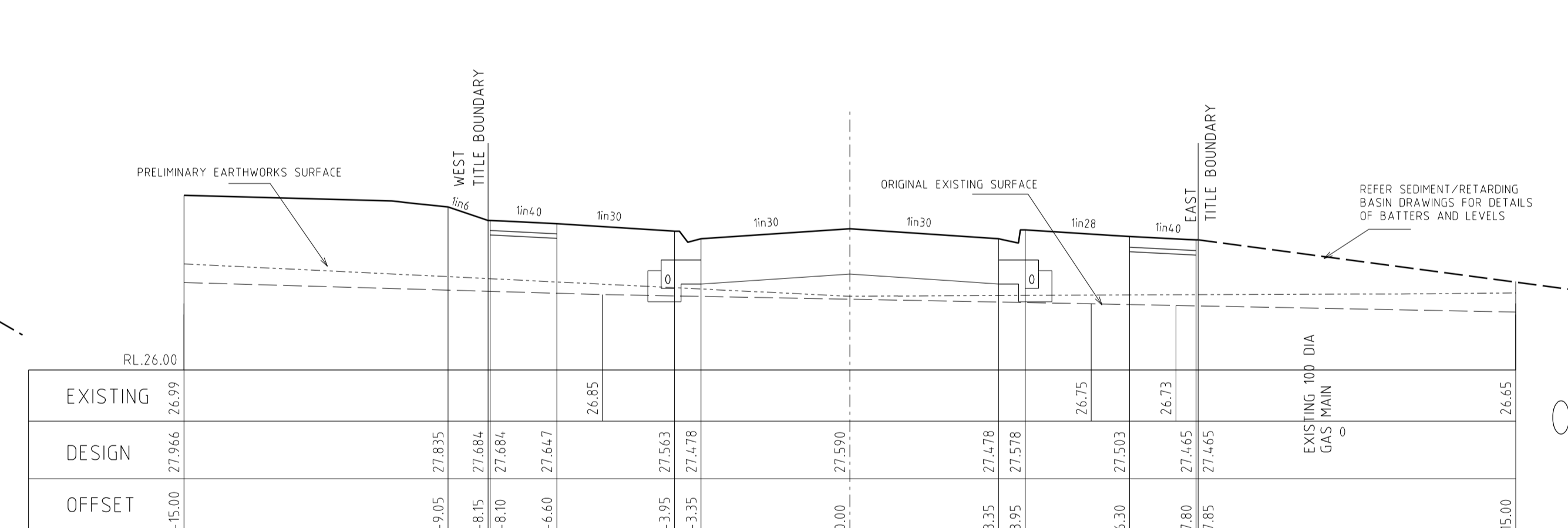
124.99



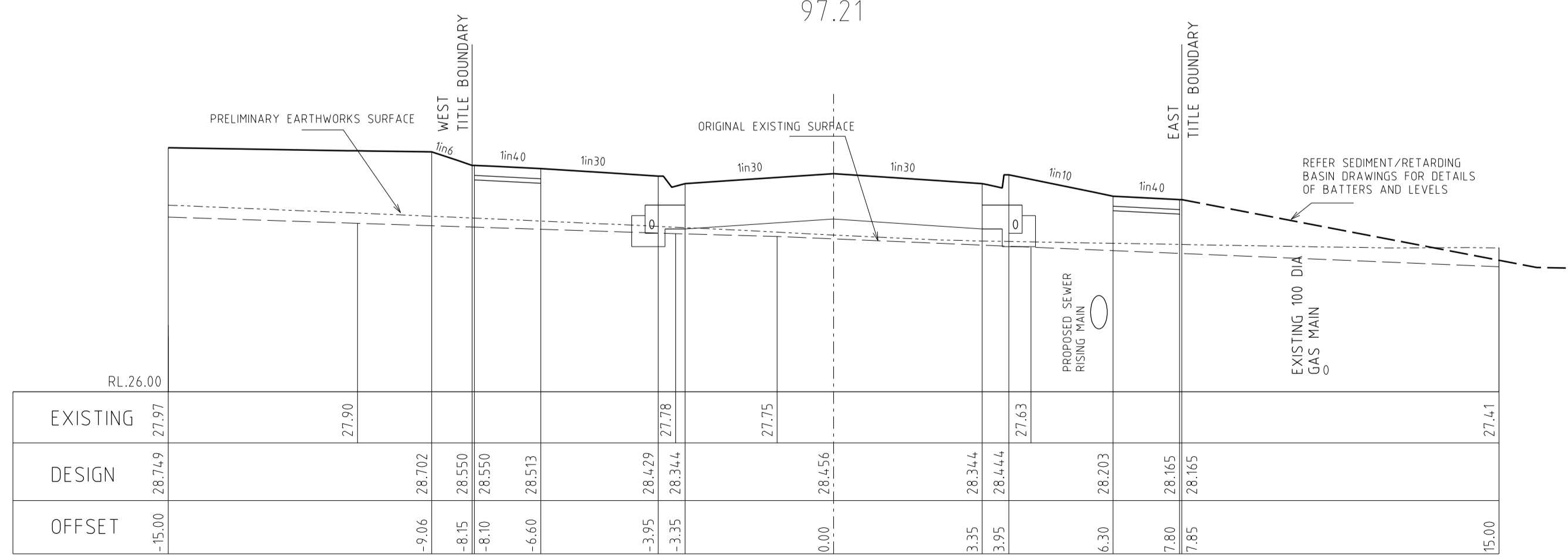
204.04



97.21



177.26



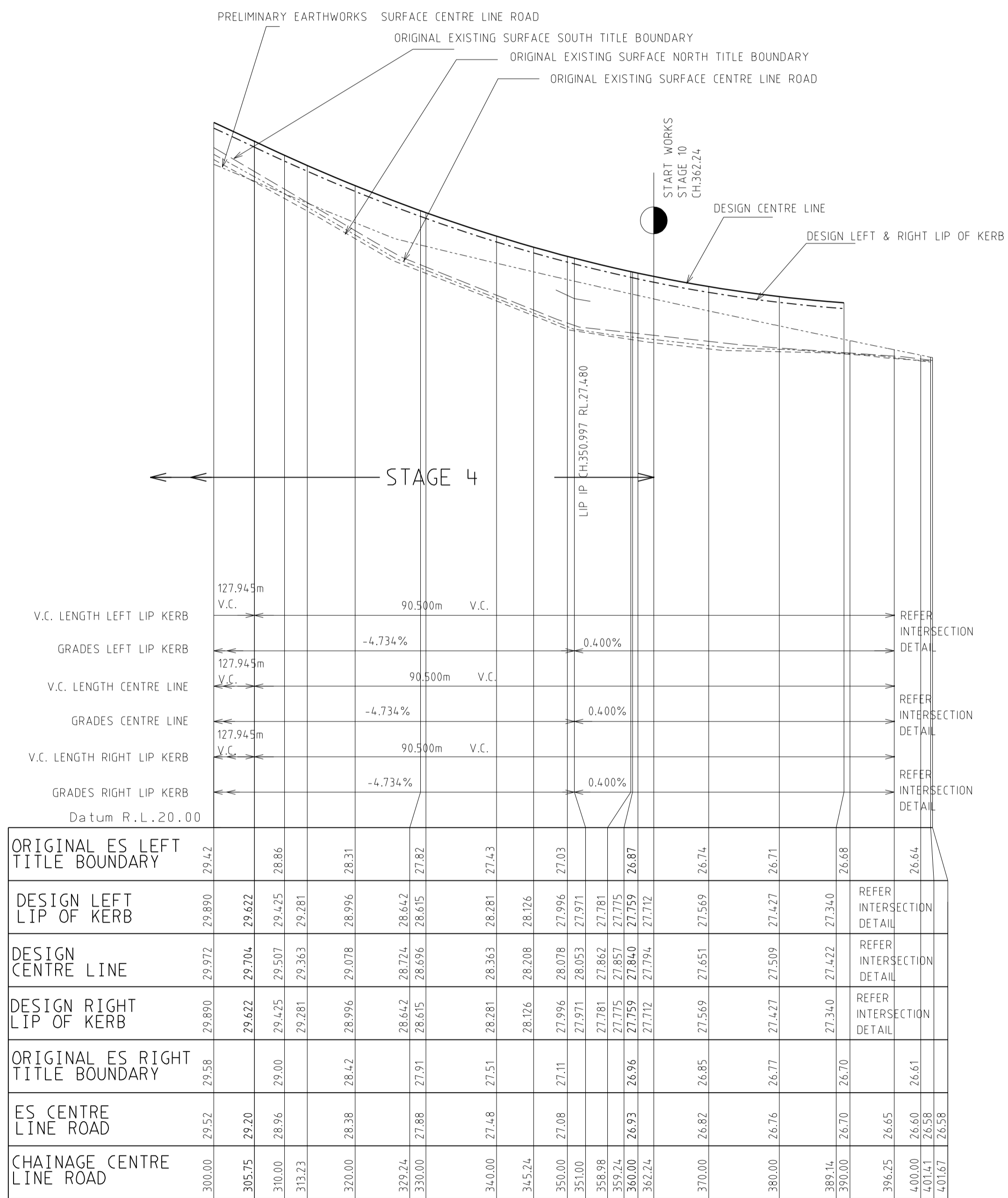
73.29

HYDE AVENUE (N/S) CROSS SECTIONS

SCALE Hor: 1:100  
Vert: 1:50

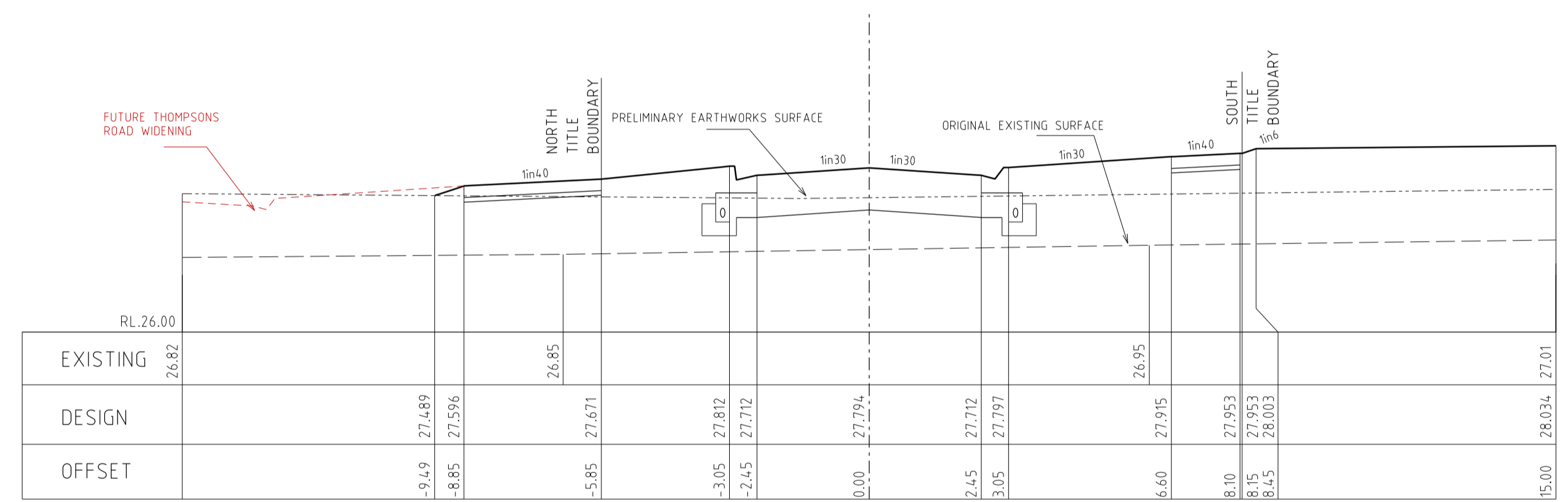
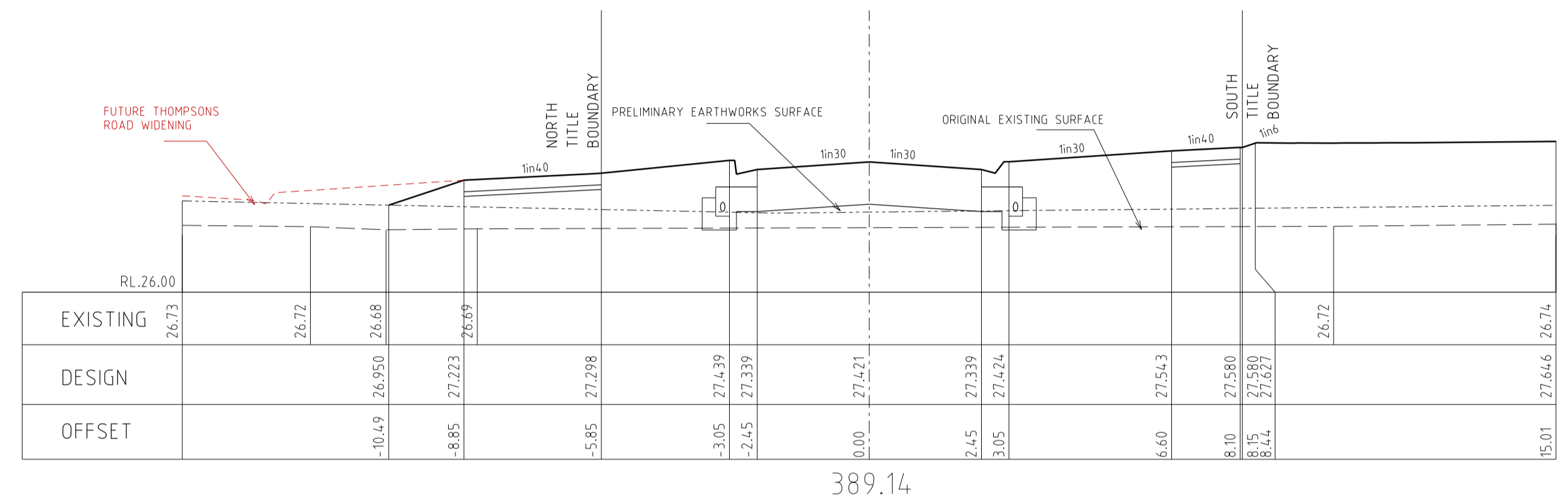
AMENDMENTS		MELWAY REF. 131-C-12		breese pitt dixon Pty. Ltd. land surveyors civil engineers		1/19 coto street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
SURVEY B.P.D.		DESIGN RK		DRAWN RK		MUNICIPALITY CASEY	
CHECKED		SCALE AS SHOWN		DATUM AHD		DATE APR. 17	
VER DATE		REMARKS		MERIDIAN ESTATE STAGE 10		REFERENCE 8129 E/10	
						SHEET 13 OF 31 P5	

D:\add - 8129\design\stage 10\2018-01-01\E10-DES.DWG



HYDE AVENUE E/W LONGITUDINAL SECTION

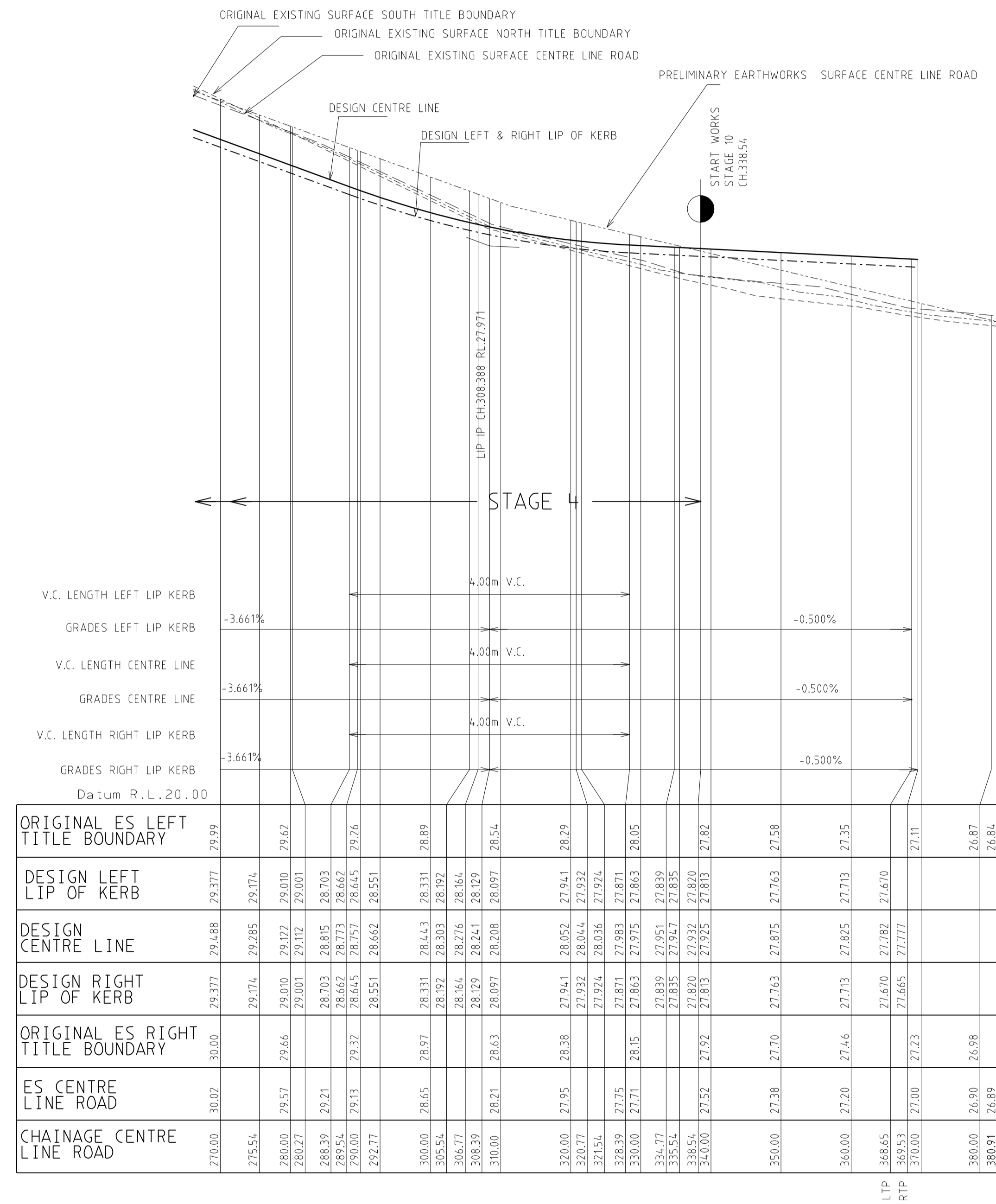
SCALE Hor. 1:500  
Vert 1:50



HYDE AVENUE (E/W) CROSS SECTIONS

SCALE Hor. 1:100  
Vert 1:50

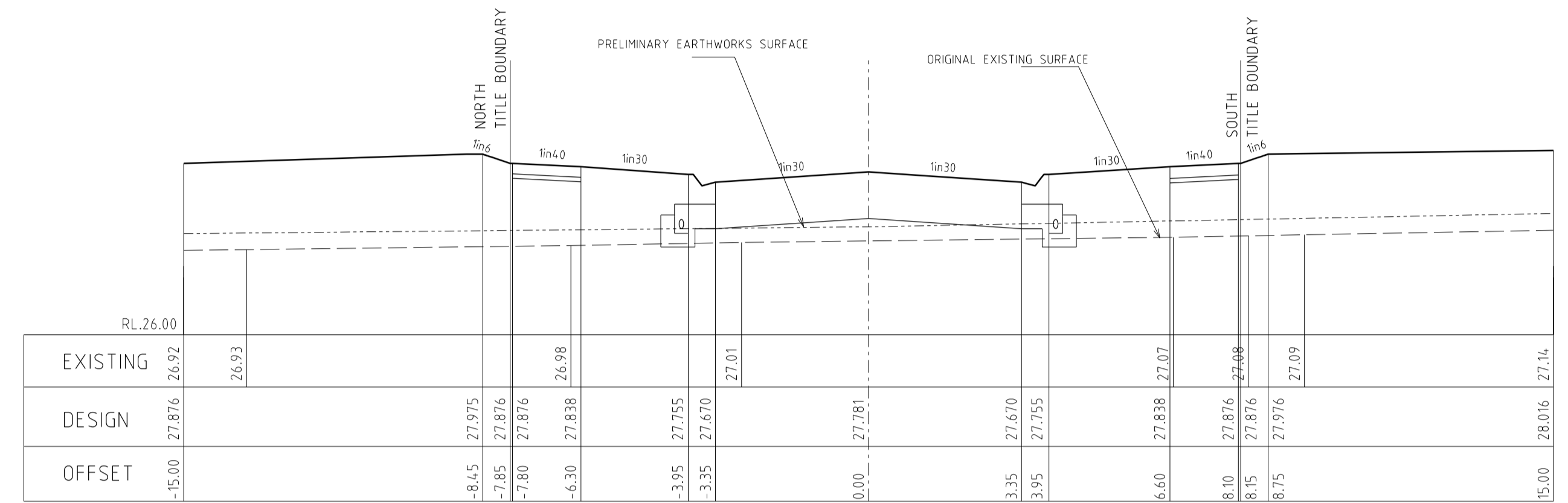
		<b>breese pitt dixon pty. ltd.</b> land surveyors civil engineers		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
MELWAY REF. 131-C-12 SURVEY B.P.D. DESIGN RK DRAWN RK		<b>MERIDIAN ESTATE</b> STAGE 10		MUNICIPALITY CASEY REFERENCE 8129 E/10	
VER. DATE AMENDMENTS	CHECKED	SCALE AS SHOWN DATUM AHD	DATE APR. 17	SHEET 14 OF 31	P5



V.C. LENGTH LEFT LIP KERB	4.00m V.C.	
GRADES LEFT LIP KERB	-3.661%	-0.500%
V.C. LENGTH CENTRE LINE	4.00m V.C.	
GRADES CENTRE LINE	-3.661%	-0.500%
V.C. LENGTH RIGHT LIP KERB	4.00m V.C.	
GRADES RIGHT LIP KERB	-3.661%	-0.500%
Datum R.L. 20.00		
ORIGINAL ES LEFT TITLE BOUNDARY	29.99	26.87
DESIGN LEFT LIP OF KERB	29.377	26.87
DESIGN CENTRE LINE	29.488	27.11
DESIGN RIGHT LIP OF KERB	29.377	27.11
ORIGINAL ES RIGHT TITLE BOUNDARY	30.00	26.87
ES CENTRE LINE ROAD	30.02	26.89
CHAINAGE CENTRE LINE ROAD	270.00	380.91

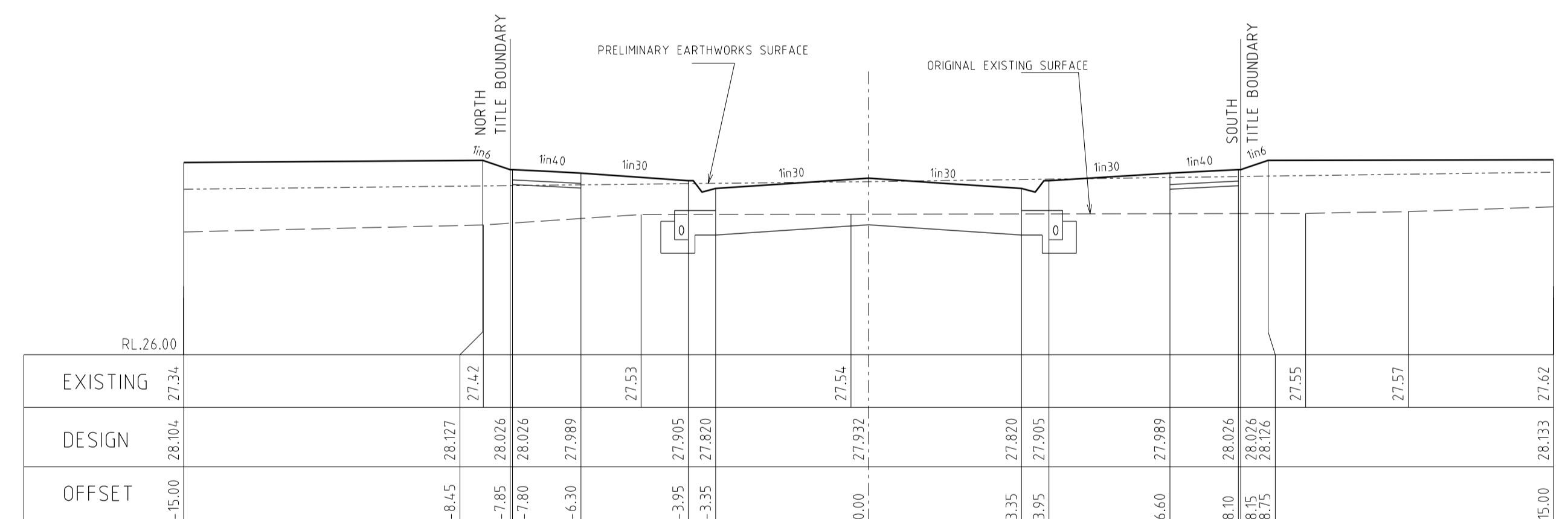
OBSERVATORY STREET LONGITUDINAL SECTION

SCALE Hor. 1:500  
Vert 1:50



EXISTING	26.92	26.93	27.01	27.01	27.07	27.08	27.09	27.14
DESIGN	27.816	27.975	27.816	27.755	27.670	27.755	27.838	28.016
OFFSET	-15.00	-8.45	-7.85	-7.80	-6.30	-3.95	-3.35	0.00

368.65



EXISTING	27.34	27.42	27.53	27.54	27.55	27.57	27.62
DESIGN	28.104	28.127	28.026	28.026	27.989	28.026	28.126
OFFSET	-15.00	-8.45	-7.85	-7.80	-6.30	-3.95	-3.35

