

# PLAN OF SUBDIVISION

**EDITION**

**PS 905616P**

## LOCATION OF LAND

**PARISH:** KALKALLO  
**TOWNSHIP:** -  
**SECTION:** -  
**CROWN ALLOTMENT:** -  
**CROWN PORTION:** 26 (PART)  
**TITLE REFERENCE:** VOL FOL

**LAST PLAN REFERENCE:** LOT Y ON PS905624Q  
 LOT D ON PS905702W

**POSTAL ADDRESS:** (at time of subdivision) TITANIUM STREET  
 KALKALLO 3064

**MGA 94 CO-ORDINATES:** (approx. centre of land in plan) E 319 400 N 5 845 950 **ZONE:** 55

Council Name: Hume City Council  
 SPEAR Reference Number: S200025E

## VESTING OF ROADS AND/OR RESERVES

## NOTATIONS

IDENTIFIER	COUNCIL/BODY/PERSON	STAGING	NOTATIONS
ROAD R1 RESERVE No.1	HUME CITY COUNCIL AUSNET ELECTRICITY SERVICES PTY LTD	<b>THIS IS NOT A STAGED SUBDIVISION</b> PLANNING PERMIT NO. P20695	<b>THIS PLAN IS / IS NOT BASED ON SURVEY</b> THIS SURVEY HAS BEEN CONNECTED TO PERMANENT MARKS NO(S) MERRIANG 20 & 29 KALKALLO 72 IN PROCLAIMED SURVEY AREA NO. 74  <b>DEPTH LIMITATION</b> DOES NOT APPLY  LOTS 1 TO 32800 (BOTH INCLUSIVE) HAVE BEEN OMITTED FROM THIS PLAN.  EASEMENTS E-4, E-7, E-9, E-11 & E-13 TO E-16 (BOTH INCLUSIVE) HAVE BEEN OMITTED FROM THIS PLAN.  AREA OF LAND SUBDIVIDED IS 4.542ha.

## EASEMENT INFORMATION

**LEGEND:** E - ENCUMBERING EASEMENT, CONDITION IN CROWN GRANT IN THE NATURE OF AN EASEMENT OR OTHER ENCUMBRANCE A - APPURTENANT EASEMENT  
 \*SUPPORT IS DEFINED AS ALL NECESSARY STRUCTURAL SUPPORT RIGHTS FOR RETAINING WALL PURPOSES

SUBJECT LAND	PURPOSE	WIDTH (metres)	ORIGIN	LAND BENEFITED/IN FAVOUR OF
E-1	DRAINAGE	SEE DIAG	THIS PLAN	HUME CITY COUNCIL
E-2	SEWERAGE	SEE DIAG	THIS PLAN	YARRA VALLEY WATER CORPORATION
E-3 E-3	DRAINAGE SEWERAGE	SEE DIAG SEE DIAG	THIS PLAN THIS PLAN	HUME CITY COUNCIL YARRA VALLEY WATER CORPORATION
E-5	*SUPPORT	0.50	THIS PLAN	THE RELEVANT ABUTTING LOTS ON THIS PLAN
E-6 E-6	*SUPPORT DRAINAGE	0.50 0.50	THIS PLAN THIS PLAN	THE RELEVANT ABUTTING LOTS ON THIS PLAN HUME CITY COUNCIL
E-8 E-8 E-8	*SUPPORT DRAINAGE SEWERAGE	0.50 0.50 0.50	THIS PLAN THIS PLAN THIS PLAN	THE RELEVANT ABUTTING LOTS ON THIS PLAN HUME CITY COUNCIL YARRA VALLEY WATER CORPORATION
E-10	*SUPPORT	0.50	THIS PLAN	VOL FOL (LOT H ON PS905702W)
E-12 E-12	*SUPPORT SEWERAGE	0.50 0.50	THIS PLAN THIS PLAN	VOL FOL (LOT H ON PS905702W) YARRA VALLEY WATER CORPORATION
E-17 E-17 E-17	*SUPPORT DRAINAGE SEWERAGE	0.50 0.50 0.50	THIS PLAN THIS PLAN THIS PLAN	VOL FOL (LOT E ON PS905702W) HUME CITY COUNCIL YARRA VALLEY WATER CORPORATION
E-18	*SUPPORT	0.50	SECTION 98 TLA 1958 PS905608N	THE RELEVANT ABUTTING LOTS ON PS905608N
A-1	*SUPPORT	0.50	SECTION 98 TLA 1958 THIS PLAN	THE RELEVANT ABUTTING LOTS ON THIS PLAN
A-2	*SUPPORT	0.50	PS905608N	THE RELEVANT ABUTTING LOTS ON THIS PLAN

**CLOVERTON - 328**

**DP3b**

**LICENSED SURVEYOR GREGORY STUART WILLIAMS**

**100 LOTS**

**DATE** 14/03/23 **REFERENCE** 331637-ST328

**VERSION** D **DRAWING** 331637-ST328-AD

**ORIGINAL SHEET SIZE A3**

**SHEET 1 OF 7 SHEETS**

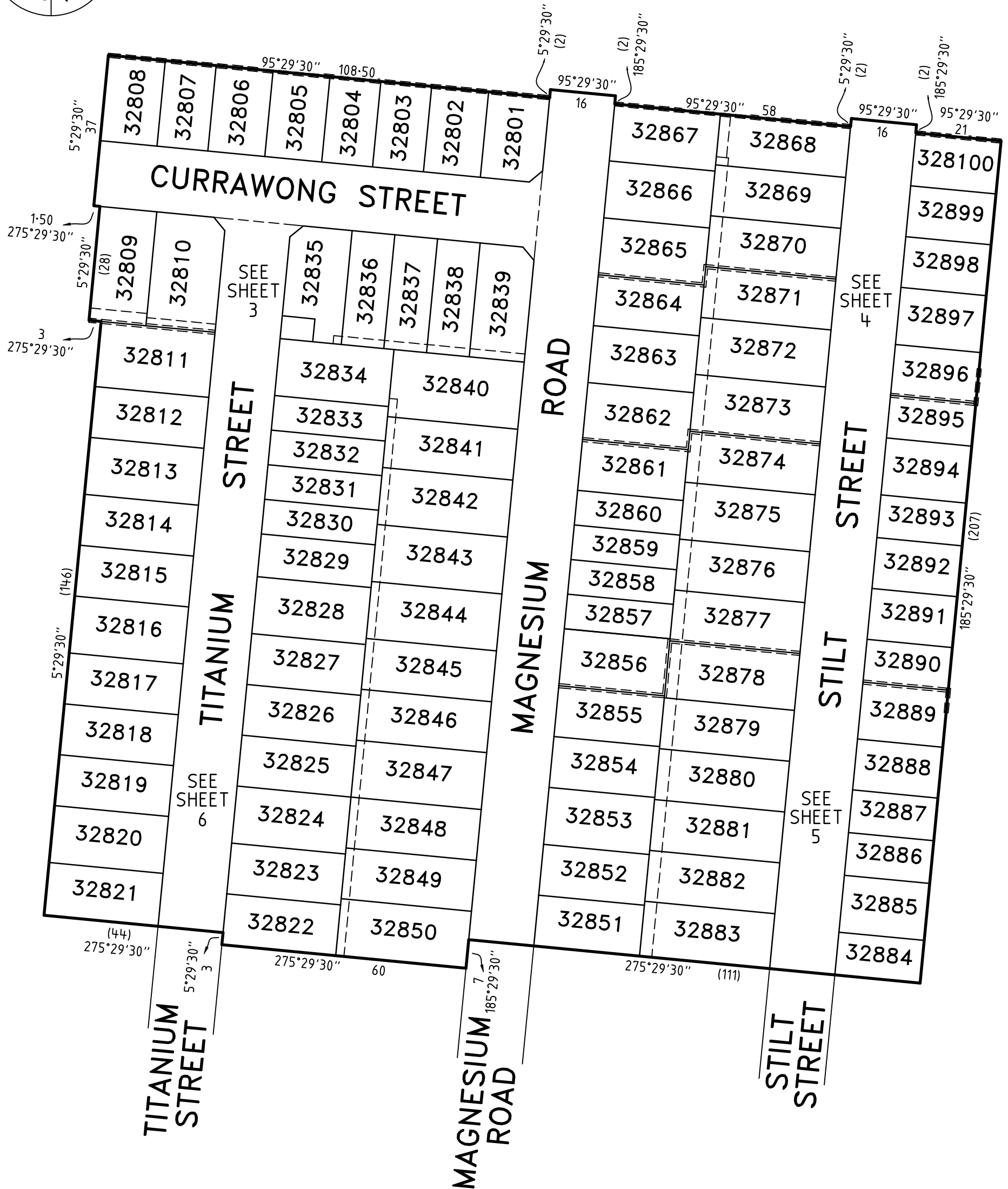
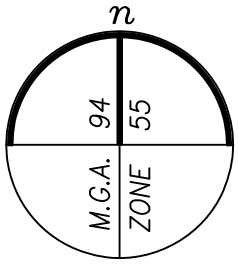


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 14/03/2023, SPEAR Ref: S200025E

# PLAN OF SUBDIVISION

PS 905616P

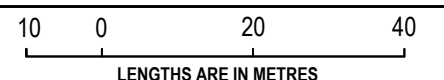


CLOVERTON - 328

DP3b

LICENSED SURVEYOR GREGORY STUART WILLIAMS

SCALE 1:1000



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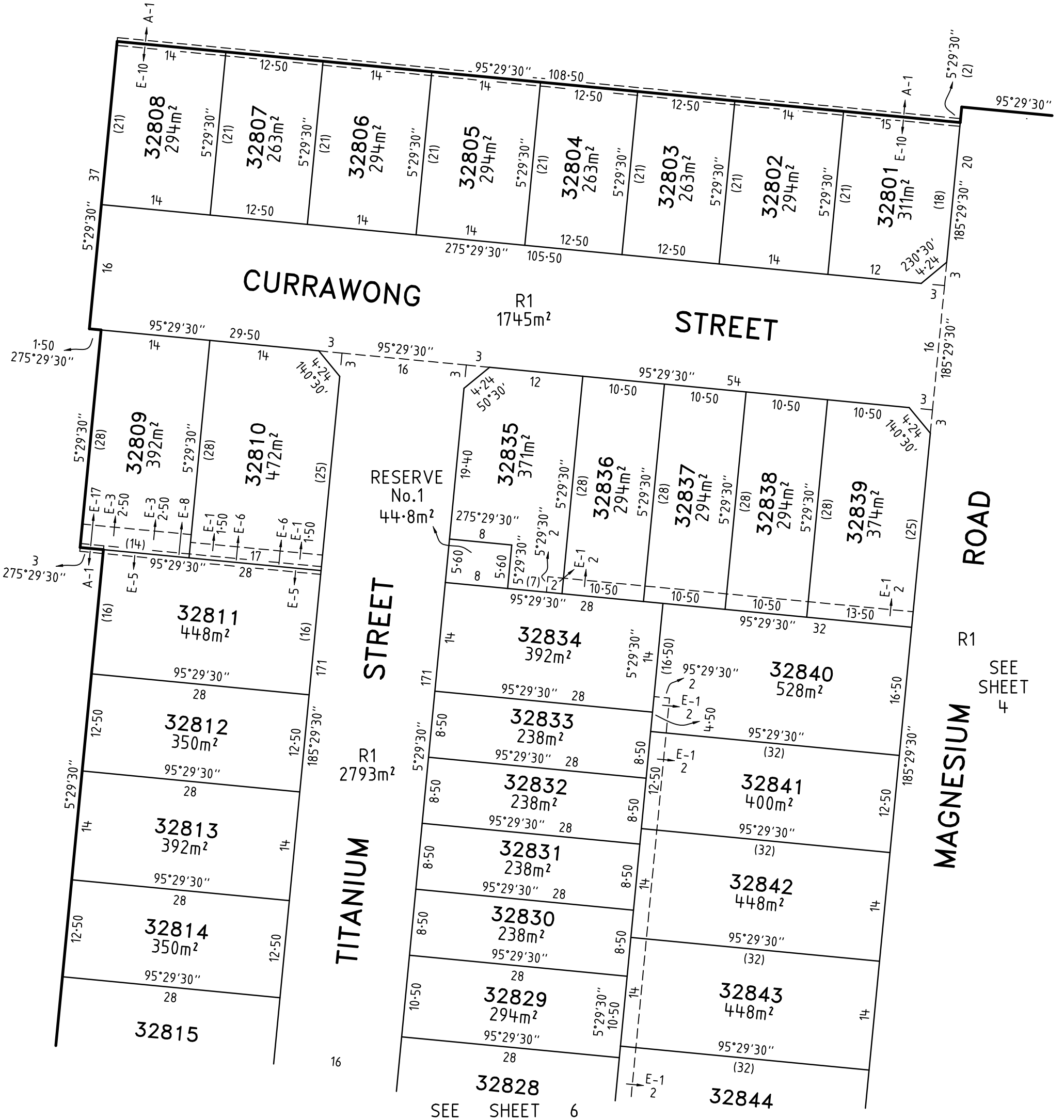
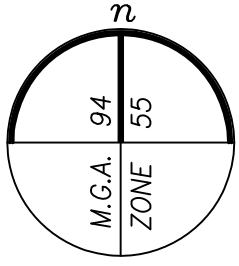
ORIGINAL SHEET SIZE A3

SHEET 2

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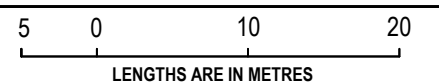


CLOVERTON - 328

DP3b

LICENSED SURVEYOR GREGORY STUART WILLIAMS

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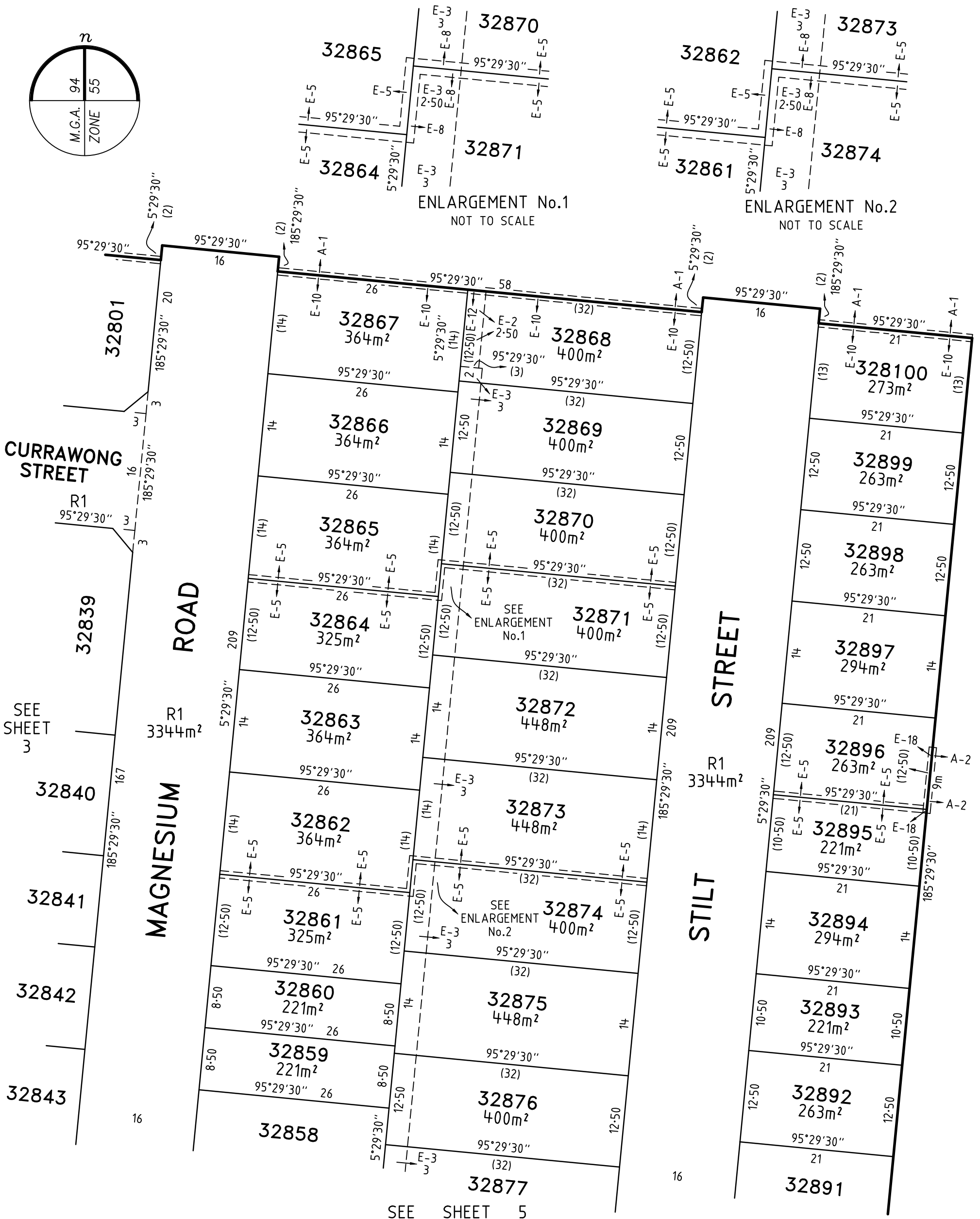
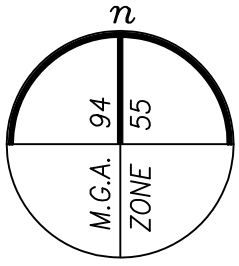
ORIGINAL SHEET SIZE A3

SHEET 3

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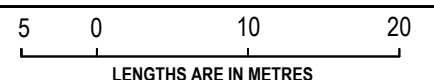


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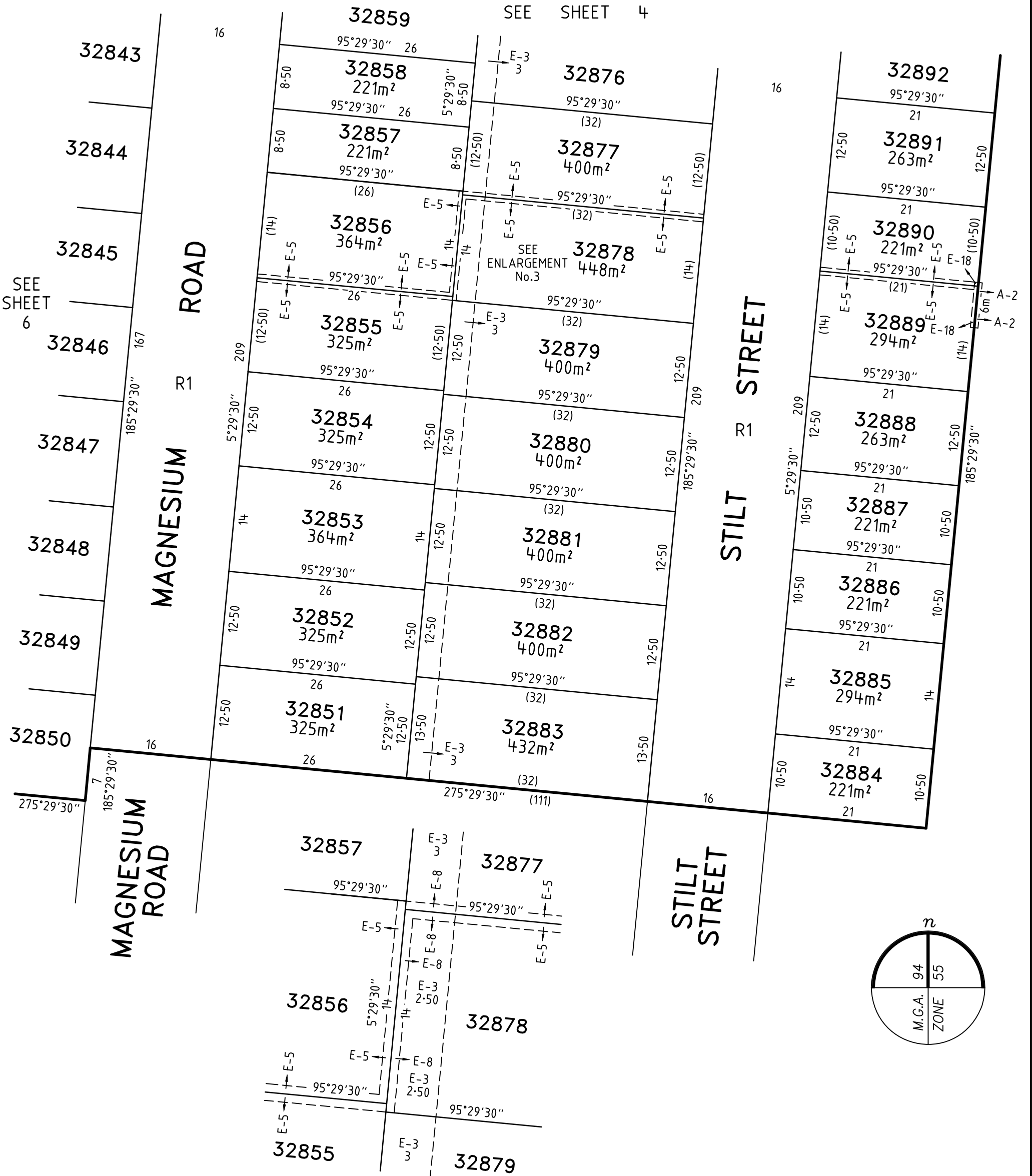
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SHEET 4

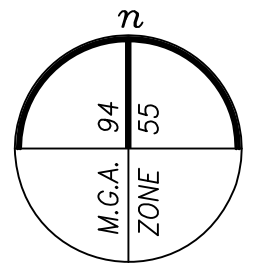
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ENLARGEMENT No.3  
NOT TO SCALE

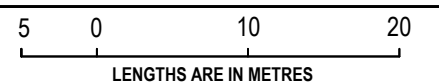


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LICENSED SURVEYOR GREGORY STUART WILLIAMS

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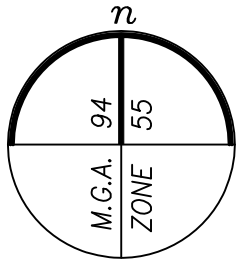
ORIGINAL SHEET SIZE A3

SHEET 5

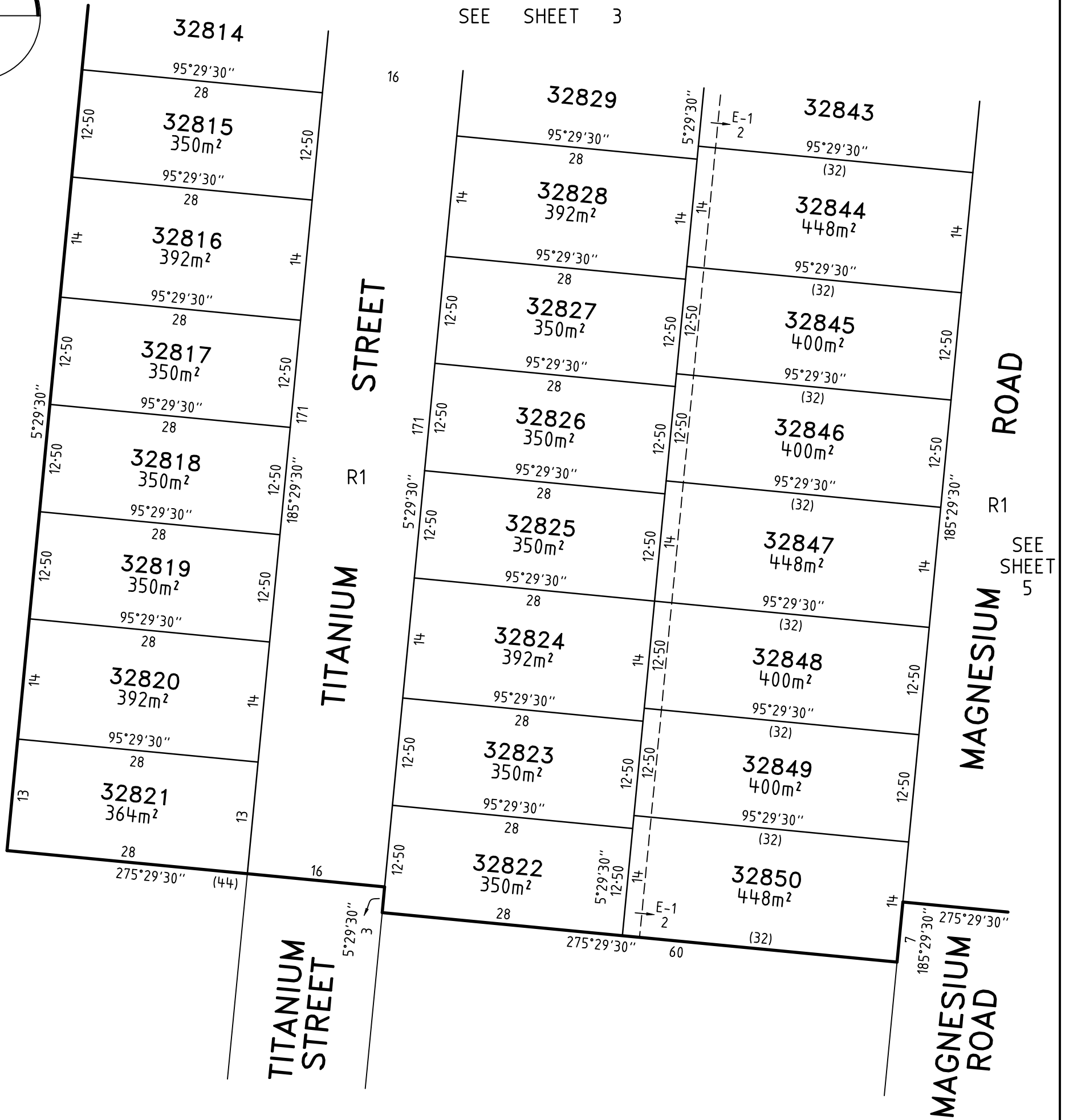
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# PLAN OF SUBDIVISION

PS 905616P



SEE SHEET 3

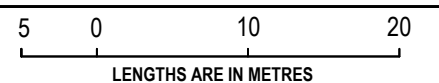


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DP3b

LICENSED SURVEYOR GREGORY STUART WILLIAMS

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ORIGINAL SHEET SIZE A3  
SHEET 6

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# PLAN OF SUBDIVISION

**PS 905616P**

## CREATION OF RESTRICTION 'A'

THE REGISTERED PROPRIETORS OF THE BURDENED LAND COVENANT WITH THE REGISTERED PROPRIETORS OF THE BENEFITED LAND AS SET OUT IN THE RESTRICTION WITH THE INTENT THAT THE BURDEN OF THE RESTRICTION RUNS WITH AND BINDS THE BURDENED LAND AND THE BENEFIT OF THE RESTRICTION IS ANNEXED TO AND RUNS WITH THE BENEFITED LAND.

TABLE OF BURDENED AND BENEFITED LAND

BURDENED LOT No.	BENEFITING LOTS ON THIS PLAN
32801	32802
32809	32810, 32811
32810	32809, 32811
32811	32809, 32810, 32812
32812	32811, 32813
32813	32812, 32814
32814	32813, 32815
32815	32814, 32816
32816	32815, 32817
32817	32816, 32818
32818	32817, 32819
32819	32818, 32820
32820	32819, 32821
32821	32820
32822	32823, 32850
32823	32822, 32824, 32849, 32850
32824	32823, 32825, 32848, 32849
32825	32824, 32826, 32847
32826	32825, 32827, 32846, 32847
32827	32826, 32828, 32845, 32846
32828	32827, 32829, 32844, 32845
32834	32833, 32835, 32836, 32837, 32840

BURDENED LOT No.	BENEFITING LOTS ON THIS PLAN
32835	32834, 32836
32839	32838, 32840
32840	32833, 32834, 32837, 32838, 32839, 32841
32841	32832, 32833, 32840, 32842
32842	32830, 32831, 32832, 32841, 32843
32843	32829, 32830, 32842, 32844
32844	32828, 32829, 32843, 32845
32845	32827, 32828, 32844, 32846
32846	32826, 32827, 32845, 32847
32847	32825, 32826, 32846, 32848
32848	32824, 32847, 32849
32849	32823, 32824, 32848, 32850
32850	32822, 32823, 32849
32851	32852, 32883
32852	32851, 32853, 32882, 32883
32853	32852, 32854, 32880, 32881, 32882
32854	32853, 32855, 32879, 32880
32855	32854, 32856, 32878, 32879
32856	32855, 32857, 32877, 32878
32861	32860, 32862, 32874, 32875
32862	32861, 32863, 32873, 32874

BURDENED LOT No.	BENEFITING LOTS ON THIS PLAN
32863	32862, 32864, 32872, 32873
32864	32863, 32865, 32871, 32872
32865	32864, 32866, 32870, 32871
32866	32865, 32867, 32869, 32870
32867	32866, 32868, 32869
32868	32867, 32869
32869	32866, 32867, 32868, 32870
32870	32865, 32866, 32869, 32871
32871	32864, 32865, 32870, 32872
32872	32863, 32864, 32871, 32873
32873	32862, 32863, 32872, 32874
32874	32861, 32862, 32873, 32875
32875	32859, 32860, 32861, 32874, 32876
32876	32858, 32859, 32875, 32877
32877	32856, 32857, 32858, 32876, 32878
32878	32855, 32856, 32877, 32879
32879	32854, 32855, 32878, 32880
32880	32853, 32854, 32879, 32881
32881	32853, 32880, 32882
32882	32852, 32853, 32881, 32883
32883	32851, 32852, 32882

**RESTRICTION:**

THE BURDENED LAND CANNOT BE USED EXCEPT IN ACCORDANCE WITH THE PROVISIONS RECORDED IN MCP.....

