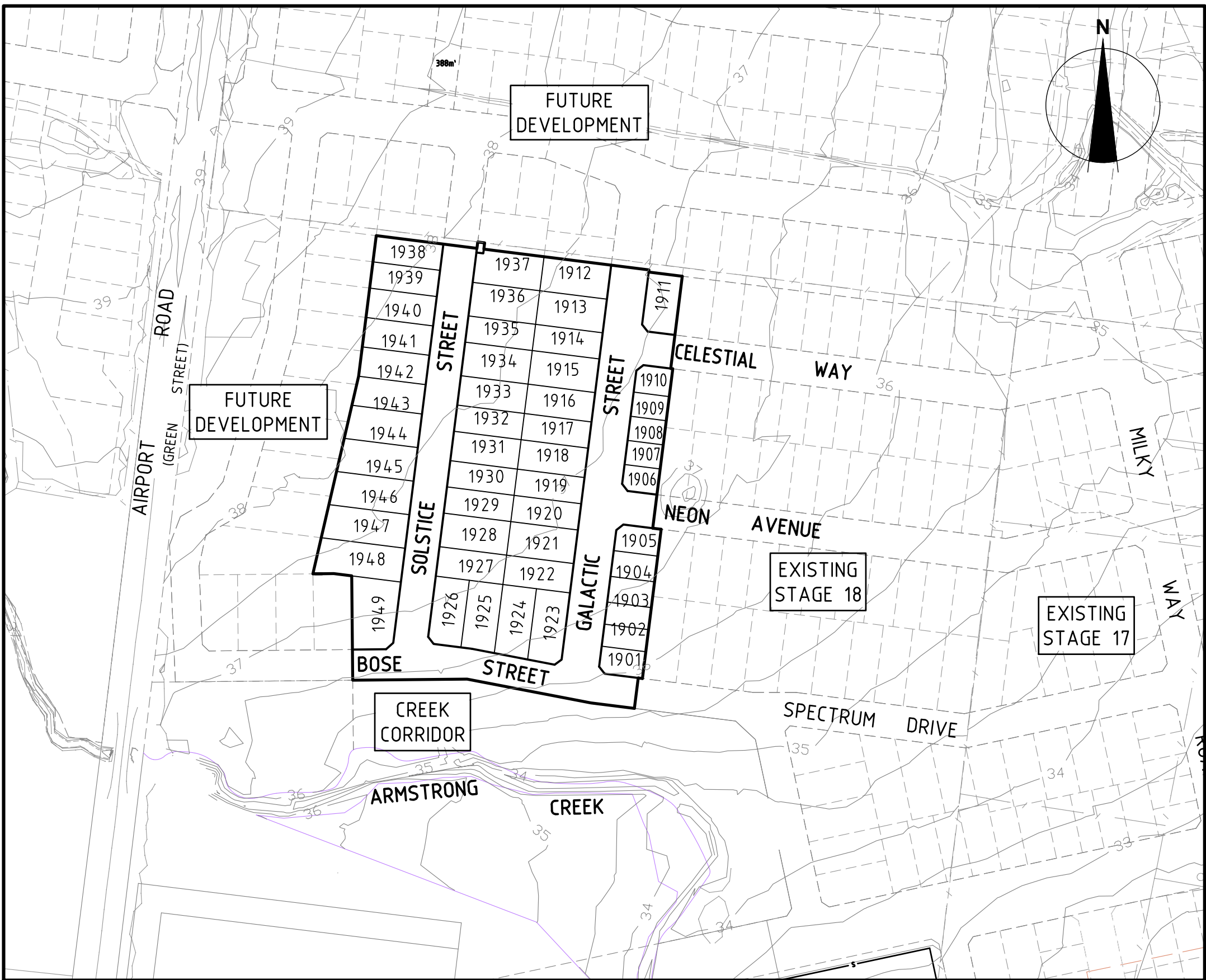


Armstrong Mt. Duneed

Stage 19

City of Greater Geelong



LOCALITY PLAN

MELWAYS REF: 479 F1
SCALE 1:2000
1:2000 20 0 20 40 60 80 100 A1
1:4000 A3

ARMSTRONG
MT DUNEED

villawood
properties
COMMUNITIES DESIGNED FOR LIVING

calibre
CONSULTING

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CALIBRE CONSULTING (MELB) PTY LTD
Level 2, 55 Southbank Boulevard
Southbank VIC 3006 T 03 9203 9000

AS CONSTRUCTED

Drawing Index

- M100611.19-C 01 Locality Plan
- M100611.19-C 02 Layout Plan
- M100611.19-C 03 Intersection Detail Plan
- M100611.19-C 04 Lip Profiles
- M100611.19-C 05 Setout Information - 1
- M100611.19-C 06 Setout Information - 2
- M100611.19-C 07 Longitudinal Sections - 1
- M100611.19-C 08 Longitudinal Sections - 2
- M100611.19-C 09 Longitudinal Sections - 3
- M100611.19-C 10 Bose Street Cross Sections - 1, CH353.473-CH420.000
- M100611.19-C 11 Bose Street Cross Sections - 2, CH440.000-CH488.584
- M100611.19-C 12 Galactic Street Cross Sections - 1, CH46.212-CH171.162
- M100611.19-C 13 Galactic Street Cross Sections - 2, CH180.000-CH235.089
- M100611.19-C 14 Celestial Way/Neon Avenue Cross Sections
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- M100611.19-C 16 Drainage Longitudinal Sections - 1
- M100611.19-C 17 Drainage Longitudinal Sections - 2
- M100611.19-C 18 Drainage Longitudinal Sections - 3
- M100611.19-C 19 Drainage Longitudinal Sections - 4
- M100611.19-C 20 Pit Schedule
- M100611.19-C 21 Drainage Pit Details
- M100611.19-C 22 General Notes & Details - 1
- M100611.19-C 23 General Notes & Details - 2
- M100611.19-C 24 Subdivision Setout Plan
- M100611.19-C 25 Signs & Linemarking Plan

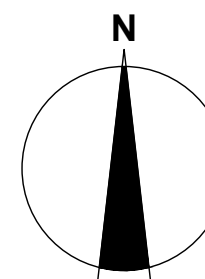
AS CONSTRUCTED SIGNATURES	
	DATE 27/3/17
SIGN CALIBRE CONSULTING (MELB) PTY LTD LEVEL 2, 55 SOUTHBANK BOULEVARD SOUTHBANK VIC 3006	
	DATE 27/03/2017
SIGN WINSLOW CONSTRUCTORS 50 Barry Road CAMPBELLFIELD VIC 3061	

- NOTES:**
1. ALL VEHICLE AND PRAM CROSSING LAYBACKS TO BE MINIMUM OF 1.0m FROM PITS.
 2. ALL PRAM CROSSINGS TO BE A MINIMUM 2.0m FROM VEHICLE CROSSINGS.
 3. ALL PRAM CROSSINGS TO BE DDA COMPLIANT.
 4. VEHICLE EXCLUSION MEASURES BETWEEN ROAD RESERVE AND RESERVE TO FORM PART OF LANDSCAPE WORKS.
 5. SIDE ENTRY PITS SHOWN OFFSET BY 1m FROM TANGENT POINTS, TO ACCOMMODATE CHANNEL DEPTH TRANSITION. FOR DETAILS REFER TO IDM STANDARD DRAWING SD430.
 6. ALL COORDINATES SHOWN ARE TO AHD.
 7. THE USE OF DIRECTIONAL AND HAZARD TACTILE PAVERS MUST ACCORD WITH SECTION 2.2.3.1 OF AS/NZS 1428.4:2002.
 8. EASTING AND NORTHING PROVIDED FOR DRAINAGE PIT SETOUT REFERS TO CENTRE OF PIT BASE.
 9. PIT DIMENSIONS SHOWN ON PLAN, REFER TO CENTRE OF PIT BASE.
 10. CONTRACTOR TO CONFIRM WITH CALIBRE CONSULTING REPRESENTATIVE, PRIOR TO THE REMOVAL OF ANY TREES.
 11. SEWER MAINTENANCE HOLE CONVERTER SLAB OR CONE TO BE ROTATED TO ENSURE COVER POSITION IS CENTRALLY LOCATED WITHIN FOOTPATH.

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.



AIRPORT ROAD
(GREEN STREET)

EXISTING SINGLE STOREY BRICK DWELLING AND ASSOCIATED STRUCTURES TO BE REMOVED AND DISPOSED OFFSITE (BY OTHERS)

FUTURE DEVELOPMENT

GRASS CATCH DRAIN. FOR DETAILS REFER TO IDM STD DWG 500

FOR TYPICAL SECTION A-A, REFER TO SHEET C22

ENDPIPE FOR FUTURE CONNECTION. ENDPIPE TO BE CAPPED PRIOR TO BACKFILLING

PROVIDE TEMPORARY TURN AROUND AREA IF FUTURE STAGE HAS NOT COMMENCED

FUTURE DEVELOPMENT

ENDPIPE FOR FUTURE CONNECTION. ENDPIPE TO BE CAPPED PRIOR TO BACKFILLING

GROUND COORDINATES
E 265 455.076
N 5 766 010.018
RL 37.400
STAR PICKET

ENDPIPE FOR FUTURE CONNECTION. ENDPIPE TO BE CAPPED PRIOR TO BACKFILLING

AS CONSTRUCTED SIGNATURES

SIGN
CALIBRE CONSULTING (MELB) PTY LTD
LEVEL 2, 55 SOUTHBANK BOULEVARD
SOUTHBANK VIC 3006

DATE
27/03/2017

SIGN
WINLOW CONSTRUCTORS
50 Barry Road
CAMPBELLFIELD VIC 3081

DATE
27/03/2017

PROPOSED GRASS CATCH DRAIN, TO MATCH NEATLY TO EXISTING GRASS CATCH DRAIN

EXISTING CATCH DRAIN TO BE EXCAVATED TO A SOUND BASE, FILLED AND COMPACTED TO THE SATISFACTION OF THE SUPERVISING ENGINEER

CONNECT TO EXISTING ENDPIPE

EXISTING STAGE 18

CELESTIAL WAY

REMOVE EXISTING TEMPORARY TURN AROUND AREA, CONCRETE EDGE STRIP, "NO ROAD" SIGN & BARRIER AND MATCH NEATLY INTO EXISTING CONSTRUCTION

CONNECT TO EXISTING STUB

EXISTING STAGE 18

EXISTING CATCH DRAIN TO BE EXCAVATED TO A SOUND BASE, FILLED AND COMPACTED TO THE SATISFACTION OF THE SUPERVISING ENGINEER

EXISTING STAGE 18

NEON AVENUE

REMOVE EXISTING TEMPORARY TURN AROUND AREA, CONCRETE EDGE STRIP, "NO ROAD" SIGN & BARRIER AND MATCH NEATLY INTO EXISTING CONSTRUCTION

DEMOLISH PIT (EX.97) AND RECONSTRUCT PIT IN NEW LOCATION.

EXISTING CATCH DRAIN TO BE EXCAVATED TO A SOUND BASE, FILLED AND COMPACTED TO THE SATISFACTION OF THE SUPERVISING ENGINEER

CONNECT TO EXISTING ENDPIPE

REMOVE EXISTING TEMPORARY TURN AROUND AREA, CONCRETE EDGE STRIP, "NO ROAD" SIGN & BARRIER AND MATCH NEATLY INTO EXISTING CONSTRUCTION

CONNECT TO EXISTING ENDPIPE

CONNECT TO EXISTING ENDPIPE

CONNECT TO EXISTING ENDPIPE

CONNECT TO EXISTING ENDPIPE

LEGEND

- E Electricity (Underground)
- G Gas
- T Telstra
- W Water
- SW Stormwater Drain, Pit and Property Inlet
- SD Sewer, Maintenance Structures and Property Connection
- HD House Drain
- GW Gas & Water Conduits
- GW Tactile Paver - Directional
- GW Tactile Paver - Hazard
- Ex E Existing Electricity (Underground)
- Ex H Existing Electricity (Overhead)
- Ex G Existing Gas
- Ex T Existing Telstra
- Ex W Existing Water
- Ex D Existing Stormwater Drain
- Ex S Existing Sewer
- Ex H Existing House Drain
- Ex T Existing Tree to Remain
- Ex R Existing Tree to be Removed
- Ex S Existing Swale Drain
- ES14134 Existing Surface Level
- FN1430 Finished Building Line Level
- FR1540 Finished Ridge Line Level
- TW1530 Top of Retaining Wall
- BW1530 Bottom of Retaining Wall
- Retaining Wall
- Intersection Threshold Treatment
- Structural Fill > 200mm Deep
- Ex. Structural Fill > 200mm Deep
- Proposed Driveway
- Allotment to be graded evenly in direction of fall to levels indicated
- Direction of Fall
- Overland Flow
- Permanent Survey Mark
- Temporary Bench Mark
- Concrete Edge Strip with Subsoil Drain underneath "No Road" sign and Barrier
- Building Envelope
- Limit of Works

REV	DATE	COMMENTS
AC	14/03/17	AS CONSTRUCTED ISSUE
10	18/01/17	D/W LOTS 1929 & 1937 & GW CONDUIT LOT 1929 AMENDED
9	17/01/17	LOT 1931 CROSSING RELOCATED TO SOUTH SIDE
8	12/12/16	LOT 1928 CROSSING RELOCATED TO SOUTH SIDE
7	19/07/16	44EP ADDED
6	13/07/16	D/W LOT 1922 & GW CONDUIT LOTS 1904, 1922 AMENDED
5	27/06/16	PIT NO.1 E-N UPDATED
4	06/06/16	SEWER ALIGNMENT AMENDED (LOT 1904-1964)
3	20/05/16	POS AMENDED LOTS 1901-1905 & 1964
2	21/01/16	SOS AND GW CONDUITS AMENDED
1	27/10/15	ELECTRICITY KIOSK ADDED TO LOT 1937
0	09/09/15	CONSTRUCTION ISSUE
E	07/09/15	POS AMENDED
D	18/08/15	STAGE LIMIT AMENDED
C	19/06/15	ADDITIONAL COUNCIL COMMENTS, DATED 17/06/15
B		COUNCIL COMMENTS DATED 26/05/15
A		ISSUED FOR APPROVAL



ARMSTRONG
MT DUNED

STAGE 19



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Level 2, 55 Southbank Boulevard
Southbank VIC 3006 T 03 9203 9000

LAYOUT PLAN

1:500 10 5 0 10 20 A1
1:1000 A3

SCALE @ A1	DRAWN	DESIGNED
1:500	R.KOZUL	R.KOZUL
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
J.CONSIGLIO	T.PALIOS	MARCH 2015