338.54

OBSERVATORY STREET CROSS SECTIONS

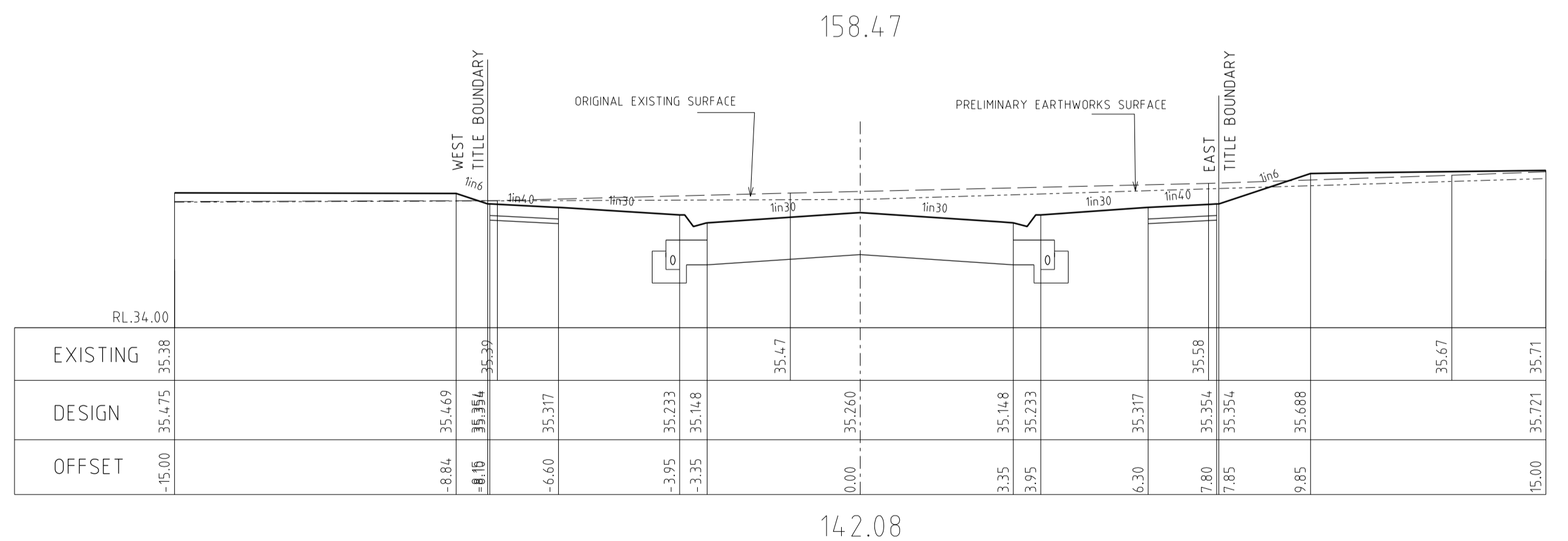
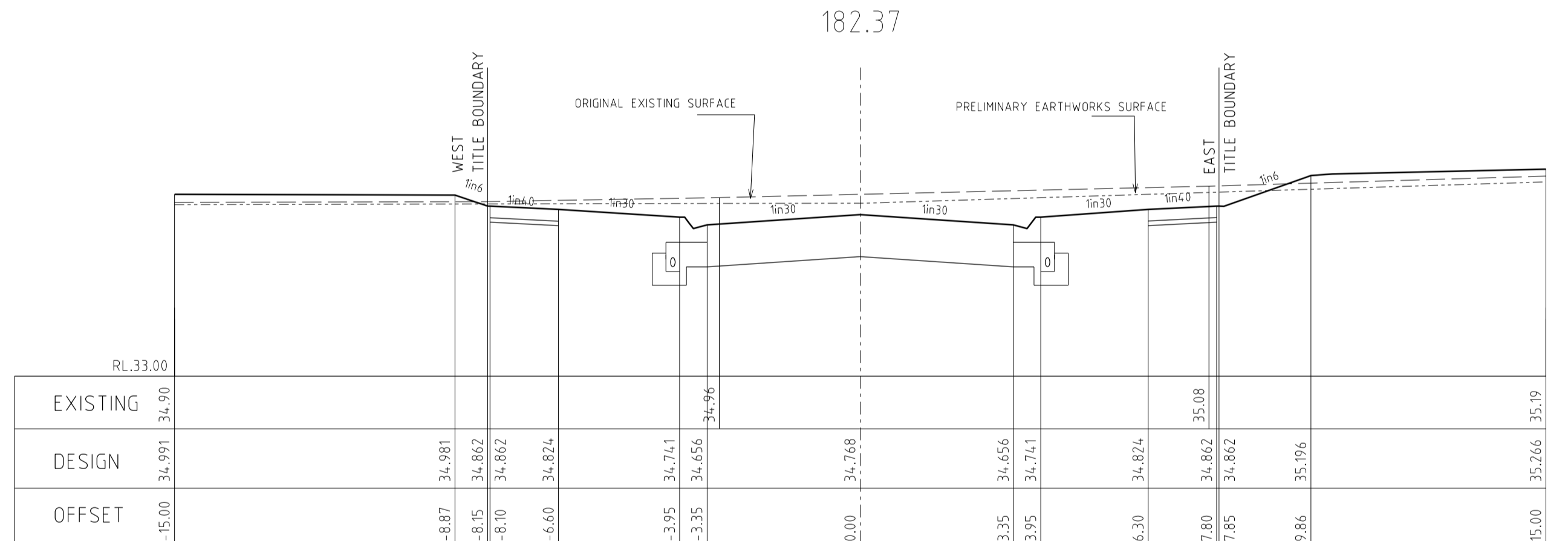
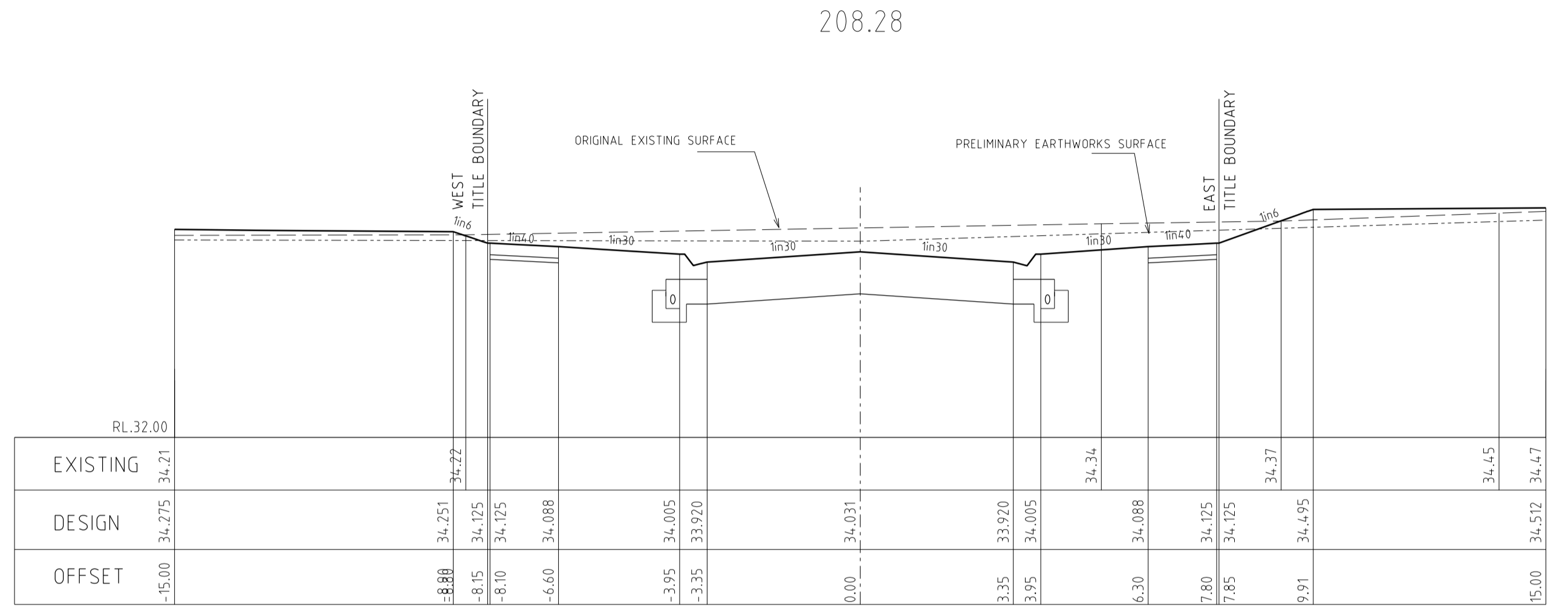
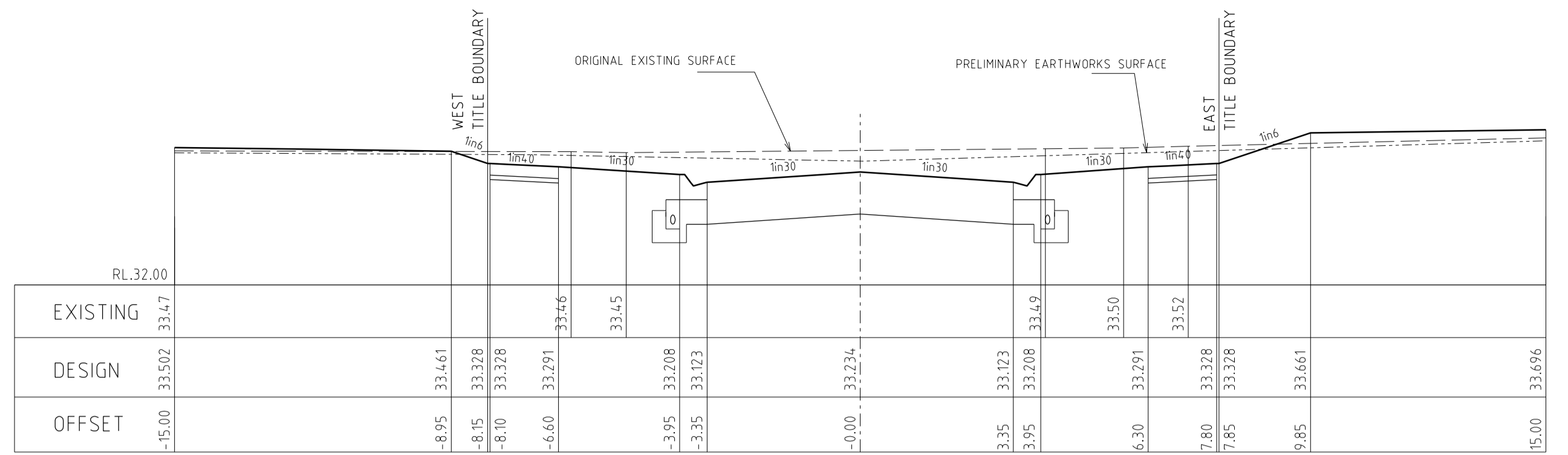
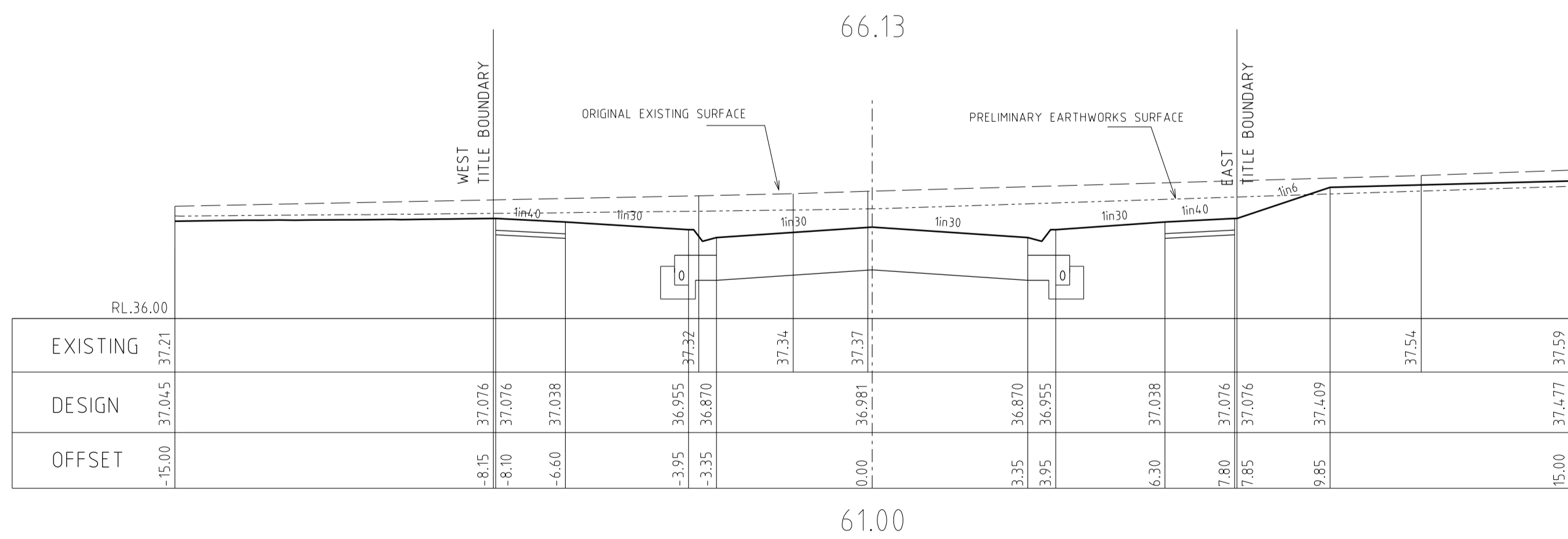
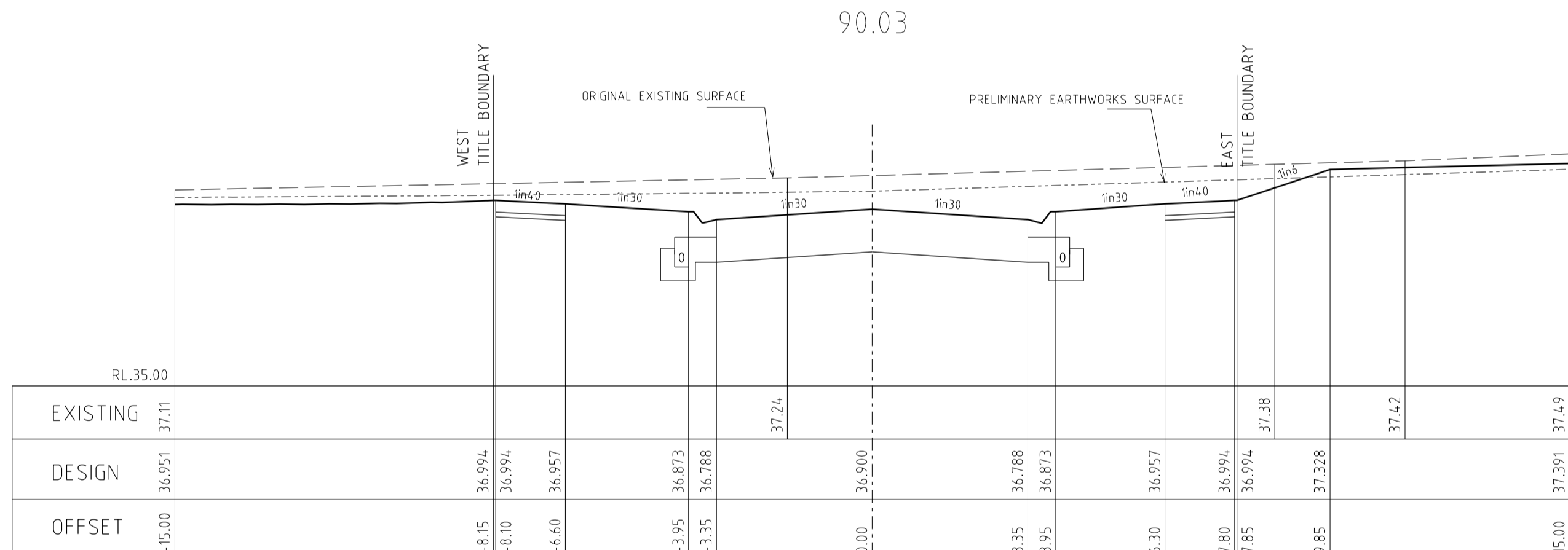
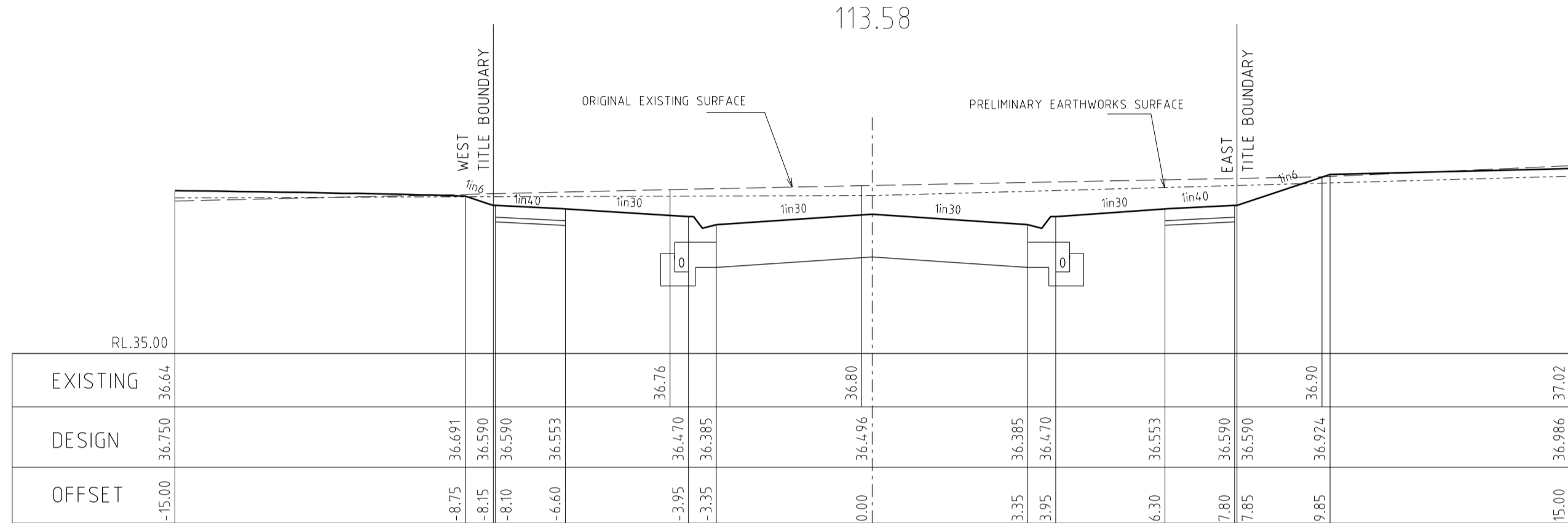
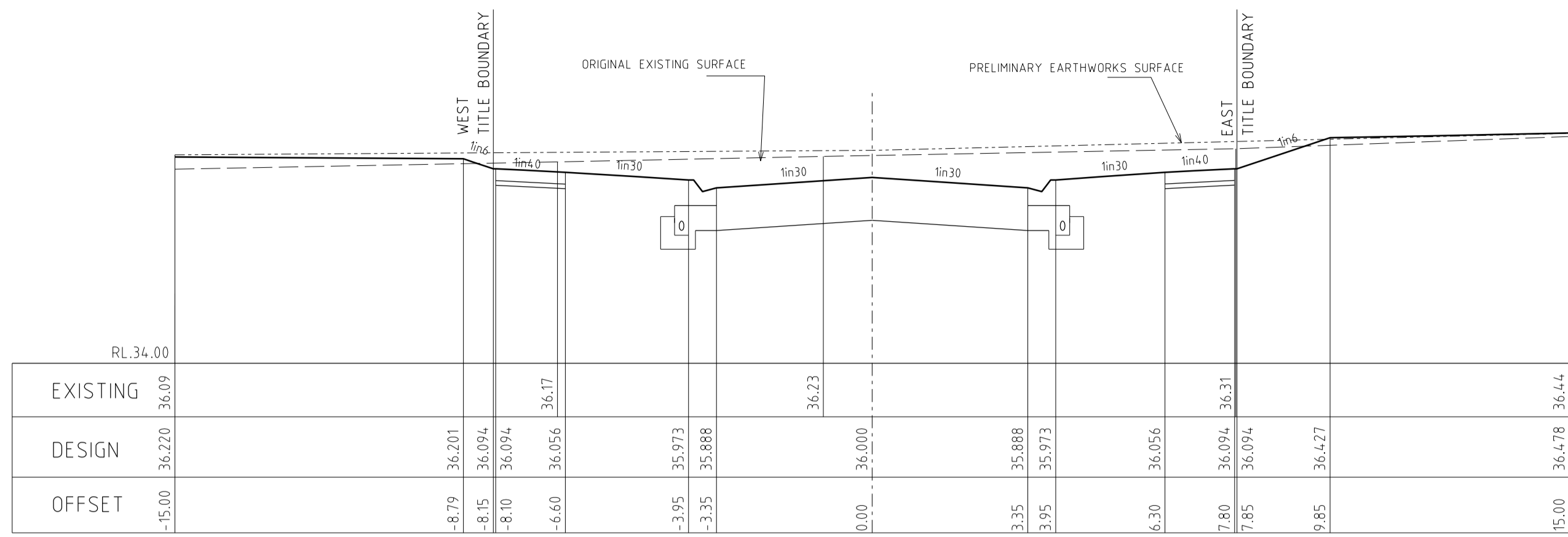
SCALE Hor. 1:100  
Vert 1:50

		<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 SURVEY B.P.D. DESIGN RK DRAWN RK		<b>MERIDIAN ESTATE</b> STAGE 10		MUNICIPALITY <b>CASEY</b> REFERENCE 8129 E/10				
VER.	DATE	REMARKS	CHECKED	SCALE AS SHOWN	DATUM AHD	DATE APR. 17	SHEET 15 OF 31	P5







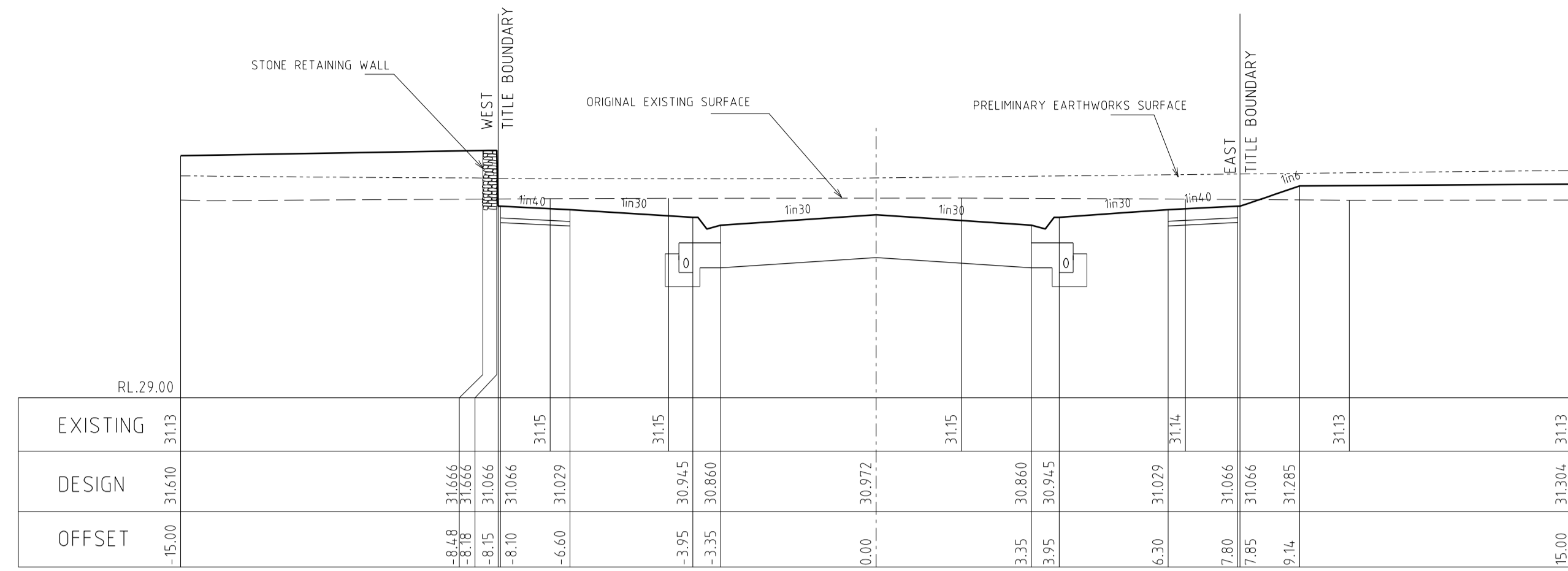


ASPIRE AVENUE CROSS SECTIONS

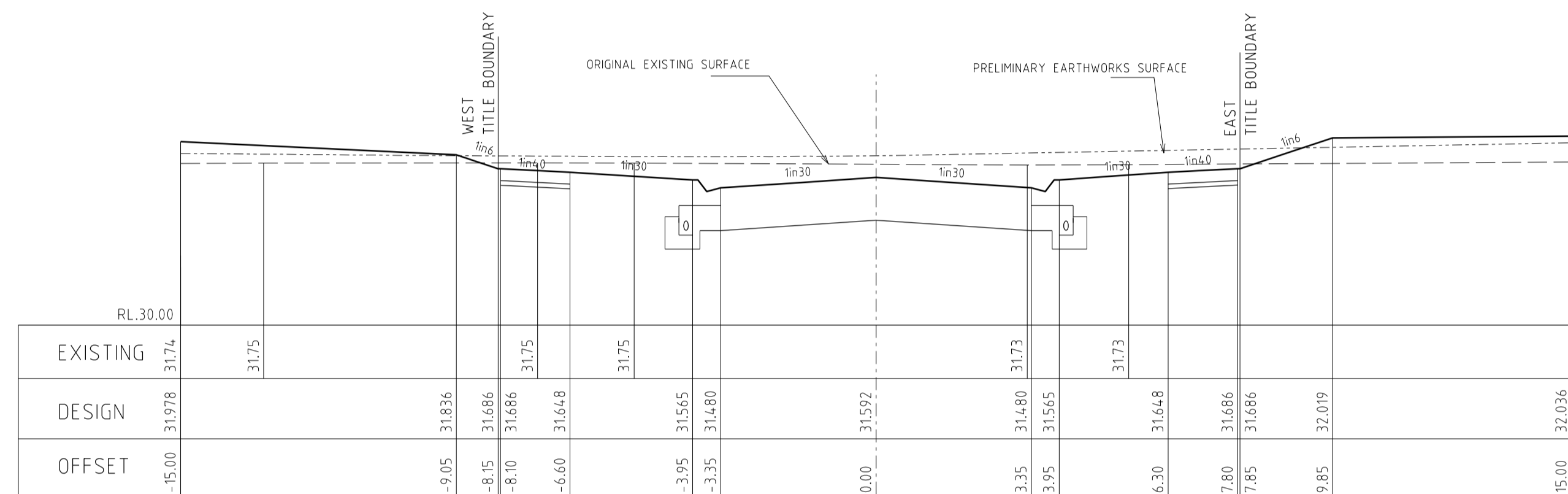
SCALE Hor. 1:100  
Vert 1:50

			breese pitt dixon pty. ltd.		MUNICIPALITY CASEY REFERENCE 8129 E/10
			land surveyors		
			civil engineers		
			1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310		
AMENDMENTS		MELWAY REF.	131-C-12	MERIDIAN ESTATE STAGE 10	SHEET 18 OF 31 P5
		SURVEY	B. P. D.		
	DESIGN	RK			
	DRAWN	RK			
VER.	DATE	REMARKS	CHECKED	SCALE AS SHOWN	DATUM AHD
					DATE APR. 17