EXPIRY DATE: 01/01/2029

## CREATION OF RESTRICTION 'B'

THE REGISTERED PROPRIETORS OF THE BURDENED LAND COVENANT WITH THE REGISTERED PROPRIETORS OF THE BENEFITED LAND AS SET OUT IN THE RESTRICTION WITH THE INTENT THAT THE BURDEN OF THE RESTRICTION RUNS WITH AND BINDS THE BURDENED LAND AND THE BENEFIT OF THE RESTRICTION IS ANNEXED TO AND RUNS WITH THE BENEFITED LAND.

TABLE OF BURDENED AND BENEFITED LAND

BURDENED LOT SUBJECT TO TYPE 'A' OF THE SMALL LOT HOUSING CODE	BENEFITING LOTS ON THIS PLAN
32802	32801, 32803
32803	32802, 32804
32804	32803, 32805
32805	32804, 32806
32806	32805, 32807
32807	32806, 32808
32808	32807
32829	32828, 32830, 32843, 32844
32830	32829, 32831, 32842, 32843
32831	32830, 32832, 32842
32832	32831, 32833, 32841, 32842
32833	32832, 32834, 32840, 32841

BURDENED LOT SUBJECT TO TYPE 'A' OF THE SMALL LOT HOUSING CODE	BENEFITING LOTS ON THIS PLAN
32836	32834, 32835, 32837
32837	32834, 32836, 32838, 32840
32838	32837, 32839, 32840
32857	32856, 32858, 32877
32858	32857, 32859, 32876, 32877
32859	32858, 32860, 32875, 32876
32860	32859, 32861, 32875
32884	32885
32885	32884, 32886
32886	32885, 32887
32887	32886, 32888
32888	32887, 32889

BURDENED LOT SUBJECT TO TYPE 'A' OF THE SMALL LOT HOUSING CODE	BENEFITING LOTS ON THIS PLAN
32889	32888, 32890
32890	32889, 32891
32891	32890, 32892
32892	32891, 32893
32893	32892, 32894
32894	32893, 32895
32895	32894, 32896
32896	32895, 32897
32897	32896, 32898
32898	32897, 32899
32899	32898, 328100
328100	32899

**RESTRICTION:**

THE REGISTERED PROPRIETOR OR PROPRIETORS FOR THE TIME BEING OF ANY BURDENED LOT ON THIS PLAN

- MUST NOT BUILD OR PERMIT TO BE BUILT OR REMAIN ON THE LOT ANY BUILDING OR STRUCTURE THAT HAS NOT BEEN CONSTRUCTED IN ACCORDANCE WITH LOT TYPE 'A' OF THE SMALL LOT HOUSING CODE UNLESS A SPECIFIC PLANNING PERMIT FOR THE SAID DWELLING HAS BEEN OBTAINED FROM THE RESPONSIBLE AUTHORITY.
- SHALL NOT ERECT ANY BUILDINGS ON THE LOT UNLESS THE PLANS FOR SUCH BUILDINGS ARE ENDORSED BY STOCKLAND DEVELOPMENT PTY LTD PRIOR TO THE ISSUE OF THE BUILDING PERMIT, THE REQUIREMENT FOR SUCH ENDORSEMENT CEASING TO HAVE EFFECT ON THE LOT ONE YEAR AFTER AN OCCUPANCY PERMIT UNDER THE BUILDING ACT 1993 IS ISSUED FOR THE WHOLE OF THE DWELLING ON THAT LOT.

EXPIRY DATE: 01/01/2029

**CLOVERTON - 328**

**DP3b**

LICENSED SURVEYOR **GREGORY STUART WILLIAMS**

SCALE



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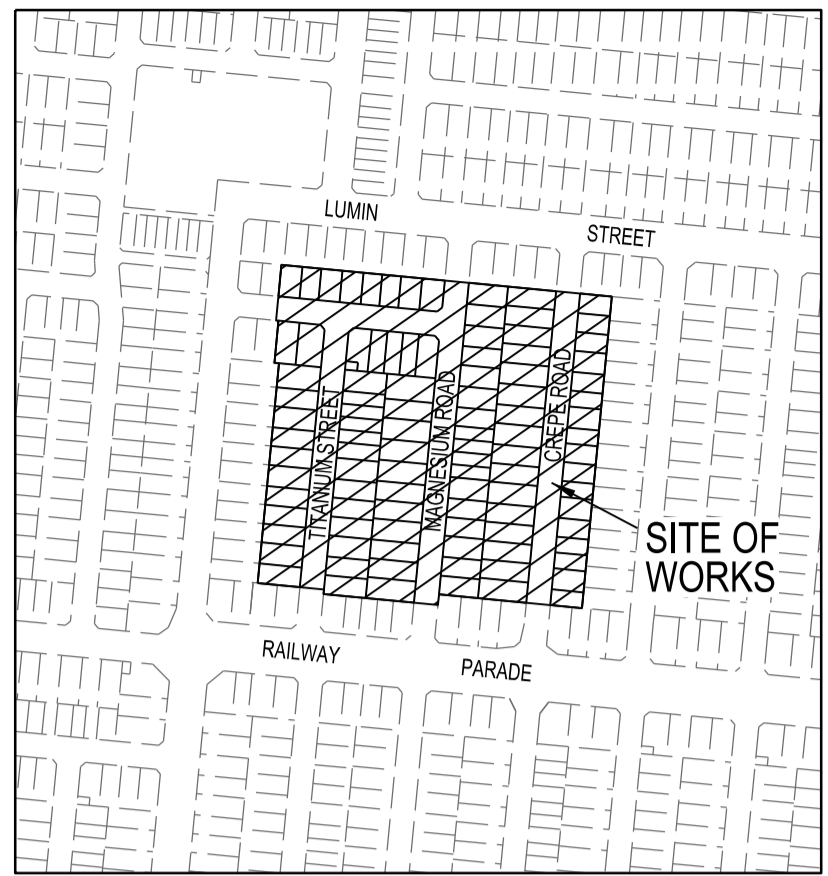
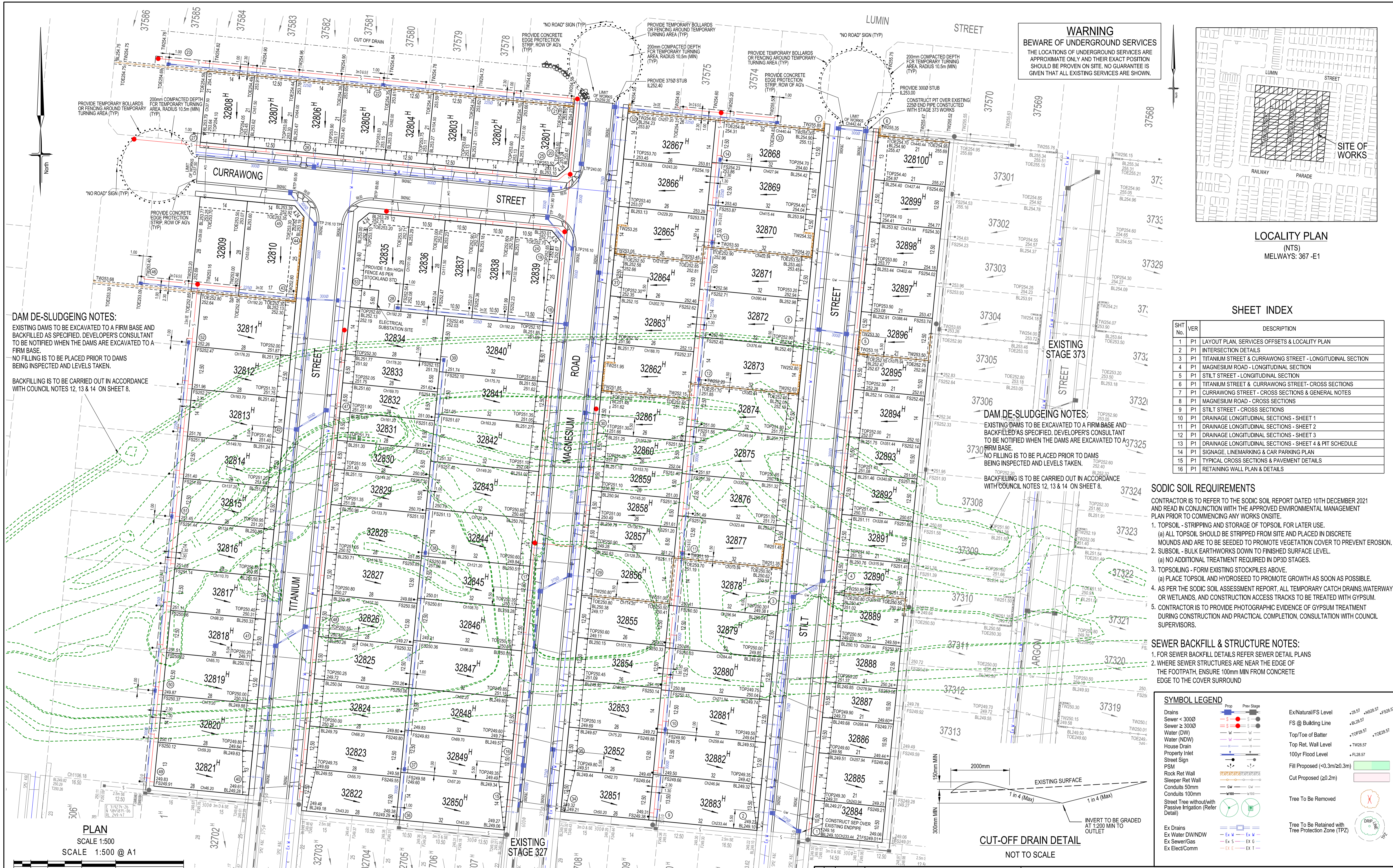
VERSION D

DRAWING 331637-ST328-AD

ORIGINAL SHEET SIZE A3

SHEET 7

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LOCALITY PLAN (NTS)  
MELWAYS: 367-E1

SHEET INDEX

SHT No.	VER	DESCRIPTION
1	P1	LAYOUT PLAN, SERVICES OFFSETS & LOCALITY PLAN
2	P1	INTERSECTION DETAILS
3	P1	TITANIUM STREET & CURRAWONG STREET - LONGITUDINAL SECTION
4	P1	MAGNESIUM ROAD - LONGITUDINAL SECTION
5	P1	STILT STREET - LONGITUDINAL SECTION
6	P1	TITANIUM STREET & CURRAWONG STREET - CROSS SECTIONS
7	P1	CURRAWONG STREET - CROSS SECTIONS & GENERAL NOTES
8	P1	MAGNESIUM ROAD - CROSS SECTIONS
9	P1	STILT STREET - CROSS SECTIONS
10	P1	DRAINAGE LONGITUDINAL SECTIONS - SHEET 1
11	P1	DRAINAGE LONGITUDINAL SECTIONS - SHEET 2
12	P1	DRAINAGE LONGITUDINAL SECTIONS - SHEET 3
13	P1	DRAINAGE LONGITUDINAL SECTIONS - SHEET 4 & PIT SCHEDULE
14	P1	SIGNAGE, LINEMARKING & CAR PARKING PLAN
15	P1	TYPICAL CROSS SECTIONS & PAVEMENT DETAILS
16	P1	RETAINING WALL PLAN & DETAILS

**SODIC SOIL REQUIREMENTS**  
CONTRACTOR IS TO REFER TO THE SODIC SOIL REPORT DATED 10TH DECEMBER 2021 AND READ IN CONJUNCTION WITH THE APPROVED ENVIRONMENTAL MANAGEMENT PLAN PRIOR TO COMMENCING ANY WORKS ON SITE.

- TOPSOIL - STRIPPING AND STORAGE OF TOPSOIL FOR LATER USE.  
(a) ALL TOPSOIL SHOULD BE STRIPPED FROM SITE AND PLACED IN DISCRETE MOUNDS AND ARE TO BE SEED TO PROMOTE VEGETATION COVER TO PREVENT EROSION.
- SUBSOIL - BULK EARTHWORKS DOWN TO FINISHED SURFACE LEVEL.  
(a) NO ADDITIONAL TREATMENT REQUIRED IN DP30 STAGES.
- TOPSOILING - FORM EXISTING STOCKPILES ABOVE.  
(a) PLACE TOPSOIL AND HYDROSEED TO PROMOTE GROWTH AS SOON AS POSSIBLE.
- AS PER THE SODIC SOIL ASSESSMENT REPORT, ALL TEMPORARY CATCH DRAINS, WATERWAYS OR WETLANDS, AND CONSTRUCTION ACCESS TRACKS TO BE TREATED WITH GYPSUM.
- CONTRACTOR IS TO PROVIDE PHOTOGRAPHIC EVIDENCE OF GYPSUM TREATMENT DURING CONSTRUCTION AND PRACTICAL COMPLETION. CONSULTATION WITH COUNCIL SUPERVISORS.

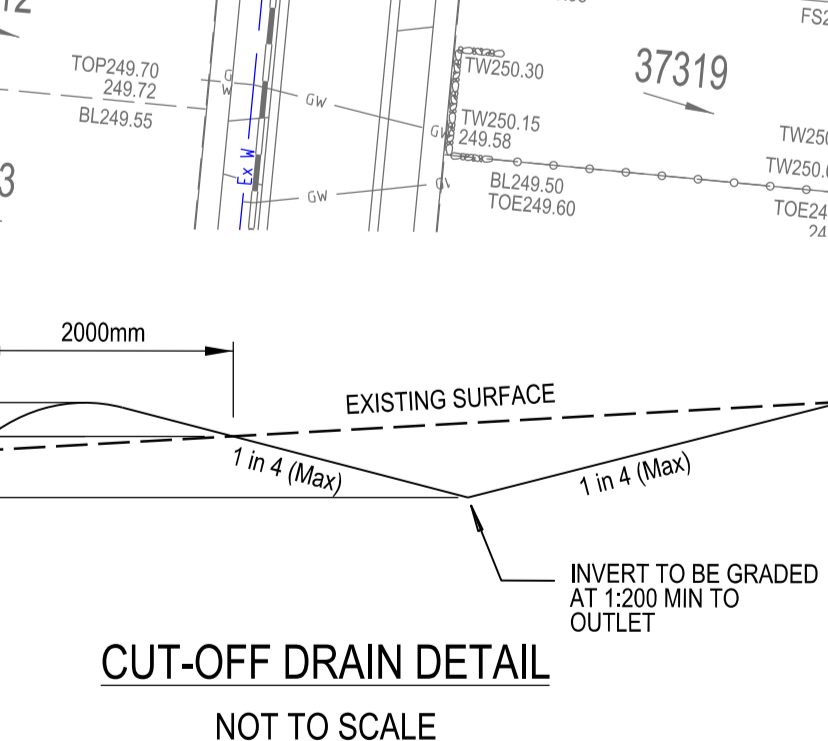
**SEWER BACKFILL & STRUCTURE NOTES:**  
1. FOR SEWER BACKFILL DETAILS REFER SEWER DETAIL PLANS  
2. WHERE SEWER STRUCTURES ARE NEAR THE EDGE OF THE FOOTPATH, ENSURE 100mm MIN FROM CONCRETE EDGE TO THE COVER SURROUND

**SYMBOL LEGEND**

Drains	Prop	Prev Stage	Ex/Natural/FS Level	+28.57	+28.08	+28.07
Sewer < 3000	—	—	FS @ Building Line	+28.28	—	—
Sewer ≥ 3000	—	—	Top/Toe of Batter	+28.27	+28.27	+28.27
Water (DW)	—	—	Top Ret. Wall Level	+28.27	—	—
Water (NDW)	—	—	100yr Flood Level	+28.27	—	—
House Drain	—	—	Fill Proposed (<0.3m/20.3m)	—	—	—
Property Inlet	—	—	Cut Proposed (≥0.2m)	—	—	—
Street Sign	—	—	Tree To Be Removed	—	—	—
PSM	—	—	Tree To Be Retained with Tree Protection Zone (TPZ)	—	—	—
Rock Ret Wall	—	—	—	—	—	—
Sloper Ret Wall	—	—	—	—	—	—
Conduits 50mm	—	—	—	—	—	—
Conduits 100mm	—	—	—	—	—	—
Street Tree without/with Passive Irrigation (Refer Detail)	—	—	—	—	—	—
Ex Drains	—	—	—	—	—	—
Ex Water/DW/NDW	—	—	—	—	—	—
Ex Sewer/Gas	—	—	—	—	—	—
Ex Elect/Comm	—	—	—	—	—	—

**DAM DE-SLUDGING NOTES:**  
EXISTING DAMS TO BE EXCAVATED TO A FIRM BASE AND BACKFILLED AS SPECIFIED. DEVELOPER'S CONSULTANT TO BE NOTIFIED WHEN THE DAMS 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 IN ACCORDANCE WITH COUNCIL NOTES 12, 13 & 14 ON SHEET 8.

**DAM DE-SLUDGING NOTES:**  
EXISTING DAMS TO BE EXCAVATED TO A FIRM BASE AND BACKFILLED AS SPECIFIED. DEVELOPER'S CONSULTANT TO BE NOTIFIED WHEN THE DAMS 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 IN ACCORDANCE WITH COUNCIL NOTES 12, 13 & 14 ON SHEET 8.



PLAN  
SCALE 1:500  
SCALE 1:500 @ A1  
LENGTHS ARE IN METRES

**SERVICES OFFSETS AND LOCATIONS**

Location	Gas	Water		Telecommunications		Electricity		BOK	Road Width	Joint Trenching	Street Classification
		NDW	DW	Cables	Pits	Cables	Poles				
TITANIUM STREET	2.10 E	2.50 E	3.00 E	1.85 W	1.85 W	2.20 W	1.00 BOK	3.90 W 4.20 E	16.00	G NDW DW & E NBN	ACCESS STREET LVL 1
CURRAWONG STREET	2.10 N	2.50 N	3.00 N	1.85 S	1.85 S	2.20 S	1.00 BOK	3.90 S 4.20 N	16.00	G NDW DW & E NBN	ACCESS STREET LVL 1
MAGNESIUM ROAD	2.10 E	2.50 E	3.00 E	1.85 W	1.85 W	2.20 W	1.00 BOK	3.90 W 4.20 E	16.00	G NDW DW & E NBN	ACCESS STREET LVL 1
STILT STREET	2.10 W	2.50 W	3.00 W	1.85 E	1.85 E	2.20 E	1.00 BOK	3.90 E 4.20 W	16.00	G NDW DW & E NBN	ACCESS STREET LVL 1

**ATTENTION TO CONTRACTOR**

- IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT THE DIGITAL PLAN, PROVIDED FOR SETOUT PURPOSES, MATCHES THE TBM COORDINATES SHOWN.
- Contractor to ensure that the site is pegged and/or set out checked by the licenced surveyor responsible for certifying the Plan of Subdivision prior to underground infrastructure being installed.
- 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.

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

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

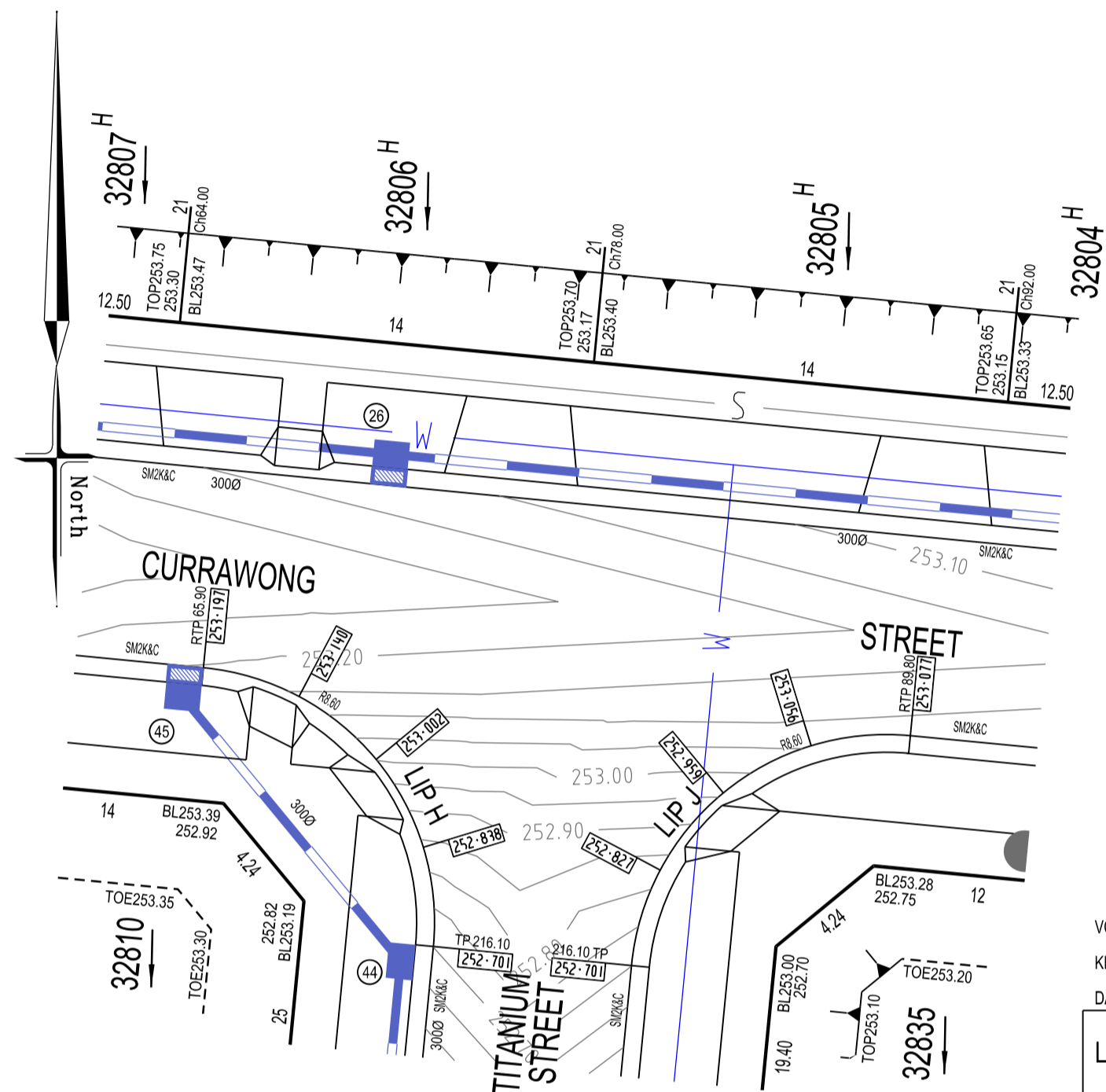
**CLOVERTON ESTATE STAGE 328**  
LAYOUT PLAN AND DETAILS

MELWAY REF. 367-F-3  
SURVEY VERIS  
DESIGN R.W.  
DRAWN D.W.  
CHECKED A.K.SCALE AS SHOWN  
DATUM AHD  
DATE AUG '22  
SHEET 1 OF 16  
P1



VC LENGTH	3.65% 3.65% 5.27% 0.50% 0.50%				
KERB GRADING	6.75m V.C. 6.75m V.C.				
DATUM 251.5					
LIP OF KERB	252.518	252.701	252.888	253.002	253.222
LIP CHAINAGE	-5.000	0.000	3.377	6.754	10.132

LIP LINE H

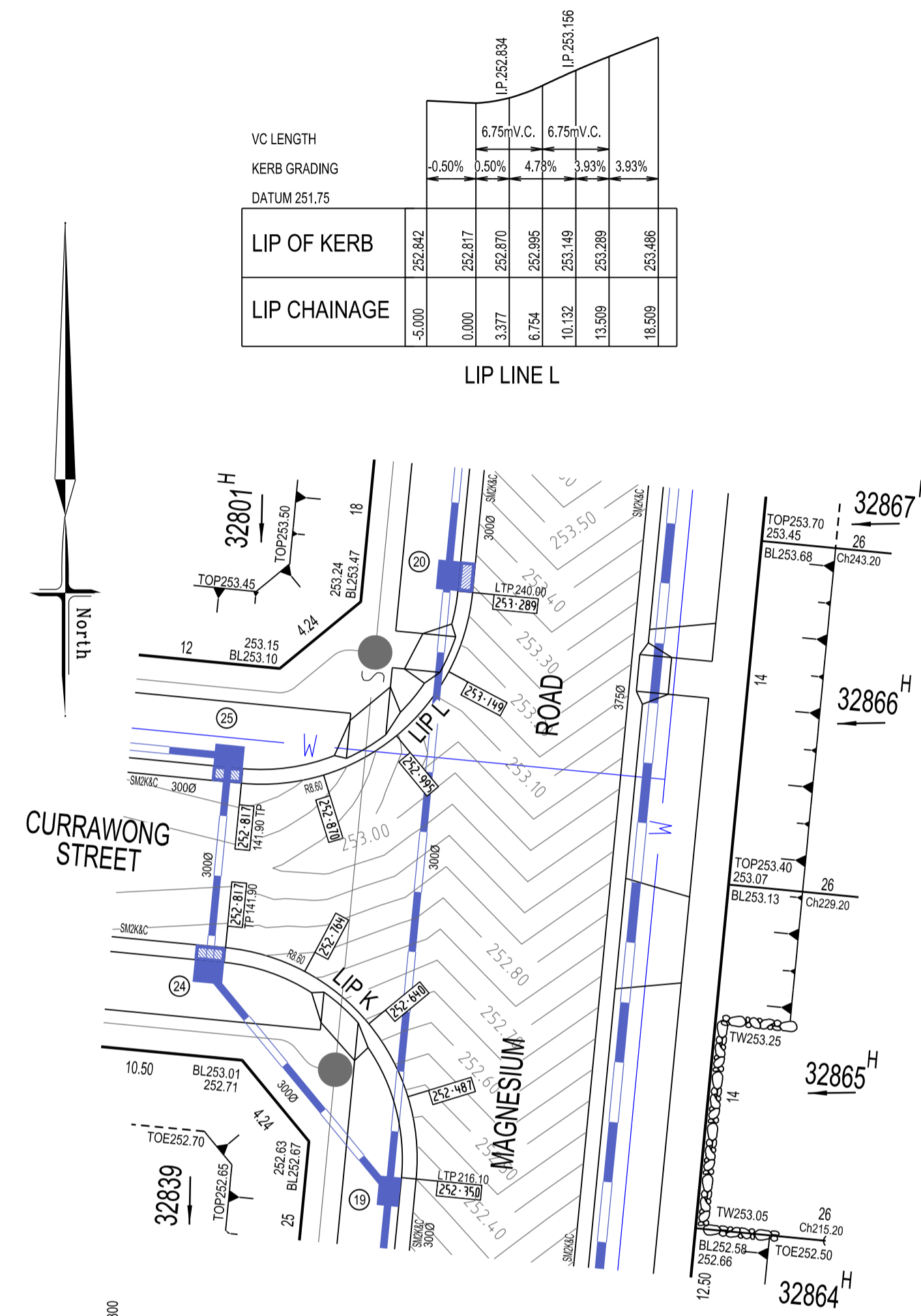


VC LENGTH	0.50% 0.50% -4.00% -3.65% -3.65%				
KERB GRADING	6.75m V.C. 6.75m V.C.				
DATUM 251.5					
LIP OF KERB	253.052	253.077	253.079	252.959	252.701
LIP CHAINAGE	-5.000	0.000	0.351	3.377	6.754

LIP LINE J

VC LENGTH	6.75m V.C. 6.75m V.C.				
KERB GRADING	-0.50% 0.50% 4.78% 3.93% 3.93%				
DATUM 251.75					
LIP OF KERB	252.842	252.817	252.870	252.895	253.149
LIP CHAINAGE	-5.000	0.000	3.377	6.754	10.132

LIP LINE L

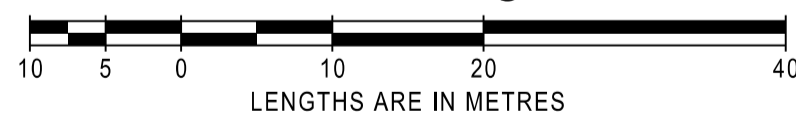


VC LENGTH	3.63% 3.63% 4.74% 0.50% 0.50%				
KERB GRADING	6.75m V.C. 6.75m V.C.				
DATUM 251					
LIP OF KERB	252.159	252.350	252.487	252.640	252.764
LIP CHAINAGE	-5.000	0.000	3.377	6.754	10.132