AS CONSTRUCTED

SIGNED	DATE
DRAWING NUMBER	REVISION
M100611.19-C02	AC

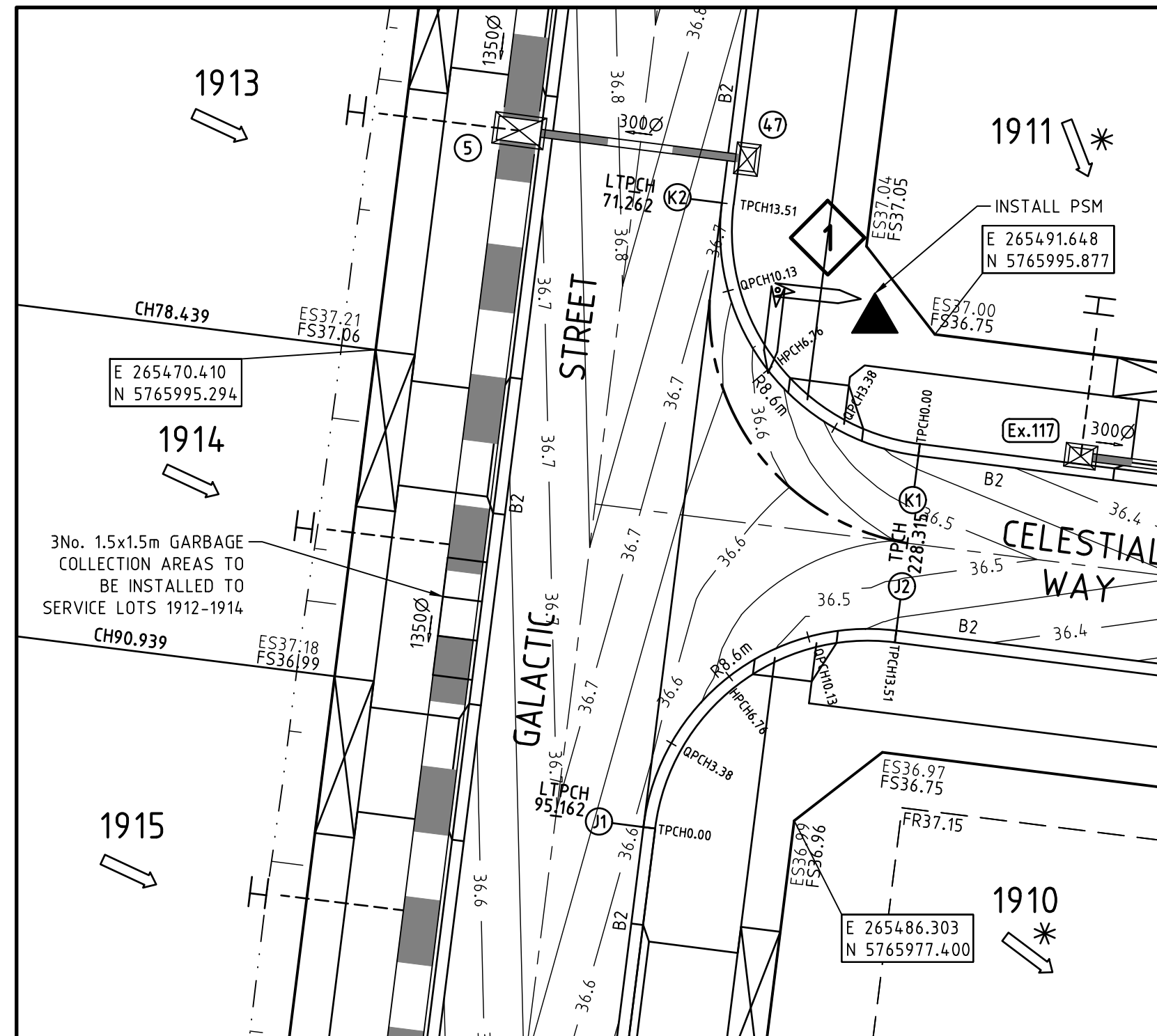
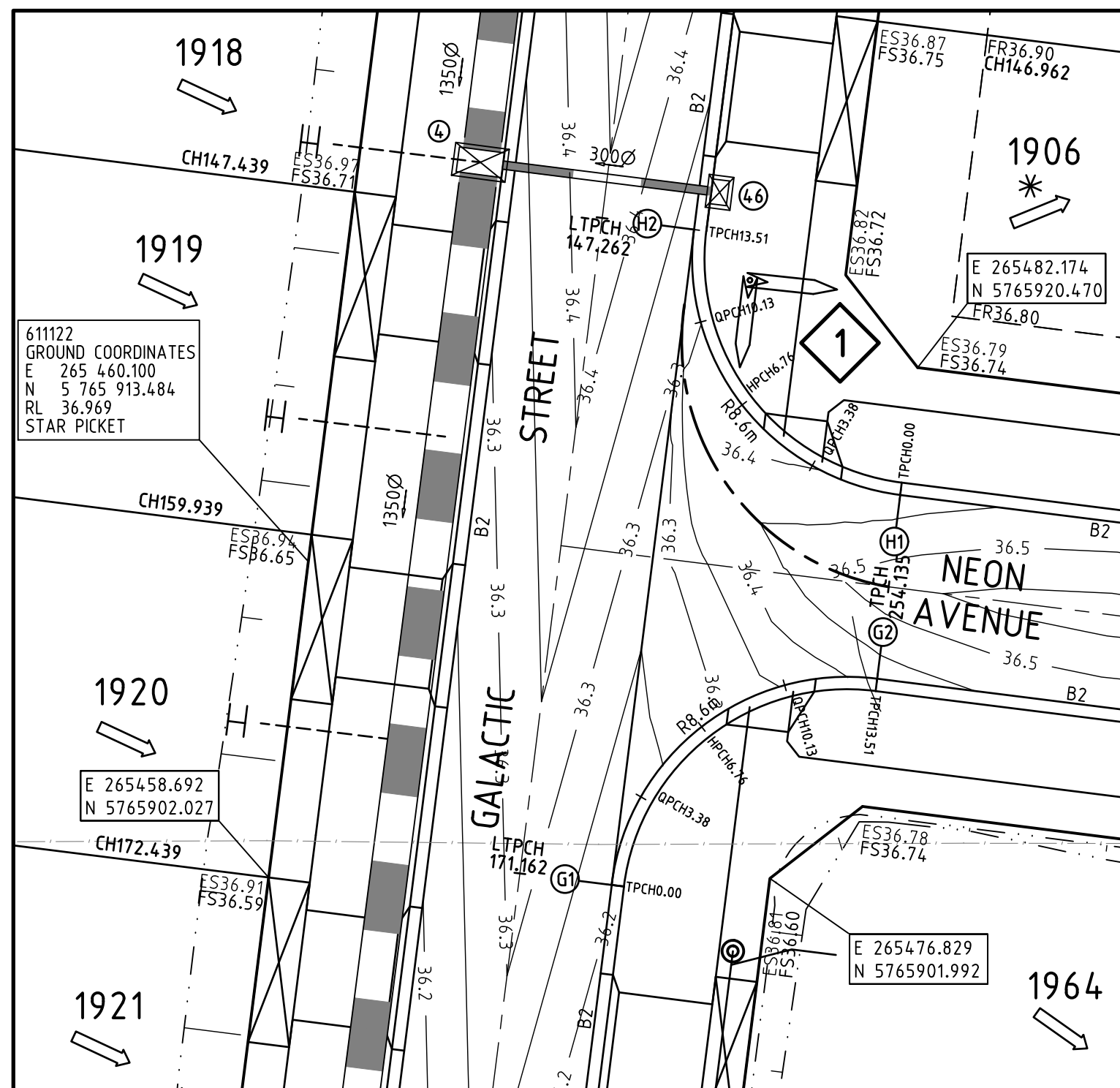
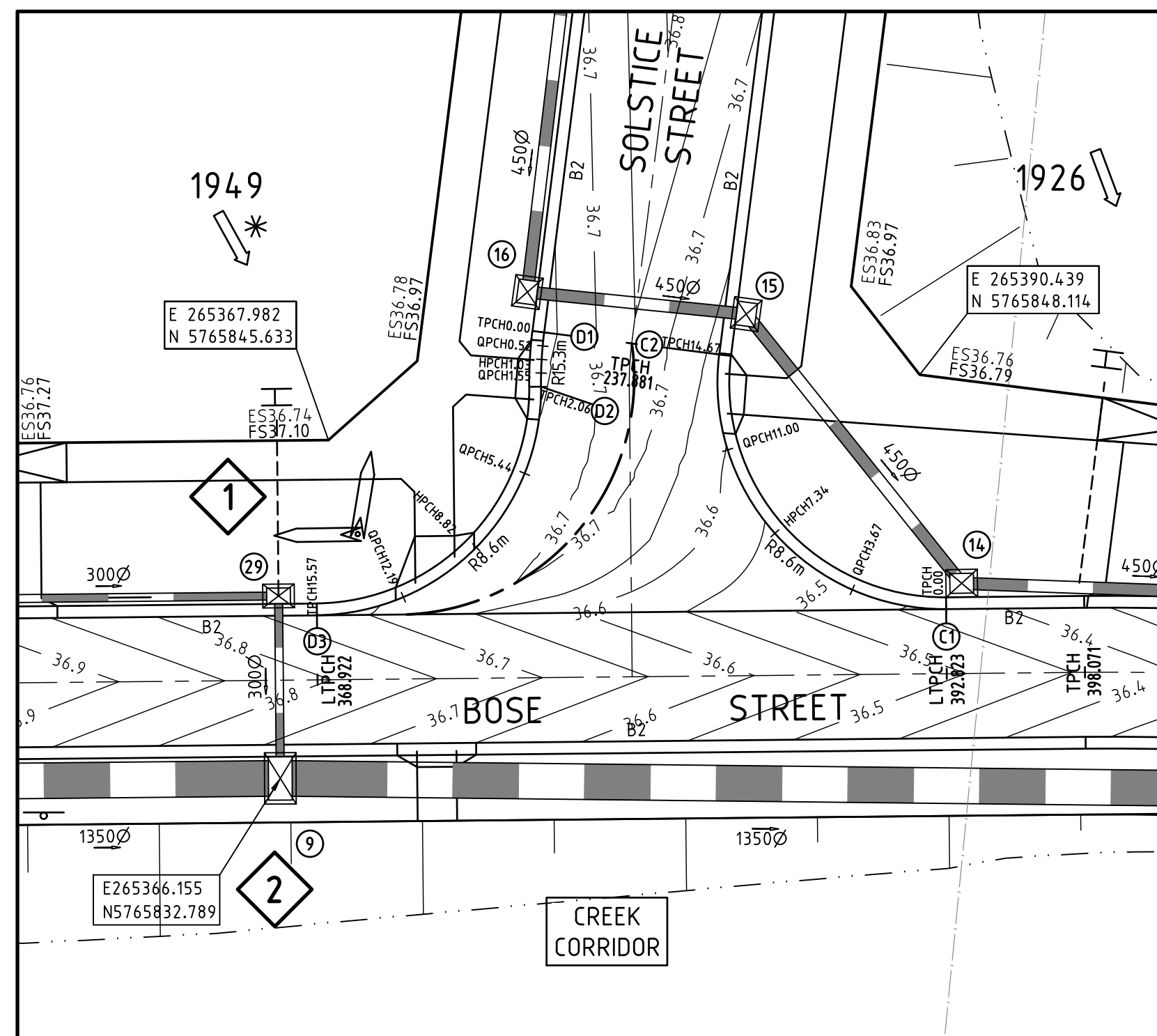
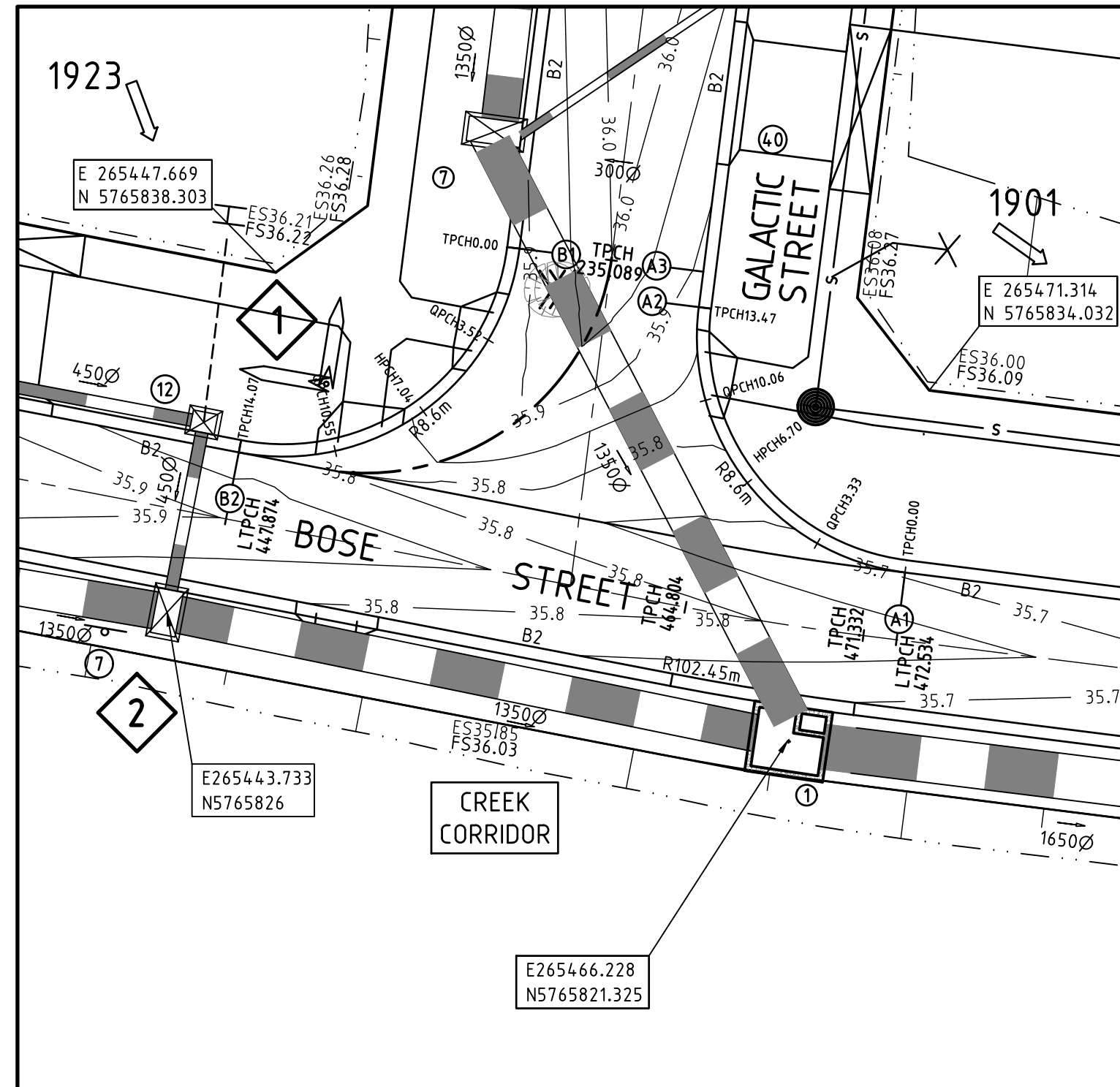
SERVICES OFFSET SCHEDULE										
ROAD NAME	GAS		RECYCLED WATER		WATER		ELECTRICITY		COMMUNICATION	
	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)
CELESTIAL WAY	SOUTH	2.10	SOUTH	2.60	SOUTH	3.10	NORTH	2.60	NORTH	1.775
NEON AVENUE	NORTH	2.10	NORTH	2.60	NORTH	3.10	SOUTH	2.70	SOUTH	1.775
GALACTIC STREET	WEST	2.10	WEST	2.60	WEST	3.10	EAST	2.60	EAST	1.775
SOLSTICE STREET	WEST	2.10	WEST	2.60	WEST	3.10	EAST	2.60	EAST	1.775
BOSE STREET	NORTH	4.10 (BOK)	NORTH	3.60 (BOK)	NORTH	3.10 (BOK)	NORTH	1.50 (BOK)	NORTH	2.100 (BOK)