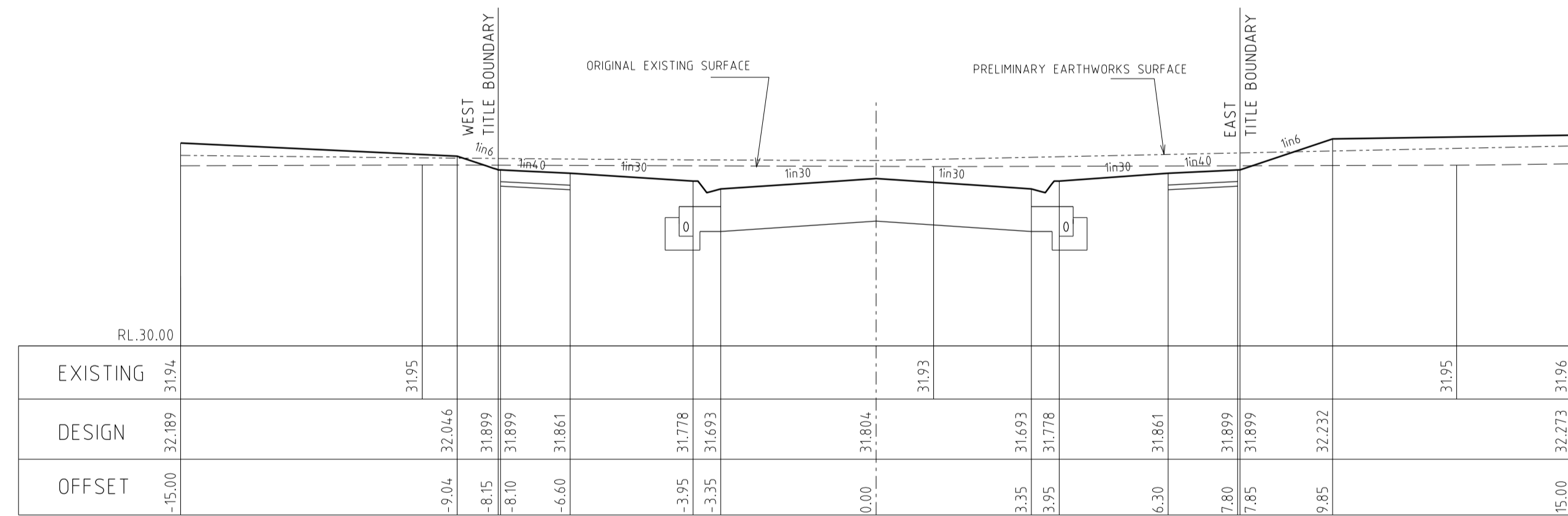
Plot No: 1/02/2018



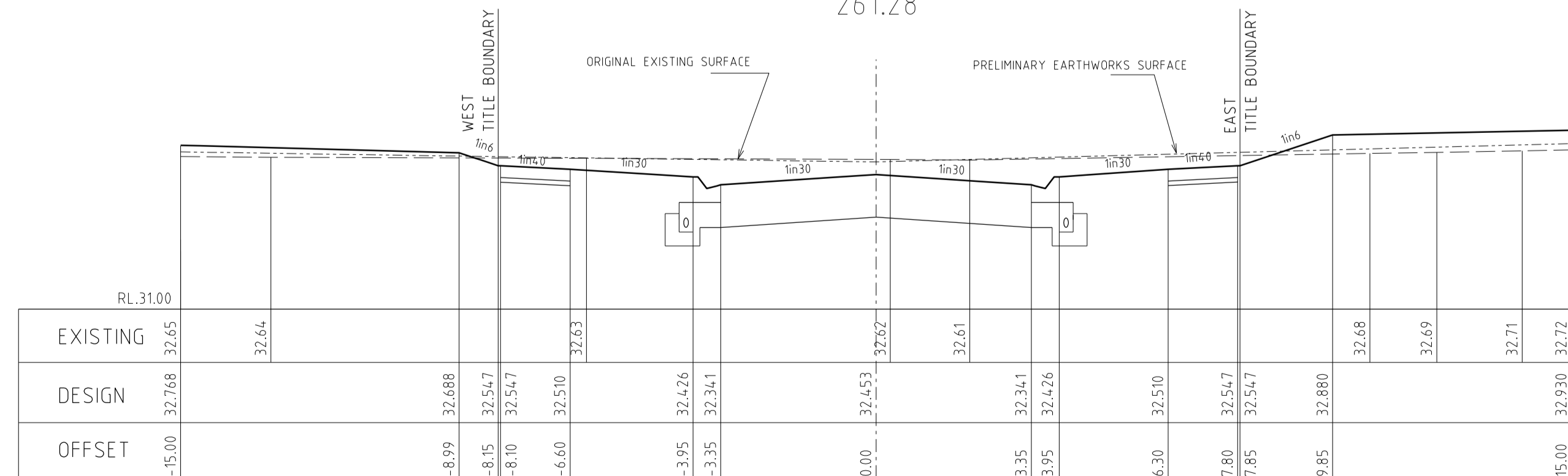
293.37



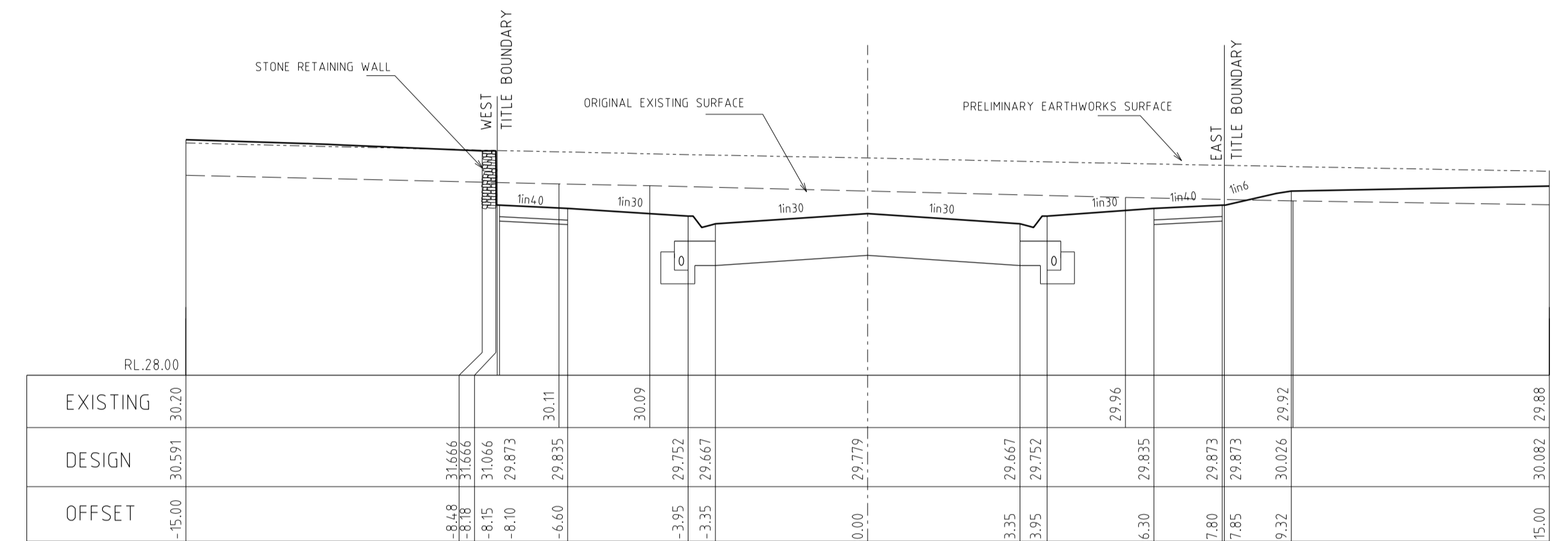
269.48



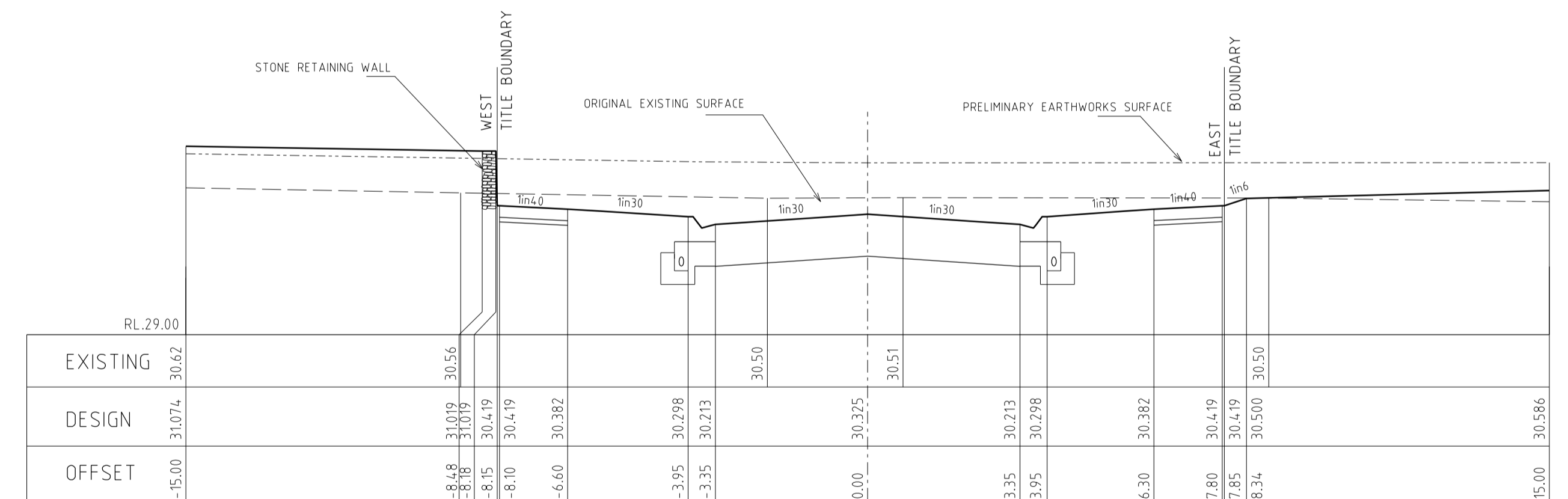
261.28



236.28



350.30

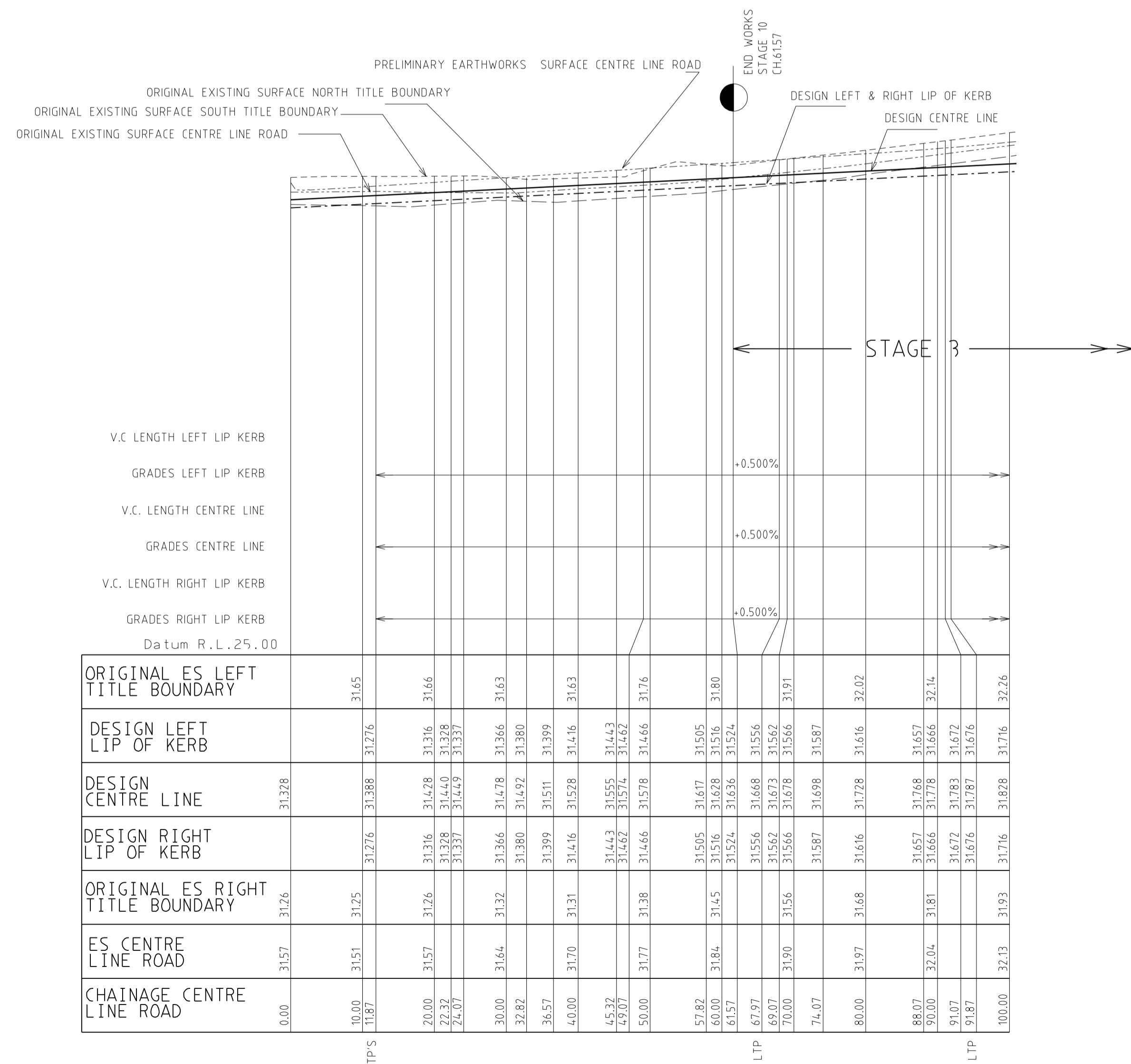


321.28

ASPIRE AVENUE CROSS SECTIONS

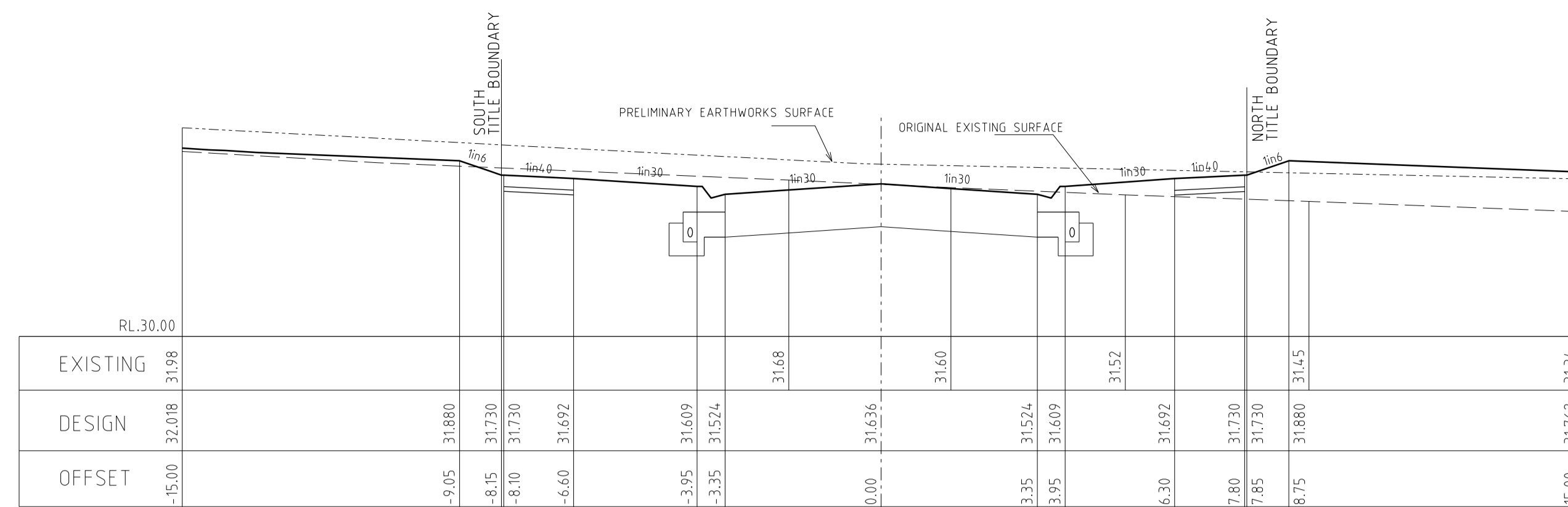
SCALE Hor. 1:100  
Vert 1:50

		<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 SURVEY B.P.D. DESIGN RK DRAWN RK		<b>MERIDIAN ESTATE STAGE 10</b>		MUNICIPALITY <b>CASEY</b>	
CHECKED				REFERENCE <b>8129 E/10</b>	
VER.	DATE	REMARKS	SCALE AS SHOWN	DATUM AHD	DATE APR. 17
			SHEET 19 OF 31		P5