LIP LINE K

PLAN  
SCALE 1:200

SCALE 1:200 @ A1



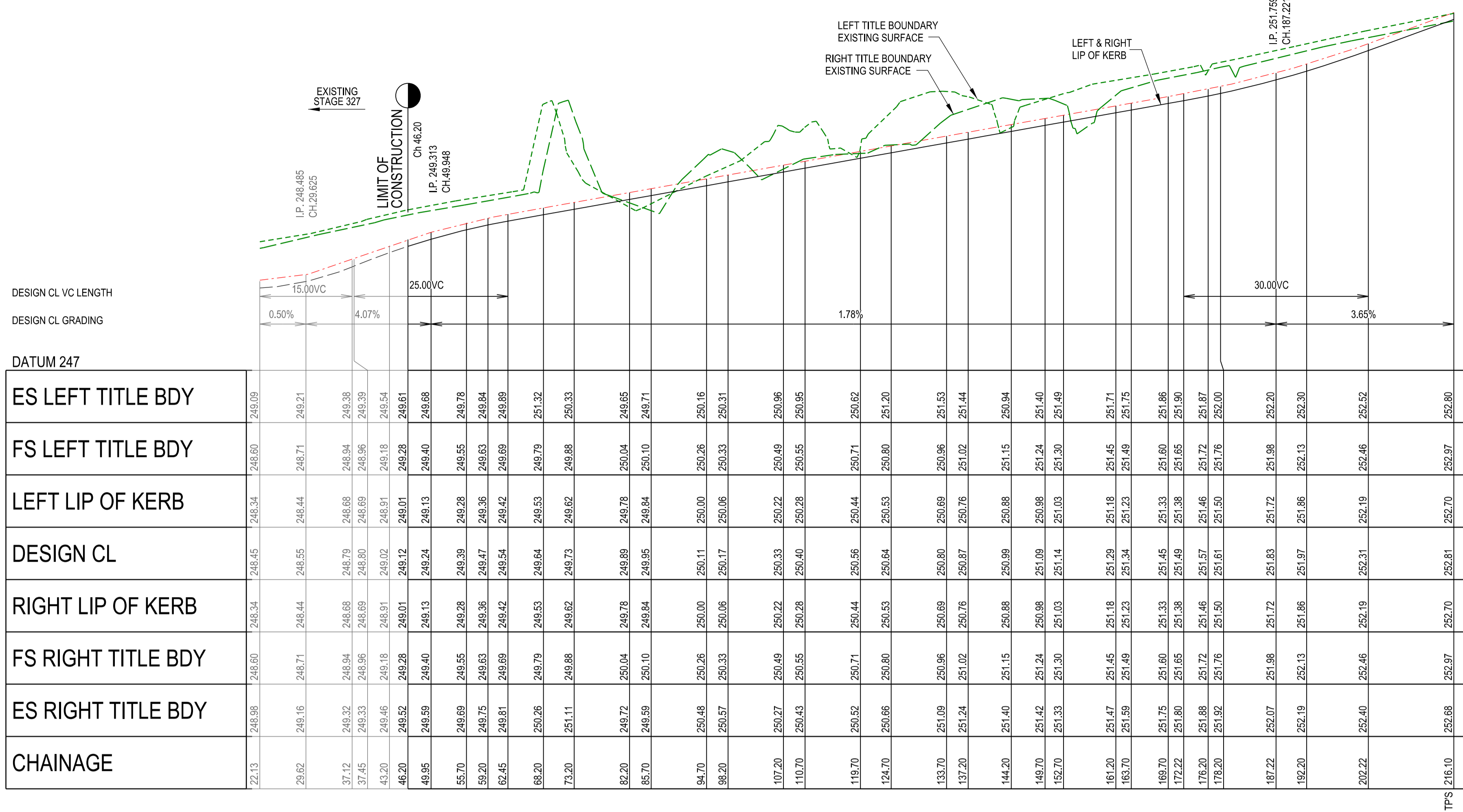
SYMBOL LEGEND	
Drains	Prop Prev Stage
Sewer < 3000	S S
Sewer ≥ 3000	S S
Water (DW)	W W
House Drain	W W
Property Inlet	W W
Street Sign	W W
PSM	W W
Rock Ret Wall	W W
Sleeper Ret Wall	W W
Conduits 50mm	W W
Conduits 100mm	W W
Street Tree without/with Passive Irrigation (Refer Detail)	W W
Ex Drains	W W
Ex Water/DW/DW	W W
Ex Sewer/Gas	W W
Ex Elect/Comm	W W
Ex/Natural/FS Level	• 28.57 • N28.57 • F28.57
FS @ Building Line	• BL28.57
Top/Toe of Batter	• TOP28.57 • TOE28.57
Top Ret. Wall Level	• TW28.57
100yr Flood Level	• FL28.57
Fill Proposed (<0.3m/≥0.3m)	■
Cut Proposed (≥0.2m)	■
Tree To Be Removed	⊗
Tree To Be Retained with Tree Protection Zone (TPZ)	⊙

ALL SETOUT DETAILS  
ARE PROVIDED  
AT LIP OF KERB

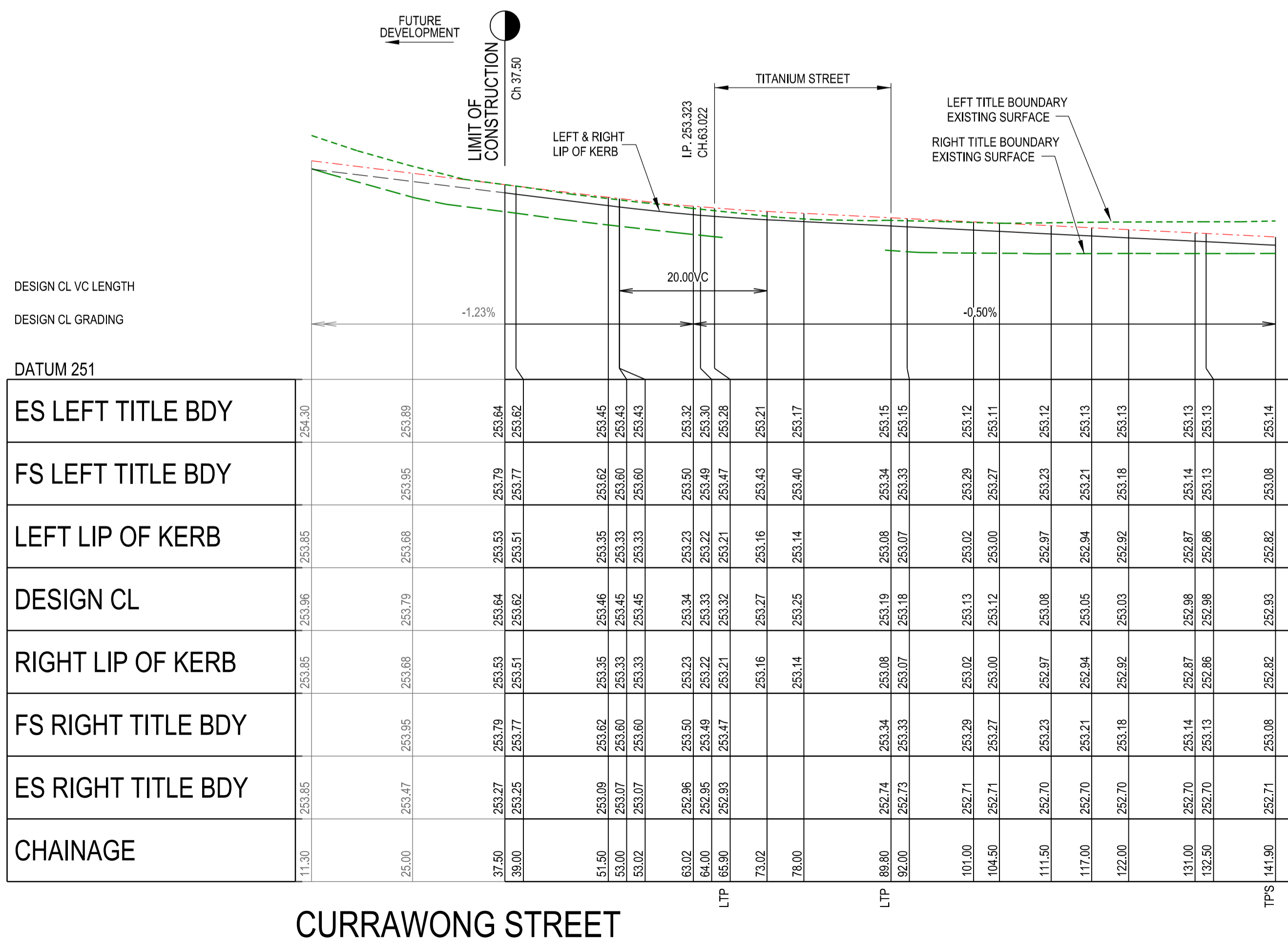
**WARNING**

BWARE 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.

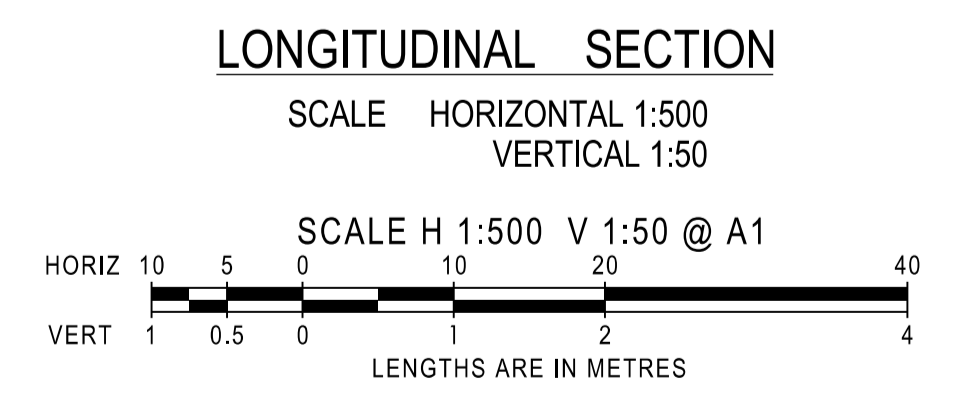
		<b>breese pitt dixon pty. ltd.</b> land surveyors civil engineers		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
MELWAY REF. 386-F-3 SURVEY VERIS DESIGN R.W. DRAWN D.W.		<b>CLOVERTON ESTATE STAGE 328 INTERSECTION DETAILS</b>		MUNICIPALITY <b>HUME</b> REFERENCE 8460 E/328	
AMENDMENTS	VER	DATE	REMARKS	CHECKED A.K.	SCALE AS SHOWN
					DATUM AHD
					DATE AUG'22
					SHEET 2 OF 16
					P1



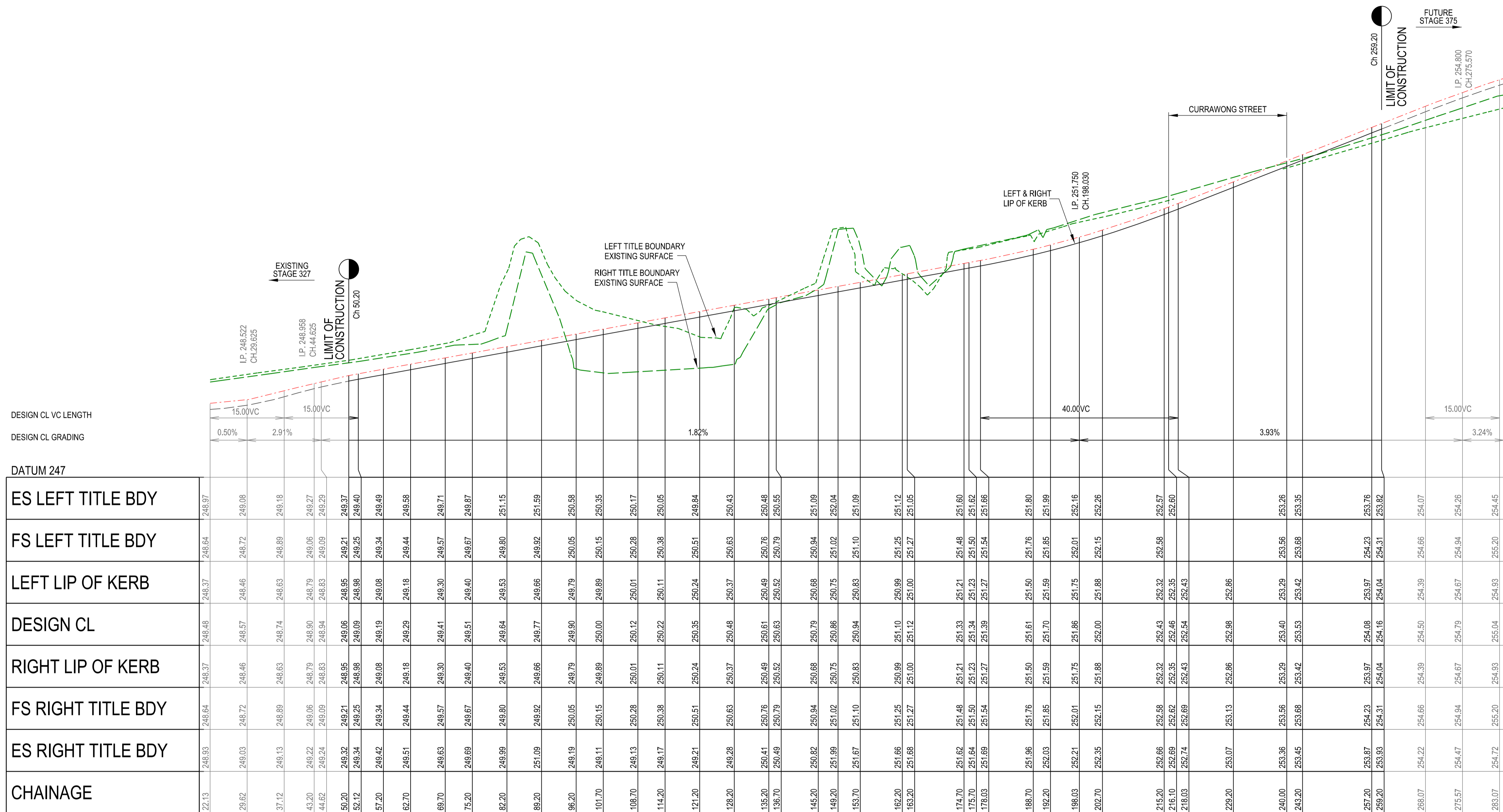
TITANIUM STREET



CURRAWONG STREET



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	MUNICIPALITY <b>HUME</b> REFERENCE <b>8460 E/328</b>							
	MELWAY REF.	386-F-3	<b>CLOVERTON ESTATE          STAGE 328          LONGITUDINAL SECTIONS</b>									
	SURVEY	VERIS										
	DESIGN	R.W.										
DRAWN	D.W.	CHECKED	A.K.	SCALE	AS SHOWN	DATUM	AHD	DATE	AUG'22	SHEET	3 OF 16	P1



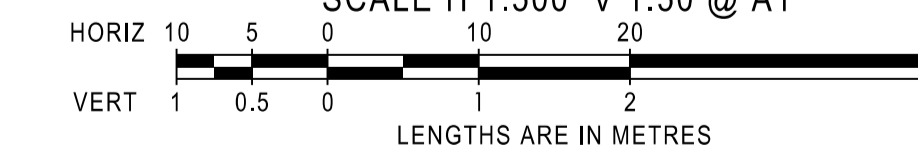
ES LEFT TITLE BDY	FS LEFT TITLE BDY	LEFT LIP OF KERB	DESIGN CL	RIGHT LIP OF KERB	FS RIGHT TITLE BDY	ES RIGHT TITLE BDY	CHAINAGE
248.97	248.64	248.37	248.48	248.37	248.64	248.93	22.13
249.08	248.72	248.46	248.57	248.46	248.72	249.03	29.62
249.18	248.89	248.63	248.74	248.63	248.89	249.13	37.12
249.27	249.06	248.79	248.90	248.79	249.06	249.22	43.20
249.29	249.09	248.83	248.94	248.83	249.09	249.24	44.62
249.37	249.21	248.95	249.06	248.95	249.21	249.32	50.20
249.40	249.25	248.98	249.09	248.98	249.25	249.34	52.12
249.49	249.34	249.08	249.19	249.08	249.34	249.42	57.20
249.58	249.44	249.18	249.29	249.18	249.44	249.51	62.70
249.71	249.57	249.30	249.41	249.30	249.57	249.63	69.70
249.87	249.67	249.40	249.51	249.40	249.67	249.69	75.20
251.15	249.80	249.53	249.64	249.53	249.80	249.99	82.20
251.59	249.92	249.66	249.77	249.66	249.92	251.09	89.20
250.58	250.05	249.79	249.90	249.79	250.05	249.19	96.20
250.35	250.15	249.89	250.00	249.89	250.15	249.11	101.70
250.17	250.28	250.01	250.12	250.01	250.28	249.13	108.70
250.05	250.38	250.11	250.22	250.11	250.38	249.17	114.20
249.94	250.51	250.24	250.35	250.24	250.51	249.21	121.20
250.43	250.63	250.37	250.48	250.37	250.63	249.28	128.20
250.48	250.76	250.49	250.61	250.49	250.76	250.41	135.20
250.55	250.79	250.52	250.63	250.52	250.79	250.49	136.70
251.09	250.94	250.68	250.79	250.68	250.94	250.82	145.20
252.04	251.02	250.75	250.86	250.75	251.02	251.39	149.20
251.09	251.10	250.83	250.94	250.83	251.10	251.67	153.70
251.05	251.25	250.99	251.10	250.99	251.25	251.68	162.20
251.95	251.27	251.00	251.12	251.00	251.27	251.68	163.20
251.60	251.21	251.21	251.33	251.21	251.48	251.62	174.70
251.66	251.23	251.23	251.34	251.23	251.50	251.64	175.70
251.66	251.27	251.27	251.39	251.27	251.54	251.69	178.03
251.80	251.50	251.50	251.61	251.50	251.76	251.66	188.70
251.99	251.59	251.59	251.70	251.59	251.85	252.03	192.20
252.16	251.75	251.75	251.86	251.75	252.01	252.21	198.03
252.26	251.88	251.88	252.00	251.88	252.15	252.35	202.70
252.57	252.32	252.32	252.43	252.32	252.58	252.66	215.20
252.60	252.35	252.35	252.46	252.35	252.62	252.69	216.10
	252.43	252.43	252.54	252.43	252.69	252.74	218.03
	252.86	252.86	252.98	252.86	253.13	253.07	229.20
253.26	253.29	253.29	253.40	253.29	253.56	253.36	240.00
253.35	253.42	253.42	253.53	253.42	253.68	253.45	243.20
	254.23	254.23	254.08	254.08	253.97	253.87	257.20
253.82	254.31	254.31	254.16	254.16	254.04	253.93	259.20
254.07	254.66	254.66	254.50	254.66	254.39	254.22	268.07
254.26	254.94	254.94	254.79	254.94	254.67	254.47	275.57
254.45	255.20	255.20	255.04	255.20	254.93	254.72	283.07
254.47	255.22	255.22	255.07	255.22	254.96	254.73	283.90


MAGNESIUM ROAD

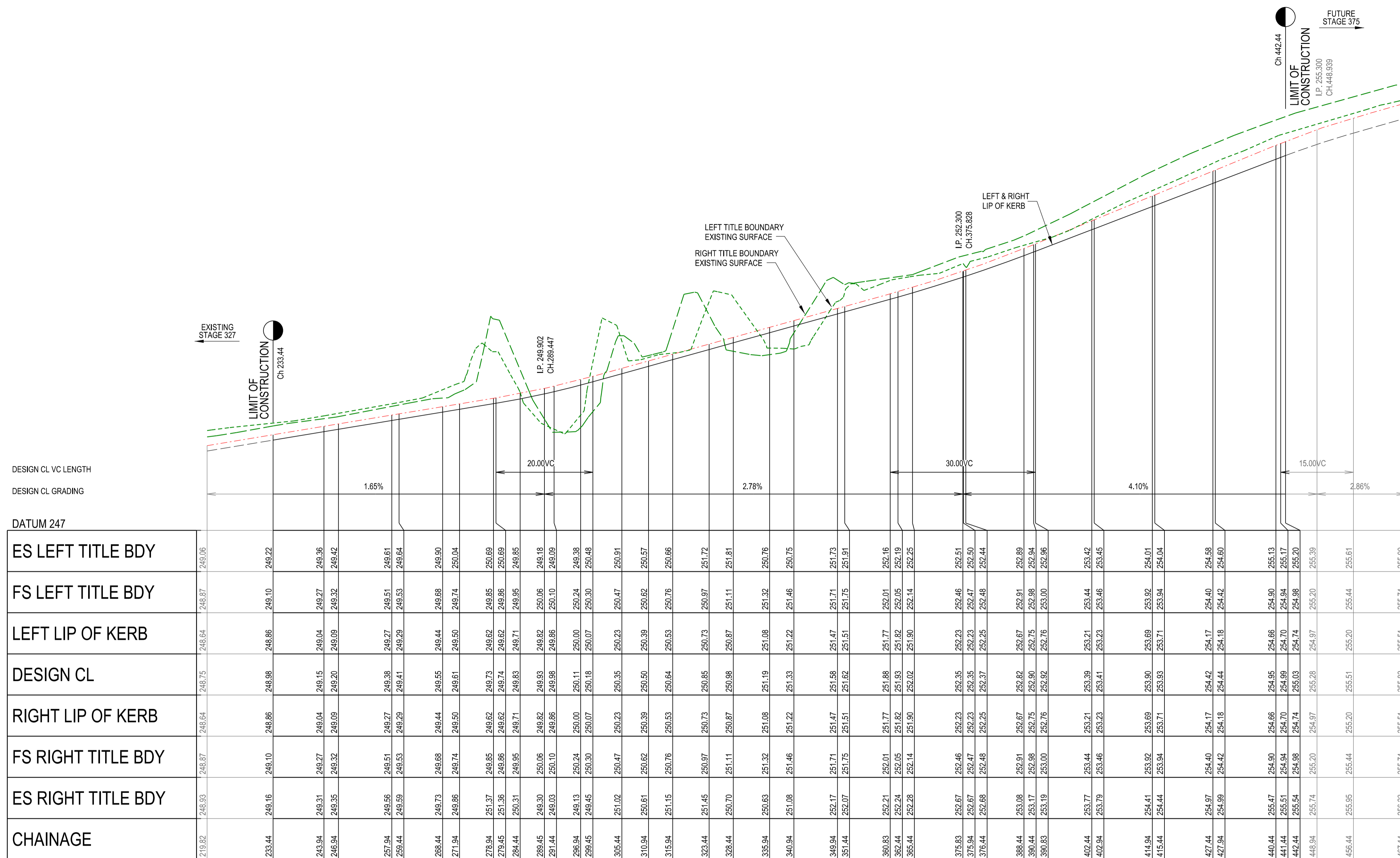
LONGITUDINAL SECTION

SCALE HORIZONTAL 1:50  
VERTICAL 1:50

SCALE H 1:500 V 1:50 @ A1



		 <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				
AMENDMENTS		MELWAY REF. 386-F-3	<b>CLOVERTON ESTATE STAGE 328 LONGITUDINAL SECTIONS</b>		MUNICIPALITY <b>HUME</b>			
		SURVEY VERIS			REFERENCE <b>8460<sup>E</sup>/328</b>			
		DESIGN R.W.						
		DRAWN D.W.						
VER	DATE	REMARKS	CHECKED A.K.	SCALE AS SHOWN	DATUM AHD	DATE AUG'22	SHEET 4 OF 16	P1

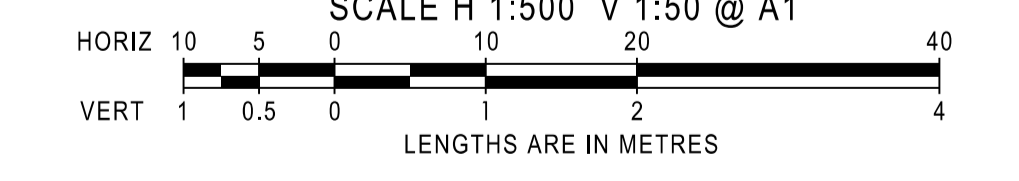


STILT STREET

LONGITUDINAL SECTION

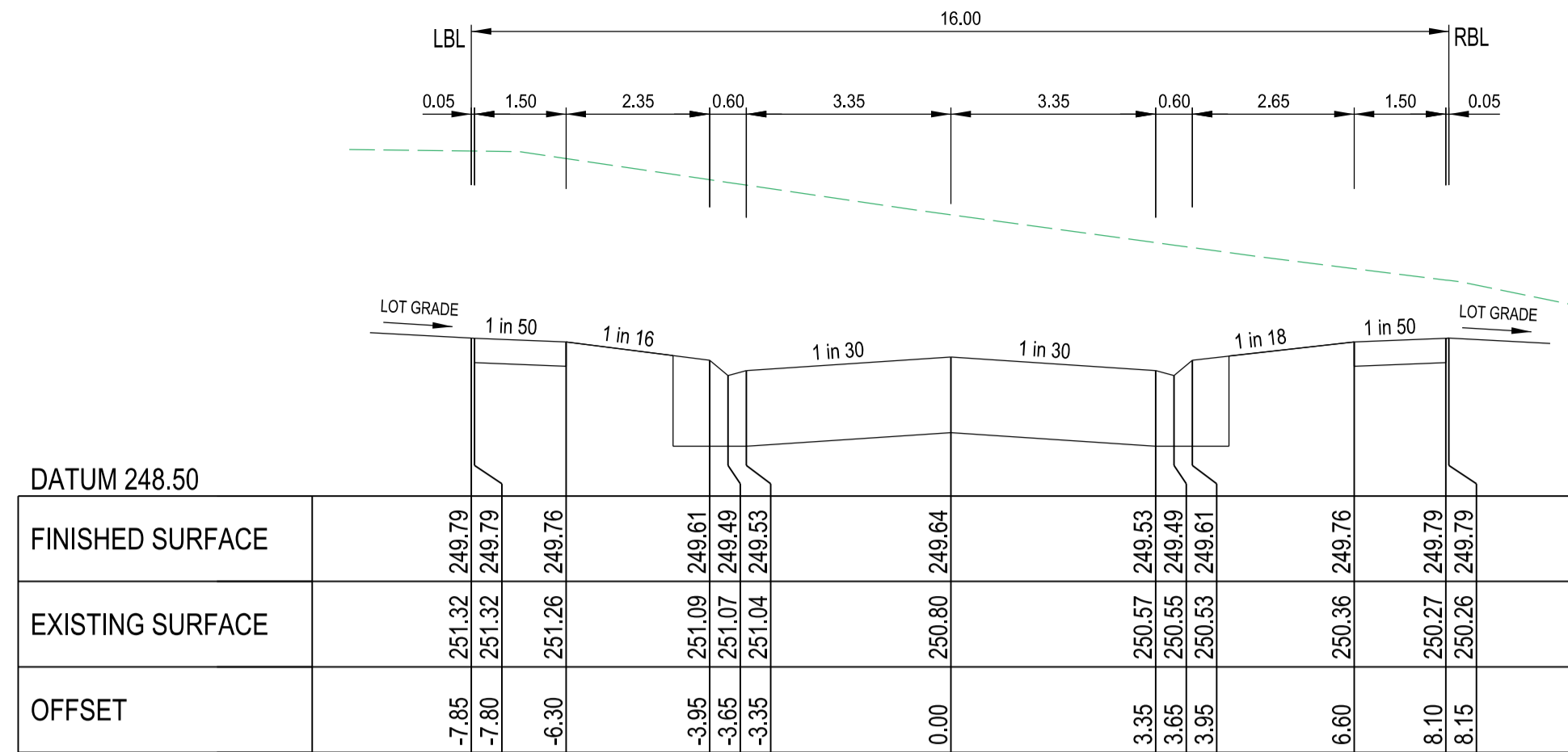
SCALE HORIZONTAL 1:500  
VERTICAL 1:50

SCALE H 1:500 V 1:50 @ A1

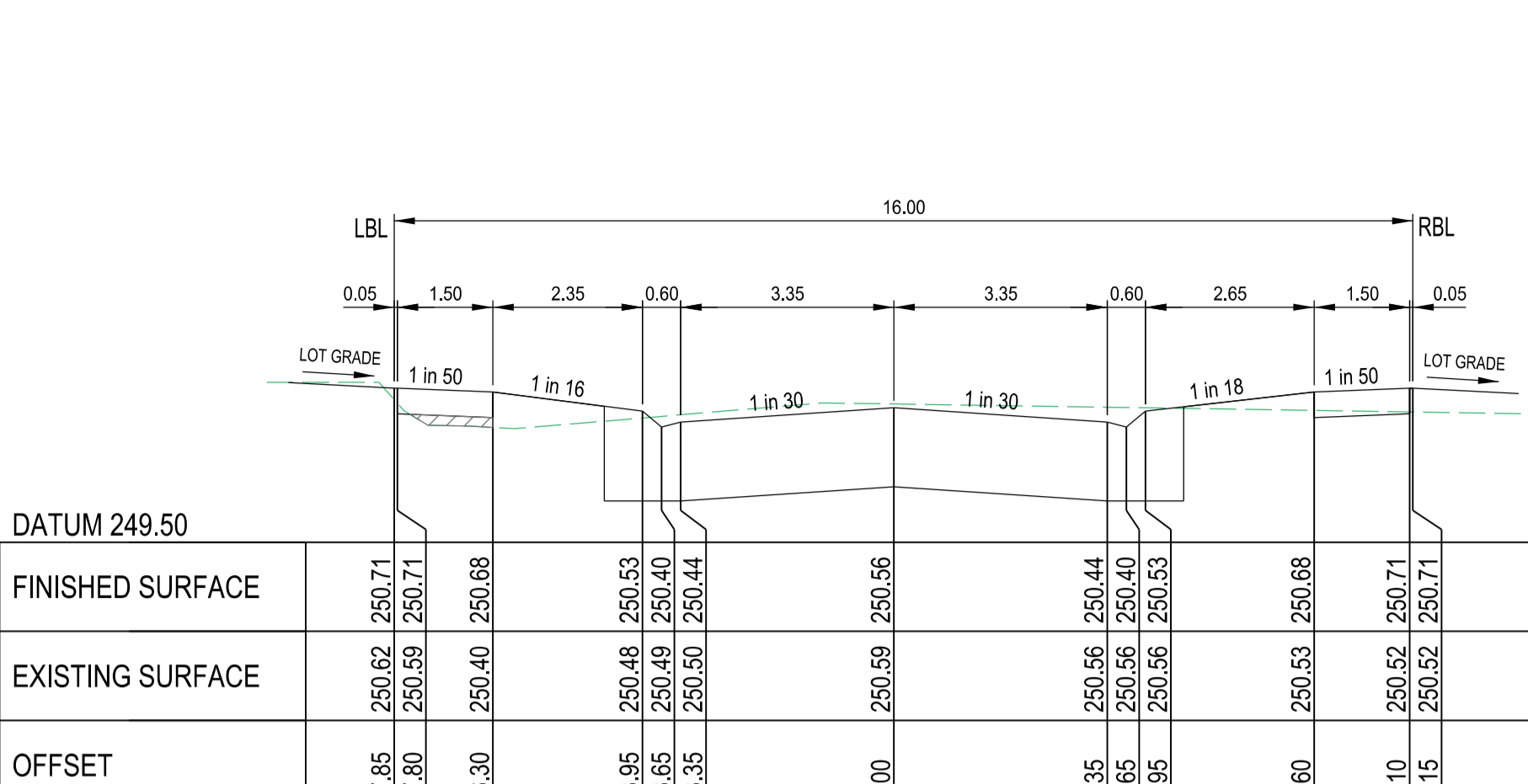


AMENDMENTS		breese pitt dixon pty. ltd. land surveyors civil engineers		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
MELWAY REF.	386-F-3	CLOVERTON ESTATE STAGE 328 LONGITUDINAL SECTIONS		MUNICIPALITY	
SURVEY	VERIS			HUME	
DESIGN	R.W.			REFERENCE	
DRAWN	D.W.			8460 <sup>E</sup> /328	
VER	DATE	REMARKS	CHECKED	A.K.	SCALE AS SHOWN
					DATUM AHD
					DATE AUG'22
					SHEET 5 OF 16
					P1