ROAD LAYOUT TABLE									
ROAD NAME	ROAD CLASSIFICATION	RESERVE WIDTH (m)	ROAD WIDTH (m)			KERB TYPE		VERGE WIDTH (m)	
			LIP to LIP	INV to INV	BACK to BACK	NTH/WEST	STH/EAST	NTH/WEST	STH/EAST
CELESTIAL WAY	ACCESS	16.00	6.70	7.30	7.60	B2	B2	4.20	4.20
NEON AVENUE	ACCESS	16.00	6.70	7.30	7.60	B2	B2	4.20	4.20
GALACTIC STREET	ACCESS	18.00	6.70	7.30	7.60	B2	B2	5.20	5.20
SOLSTICE STREET	ACCESS	16.00	6.70	7.30	7.60	B2	B2	4.20	4.20
BOSE STREET	ACCESS	14.50	4.90	5.50	5.80	B2	B2	2.50	6.20

11/10/15 M100611.19-C02 (VILLAWOOD) M100611.19-C02.DWG



A.C.N. 109 448 982



AS CONSTRUCTED SIGNATURES

SIGN: CALIBRE CONSULTING (MELB) PTY LTD
LEVEL 2, 55 SOUTHBANK BOULEVARD
SOUTHBANK VIC 3008

DATE: 27/03/2017

SIGN: WINSLOW CONSTRUCTORS
50 Barry Road
CAMPBELLFIELD VIC 3081

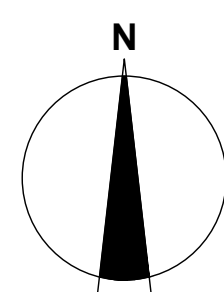
- LEGEND**
- Electricity (Underground)
 - Gas
 - Telstra
 - Water
 - Stormwater Drain, Pit and Property Inlet
 - Swale Drain
 - Sewer, Maintenance Structures and Property Connection
 - House Drain
 - Gas & Water Conduits
 - Tactile Paver - Directional
 - Tactile Paver - Hazard
 - Existing Electricity (Underground)
 - Existing Electricity (Overhead)
 - Existing Gas
 - Existing Telstra
 - Existing Water
 - Existing Stormwater Drain
 - Existing Sewer
 - Existing House Drain
 - Existing Tree to Remain
 - Existing Tree to be Removed
 - Existing Swale Drain
 - Existing Surface Level
 - Finished Building Line Level
 - Finished Ridge Line Level
 - Top of Retaining Wall
 - Bottom of Retaining Wall
 - Retaining Wall
 - Intersection Threshold Treatment
 - Structural Fill > 200mm Deep
 - Ex. Structural Fill > 200mm Deep
 - Proposed Driveway
 - Allotment to be graded evenly in direction of fall to levels indicated
 - Direction of Fall
 - Overland Flow
 - Permanent Survey Mark
 - Temporary Bench Mark
 - Concrete Edge Strip with Subsoil Drain underneath "No Road" sign and Barrier
 - Building Envelope
 - Limit of Works

SIGN SCHEDULE

SIGN	REF
	1
STREET SIGN	
	2
R5-35	

LINEMARKING & SIGNAGE NOTES:

- ALL LINE MARKING AND SIGNAGE TO BE INSTALLED IN ACCORDANCE WITH AS 1742.1 AND AS 1742.2, UNLESS SPECIFICALLY SHOWN OTHERWISE.
- LINEMARKING IS TO BE INSTALLED USING EXTRUDED LONG LIFE THERMOPLASTIC PAINT. TEMPORARY LINEMARKING USING ORDINARY PAINT IS TO BE APPLIED WHEN WEARING COURSE ASPHALT IS NOT APPLIED FOR A PERIOD OF TIME E.G. AT PRACTICAL COMPLETION.
- ALL TEMPORARY WARNING SIGNS USED DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH AS 1742-3.
- LINEMARKING SET OUT SHALL BE INSPECTED AND APPROVED BY COUNCIL BEFORE FINAL LINEMARKING IS CARRIED OUT.



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.

NOTES

- REFER TO SHEET No C04 FOR LIP PROFILES.
- REFER TO SHEET No's C05 - C06 FOR SETOUT INFORMATION.



A.C.N. 109 448 982



ARMSTRONG
MT DUNEED

STAGE 19



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Level 2, 55 Southbank Boulevard
Southbank VIC 3008 T 03 9203 9000

TITLE

INTERSECTION DETAIL PLAN

1:200 2 0 2 4 6 8 10 A1
1:400 A3

SCALE @ A1	DRAWN	DESIGNED
1:200	R.KOZUL	R.KOZUL
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
J.CONSIGLIO	T.PALIOS	MARCH 2015

AS CONSTRUCTED

SIGNED	DATE
DRAWING NUMBER	REVISION
M100611.19-C03	AC

BOSE STREET DESIGN LINE

CHAINAGE	EASTING	NORTHING	BEARING	
353.473	265352.120	5765836.376	89°26'10"	TC
398.071	265396.715	5765836.815	89°26'10"	
400.000	265398.644	5765836.815	90°32'30"	
404.000	265402.642	5765836.697	92°50'00"	
408.000	265406.632	5765836.420	95°07'31"	CT
412.000	265410.608	5765835.983	97°25'01"	
416.000	265414.563	5765835.387	99°42'32"	
418.073	265416.603	5765835.016	100°53'47"	
464.803	265462.491	5765826.183	100°53'47"	TC
468.000	265465.639	5765825.629	99°03'54"	
471.323	265468.928	5765825.160	97°09'40"	CT
488.584	265486.055	5765823.008	97°09'40"	IP

--- IP Details ---

IP 1

coordinate = 265352.120 5765836.376
chainage = 353.473

IP 2

coordinate = 265406.7492 5765836.9133
centre = 265397.6991 5765736.8194
radius = 100.0000
length = 20.0020
intersect angle = 11°27'37"

start tangent

coordinate = 265396.7152 5765836.8145
length = 10.0345
chainage = 398.0709
bearing = 89°26'10"

end tangent

coordinate = 265416.6027 5765835.0164
length = 10.0345
chainage = 418.0729
bearing = 100°53'47"

IP 3

coordinate = 265465.6928 5765825.5662
centre = 265481.3942 5765924.3797
radius = -100.0000
length = 6.5196
intersect angle = 3°44'08"

start tangent

coordinate = 265462.4907 5765826.1827
length = 3.2609
chainage = 464.8033
bearing = 100°53'47"

end tangent

coordinate = 265468.9283 5765825.1597
length = 3.2609
chainage = 471.3229
bearing = 97°09'40"

IP 4

coordinate = 265486.0549 5765823.0079
chainage = 488.5842

GALACTIC STREET DESIGN LINE

CHAINAGE	EASTING	NORTHING	BEARING	
46.212	265483.357	5766026.147	187°09'40"	IP
100.000	265476.652	5765972.779	187°09'40"	
200.000	265464.186	5765873.559	187°09'40"	
235.089	265459.812	5765838.744	187°09'40"	

--- IP Details ---

IP 1

coordinate = 265483.3571 5766026.1470
chainage = 46.2123

IP 2

coordinate = 265459.8119 5765838.7440
chainage = 235.0886

CELESTIAL STREET DESIGN LINE

CHAINAGE	EASTING	NORTHING	BEARING	
215.265	265503.550	5765986.319	277°09'40"	IP
228.315	265490.601	5765987.946	277°09'40"	

--- IP Details ---

IP 1

coordinate = 265503.5497 5765986.3191
chainage = 215.2653

IP 2

coordinate = 265490.6015 5765987.9460
chainage = 228.3153

NEON AVENUE DESIGN LINE

CHAINAGE	EASTING	NORTHING	BEARING	
240.086	265495.068	5765910.787	277°09'40"	IP
254.135	265481.128	5765912.539	277°09'40"	

--- IP Details ---

IP 1

coordinate = 265495.0678 5765910.7873
chainage = 240.0856

IP 2

coordinate = 265481.1281 5765912.5387
chainage = 254.1349

SOLSTICE STREET DESIGN LINE

CHAINAGE	EASTING	NORTHING	BEARING	
49.469	265402.989	5766036.244	187°09'40"	IP
100.000	265396.690	5765986.107	187°09'40"	
200.000	265384.224	5765886.887	187°09'40"	
222.881	265381.371	5765864.185	187°09'40"	
237.881	265379.502	5765849.302	187°09'40"	IP

--- IP Details ---

IP 1

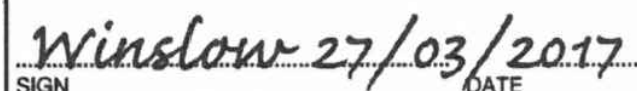
coordinate = 265402.9889 5766036.2444
chainage = 49.4688

IP 2

coordinate = 265379.5016 5765849.3020
chainage = 237.8809

NOTES

- SETOUT CO-ORDINATES REFER TO LIP OF KERB/EDGE OF CONCRETE.
- REFER TO SHEET NUMBER C04 FOR LIP PROFILES.

AS CONSTRUCTED SIGNATURES	
	27/3/17
SIGN CALIBRE CONSULTING (MELB) PTY LTD LEVEL 2, 55 SOUTHBANK BOULEVARD SOUTHBANK VIC 3006	DATE
	27/03/2017
SIGN WINSLOW CONSTRUCTORS 50 Barry Road CAMPBELLFIELD VIC 3081	DATE

AC	14/03/17	AS CONSTRUCTED ISSUE
D	09/09/15	CONSTRUCTION ISSUE
C	07/09/15	BOSE ST. SETOUT AMENDED
B		NOTE 2 AMENDED
A		ISSUED FOR APPROVAL
	DATE	COMMENTS



CALIBRE CONSULTING (MELB) PTY LTD
Level 2, 55 Southbank Boulevard
Southbank VIC 3006
T 03 9203 9000

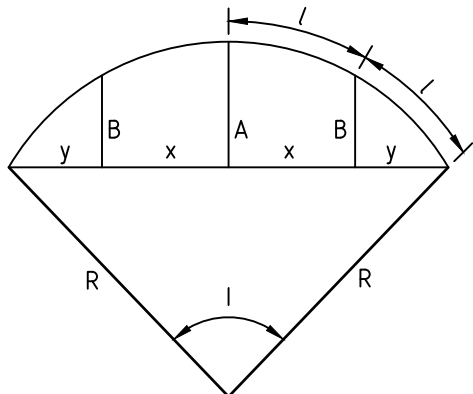
SETOUT INFORMATION - 1

SCALE @ A1 NTS	DRAWN R.KOZUL	DESIGNED R.KOZUL
PROJECT ENGINEER J.CONSIGLIO	PROJECT MANAGER T.PALIOS	DATE FIRST ISSUE MARCH 2015

AS CONSTRUCTED	
SIGNED	DATE
DRAWING NUMBER M100611.19-C05	REVISION AC



Alignment A										
Point no	Easting	Northing	RL							
A1	265470.436	5765827.440	35.694							
A2	265462.975	5765837.045	35.871							
A3	265463.136	5765838.326	35.888							
Curve no	L	Radius	Arc	A	B	X	Y	L	Mid point	RL
A1 - A2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	35.782	
Alignment B										
Point no	Easting	Northing	RL							
B1	265456.488	5765839.162	35.888							
B2	265446.329	5765831.789	35.817							
Curve no	L	Radius	Arc	A	B	X	Y	L	Mid point	RL
B1 - B2	93.737	8.600	14.070	2.720	2.011	3.420	2.856	3.517	35.852	
Alignment C										
Point no	Easting	Northing	RL							
C1	265391.443	5765839.213	36.427							
C2	265382.825	5765848.884	36.633							
Curve no	L	Radius	Arc	A	B	X	Y	L	Mid point	RL
C1 - C2	97.725	8.600	14.668	2.942	2.172	3.557	2.920	3.667	36.541	
Alignment D										
Point no	Easting	Northing	RL							
D1	265376.178	5765849.720	36.633							
D2	265376.059	5765847.662	36.644							
D3	265367.544	5765838.978	36.724							
Curve no	L	Radius	Arc	A	B	X	Y	L	Mid point	RL
D1 - D2	7.725	15.300	2.063	0.035	0.026	0.516	0.515	0.516	36.639	
D2 - D3	90.001	8.600	13.509	2.519	1.864	3.291	2.790	3.377	36.677	
Alignment G										
Point no	Easting	Northing	RL							
G1	265471.105	5765901.754	36.207							
G2	265480.710	5765909.215	36.421							
Curve no	L	Radius	Arc	A	B	X	Y	L	Mid point	RL
G1 - G2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	36.286	
Alignment H										
Point no	Easting	Northing	RL							
H1	265481.546	5765915.863	36.421							
H2	265474.084	5765925.468	36.327							
Curve no	L	Radius	Arc	A	B	X	Y	L	Mid point	RL
H1 - H2	90.005	8.600	13.510	2.519	1.864	3.291	2.790	3.377	36.374	
Alignment J										
Point no	Easting	Northing	RL							
J1	265480.579	5765977.161	36.587							
J2	265490.184	5765984.622	36.433							
Curve no	L	Radius	Arc	A	B	X	Y	L	Mid point	RL
J1 - J2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	36.529	
Alignment K										
Point no	Easting	Northing	RL							
K1	265491.019	5765991.270	36.433							
K2	265483.558	5766000.875	36.706							
Curve no	L	Radius	Arc	A	B	X	Y	L	Mid point	RL
K1 - K2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	36.574	



LIP PROFILE SETOUT

AS CONSTRUCTED SIGNATURES	
	27/3/17
SIGN	DATE
CALIBRE CONSULTING (MELB) PTY LTD LEVEL 2, 55 SOUTHBANK BOULEVARD SOUTHBANK VIC 3008	
	27/03/2017
SIGN	DATE
WINSLOW CONSTRUCTORS 50 Barry Road CAMPBELLFIELD VIC 3081	

AC	14/03/17	AS CONSTRUCTED ISSUE
O	09/09/15	CONSTRUCTION ISSUE
B	07/09/15	ALIGNMENT E & F REMOVED
A		ISSUED FOR APPROVAL
	DATE	COMMENTS

CLIENT

COMMUNITIES DESIGNED FOR LIVING

PROJECT

STAGE 19

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Level 2, 55 Southbank Boulevard
Southbank VIC 3006 T 03 9203 9000

