
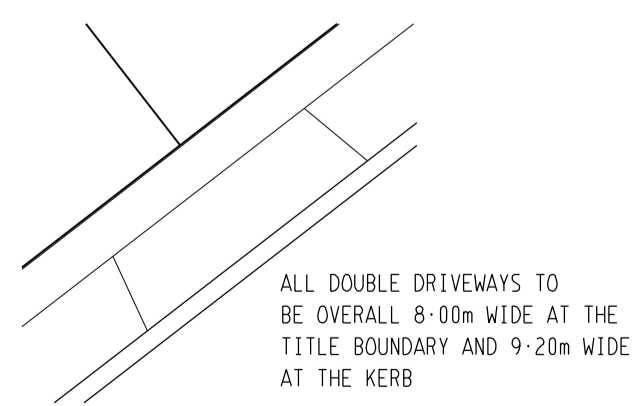


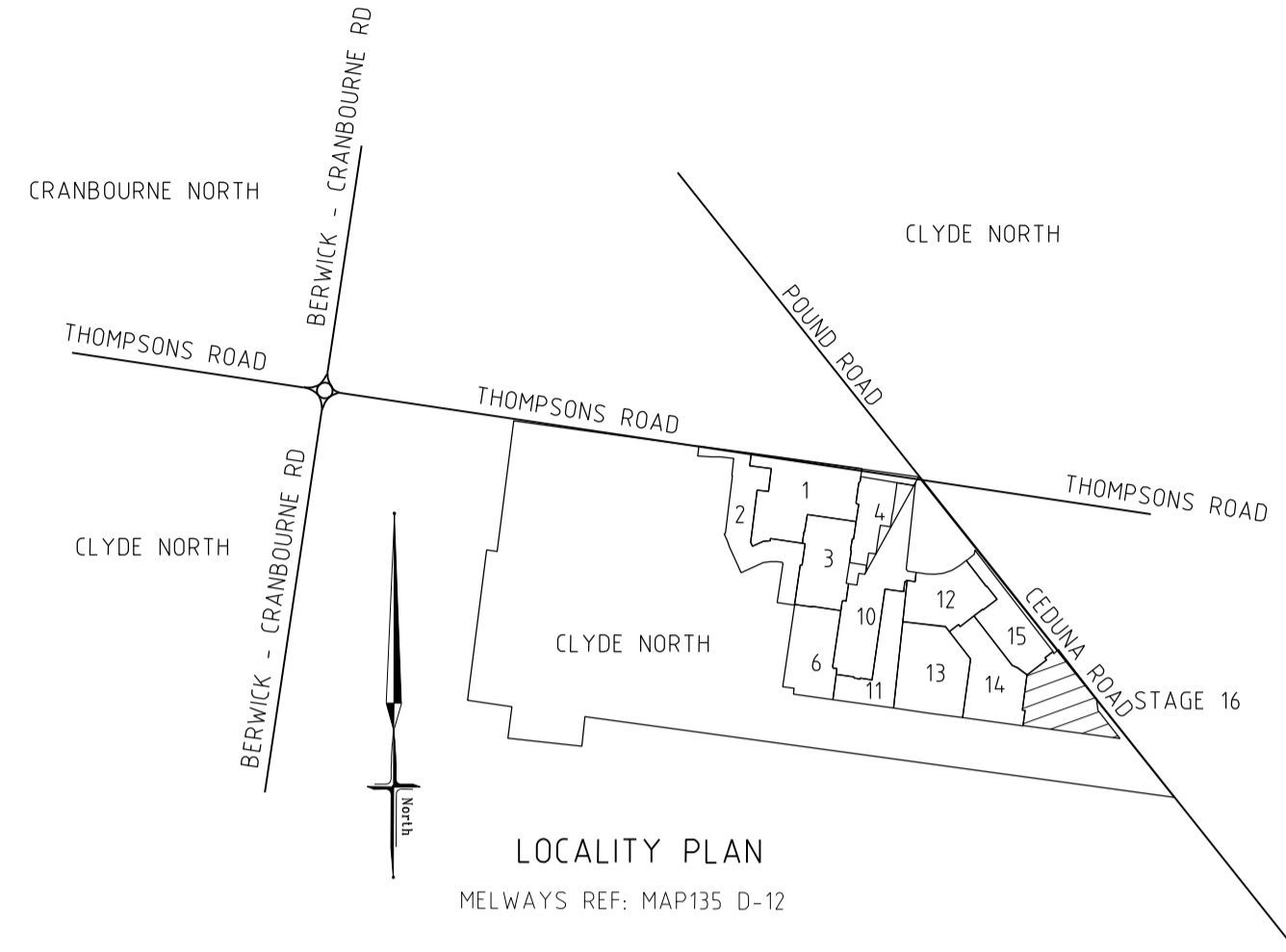
NOTES

- 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.(IJJ). 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. UPTO A LEVEL WHERE THE 45Deg. INFLUENCE LINE FROM THE B.O.K. INTERSECTS WITH THE NEAREST TRENCH SIDE. PROVIDE CRUSHED ROCK BACKFILL WHERE DRAINAGE CROSSES BELOW FOOTPATHS.
- PIPE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED WITH 20mm CLASS 3 CRUSHED ROCK TO A RELATIVE COMPACTION OF 97% OF THE MAXIMUM FOUND IN THE STANDARD COMPACTION TEST FOR THE FOLLOWING:
  - BENEATH THE ROAD OR DRIVEWAY PAVEMENT TO THE UNDERSIDE OF THE PAVEMENT.
  - ADJACENT TO KERBING OR CONCRETE WORKS TO A LEVEL THAT IS NOT AFFECTED BY A 45 DEGREE ANGLE OF REPOSE FROM THE NEAR LOWER EDGE.
 ( TRENCHES TO BE BACKFILLED IN LAYERS NOT EXCEEDING 200mm LOOSE.)
- PRIOR TO COMMENCEMENT OF WORKS ON SITE, THE CONTRACTOR MUST ENSURE THAT ALL MATTERS RELATING TO THE OCCUPATIONAL HEALTH AND SAFETY ACT 2004, INCLUDING ALL RELEVANT REGULATIONS, HAVE BEEN ADDRESSED. IN PARTICULAR, THE REQUIRED NOTIFICATIONS MUST BE CONVEYED TO THE VICTORIAN WORKCOVER AUTHORITY - HEALTH & SAFETY DIVISION WITH RESPECT TO TRENCHING OPERATIONS. DETAILS OF THE CONTRACTORS OCCUPATIONAL HEALTH & SAFETY PROCEDURES MUST BE LODGED WITH THE 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 AS1798-2007, 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 EDM701.
- PRAM CROSSINGS ARE TO BE CONSTRUCTED WHERE FOOTPATHS CONNECT TO THE BACK OF KERB & CHANNEL. REFER GAA STD DWG EDM703.
- 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 ERRECTED TO CURRENT CITY OF CASEY STANDARDS INCLUDING LOGO, COURT STREET NAMES ARE TO SHOW COURT NAME ONLY.

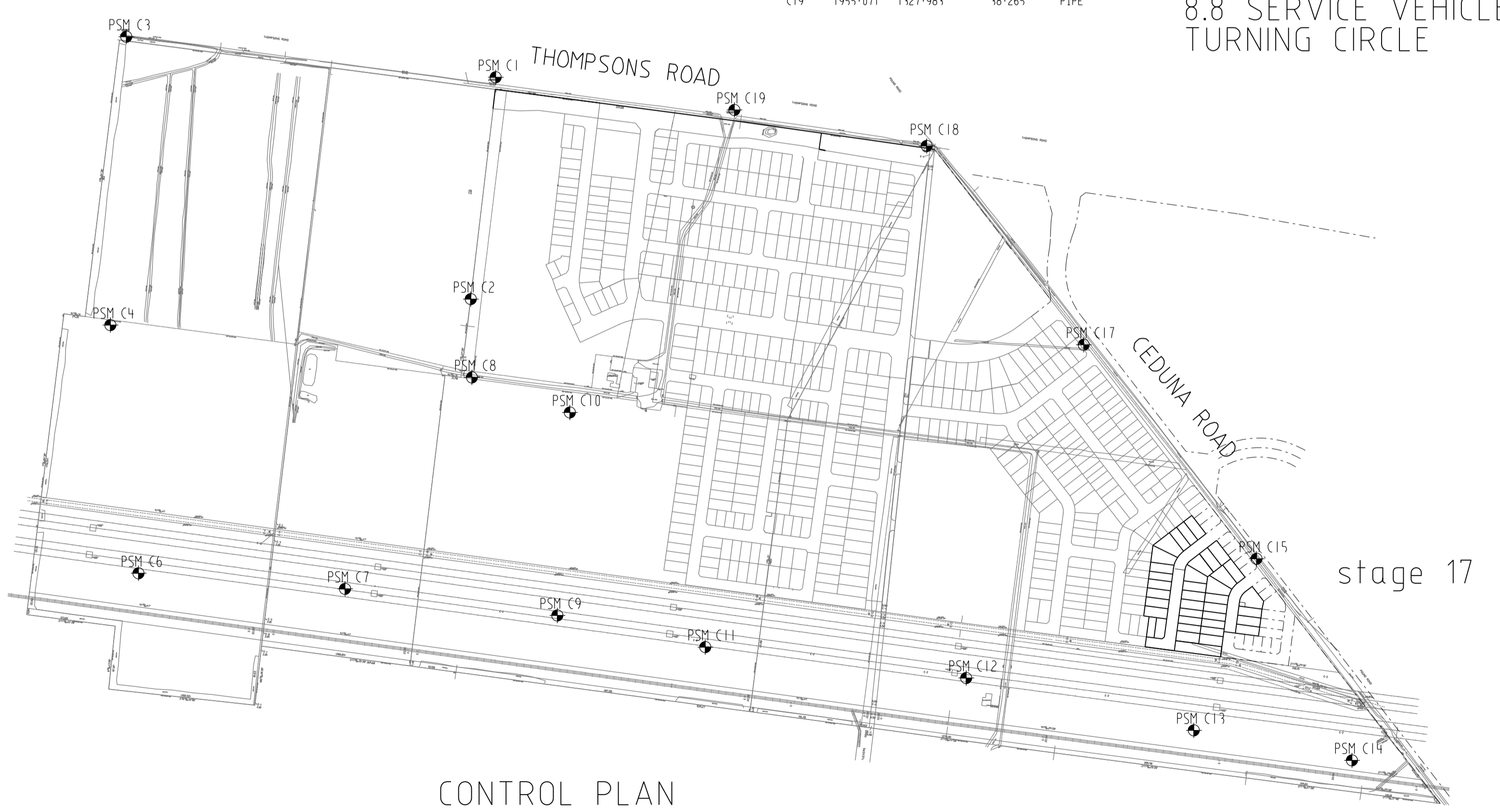
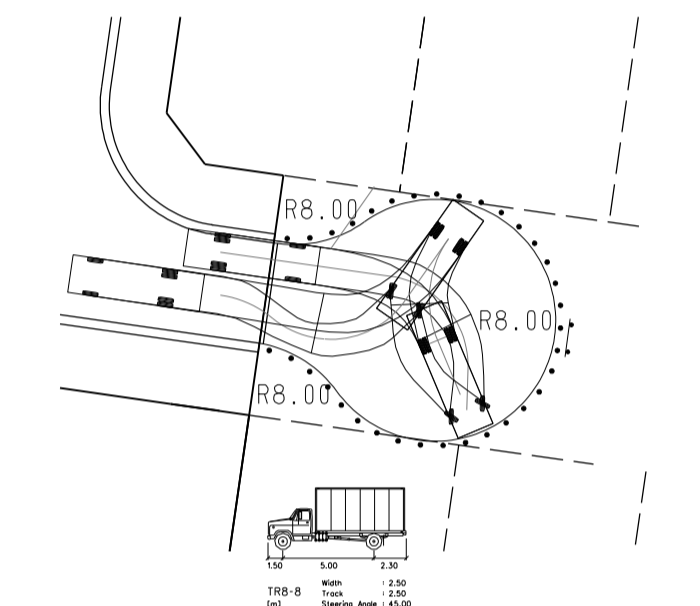
- TRAFFIC CONTROL SIGNS, MARKINGS & DELINEATORS TO BE INSTALLED IN ACCORDANCE WITH AS1742.2. ALL LINE MARKING IS TO BE LONG LIFE ROAD MARKING, WITH LONGITUDINAL LINES IN THERMOPLASTIC & TRANSVERSE MARKINGS IN COLD APPLIED.
- ALL DRIVEWAYS ARE TO BE OFFSET 0.75m FROM SIDE BOUNDARIES AND EASEMENTS UNLESS 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 - CEDUNA ROAD (2), SCENERY DRIVE
  - 30mm COMPACTED DEPTH 10mm NOMINAL SIZE TYPE N ASPHALT WITH C170 BINDER
  - 35mm COMPACTED DEPTH 14mm NOMINAL SIZE TYPE N ASPHALT WITH C170 BINDER
  - PRIME & SEAL (SIZE 7) OR PRIMERSEAL (SIZE 7) BOTH EMULSION SEALS
  - 125mm COMPACTED DEPTH 20mm NOMINAL SIZE CLASS 2 FINE CRUSHED ROCK
  - 170mm COMPACTED DEPTH 40mm NOMINAL SIZE CLASS 3 FINE CRUSHED ROCK
  - 150mm COMPACTED DEPTH SELECT GRANULAR MATERIAL WITH A MINIMUM SOAKED CBR OF 10%
 DEPTH 510mm  
 PAVEMENT TO CONSIST OF: ACCESS STREET - CEDUNA ROAD (1)
  - 40mm COMPACTED DEPTH 14mm NOMINAL SIZE TYPE N ASPHALT WITH C320 BINDER
  - 75mm COMPACTED DEPTH 20mm NOMINAL SIZE TYPE S1 ASPHALT WITH C320 BINDER
  - 75mm COMPACTED DEPTH 20mm NOMINAL SIZE TYPE SF ASPHALT WITH C320 BINDER
  - 100mm COMPACTED DEPTH 20mm NOMINAL SIZE CLASS 2 CRUSHED ROCK
  - 100mm COMPACTED DEPTH 40mm NOMINAL SIZE CLASS 3 CRUSHED ROCK
  - 150mm COMPACTED DEPTH SELECT GRANULAR MATERIAL WITH A MINIMUM SOAKED CBR OF 10%
 DEPTH 540mm  
 PAVEMENT NOT TO BE FOUNDED ON CLAYEY SILT OR UNCONTROLLED FILL MATERIAL SUBGRADE. PAVEMENT TO BE AS PER SPECIFICATIONS OF 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 SUELL OF LESS THAN 1.5%. A LIQUID LIMIT OF LESS THAN 50%, A PLASTICITY INDEX (PI) OF LESS THAN 25% AND A PI x % LESS THAN 0.425mm OF LESS THAN 1200. THIS MATERIAL SHOULD ALSO HAVE A HYDRAULIC CONDUCTIVITY OF LESS THAN 1 x 10<sup>-9</sup> m/s MEASURED AT OMC PLUS OR MINUS 5% AND COMPACTED TO A STANDARD DRY DENSITY RATIO OF 98% PLUS OR MINUS 1%. THIS LAYER SHOULD BE A MINIMUM OF 150mm THICK OR AT LEAST 2.5 TIMES THE MAXIMUM PARTICLE SIZE IN THE LAYER. THE MATERIAL USED MUST MEET THE REQUIREMENTS OF BOTH THE SUPERINTENDANT AND THE RELEVANT COUNCIL.  
 'SELECT GRANULAR MATERIAL' IS TO EXTEND TO A DISTANCE OF AT LEAST 1.0m BEHIND THE BACK OF KERB.  
 IN THE EVENT THAT SELECT GRANULAR MATERIAL CAN NOT ACHIEVE A CBR OF 10% IN SITU STABILISATION IS REQUIRED TO ACHIVE 10% C.B.R. TO A MINIMUM DEPTH OF 300mm FOR ALL ROAD PAVEMENTS.  
 SPEED HUMP INFILLS SHOWN THUS  TO CONSIST OF:
  - 200mm THICK 32MPa CHARCOAL COLOURED CONCRETE IN GREY CEMENT WITH 6% BLACK OXIDE COLOUR TO BE ADDED TO AGGREGATE PRIOR TO POURING CONCRETE SL72 MESH PLACED CENTRALLY.
  - 100mm THICK COMPACTED FCR BEDDING OR TO ROAD BASE COURSE
- MODIFICATION OF THE PAVEMENT REQUIRES APPROVAL BY THE CITY OF CASEY WORKS SUPERVISOR.
- EXISTING DAM OR WATERCOURSES TO BE EXCAVATED TO A FIRM BASE AND BACKFILLED AS SPECIFIED. DEVELOPER'S CONSULTANT TO BE NOTIFIED WHEN THE DAM OR WATERCOURSES ARE EXCAVATED TO A FIRM BASE. NO FILLING IS TO BE PLACED PRIOR TO DAMS BEING INSPECTED AND LEVELS TAKEN. BACKFILLING IS TO BE CARRIED OUT TO THE SATISFACTION OF THE COUNCIL SUPERVISING ENGINEER.
- THE CONTRACTOR MUST COMPLETE A LEVEL CHECK BETWEEN ALL TBM'S TO VERIFY LEVEL VALUES BEFORE COMMENCEMENT OF WORKS. ALL TBM,s AND CONTROL POINTS ARE TO BE MAINTAINED AND PROTECTED AT ALL TIMES DURING CONSTRUCTION. SHOULD ANY MARKS BE DISTURBED, THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE DEVELOPER'S CONSULTANT TO ARRANGE RE-INSTATEMENT AT THE CONTRACTORS EXPENSE.
- PRIOR TO COMMENCEMENT OF WORKS, THE CONTRACTOR MUST SUBMIT A SMP TO THE DEVELOPER'S CONSULTANT FOR APPROVAL. THE CONTRACTOR MUST COMPLY WITH THE RECOMMENDATIONS OF THE ENVIRONMENT PROTECTION AUTHORITY PUBLICATION No.275 "CONSTRUCTION TECHNIQUES FOR SEDIMENT POLLUTION CONTROL" AND MW SITE ENVIRONMENTAL MANAGEMENT POLICY 3.8.2. APPROPRIATE SILTATION CONTROL IS TO BE MAINTAINED THROUGHOUT THE CONSTRUCTION AND MAINTENANCE PERIOD OF THE WORKS.
- PROVIDE PAINTED PALING FENCE ALONG ANY BOUNDARY COMMON TO LOTS & MUNICIPAL RESERVES AS PER CASEY COUNCIL STD DWG S-706. PALINGS TO BE ON THE RESERVE SIDE.
- PROVIDE TEMPORARY SAFETY BARRIER FENCE (FARM FENCE AS PER MW STD DWG 7251/4/203) ALONG EXTENT OF OUTFALL DRAIN WHERE THE DRAIN IS GREATER THAN 1.5m IN DEPTH AND SIDE SLOPES ARE STEEPER THAN 1 IN 3. SAFETY FENCE TO REMAIN UNTIL PERMANENT UNDERGROUND DRAINAGE IS INSTALLED.
- A TEMPORARY FENCE SHALL BE ERRECTED AND MAINTAINED AROUND EXISTING TREES. NOMINATED TO BE RETAINED. AT ALL TIMES DURING CONSTRUCTION. FOR FENCING DETAILS AND CONSTRUCTION WORKS WITHIN THE "TREE PROTECTION ZONE" REFER TO THE ARBORICULTURAL INSPECTION REPORT BY A & R TREE SURGEONS (18th MARCH 2003).
- CONTRACTOR TO REMOVE EXISTING IRRIGATION AND DRAINAGE PIPES AND PITS ENCOUNTERED ON SITE. TRENCHES TO BE BACKFILLED IN ACCORDANCE WITH NOTES 16 & 17.