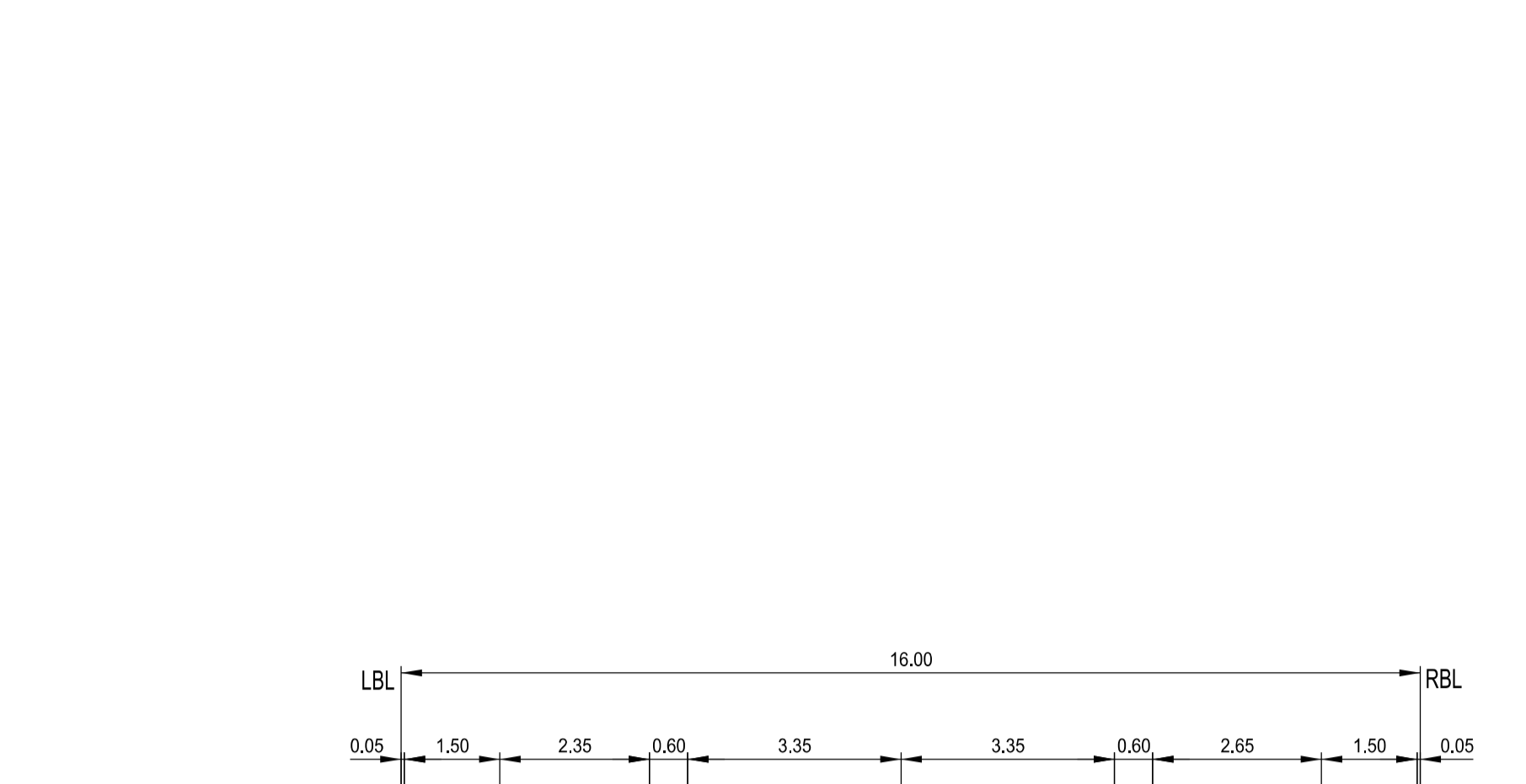
E:\Engineering\Breese Pitt Dixon\Cloverton\Stage 328\Cadd\E328\_R05.LS1.dgn



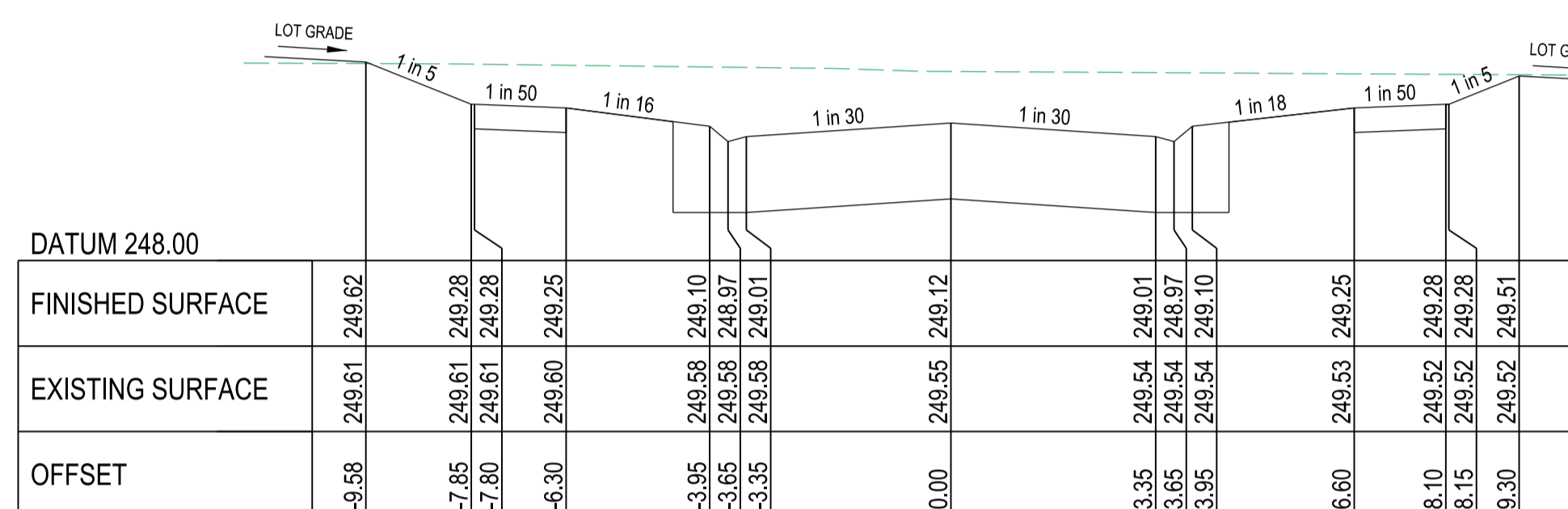
TITANIUM STREET Ch 68.20



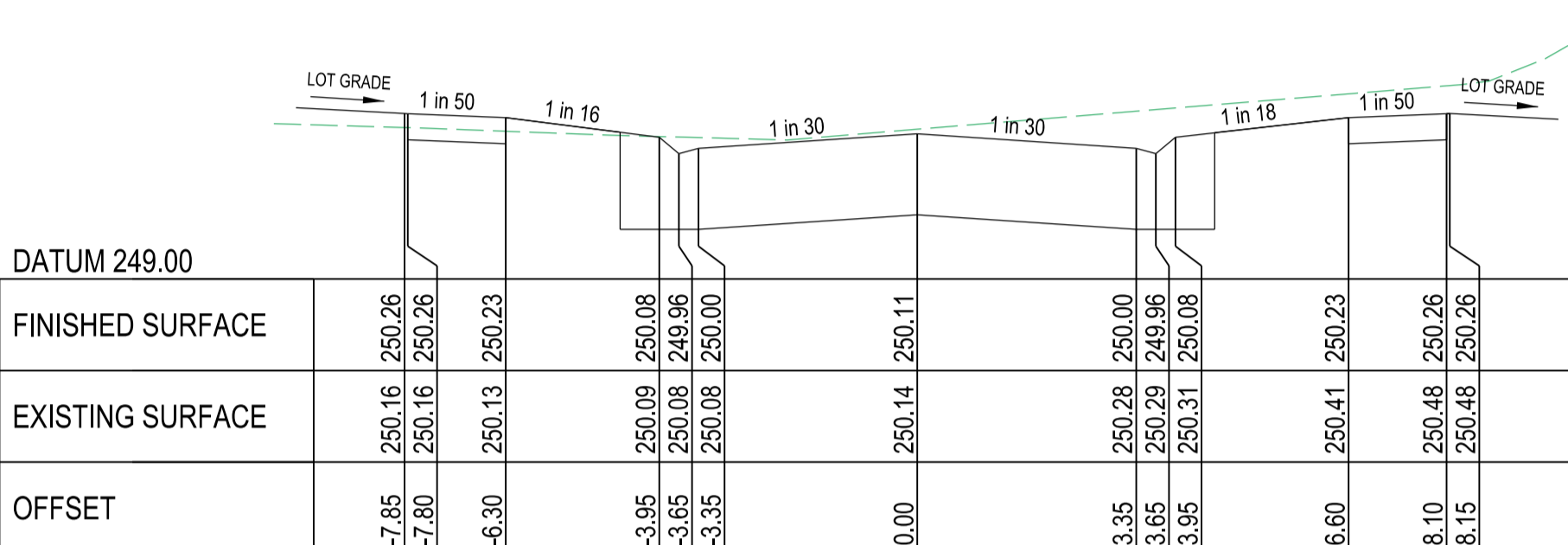
TITANIUM STREET Ch 119.70



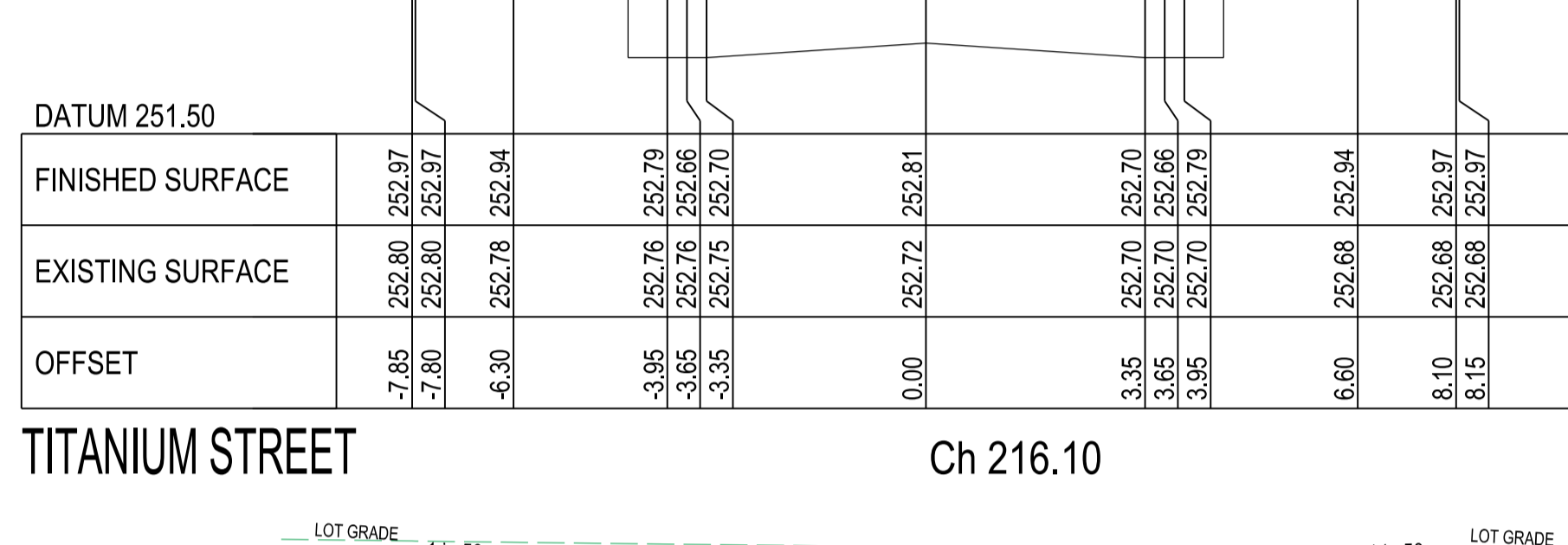
TITANIUM STREET Ch 216.10



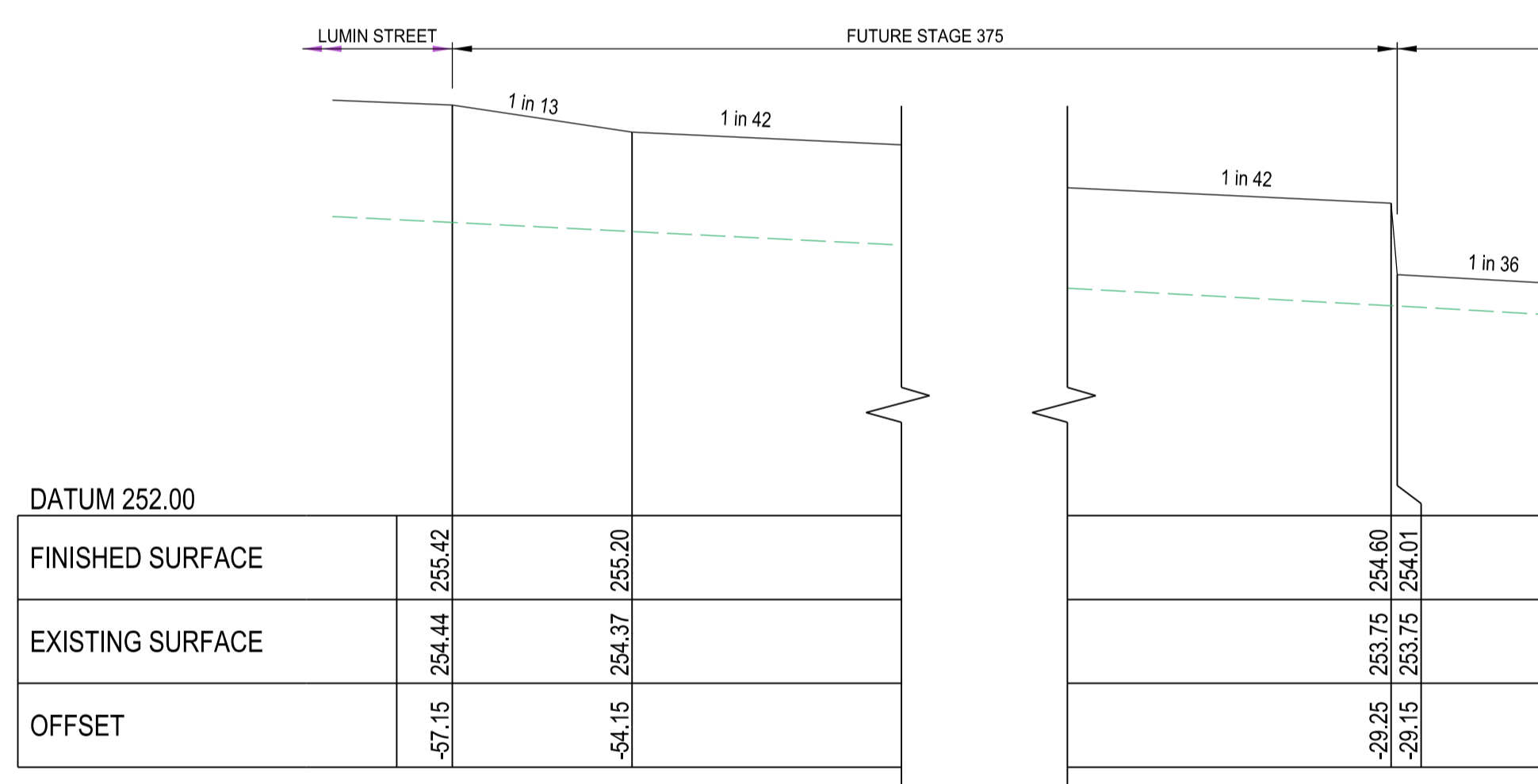
TITANIUM STREET Ch 46.20



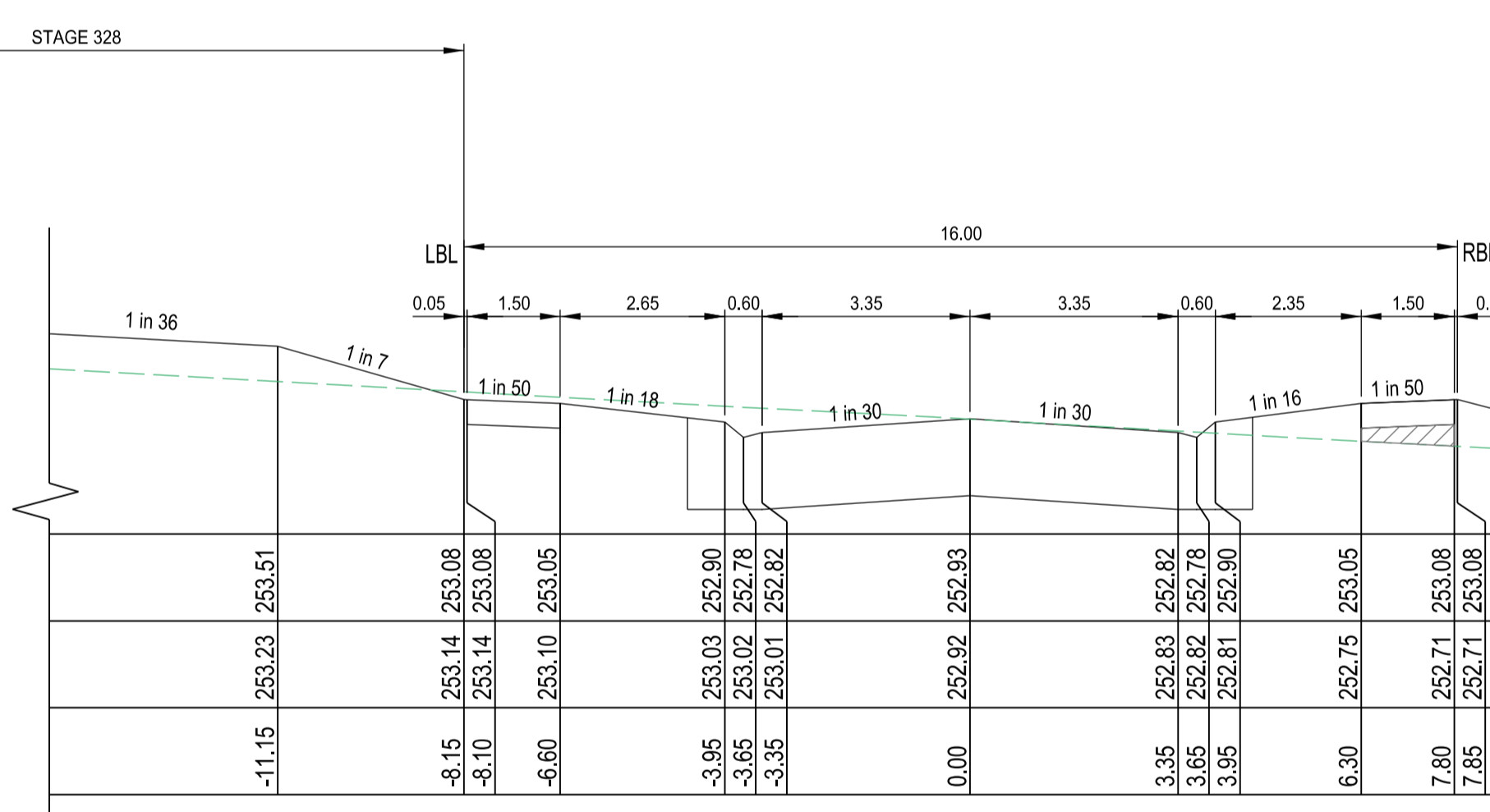
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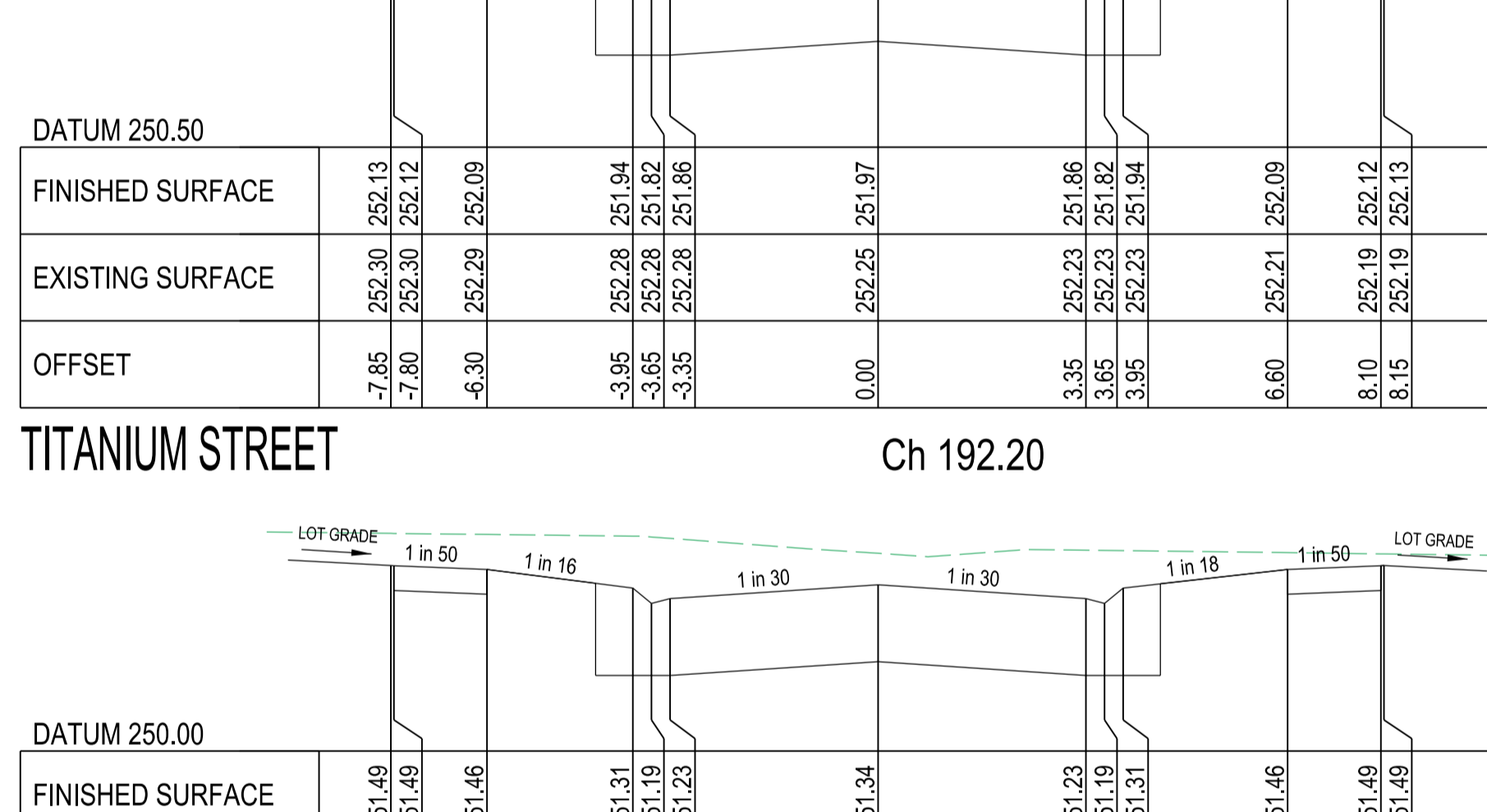
TITANIUM STREET Ch 192.20