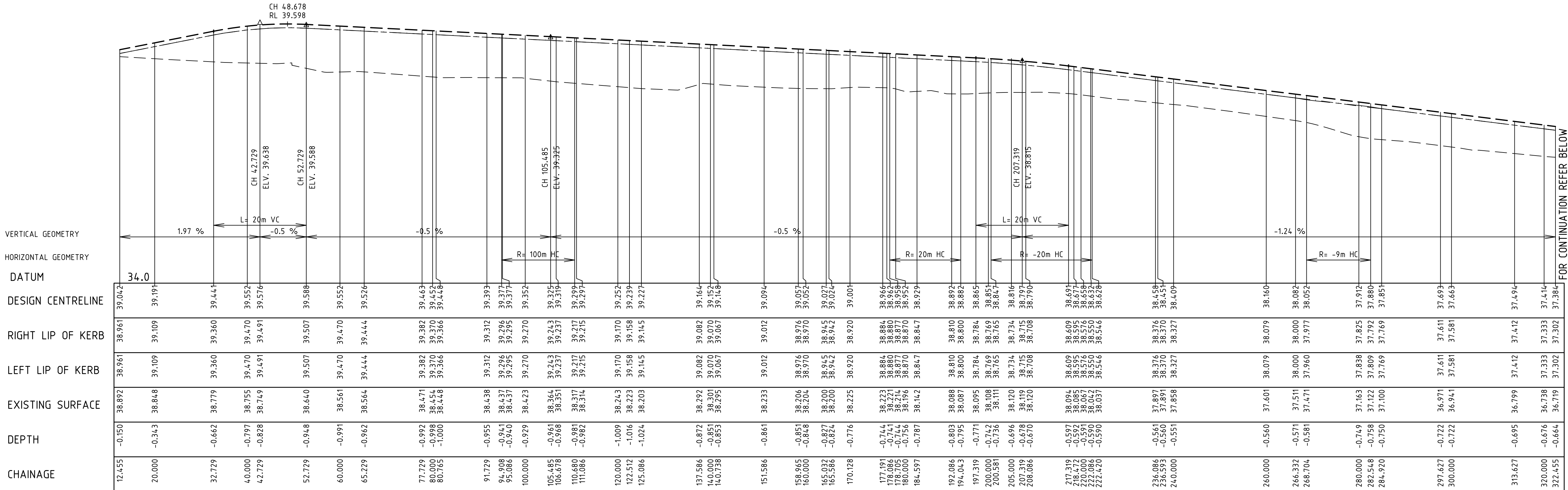
TITLE

SETOUT INFORMATION - 2

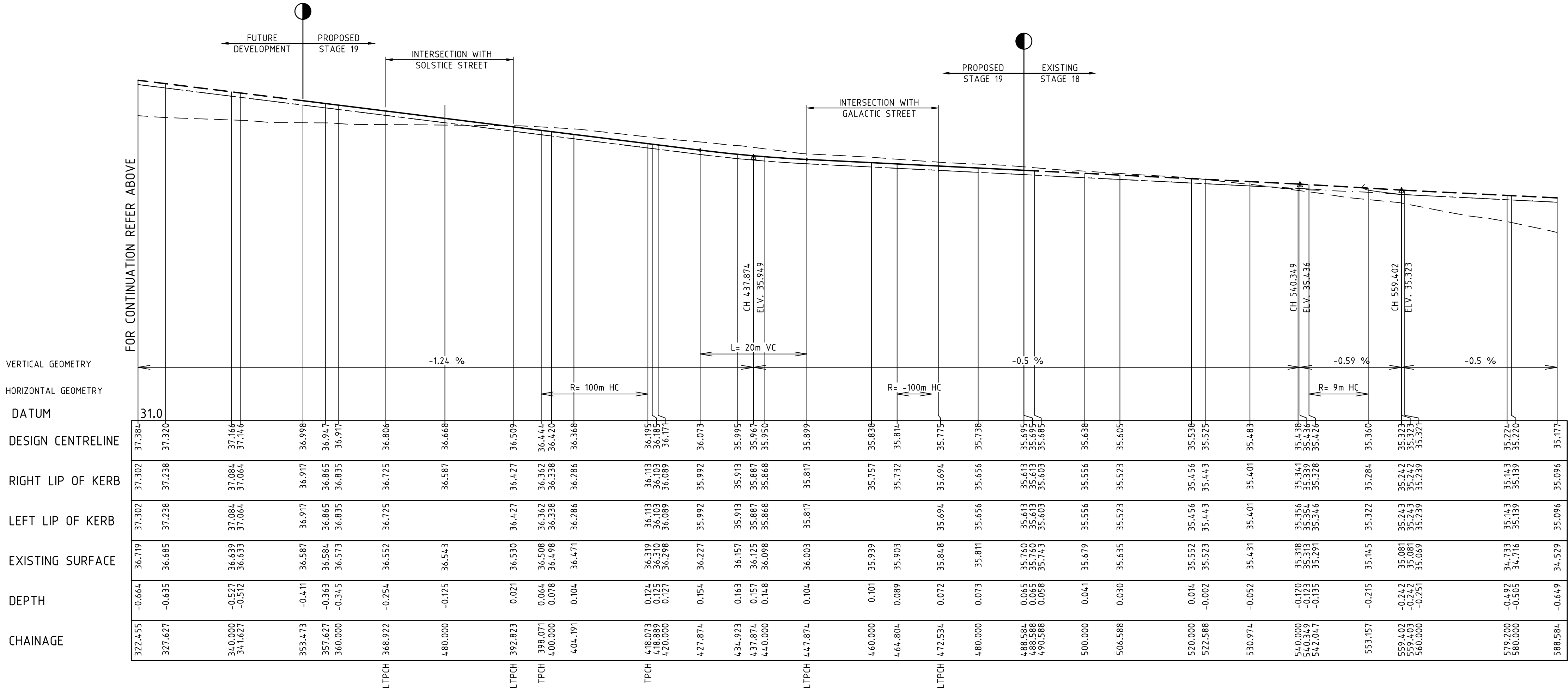
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NTS	R.KOZUL	R.KOZUL
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
J.CONSIGLIO	T.PALIOS	MARCH 2015

AS CONSTRUCTED

SIGNED	DATE
DRAWING NUMBER	REVISION
M100611.19-C06	AC



BOSE STREET LONGITUDINAL SECTION

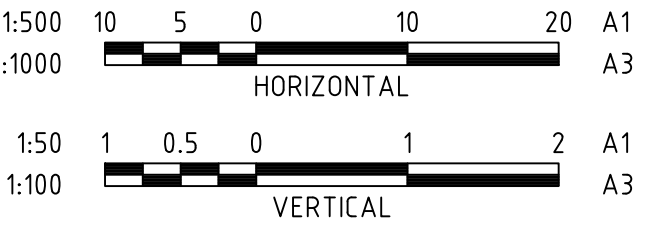


BOSE STREET LONGITUDINAL SECTION (CONTINUATION)

LEGEND	
---	EXISTING SURFACE
---	DESIGN LINE
---	FUTURE DESIGN LINE
---	LEFT LIP OF KERB
---	RIGHT LIP OF KERB

NOTE:
DEPTHS ARE MEASURED FROM DESIGN SURFACE TO EXISTING SURFACE. NEGATIVE DEPTH IS INDICATIVE OF FILL AND POSITIVE DEPTH IS INDICATIVE OF CUT

AS CONSTRUCTED SIGNATURES	
	
CALIBRE CONSULTING (MELB) PTY LTD LEVEL 2, 55 SOUTHBANK BOULEVARD SOUTHBANK VIC 3008	DATE 27/3/17
WINSLOW CONSTRUCTORS 50 Barry Road CAMPBELLFIELD VIC 3081	DATE 27/03/2017



AC	14/03/17	AS CONSTRUCTED ISSUE
D	09/09/15	CONSTRUCTION ISSUE
D	07/09/15	BOSE STREET LIMIT OF WORKS AMENDED
C	18/08/15	BOSE STREET LIMIT OF WORKS AMENDED
B		COUNCIL COMMENTS DATED 26/05/15
A		ISSUED FOR APPROVAL
DATE	COMMENTS	



CALIBRE CONSULTING (MELB) PTY LTD
Level 2, 55 Southbank Boulevard
Southbank VIC 3006

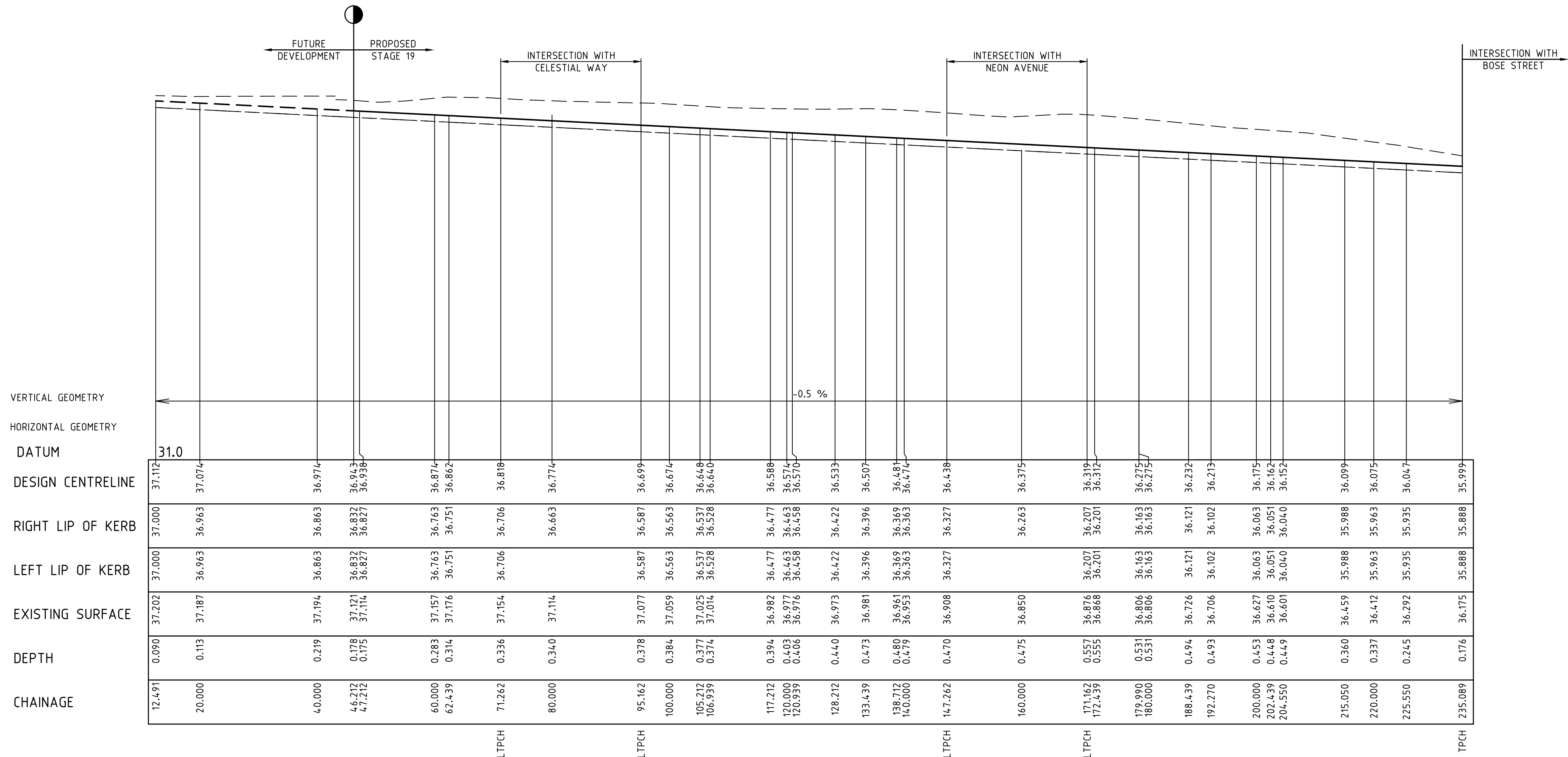
T 03 9203 9000

LONGITUDINAL SECTIONS - 1

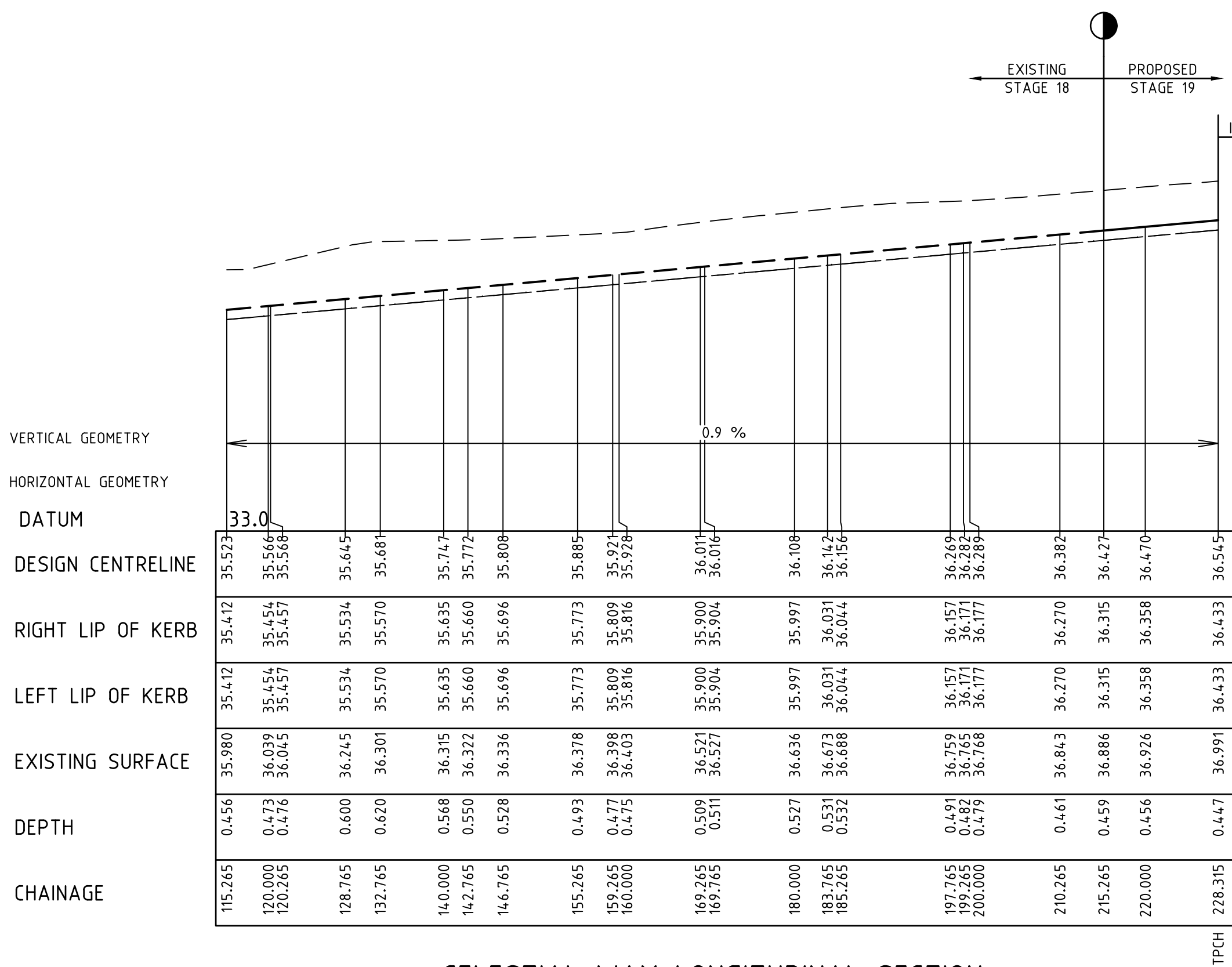
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H1:500 V1:50	R.KOZUL	R.KOZUL
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
J.CONSIGLIO	T.PALIOS	MARCH 2015