44. TACTILE GROUND SURFACE INDICATORS (TGS1) ARE TO BE INSTALLED AT ALL PRAM CROSSINGS AND PEDESTRIAN CROSS POINTS.REFER GAA STD DWG EDM403.
45. MAXIMUM CROSSFALL ON FOOTPATHS TO BE 1in50 (30mm FOR 1.50m PATH)
46. AS CONSTRUCTED PLANS AND ELECTRONIC ASSET INFORMATION IN D-SPEC AND R-SPEC FORMAT MUST BE SUBMITTED TO COUNCIL PRIOR TO PRACTICAL COMPLETION
47. A CCTV REPORT MUST BE PROVIDED FOR ALL DRAINAGE LINES PRIOR TO ISSUE OF PRACTICAL COMPLETION
48. THE CROSSOVERS MUST BE PROVIDED A MINIMUM OF 3.50m WIDTH AND MAXIMUM GRADE OF 1in10
49. TEMPORARY CRUSHED ROCK TURN AROUND AREAS MUST BE MAINTAINED IN A SAFE AND SOUND CONDITION SO THAT VEHICLES ARE ABLE TO USE THEM AT ALL TIMES



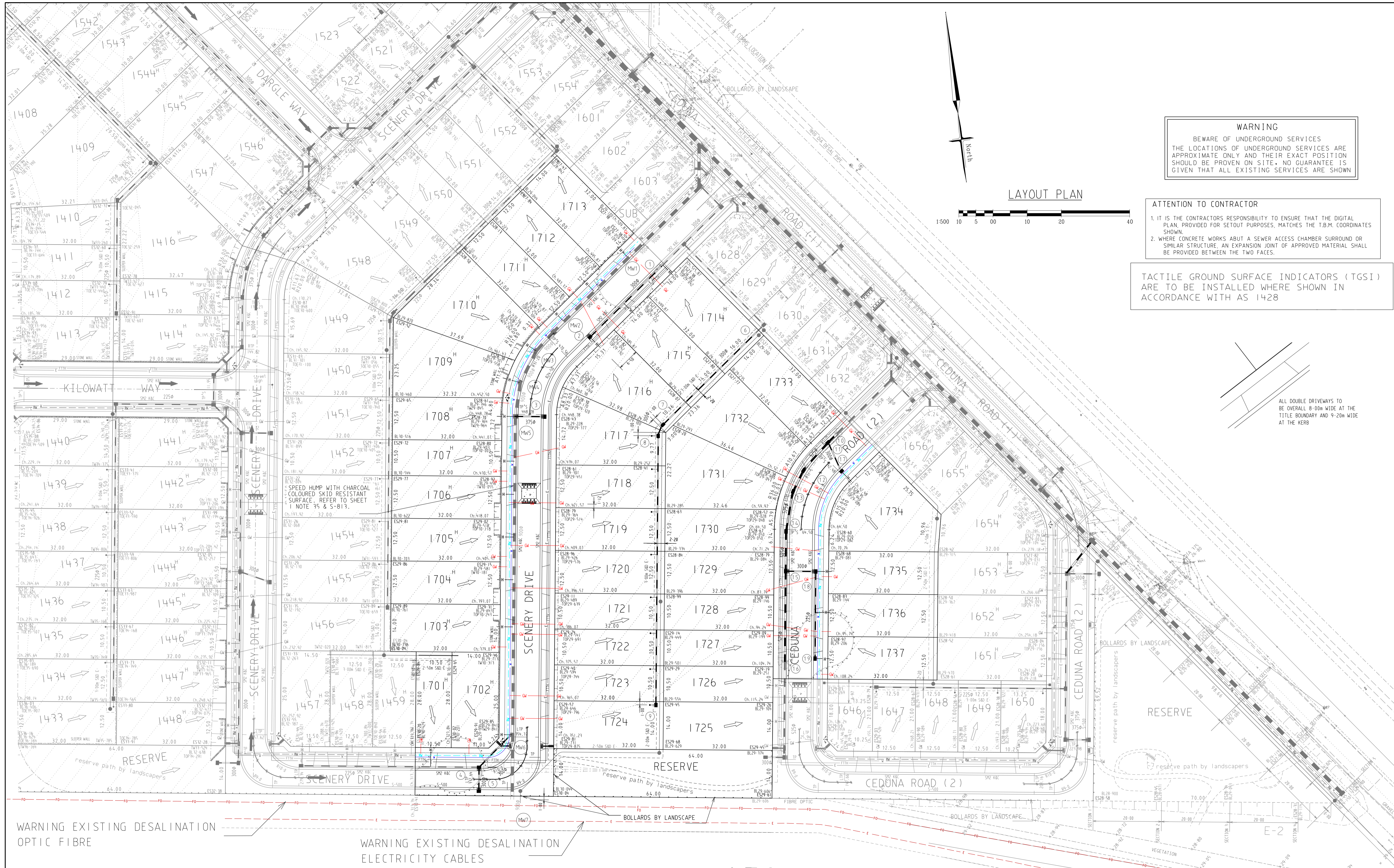
PSM No.	LOCAL GRID		R-L	DESCRIPTION
	NORTH	EAST		
C1	2000-000	1000-000	28-899	STAR PICKET
C2	1695-257	965-780	36-446	PEG
C3	2055-694	492-480	25-556	PIPE
C4	1659-550	470-607	26-964	PIPE
C6	1318-521	509-245	32-487	PIPE
C7	1297-165	793-017	32-267	PIPE
C8	1587-675	967-320	34-826	PIPE
C9	1260-619	1084-717	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	31-577	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



 <b>breese pitt dixon pty. ltd.</b> land surveyors      civil engineers		1/19 colto 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> <b>STAGE 17</b>							
AMENDMENTS E 12.07.19 SHEET INDEX AMENDED D 28.06.19 DRAIN EXTENT AMENDED C 22.05.19 PLAN OF SUBDIVISION AMENDED B 15.03.19 STAGE 16 SPLIT 16/17 A 8.02.19 CONSTRUCTION ISSUE		MUNICIPALITY <b>CASEY</b> REFERENCE <b>8129 E/17</b>							
VER	DATE	REMARKS	CHECKED	SCALE AS SHOWN	DATUM AHD	DATE	AUG. 18	SHEET 1 OF 11	E

SHEET INDEX

SHT No.	VER	DESCRIPTION
1	E	FACE SHEET
2	E	LAYOUT PLAN
3	D	TYPICAL CROSS SECTIONS, RETAINING WALL DETAILS, PAVEMENT DETAILS
4	E	INTERSECTION DETAILS
5	D	SCENERY DRIVE LONGITUDINAL SECTION
6	D	SCENERY DRIVE CROSS SECTIONS
7	D	SCENERY DRIVE CROSS SECTIONS
8	D	CEDUNA ROAD 2 LONGITUDINAL SECTION
9	D	CEDUNA ROAD 2 CROSS SECTIONS
10	D	STORMWATER DRAINAGE LONGITUDINAL SECTIONS AND PIT SCHEDULE
11	D	SIGNAGE AND LINE MARKING PLAN
		MELBOURNE WATER MAIN DRAIN DRAWINGS
1	D	LOCALITY PLAN, NOTES, STRUCTURE SCHEDULE
2	D	DETAIL PLAN
3	D	LONGITUDINAL SECTION



**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

ALL DOUBLE DRIVEWAYS TO BE OVERALL 8.0m WIDE AT THE TITLE BOUNDARY AND 9.2m WIDE AT THE KERB

WARNING EXISTING DESALINATION OPTIC FIBRE

WARNING EXISTING DESALINATION ELECTRICITY CABLES

**SERVICES OFFSETS AND LOCATIONS**

STREET NAME	Rd. RESERVE	DW	NDW	GAS	ELECTRICITY CABLES	POLES	FIBRE TO THE HOME	Bk. of KERB	JOINT TRENCHING
SCENERY DRIVE (LOTS 1703-1713)	16.00	3.05 W	2.55 W	2.10 W	2.25 E	0.90 BOX	TBC	1.95 E 1.78 W	3.90 E 4.20 W
SCENERY DRIVE (LOTS 1701-1702)	14.00	2.80 N	2.30 N	1.85 N	4.20 N	0.90 BOX	3.50 N 3.50 S	1.10 N 1.80 S	E, T, G, W
CEDUNA ROAD 2 (LOTS 1727-1733)	16.00	3.05 E	2.55 E	2.10 E	2.20 W	0.90 BOX	1.95 W	1.95 W 1.78 E	3.90 W 4.20 E

**SYMBOL LEGEND**

Drains Sewer <300 Sewer >300		Ex/Natural/FS Level FS @ Building Line	
Water House Drain Property Inlet Street Sign PSM		Top/Toe of Batter Top Ret. Wall Level 100yr Flood Level	
Retaining Wall Conduits 50mm Conduits 100mm Ex Gas/Elect/Tel		Fill Prop/Ex>200mm Cut Prop/Ex>200mm	

VER	DATE	REMARKS	CHECKED
E	12.07.19	EASEMENTS AMENDED NEAR RESERVE AND REAR 1701	
D	28.06.19	DRAIN EXTENT AMENDED	
C	22.05.19	PLAN OF SUBDIVISION AMENDED	
B	15.03.19	STAGE 16 SPLIT 16/17	
A	8.02.19	CONSTRUCTION ISSUE	

**brees 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**

**SURVEY B.P.D.**

**DESIGN RK**

**DRAWN RK**

**SCALE AS SHOWN**

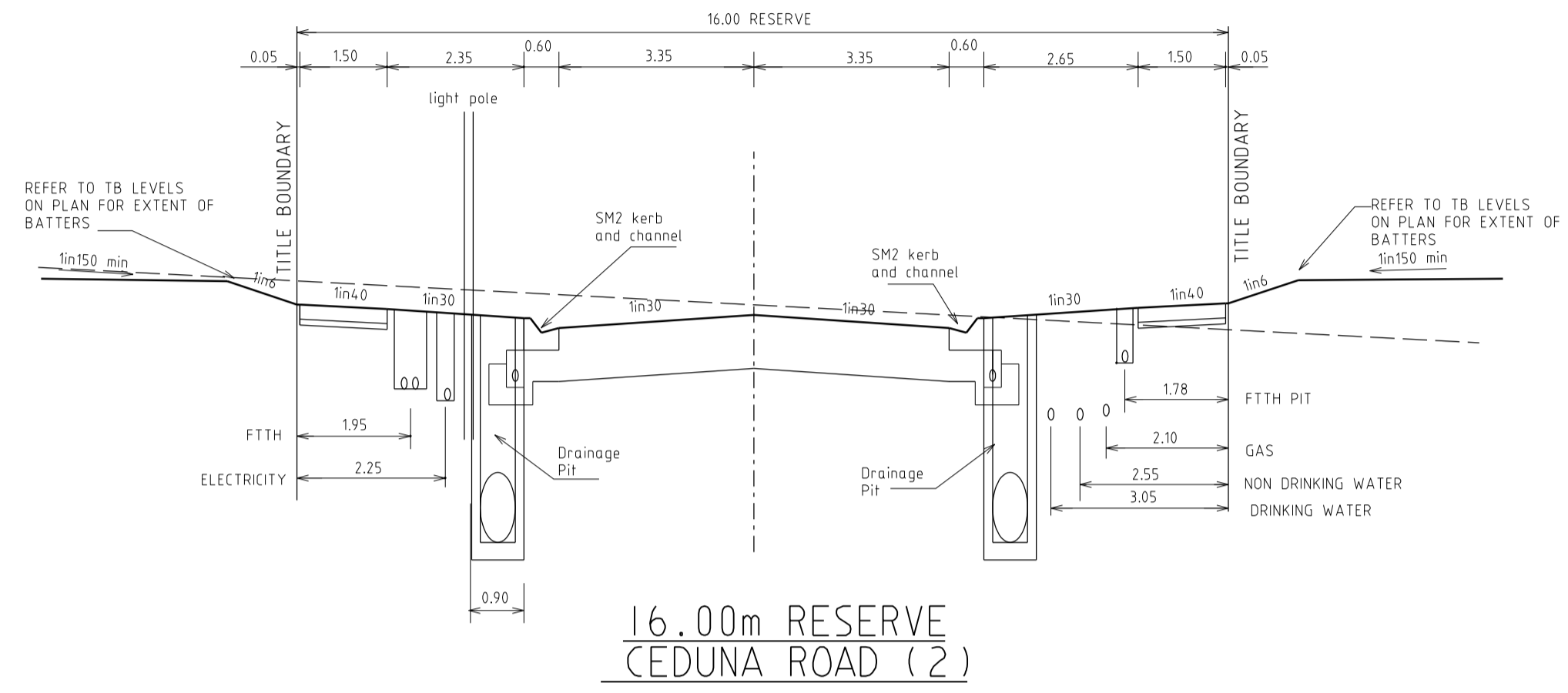
**DATUM AHD**

**DATE AUG. 18**

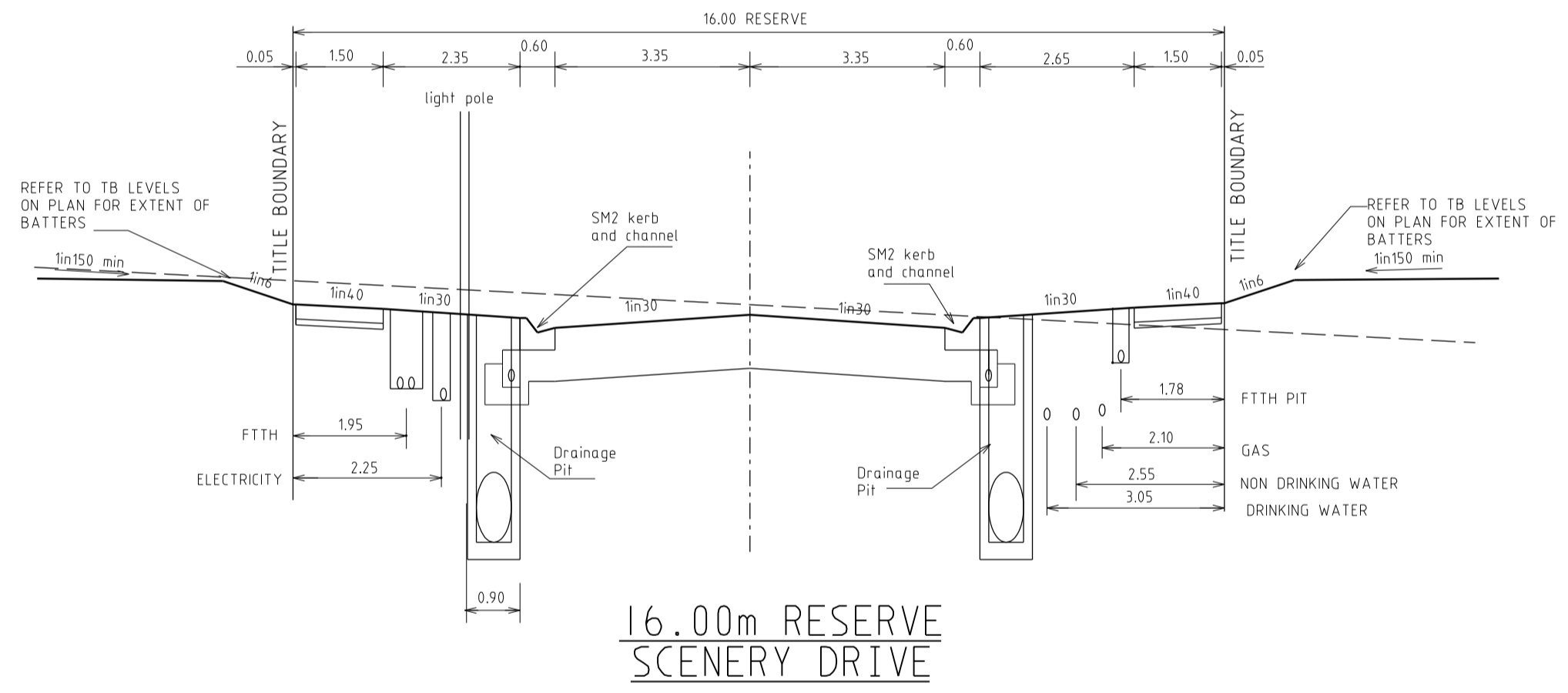
**SHEET 2 OF 11**

**MUNICIPALITY CASEY**

**REFERENCE 8129 E/17**

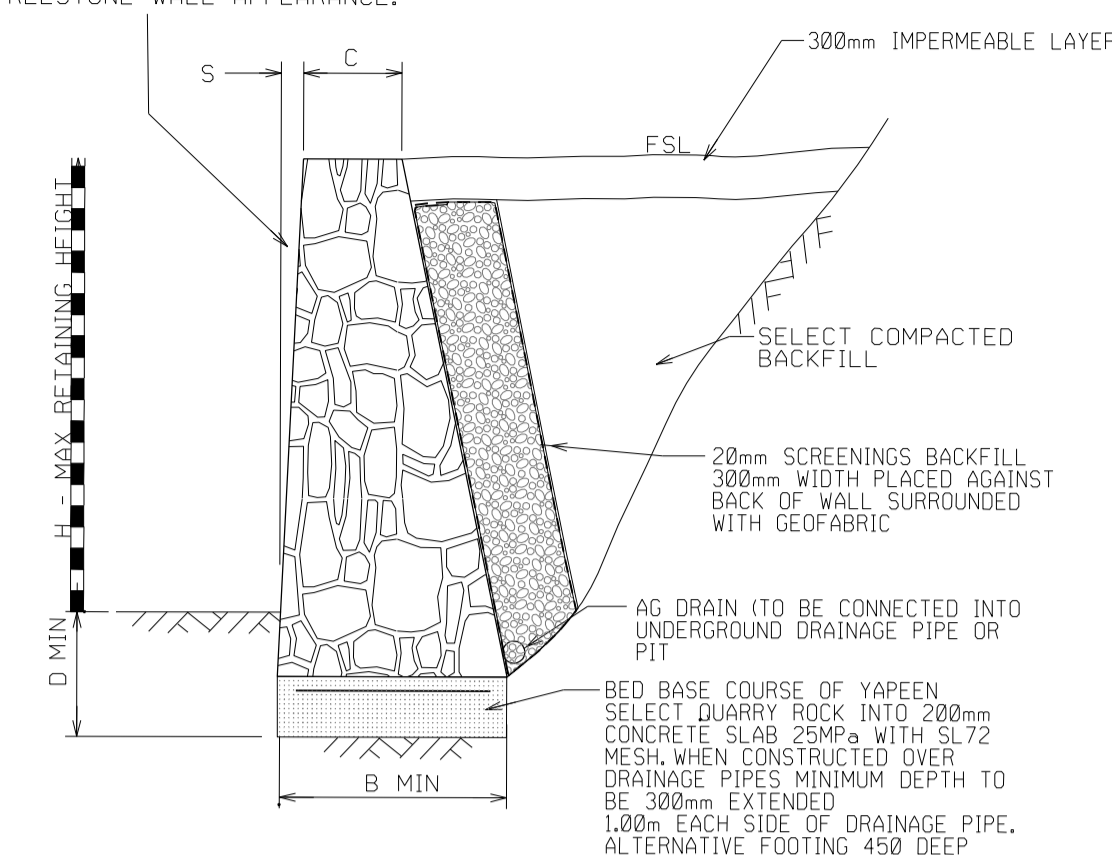


16.00m RESERVE  
CEDUNA ROAD (2)



16.00m RESERVE  
SCENERY DRIVE

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



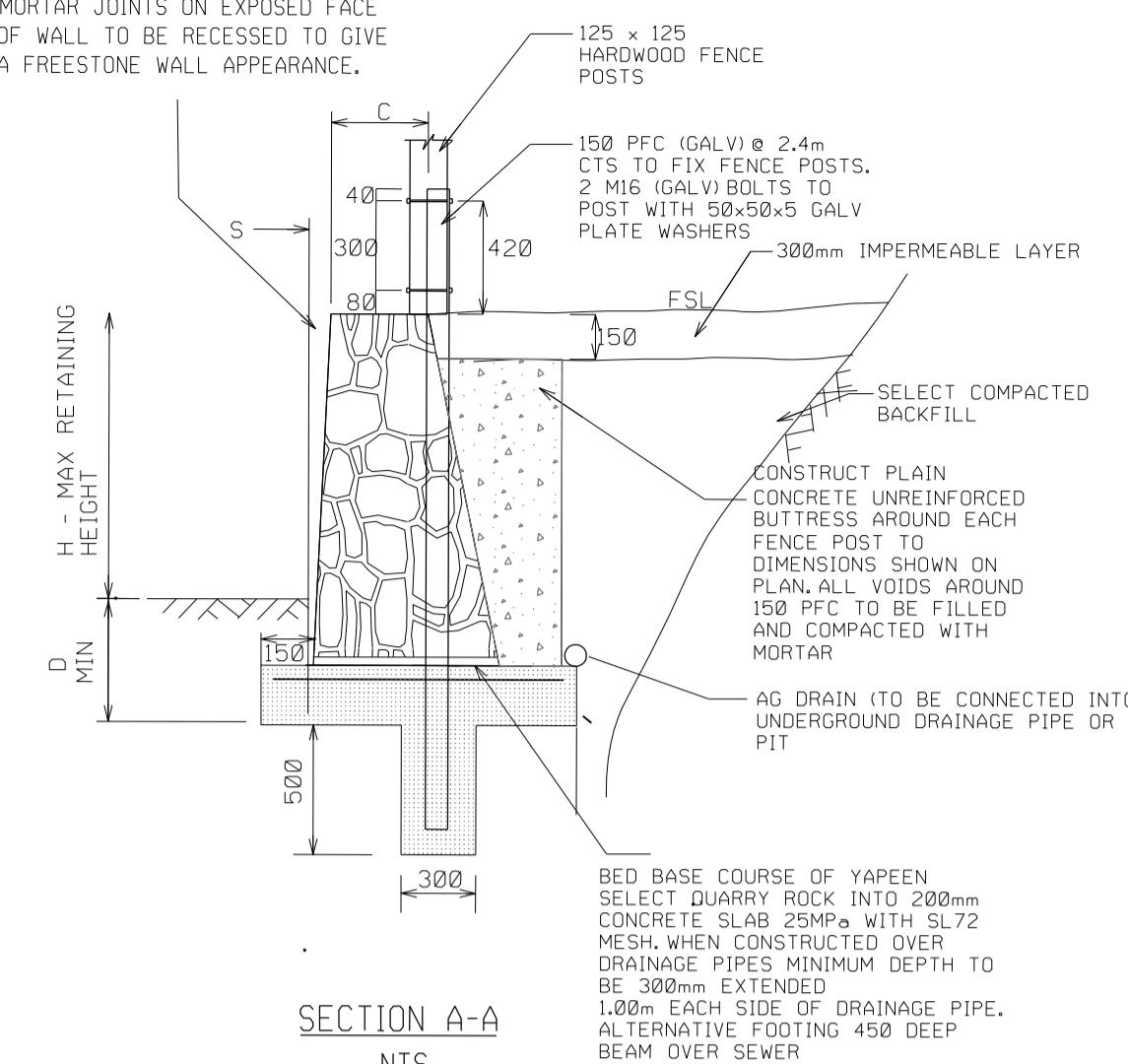
MASS ROCK RETAINING  
WALL DETAIL (TYPE RR)