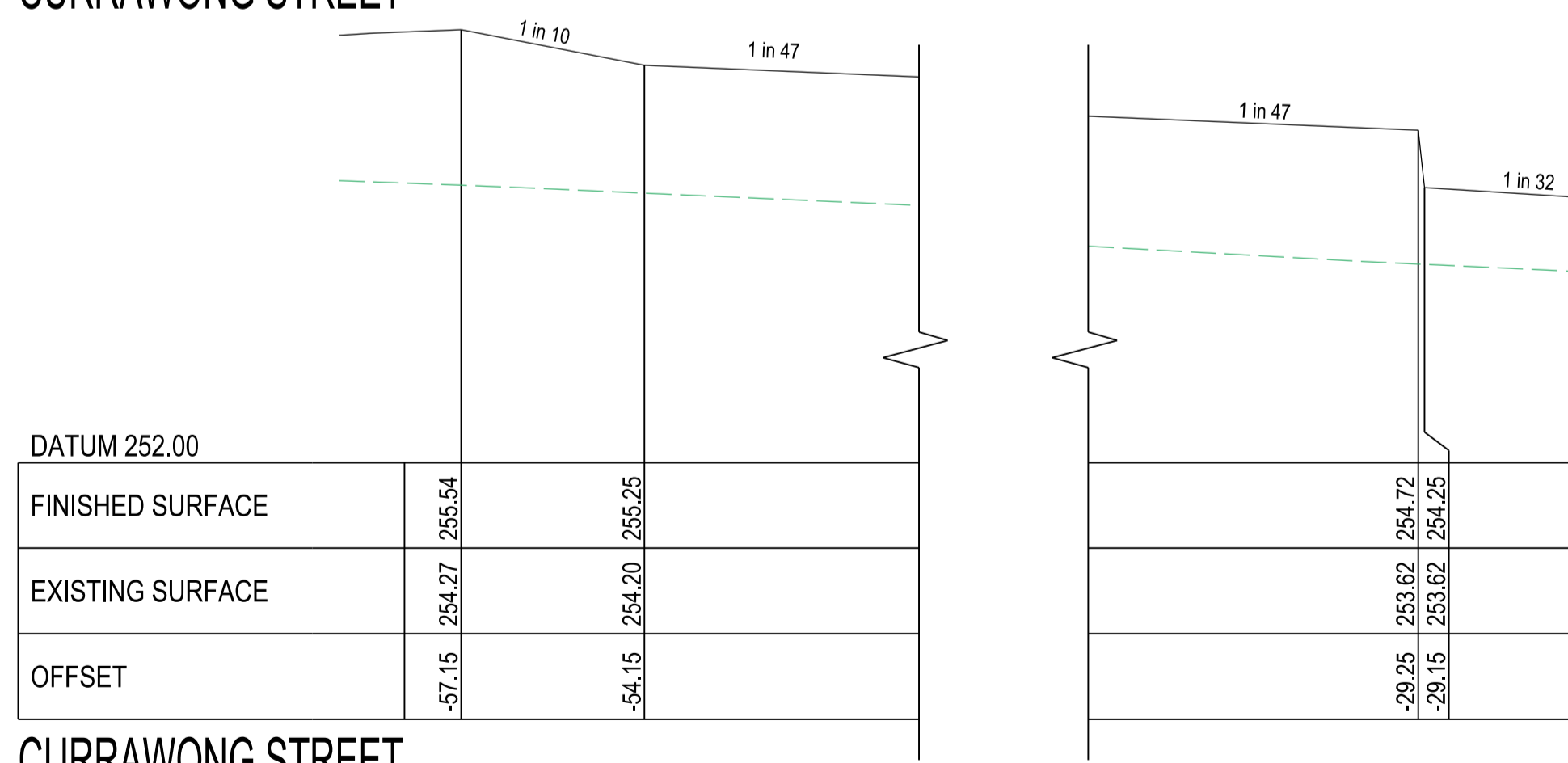
CURRAWONG STREET



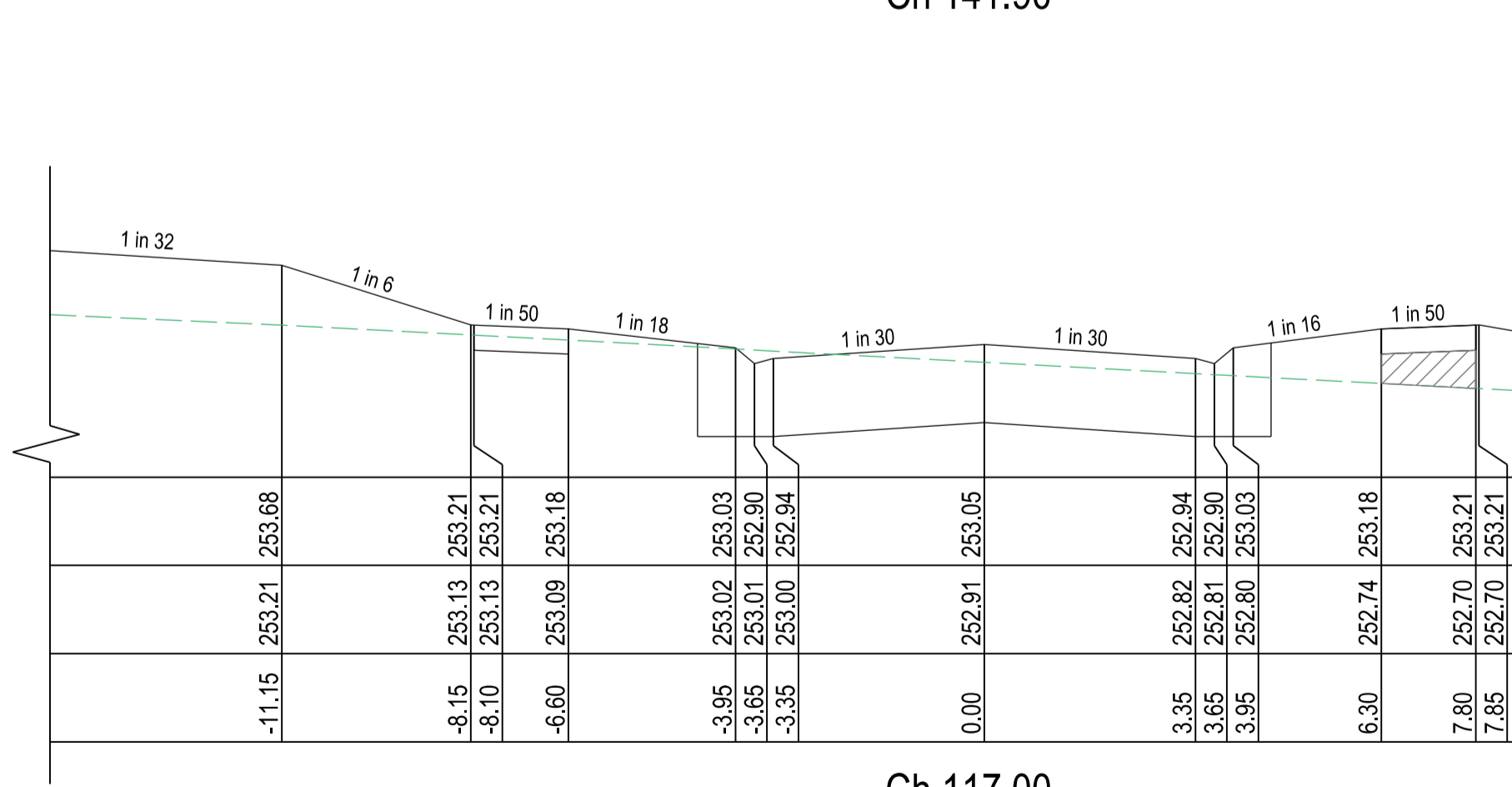
TITANIUM STREET Ch 141.90



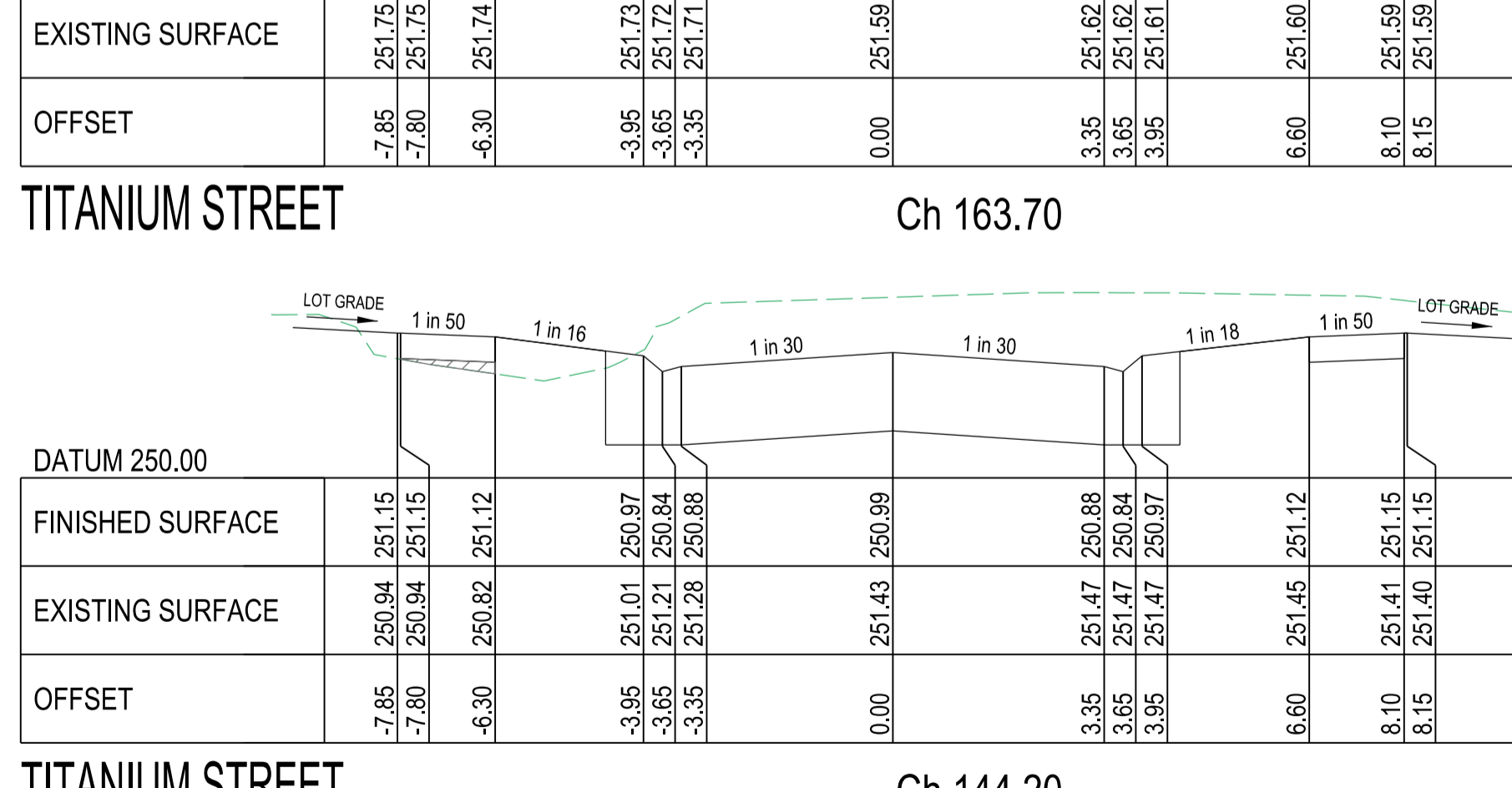
TITANIUM STREET Ch 163.70



CURRAWONG STREET



TITANIUM STREET Ch 117.00

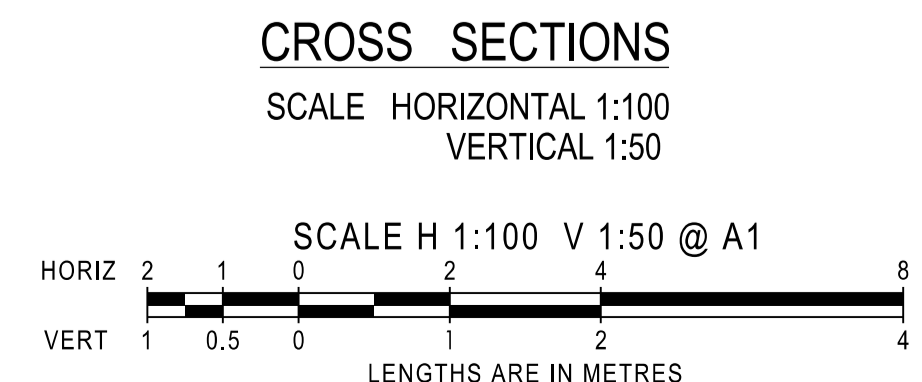


TITANIUM STREET Ch 144.20



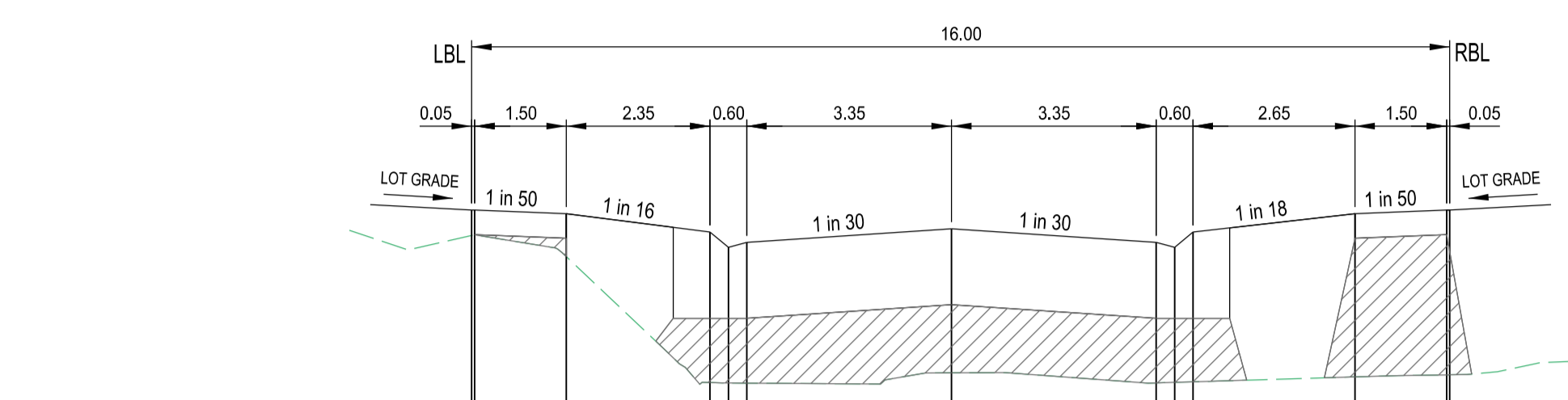
**ALLOTMENT GRADE NOTE**  
MINIMUM 1 IN 150 LOT GRADE INDICATED THUS: LOT GRADE

**ALLOTMENT BATTER NOTE**  
IF NOT SHOWN FOR CLARITY ALL BATTERS WITHIN ALLOTMENTS TO BE GRADE 1 IN 5, UNLESS NOTED OTHERWISE



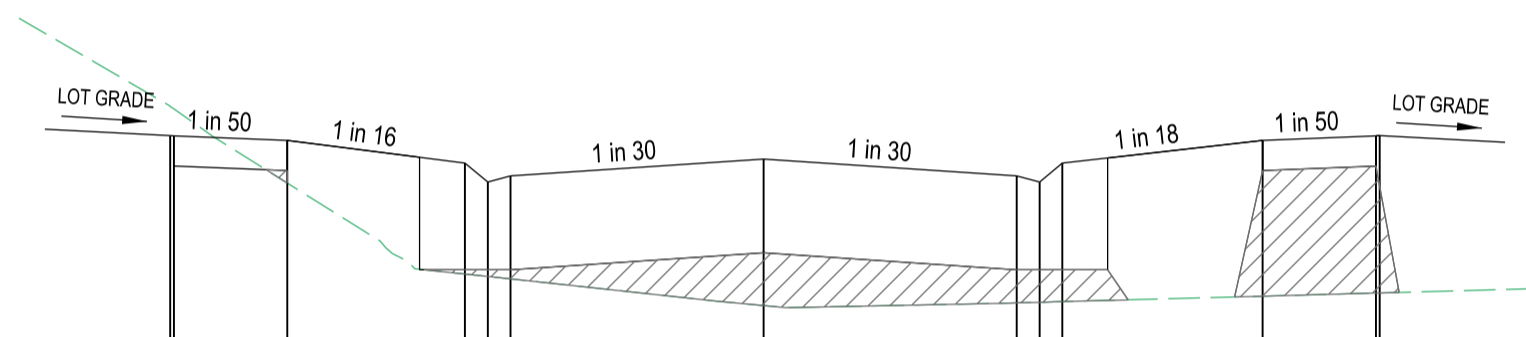
AMENDMENTS		breeze pitt dixon pty. ltd. land surveyors civil engineers		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
MELWAY REF.	386-F-3	CLOVERTON ESTATE STAGE 328 CROSS SECTIONS		MUNICIPALITY	
SURVEY	VERIS			HUME	
DESIGN	R.W.			REFERENCE	
DRAWN	D.W.			8460 E/328	
CHECKED	A.K.	SCALE	AS SHOWN	DATUM	AHD
DATE		DATE	AUG '22	SHEET	6 OF 16
REMARKS					P1





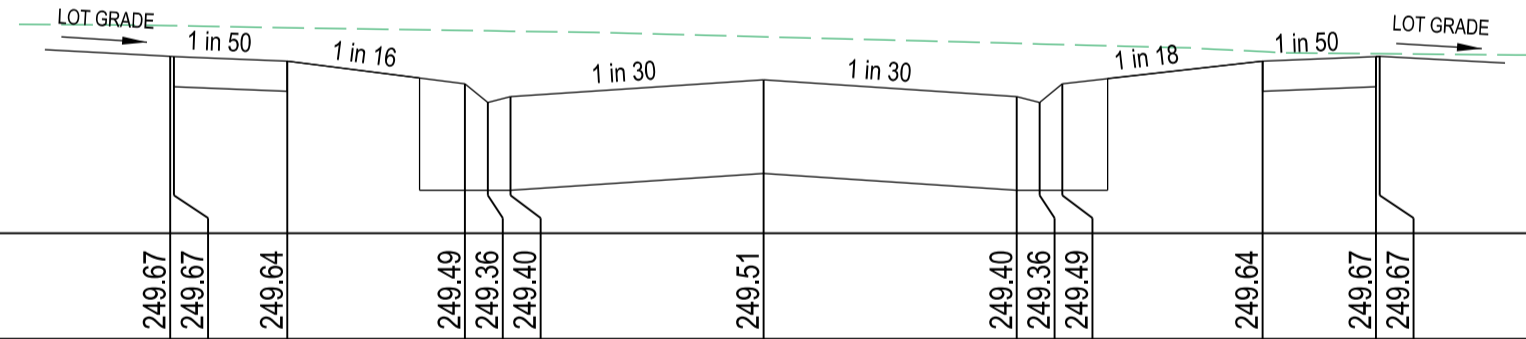
DATUM 248.50															
FINISHED SURFACE															
EXISTING SURFACE															
OFFSET															

MAGNESIUM ROAD Ch 128.20



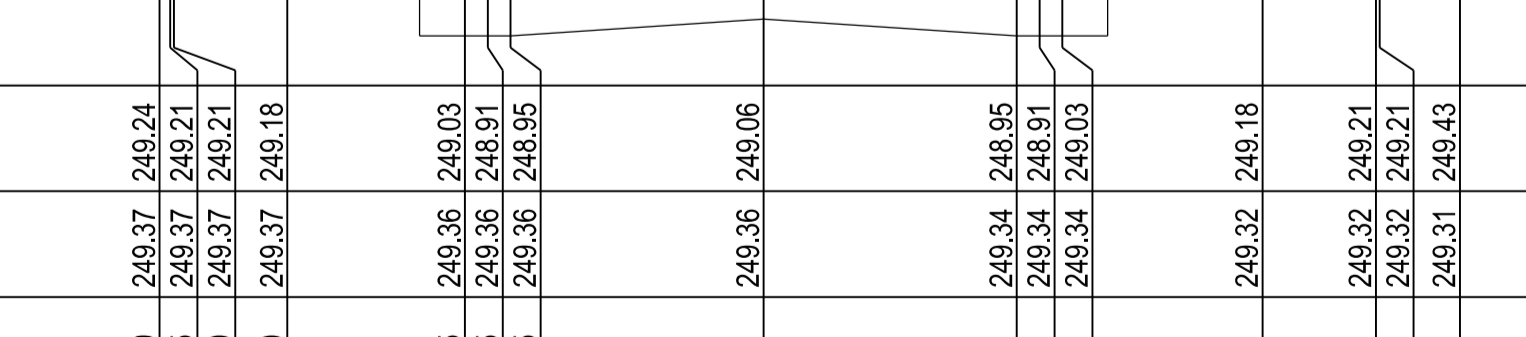
DATUM 248.50															
FINISHED SURFACE															
EXISTING SURFACE															
OFFSET															

MAGNESIUM ROAD Ch 101.70



DATUM 248.50															
FINISHED SURFACE															
EXISTING SURFACE															
OFFSET															

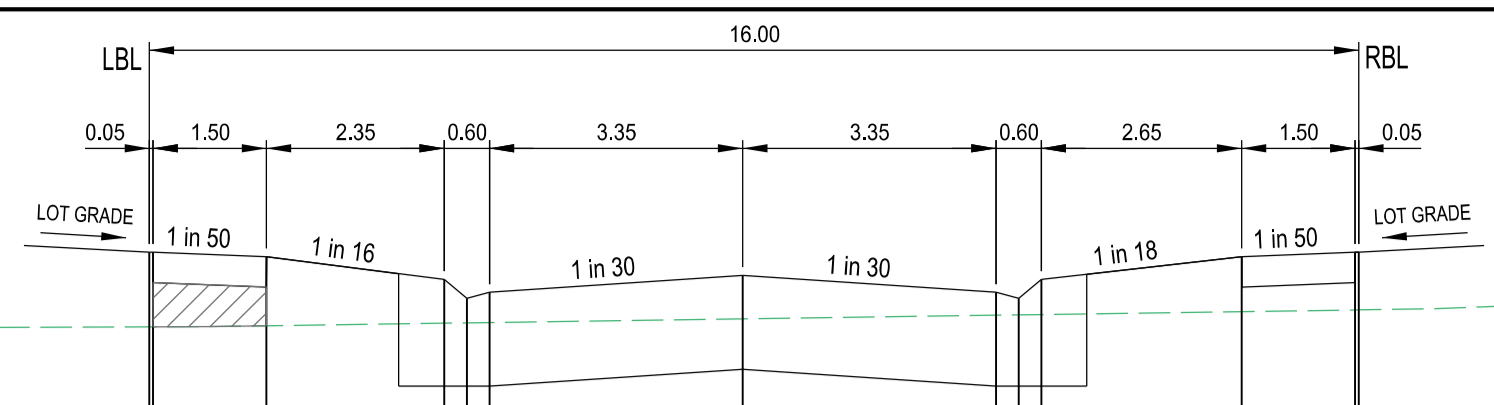
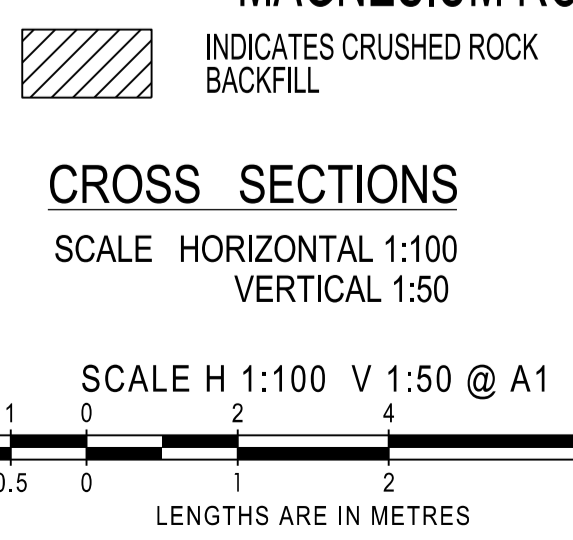
MAGNESIUM ROAD Ch 75.20



DATUM 248.00															
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EXISTING SURFACE															
OFFSET															

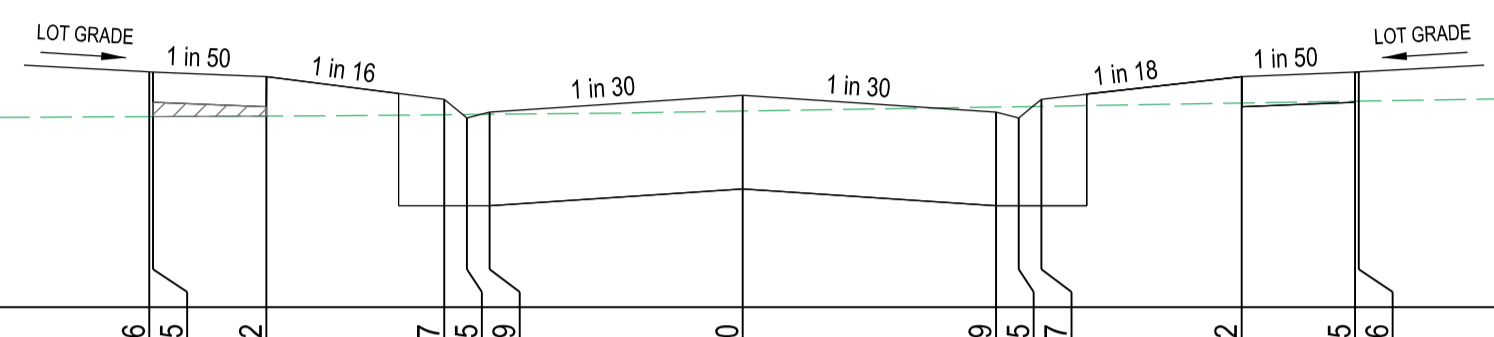
MAGNESIUM ROAD Ch 50.20

ALLOTMENT GRADE NOTE  
 MINIMUM 1 IN 150 LOT GRADE  
 INDICATED THUS: LOT GRADE  
 IF NOT SHOWN FOR CLARITY  
 ALL BATTERS WITHIN ALLOTMENTS  
 TO BE GRADE 1 IN 5.  
 UNLESS NOTED OTHERWISE



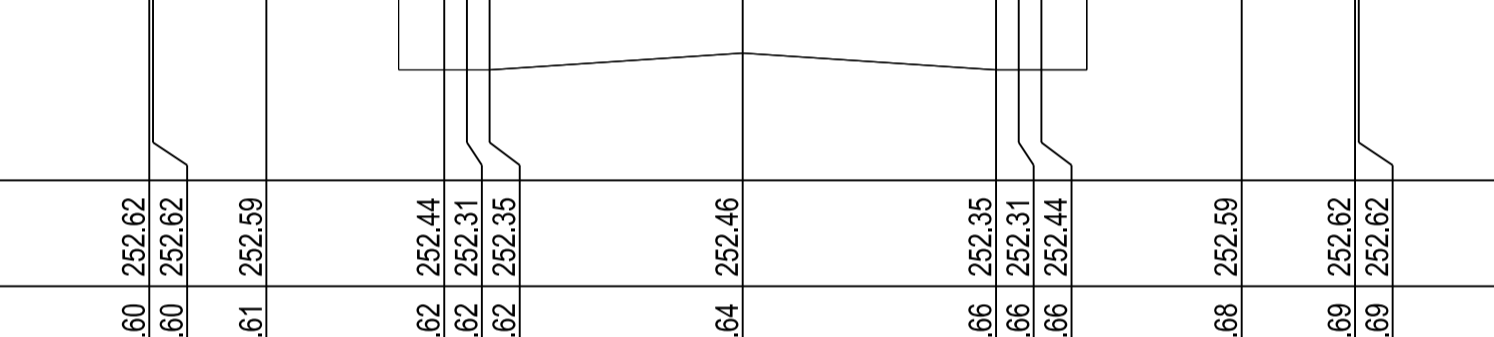
DATUM 253.00															
FINISHED SURFACE															
EXISTING SURFACE															
OFFSET															

MAGNESIUM ROAD Ch 259.20



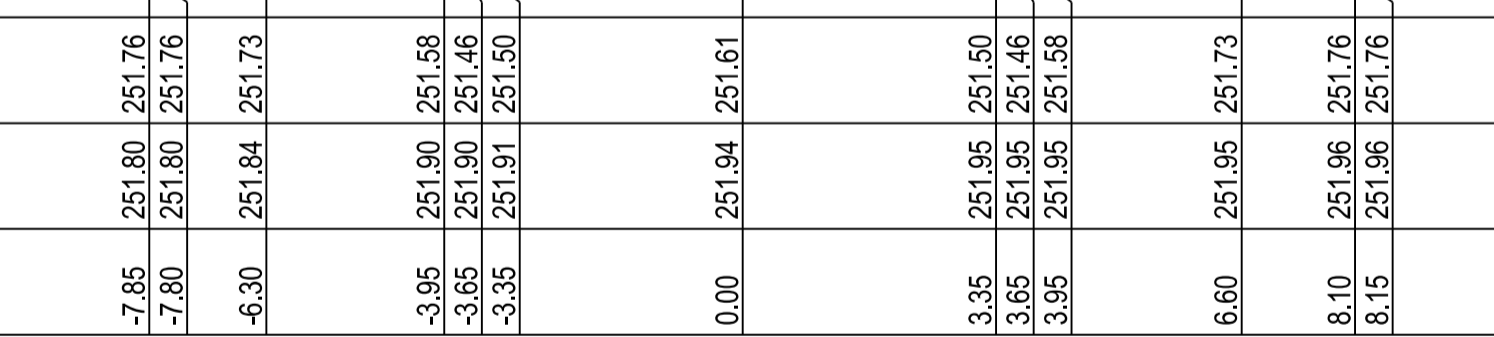
DATUM 252.00															
FINISHED SURFACE															
EXISTING SURFACE															
OFFSET															

MAGNESIUM ROAD Ch 240.00



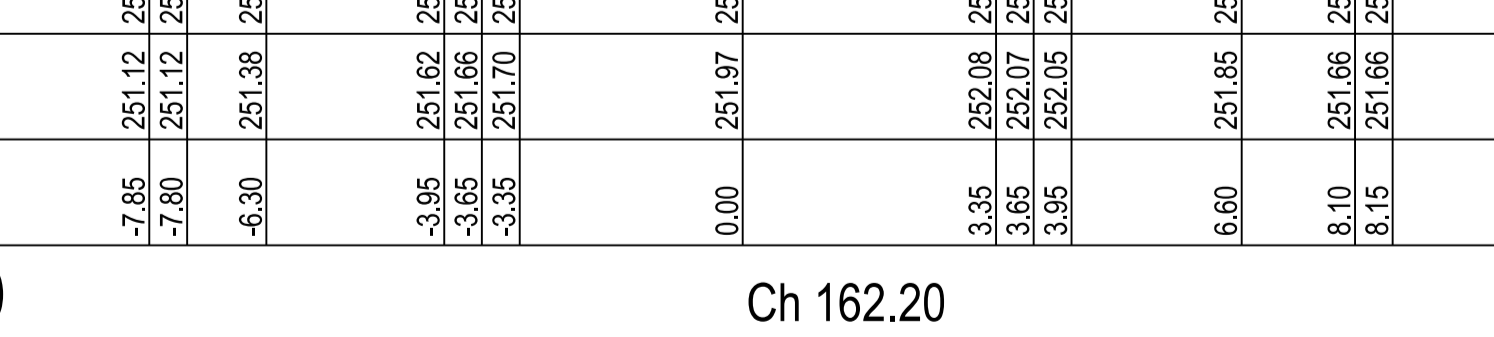
DATUM 251.00															
FINISHED SURFACE															
EXISTING SURFACE															
OFFSET															