AS CONSTRUCTED

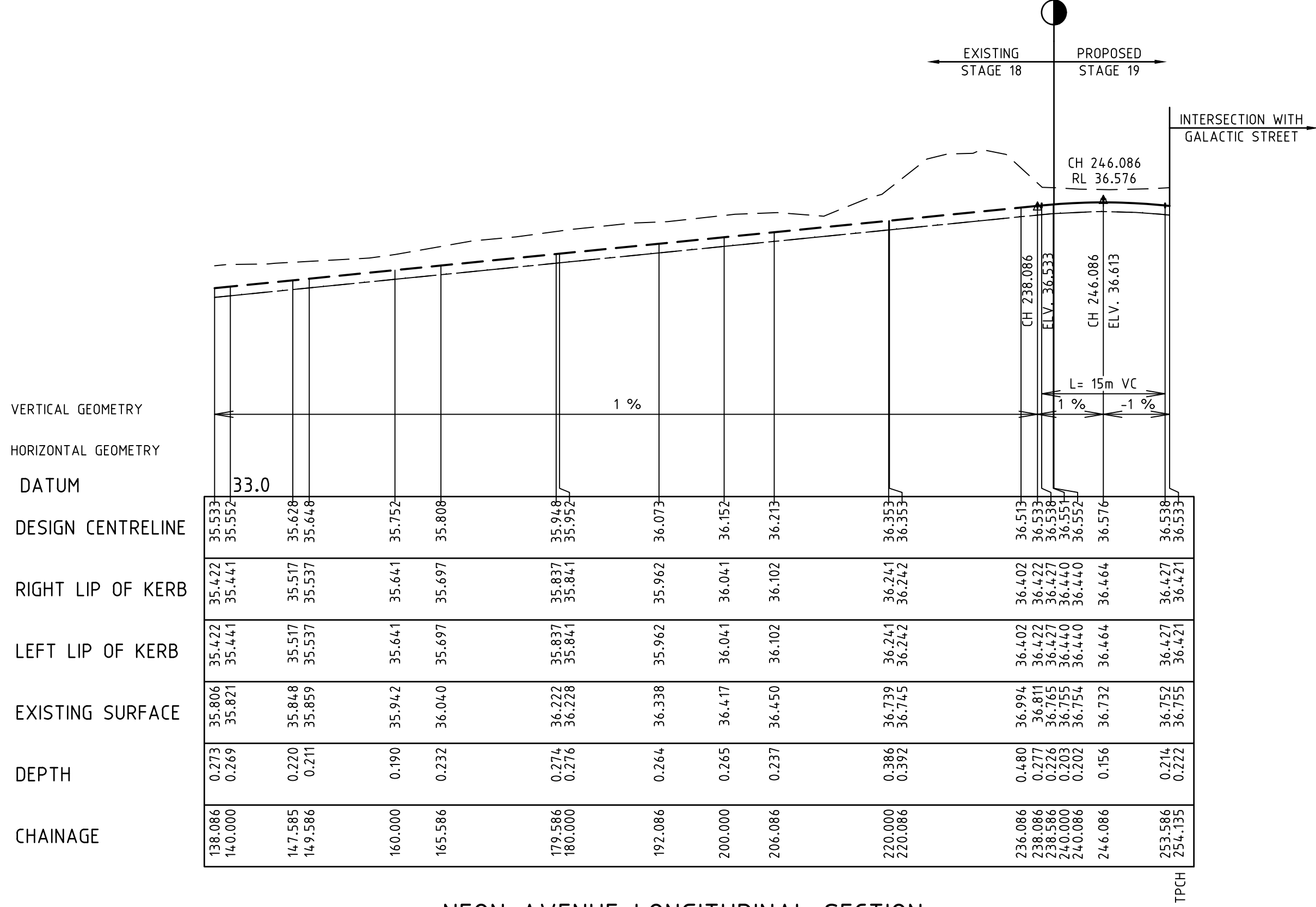
SIGNED	DATE
DRAWING NUMBER	REVISION
M100611.19-C07	AC



GALACTIC STREET LONGITUDINAL SECTION



CELESTIAL WAY LONGITUDINAL SECTION

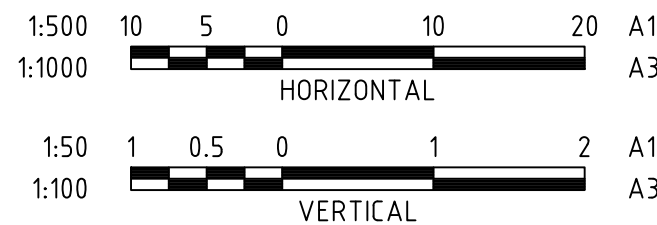


NEON AVENUE LONGITUDINAL SECTION

LEGEND	
---	EXISTING SURFACE
---	DESIGN LINE
---	FUTURE DESIGN LINE
---	LEFT LIP OF KERB
---	RIGHT LIP OF KERB

NOTE:
DEPTHS ARE MEASURED FROM DESIGN SURFACE TO EXISTING SURFACE. NEGATIVE DEPTH IS INDICATIVE OF FILL AND POSITIVE DEPTH IS INDICATIVE OF CUT

AS CONSTRUCTED SIGNATURES	
	DATE 27/03/2017
SIGN CALIBRE CONSULTING (MELB) PTY LTD LEVEL 2, 55 SOUTHBANK BOULEVARD SOUTHBANK VIC 3008	
SIGN WINSLOW CONSTRUCTORS 50 Barry Road CAMPBELLFIELD VIC 3081	



AC	14/03/17	AS CONSTRUCTED ISSUE
1	20/05/16	GALACTIC ST CHAINAGES AMENDED
0	09/09/15	CONSTRUCTION ISSUE
B		DATUM ADDED
A		ISSUED FOR APPROVAL
DATE		COMMENTS



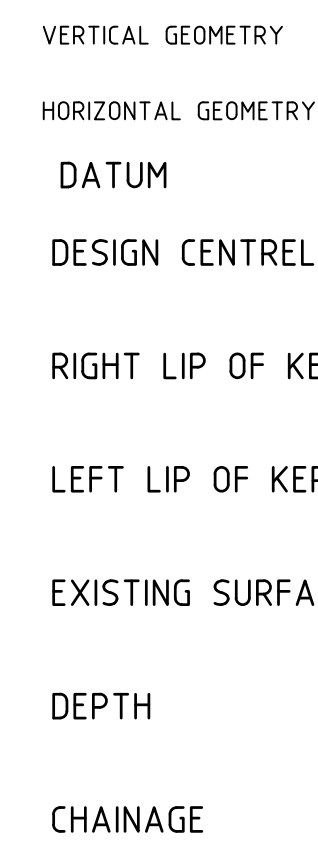
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CALIBRE CONSULTING (MELB) PTY LTD
Level 2, 55 Southbank Boulevard
Southbank VIC 3006 T 03 9203 9000

LONGITUDINAL SECTIONS - 2

SCALE @ A1	DRAWN	DESIGNED
H:500 V:150	R.KOZUL	R.KOZUL
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
J.CONSIGLIO	T.PALIOS	MARCH 2015

AS CONSTRUCTED

SIGNED	DATE
DRAWING NUMBER	REVISION
M100611.19-C08	AC



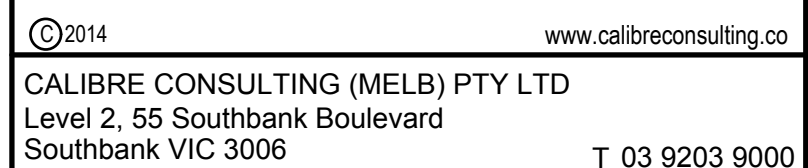
237,881	0.045	36,790	36,633	36,633	36,715	II	INTERSECTION WITH BOSE STREET
---------	-------	--------	--------	--------	--------	----	----------------------------------

NOTE:
DEPTHS ARE MEASURED FROM DESIGN SURFACE TO
EXISTING SURFACE. NEGATIVE DEPTH IS INDICATIVE
OF FILL AND POSITIVE DEPTH IS INDICATIVE OF CUT

CLIENT

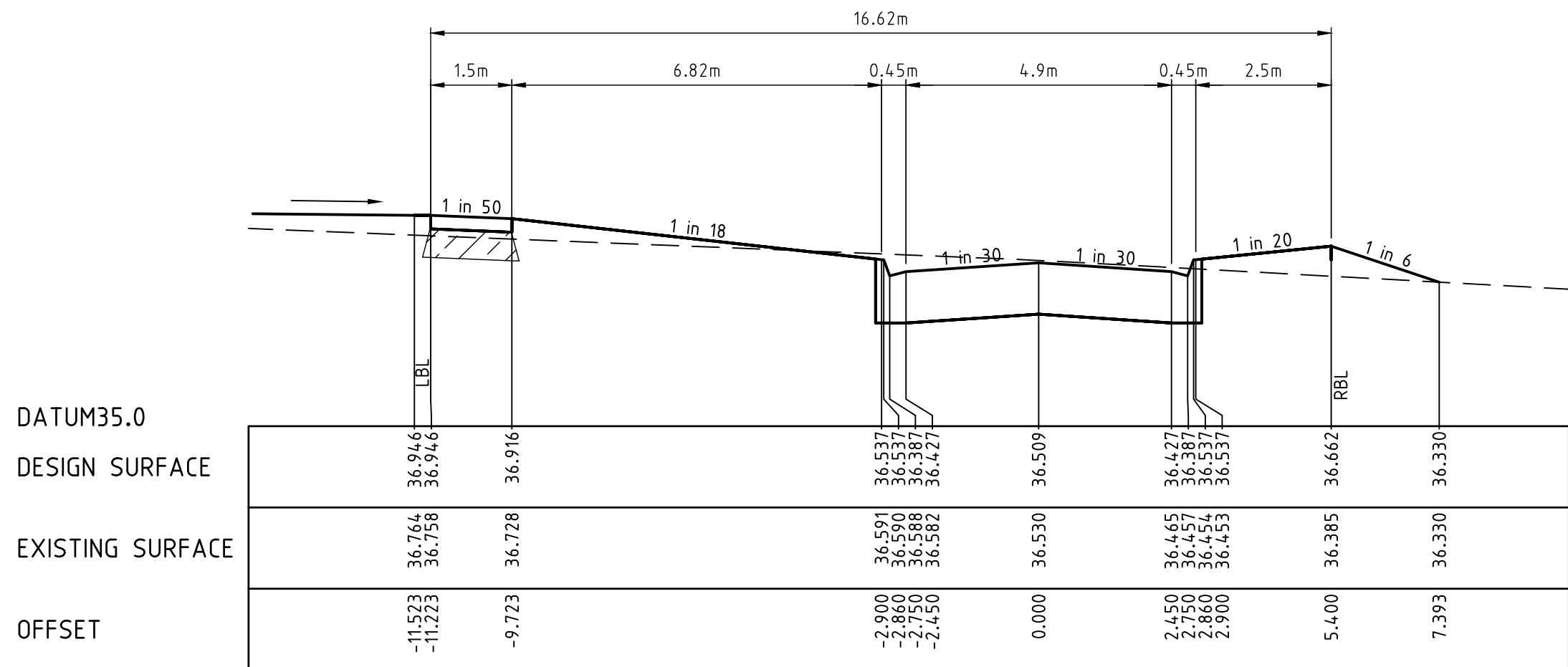


COMMUNITIES DESIGNED FOR LIVING

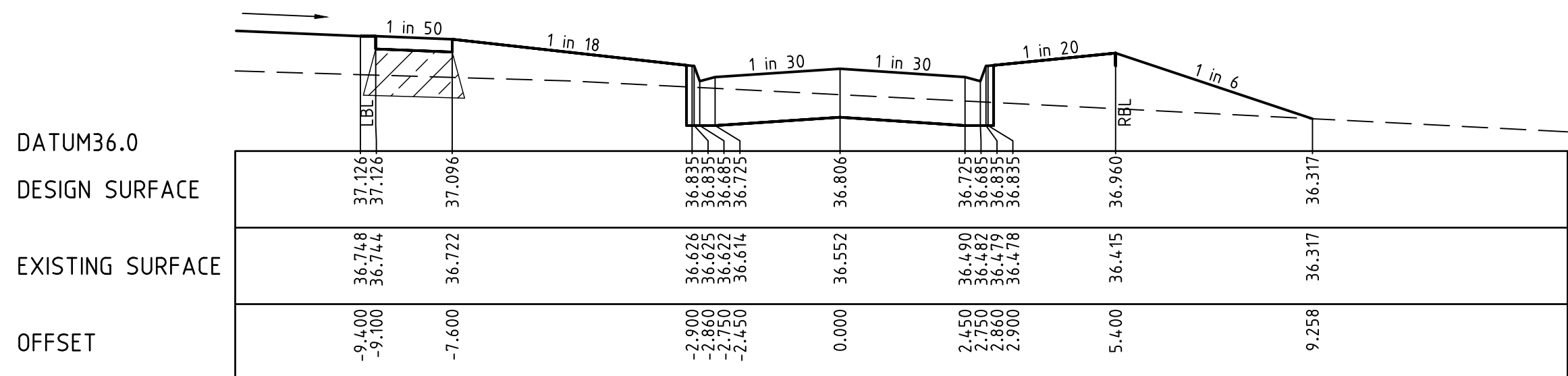


SCALE @ A1 H1:500 V1:50	DRAWN R.KOZUL	DESIGNED R.KOZUL
PROJECT ENGINEER J.CONSIGLIO	PROJECT MANAGER T.PALIOS	DATE FIRST ISSUE MARCH 2015