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

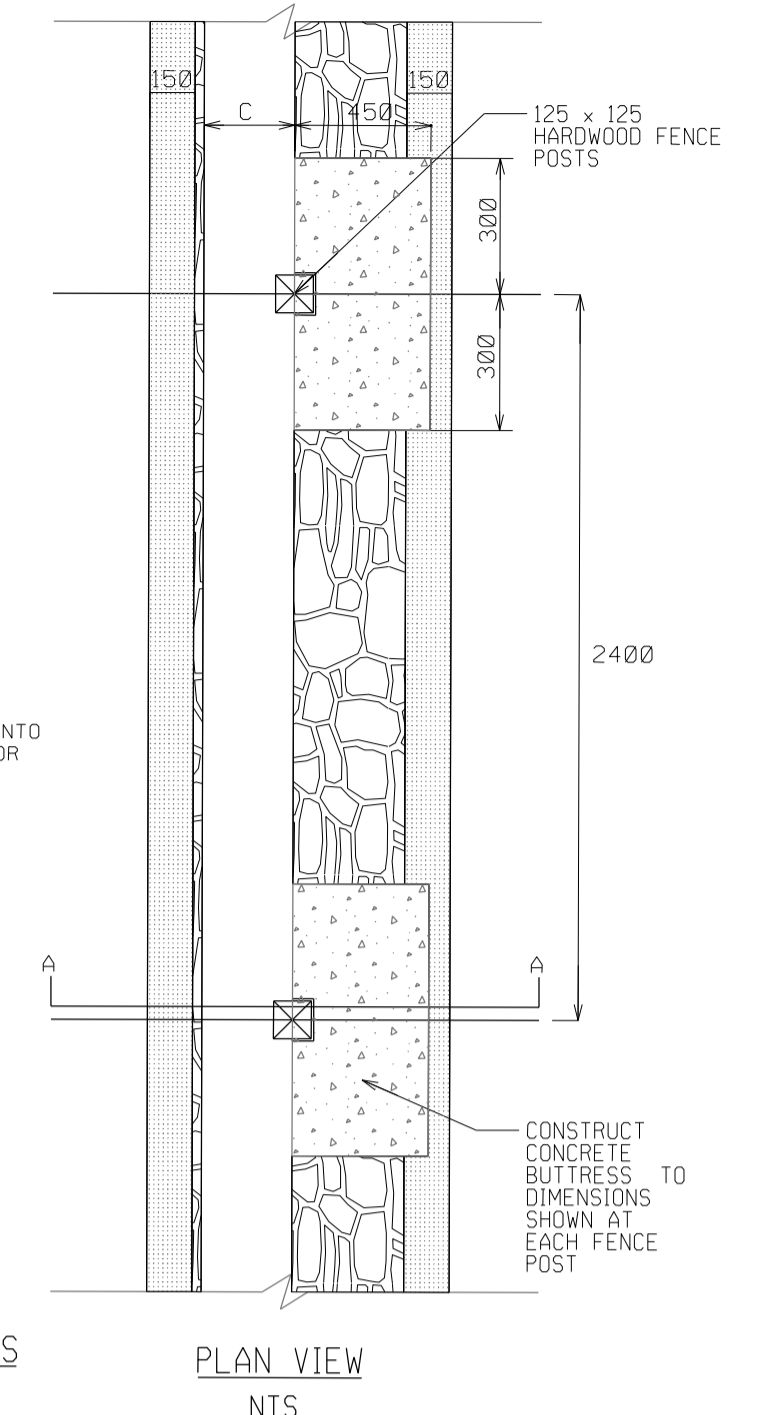
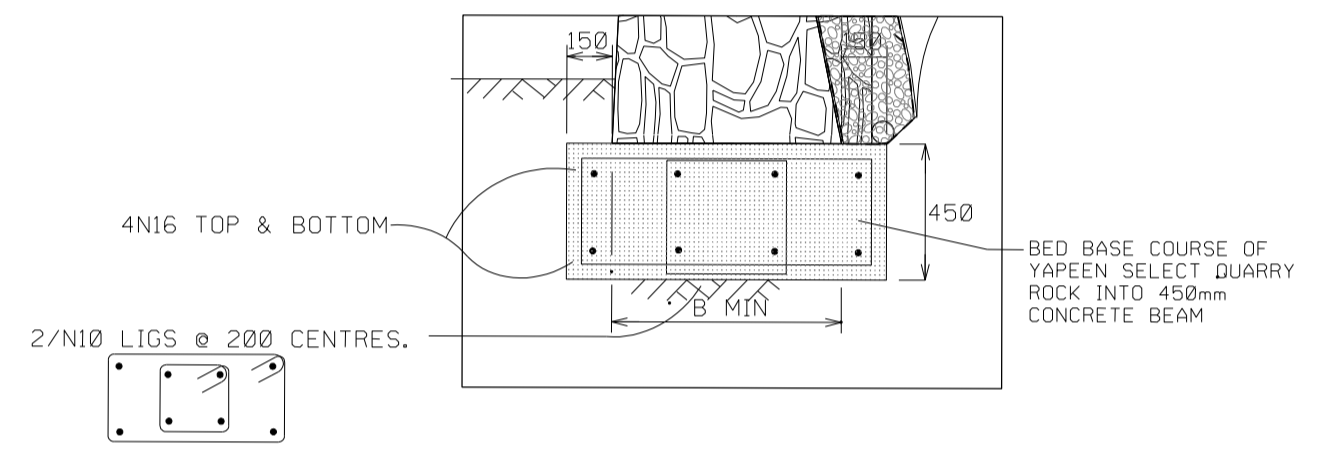
- RETAINING WALL NOTE R.1.  
a. WHERE FOOTPATH ABUTS RETAINING WALL CONTINUE CONCRETE UP TO BASE OF RETAINING WALL.
- FOOTING NOTE F.2.  
a. TOE OF WALL SHALL PENETRATE THROUGH ANY FILL MATERIAL & THE NATURAL SILT SOILS TO BE FOUND AT LEAST 100mm INTO THIS UNDERLYING NATURAL STIFF CLAY OR WEATHERED ROCK. 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.  
b. ALL EXCAVATION FOUNDING 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 FOUND 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.

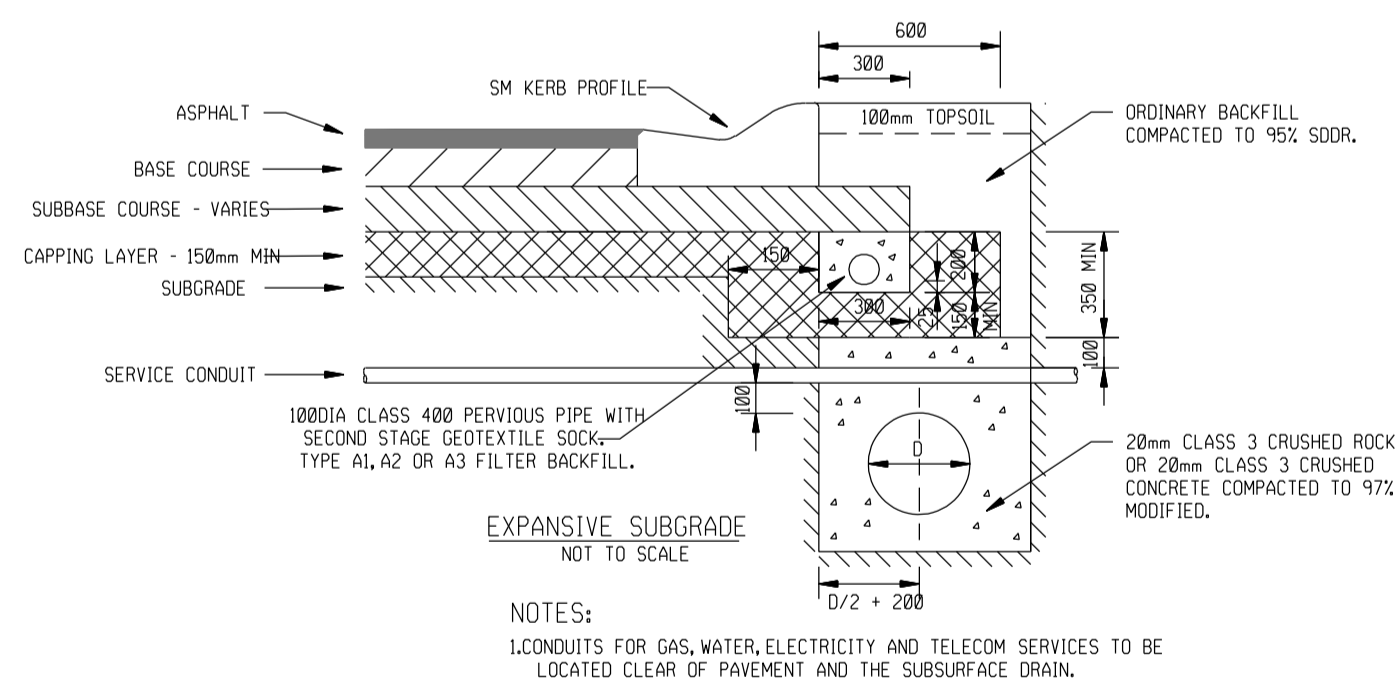


SECTION A-A  
MASS ROCK RETAINING WALL  
DETAIL WITH PALING TIMBER  
FENCE (TYPE RR)

RETAINING WALL FOOTING REQUIREMENTS FOR SEWER CROSSINGS



PLAN VIEW



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

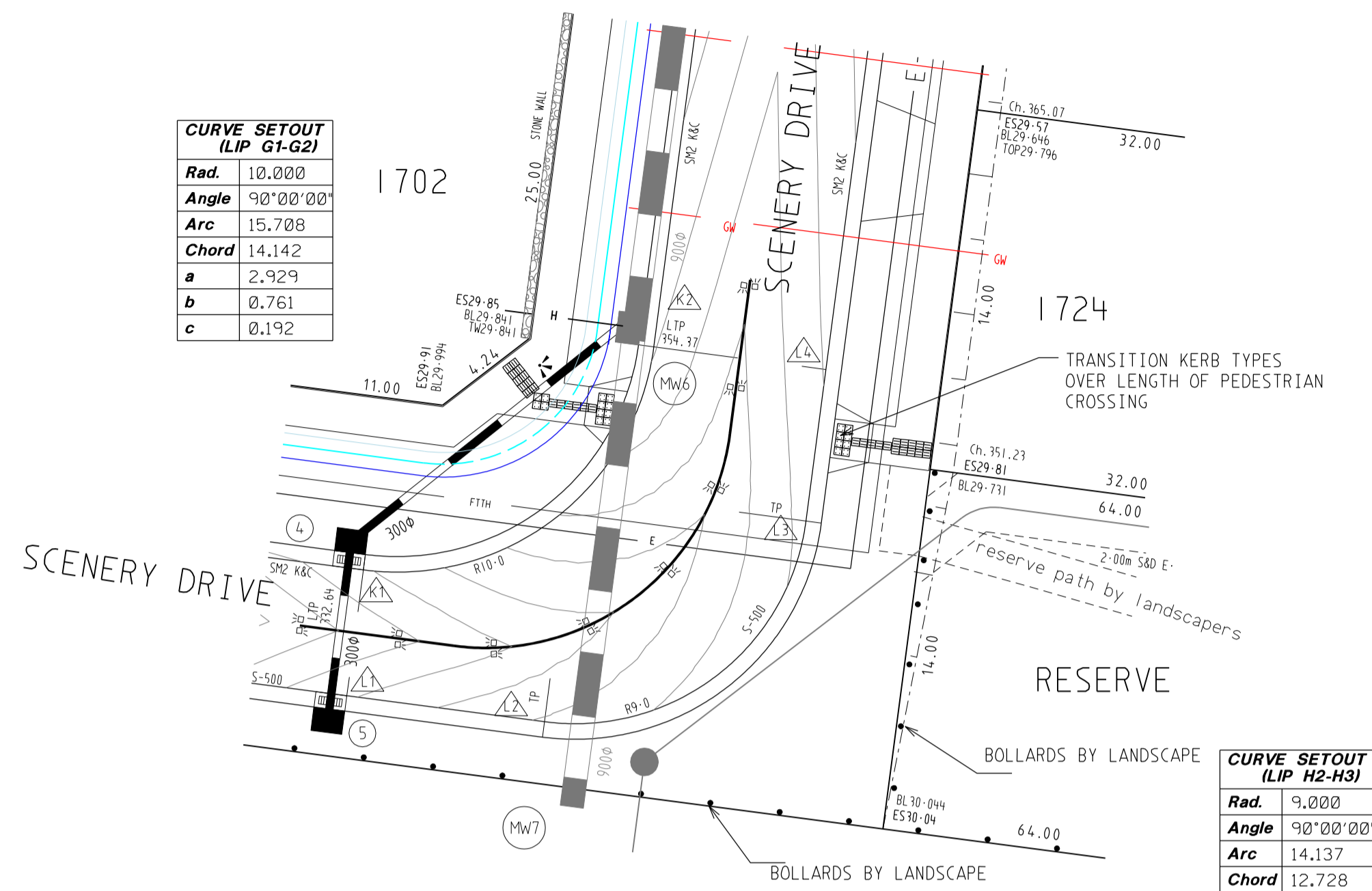
AMENDMENTS	DATE	REMARKS	CHECKED	SCALE	DATUM	AHD	DATE	SHEET	OF	MUNICIPALITY
D	28.06.19	DRAIN EXTENT AMENDED	MELWAY REF. 131-C-12	AS SHOWN	AHD	AUG. 18	3	11	0	CASEY
C	22.05.19	PLAN OF SUBDIVISION AMENDED	SURVEY B.P.D.							REFERENCE
B	15.03.19	STAGE 16 SPLIT 16/17	DESIGN RK							8129 E/17
A	8.02.19	CONSTRUCTION ISSUE	DRAWN RK							

breese pitt dixon pty. ltd.  
land surveyors civil engineers  
1/19 cato street hawthorn east, 3123  
telephone 8823 2300  
fax no. 8823 2310

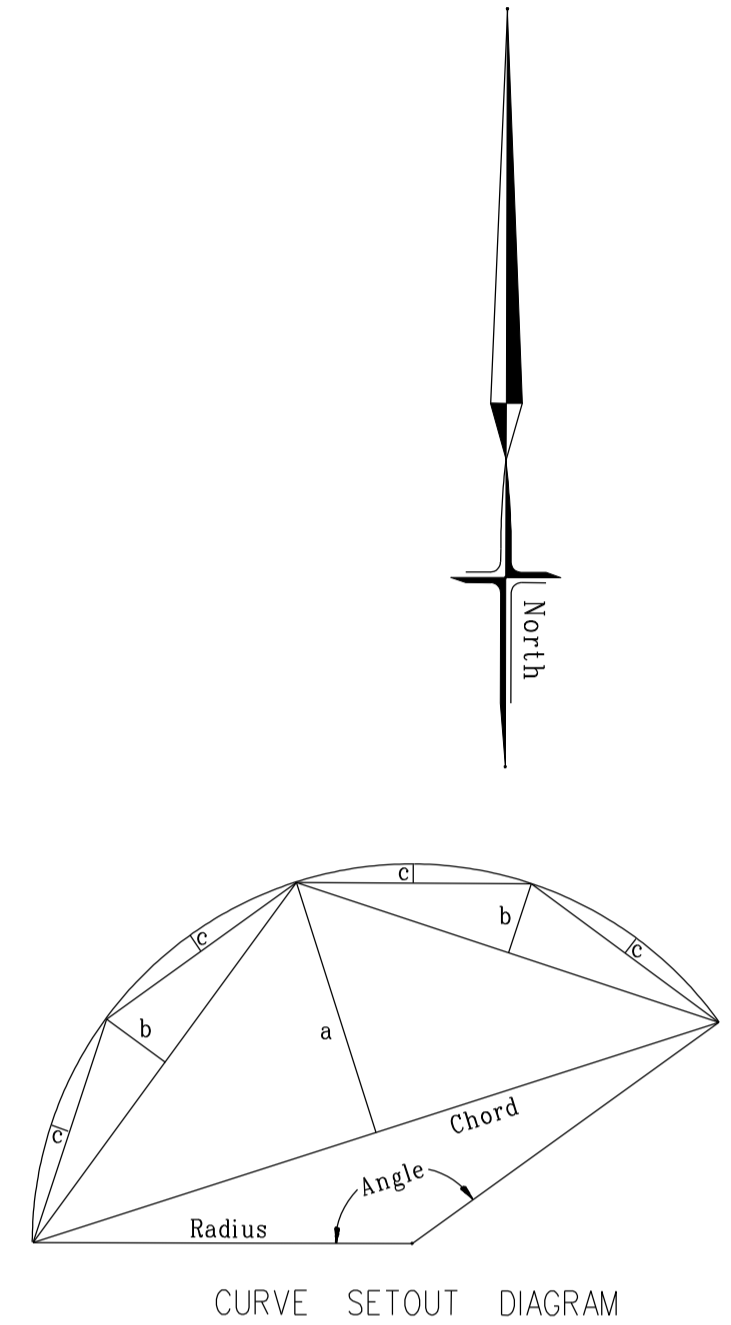
MERIDIAN ESTATE  
STAGE 17

8129 E/17

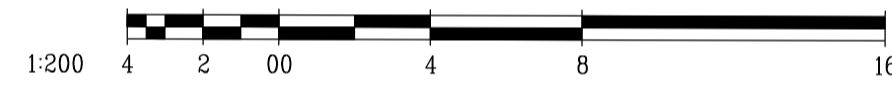
CURVE SETOUT (LIP G1-G2)	
Rad.	10.000
Angle	90°00'00"
Arc	15.708
Chord	14.142
a	2.929
b	0.761
c	0.192



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

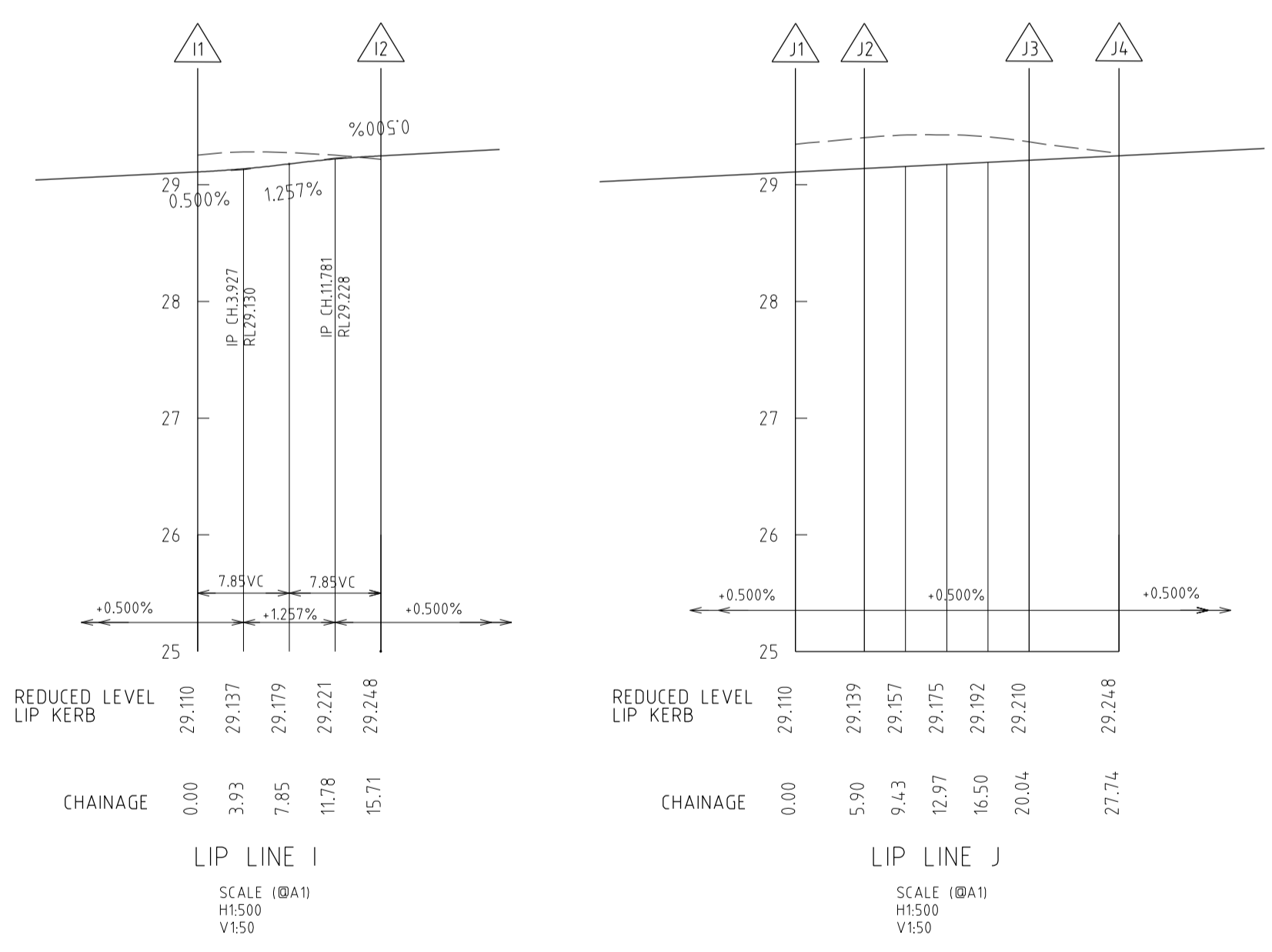


INTERSECTION DETAILS



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

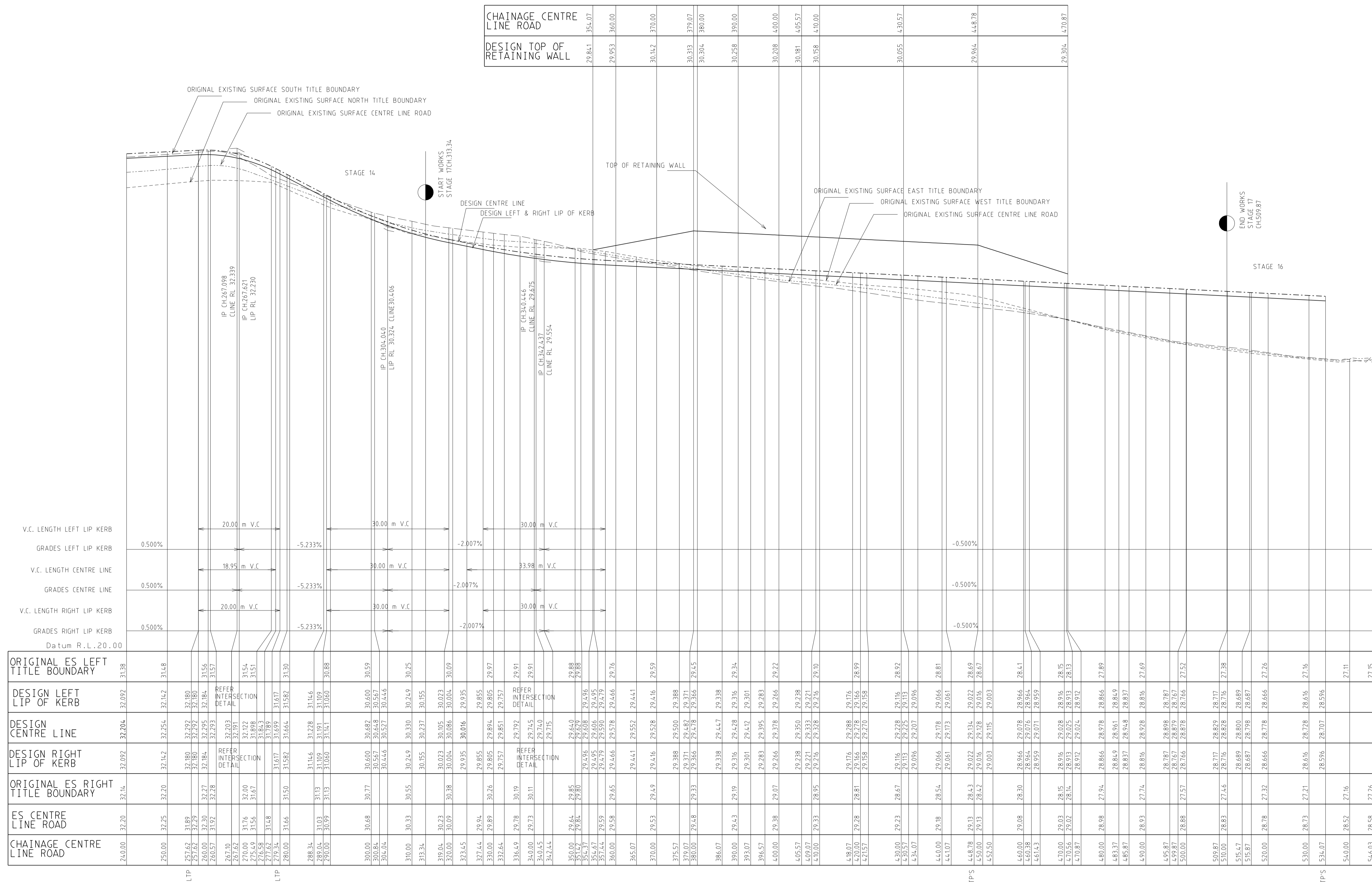
**ATTENTION TO CONTRACTOR**  
WHERE CONCRETE WORKS ABOUT A SEWER ACCESS CHAMBER SURROUND OR SIMILAR STRUCTURE AN EXPANSION JOINT OF APPROVED MATERIAL SHALL BE PROVIDED BETWEEN THE TWO FACES