MAGNESIUM ROAD Ch 216.10



DATUM 250.50															
FINISHED SURFACE															
EXISTING SURFACE															
OFFSET															

MAGNESIUM ROAD Ch 188.70



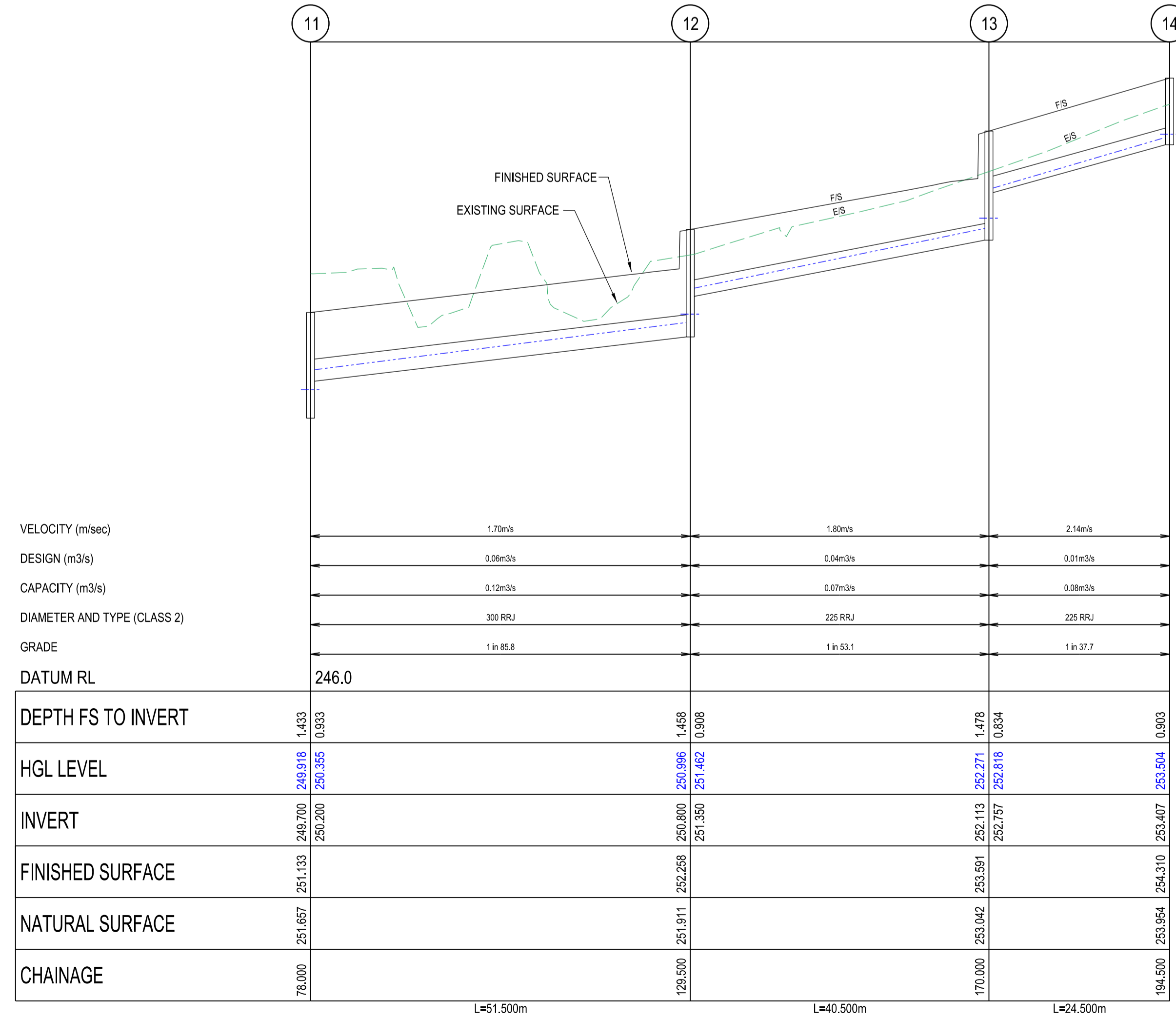
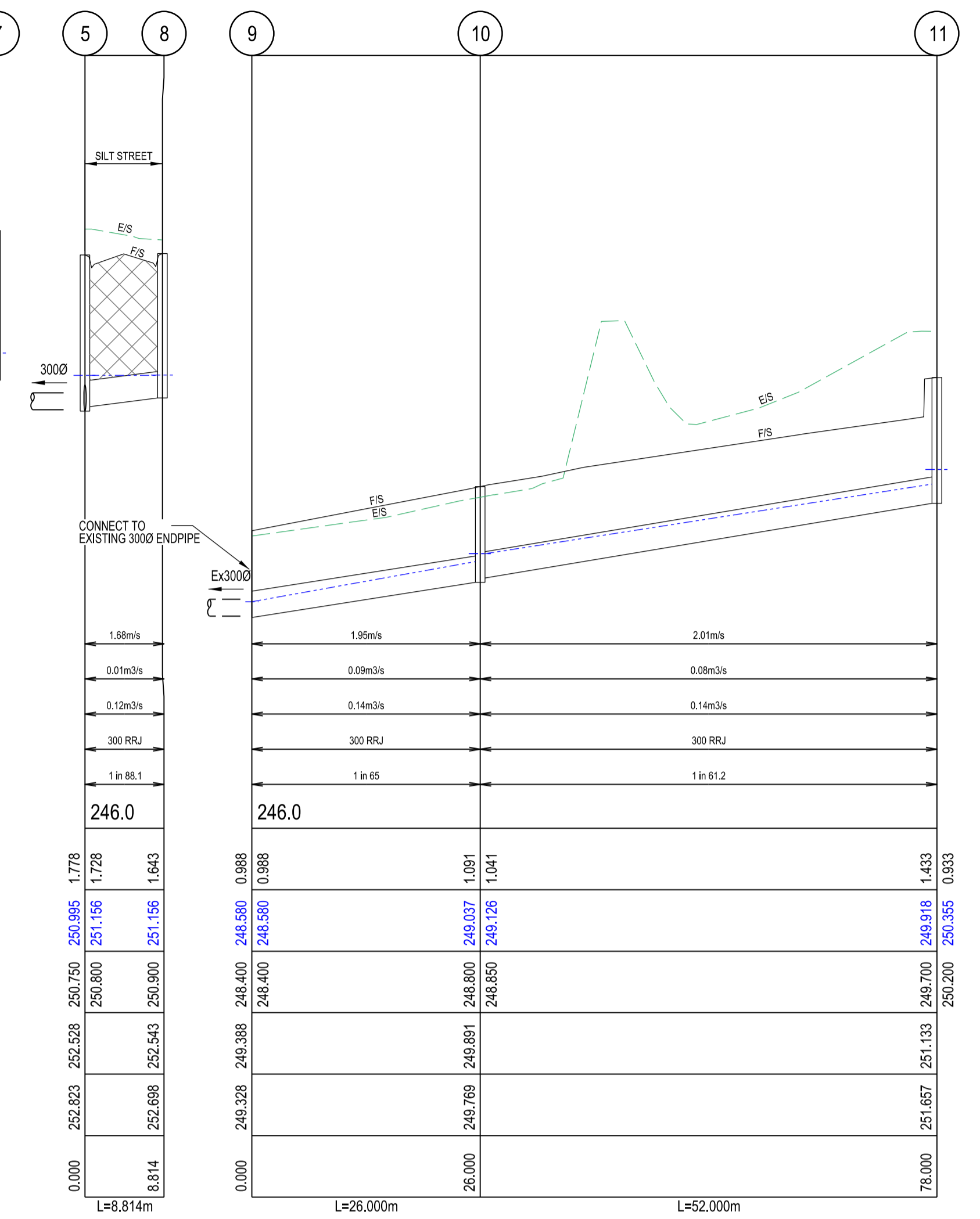
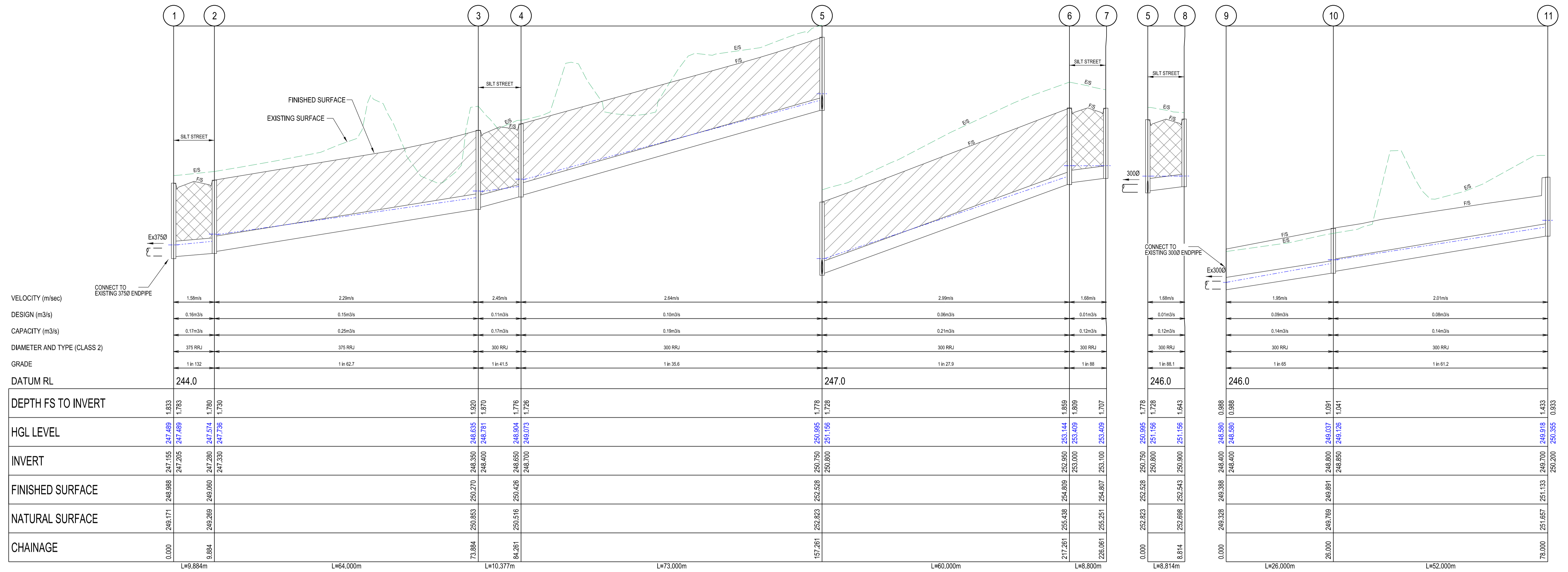
DATUM 250.00															
FINISHED SURFACE															
EXISTING SURFACE															
OFFSET															

MAGNESIUM ROAD Ch 162.20

		<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. 386-F-3		<b>CLOVERTON ESTATE</b> <b>STAGE 328</b> <b>CROSS SECTIONS</b>		MUNICIPALITY <b>HUME</b> REFERENCE <b>8460 E/328</b>	
SURVEY VERIS		CHECKED A.K.		SCALE AS SHOWN DATUM AHD DATE AUG'22 SHEET 8 OF 16 P1	
DESIGN R.W.		DATE		FILE: E:\Engineering\Breese Pitt Dixon\Cloverton\Stage 328\Cadd\E328_808_CS1.dgn	
DRAWN D.W.		REMARKS		VER DATE	







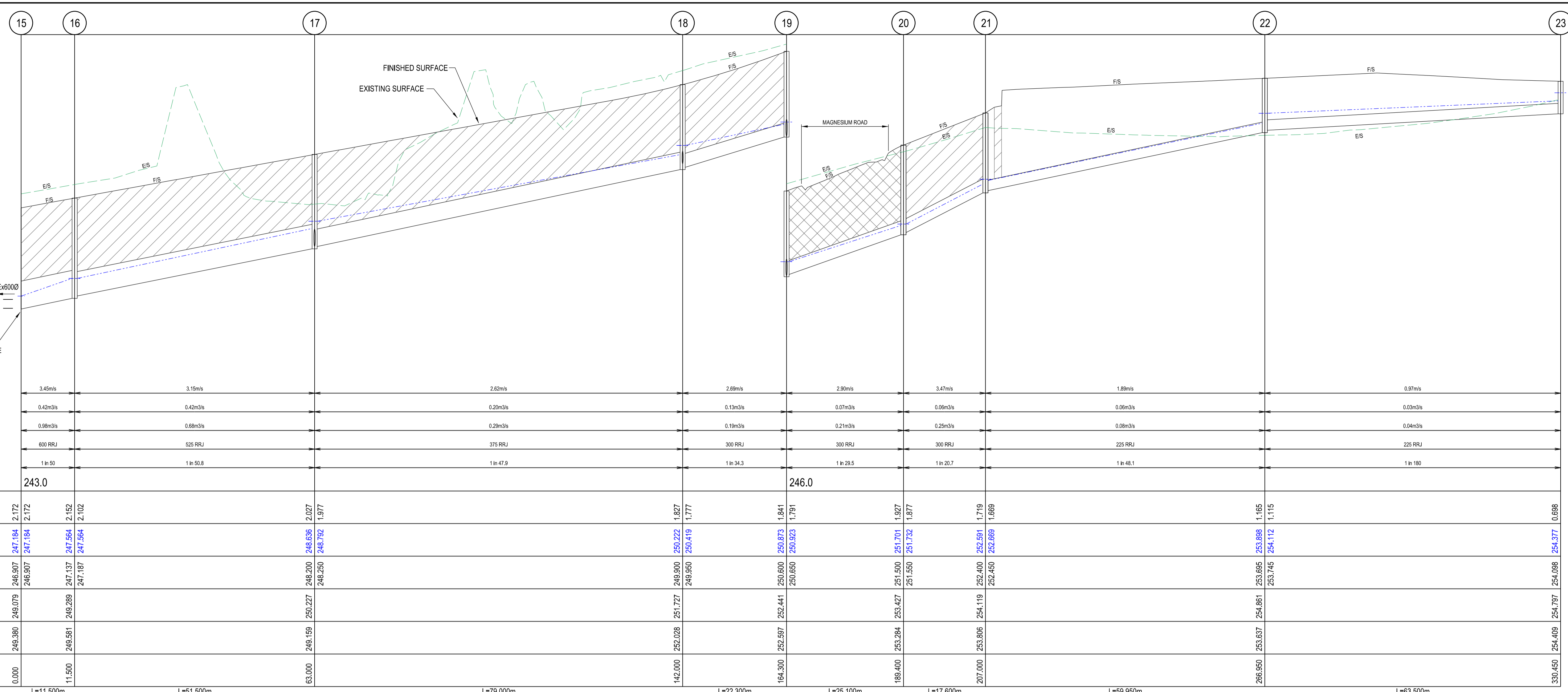
INDICATES CLASS 2 CRUSHED ROCK BACKFILL  
 INDICATES CLASS 3 CRUSHED ROCK BACKFILL  
 INDICATES 5YR HGL

**DRAINAGE LONGITUDINAL SECTIONS**  
 SCALE HORIZONTAL 1:500  
 VERTICAL 1:50  
 SCALE H 1:500 V 1:50 @ A1  
 HORIZ 10 5 0 10 20 40  
 VERT 1 0.5 0 1 2 4  
 LENGTHS ARE IN METRES

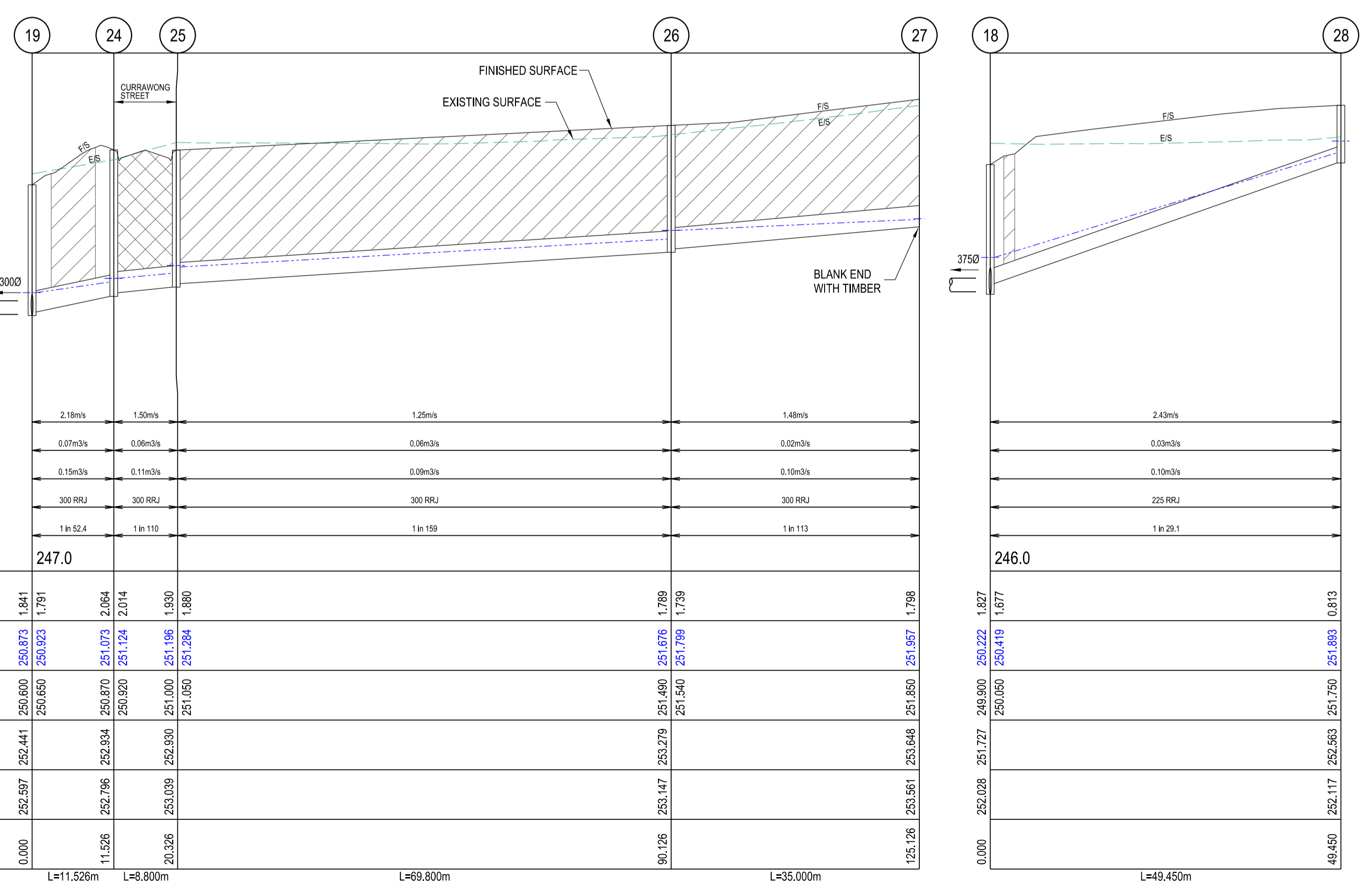
AMENDMENTS		 <b>breese pitt dixon pty. ltd.</b> land surveyors civil engineers	1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
			MELWAY REF. 367-F-3	MUNICIPALITY HUME
			SURVEY VERIS	REFERENCE 8460 E/328
			DESIGN R.W.	
		DRAWN D.W.		
		CHECKED A.K.	SCALE AS SHOWN DATUM AHD DATE AUG'22 SHEET 10 OF 16 P1	

**CLOVERTON ESTATE  
STAGE 328  
DRAINAGE LONG SECTIONS**

E:\Engineering\Breese Pitt Dixon\Cloverton\Stage 328\Cadd\E328\_R10.DWG



VELOCITY (m/sec)	3.45m/s	3.15m/s	2.62m/s	2.69m/s	2.80m/s	3.47m/s	1.89m/s	0.97m/s
DESIGN (m <sup>3</sup> /s)	0.42m <sup>3</sup> /s	0.42m <sup>3</sup> /s	0.20m <sup>3</sup> /s	0.13m <sup>3</sup> /s	0.07m <sup>3</sup> /s	0.06m <sup>3</sup> /s	0.06m <sup>3</sup> /s	0.03m <sup>3</sup> /s
CAPACITY (m <sup>3</sup> /s)	0.58m <sup>3</sup> /s	0.58m <sup>3</sup> /s	0.29m <sup>3</sup> /s	0.19m <sup>3</sup> /s	0.21m <sup>3</sup> /s	0.25m <sup>3</sup> /s	0.08m <sup>3</sup> /s	0.04m <sup>3</sup> /s
DIAMETER AND TYPE (CLASS 2)	800 RRJ	525 RRJ	375 RRJ	300 RRJ	300 RRJ	300 RRJ	225 RRJ	225 RRJ
GRADE	1 in 50	1 in 50.8	1 in 47.9	1 in 34.3	1 in 28.5	1 in 20.7	1 in 48.1	1 in 180
DATUM RL	243.0		246.0					
DEPTH FS TO INVERT	2.172	2.172	2.027	1.877	1.841	1.791	1.689	0.888
HGL LEVEL	247.184	247.184	246.636	250.222	250.419	251.701	251.732	254.377
INVERT	245.007	245.007	244.200	249.900	249.600	250.600	252.450	254.088
FINISHED SURFACE	249.079	249.079	250.227	251.727	252.441	253.427	254.119	254.797
NATURAL SURFACE	249.380	249.581	249.159	252.028	252.597	253.284	253.806	254.409
CHAINAGE	0.000	11.500	63.000	142.000	164.300	189.400	207.000	330.450
	L=11.500m	L=51.500m	L=79.000m	L=22.300m	L=25.100m	L=17.600m	L=59.950m	L=63.500m



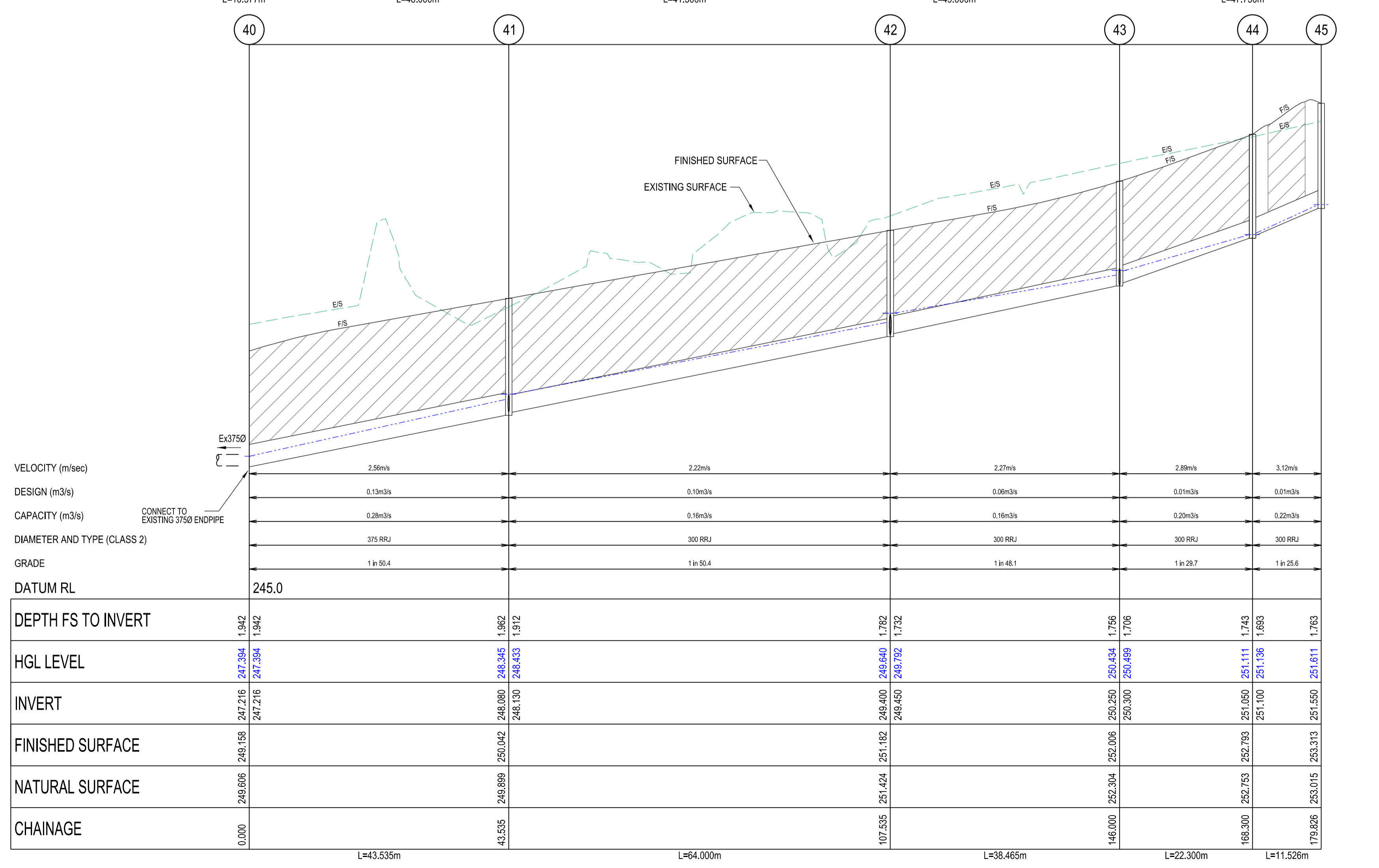
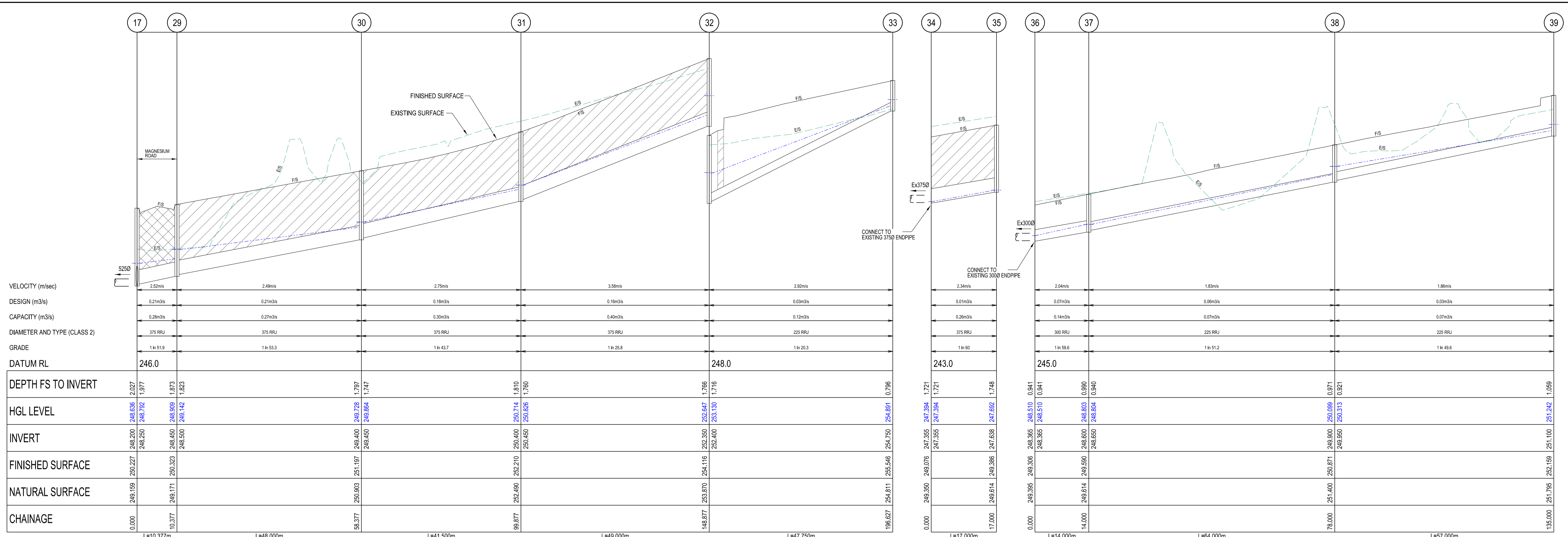
VELOCITY (m/sec)	2.18m/s	1.50m/s	1.25m/s	1.48m/s	2.43m/s	
DESIGN (m <sup>3</sup> /s)	0.07m <sup>3</sup> /s	0.06m <sup>3</sup> /s	0.06m <sup>3</sup> /s	0.02m <sup>3</sup> /s	0.03m <sup>3</sup> /s	
CAPACITY (m <sup>3</sup> /s)	0.15m <sup>3</sup> /s	0.11m <sup>3</sup> /s	0.09m <sup>3</sup> /s	0.10m <sup>3</sup> /s	0.10m <sup>3</sup> /s	
DIAMETER AND TYPE (CLASS 2)	300 RRJ	300 RRJ	300 RRJ	300 RRJ	225 RRJ	
GRADE	1 in 52.4	1 in 110	1 in 159	1 in 113	1 in 28.1	
DATUM RL	247.0					246.0
DEPTH FS TO INVERT	1.841	1.791	2.084	1.789	1.798	
HGL LEVEL	250.873	250.923	251.073	251.124	251.798	
INVERT	250.032	250.132	250.870	251.490	251.540	
FINISHED SURFACE	252.441	252.934	252.934	253.279	253.648	
NATURAL SURFACE	252.597	252.796	253.039	253.147	253.561	
CHAINAGE	0.000	11.526	20.326	90.126	125.126	
	L=11.526m	L=8.800m	L=69.800m	L=35.000m	L=49.450m	