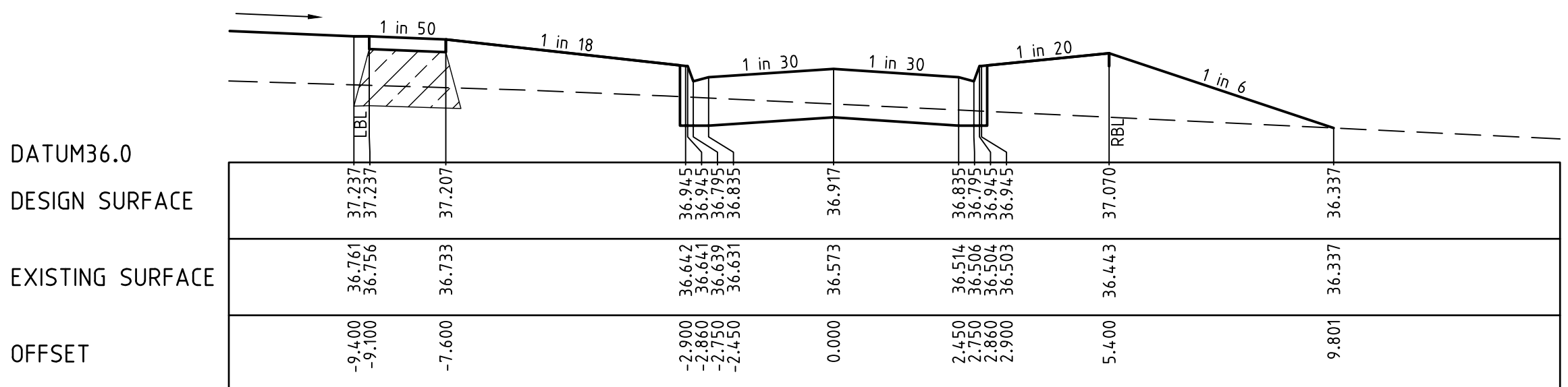
AS CONSTRUCTED



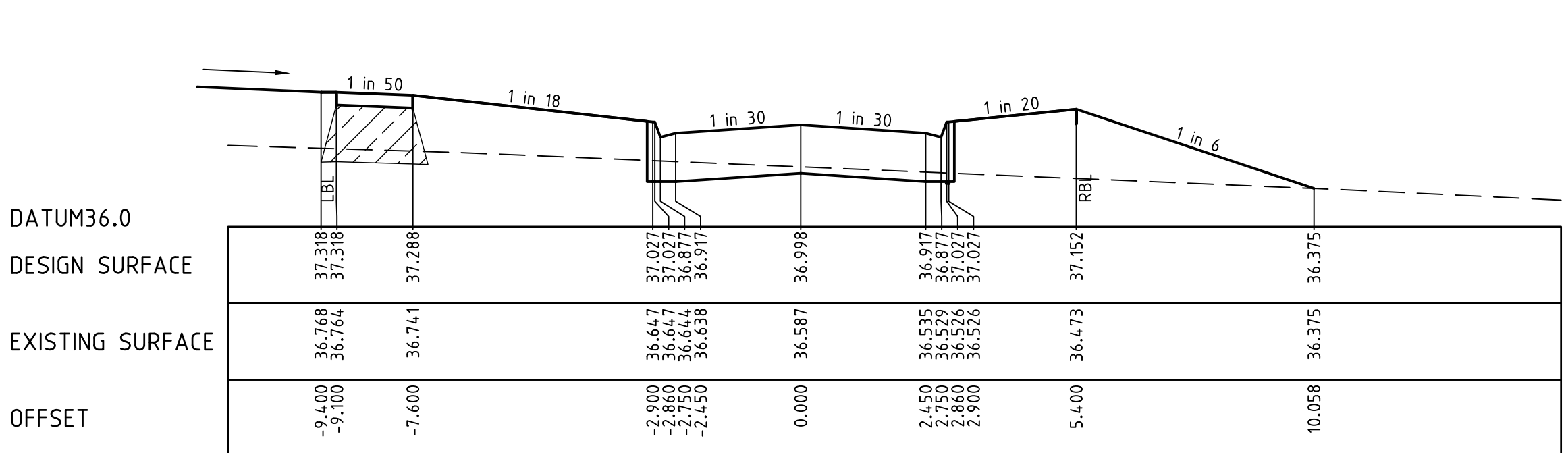
LTPCH 392.823



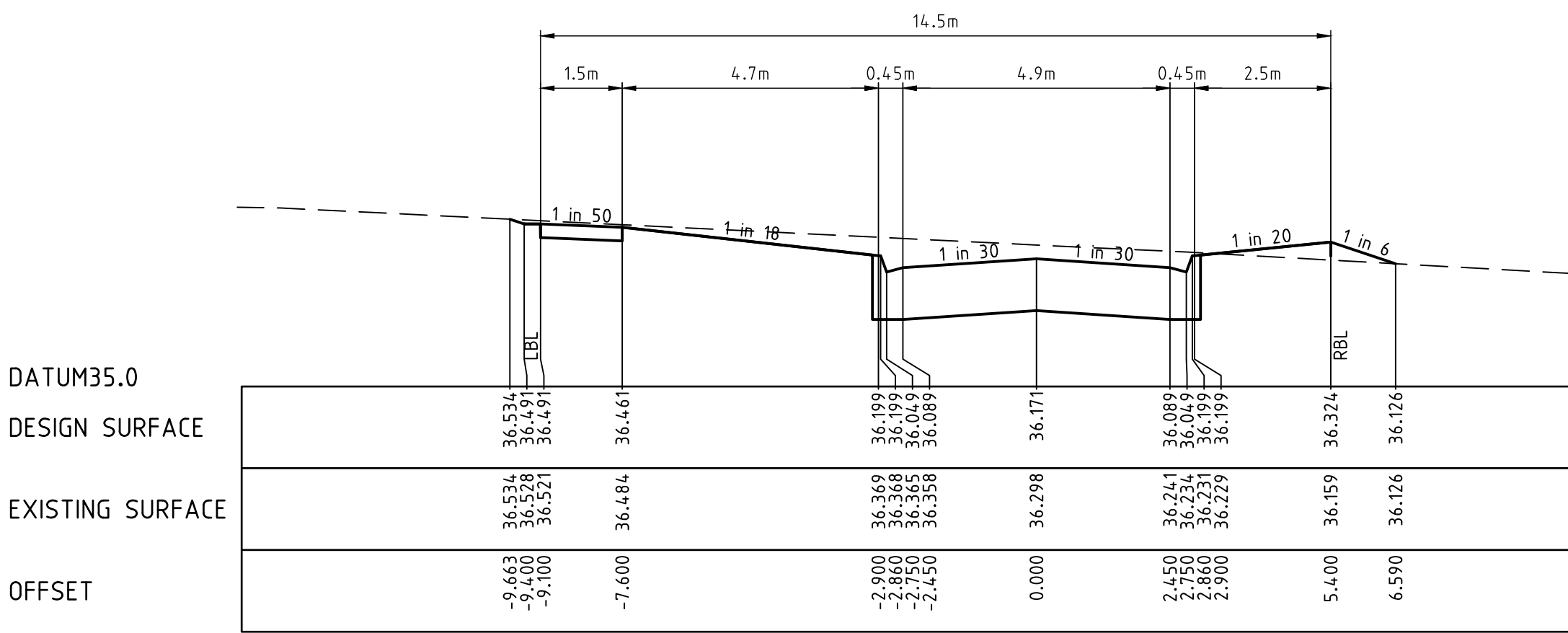
LTPCH 368.922



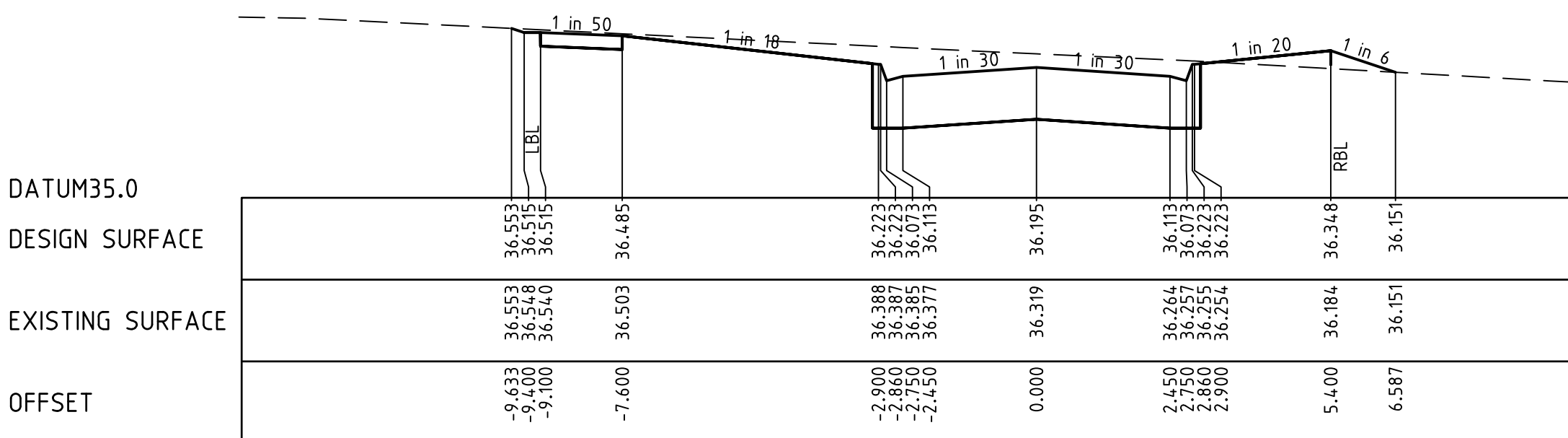
CH 360.000



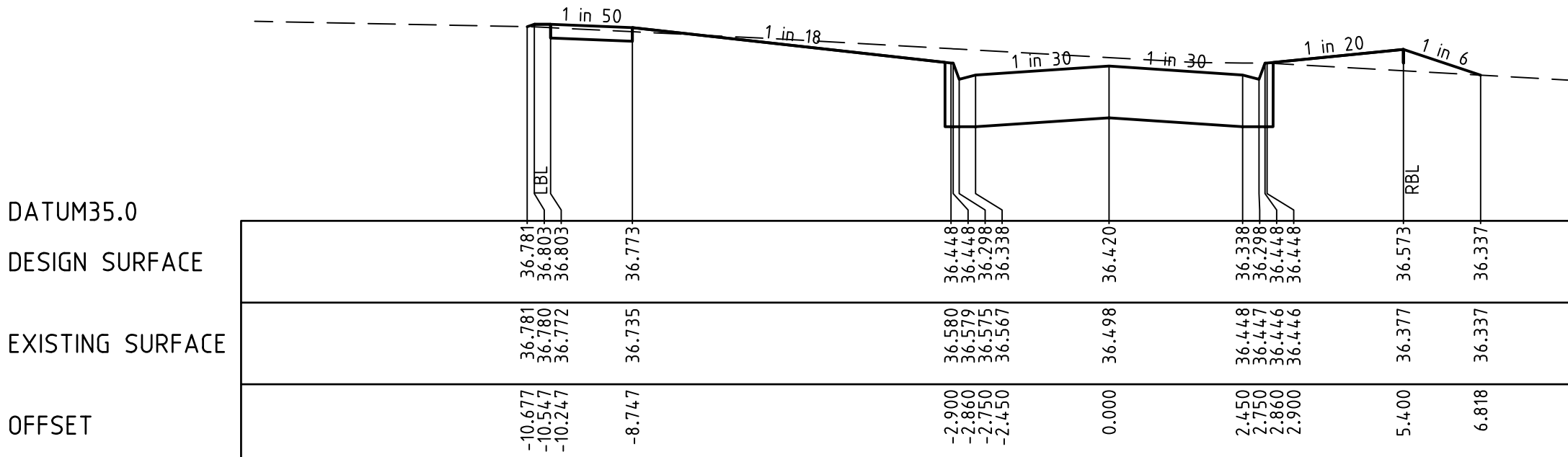
CH 353.473



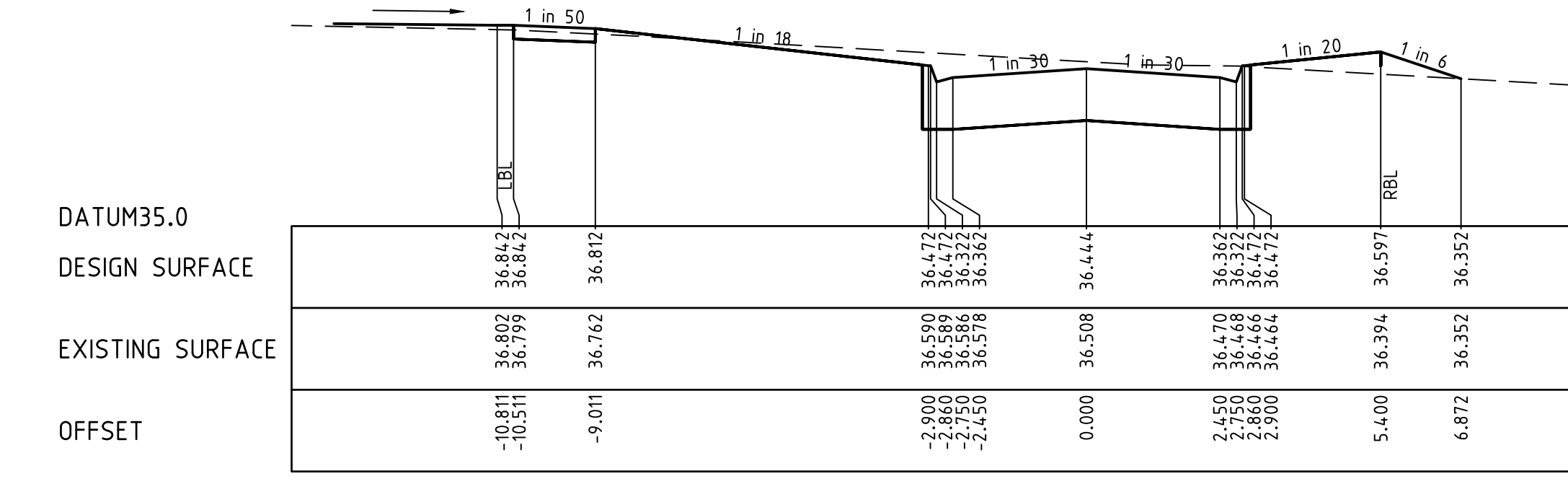
CH 420.000



TPCH 418.073



CH 400.000



TPCH 398.071

LEGEND

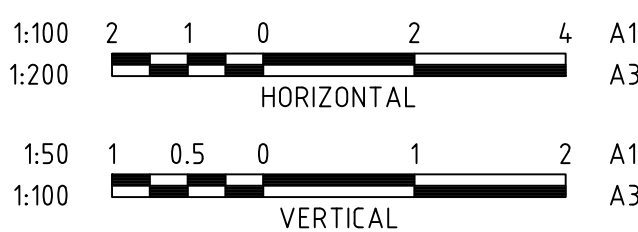
---	EXISTING SURFACE
---	DESIGN LINE
///	SELECT FILL

NOTE

SELECT FILL, EXTENDING 200mm BELOW NATURAL SURFACE, REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. SELECT FILL TO MEET CITY OF GEELONG SPECIFICATIONS

AS CONSTRUCTED SIGNATURES

SIGN	DATE
CALIBRE CONSULTING (MELB) PTY LTD	27/03/2017
LEVEL 2, 55 SOUTH BANK BOULEVARD	
SOUTH BANK VIC 3008	
SIGN	DATE
WINSLOW CONSTRUCTORS	27/03/2017
50 Barry Road	
CAMPBELLFIELD VIC 3061	



AC	14/03/17	AS CONSTRUCTED ISSUE
O	09/09/15	CONSTRUCTION ISSUE
C	07/09/15	BOSE STREET LIMIT OF WORKS CHAINAGE AMENDED
B	18/08/15	XS RANGE AMENDED
A		ISSUED FOR APPROVAL
DATE		COMMENTS



PROJECT

ARMSTRONG

MT DUNEED

STAGE 19



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Southbank VIC 3006

T 03 9203 9000

BOSE STREET

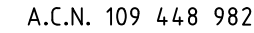
CROSS SECTIONS - 1

CH353.473 - CH420.000

SCALE @ A1	DRAWN	DESIGNED
H:100 V:150	R.KOZUL	R.KOZUL
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
J.CONSIGLIO	T.PALIOS	MARCH 2015