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

AMENDMENTS	DATE	REMARKS	CHECKED
E	12.07.19	INTERSECTION DETAIL AMENDED	
D	28.06.19	DRAIN EXTENT AMENDED	
C	22.05.19	PLAN OF SUBDIVISION AMENDED	
B	15.03.19	STAGE 16 SPLIT 16/17	
A	8.02.19	CONSTRUCTION ISSUE	

	<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>MERIDIAN ESTATE</b> STAGE 17	MUNICIPALITY <b>CASEY</b> REFERENCE <b>8129 E/17</b>
SCALE AS SHOWN DATUM AHD DATE AUG. 18	SHEET 4 OF 11	E



CHAINAGE CENTRE LINE ROAD	DESIGN TOP OF RETAINING WALL
29.841	29.841
29.953	29.953
30.142	30.142
30.313	30.313
30.304	30.304
30.258	30.258
30.208	30.208
30.181	30.181
30.158	30.158
30.055	30.055
29.964	29.964
29.904	29.904

CHAINAGE CENTRE LINE ROAD	ES CENTRE LINE ROAD	ORIGINAL ES RIGHT TITLE BOUNDARY	DESIGN RIGHT LIP OF KERB	DESIGN CENTRE LINE	DESIGN LEFT LIP OF KERB	ORIGINAL ES LEFT TITLE BOUNDARY
240.00	32.20	32.14	32.092	32.204	32.092	31.38
250.00	32.25	32.20	32.142	32.254	32.142	31.48
257.62	31.89	32.180	32.292	32.292	32.180	
257.62	32.29	32.180	32.292	32.292	32.180	
260.00	32.30	32.27	32.184	32.295	32.184	
260.57	31.92	32.28	32.293	32.293	32.293	
267.10			32.203	32.203	32.203	
267.62			32.191	32.191	32.191	
270.00	31.76	32.00	32.022	32.022	32.022	
270.00	31.56	31.67	31.843	31.843	31.843	
276.58	31.58	31.67	31.889	31.889	31.889	
277.62	31.48	31.58	31.789	31.789	31.789	
279.34			31.617	31.659	31.617	
280.00	31.66	31.50	31.582	31.664	31.582	
285.34			31.146	31.228	31.146	
285.34	31.03	31.13	31.09	31.191	31.09	
285.00	30.97	31.13	31.060	31.141	31.060	
300.00	30.68	30.77	30.600	30.682	30.600	
300.84			30.567	30.648	30.567	
304.04			30.446	30.527	30.446	
310.00	30.33	30.55	30.249	30.330	30.249	
313.34			30.155	30.237	30.155	
319.04	30.23	30.023	30.023	30.105	30.023	
320.00	30.09	30.38	30.004	30.086	30.004	
323.45			29.935	30.016	29.935	
327.44	29.94	29.855	29.855	29.855	29.855	
330.00	29.89	30.26	29.805	29.894	29.805	
332.64			29.757	29.851	29.757	
336.49	29.78	30.19	29.792	29.792	29.792	
340.00	29.73	30.11	29.745	29.745	29.745	
340.45			29.740	29.740	29.740	
342.44			29.715	29.715	29.715	
350.00	29.64	29.85	29.640	29.640	29.640	
351.27	29.84	29.80	29.659	29.659	29.659	
352.27			29.608	29.608	29.608	
352.27			29.495	29.495	29.495	
357.44	29.59	29.478	29.478	29.478	29.478	
360.00	29.58	29.65	29.466	29.578	29.466	
365.07			29.441	29.552	29.441	
370.00	29.53	29.49	29.416	29.528	29.416	
375.57			29.388	29.500	29.388	
378.07			29.371	29.482	29.371	
380.00	29.48	28.33	29.366	29.478	29.366	
386.07			29.338	29.447	29.338	
390.00	29.43	29.19	29.316	29.428	29.316	
393.07			29.301	29.412	29.301	
396.57			29.283	29.395	29.283	
400.00	29.38	29.07	29.266	29.378	29.266	
405.57			29.238	29.350	29.238	
409.07			29.221	29.333	29.221	
410.00	29.33	28.95	29.216	29.316	29.216	
418.07			29.176	29.288	29.176	
420.00	29.28	28.81	29.166	29.278	29.166	
421.57			29.158	29.270	29.158	
430.00	29.23	28.67	29.116	29.228	29.116	
430.57			29.113	29.225	29.113	
434.07			29.096	29.207	29.096	
440.00	29.18	28.54	29.066	29.178	29.066	
441.07			29.061	29.173	29.061	
448.78	29.13	28.43	29.027	29.134	29.027	
450.00	29.13	28.42	29.016	29.128	29.016	
452.50			29.003	29.115	29.003	
460.00	29.08	28.30	28.966	29.078	28.966	
460.38			28.964	29.076	28.964	
461.53			28.959	29.071	28.959	
470.00	29.03	28.15	28.916	29.028	28.916	
470.56	29.02	28.14	28.913	29.025	28.913	
470.87			28.912	29.024	28.912	
480.00	28.98	27.94	28.866	28.978	28.866	
483.37			28.849	28.961	28.849	
485.87			28.837	28.948	28.837	
490.00	28.93	27.74	28.816	28.928	28.816	
495.87			28.807	28.898	28.807	
499.87			28.761	28.879	28.761	
500.00	28.88	27.57	28.766	28.878	28.766	
509.87			28.717	28.829	28.717	
510.00	28.83	27.46	28.716	28.828	28.716	
515.47			28.689	28.800	28.689	
515.87			28.687	28.798	28.687	
520.00	28.78	27.37	28.666	28.778	28.666	
530.00	28.73	27.21	28.616	28.728	28.616	
534.07			28.596	28.707	28.596	
540.00	28.52	27.16				
546.03	28.58	27.26				

SCENERY DRIVE LONGITUDINAL SECTION  
SCALE Hor. 1:500 Vert. 1:50

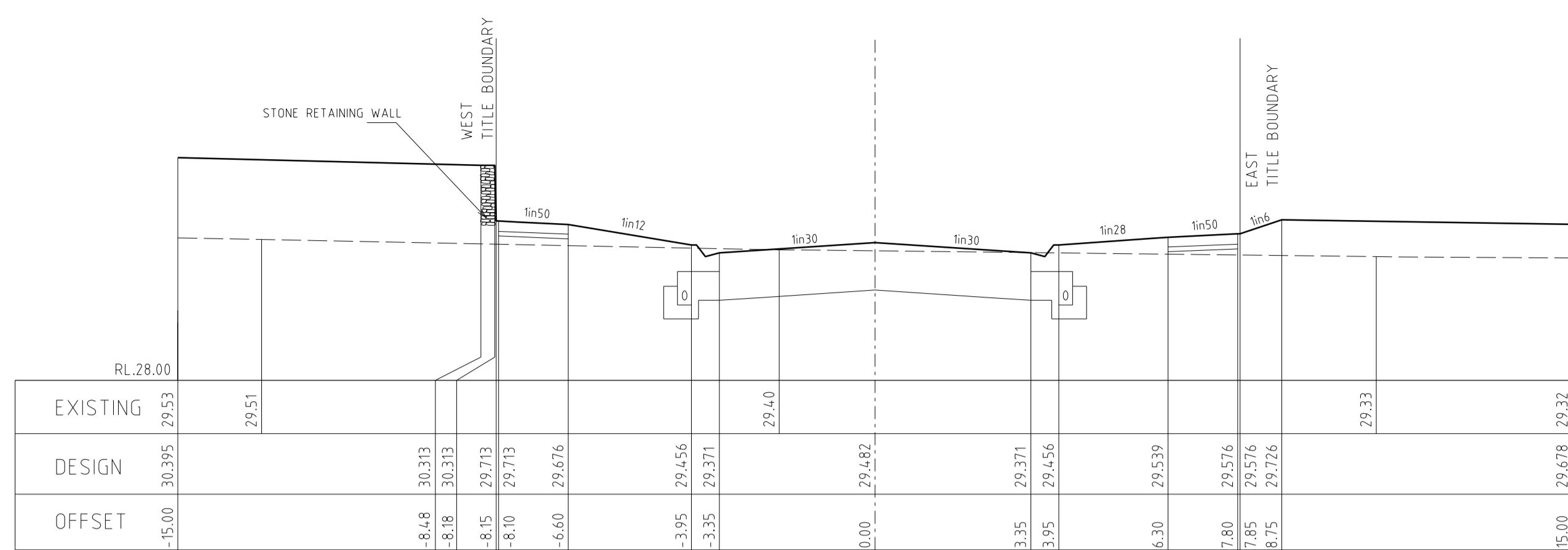
AMENDMENTS	DATE	REMARKS	CHECKED	SCALE	DATUM	DATE	AS SHOWN
D	28.06.19	DRAIN EXTENT AMENDED		MELWAY REF.	131-C-12		
C	22.05.19	PLAN OF SUBDIVISION AMENDED		SURVEY	B.P.D.		
B	15.03.19	STAGE 16 SPLIT 16/17		DESIGN	RK		
A	8.02.19	CONSTRUCTION ISSUE		DRAWN	RK		