INDICATES CLASS 2 CRUSHED ROCK BACKFILL  
 INDICATES CLASS 3 CRUSHED ROCK BACKFILL  
 INDICATES 5YR HGL

**DRAINAGE LONGITUDINAL SECTIONS**  
 SCALE HORIZONTAL 1:500  
 VERTICAL 1:50  
 SCALE H 1:500 V 1:50 @ A1  
 HORIZ 10 5 0 10 20 40  
 VERT 1 0.5 0 1 2 4  
 LENGTHS ARE IN METRES

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. 367-F-3	MUNICIPALITY
				SURVEY VERIS	HUME
				DESIGN R.W.	REFERENCE
			DRAWN D.W.	8460 E/328	
			CHECKED A.K.	8460 E/328	
			SCALE AS SHOWN	DATE AUG'22	
			DATUM AHD	SHEET 11 OF 16	
				P1	

**CLOVERTON ESTATE  
STAGE 328  
DRAINAGE LONG SECTIONS**



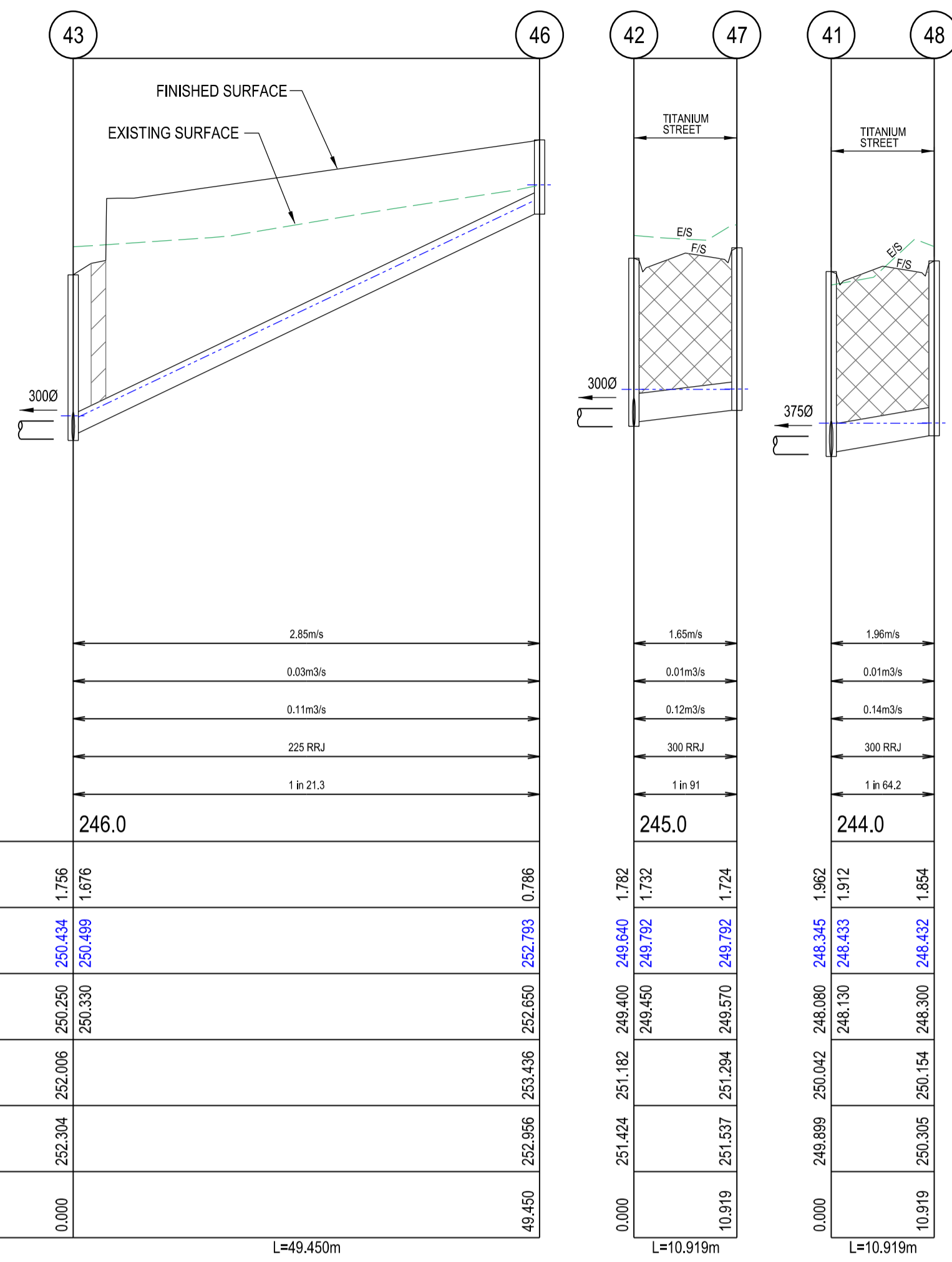
VELOCITY (m/sec)	2.52m/s	2.48m/s	2.75m/s	3.58m/s	2.92m/s	2.34m/s	2.04m/s	1.83m/s	1.88m/s
DESIGN (m3/s)	0.21m3/s	0.21m3/s	0.18m3/s	0.18m3/s	0.03m3/s	0.01m3/s	0.07m3/s	0.06m3/s	0.03m3/s
CAPACITY (m3/s)	0.28m3/s	0.27m3/s	0.30m3/s	0.40m3/s	0.12m3/s	0.26m3/s	0.14m3/s	0.07m3/s	0.07m3/s
DIAMETER AND TYPE (CLASS 2)	375 RRJ	375 RRJ	375 RRJ	375 RRJ	225 RRJ	375 RRJ	300 RRJ	225 RRJ	225 RRJ
GRADE	1 in 51.9	1 in 53.3	1 in 43.7	1 in 25.8	1 in 20.3	1 in 60	1 in 59.6	1 in 51.2	1 in 49.6
DATUM RL	246.0				248.0	243.0	245.0		
DEPTH FS TO INVERT	2.027	1.977			1.766	1.721	0.941	0.871	1.059
HGL LEVEL	248.636	248.152	248.909	250.714	252.647	247.394	248.510	250.069	251.242
INVERT	248.200	248.250	248.450	249.400	250.450	252.350	248.600	249.900	251.100
FINISHED SURFACE	250.227	250.323	251.197	252.210	254.116	249.076	249.306	250.871	252.159
NATURAL SURFACE	249.159	249.171	250.903	252.490	253.870	249.350	249.395	251.400	251.795
CHAINAGE	0.000	10.377	58.377	99.877	148.877	165.877	179.877	78.000	135.000

VELOCITY (m/sec)	2.56m/s	2.22m/s	2.27m/s	2.89m/s	3.12m/s
DESIGN (m3/s)	0.13m3/s	0.10m3/s	0.06m3/s	0.01m3/s	0.01m3/s
CAPACITY (m3/s)	0.28m3/s	0.18m3/s	0.16m3/s	0.20m3/s	0.22m3/s
DIAMETER AND TYPE (CLASS 2)	375 RRJ	300 RRJ	300 RRJ	300 RRJ	300 RRJ
GRADE	1 in 50.4	1 in 50.4	1 in 48.1	1 in 29.7	1 in 25.6
DATUM RL	245.0				
DEPTH FS TO INVERT	1.942	1.962	1.762	1.756	1.743
HGL LEVEL	247.394	248.345	249.640	250.434	251.111
INVERT	247.216	248.080	248.450	250.250	251.050
FINISHED SURFACE	249.158	250.042	251.162	252.006	252.793
NATURAL SURFACE	249.606	249.899	251.424	252.304	252.793
CHAINAGE	0.000	43.535	107.535	146.000	168.300

- INDICATES CLASS 2 CRUSHED ROCK BACKFILL
- INDICATES CLASS 3 CRUSHED ROCK BACKFILL
- INDICATES 5YR HGL

**DRAINAGE LONGITUDINAL SECTIONS**  
 SCALE HORIZONTAL 1:500 VERTICAL 1:50  
 SCALE H 1:500 V 1:50 @ A1  
 HORIZ 10 5 0 10 20 40  
 VERT 1 0.5 0 1 2 4  
 LENGTHS ARE IN METRES

AMENDMENTS	MELWAY REF.	367-F-3	 land surveyors civil engineers	1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310									
	SURVEY	VERIS		MUNICIPALITY	HUME								
	DESIGN	R.W.		REFERENCE	8460 <sup>E</sup> /328								
	DRAWN	D.W.		<b>CLOVERTON ESTATE</b> <b>STAGE 328</b> <b>DRAINAGE LONG SECTIONS</b>									
VER	DATE	REMARKS	CHECKED	A.K.	SCALE	AS SHOWN	DATUM	AHD	DATE	AUG '22	SHEET	12 OF 16	P1

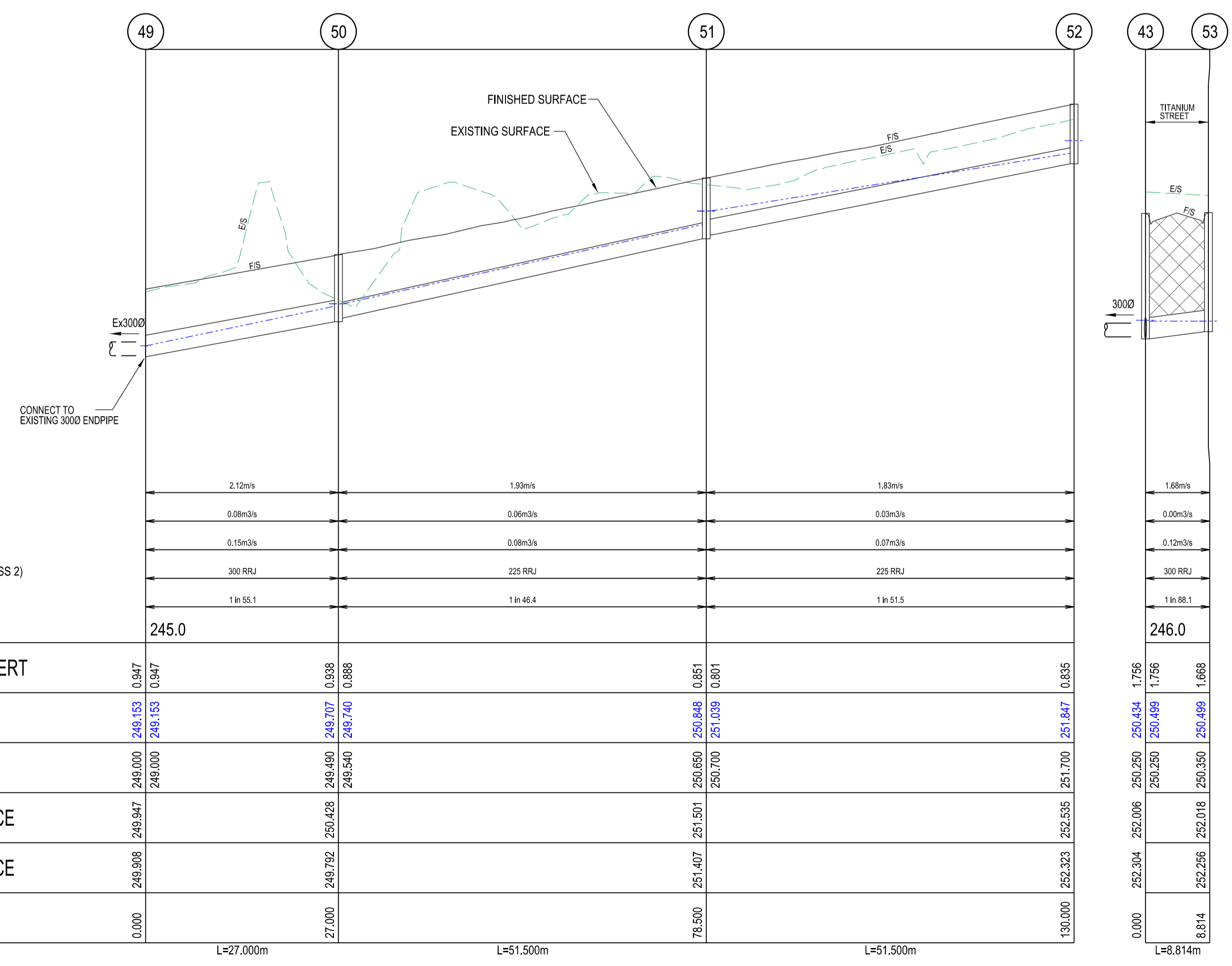
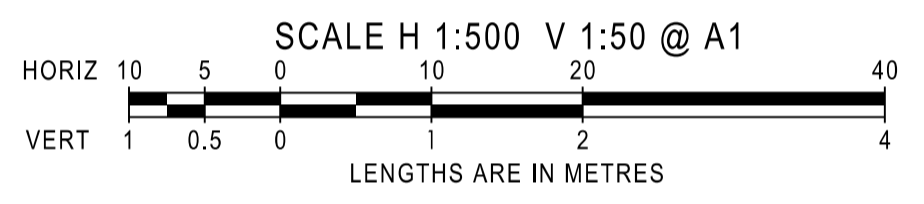


VELOCITY (m/sec)	2.85m/s
DESIGN (m <sup>3</sup> /s)	0.03m <sup>3</sup> /s
CAPACITY (m <sup>3</sup> /s)	0.11m <sup>3</sup> /s
DIAMETER AND TYPE (CLASS 2)	225 RRJ
GRADE	1 in 21.3
DATUM RL	246.0
DEPTH FS TO INVERT	1.796
HGL LEVEL	250.454
INVERT	250.250
FINISHED SURFACE	252.006
NATURAL SURFACE	252.304
CHAINAGE	0.000

INDICATES CLASS 2 CRUSHED ROCK BACKFILL  
 INDICATES CLASS 3 CRUSHED ROCK BACKFILL  
 INDICATES 5YR HGL

**DRAINAGE LONGITUDINAL SECTIONS**

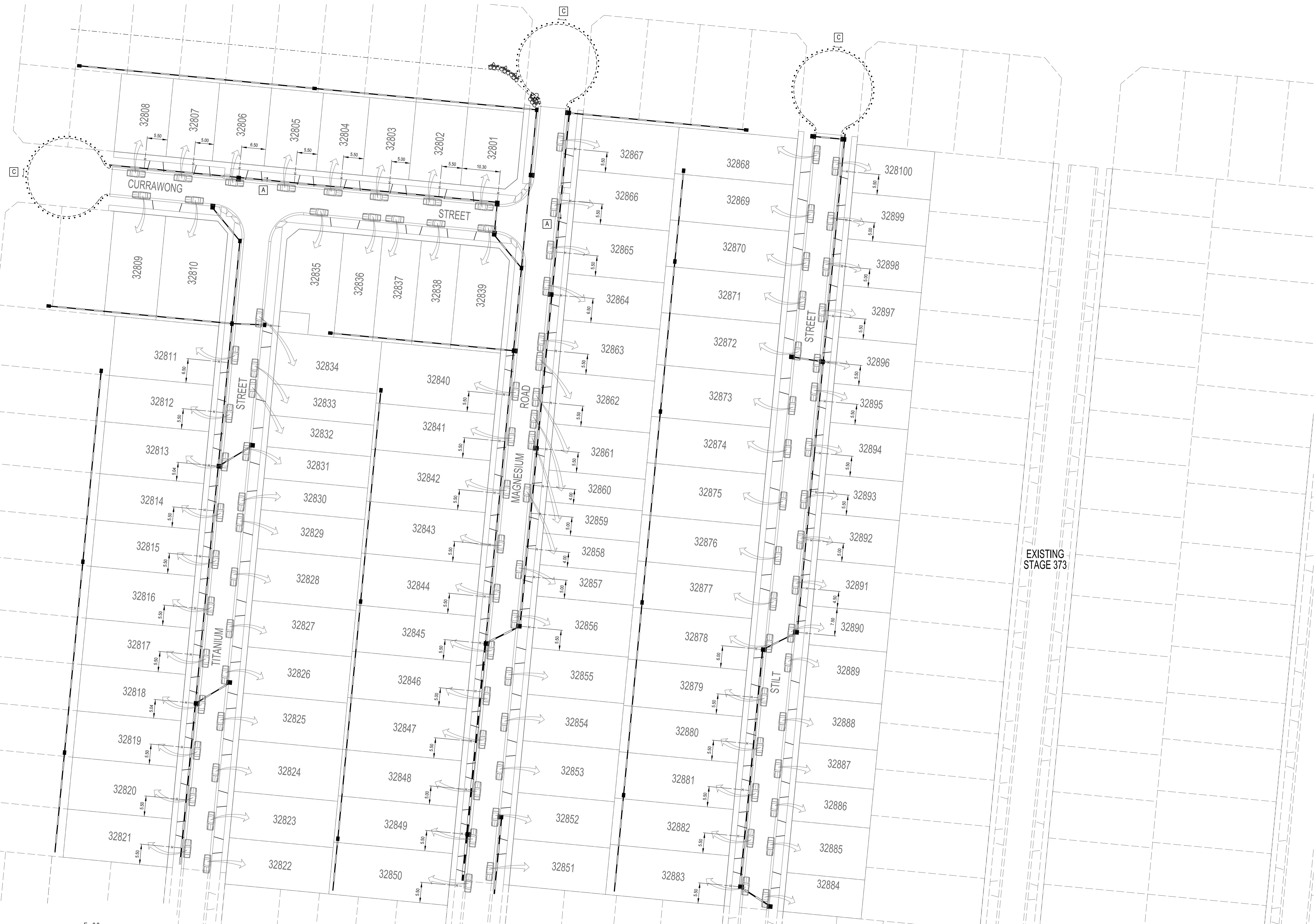
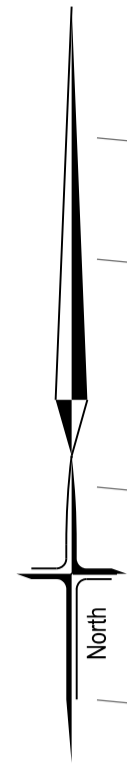
SCALE HORIZONTAL 1:500  
 VERTICAL 1:50



VELOCITY (m/sec)	2.12m/s
DESIGN (m <sup>3</sup> /s)	0.08m <sup>3</sup> /s
CAPACITY (m <sup>3</sup> /s)	0.15m <sup>3</sup> /s
DIAMETER AND TYPE (CLASS 2)	300 RRJ
GRADE	1 in 55.1
DATUM RL	245.0
DEPTH FS TO INVERT	0.947
HGL LEVEL	249.153
INVERT	249.000
FINISHED SURFACE	249.947
NATURAL SURFACE	249.808
CHAINAGE	0.000

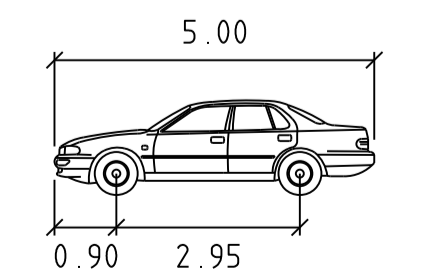
PIT NO.	DESCRIPTION	INTERNAL DIMENSIONS		INLET		OUTLET		TOP OF PIT	DEPTH OF PIT	REMARKS
		L	W	DIA	LEVEL	DIA	LEVEL			
1	Side Entry Pit	900	600	375	247.21			248.99	1.833	Refer Drawing - EDCM 603
2	Side Entry Pit	900	600	375	247.33	375	247.28	249.06	1.780	Refer Drawing - EDCM 603
3	Side Entry Pit	900	600	300	248.40	375	248.35	250.27	1.920	Refer Drawing - EDCM 603
4	Side Entry Pit	900	600	300	248.70	300	248.65	250.43	1.776	Refer Drawing - EDCM 603
5	Side Entry Pit	900	600	300	250.80	300	250.75	252.53	1.778	Refer Drawing - EDCM 603
6	Side Entry Pit	900	600	300	253.00	300	252.95	254.81	1.859	Refer Drawing - EDCM 603
7	Side Entry Pit	900	600			300	253.10	254.81	1.707	Refer Drawing - EDCM 603
8	Side Entry Pit	900	600			300	250.90	252.54	1.643	Refer Drawing - EDCM 603
9	Existing Endpipe			300	248.40			249.39	0.988	Connect to Existing 300 Dia Endpipe
10	Junction Pit	900	600	300	248.85	300	248.80	249.89	1.091	Refer Drawing - EDCM 605
11	Junction Pit	900	600	300	250.20	300	249.70	251.13	1.433	Refer Drawing - EDCM 605
12	Junction Pit	900	600	225	251.35	300	250.80	252.26	1.458	Refer Drawing - EDCM 605
13	Junction Pit	900	600	225	252.76	225	252.11	253.59	1.478	Refer Drawing - EDCM 605
14	Junction Pit	900	600			225	253.41	254.31	0.903	Refer Drawing - EDCM 605
15	Existing Endpipe			600	246.91			249.08	2.172	Connect to Existing 600 Dia Endpipe
16	Side Entry Pit	900	900	525	247.19	600	247.14	249.29	2.152	Refer Drawing - EDCM 603 (Provide Haunching as per EDCM 607)
17	Side Entry Pit	900	900	375	248.25	525	248.20	250.23	2.027	Refer Drawing - EDCM 603 (Provide Haunching as per EDCM 607)
18	Side Entry Pit	900	600	300	249.95	375	249.90	251.73	1.827	Refer Drawing - EDCM 603 (Provide HD Cover)
19	Junction Pit	900	600	300	250.65	300	250.60	252.44	1.841	Refer Drawing - EDCM 605
20	Side Entry Pit	900	600	300	251.55	300	251.50	253.43	1.927	Refer Drawing - EDCM 603
21	Junction Pit	900	600	225	252.45	300	252.40	254.12	1.719	Refer Drawing - EDCM 605
22	Junction Pit	900	600	225	253.70	225	253.75	254.86	1.165	Refer Drawing - EDCM 605
23	Junction Pit	900	600			225	254.10	254.50	0.698	Refer Drawing - EDCM 605
24	Side Entry Pit	900	900	300	250.92	300	250.87	252.93	2.064	Refer Drawing - EDCM 603 (Provide Haunching as per EDCM 607)
25	Side Entry Pit	900	600	300	251.05	300	251.00	252.93	1.930	Refer Drawing - EDCM 603
26	Side Entry Pit	900	600	300	251.54	300	251.49	253.28	1.789	Refer Drawing - EDCM 603
27	Endpipe					300	251.85	253.65	1.798	Blank End With Timber
28	Junction Pit	900	600			225	251.75	252.56	0.813	Refer Drawing - EDCM 605
29	Side Entry Pit	900	600	375	248.50	375	248.45	250.32	1.873	Refer Drawing - EDCM 603
30	Side Entry Pit	900	600	375	249.45	375	249.40	251.20	1.797	Refer Drawing - EDCM 603
31	Side Entry Pit	900	600	375	250.45	375	250.40	252.21	1.810	Refer Drawing - EDCM 603
32	Side Entry Pit	900	600	225	252.40	375	252.35	254.12	1.766	Refer Drawing - EDCM 603
33	Junction Pit	900	600			225	254.75	255.55	0.796	Refer Drawing - EDCM 605
34	Existing Endpipe			375	247.36			249.08	1.721	Connect to Existing 375 Dia Endpipe
35	Side Entry Pit	900	600			375	247.64	249.39	1.748	Refer Drawing - EDCM 603
36	Existing Endpipe			300	248.37			249.31	0.941	Connect to Existing 300 Dia Endpipe
37	Junction Pit	900	600	225	248.65	300	248.60	249.59	0.990	Refer Drawing - EDCM 605
38	Junction Pit	900	600	225	249.95	225	249.90	250.87	0.971	Refer Drawing - EDCM 605
39	Junction Pit	900	600			225	251.10	252.16	1.059	Refer Drawing - EDCM 605
40	Existing Endpipe			375	247.22			249.16	1.942	Connect to Existing 375 Dia Endpipe
41	Side Entry Pit	900	600	300	248.13	375	248.08	250.04	1.962	Refer Drawing - EDCM 603
42	Side Entry Pit	900	600	300	249.45	300	249.40	251.18	1.782	Refer Drawing - EDCM 603
43	Junction Pit	900	600	300	250.30	300	250.25	252.01	1.756	Refer Drawing - EDCM 605
44	Junction Pit	900	600	300	251.10	300	251.05	252.79	1.743	Refer Drawing - EDCM 605
45	Side Entry Pit	900	600			300	251.55	253.31	1.763	Refer Drawing - EDCM 603
46	Junction Pit	900	600			225	252.65	253.44	0.786	Refer Drawing - EDCM 605
47	Side Entry Pit	0	0			300	249.57	251.29	1.724	Refer Drawing - EDCM 603
48	Side Entry Pit	0	0			300	248.30	250.15	1.854	Refer Drawing - EDCM 603
49	Existing Endpipe			300	249.00			249.95	0.947	Connect to Existing 300 Dia Endpipe
50	Junction Pit	900	600	225	249.54	300	249.49	250.43	0.938	Refer Drawing - EDCM 605
51	Junction Pit	900	600	225	250.70	225	250.65	251.50	0.851	Refer Drawing - EDCM 605
52	Junction Pit	900	600			225	251.70	252.54	0.835	Refer Drawing - EDCM 605
53	Junction Pit	900	600			300	250.35	252.02	1.668	Refer Drawing - EDCM 605 (Provide HD Cover)

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. 367-F-3		<b>CLOVERTON ESTATE</b> <b>STAGE 328</b> <b>DRAINAGE LONG SECTIONS</b>		MUNICIPALITY				
SURVEY VERIS				HUME				
DESIGN R.W.				REFERENCE				
DRAWN D.W.		8460 E/328		SHEET 13 OF 16				
VER	DATE	REMARKS	CHECKED A.K.	SCALE AS SHOWN	DATUM AHD	DATE AUG '22	SHEET 13 OF 16	P1



**SIGNAGE LEGEND**

<b>A</b>	STREET SIGNS
<b>B</b>	GIVE WAY (R1-2)
<b>C</b>	ROAD CLOSED SIGN (G9-20) WITH OBSTRUCTION MARKER SIGN (D4-5) - CLASS 1



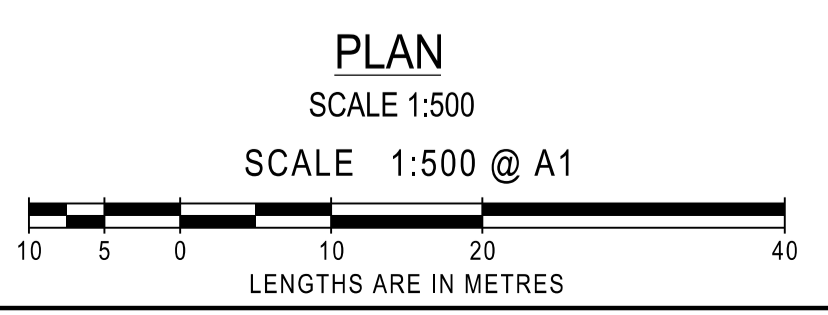
**NOTES**

a) ALL SIGNS TO BE SLEEVED USING A SL27 SLEEVE.

b) SWLM - INDICATES SOLID WHITE "LONGLIFE" LINE MARKING  
 BWLM - INDICATES BROKEN WHITE "LONGLIFE" LINE MARKING

**CAR** meters

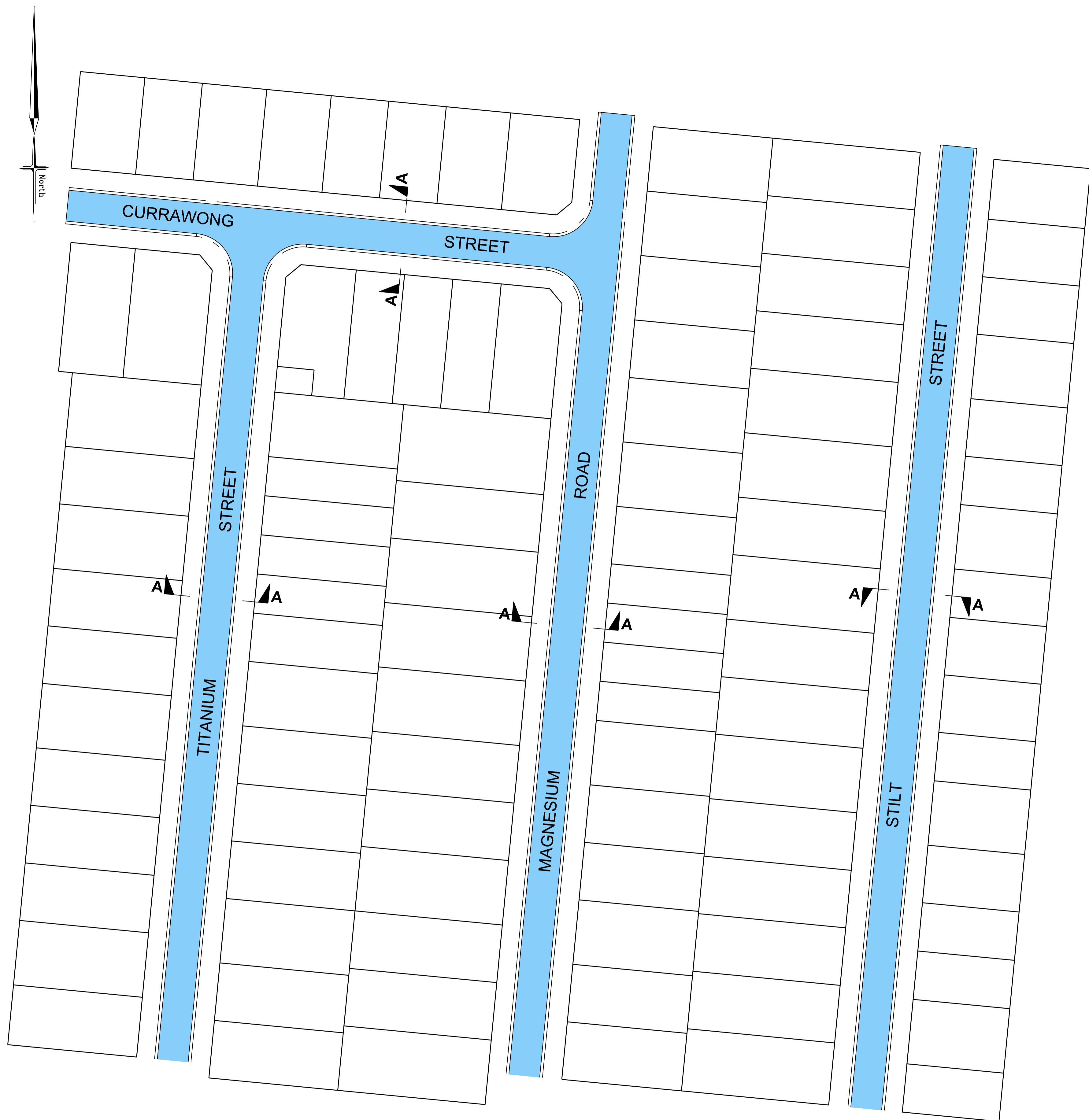
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 Track : 1.55  
 Lock to Lock Time : 6.00  
 Steering Angle : 33.00