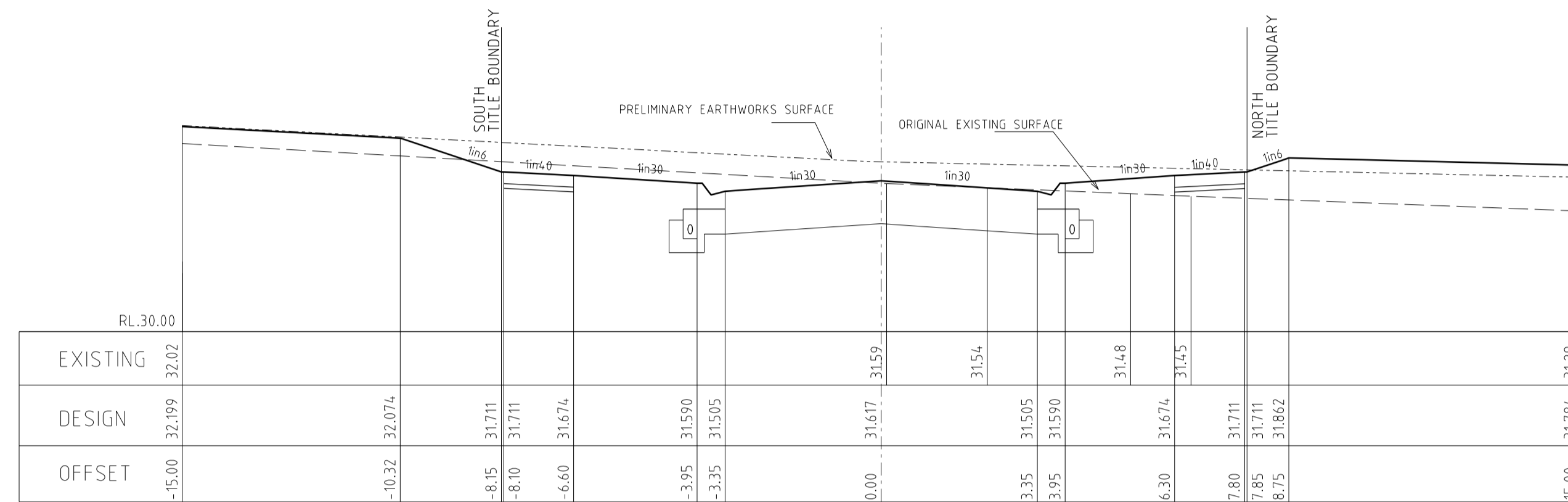


COLONNADE STREET LONGITUDINAL SECTION

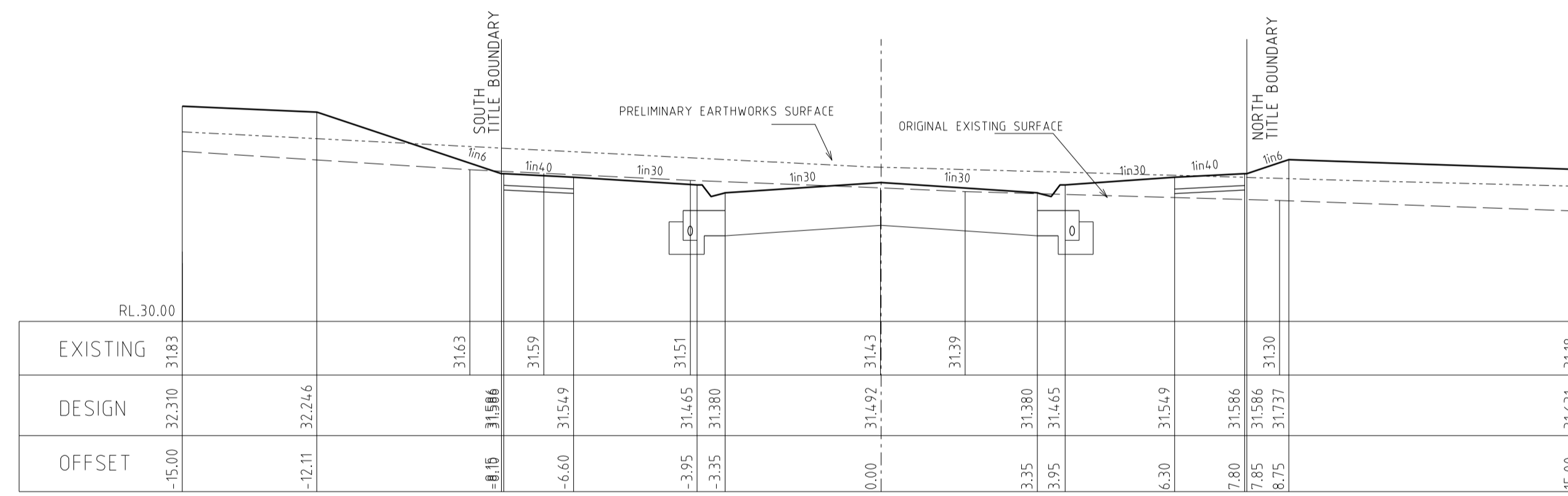
SCALE Hor. 1:500  
Vert 1:50



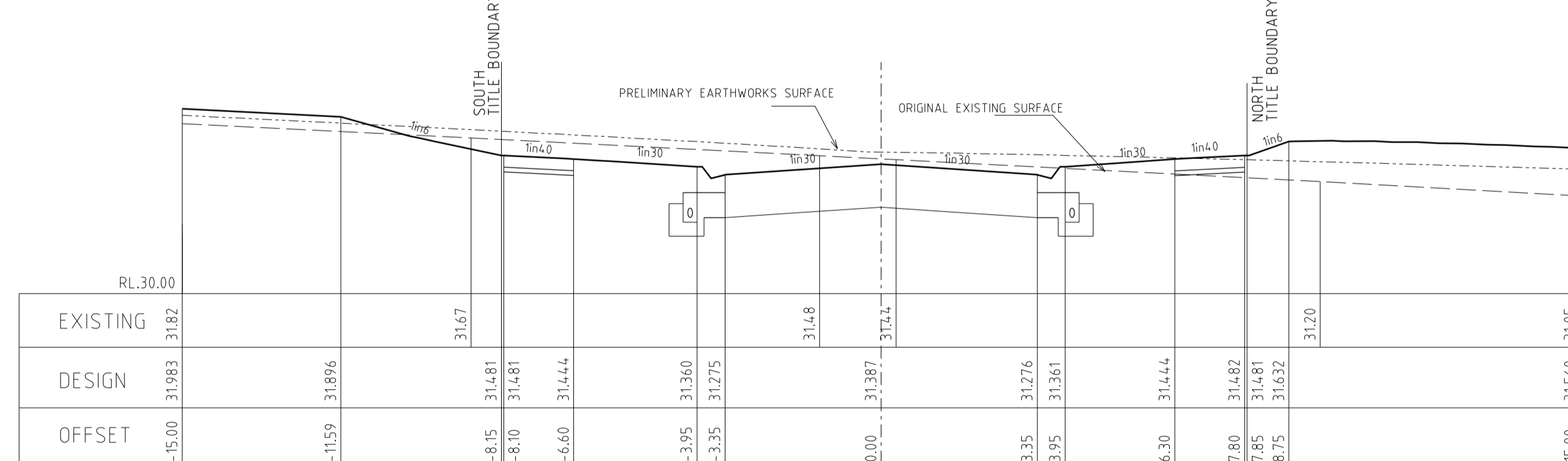
61.57



57.82



32.82

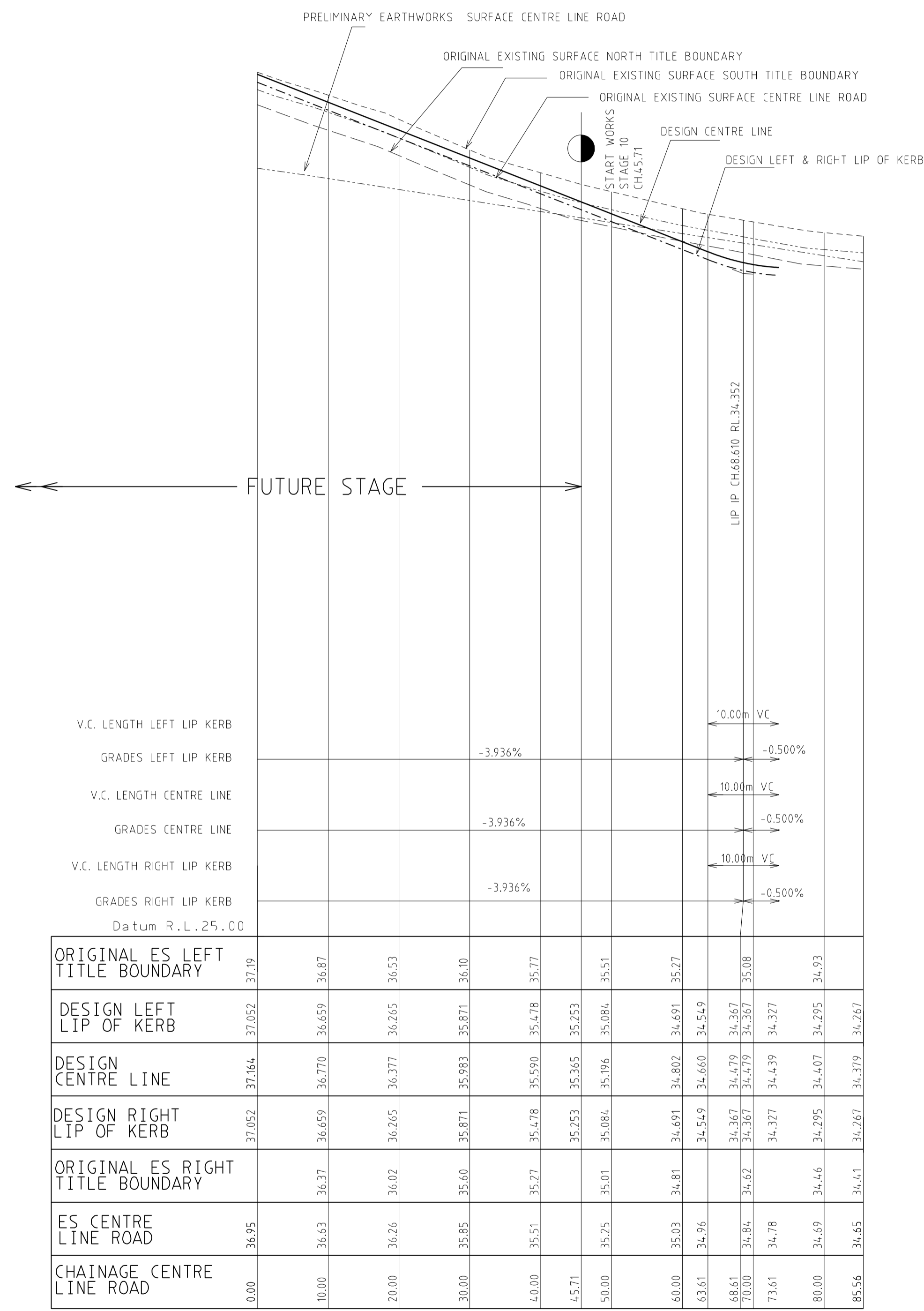


11.87

COLONNADE STREET CROSS SECTIONS

SCALE Hor. 1:100  
Vert 1:50

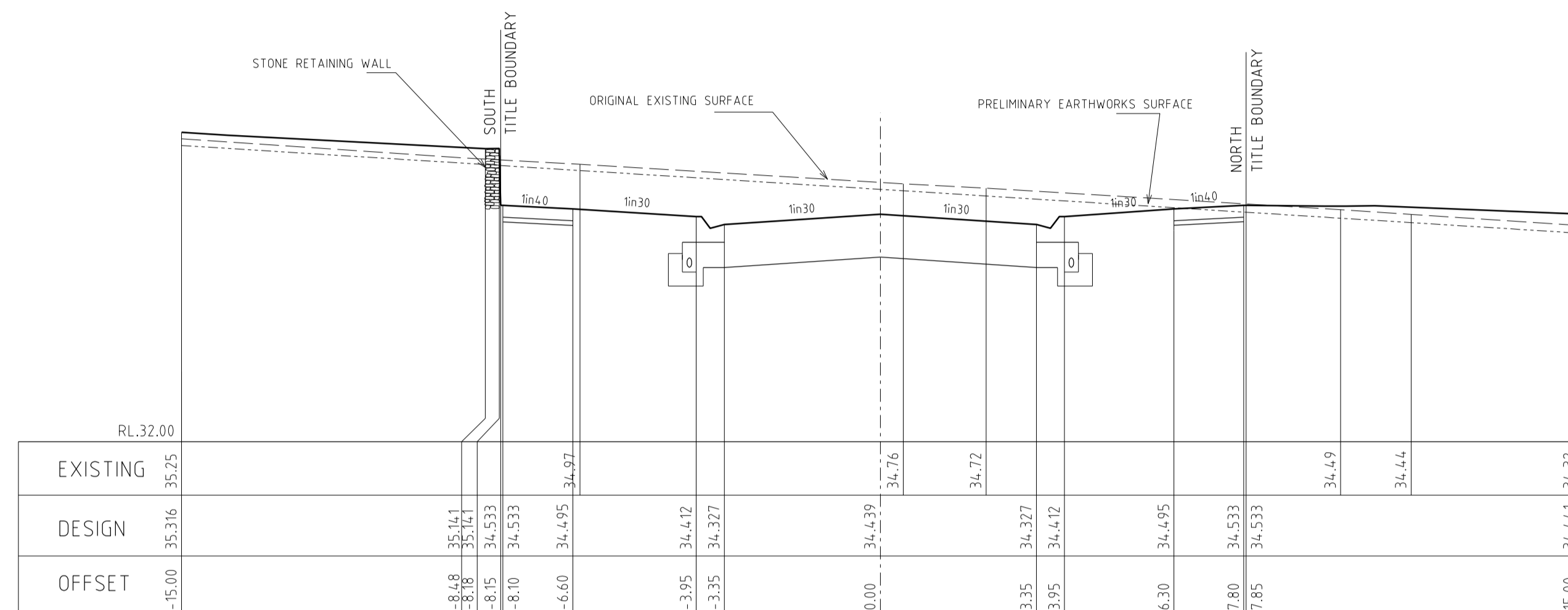
AMENDMENTS		<b>breese pitt dixon pty. ltd.</b> land surveyors      civil engineers		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
MELWAY REF. 131-C-12		<b>MERIDIAN ESTATE STAGE 10</b>		MUNICIPALITY CASEY	
SURVEY B. P. D.				REFERENCE 8129 E/10	
DESIGN RK				SHEET 20 OF 31	
DRAWN RK		CHECKED		SCALE AS SHOWN    DATUM AHD    DATE APR. 17	
VER.	DATE	REMARKS		P5	



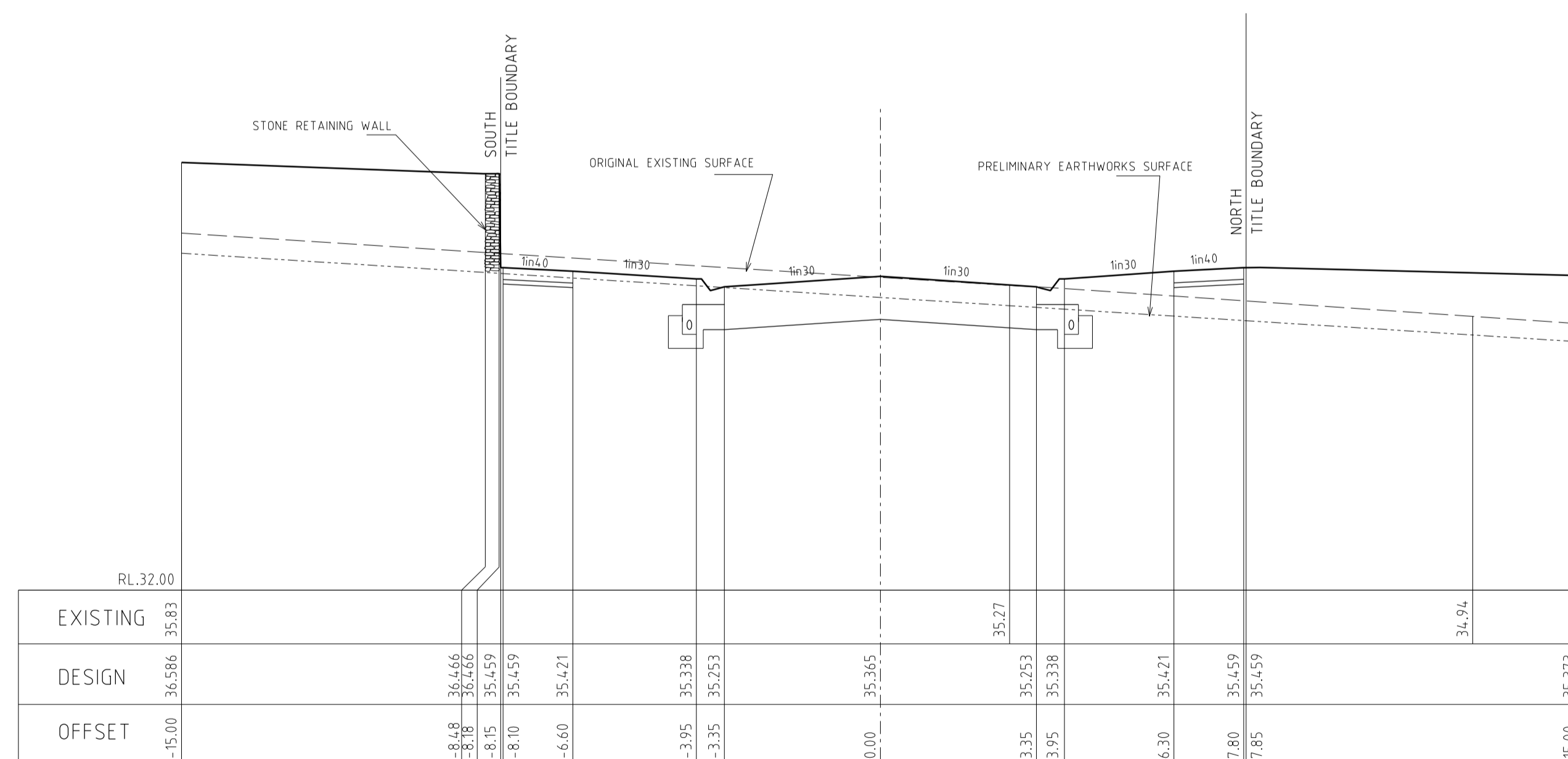
OLMSTEAD LANE LONGITUDINAL SECTION

SCALE Hor. 1:500  
Vert 1:50

TPS



73.61

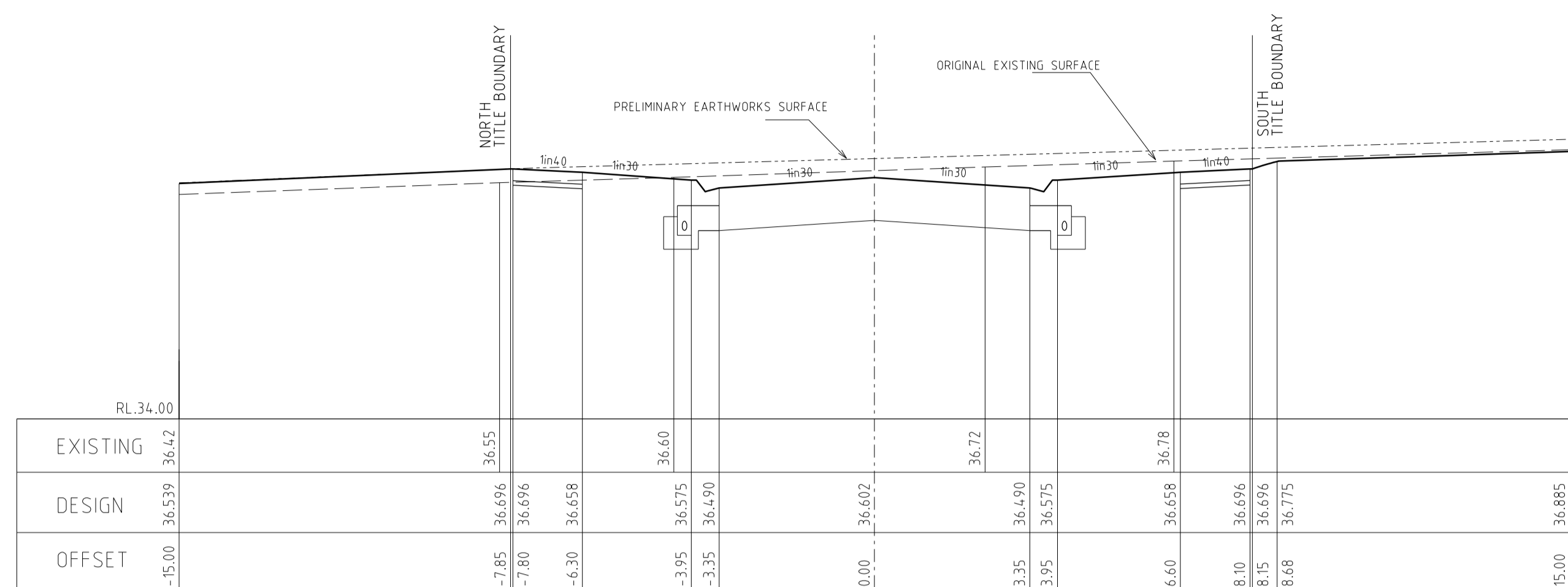


45.71

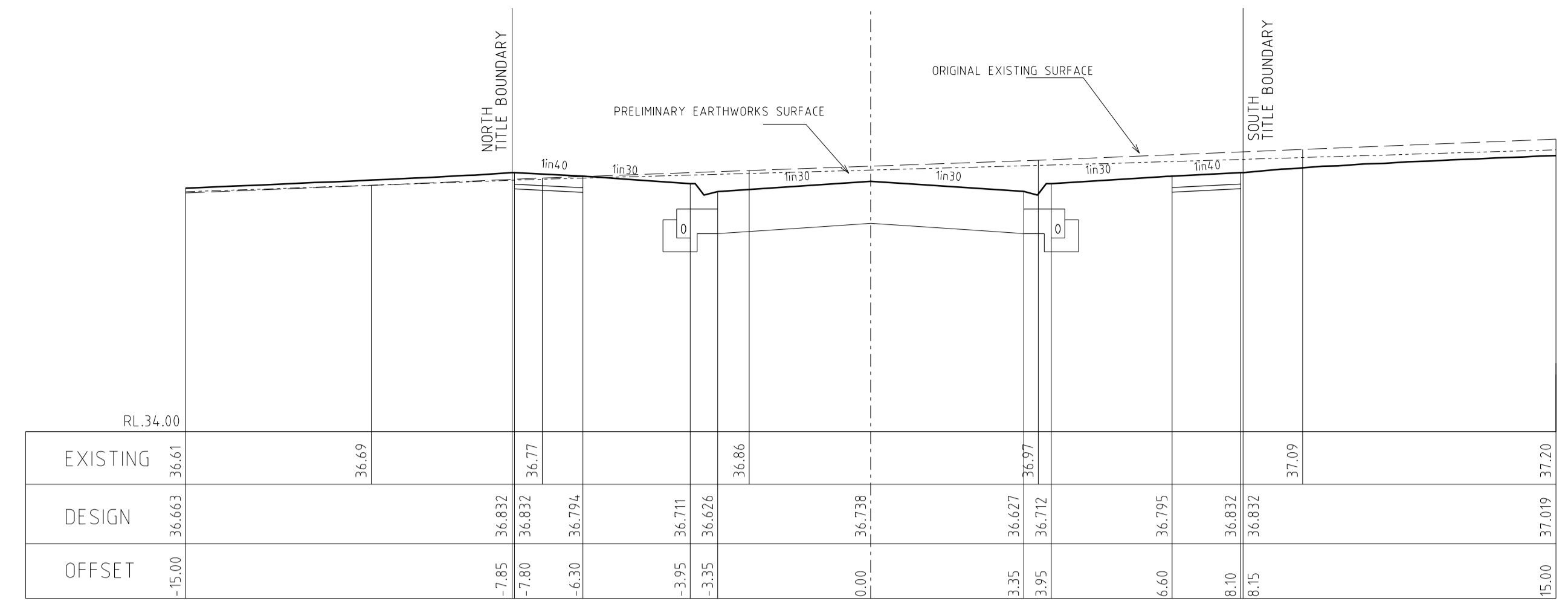
OLMSTEAD LANE CROSS SECTIONS

SCALE Hor. 1:100  
Vert 1:50

		<b>breese pitt dixon pty. ltd.</b> land surveyors civil engineers		1/19 cato street howthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
MELWAY REF. 131-C-12 SURVEY B.P.D. DESIGN RK DRAWN RK		<b>MERIDIAN ESTATE STAGE 10</b>		MUNICIPALITY <b>CASEY</b>	
CHECKED SCALE AS SHOWN DATUM AHD DATE APR. 17				REFERENCE 8129 E/10 SHEET 21 OF 31	