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

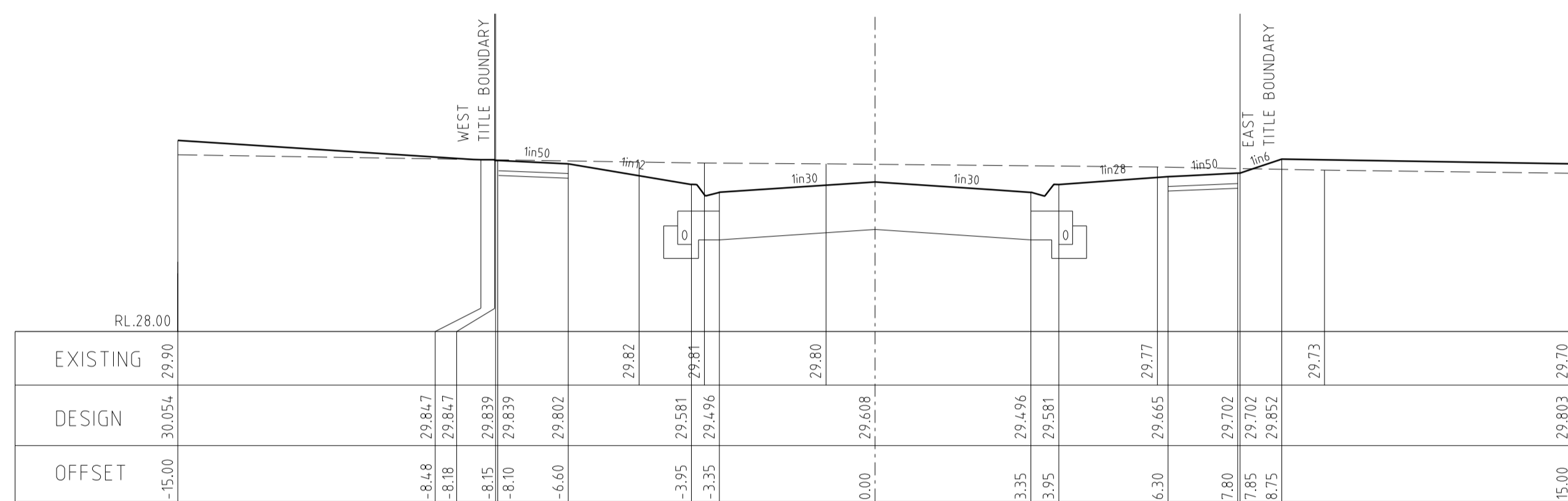
**MERIDIAN ESTATE**  
**STAGE 17**

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

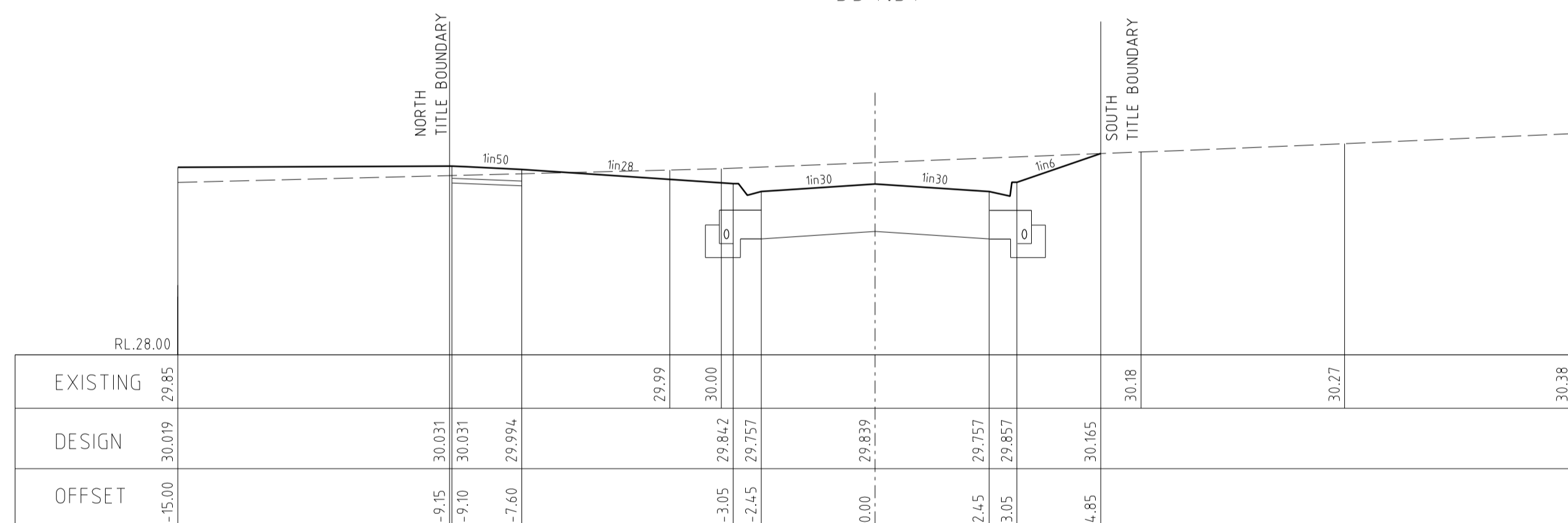
MUNICIPALITY	CASEY
REFERENCE	8129 E/17
SHEET	5 OF 11
DATE	AUG. 18



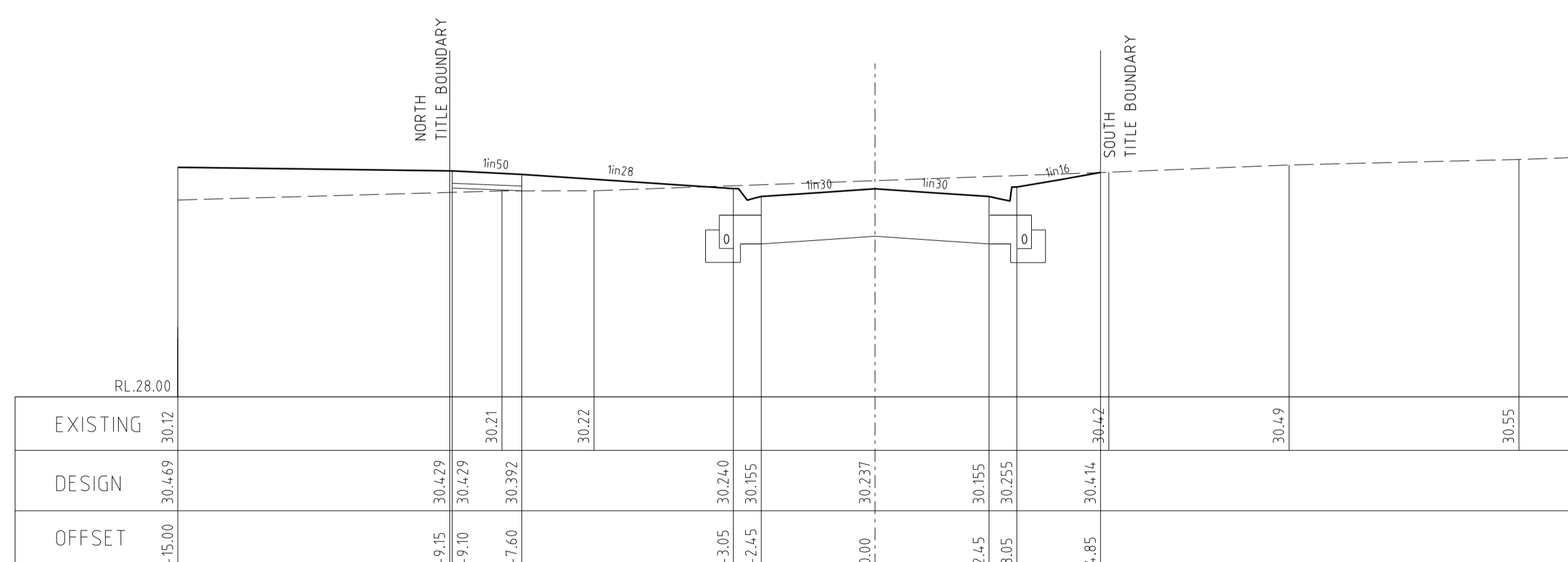
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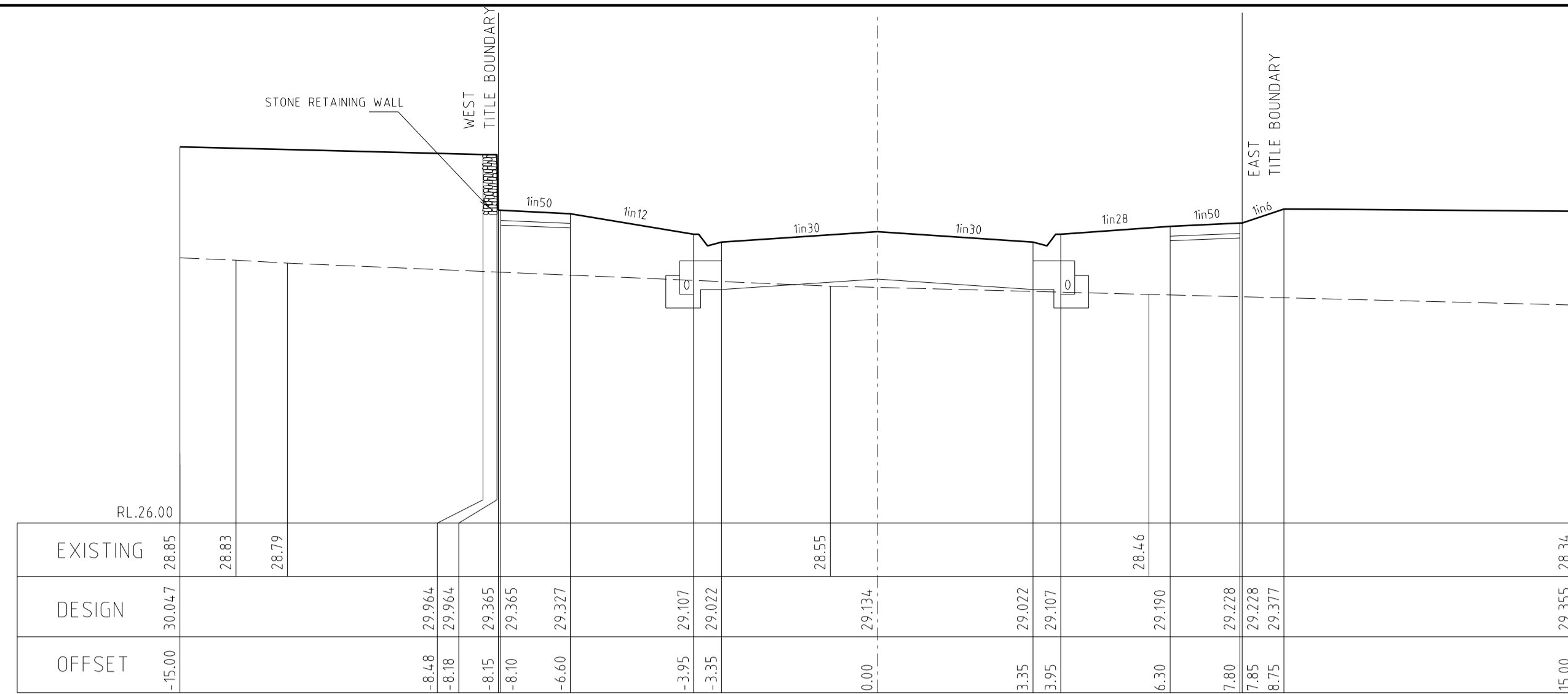
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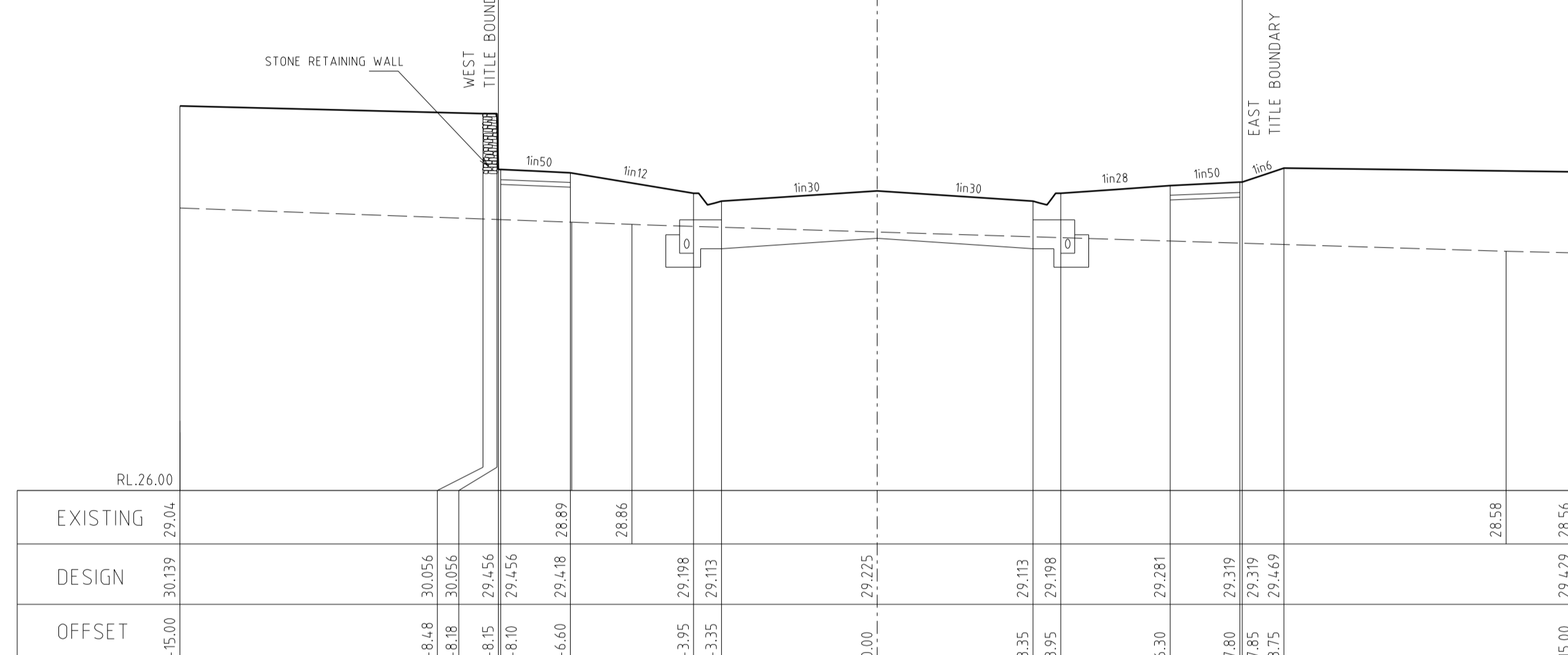
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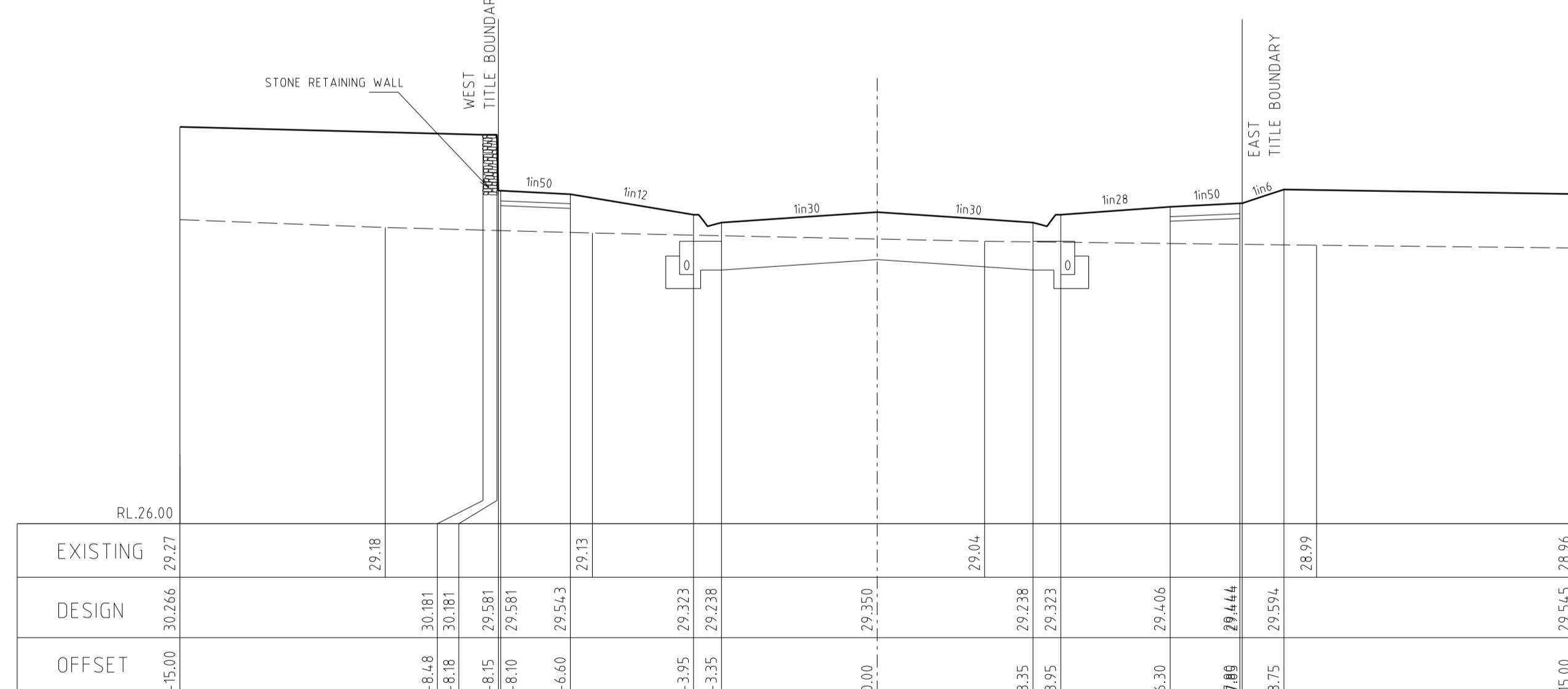
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430.57

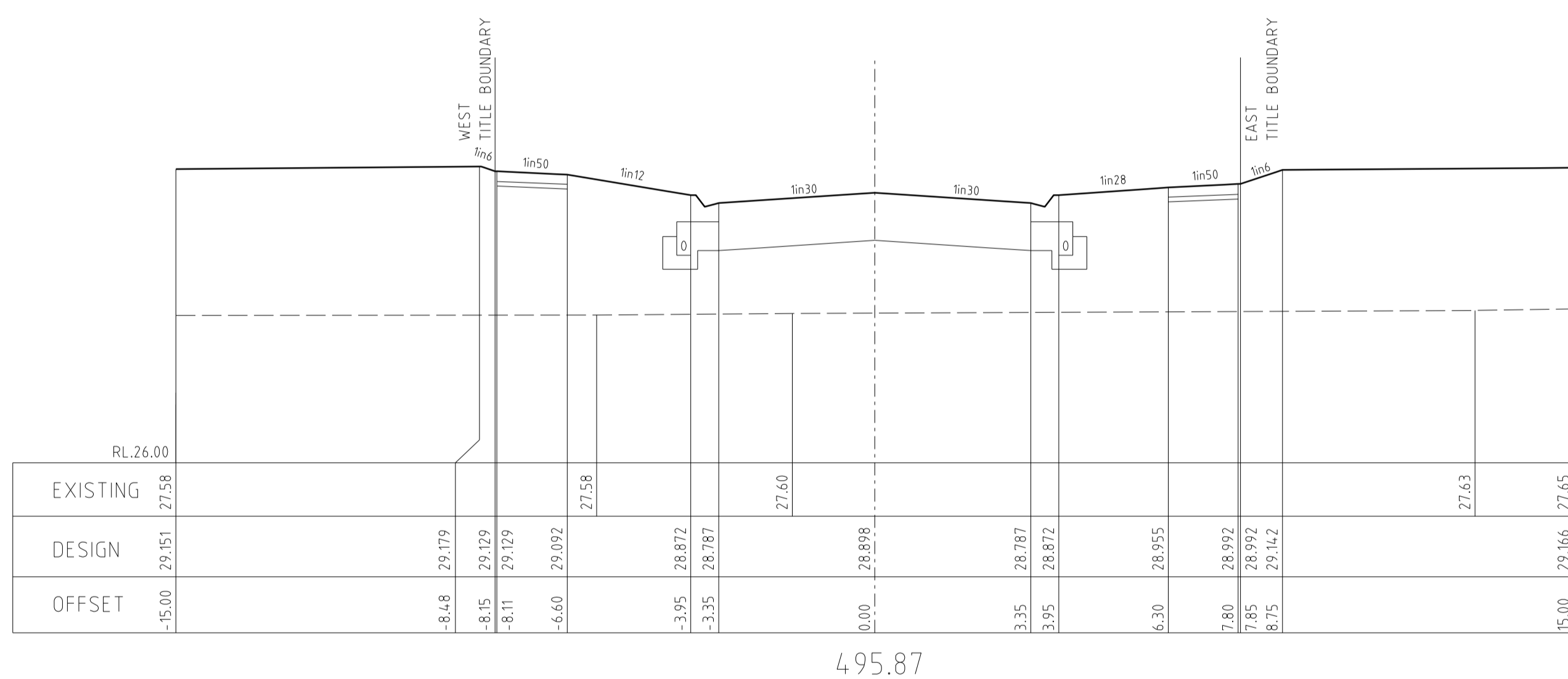


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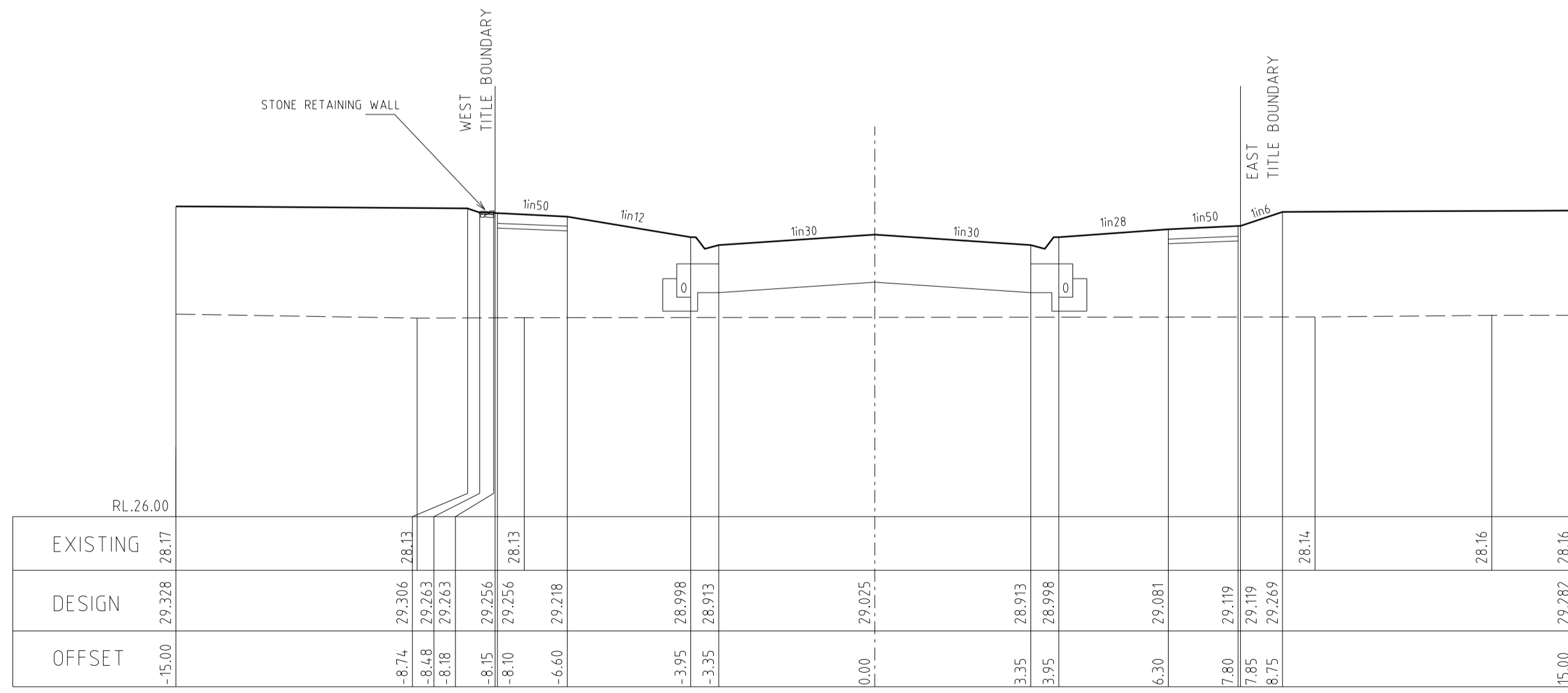
SCENERY DRIVE CROSS SECTIONS

SCALE Hor. 1:100  
Vert 1:50

AMENDMENTS	D	28.06.19	DRAIN EXTENT AMENDED	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	MUNICIPALITY CASEY REFERENCE 8129 E/17				
	C	22.05.19	PLAN OF SUBDIVISION AMENDED	SURVEY	B. P. D.						
	B	15.03.19	STAGE 16 SPLIT 16/17	DESIGN	RK						
	A	8.02.19	CONSTRUCTION ISSUE	DRAWN	RK						
	VER	DATE	REMARKS	CHECKED	SCALE			AS SHOWN	DATUM	AHD	DATE



495.87

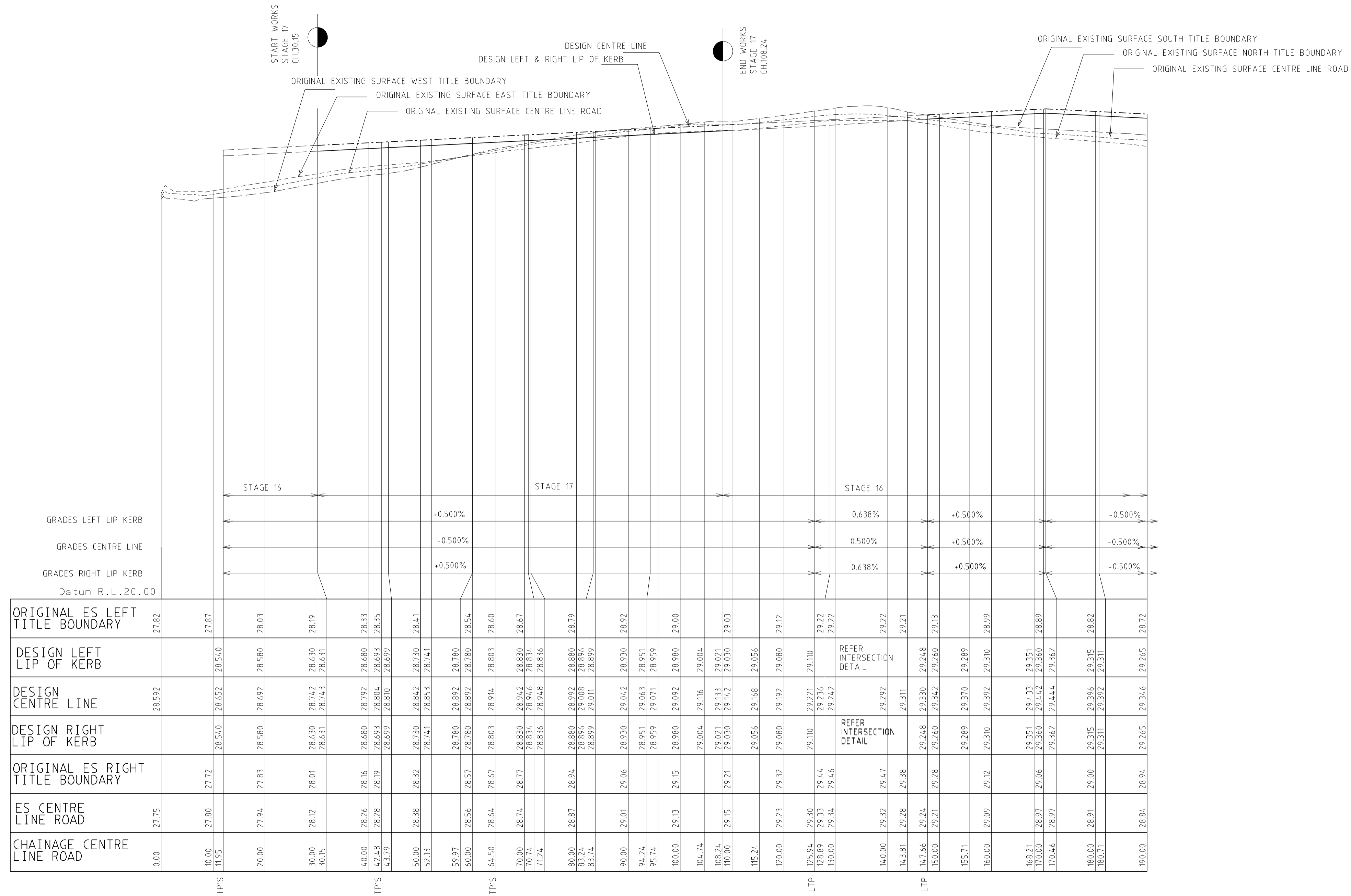


470.56

### SCENERY DRIVE CROSS SECTIONS

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Vert 1:50

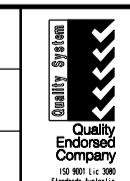
AMENDMENTS		MELWAY REF.	BREASE PITT DIXON PTY. LTD. land surveyors civil engineers		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310		
D	28.06.19	DRAIN EXTENT AMENDED	131-C-12	MERIDIAN ESTATE STAGE 17	MUNICIPALITY CASEY		
C	22.05.19	PLAN OF SUBDIVISION AMENDED	SURVEY B.P.D.		REFERENCE 8129 E/17		
B	15.03.19	STAGE 16 SPLIT 16/17	DESIGN RK				
A	8.02.19	CONSTRUCTION ISSUE	DRAWN RK				
VER.	DATE	REMARKS	CHECKED	SCALE AS SHOWN	DATUM AHD	DATE AUG. 18	SHEET 7 OF 11