AMENDMENTS	VER	DATE	REMARKS

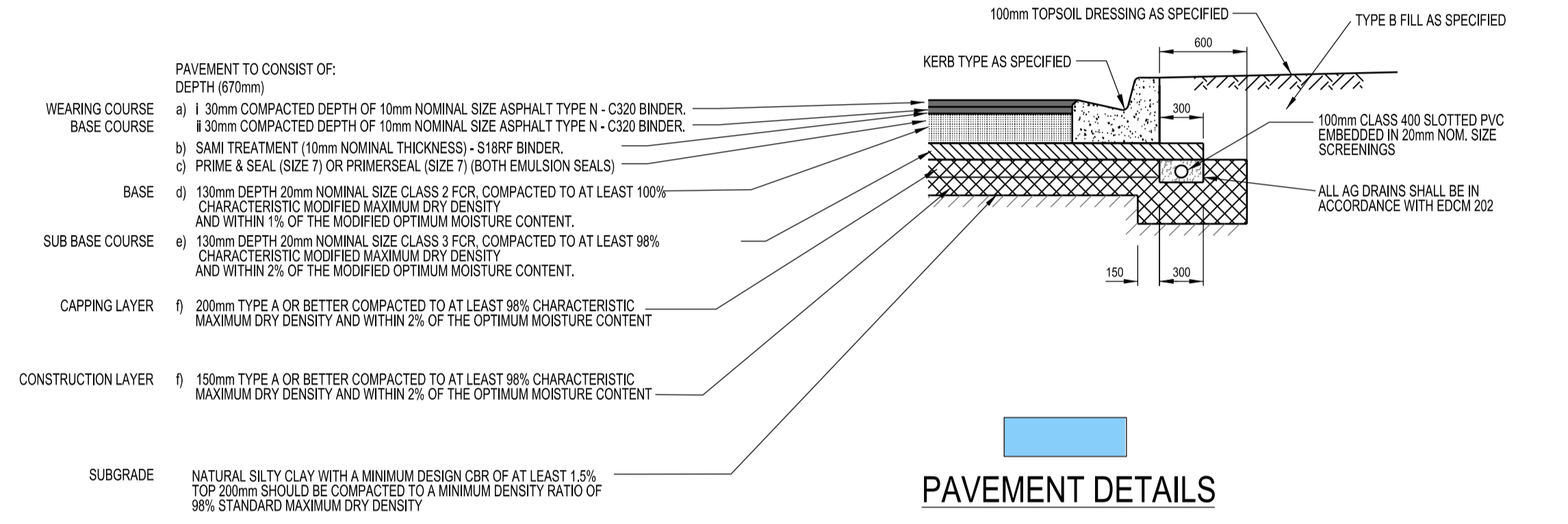
<p><b>breese pitt dixon pty. ltd.</b>          land surveyors civil engineers</p>	MELWAY REF. 386-F-3	<p><b>COLVERTON ESTATE</b>  <b>STAGE 328</b>  <b>SIGNAGE &amp; LINEMARKING PLAN</b></p>	MUNICIPALITY <b>HUME</b>		
	SURVEY VERIS		REFERENCE 8460E/328		
	DESIGN R.W.				
	DRAWN D.W.				
CHECKED A.K.	SCALE AS SHOWN	DATUM AHD	DATE FEB '22	SHEET 14 OF 16	P1

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

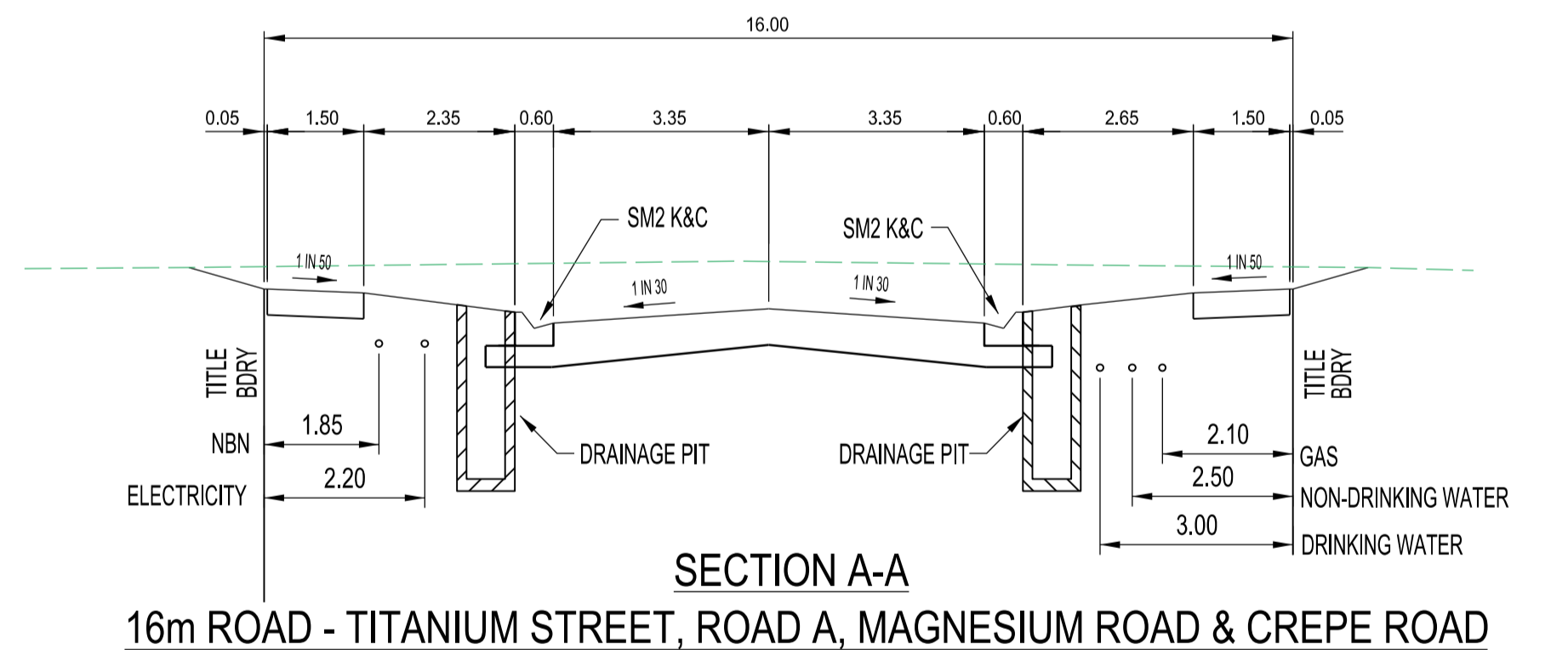


PLAN  
NTS

LEGEND  
670mm PAVEMENT  
(REFER DETAILS)



TITANIUM STREET, CURRAWONG STREET, MAGNESIUM ROAD & STILT STREET



AMENDMENTS		 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. 386-F-3	<b>CLOVERTON ESTATE STAGE 328 TYPICAL CROSS SECTIONS</b>		MUNICIPALITY <b>HUME</b>			
		SURVEY VERIS			REFERENCE 8460 <sup>E</sup> /328			
		DESIGN R.W.						
		DRAWN D.W.						
VER	DATE	REMARKS	CHECKED A.K.	SCALE AS SHOWN	DATUM AHD	DATE AUG'22	SHEET 15 OF 16	P1

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**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	300	450	15	300
500	300	500	15	300
600	300	500	30	300
800	300	550	30	300
1000	300	600	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 DEEPEMED 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 100KPa.

e. WHERE A PARALLEL SEWER IS PROPOSED ADJACENT TO THE RETAINING WALL, LOWER FOUNDED DEPTH 'D' TO ENSURE SEWER PIPE IS ABOVE THE 45° ANGLE OF REPOSE.

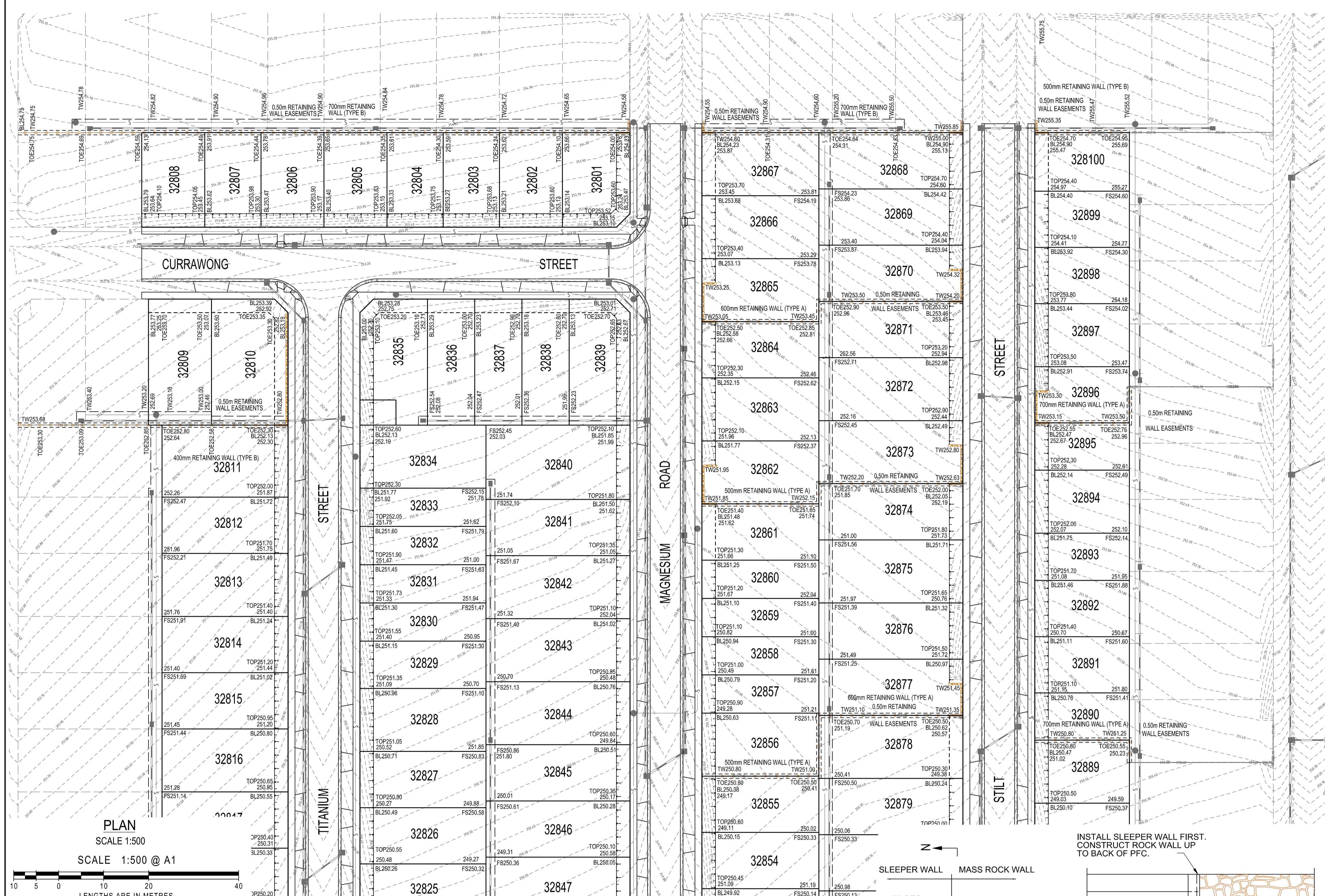
RETAINING WALL DETAILS ARE NOT PART OF THE SUB DIVISIONAL WORKS OR APPROVAL AND IS SUBJECT TO SEPARATE APPROVAL.

THIS SHEET IS SUPPLEMENTARY TO THE ENGINEERING PLANS.

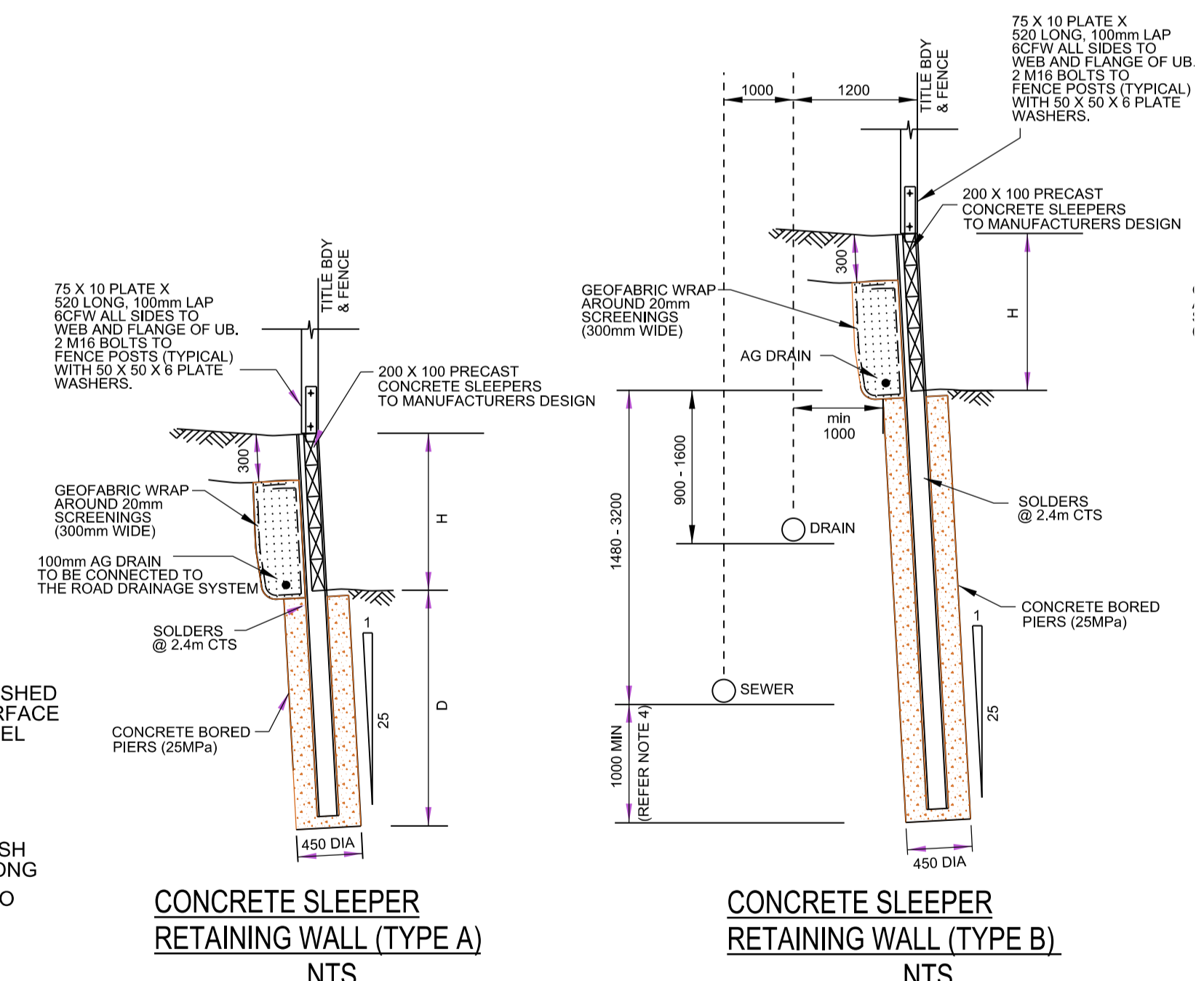
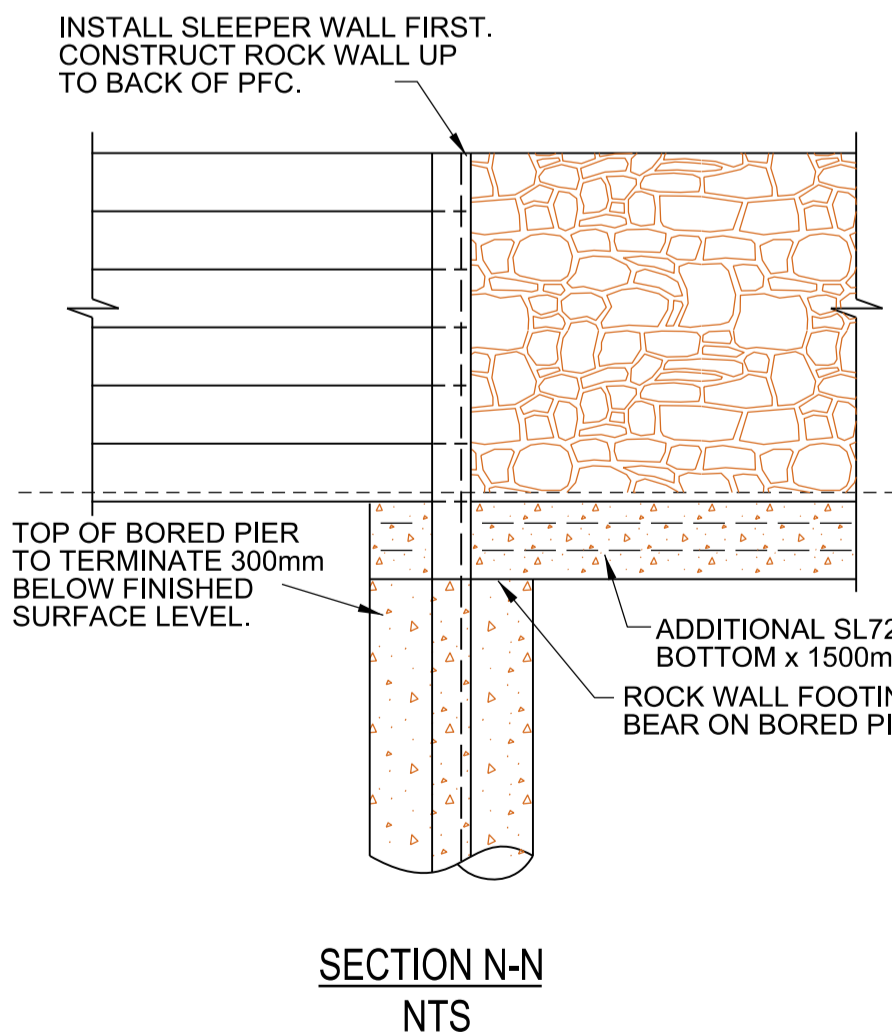
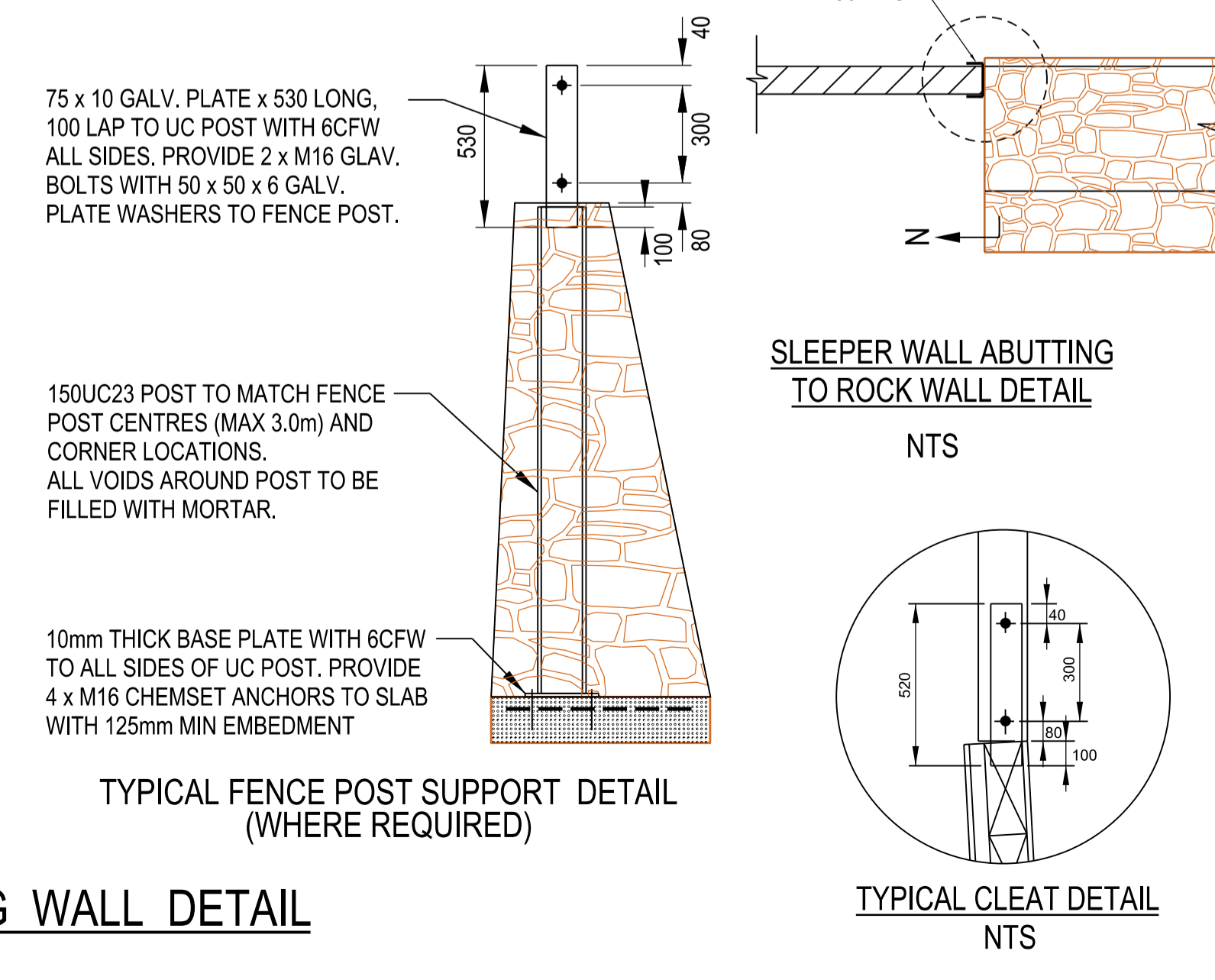
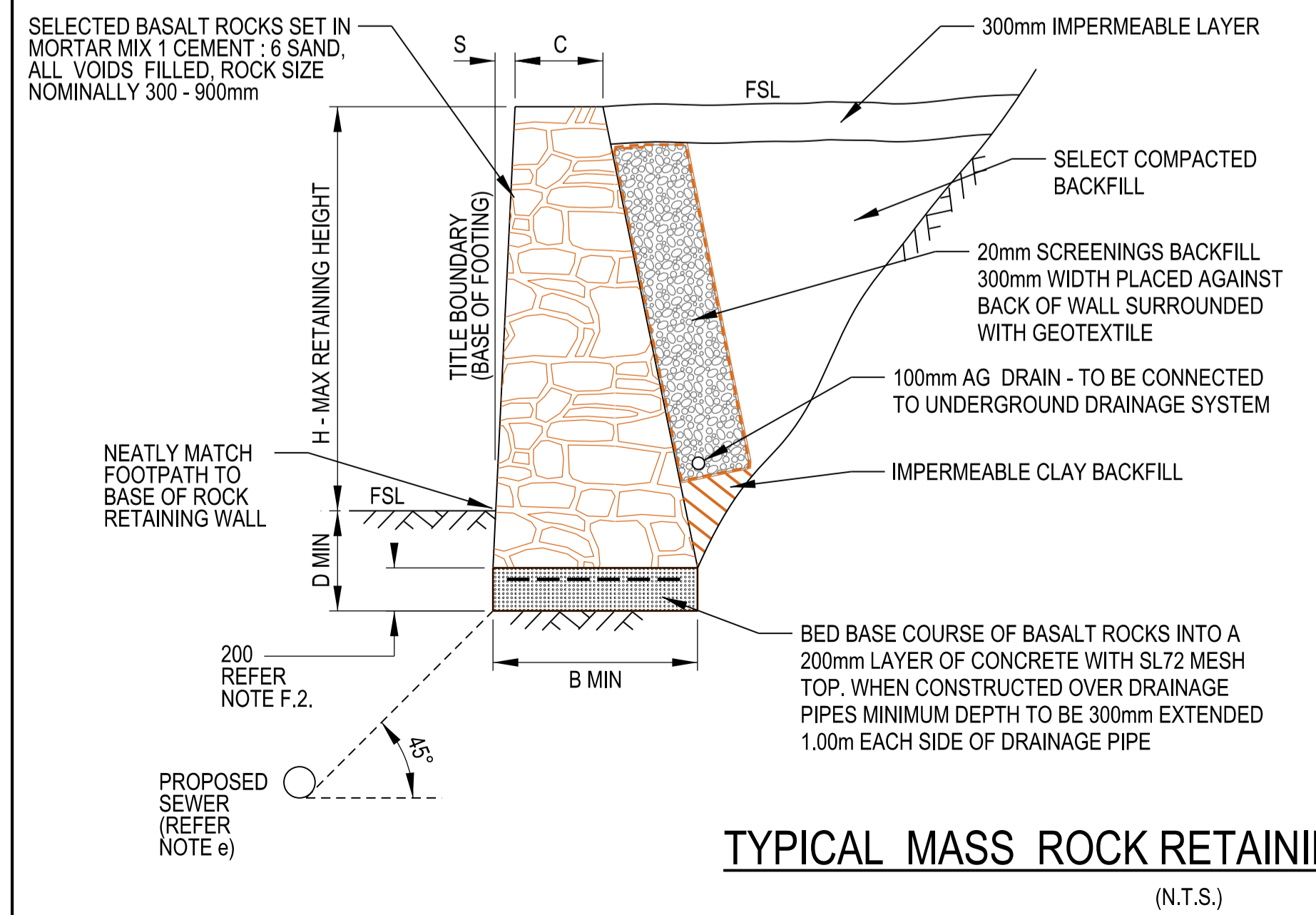
**CONCRETE SLEEPER RETAINING WALL DIMENSIONS**

MAX WALL HEIGHT - H (mm)	FOUNDING DEPTH - D (mm)	GALV. SOLDIER SIZE
400	600	150 UB 14
600	900	150 UB 14
800	1200	150 UB 14
1000	1500	150 UB 14

- NOTES:**
- ALL STEELWORK IS TO BE HOT DIPPED GALVANISED.
  - IF BEDROCK OR BASALT BOULDER IS STRUCK DURING PIER DRILLING PROVIDE 600 MIN SOCKET.
  - ALL SOLDIERS TO BE FOUNDED AT DEPTH 'D' OR 1000mm BELOW THE INVERT OF THE ADJACENT EXISTING SEWER, WHICHEVER IS THE GREATER.
  - WHERE A PARALLEL SEWER IS PROPOSED ADJACENT TO THE RETAINING WALL, PIER DEPTH 'D' IS TO BE EXTENDED 1.0m MIN BELOW SEWER PIPE. REFER SEWER LS FOR DEPTH.



**PLAN**  
SCALE 1:500  
SCALE 1:500 @ A1  
LENGTHS ARE IN METRES



AMENDMENTS	DATE	REMARKS	CHECKED	SCALE	DATUM	AHD	DATE	SHEET
				AS SHOWN			AUG 22	16 OF 16

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

**CLOVERTON ESTATE**  
**STAGE 328**  
**RETAINING WALL PLAN & DETAILS**

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hawthorn east, 3123  
telephone 8823 2300  
fax no. 8823 2310

MUNICIPALITY  
**HUME**  
REFERENCE  
8460 E/328