AS CONSTRUCTED

SIGNED	DATE
DRAWING NUMBER	REVISION
M100611.19-C10	AC

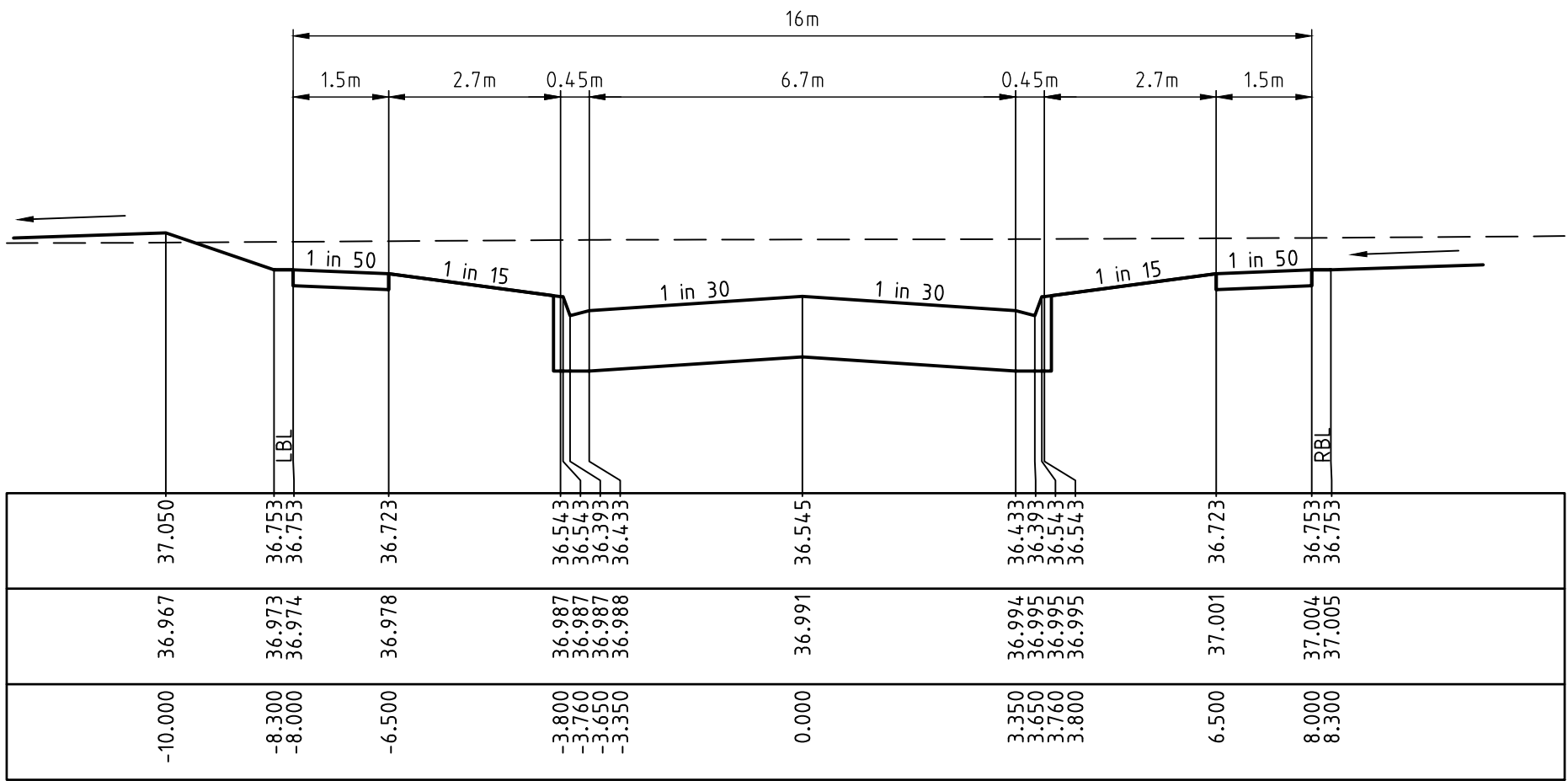


DATUM35.0

DESIGN SURFACE

EXISTING SURFACE

OFFSET



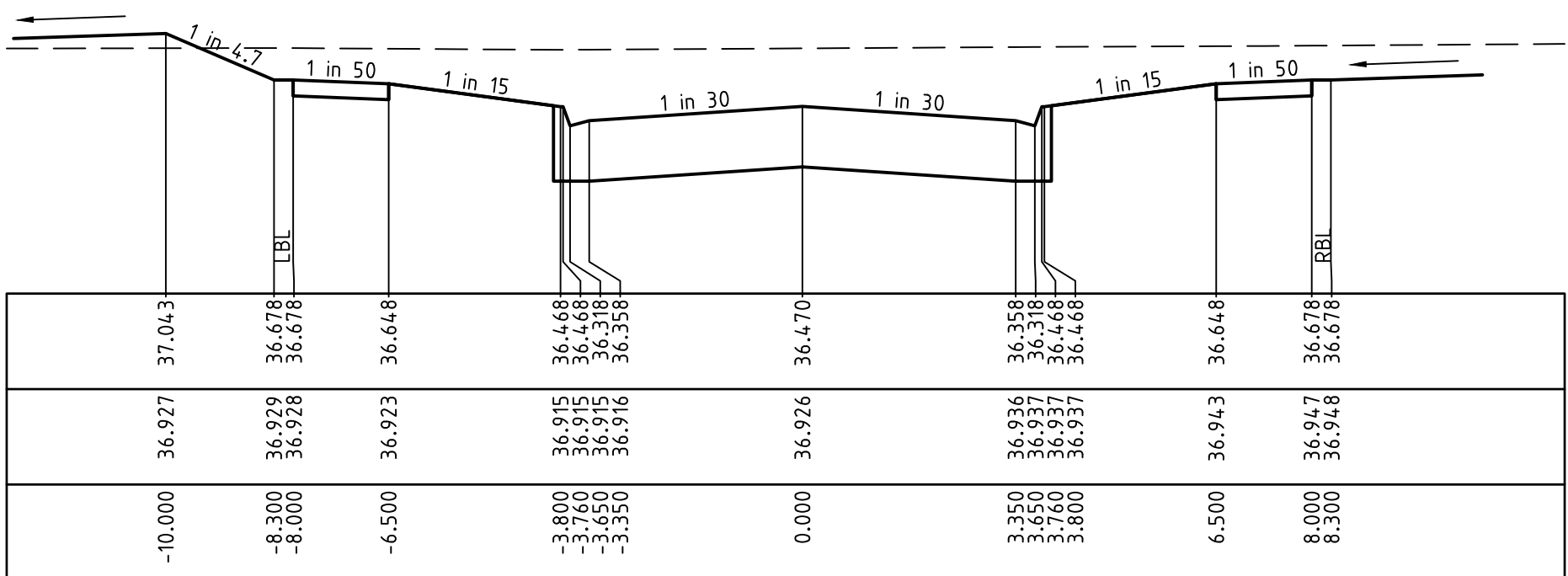
TPCH 228.315

DATUM35.0

DESIGN SURFACE

EXISTING SURFACE

OFFSET



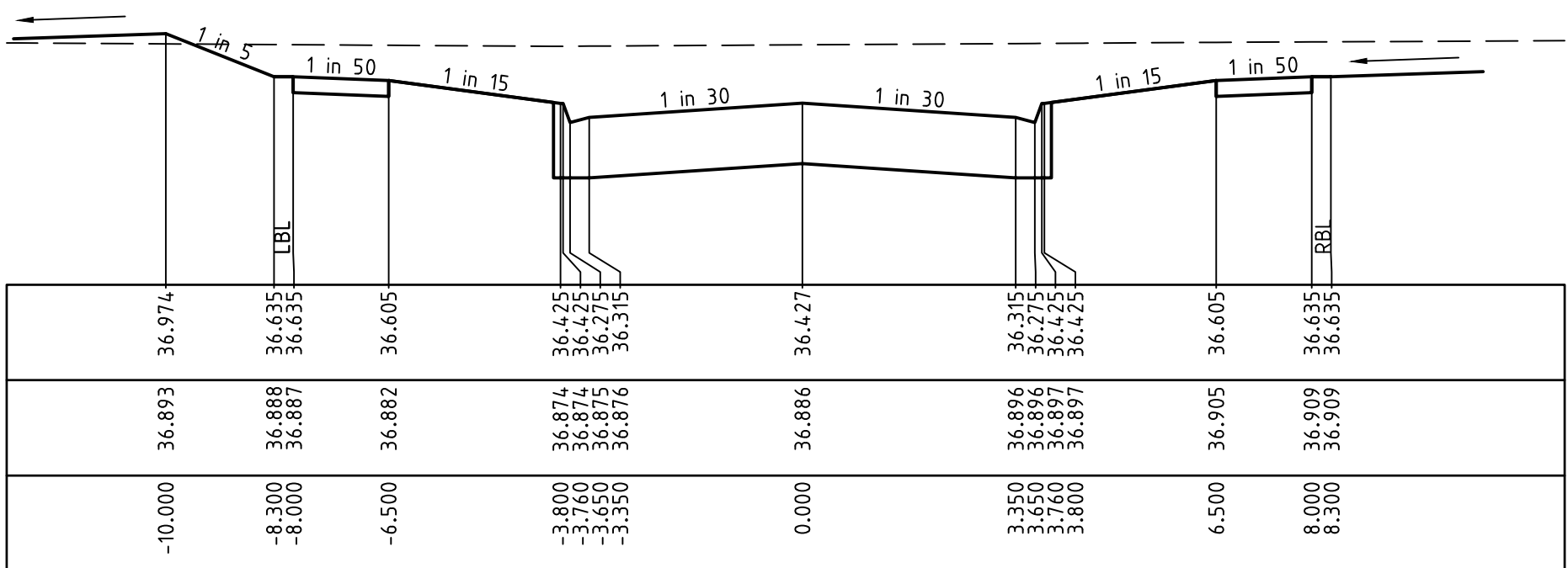
CH 220.000

DATUM35.0

DESIGN SURFACE

EXISTING SURFACE

OFFSET



CH 215.265

CELESTIAL WAY

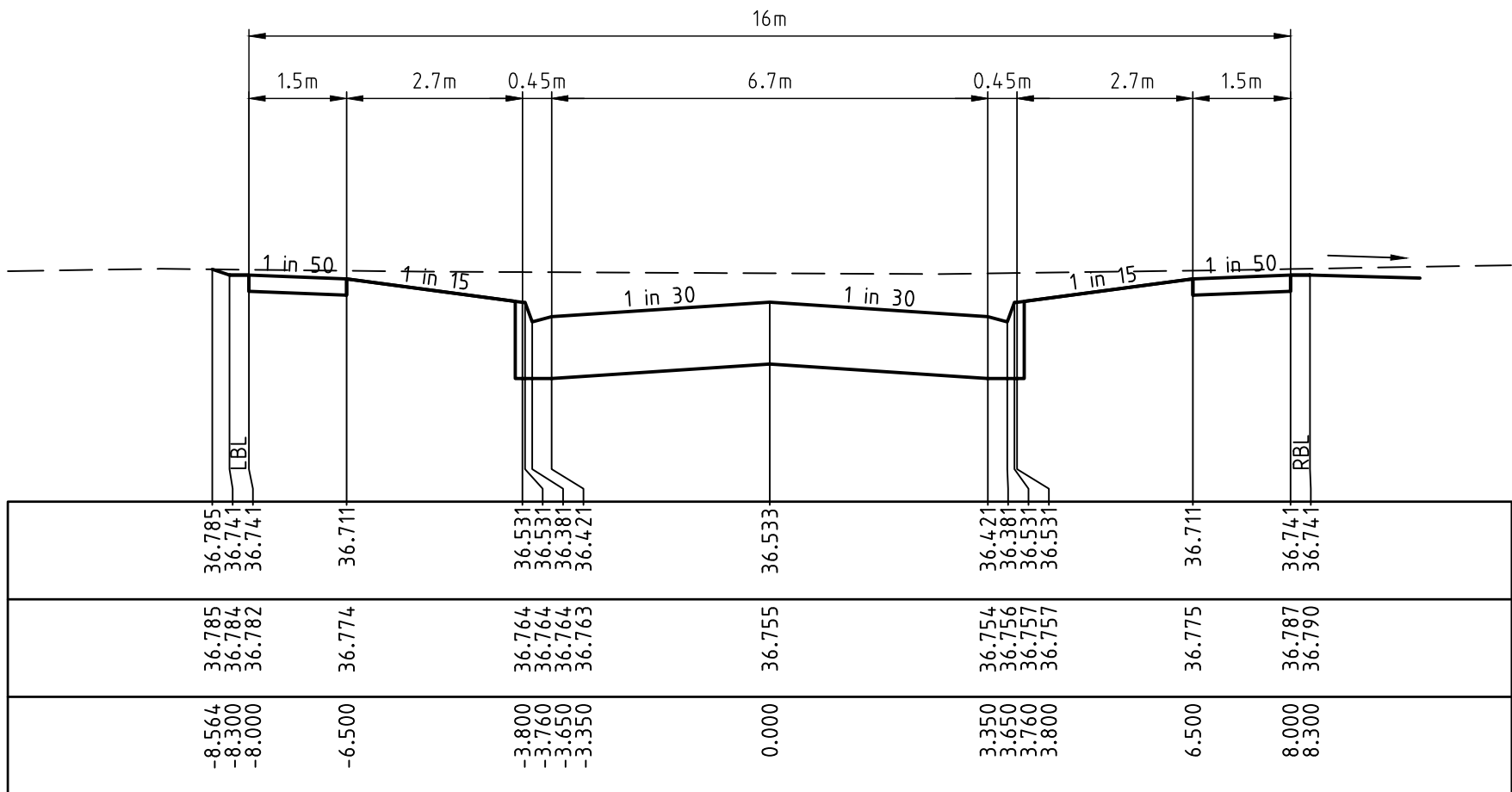
CROSS SECTIONS

DATUM35.0

DESIGN SURFACE

EXISTING SURFACE

OFFSET



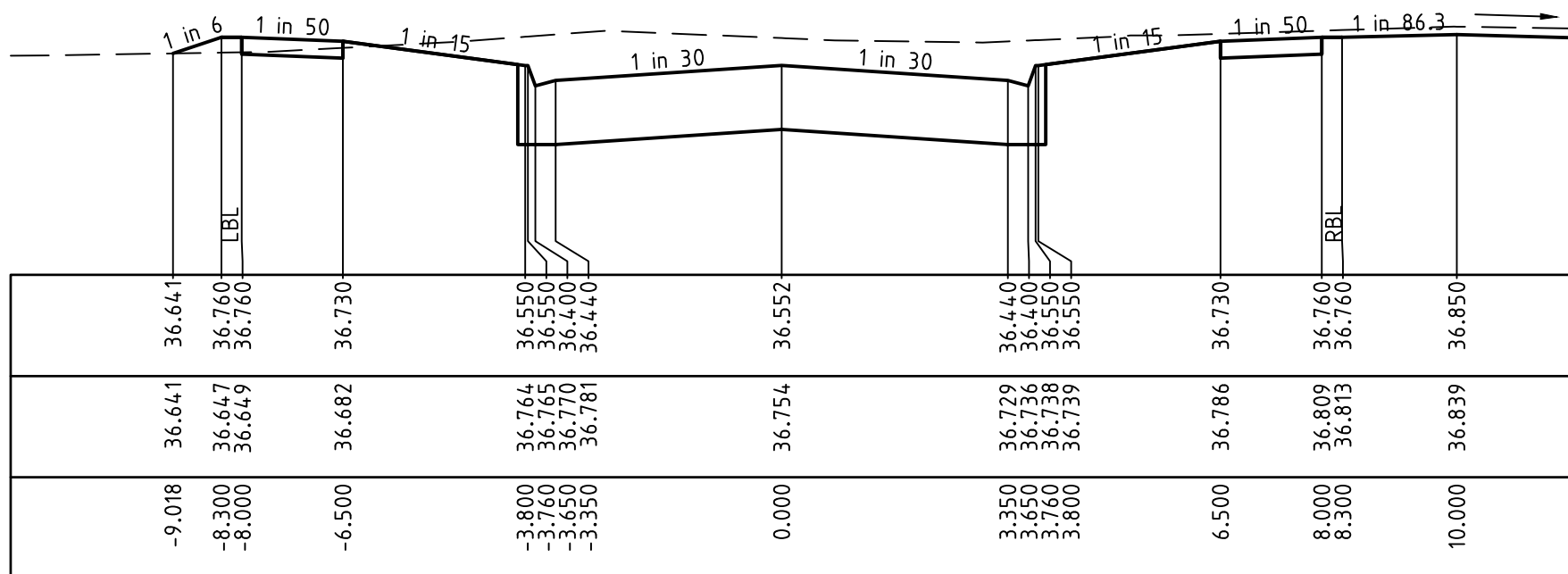
TPCH 254.135

DATUM35.0

DESIGN SURFACE

EXISTING SURFACE

OFFSET



CH 240.086

NEON AVENUE

CROSS SECTIONS

LEGEND

--- EXISTING SURFACE
--- DESIGN LINE

AS CONSTRUCTED SIGNATURES

SIGN
CALIBRE CONSULTING (MELB) PTY LTD
LEVEL 2, 55 SOUTHBANK BOULEVARD
SOUTHBANK VIC 3008

SIGN
WINSLOW CONSTRUCTORS
50 Barry Road
CAMPBELLFIELD VIC 3081

1:100 2 1 0 2 4 A1
1:200
HORIZONTAL
1:50 1 0.5 0 1 2 A1
1:100
VERTICAL

AC 14/03/17 AS CONSTRUCTED ISSUE
0 09/09/15 CONSTRUCTION ISSUE
A ISSUED FOR APPROVAL

CLIENT
villawood
properties
COMMUNITIES DESIGNED FOR LIVING

PROJECT
ARMSTRONG
MT DUNED
STAGE 19

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Level 2, 55 Southbank Boulevard
Southbank VIC 3006 T 03 9203 9000