CEDUNA ROAD (2) LONGITUDINAL SECTION

SCALE Hor. 1:500  
Vert 1:50

AMENDMENTS	DATE	REMARKS	CHECKED	SCALE	DATUM	AHD	DATE	SHEET	OF	11	0
D	28.06.19	DRAIN EXTENT AMENDED	MELWAY REF. 131-C-12	AS SHOWN	AHD		AUG. 18	8	OF	11	0
C	22.05.19	PLAN OF SUBDIVISION AMENDED	SURVEY B.P.D.								
B	15.03.19	STAGE 16 SPLIT 16/17	DESIGN RK								
A	8.02.19	CONSTRUCTION ISSUE	DRAWN RK								
VER											



breese pitt dixon pty. ltd.  
land surveyors civil engineers

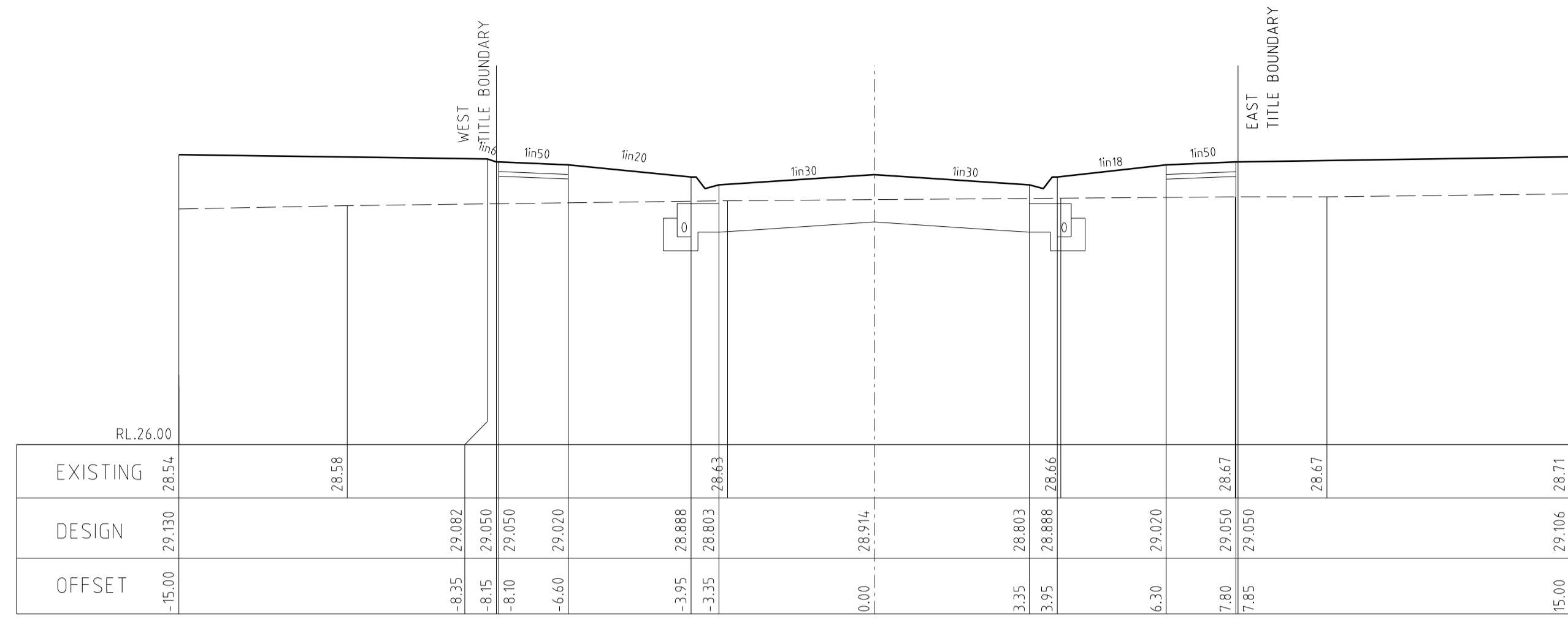
1/19 cato street  
hawthorn east, 3123  
telephone 8823 2300  
fax no. 8823 2310

MERIDIAN ESTATE  
STAGE 17

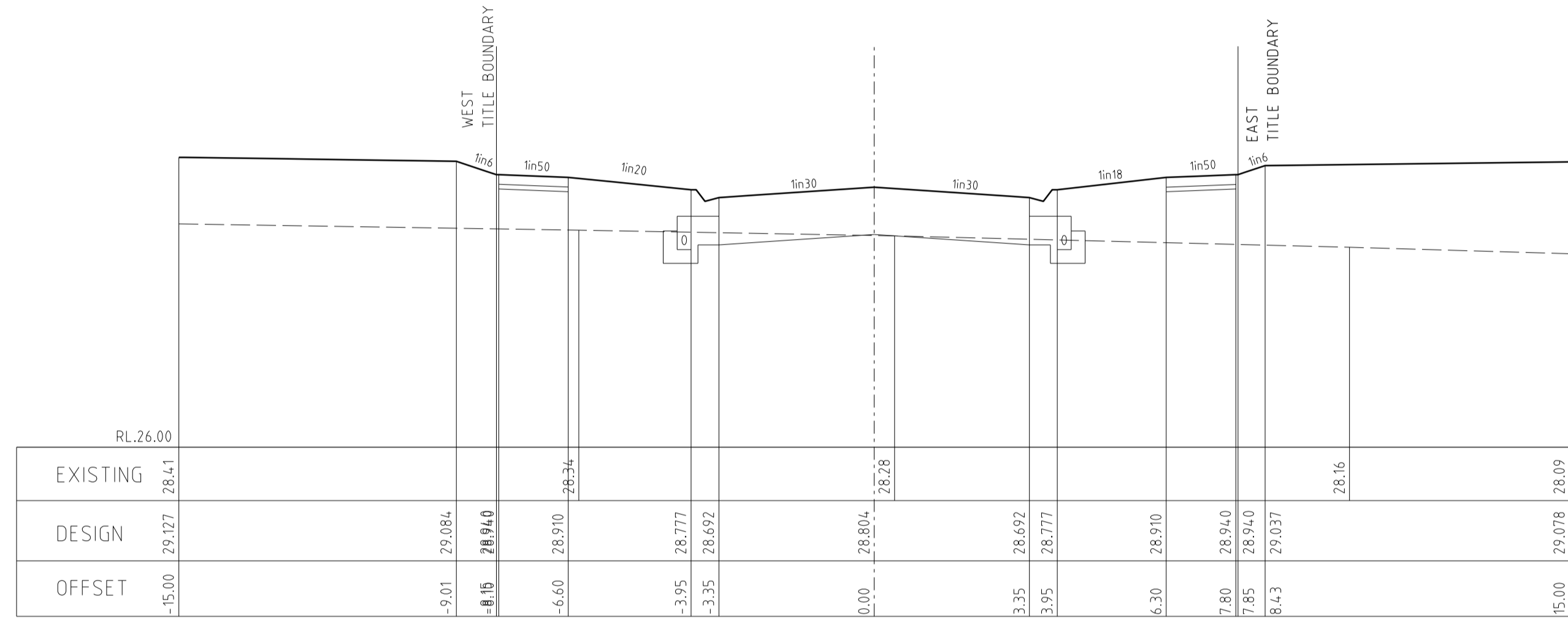
MUNICIPALITY  
CASEY

REFERENCE  
8129 E/17

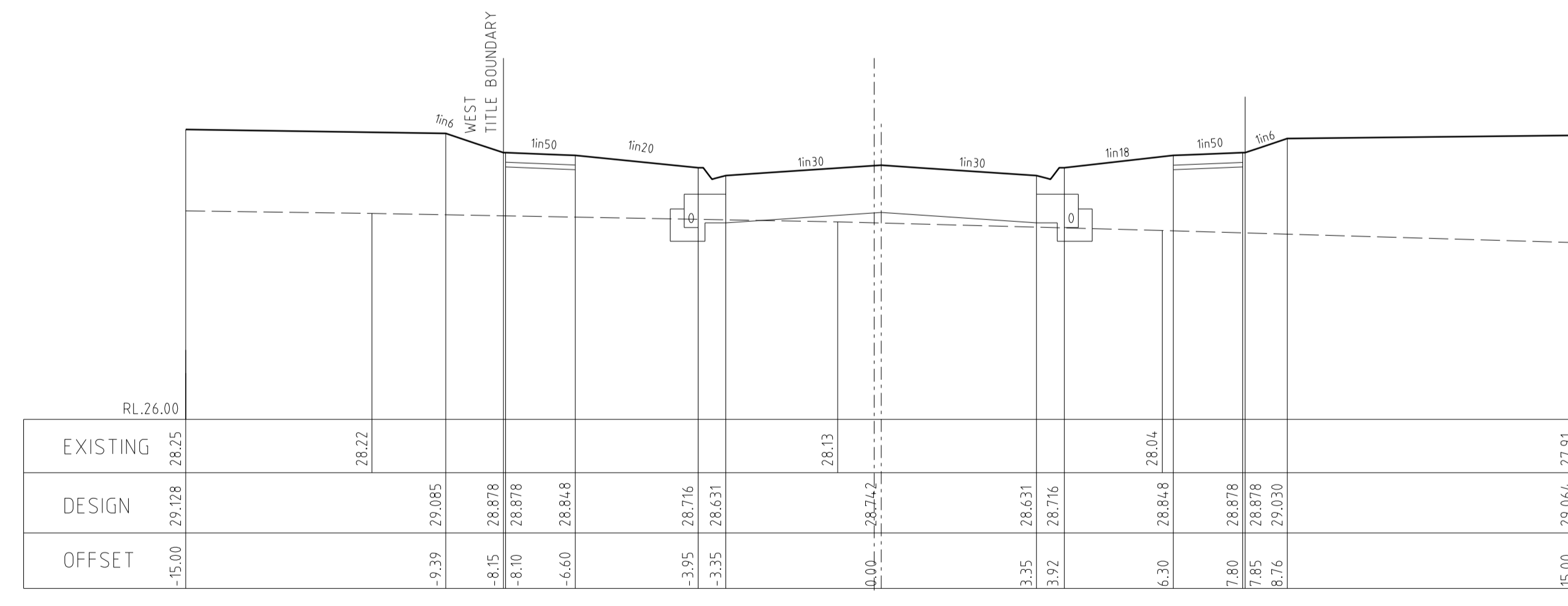




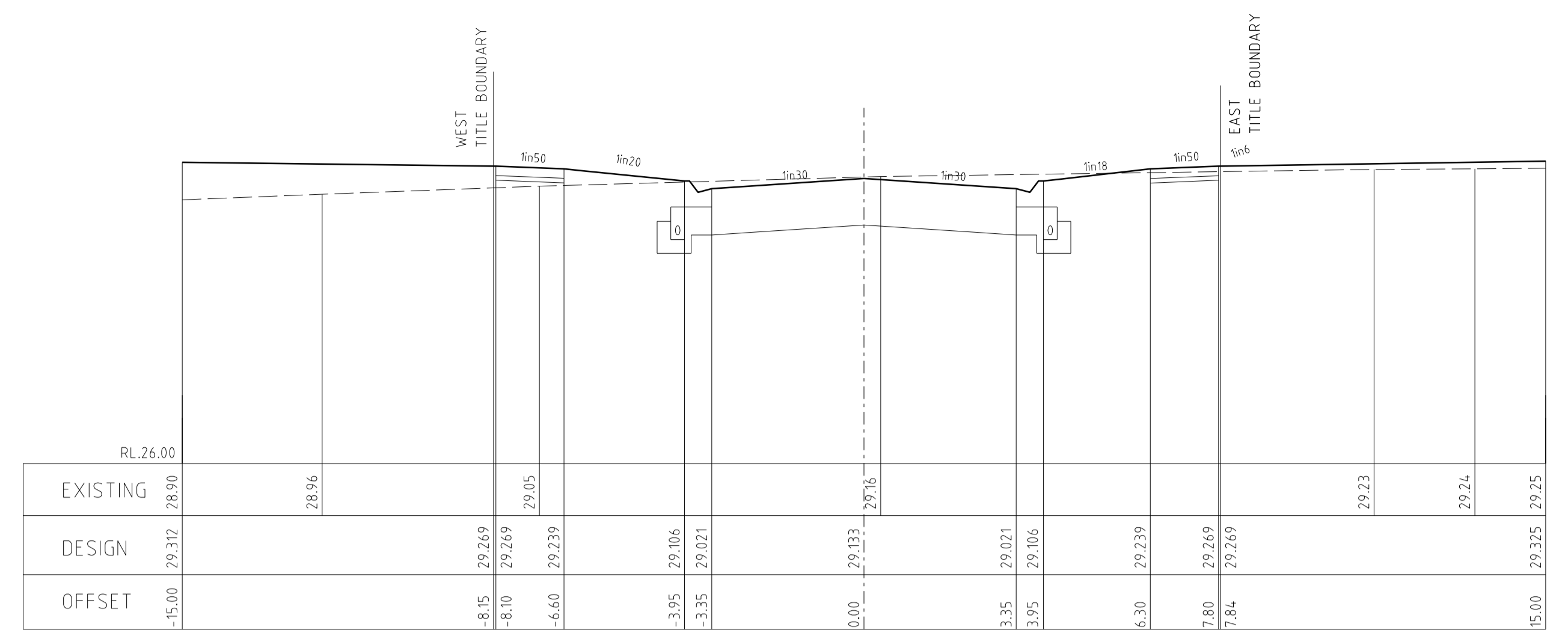
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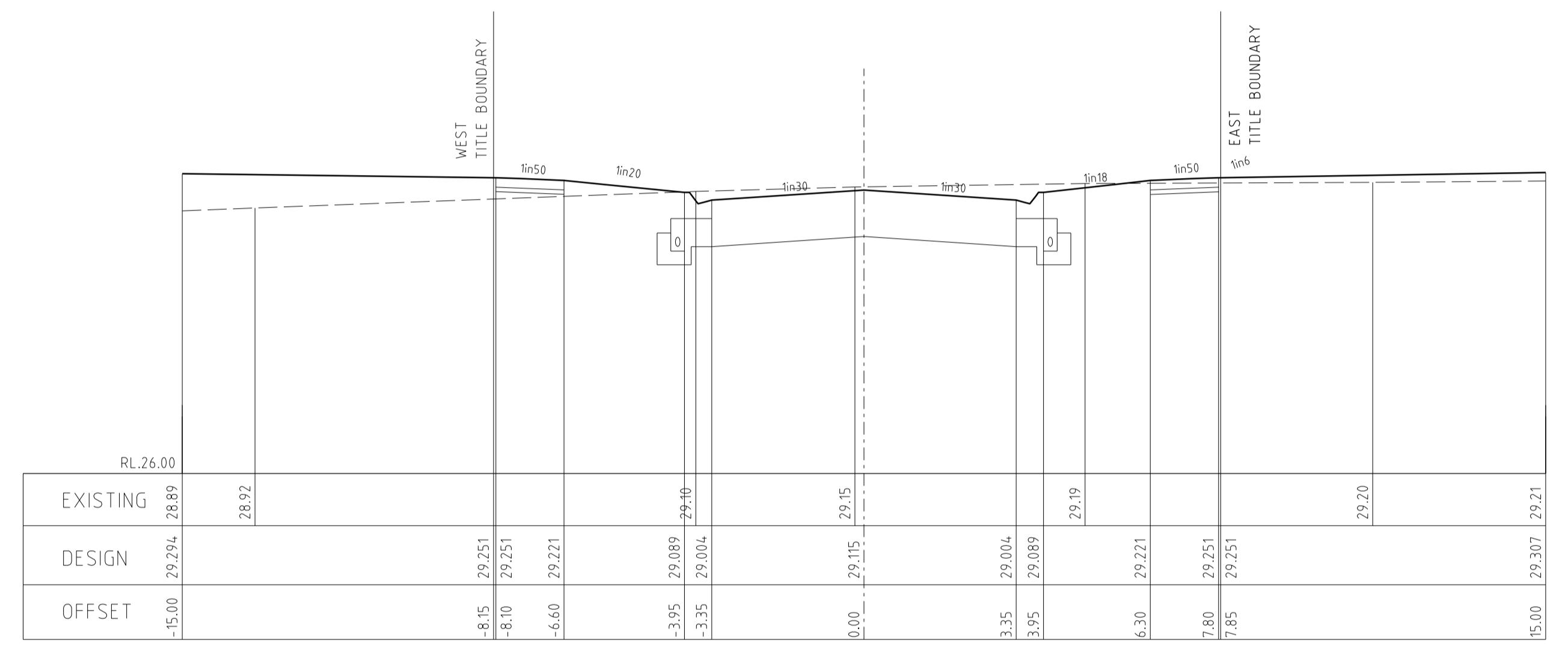
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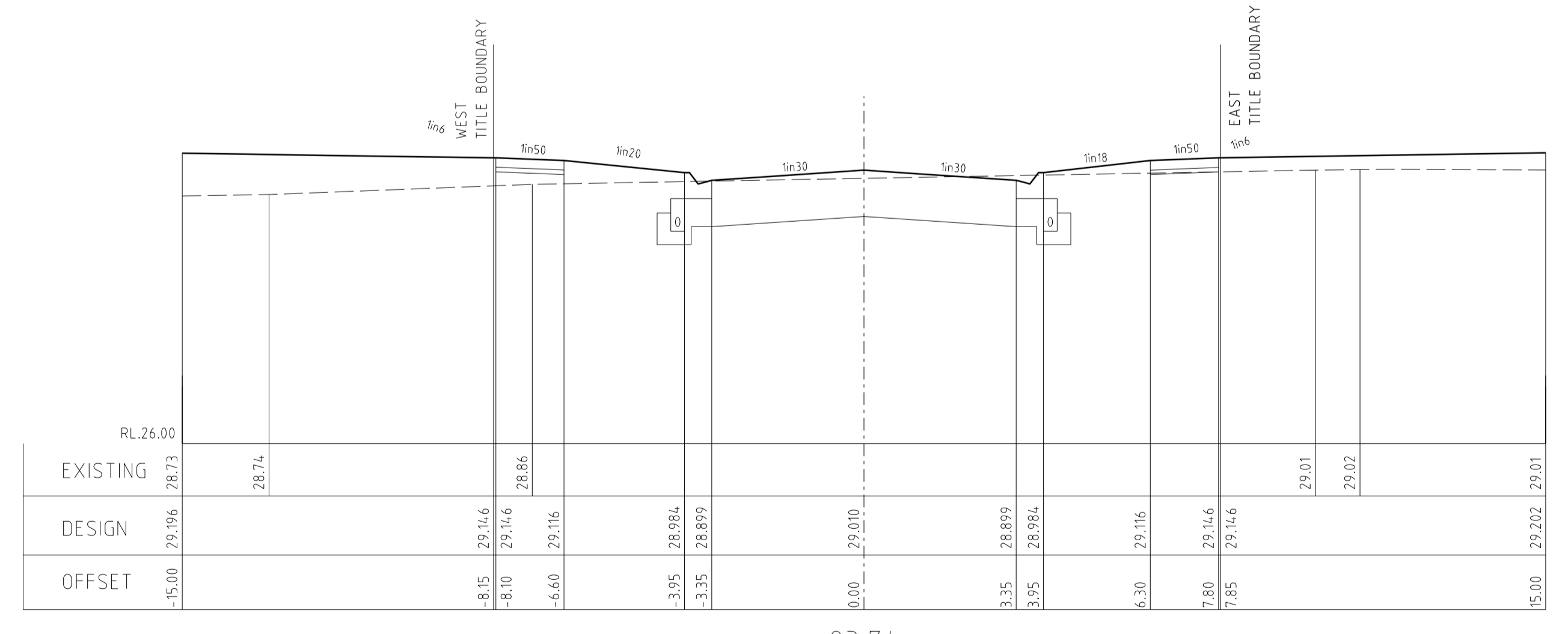
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108.24