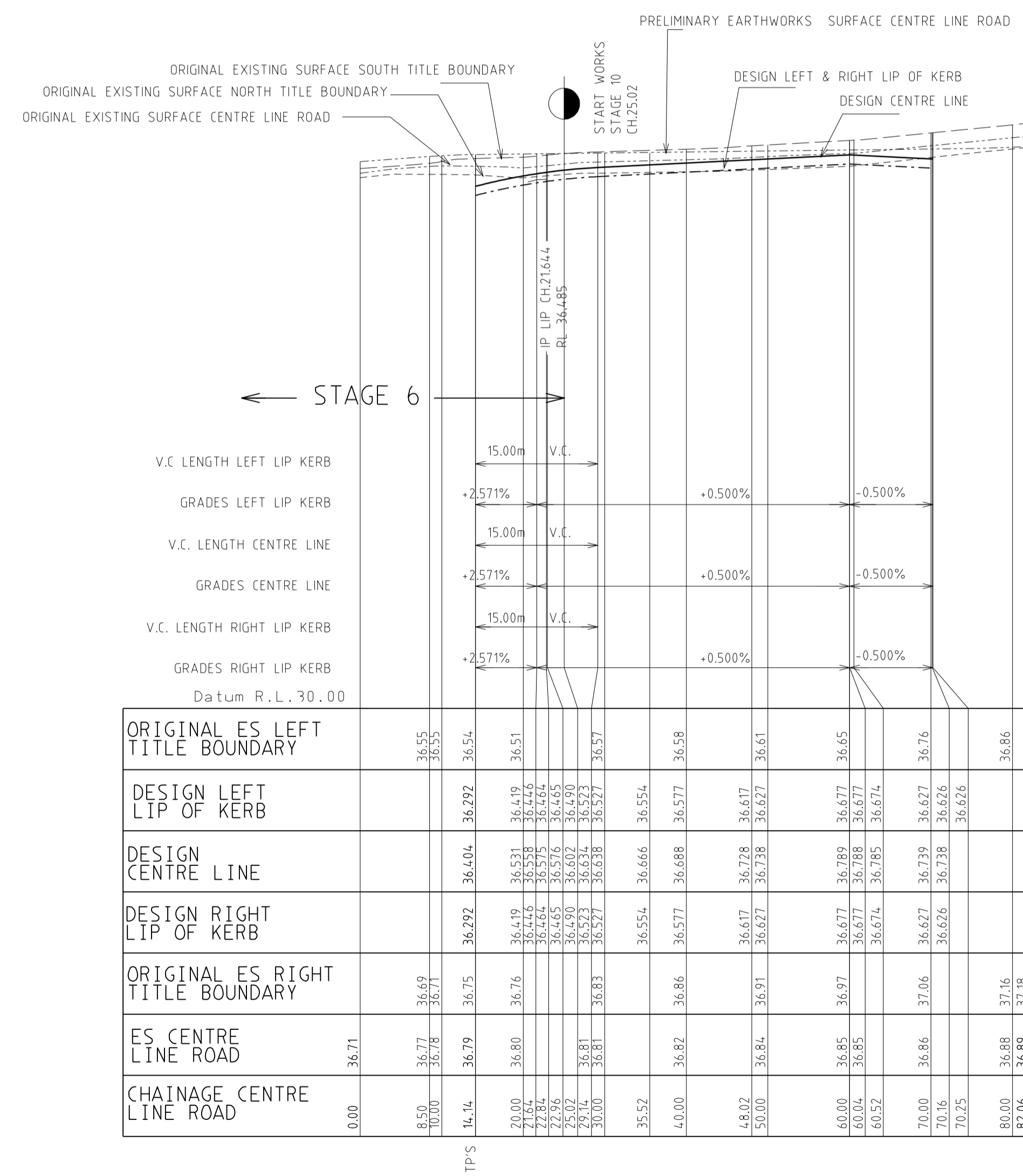
25.02



70.16

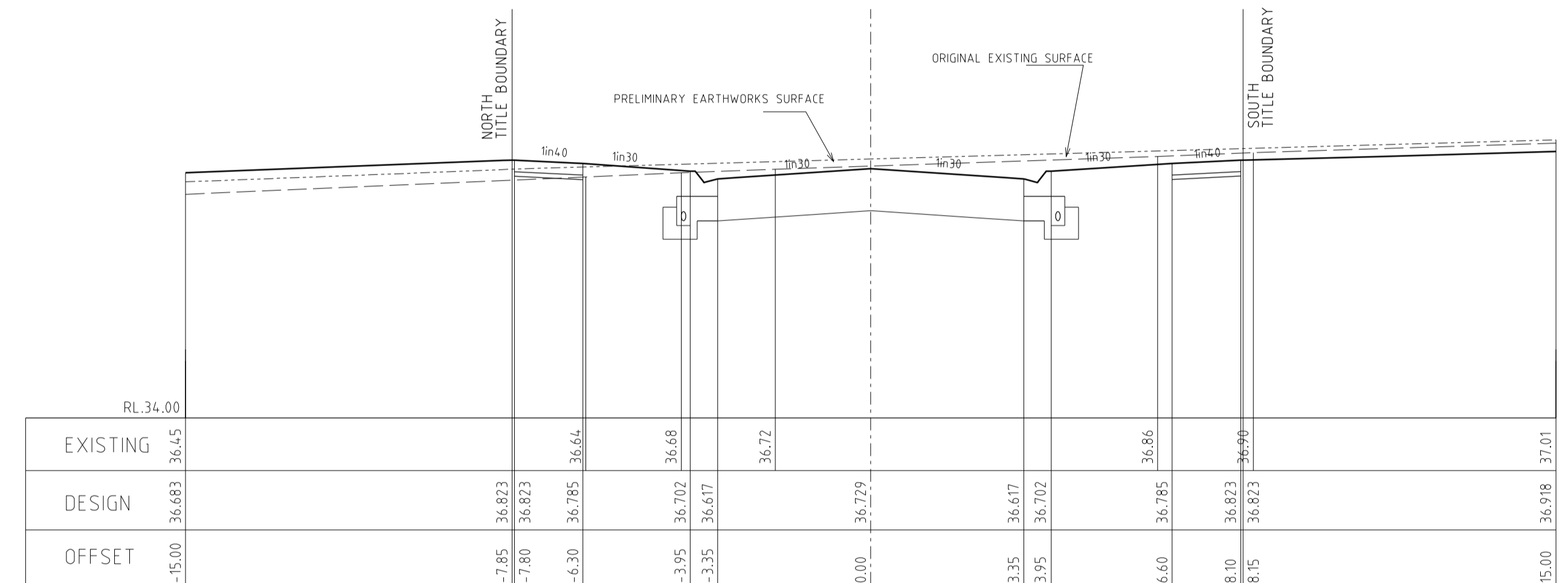
ORBIT STREET CROSS SECTIONS

SCALE Hor. 1:100  
Vert 1:50

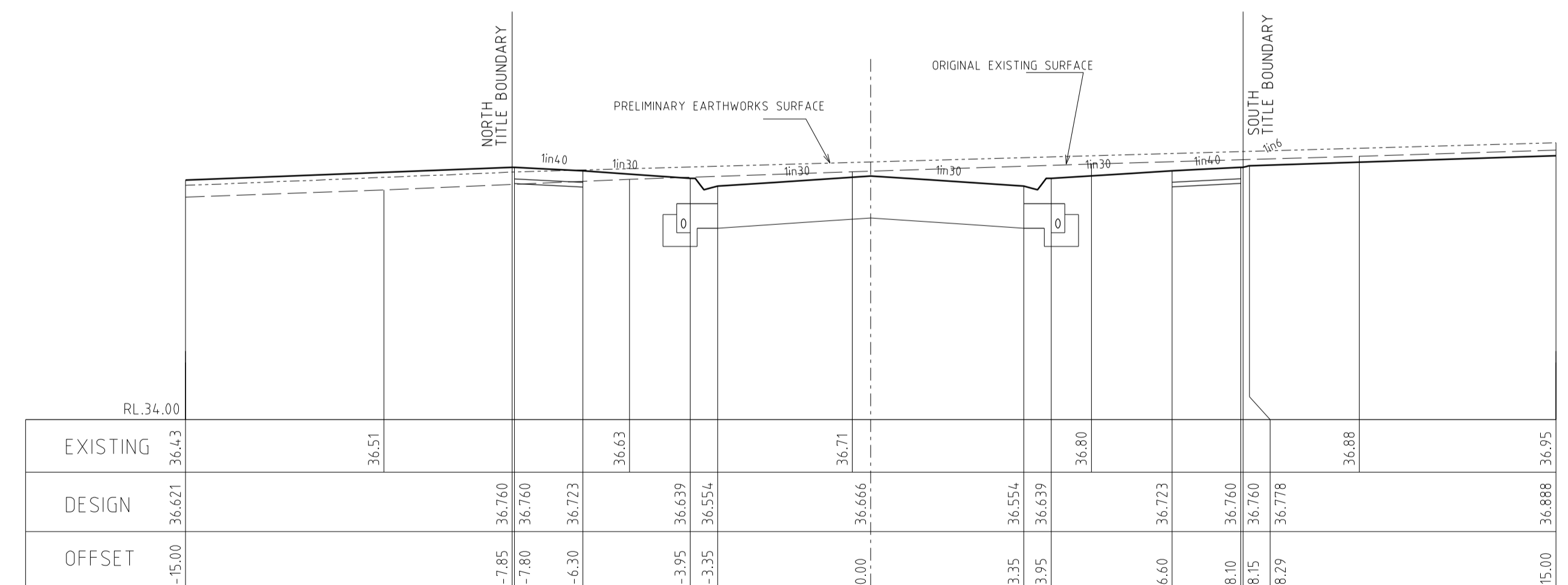


ORBIT STREET LONGITUDINAL SECTION

SCALE Hor. 1:500  
Vert 1:50

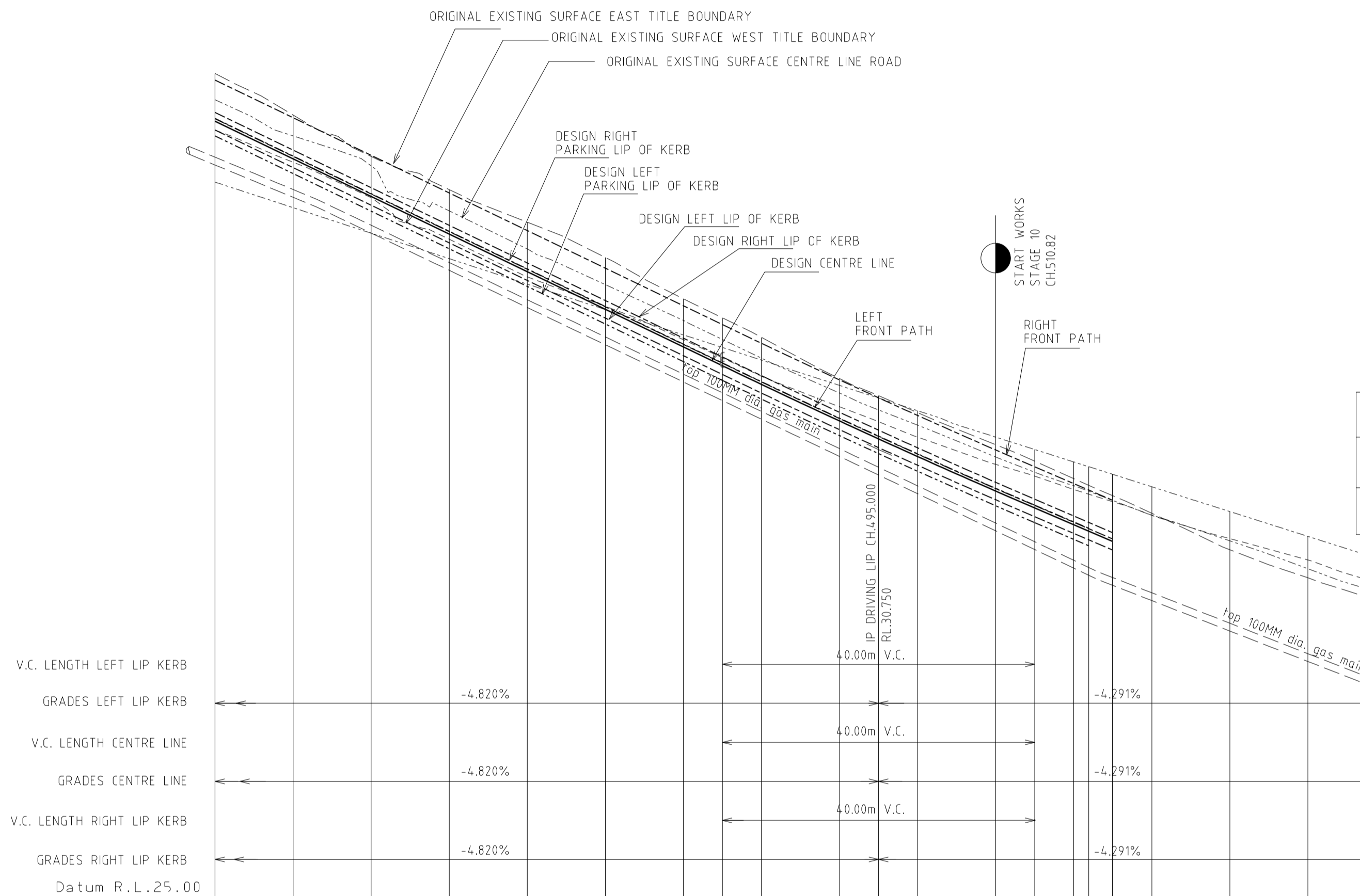


48.02



35.52

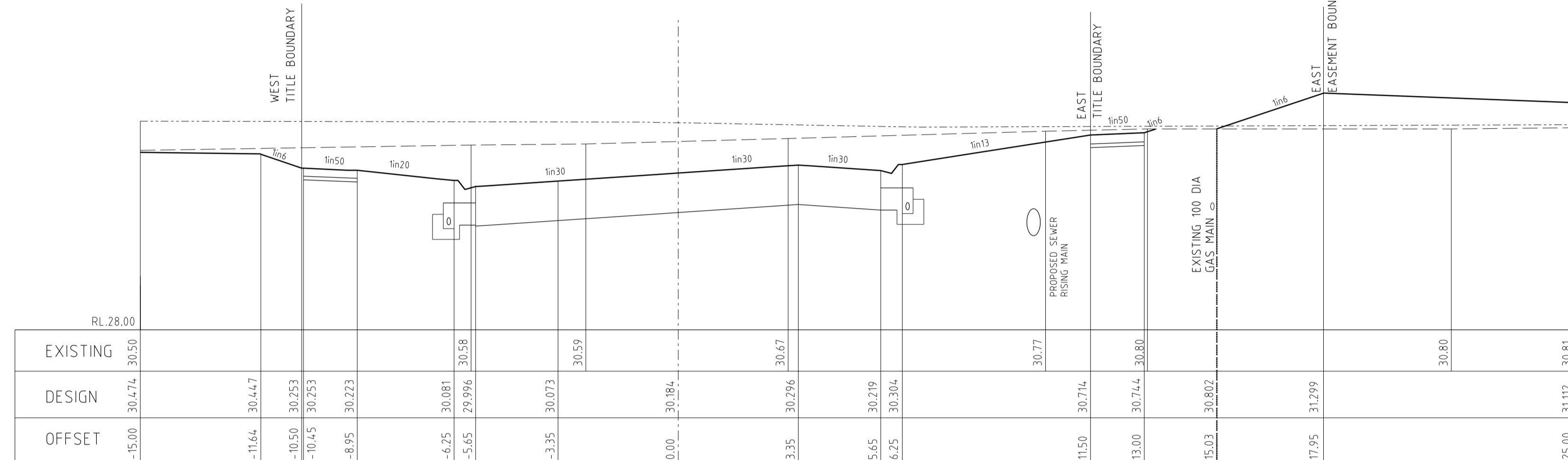
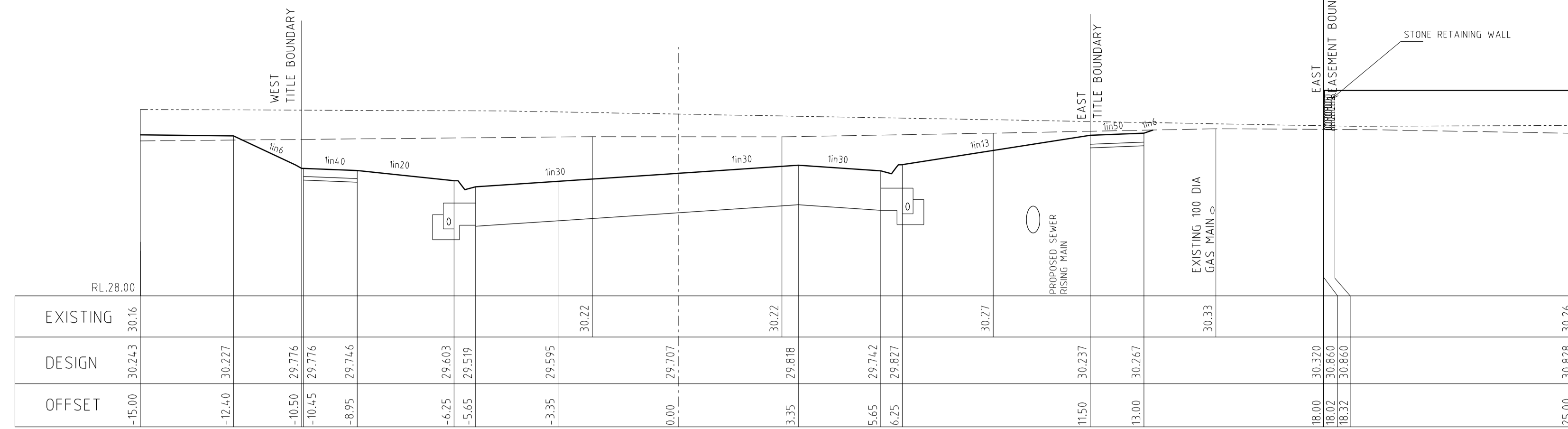
AMENDMENTS	VER.	DATE	REMARKS	<b>breese pitt dixon pty. ltd.</b> land surveyors      civil engineers 1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	<b>MELWAY REF.</b> 131-C-12 <b>SURVEY</b> B.P.D. <b>DESIGN</b> RK <b>DRAWN</b> RK <b>CHECKED</b>	<b>MERIDIAN ESTATE</b> <b>STAGE 10</b>		MUNICIPALITY <b>CASEY</b>
	SCALE AS SHOWN    DATUM AHD    DATE APR. 17		REFERENCE <b>8129 E/10</b>					
	SHEET 22 OF 31		P5					
	0:\bpd - 8129\design\stage 10\2018-01-01E10-DES.DWG							



ORIGINAL ES LEFT TITLE BOUNDARY	4.00.00	35.23	34.77	35.04	34.51	34.03	33.48	33.67	33.66	31.66	31.48	31.06	30.66	30.81	30.38	30.29	30.29	30.23	30.10	29.91	29.94	29.61	29.34	29.09
LEFT FRONT OF PATH	4.20.00	34.99	34.77	34.50	34.26	33.86	33.32	32.82	32.29	31.74	31.18	30.62	30.06	29.50	28.94	28.38	27.82	27.26	26.70	26.14	25.58	25.02	24.46	23.90
DESIGN LEFT PARKING LIP OF KERB	4.30.00	34.99	34.77	34.50	34.26	33.86	33.32	32.82	32.29	31.74	31.18	30.62	30.06	29.50	28.94	28.38	27.82	27.26	26.70	26.14	25.58	25.02	24.46	23.90
DESIGN LEFT DRIVING LIP OF KERB	4.40.00	34.99	34.77	34.50	34.26	33.86	33.32	32.82	32.29	31.74	31.18	30.62	30.06	29.50	28.94	28.38	27.82	27.26	26.70	26.14	25.58	25.02	24.46	23.90
DESIGN CENTRE LINE	4.50.00	34.99	34.77	34.50	34.26	33.86	33.32	32.82	32.29	31.74	31.18	30.62	30.06	29.50	28.94	28.38	27.82	27.26	26.70	26.14	25.58	25.02	24.46	23.90
DESIGN RIGHT DRIVING LIP OF KERB	4.60.00	34.99	34.77	34.50	34.26	33.86	33.32	32.82	32.29	31.74	31.18	30.62	30.06	29.50	28.94	28.38	27.82	27.26	26.70	26.14	25.58	25.02	24.46	23.90
DESIGN RIGHT PARKING LIP OF KERB	4.70.00	34.99	34.77	34.50	34.26	33.86	33.32	32.82	32.29	31.74	31.18	30.62	30.06	29.50	28.94	28.38	27.82	27.26	26.70	26.14	25.58	25.02	24.46	23.90
RIGHT FRONT OF PATH	4.80.00	34.99	34.77	34.50	34.26	33.86	33.32	32.82	32.29	31.74	31.18	30.62	30.06	29.50	28.94	28.38	27.82	27.26	26.70	26.14	25.58	25.02	24.46	23.90
ORIGINAL ES RIGHT TITLE BOUNDARY	4.90.00	34.99	34.77	34.50	34.26	33.86	33.32	32.82	32.29	31.74	31.18	30.62	30.06	29.50	28.94	28.38	27.82	27.26	26.70	26.14	25.58	25.02	24.46	23.90
ES CENTRE LINE ROAD	5.00.00	34.99	34.77	34.50	34.26	33.86	33.32	32.82	32.29	31.74	31.18	30.62	30.06	29.50	28.94	28.38	27.82	27.26	26.70	26.14	25.58	25.02	24.46	23.90
CHAINAGE CENTRE LINE ROAD	5.10.00	34.99	34.77	34.50	34.26	33.86	33.32	32.82	32.29	31.74	31.18	30.62	30.06	29.50	28.94	28.38	27.82	27.26	26.70	26.14	25.58	25.02	24.46	23.90

VERDANT DRIVE LONGITUDINAL SECTION

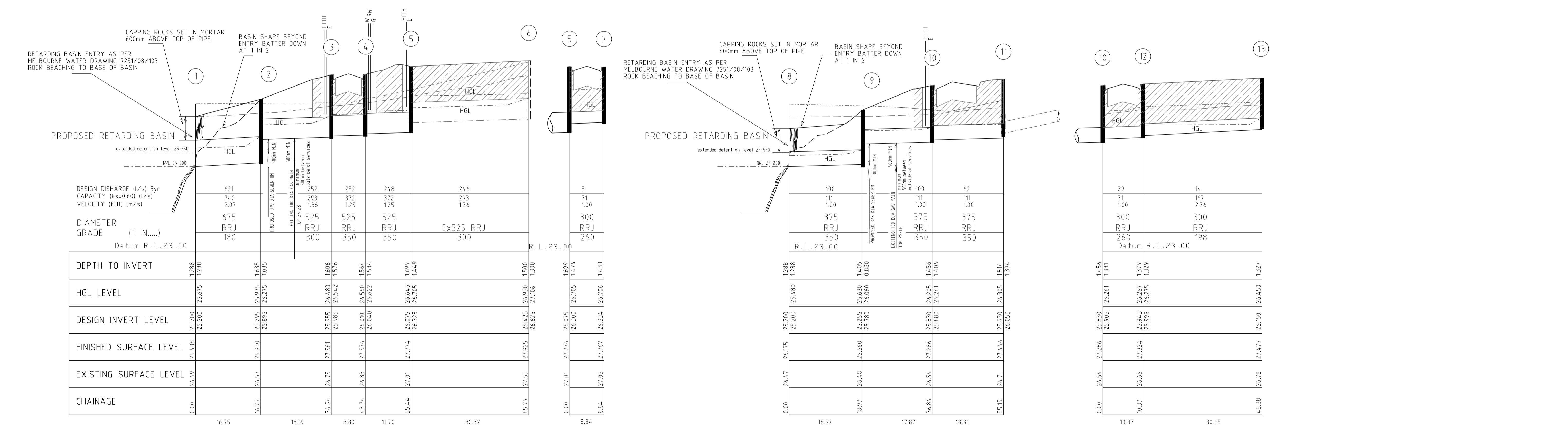
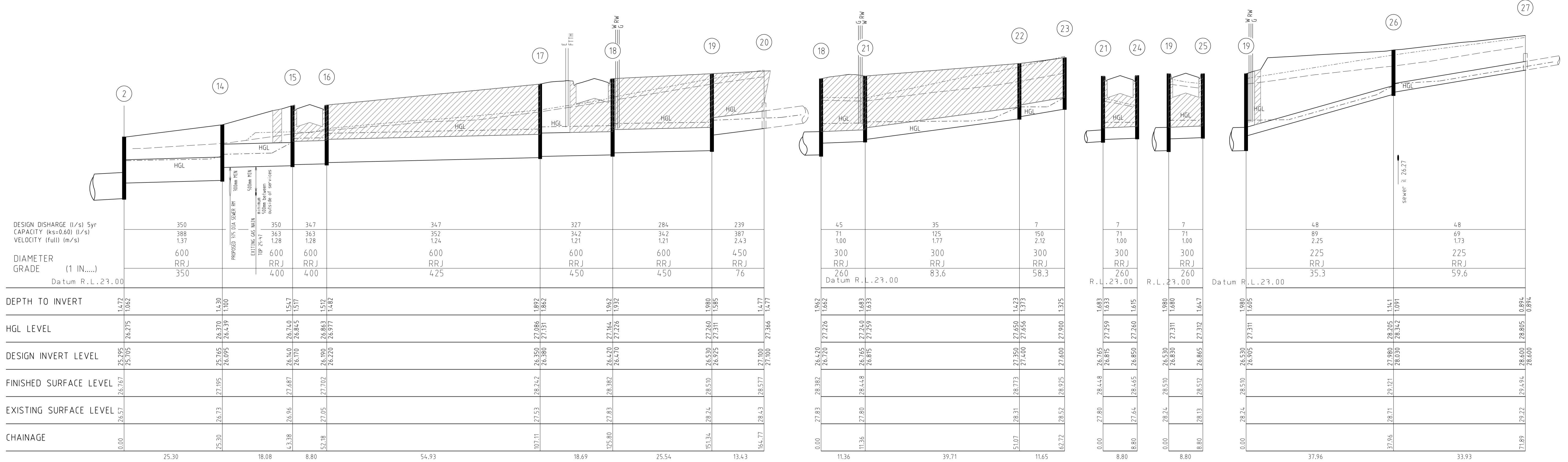
SCALE Hor. 1:500  
Vert 1:50



VERDANT DRIVE CROSS SECTIONS

SCALE Hor. 1:100  
Vert 1:50

AMENDMENTS	bpd 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.	MUNICIPALITY CASEY	
DESIGN RK	MERIDIAN ESTATE STAGE 10		REFERENCE 8129 E/10	
DRAWN RK	CHECKED	SCALE AS SHOWN	DATUM AHD	DATE APR. 17
VER. DATE	REMARKS	SHEET 23 OF 31	P5	



STORMWATER DRAINAGE LONGITUDINAL SECTIONS  
SCALE Hor. 1:500  
Vert 1:50

/// DENOTES CRUSHED ROCK BACKFILL

		<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>MELWAY REF.</b> 131-C-12		<b>SURVEY</b> B. P. D.		<b>MUNICIPALITY</b> CASEY	
<b>DESIGN</b> RK		<b>DRAWN</b> RK		<b>REFERENCE</b> 8129 E/10	
<b>CHECKED</b>		<b>SCALE</b> AS SHOWN		<b>DATUM</b> AHD	
<b>DATE</b>		<b>DATE</b> APR. 17		<b>SHEET</b> 24 OF 31	

**MERIDIAN ESTATE  
STAGE 10**

0:10pdd - 8129\design\stage 10\2016-01-01\E10-DES.DWG  
 Proj Ref: 10102018



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

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

DEPTH TO INVERT	2.207	1.637
HGL LEVEL	27.200	28.237
DESIGN INVERT LEVEL	27.170	28.237
FINISHED SURFACE LEVEL	29.407	29.381
EXISTING SURFACE LEVEL	29.48	29.24
CHAINAGE	0.00	13.68

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

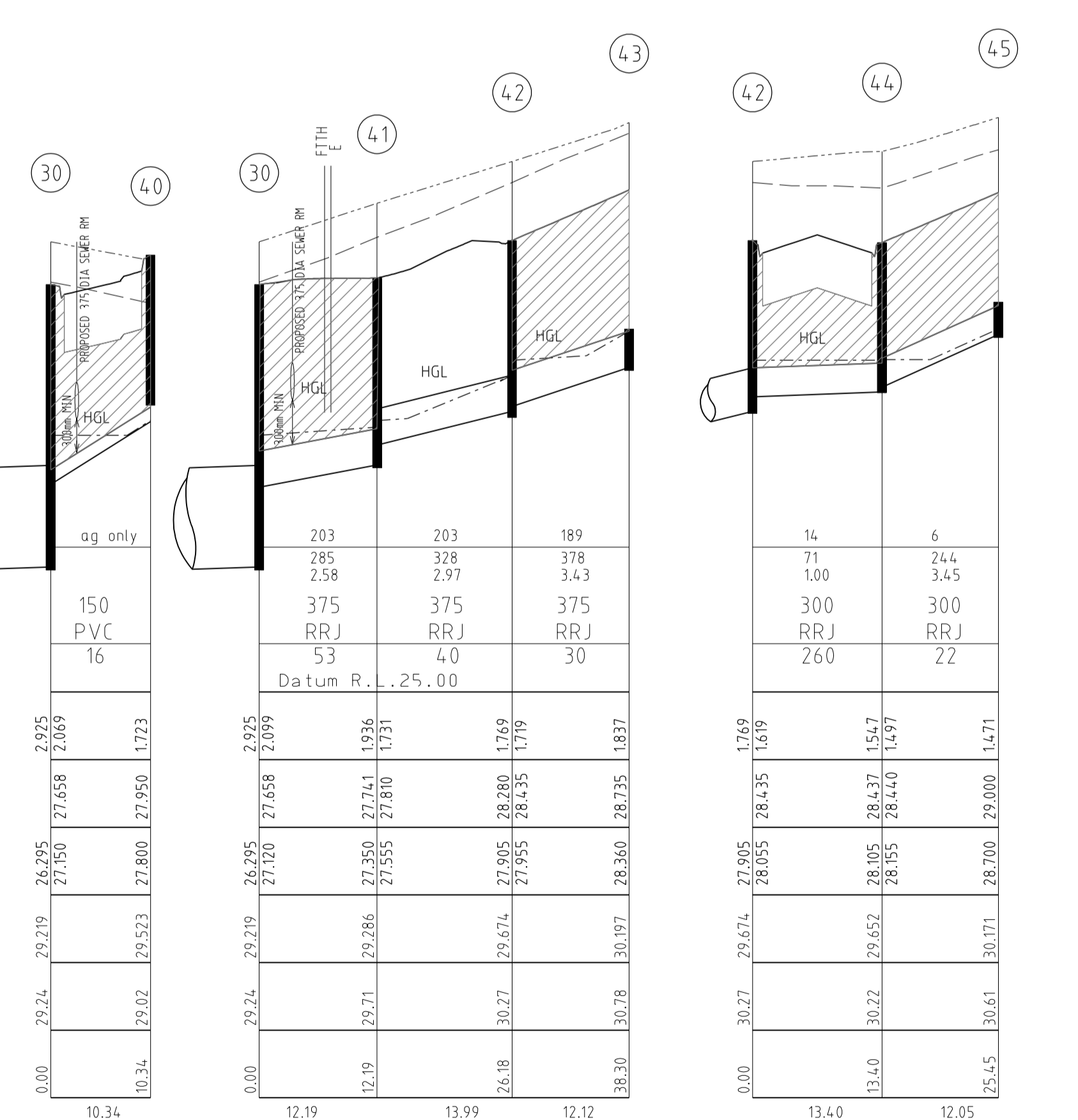
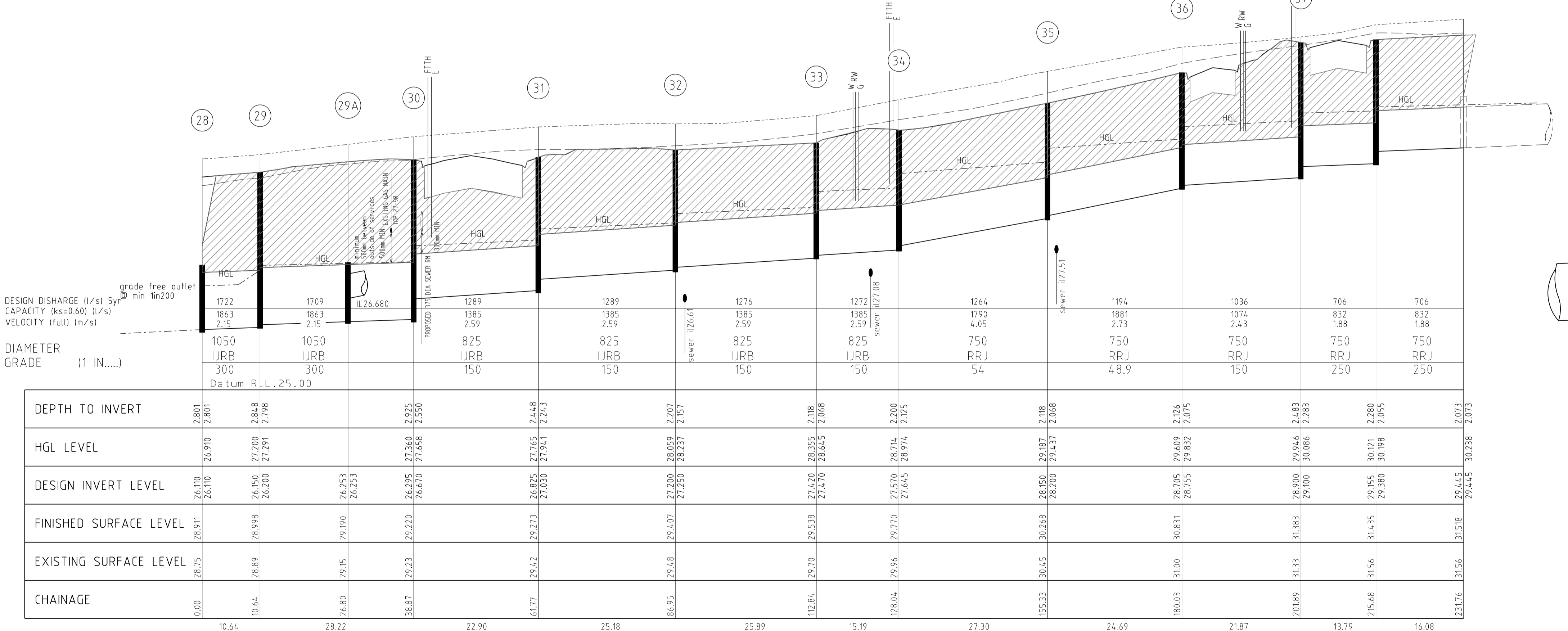
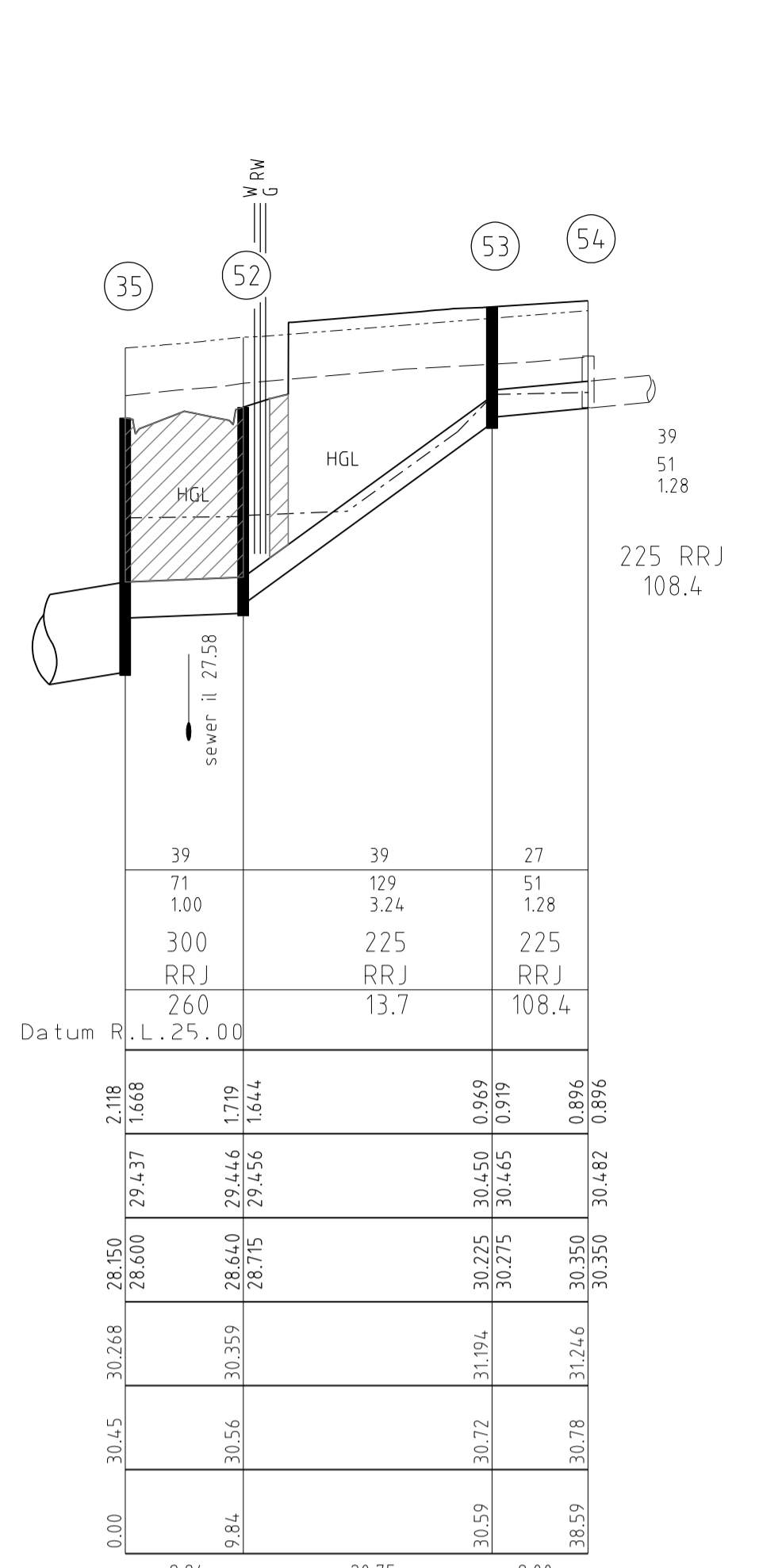
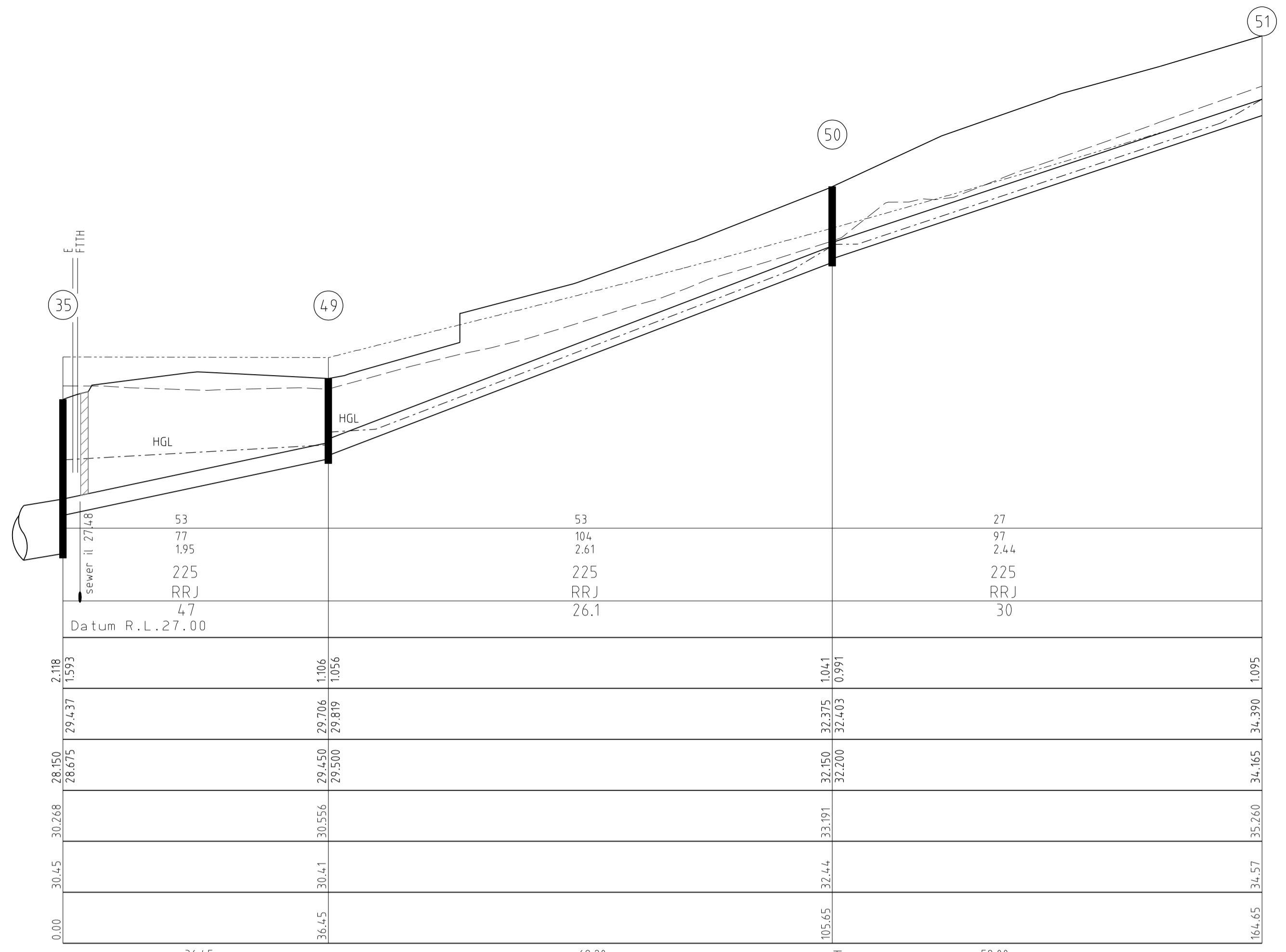
DIAMETER  
GRADE (1 IN.....)  
Datum R.L.25.00

DEPTH TO INVERT	2.18	1.625
HGL LEVEL	27.420	28.645
DESIGN INVERT LEVEL	27.950	28.645
FINISHED SURFACE LEVEL	29.538	29.625
EXISTING SURFACE LEVEL	29.70	29.76
CHAINAGE	0.00	5.80

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

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

DEPTH TO INVERT	2.200	1.630
HGL LEVEL	27.570	28.974
DESIGN INVERT LEVEL	28.095	28.974
FINISHED SURFACE LEVEL	29.770	29.760
EXISTING SURFACE LEVEL	29.96	30.06
CHAINAGE	0.00	8.99



STORMWATER DRAINAGE LONGITUDINAL SECTIONS

SCALE Hor: 1:500  
Vert 1:50

RRJ - RUBBER RING JOINTED  
IJRB - FLUSH JOINTED WITH EXTERNAL SANDBAND BANDS

/// DENOTES CRUSHED ROCK BACKFILL

AMENDMENTS	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

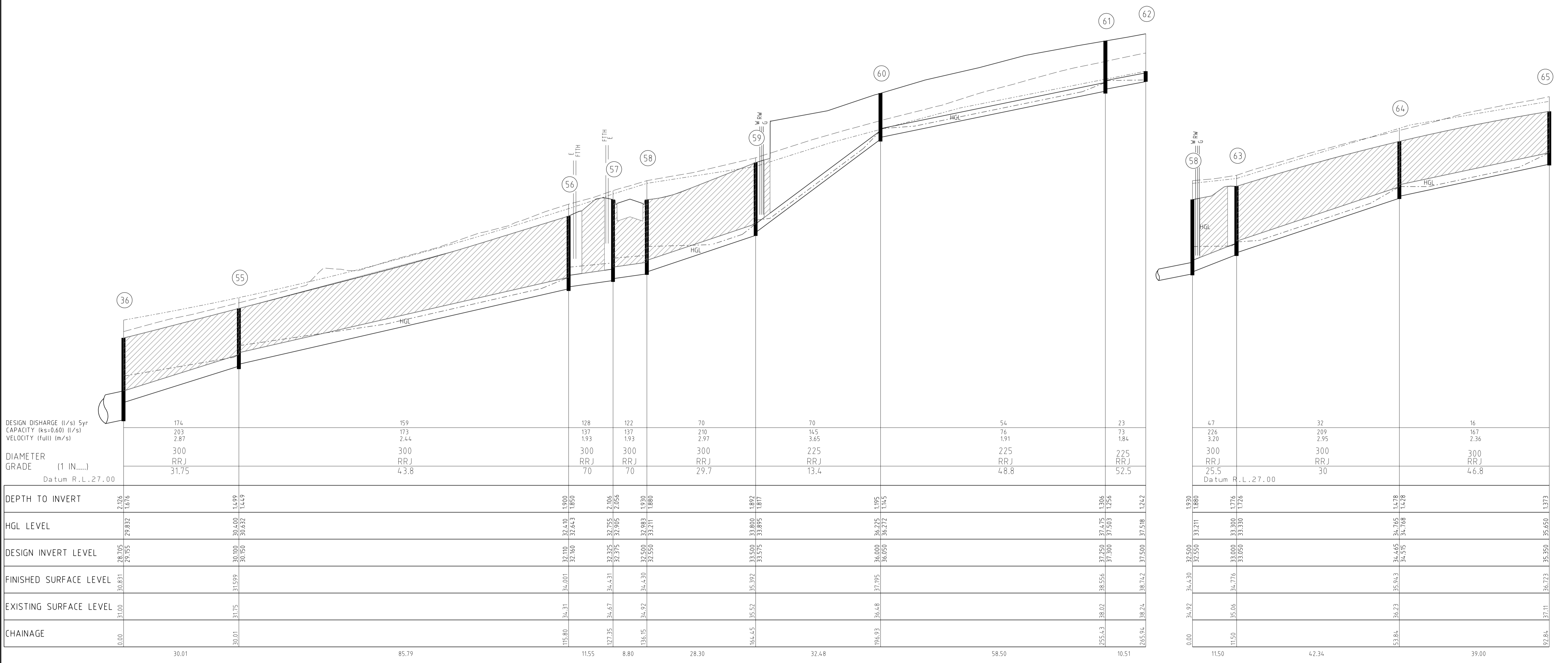
**MERIDIAN ESTATE  
STAGE 10**

MUNICIPALITY  
CASEY

REFERENCE  
8129 E/10

SCALE AS SHOWN  
DATUM AHD  
DATE APR. 17  
SHEET 25 OF 31  
P5

Plot: 8129/17/21/18



	0.00	30.01	30.01	115.80	127.35	136.15	166.45	196.93	324.8	58.50	255.43	265.94	11.50	42.34	53.84	92.84
DEPTH TO INVERT	2.726		14.99	1.900	2.106	1.930	1.892	1.195			1.306	1.242			14.78	1.373
HGL LEVEL	29.832		30.632	32.643	32.905	33.211	33.895	36.272			37.475	37.518			34.765	35.650
DESIGN INVERT LEVEL	28.705		30.400	32.110	32.325	32.500	33.500	36.000			37.250	37.500			34.465	35.350
FINISHED SURFACE LEVEL	30.831		31.599	36.001	36.431	36.430	35.392	37.195			38.556	38.742			35.913	36.723
EXISTING SURFACE LEVEL	31.00		31.75	34.31	34.67	34.92	35.52	36.48			38.02	38.24			36.23	37.11
CHAINAGE	0.00	30.01	30.01	115.80	127.35	136.15	166.45	196.93	324.8	58.50	255.43	265.94	11.50	42.34	53.84	92.84

STORMWATER DRAINAGE LONGITUDINAL SECTIONS  
 SCALE Hor. 1:500  
 Vert 1:50

Denotes crushed rock backfill

		<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 SURVEY B.P.D. DESIGN RK DRAWN RK		<b>MERIDIAN ESTATE          STAGE 10</b>		MUNICIPALITY <b>CASEY</b>		
CHECKED SCALE AS SHOWN DATUM AHD DATE APR. 17				REFERENCE <b>8129 E/10</b>		
VER.	DATE	REMARKS	SHEET 26 OF 31	P5		

(80)

DESIGN DISCHARGE (l/s) 5yr	237
CAPACITY (ks=0.60) (l/s)	704
VELOCITY (full) (m/s)	4.43
DIAMETER	450
GRADE (1 IN.....)	RRJ 22.9
Datum R.L.	25.00
DEPTH TO INVERT	2.638
HGL LEVEL	27.326
DESIGN INVERT LEVEL	26.680
FINISHED SURFACE LEVEL	29.198
EXISTING SURFACE LEVEL	29.16
CHAINAGE	31.75

DESIGN DISCHARGE (l/s) 5yr	338	327	327	305	264	264	264	245	56
CAPACITY (ks=0.60) (l/s)	457	457	582	547	482	308	308	275	93
VELOCITY (full) (m/s)	2.88	2.88	3.66	3.44	3.03	1.93	1.93	1.73	1.32
DIAMETER	450	450	450	450	450	450	450	450	300
GRADE (1 IN.....)	RRJ 54.3	RRJ 54.3	RRJ 33.54	RRJ 37.90	RRJ 48.8	RRJ 120	RRJ 120	RRJ 150	RRJ 150
Datum R.L.	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00
DEPTH TO INVERT	2.483	2.483	2.018	1.758	1.910	1.872	1.822	1.985	1.897
HGL LEVEL	30.086	30.156	30.363	32.350	34.550	35.050	35.237	35.421	35.641
DESIGN INVERT LEVEL	28.900	29.260	29.410	31.900	34.100	34.600	34.745	34.870	35.000
FINISHED SURFACE LEVEL	31.383	31.378	31.595	33.658	36.010	36.472	36.730	36.729	36.897
EXISTING SURFACE LEVEL	31.33	31.56	31.76	33.88	36.22	36.75	36.82	36.98	37.22
CHAINAGE	8.84	11.53	20.37	74.79	176.67	198.62	210.12	218.92	230.48

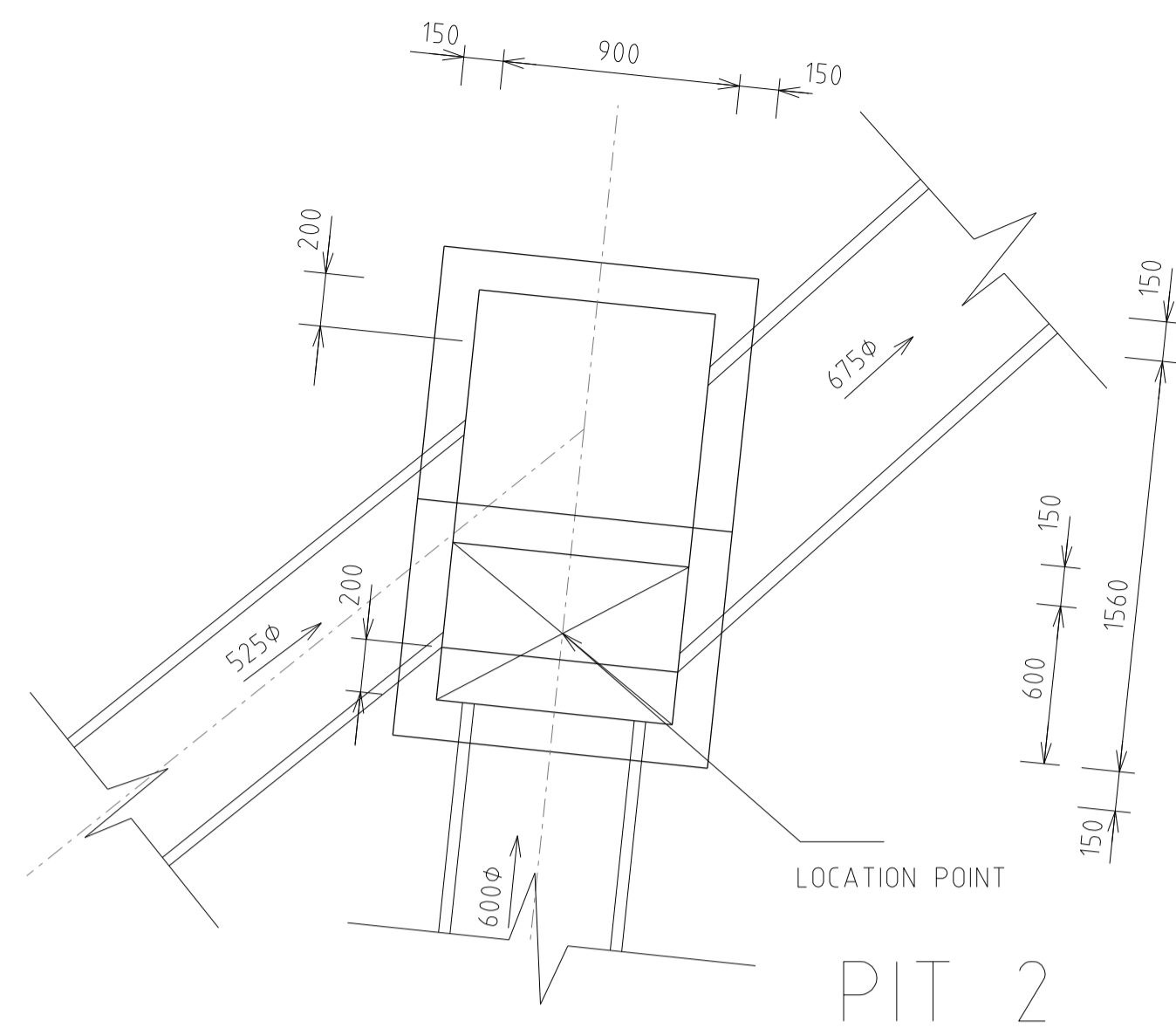
DESIGN DISCHARGE (l/s) 5yr	18	19	194	186
CAPACITY (ks=0.60) (l/s)	72	71	213	213
VELOCITY (full) (m/s)	1.82	1.00	1.34	1.34
DIAMETER	225	300	450	450
GRADE (1 IN.....)	RRJ 54	RRJ 260	RRJ 250	RRJ 250
Datum R.L.	27.00	27.00	27.00	27.00
DEPTH TO INVERT	1.910	1.859	1.887	1.847
HGL LEVEL	34.250	35.020	35.050	35.713
DESIGN INVERT LEVEL	34.100	34.250	35.000	35.050
FINISHED SURFACE LEVEL	36.010	36.729	36.897	37.22
EXISTING SURFACE LEVEL	36.03	36.78	36.87	37.40
CHAINAGE	51.75	37.08	9.29	2.95

STORMWATER DRAINAGE LONGITUDINAL SECTIONS

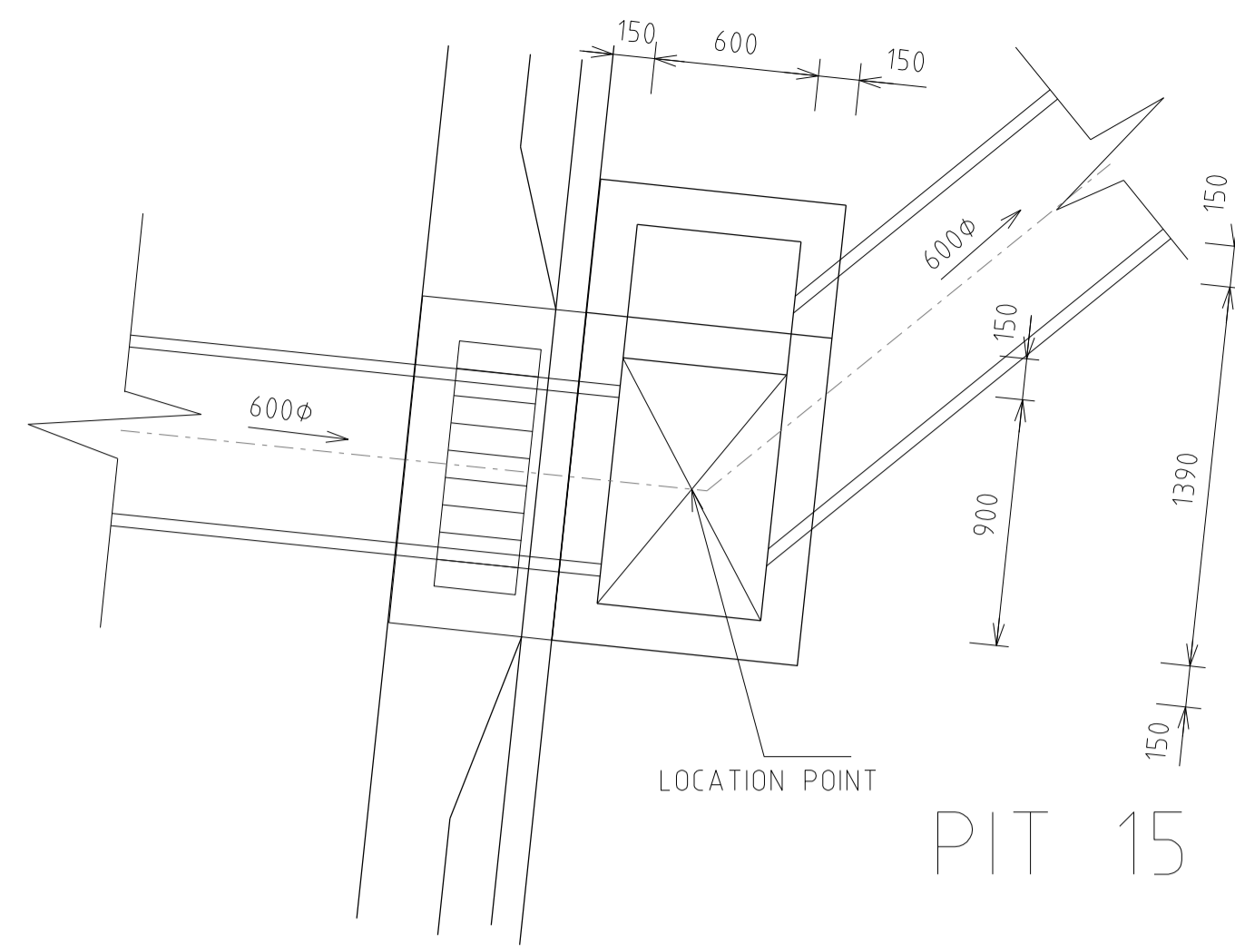
SCALE Hor. 1:50  
Vert 1:50

/// DENOTES CRUSHED ROCK BACKFILL

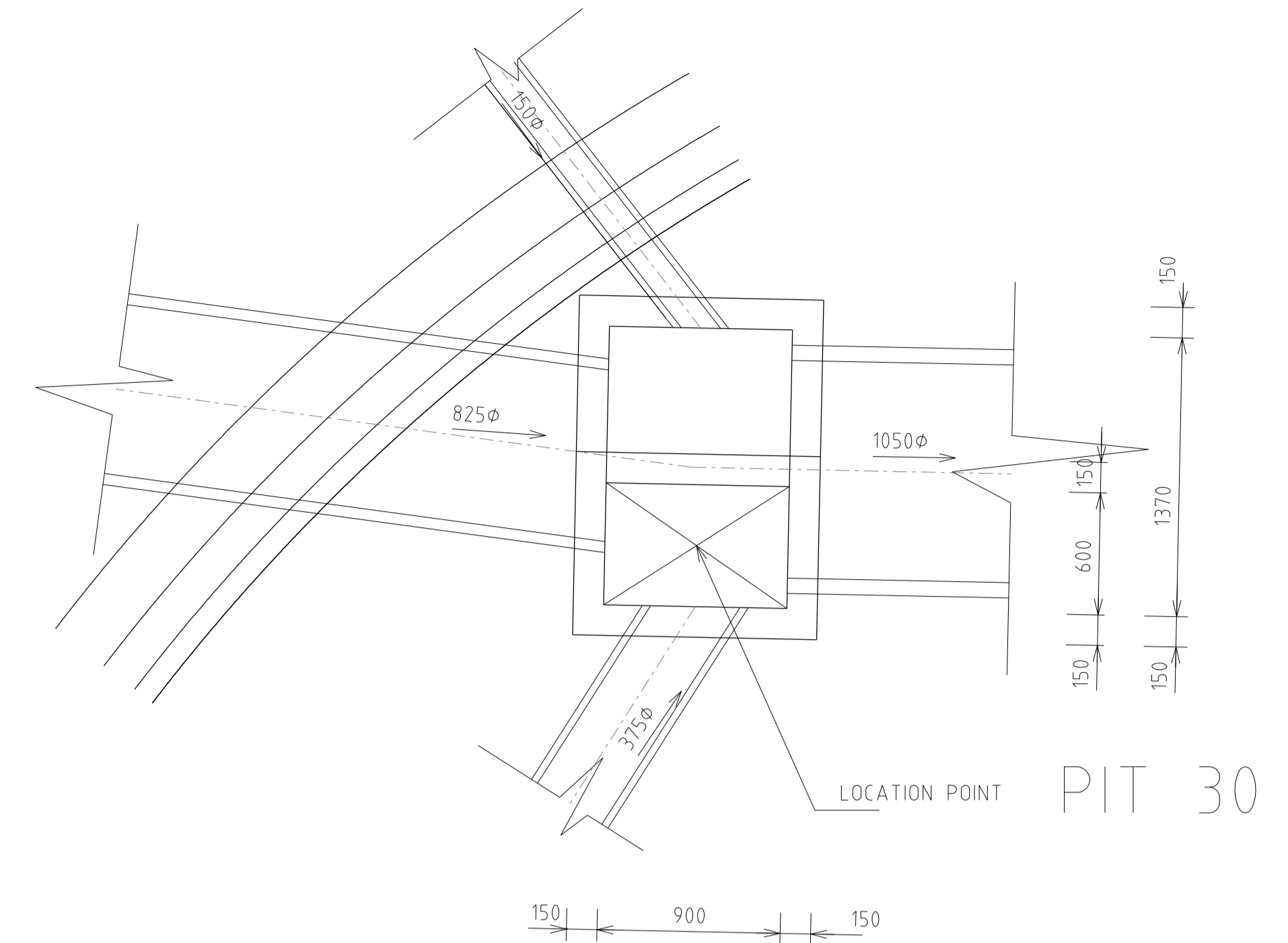
		<b>breese pitt dixon pty. ltd.</b> land surveyors civil engineers		1/19 cato street howthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
MELWAY REF. 131-C-12 SURVEY B.P.D. DESIGN RK DRAWN RK		<b>MERIDIAN ESTATE STAGE 10</b>		MUNICIPALITY CASEY REFERENCE 8129 E/10	
AMENDMENTS  VER. DATE REMARKS	CHECKED	SCALE AS SHOWN	DATUM AHD	DATE APR. 17	SHEET 27 OF 31 P5