104.74



83.74

CEDUNA ROAD (2) CROSS SECTIONS

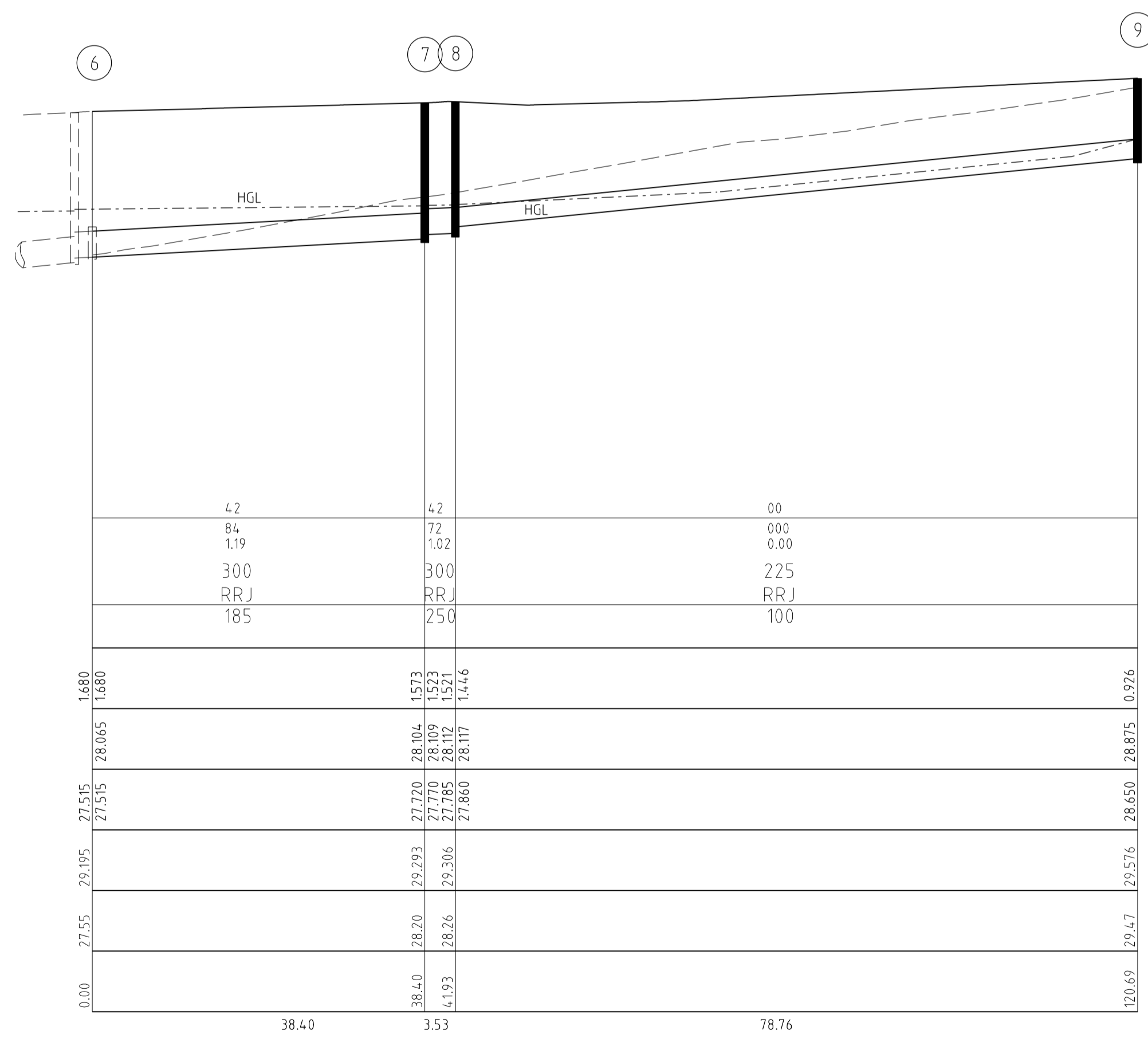
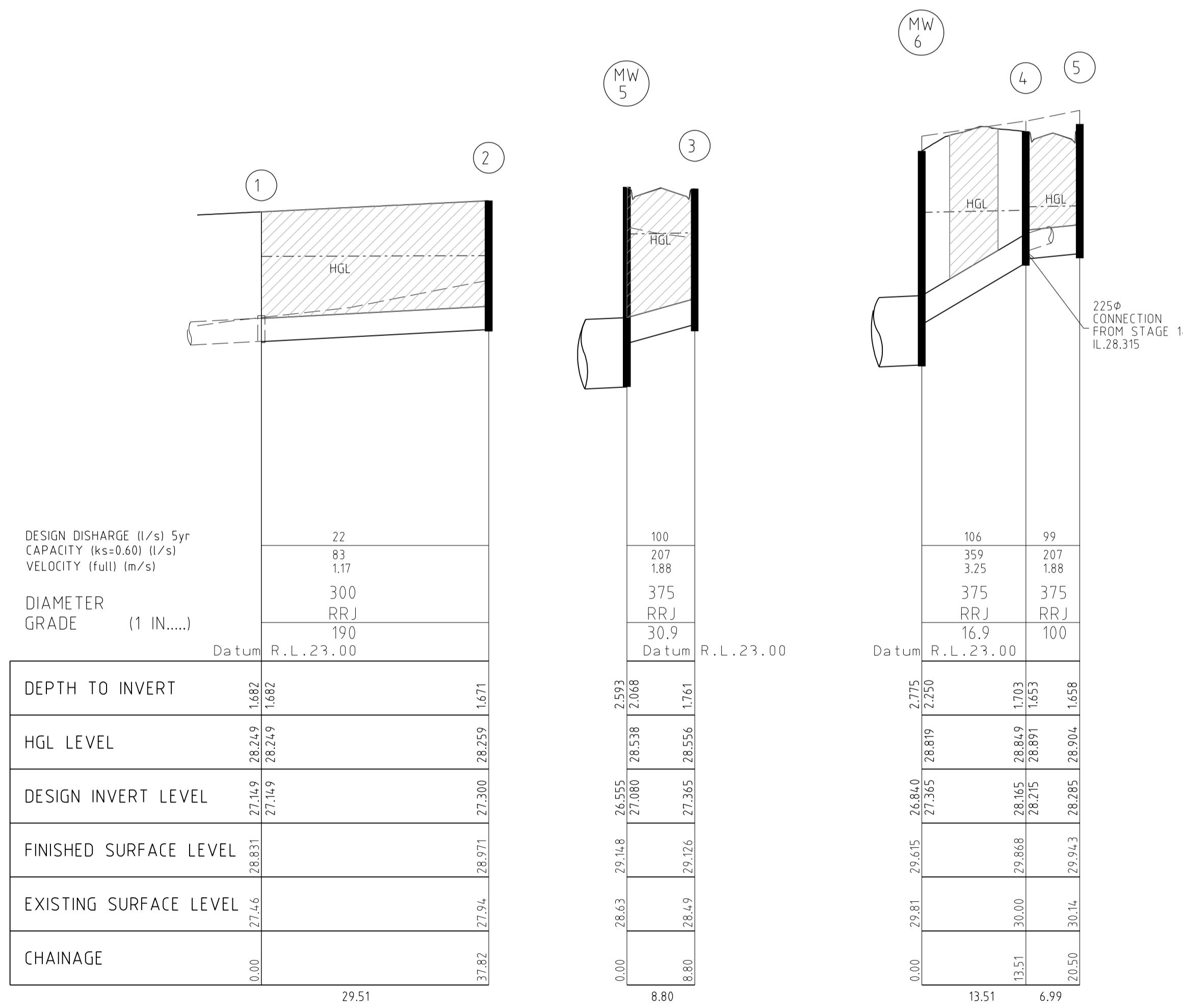
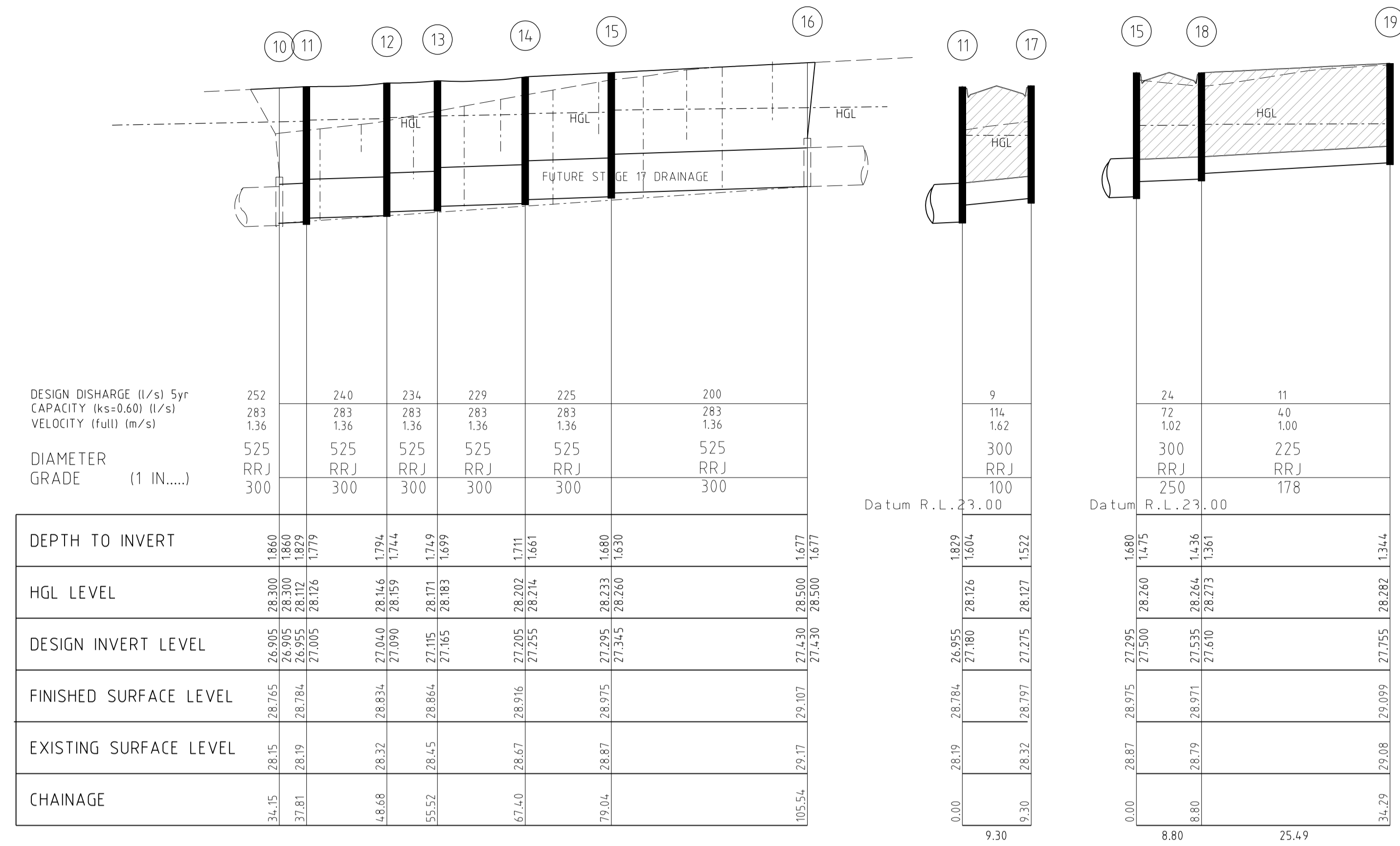
SCALE Hor. 1:100  
Vert 1:50

		<b>breese pitt dixon</b> pty. ltd. 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>MUNICIPALITY</b> CASEY	
<b>DESIGN</b> RK		<b>DRAWN</b> RK		<b>REFERENCE</b> 8129 E/17	
<b>CHECKED</b>		<b>SCALE</b> AS SHOWN		<b>DATUM</b> AHD	
<b>DATE</b>		<b>DATE</b> AUG. 18		<b>SHEET</b> 9 OF 11	

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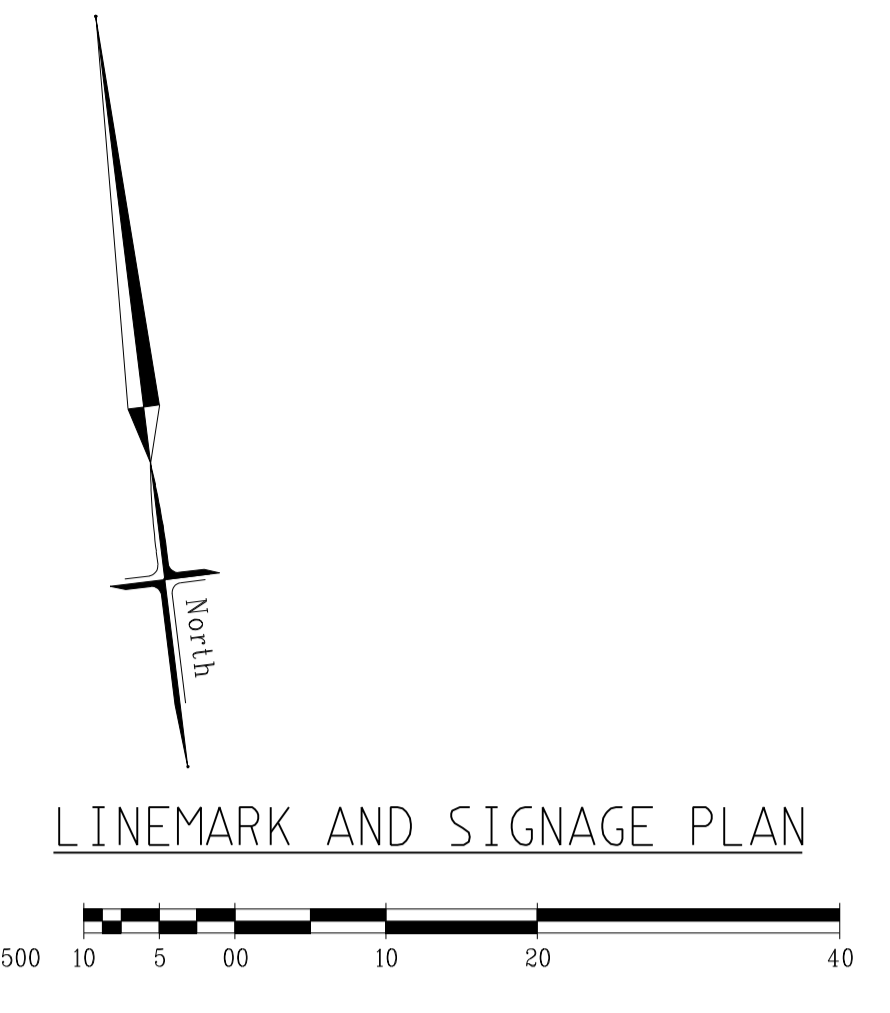
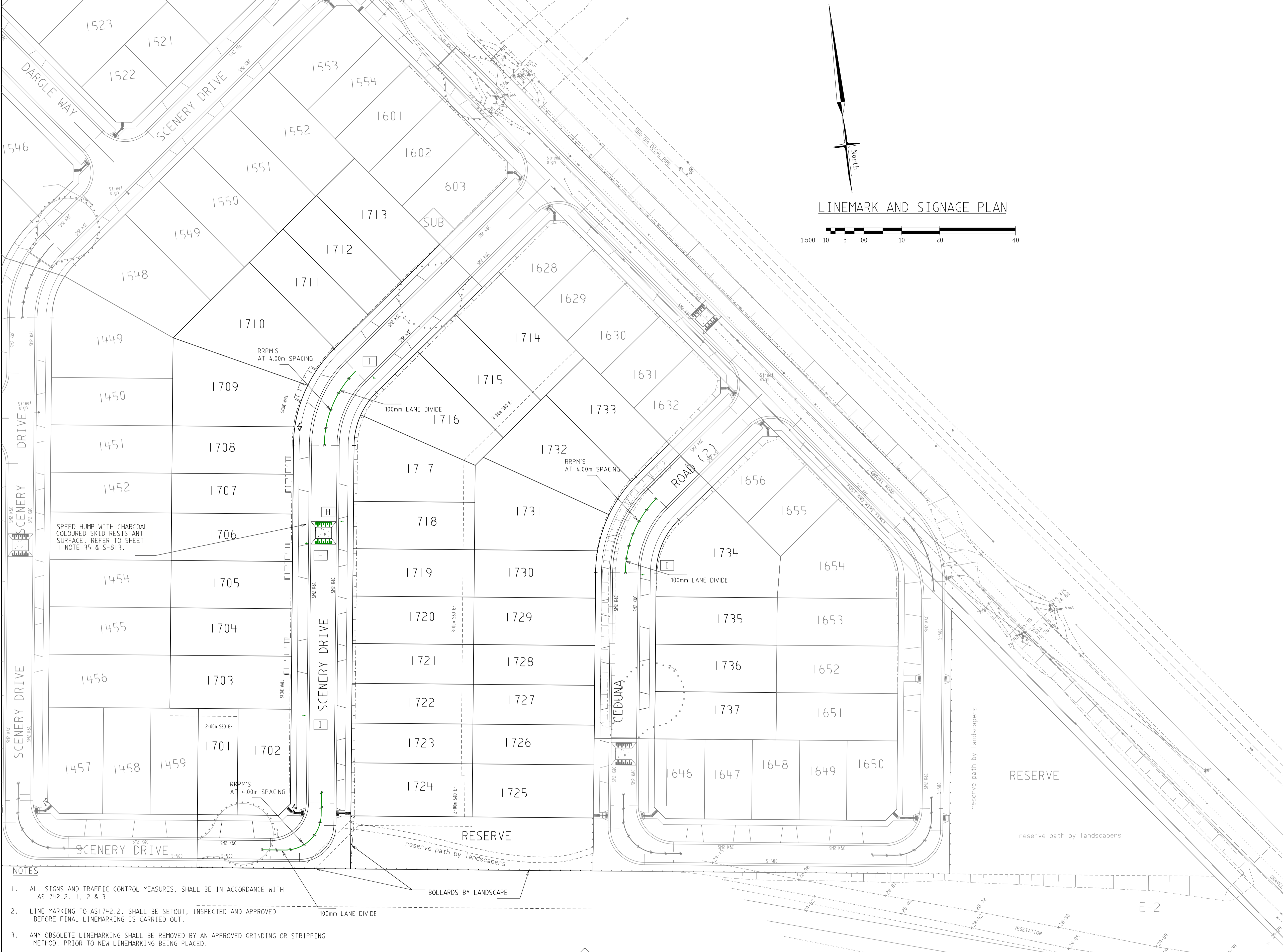
PIT SCHEDULE

PIT No.	PIT TYPE	SIZE L x W	INLET DIA	INLET I.L.	OUTLET DIA	OUTLET I.L.	COVER LEVEL	PIT DEPTH	REMARKS
1	END PIPE	-x-	-	-	300	27.149	28.831	1.682	REMOVE TEMPORARY PIPE SEAL AND CONNECT PIPE
2	G.S.E.P.	900x600	-	-	300	27.300	28.971	1.671	EDCM 603/605
3	G.S.E.P.	900x600	-	-	375	27.365	29.126	1.761	EDCM 603/605
4	G.S.E.P.	900x600	375 EX 225	28.215 28.315	375	28.165	29.868	1.703	EDCM 603/605 CONSTRUCT PIT OVER EXISTING 225 DIA CUT AND REMOVE REMAINDER OF 225 DIA
5	G.S.E.P.	900x600	-	-	375	28.285	29.943	1.658	EDCM 601/605
6	END PIPE	-x-	300	27.515	EX300	27.515	29.195	1.680	REMOVE SEAL AND CONNECT PIPE
7	J.P.	900x600	300	27.720	300	27.720	29.293	1.573	EDCM 605
8	J.P.	900x600	225	27.860	300	27.785	29.306	1.521	EDCM 605
9	J.P.	900x600	-	-	225	28.650	29.576	0.926	EDCM 605
10	END PIPE	-x-	525	26.905	525	26.905	28.765	1.826	REMOVE TEMPORARY SANDBAG ENDWALL AND CONNECT
11	J.P.	900x750	525	27.005	525	26.955	28.190	1.829	EDCM 605 REMOVE TEMP COVER AND CONSTRUCT PIT TO FINISHED SURFACE LEVEL REMOVE BLOCKOUT AND CONNECT
12	J.P.	900x750	525	27.090	525	27.040	28.334	1.794	EDCM 605 REMOVE TEMP COVER AND CONSTRUCT PIT TO FINISHED SURFACE LEVEL REMOVE BLOCKOUT AND CONNECT
13	J.P.	900x750	525	27.165	525	27.115	28.364	1.749	EDCM 605 REMOVE TEMP COVER AND CONSTRUCT PIT TO FINISHED SURFACE LEVEL REMOVE BLOCKOUT AND CONNECT
14	J.P.	900x750	525	27.255	525	27.205	28.916	1.711	EDCM 605 REMOVE TEMP COVER AND CONSTRUCT PIT TO FINISHED SURFACE LEVEL REMOVE BLOCKOUT AND CONNECT
15	G.S.E.P.	900x750	525	27.345	525	27.295	28.975	1.680	EDCM 603/605
16	END PIPE	-x-	525	27.430	525	27.430	29.107	1.677	REMOVE TEMPORARY SANDBAG ENDWALL AND CONNECT
17	J.P.	900x600	-	-	300	27.275	28.797	1.522	EDCM 605
18	G.S.E.P.	900x600	225	27.610	300	27.535	28.971	1.436	EDCM 603/605
19	J.P.	900x600	-	-	225	27.755	29.099	1.344	EDCM 605



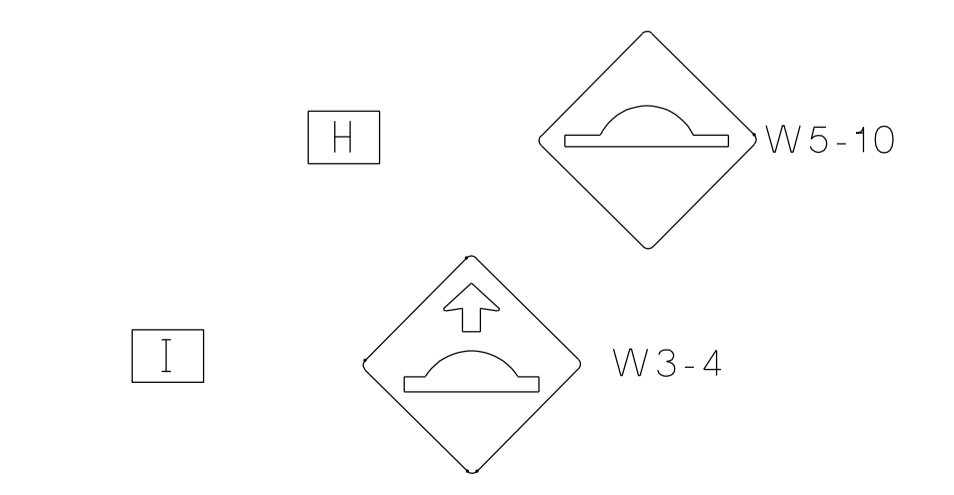
		1/19 coto street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
land surveyors		civil engineers	
MERIDIAN ESTATE STAGE 17		MUNICIPALITY CASEY	
AMENDMENTS D 28.06.19 DRAIN EXTENT AMENDED C 22.05.19 PLAN OF SUBDIVISION AMENDED B 15.03.19 STAGE 16 SPLIT 16/17 A 8.02.19 CONSTRUCTION ISSUE		REFERENCE 8129 E/17	
VER DATE REMARKS	CHECKED	SCALE AS SHOWN DATUM AHD DATE AUG. 18	SHEET 10 OF 11

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LINEMARK AND SIGNAGE PLAN

- NOTES**
- ALL SIGNS AND TRAFFIC CONTROL MEASURES, SHALL BE IN ACCORDANCE WITH AS1742.2, 1, 2 & 3
  - LINE MARKING TO AS1742.2, SHALL BE SETOUT, INSPECTED AND APPROVED BEFORE FINAL LINEMARKING IS CARRIED OUT.
  - ANY OBSOLETE LINEMARKING SHALL BE REMOVED BY AN APPROVED GRINDING OR STRIPPING METHOD, PRIOR TO NEW LINEMARKING BEING PLACED.
  - LINE MARKING SHALL BE IN ACCORDANCE WITH VIC ROADS REQUIREMENT WITH LATERAL WORKS AND ARROWS BEING COLD APPLIED PLASTIC TROWELLED INTO PLACE (MATERIAL DEGADUR OR PLASTELINE) AND LONGITUDINAL LINES BEING EXTRUDED THERMOPLASTIC MATERIAL (VIC ROADS SPECIFICATION SEE SECTION 710 & 722)
  - THE CONTRACTOR SHALL PREPARE A TEMPORARY SIGNAGE & LINEMARKING PLAN FOR CONSTRUCTION PURPOSES. THIS PLAN IS TO BE DISCUSSED AT A SITE MEETING WITH VIC ROADS SURVEILLANCE OFFICER WHO SHALL BE CONTACTED 7 DAYS IN ADVANCE OF COMMENCEMENT OF WORKS.
  - SIGNING AND TRAFFIC MANAGEMENT MUST BE CARRIED OUT BY THE CONTRACTOR IN ACCORDANCE WITH "VIC ROADS WORKSITE TRAFFIC MANAGEMENT MANUAL" WHICH INCORPORATES AS 1742.3 - 1996.
  - NO 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)
H	SPEED HUMP (W5-10)
I	SPEED HUMP AHEAD (W3-4)

AMENDMENTS	DATE	REMARKS	CHECKED
D	28.06.19	DRAIN EXTENT AMENDED	
C	22.05.19	PLAN OF SUBDIVISION AMENDED	
B	15.03.19	STAGE 16 SPLIT 16/17	
A	8.02.19	CONSTRUCTION ISSUE	

**breese pitt dixon pty. ltd.**  
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hawthorn east, 3123  
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**MERIDIAN ESTATE  
STAGE 17**

MUNICIPALITY  
**CASEY**

REFERENCE  
**8129 E/17**

SCALE AS SHOWN DATUM AHD DATE AUG. 18 SHEET 11 OF 11

# MELBOURNE WATER WATERWAYS AND DRAINAGE CITY OF CASEY TI-TREE CREEK SECTION 123

## NOTES

### GENERAL

- All levels are in metres to Australian Height Datum (AHD).
- Co-ordinates for setting out are ARBITRARY
- All works to be carried out in accordance with Melbourne Water city of Casey Standards Specifications and Standard Drawings, except where varied by these notes.
- All pipes under road pavements to be RRJ RCP CLASS 3 or RRJ FRC (class equivalent to that of RCP). All other pipes to be RRJ RCP CLASS 2 or RRJ FRC (class equivalent to that of RCP).
- Pit covers and grates must match finished surface levels.
- 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.

### DESIGN

- Melbourne Water N25 Grade Concrete - General Purpose (GP) type cement must be used in construction of all structures.
- Reinforcing Steel must be Structural Grade Y (Hot Rolled Deformed Bars) in accordance with AS1302.
- The contractor must:
  - supply all materials for the connection of the proposed stormwater drain to the existing stormwater system.
  - strip and stockpile existing topsoil for later site restoration.
  - topsoil and sow disturbed areas with approved grasses.
  - remove all surplus spoil from site.
  - give the Superintendent at least 7 clear days notice prior to the commencement of the works.
- Pit risers to also be on kerb side where appropriate.

### STRUCTURAL

- Clear cover to reinforcement must be 50mm minimum.
- Minimum lap length must be 400mm.
- All exposed steel components must be hot dipped galvanised after fabrication.
- Mass concrete base of chamber shall be homogeneously poured with the floor and walls.
- Mass concrete to be neatly shaped and rounded off at junction of all pipes to facilitate smooth hydraulic flow.

### REINSTATEMENT

- Existing footpath, kerb and channel, pavement and nature strip areas affected by the works are to be reinstated to the satisfaction of the relevant Municipality.

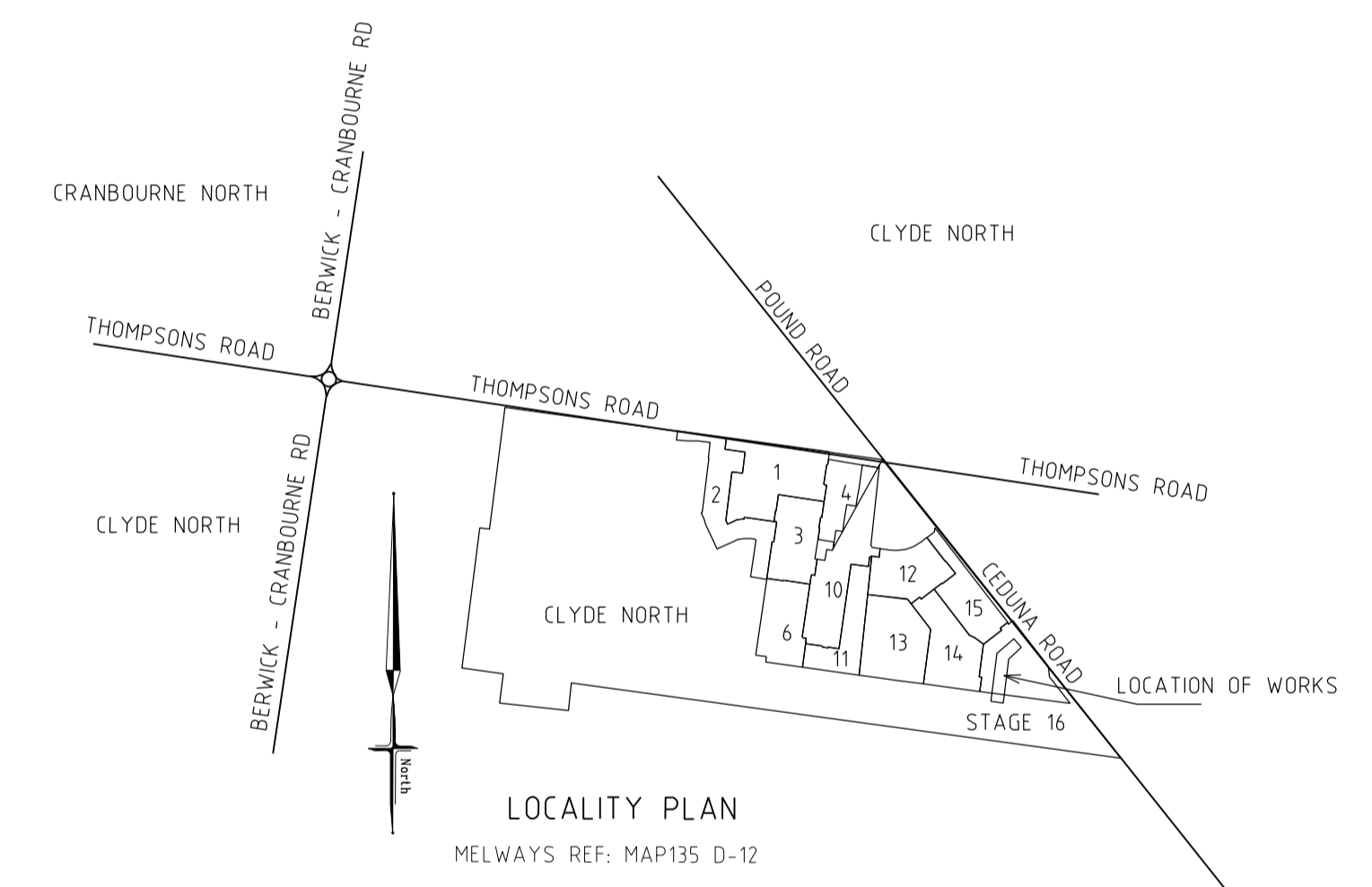
### ENVIRONMENT

- On commencement of construction works the contractor must comply with the recommendations of the Environment Protection Authority publication "Construction Techniques for Sediment Pollution Control" (Publication No. 275 1991)

### BENCHMARKS

- All IBM'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 consultant to arrange re-instatement at the contractors expense.

STRUCTURE SCHEDULE											AS CONST.				
PIT No.	PIT DESCRIPTION	PIT INTERNAL LENGTH WIDTH		INLET INVERT DIA		OUTLET INVERT DIA		BRANCH INVERT DIA		TOP PIT RL	DEPTH INVERT	REMARKS	INLET INVERT	OUTLET INVERT	TOP PIT RL
1	EX PIPE CAP	-	-	-	-	26.302	900			28.845	2.543	REMOVE SEALED END AND CONNECT PIPE			
2	GRATED SIDE ENTRY PIT	H 900	H 1100	26.430	900	26.410	900			29.024	2.614	EDCM 603/605 HUANCH PIT EDCM 607			
3	JUNCTION PIT	S 900 H 900	S 600 H 1100	26.475	900	26.455	900			29.057	2.602	EDCM 605 HUANCH PIT EDCM 607			
4	JUNCTION PIT	S 900 H 900	S 600 H 1100	26.525	900	26.505	900			29.103	2.598	EDCM 605 HUANCH PIT EDCM 607			
5	GRATED SIDE ENTRY PIT	S 900 H 900	S 600 H 1100	26.575	900	26.555	900	27.080	375	29.148	2.593	EDCM 603/605 HUANCH PIT EDCM 607			
6	JUNCTION PIT	S 900 H 900	S 600 H 1100	26.840	900	26.840	900	27.365	375	29.615	2.775	EDCM 605 HUANCH PIT EDCM 607			
7	PIPE CAP	-	-	-	-	26.895	900			30.08	3.185	SEAL END OF PIPE FOR FUTURE CONNECTION			



## SHEET INDEX

SHT No.	VER	DESCRIPTION
1	D	LOCALITY PLAN, NOTES, STRUCTURE SCHEDULE
2	D	DETAIL PLAN
3	D	LONGITUDINAL SECTION

- ALL PITS TO HAVE STEP IRONS ON FREE FACE OF PIT TO 300mm ABOVE INVERT OF OUTLET PIPE
- PROVIDE BLOCKOUT FOR FUTURE CONNECTIONS AT REDUCED LEVELS SHOWN ON LONG SECTION AND TABLE ABOVE. REFER LAYOUT PLAN FOR WALL LOCATION OF BLOCKOUT
- DEPTH TO INVERT SHOWN ABOVE IS DEPTH FROM THE PROPOSED FINISHED SURFACE TO PIPE INVERT - IE: DEPTH OF TRENCH
- S - SHAFT DIMENSION, H - HAUNCH DIMENSION REFER GROWTH AREA EDCM std dvg 607 FOR DETAILS

REF.	ZONE	REVISION	DATE	APPD
D		PROJECT NUMBER AMENDED	28.06.19	JT
C		PLAN OF SUBDIVISION AMENDED	23.05.19	JT
B		STAGE 16 SPLIT TO 16/17	15.03.19	JT
A		CONSTRUCTION ISSUE	8.02.19	JT
P4		ROAD NAME CHANGE	25.01.19	JT

SYMBOLS AND GENERAL NOTES	
SEWERS — S —	WATER MAINS — W —
GAS MAINS — G —	ELECTRICAL CABLES — E —
TELEPHONE CABLES — T —	MANHOLES — ● or —■—
	M.H. M.H.

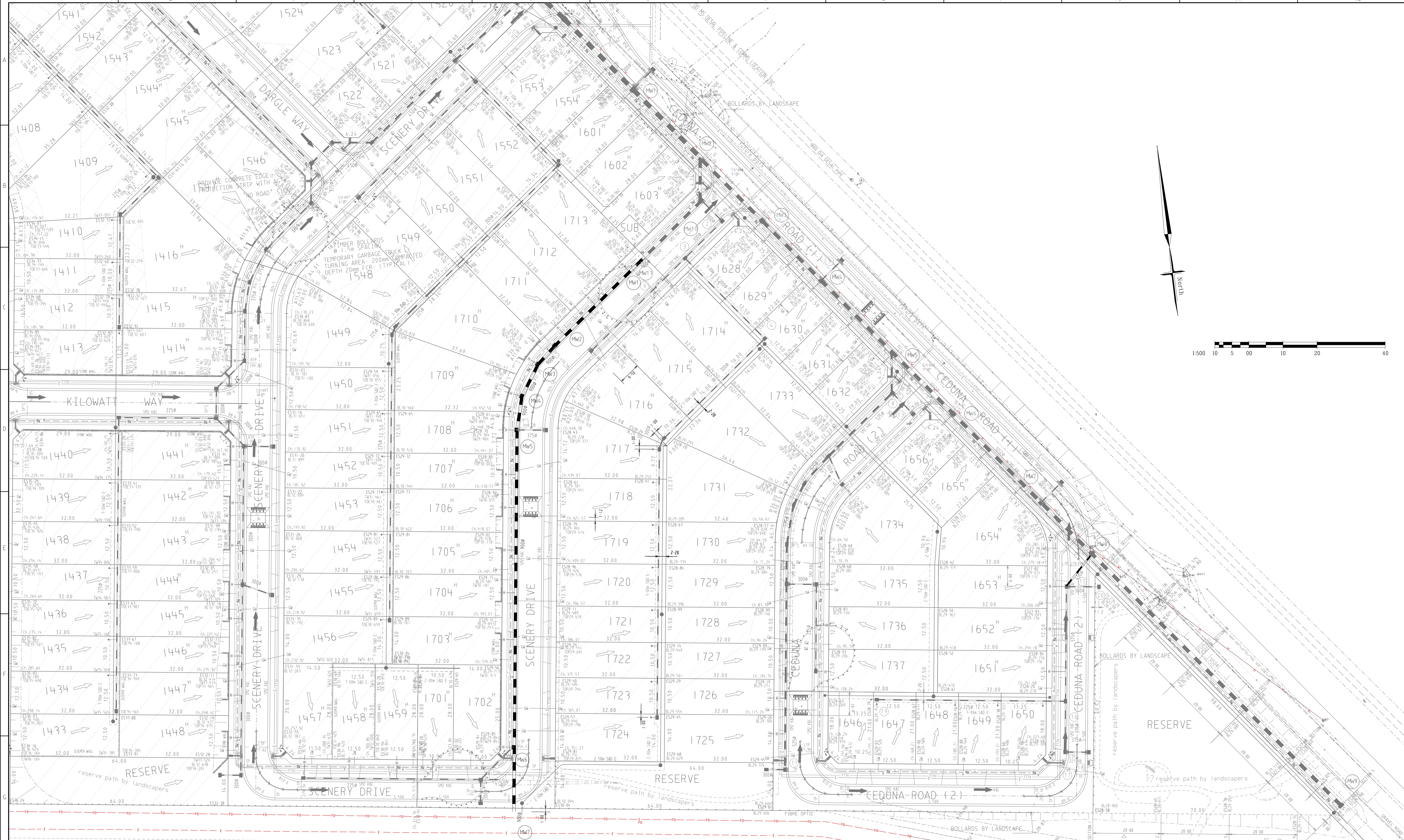
REGARDING ACCURACY OF POSITIONS OF UNDERGROUND AND OVERHEAD STRUCTURES AND SERVICES SEE SPECIFICATION 92-A-014  
ALL CONCRETE SHALL CONFORM WITH SPECIFICATION 92-A-017  
ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD METRES ABOVE MEAN SEA LEVEL)

DESIGNED	r kouraan	PLAN REFERENCE	
CHECKED	J TALBOT	MELWAY REFERENCE	131-C-12
DATE			
AUTHORISED BY		MELBOURNE WATER LTD.	0619/123
DATE	D BARKER	OFFER FILE No.	

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**MELBOURNE WATER - WATERWAYS AND DRAINAGE**  
MUNICIPALITY OF CASEY  
MERIDIAN ESTATE  
TI-TREE CREEK SECTION 123

SCALE AS SHOWN	
SHEET 1 OF 3	D
DRAWING No.	
0619/123	
JUL '18	



# ELECTRICAL TRANSMISSION EASEMENT

REF.	ZONE	REVISION	DATE	APP'D
		2		

**SYMBOLS AND GENERAL NOTES**

SEWERS — S —	WATER MAINS — W —	TELEPHONE CABLES — T —
GAS MAINS — G —	ELECTRICAL CABLES — E —	MANHOLES — ● or —
		M.H. M.H.

REGARDING ACCURACY OF POSITIONS OF UNDERGROUND AND OVERHEAD STRUCTURES AND SERVICES SEE SPECIFICATION 92-A-014  
 ALL CONCRETE SHALL CONFORM WITH SPECIFICATION 92-A-017  
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DESIGNED	r. kourman	PLAN REFERENCE	
CHECKED	J. TALBOT	MELWAY REFERENCE	131-C-12
AUTHORISED BY		MELBOURNE WATER LTD.	0619/123
DATE	D. BARKER	OFFER FILE NO.	

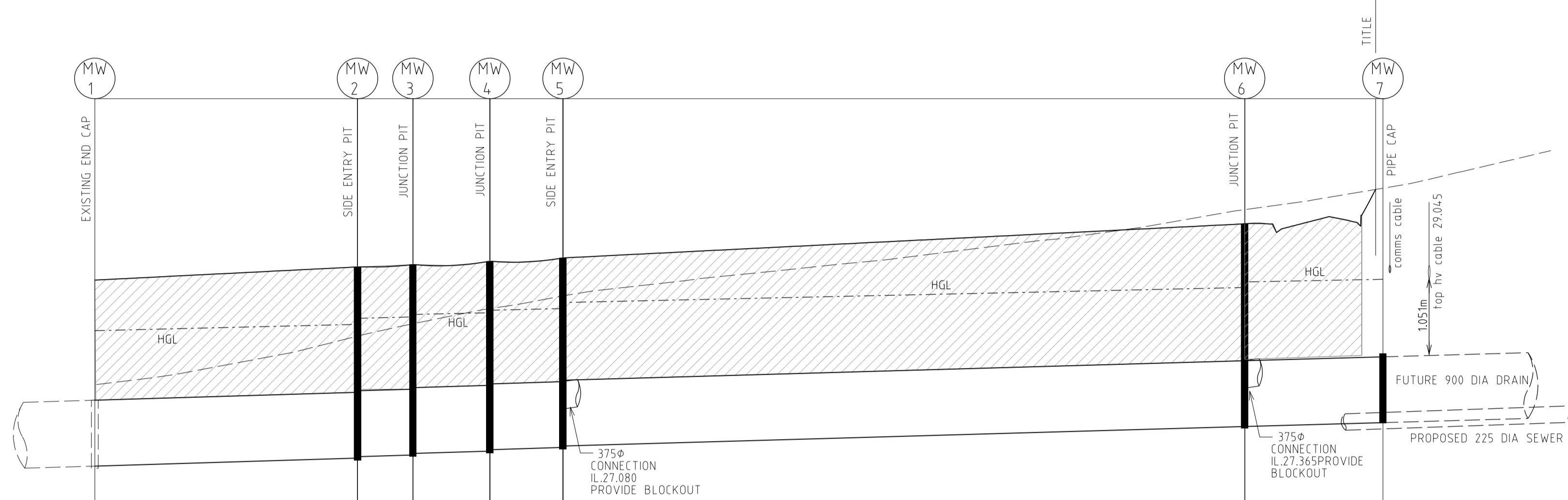
**bpd** breese pitt dixon Pty. Ltd.  
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**MELBOURNE WATER - WATERWAYS AND DRAINAGE**  
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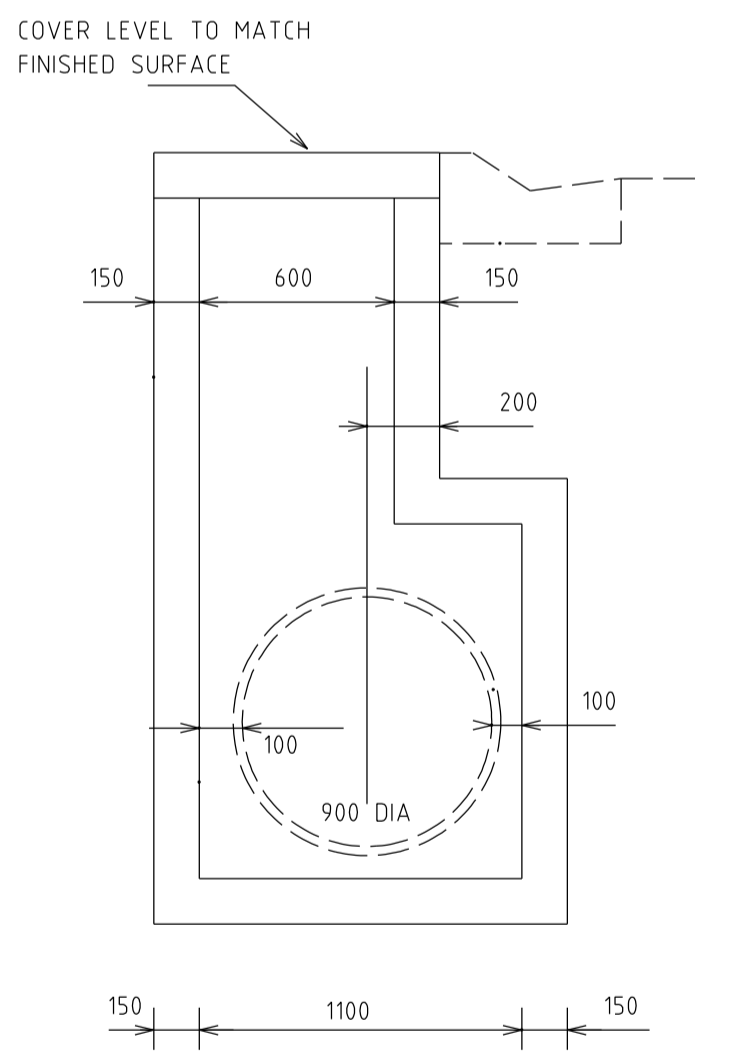
SCALE AS SHOWN	
SHEET OF 3	
DRAWING No.	0619/123
JUL '18	

BPD Ref No. 8129E/MW

**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



		DATUM RL 23.00						
DESIGN DISCHARGE (l/s)		1143	1140	1138	1137		1098	1026
PIPE CAPACITY (l/s)		1178	1178	1178	1178		1144	1144
VELOCITY (m/s)		1.85	1.85	1.85	1.85		1.80	1.80
PIPE	DIAMETER	900 RRJ	900 RRJ	900 RRJ	900 RRJ		900 RRJ	900 RRJ
	GRADE	330	330	330	330		350	350
N.S. LEVEL		27.42	28.08	28.25	28.46		29.81	30.08
F.S. LEVEL		28.845	29.024	29.057	29.103		29.615	29.615
DEPTH TO INVERT		2.614	2.614	2.602	2.598		2.715	3.195
HGL LEVEL		28.152	28.314	28.332	28.423		28.808	28.845
INVERT LEVEL		26.302	26.430	26.475	26.525		26.850	26.895
CHAINAGE		0.00	35.93	43.51	54.03		157.25	176.16
AS CONST.	INVERT LEVEL							
	CHAINAGE							
		35.93	7.57	10.53	9.99		93.22	18.91



TYPICAL PIT DRAIN SETOUT UNDER FUTURE KERB 900 dia

**DRAINAGE LONGITUDINAL SECTION**  
 SCALE HORIZONTAL 1:500  
 ▨ DENOTES CRUSHED ROCK BACKFILL

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SCALE AS SHOWN	
SHEET 3 OF 3	D
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