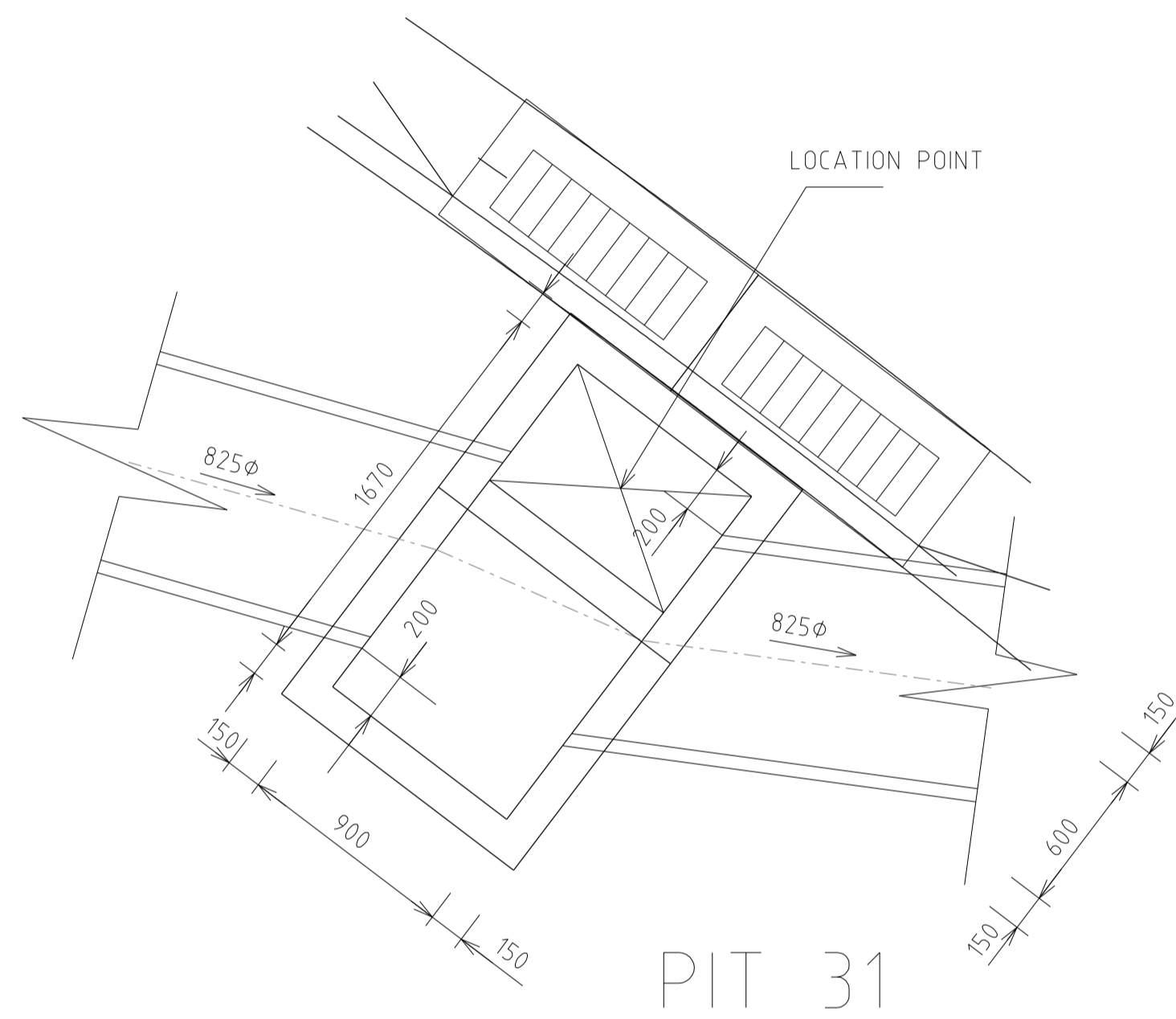
PIT 2



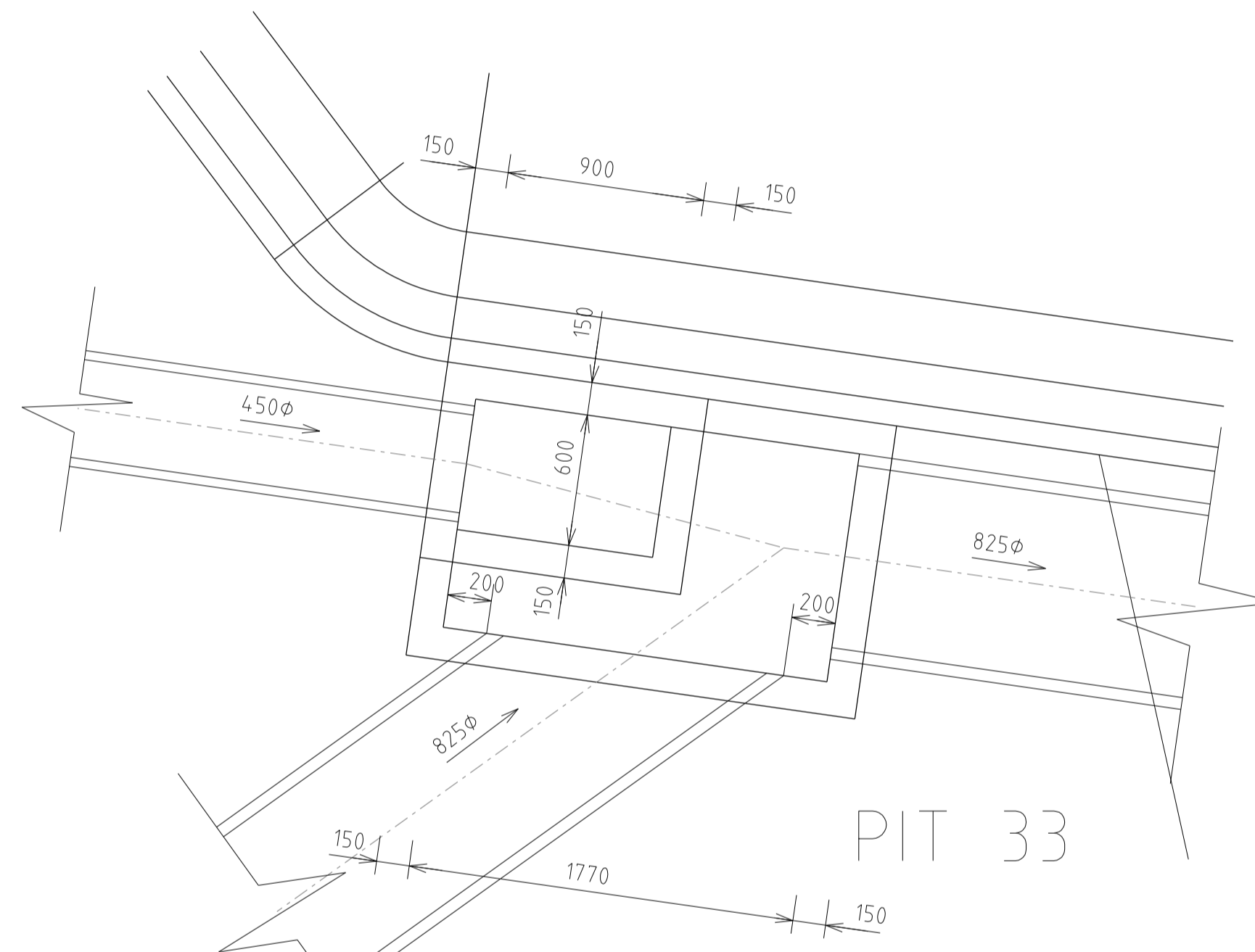
PIT 15



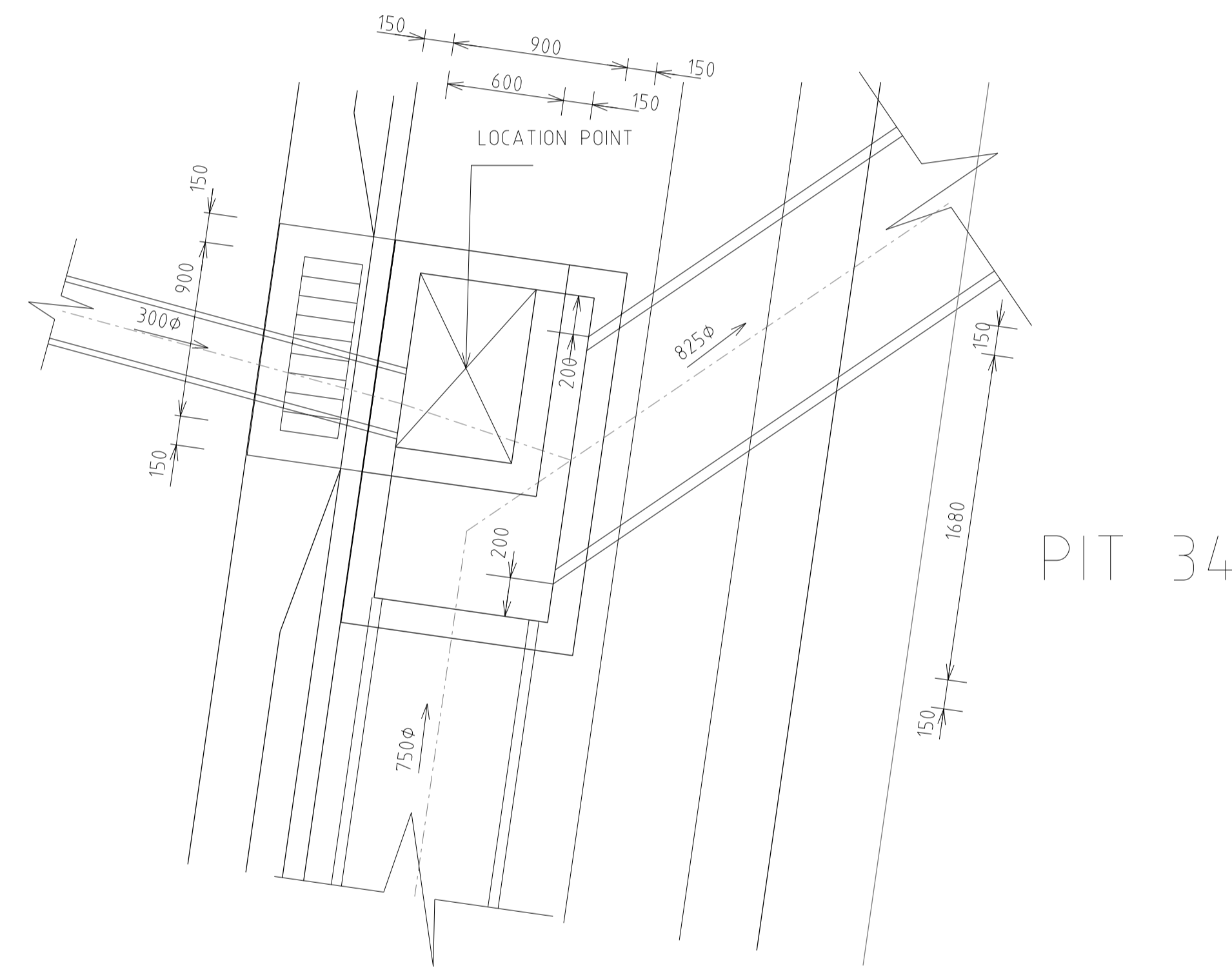
PIT 30



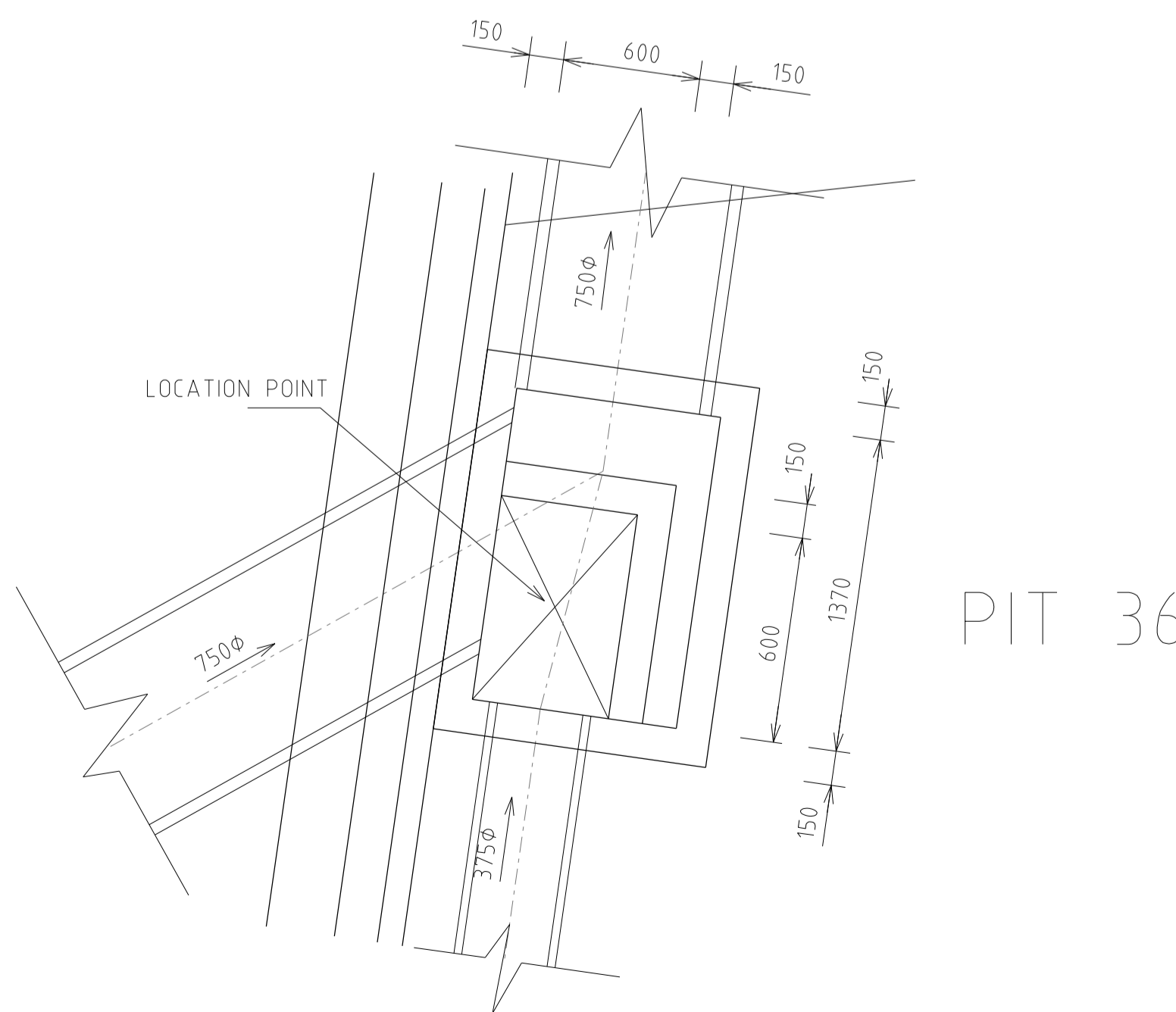
PIT 31



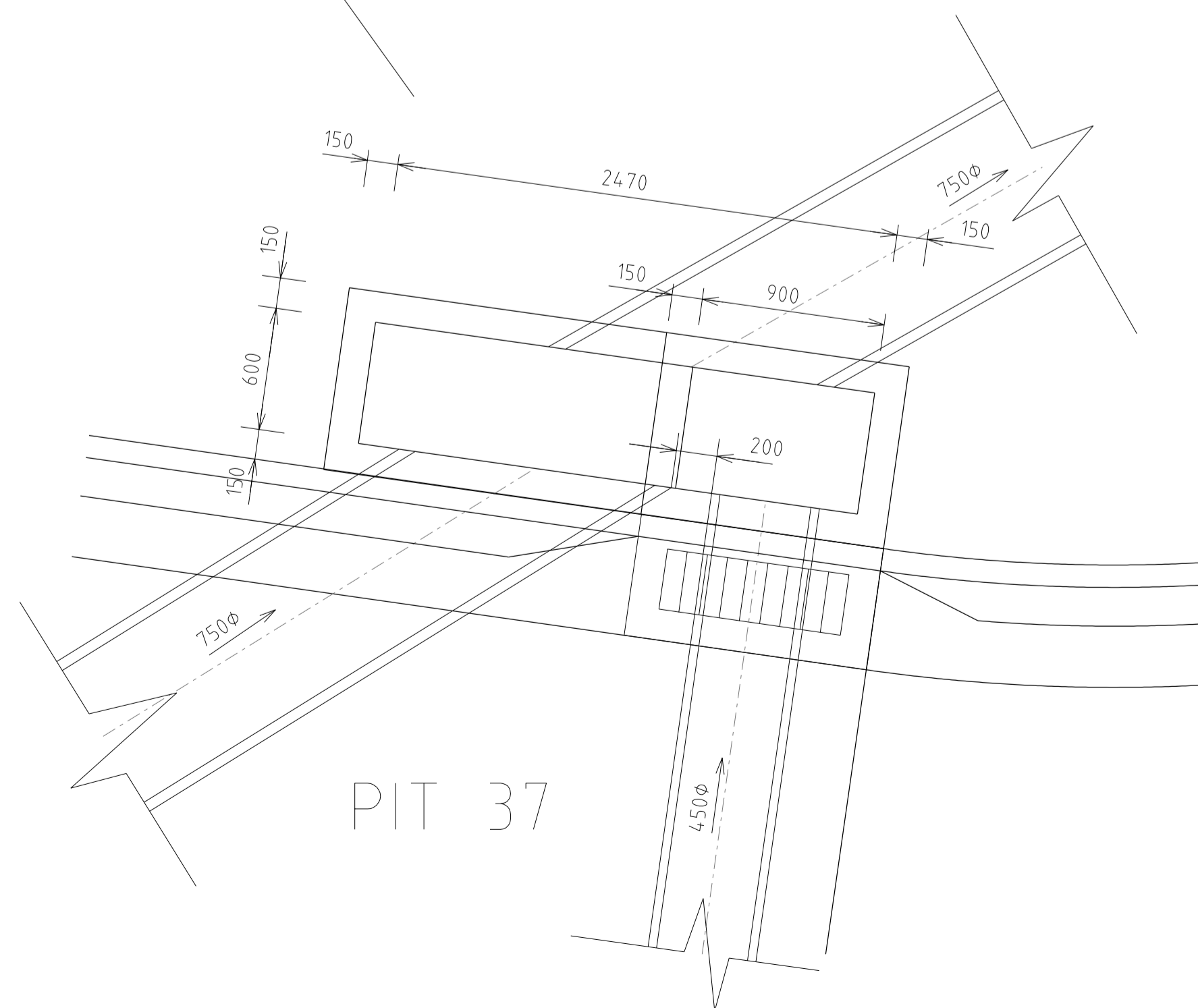
PIT 33



PIT 34

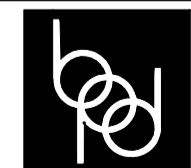


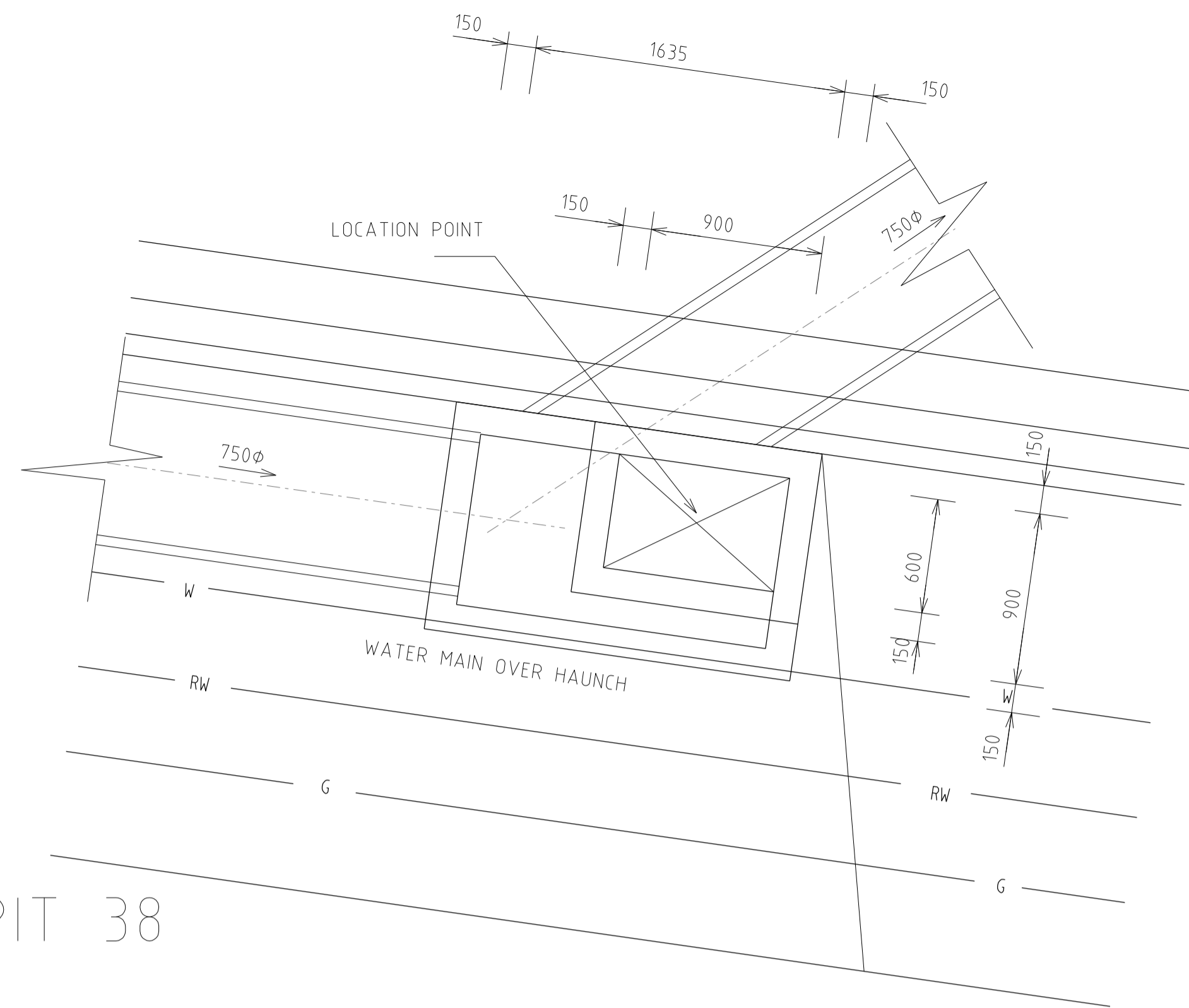
PIT 36



PIT 37

NOTES  
 1. ALL REINFORCEMENT AS PER GROWTH AREA'S STANDARD DRAWING EDMC 607  
 2. FOR PITS WHICH ARE HAUNCHED IN BOTH DIRECTIONS STRUCTURAL CERTIFICATION TO BE PROVIDED PRIOR TO COMMENCEMENT OF CONSTRUCTION

AMENDMENTS		 <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 10</b>	MUNICIPALITY	
VER	DATE			REMARKS	CASEY
					REFERENCE
					8129 E/10
			SCALE AS SHOWN	DATUM AHD	
			DATE APR. 17	SHEET 28 OF 31	



PIT 38

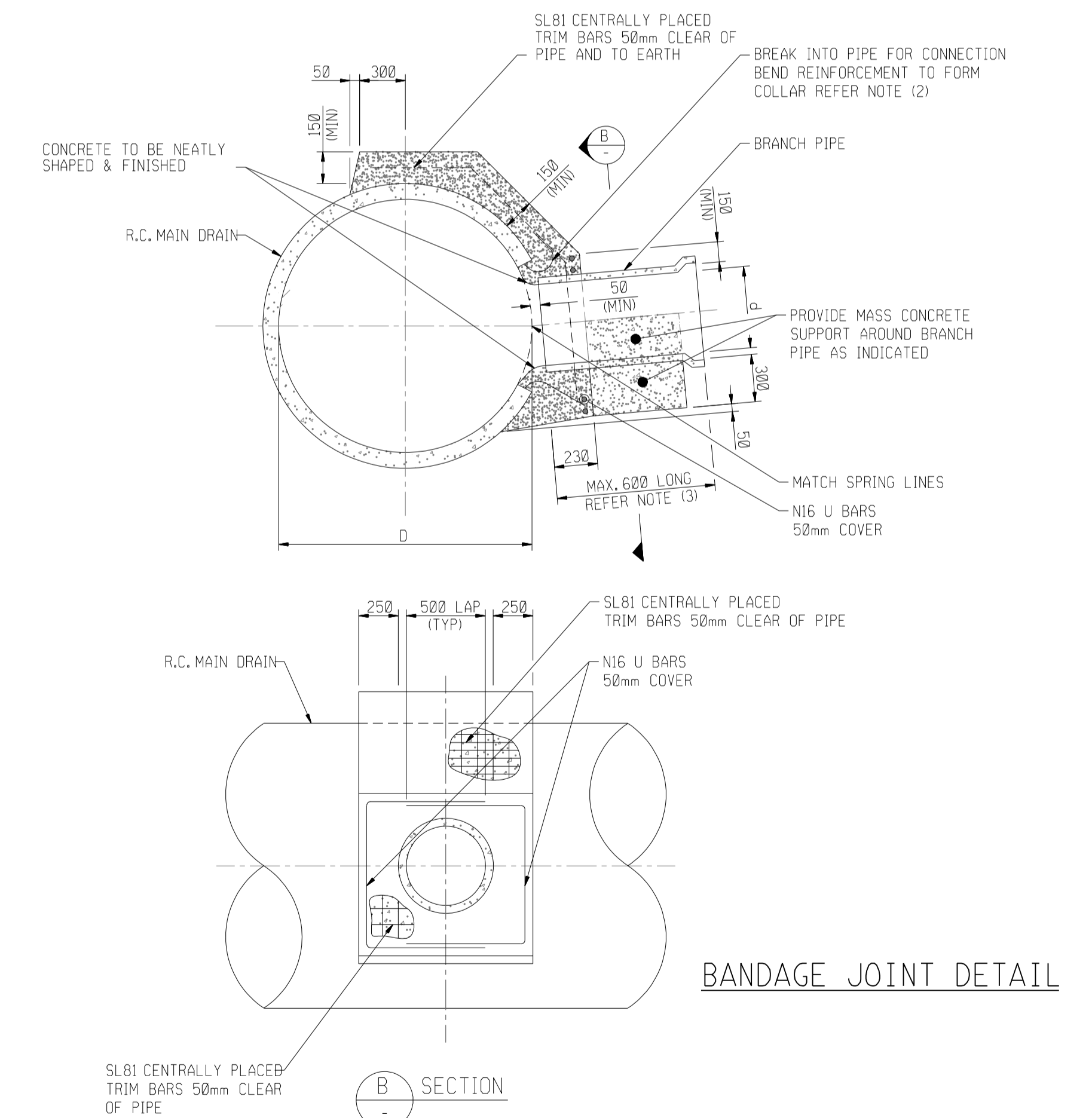
- NOTES
1. ALL REINFORCEMENT AS PER GROWTH AREAS STANDARD DRAWING EDM 607
  2. FOR PITS WHICH ARE HAUNCHED IN BOTH DIRECTIONS STRUCTURAL CERTIFICATION TO BE PROVIDED PRIOR TO COMMENCEMENT OF CONSTRUCTION

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	PIPE OUTFALL		675	25.200			26.488	1.288	REFER MELBOURNE WATER DRAWING 7251/08/103
2	J.P.	S 900x600 H 900x1560	525 600	25.895 25.705	675	25.295	26.930	1.635	EDM 605 HAUNCH PIT EDM 607 REFER SETOUT DETAIL
3	J.P.	900x600	525	25.985	525	25.955	27.561	1.606	EDCM 605
4	J.P.	900x600	525	26.040	525	26.010	27.574	1.564	EDCM 605
5	G.S.E.P.	900x600	Ex525 300	26.325 26.300	525	26.075	27.774	1.699	EDCM 603/605
6	NO ACTION		NO ACTION		NO ACTION				NO ACTION
7	G.S.E.P.	900x600	-	-	300	26.334	27.767	1.433	EDCM 603/605
8	PIPE OUTFALL		375	25.200			26.175	0.975	REFER MELBOURNE WATER DRAWING 7251/08/103
9	J.P.	900x600	375	25.780	375	25.255	26.660	1.405	EDCM 605
10	D.G.S.E.P.	900x600	300 300	25.880 25.905	375	25.830	27.286	1.456	EDCM 602/605
11	G.S.E.P.	900x600	Ex300	26.050	375	25.930	27.444	1.514	EDCM 603/605
12	D.G.S.E.P.	900x600	300	25.955	300	25.945	27.324	1.379	EDCM 604/605
13	J.P.	900x600	-	-	300	26.150	27.477	1.327	EDCM 605
14	J.P.	900x900	600	26.095	600	25.765	27.195	1.430	EDCM 605
15	G.S.E.P.	S 900x600 H 1350x600	600	26.170	600	26.140	27.687	1.547	EDM 601/605 HAUNCH PIT EDM 607 REFER SETOUT DETAIL
16	G.S.E.P.	S 900x600 H 900x900	600	26.220	600	26.190	27.702	1.512	EDCM 603/605 HAUNCH PIT EDM 607
17	G.S.E.P.	S 900x600 H 900x900	600	26.380	600	26.350	28.242	1.892	EDCM 603/605 HAUNCH PIT EDM 607
18	G.S.E.P.	S 900x600 H 900x900	600	26.470 26.720	600	26.420	28.382	1.962	EDCM 603/605 HAUNCH PIT EDM 607
19	J.P.	S 900x600 H 900x900	450 300 225	26.925 26.815 26.905	600	26.530	28.510	1.980	EDCM 605 HAUNCH PIT EDM 607
20	ExTemp E.W.	-x-	Ex450	27.100	450	27.100	28.577	1.477	REMOVE TEMPORARY SANDBAG ENDWALL AND CONNECT PIPE
21	G.S.E.P.	900x600	300 300	26.815 26.815	300	26.765	28.448	1.683	EDCM 603/605
22	G.S.E.P.	900x600	300	27.400	300	27.350	28.773	1.423	EDCM 603/605
23	J.P.	900x600	-	-	300	27.600	28.925	1.325	EDCM 605
24	G.S.E.P.	900x600	-	-	300	26.850	28.465	1.615	EDCM 601/605
25	G.S.E.P.	900x600	-	-	300	26.865	28.512	1.647	EDCM 603/605
26	J.P.	900x600	225	28.030	225	27.980	29.121	1.141	EDCM 605
27	ExTemp E.W.	-x-	Ex225	28.600	225	28.600	29.494	0.894	REMOVE TEMPORARY SANDBAG ENDWALL AND CONNECT PIPE
28	Temp E.W.	-x-	1050	26.110	-	26.110	27.410	1.300	TEMPORARY SANDBAG ENDWALL
29	G.S.E.P.	S 900x600 H 900x1200	1050	26.200	1050	26.150	28.998	2.848	EDCM 603/605 HAUNCH PIT EDM 607
29A	BANDAGE JOINT	-x-	450	26.680	1050	26.253	29.190	-	BANDAGE JOINT REFER DETAIL THIS SHEET
30	J.P.	S 900x600 H 900x1370	825 375 150	26.670 27.120 27.150	1050	26.295	29.220	2.925	EDCM 605 HAUNCH PIT EDM 607 REFER SETOUT DETAIL
31	G.S.E.P.	S 900x600 H 900x1070	825	27.030	825	26.825	29.273	2.448	EDCM 603/605 HAUNCH PIT EDM 607 REFER SETOUT DETAIL
32	G.S.E.P.	S 900x600 H 900x1050	825 300	27.250 27.770	825	27.200	29.407	2.207	EDCM 603/605 HAUNCH PIT EDM 607 REFER SETOUT DETAIL FIT TRAFFICABLE LID
33	G.S.E.P.	S 900x600 H 1770x1050	825 450	27.470 27.950	825	27.420	29.538	2.118	EDCM 603/605 HAUNCH PIT EDM 607 REFER SETOUT DETAIL
34	G.S.E.P.	S 900x600 H 1680x900	750 300	27.645 28.095	825	27.570	29.770	2.200	EDCM 603/605 HAUNCH PIT EDM 607 REFER SETOUT DETAIL
35	J.P.	S 900x600 H 900x900	750 300 225	28.200 28.600 28.675	750	28.150	30.268	2.118	EDCM 605 HAUNCH PIT EDM 607
36	J.P.	S 900x600 H 1370x900	750 375	28.755 29.155	750	28.705	30.831	2.126	EDCM 605 HAUNCH PIT EDM 607 REFER SETOUT DETAIL
37	G.S.E.P.	S 900x600 H 2470x600	750 450	29.100 29.200	750	28.900	31.383	2.483	EDCM 603/605 HAUNCH PIT EDM 607 REFER SETOUT DETAIL
38	J.P.	S 900x600 H 1635x900	750	29.380	750	29.155	31.435	2.280	EDCM 605 HAUNCH PIT EDM 607 REFER SETOUT DETAIL
39	ExTemp E.W.	-x-	Ex750	29.445	750	29.445	31.518	2.073	REMOVE TEMPORARY SANDBAG ENDWALL AND CONNECT PIPE
40	J.P.	900x600	-	-	150	27.800	29.523	1.723	EDCM 605 FIT CLASS 'D' CAST IRON COVER
41	J.P.	900x600	375	27.555	375	27.350	29.286	1.936	EDCM 605
42	G.S.E.P.	900x600	375 300	27.955 28.055	375	27.905	29.674	1.769	EDCM 603/605
43	End Pipe	-x-	-	-	375	28.360	30.197	1.837	SEAL END OF PIPE FOR FUTURE CONNECTION
44	G.S.E.P.	900x600	300	28.155	300	28.105	29.652	1.547	EDCM 603/605
45	End Pipe	-x-	-	-	300	28.700	30.171	1.471	SEAL END OF PIPE FOR FUTURE CONNECTION
46	G.S.E.P.	900x600	-	-	300	27.825	29.381	1.556	EDCM 603/605
47	ExTemp E.W.	-x-	Ex450	28.000	450	28.000	29.625	1.625	REMOVE TEMPORARY SANDBAG ENDWALL AND CONNECT PIPE
48	G.S.E.P.	900x600	-	-	300	28.130	29.760	1.630	EDCM 603/605
49	J.P.	900x600	225	29.500	225	29.450	30.556	1.106	EDCM 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
50	J.P.	900x600	225	32.200	225	32.150	33.191	1.041	EDCM 605
51	J.P.	900x600	-	-	225	34.165	35.260	1.095	EDCM 605
52	J.P.	900x600	225	28.715	300	28.640	30.359	1.719	EDCM 605
53	J.P.	900x600	225	30.275	225	30.225	31.194	0.969	EDCM 605
54	ExTemp E.W.	-x-	Ex225	30.350	225	30.350	31.246	0.896	REMOVE TEMPORARY SANDBAG ENDWALL AND CONNECT PIPE
55	G.S.E.P.	900x600	300	30.150	375	30.100	31.599	1.499	EDCM 601/605
56	J.P.	900x600	300	32.160	300	32.110	34.001	1.900	EDCM 605
57	G.S.E.P.	900x600	300	32.375	300	32.325	34.431	2.106	EDCM 603/605
58	G.S.E.P.	900x600	300 300	32.550 32.550	300	32.500	34.430	1.930	EDCM 603/605
59	J.P.	900x600	225	33.575	300	33.500	35.392	1.892	EDCM 605
60	J.P.	900x600	225	36.050	225	36.000	37.195	1.195	EDCM 605
61	J.P.	900x600	225	37.300	225	37.250	38.556	1.306	EDCM 605
62	End Pipe	-x-	-	-	225	37.500	38.742	1.242	SEAL END OF PIPE FOR FUTURE CONNECTION
63	G.S.E.P.	900x600	300	33.050	300	33.000	34.776	1.776	EDCM 603/605
64	J.P.	900x600	300	34.515	300	34.465	35.943	1.478	EDCM 605
65	J.P.	900x600	-	-	300	35.350	36.723	1.373	EDCM 605
66	G.S.E.P.	900x600	450	29.410	450	29.360	31.378	2.018	EDCM 603/605
67	G.S.E.P.	900x600	450	29.670	450	29.620	31.595	1.975	EDCM 603/605
68	G.S.E.P.	900x600	450	31.950	450	31.900	33.658	1.758	EDCM 603/605
69	G.S.E.P.	900x600	450 225	34.150 34.250	450	34.100	36.010	1.910	EDCM 603/605
70	J.P.	900x600	450	34.650	450	34.600	36.472	1.872	EDCM 605
71	G.S.E.P.	900x600	450	34.795	450	34.745	36.730	1.985	EDCM 603/605
72	G.S.E.P.	900x600	450 300	34.920 35.020	450	34.870	36.729	1.859	EDCM 603/605
73	J.P.	900x600	450 300	35.050 35.150	450	35.000	36.897	1.897	EDCM 605
74	End Pipe	-x-	-	-	300	35.190	36.992	1.802	SEAL END OF PIPE FOR FUTURE CONNECTION
75	J.P.	900x600	-	-	225	35.200	36.119	0.919	EDCM 605
76	J.P.	900x600	-	-	300	35.165	36.637	1.472	EDCM 605
77	G.S.E.P.	900x600	450	35.140	450	35.090	36.946	1.856	EDCM 603/605
78	End Pipe	-x-	-	-	450	35.150	36.993	1.843	SEAL END OF PIPE FOR FUTURE CONNECTION
79	J.P.	900x600	450	28.200	450	28.140	29.361	2.626	EDCM 605
80	End Pipe	-x-	-	-	450	29.575	31.187	1.612	SEAL END OF PIPE FOR FUTURE CONNECTION



AMENDMENTS		<b>breese pitt dixon pty. ltd.</b> land surveyors civil engineers	1/19 calo street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
			MELWAY REF. 131-C-12	MUNICIPALITY CASEY
VER. DATE		SURVEY B.P.D. DESIGN RK DRAWN RK	MERIDIAN ESTATE STAGE 10	
REMARKS		CHECKED	SCALE AS SHOWN	DATUM AHD
			DATE APR. 17	SHEET 29 OF 31 P5

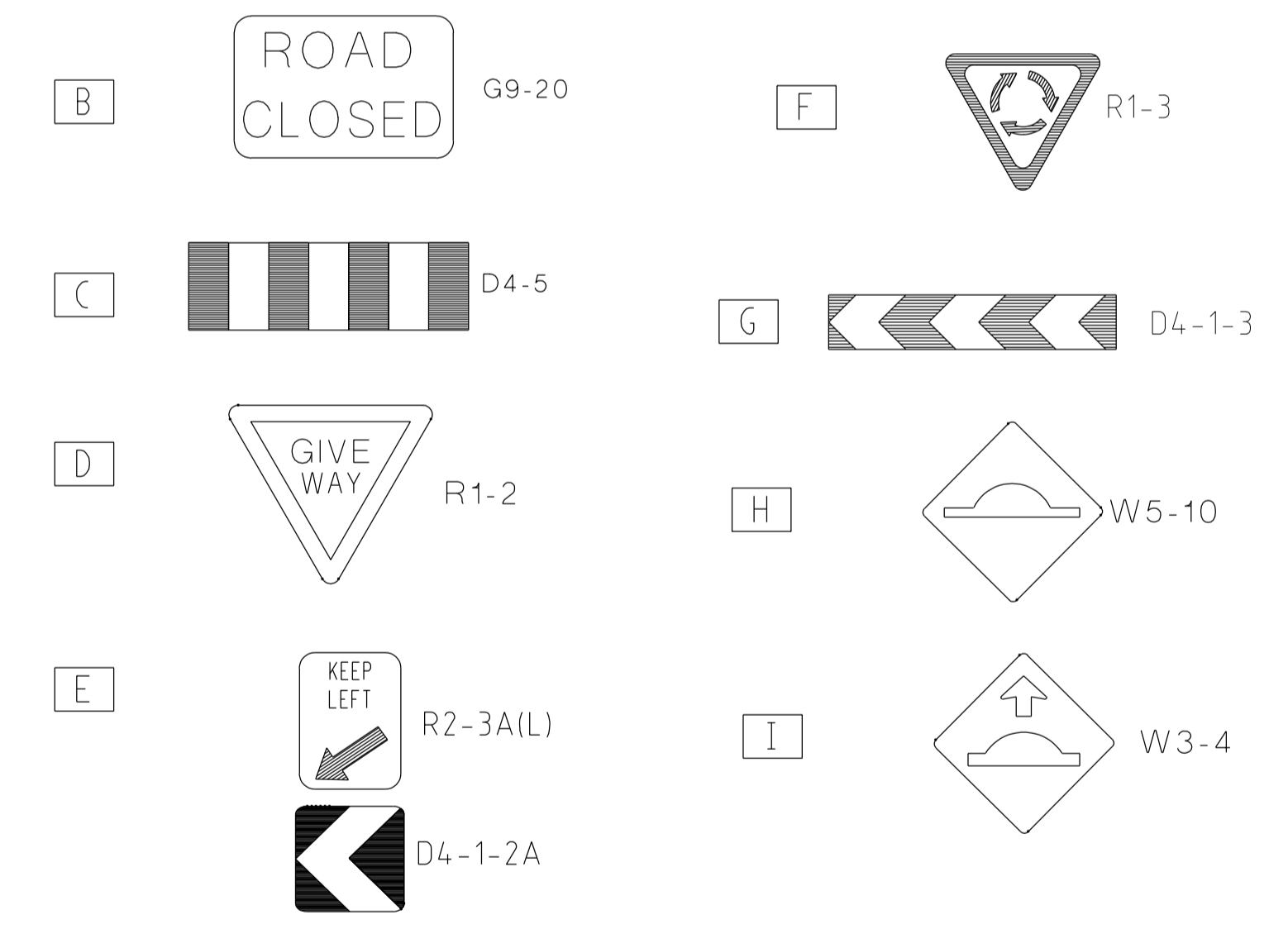


**NOTES**

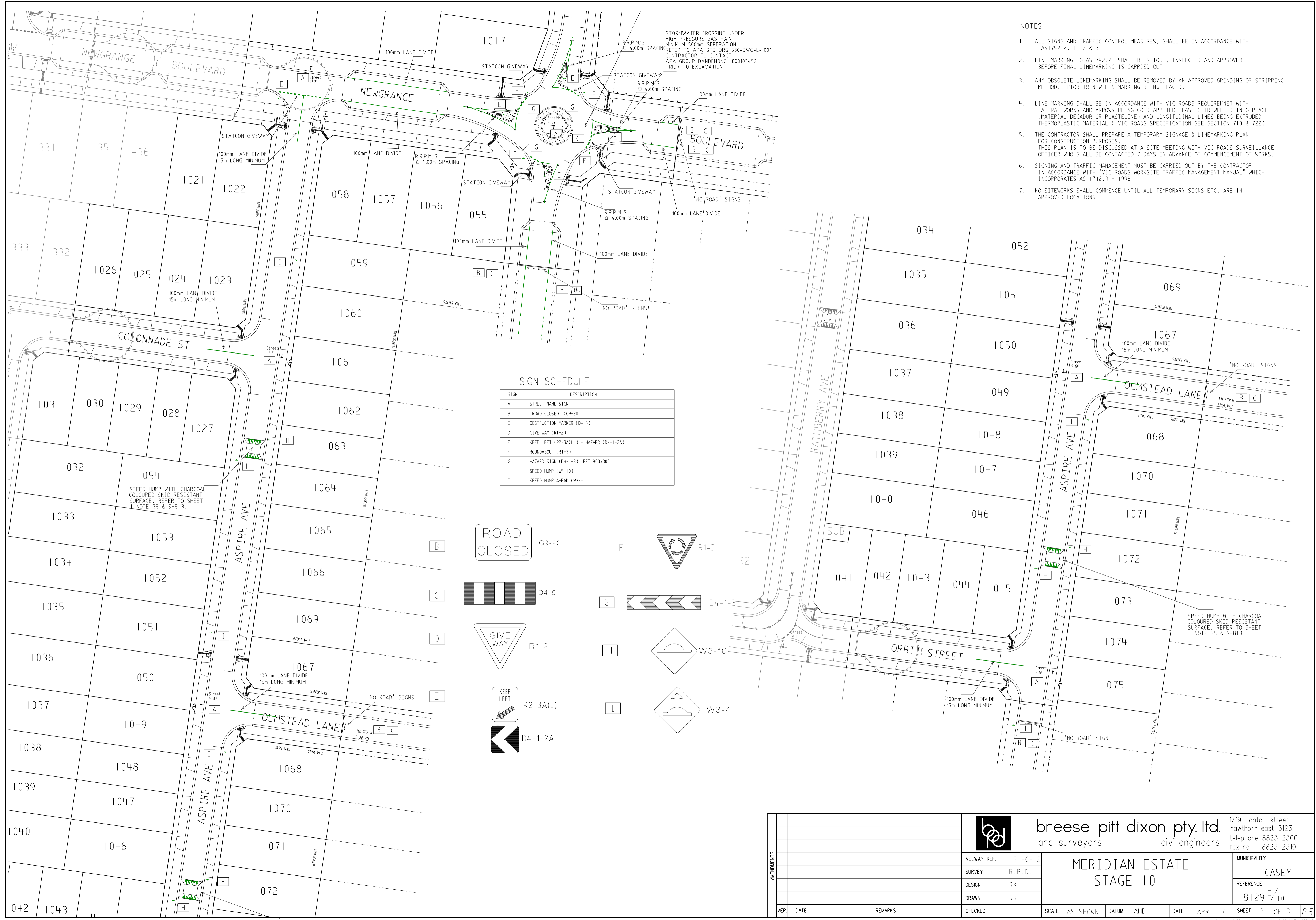
- ALL SIGNS AND TRAFFIC CONTROL MEASURES, SHALL BE IN ACCORDANCE WITH AS1742.2, 1, 2 & 3
- LINE MARKING TO AS1742.2, SHALL BE SETOUT, INSPECTED AND APPROVED BEFORE FINAL LINEMARKING IS CARRIED OUT.
- ANY OBSOLETE LINEMARKING SHALL BE REMOVED BY AN APPROVED GRINDING OR STRIPPING METHOD, PRIOR TO NEW LINEMARKING BEING PLACED.
- LINE MARKING SHALL BE IN ACCORDANCE WITH VIC ROADS REQUIREMNET WITH LATERAL WORKS AND ARROWS BEING COLD APPLIED PLASTIC TROWELLED INTO PLACE (MATERIAL DEGADUR OR PLASTELINE) AND LONGITUDINAL LINES BEING EXTRUDED THERMOPLASTIC MATERIAL ( VIC ROADS SPECIFICATION SEE SECTION 710 & 722)
- THE CONTRACTOR SHALL PREPARE A TEMPORARY SIGNAGE & LINEMARKING PLAN FOR CONSTRUCTION PURPOSES. THIS PLAN IS TO BE DISCUSSED AT A SITE MEETING WITH VIC ROADS SURVEILLANCE OFFICER WHO SHALL BE CONTACTED 7 DAYS IN ADVANCE OF COMMENCEMENT OF WORKS.
- SIGNING AND TRAFFIC MANAGEMENT MUST BE CARRIED OUT BY THE CONTRACTOR IN ACCORDANCE WITH "VIC ROADS WORKSITE TRAFFIC MANAGEMENT MANUAL" WHICH INCORPORATES AS 1742.3 - 1996.
- NO SITEWORKS SHALL COMMENCE UNTIL ALL TEMPORARY SIGNS ETC. ARE IN APPROVED LOCATIONS

**SIGN SCHEDULE**

SIGN	DESCRIPTION
A	STREET NAME SIGN
B	'ROAD CLOSED' (G9-20)
C	OBSTRUCTION MARKER (D4-5)
D	GIVE WAY (R1-2)
E	KEEP LEFT (R2-3A(L)) + HAZARD (D4-1-2A)
F	ROUNDABOUT (R1-3)
G	HAZARD SIGN (D4-1-3) LEFT 900x300
H	SPEED HUMP (W5-10)
I	SPEED HUMP AHEAD (W3-4)



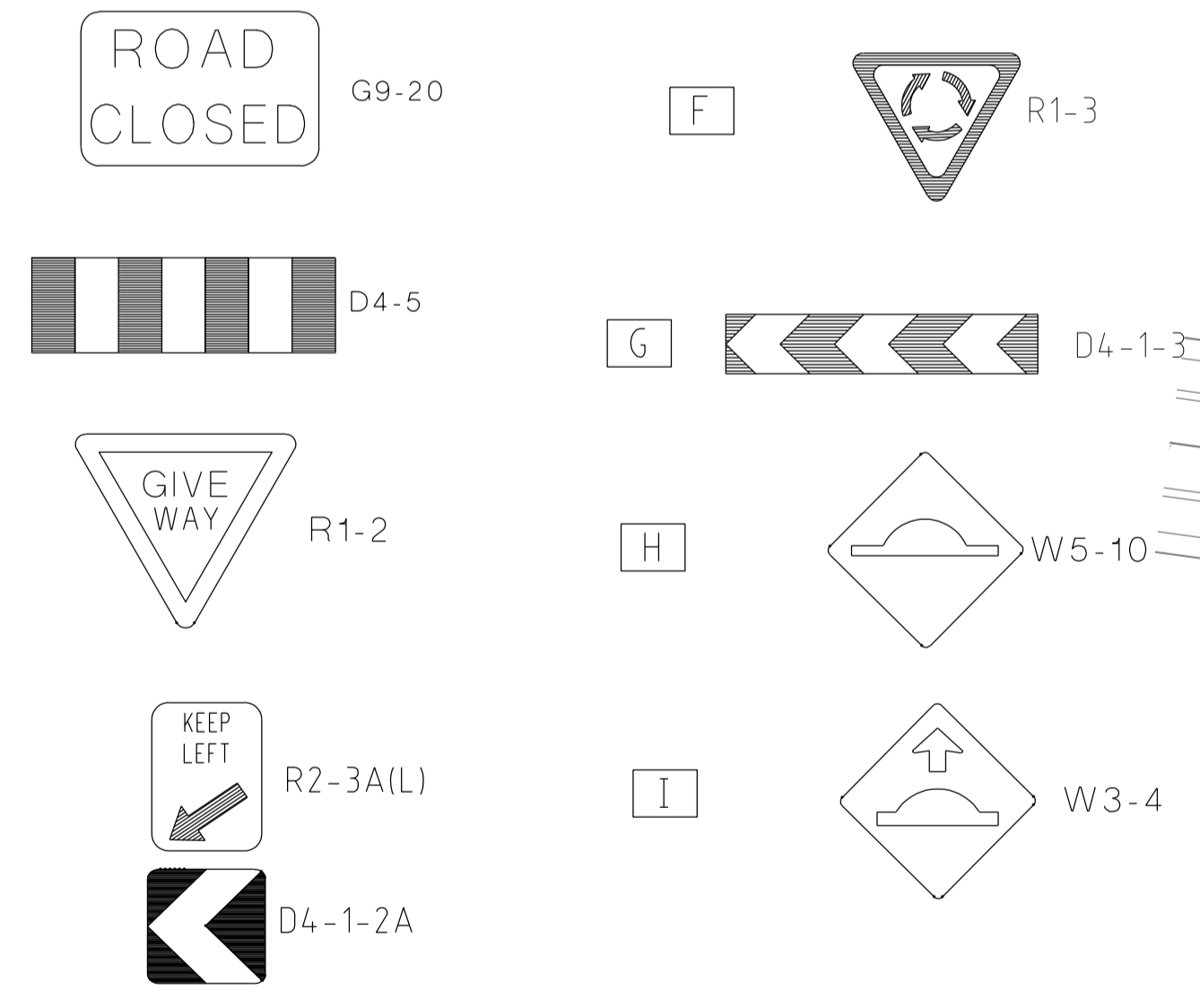
<b>AMENDMENTS</b> VER. DATE REMARKS				<b>breese pitt dixon pty. ltd.</b> land surveyors civil engineers		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
		MELWAY REF. 131-C-12		<b>MERIDIAN ESTATE</b> <b>STAGE 10</b>		MUNICIPALITY <b>CASEY</b>	
		SURVEY B.P.D.,		DESIGN RK		REFERENCE 8129 E/10	
		DRAWN RK		CHECKED		SCALE AS SHOWN DATUM AHD DATE APR. 17	
SHEET 30 OF 31		P5		1/19/2018		1/19/2018	



- 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	KEEP LEFT (R2-3A(L)) + HAZARD (D4-1-2A)
F	ROUNDABOUT (R1-3)
G	HAZARD SIGN (D4-1-3) LEFT 900x300
H	SPEED HUMP (W5-10)
I	SPEED HUMP AHEAD (W3-4)



<b>breese pitt dixon pty. ltd.</b> land surveyors      civil engineers		1/19 coto street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310
<b>MELWAY REF.</b> I 31-C-12 <b>SURVEY</b> B.P.D. <b>DESIGN</b> RK <b>DRAWN</b> RK		<b>MUNICIPALITY</b> CASEY <b>REFERENCE</b> 8129 E/10
<b>AMENDMENTS</b> VER. DATE REMARKS		<b>SCALE</b> AS SHOWN <b>DATUM</b> AHD <b>DATE</b> APR. 17 <b>SHEET</b> 31 OF 31 <b>P5</b>