TITLE
CELESTIAL WAY / NEON AVENUE
CROSS SECTIONS

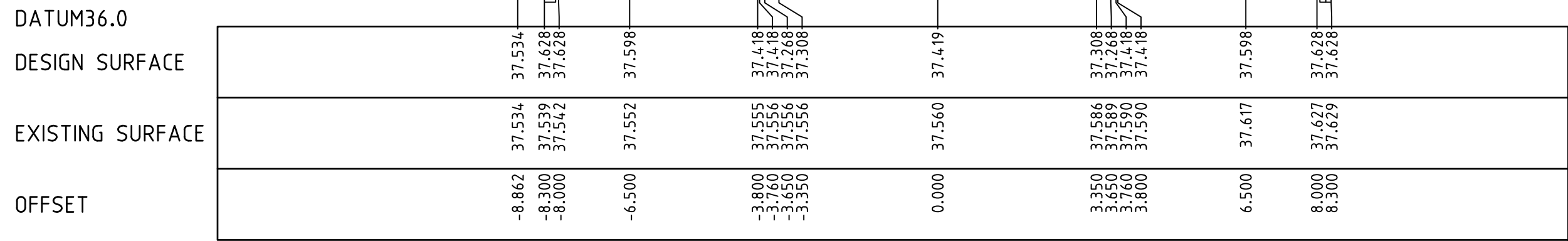
SCALE @ A1
H:100 V:150
DRAWN
R.KOZUL
DESIGNED
R.KOZUL
PROJECT ENGINEER
J.CONSIGLIO
PROJECT MANAGER
T.PALIOS
DATE FIRST ISSUE
MARCH 2015

AS CONSTRUCTED

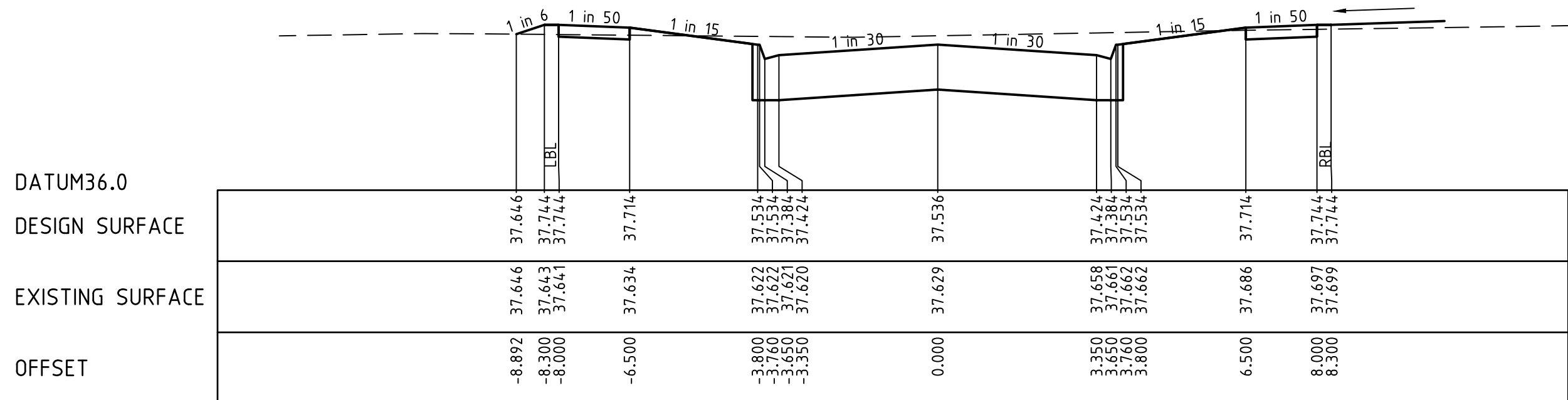
SIGNED
DRAWING NUMBER
M100611.19-C14

REVISION
AC

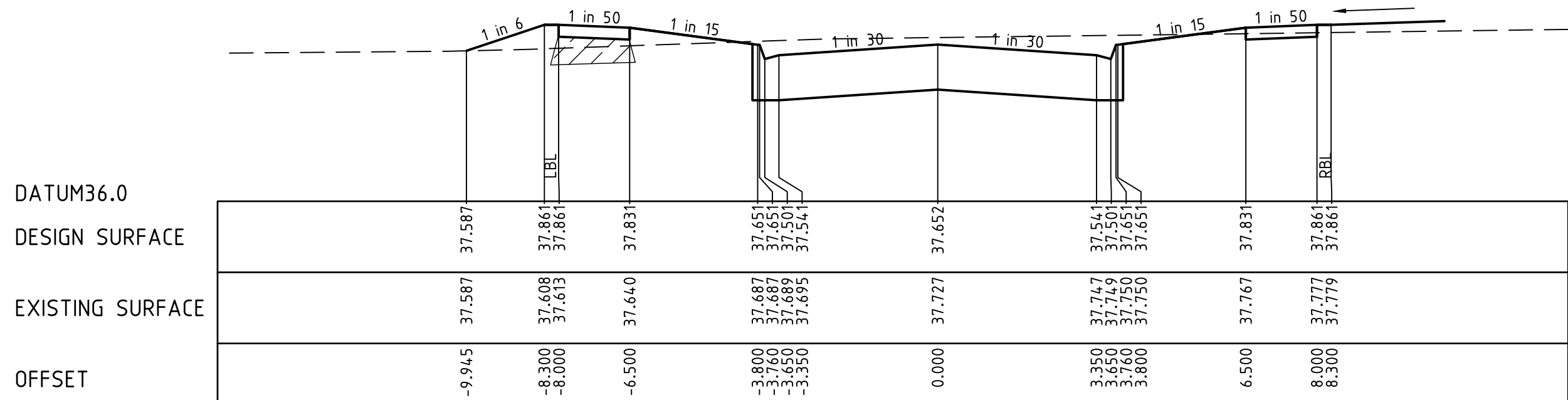
CONSULT AUSTRALIA
A.C.N. 109 448 982



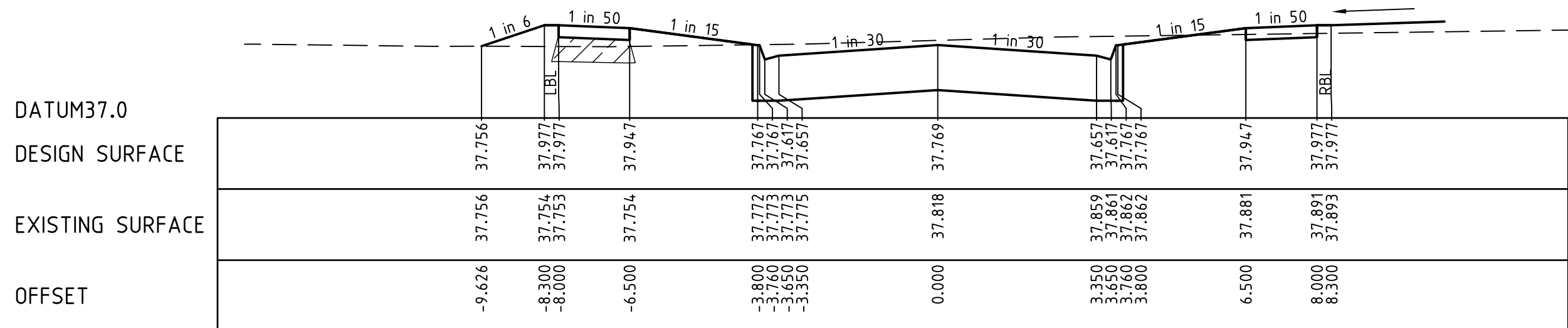
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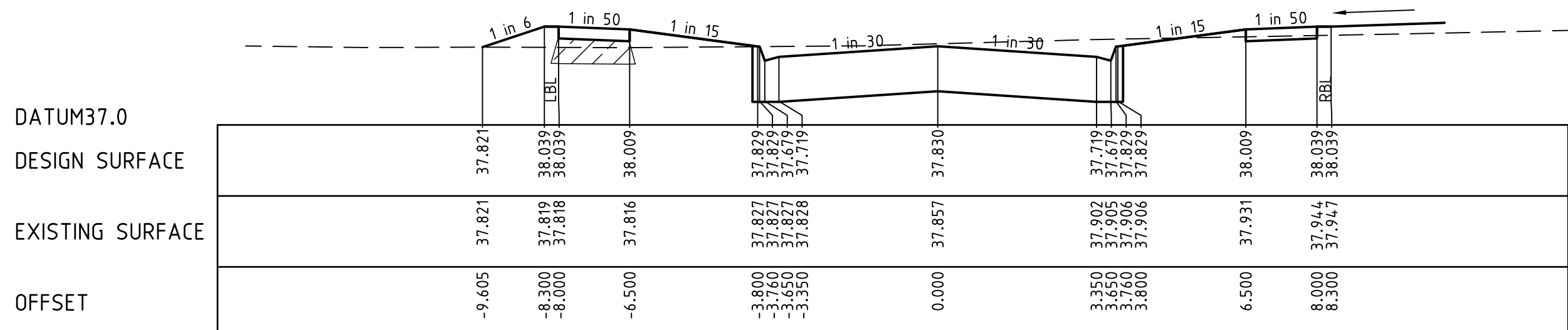
CH 100.000



CH 80.000

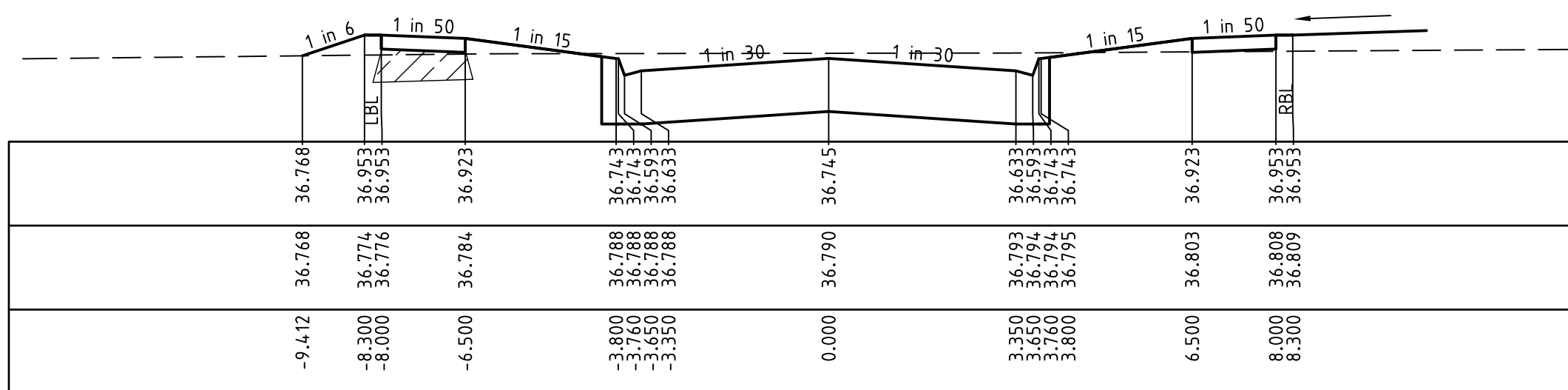


CH 60.000



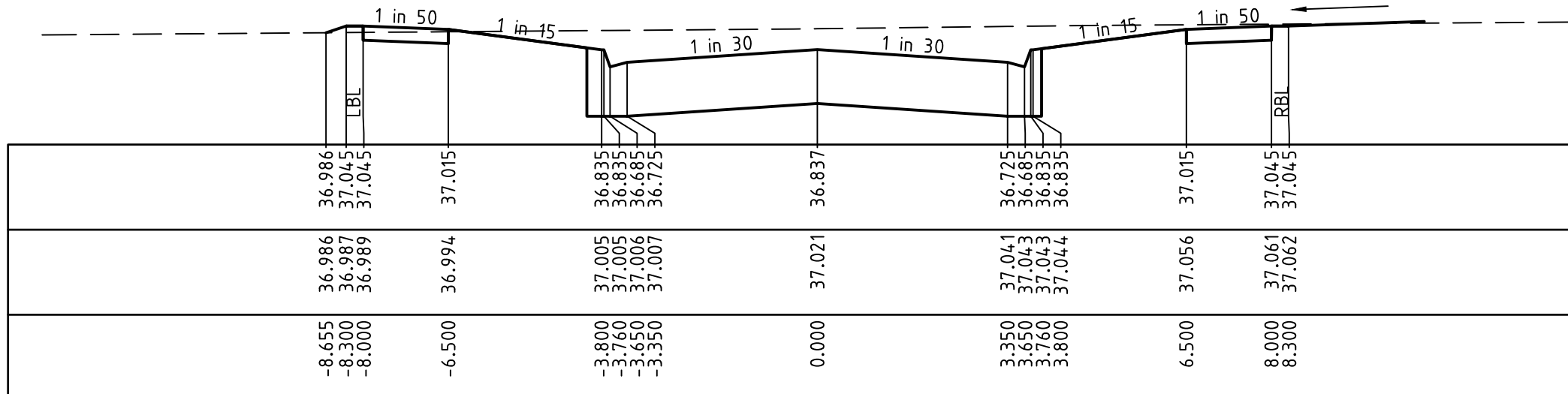
CH 49.469

DATUM36.0
DESIGN SURFACE
EXISTING SURFACE
OFFSET



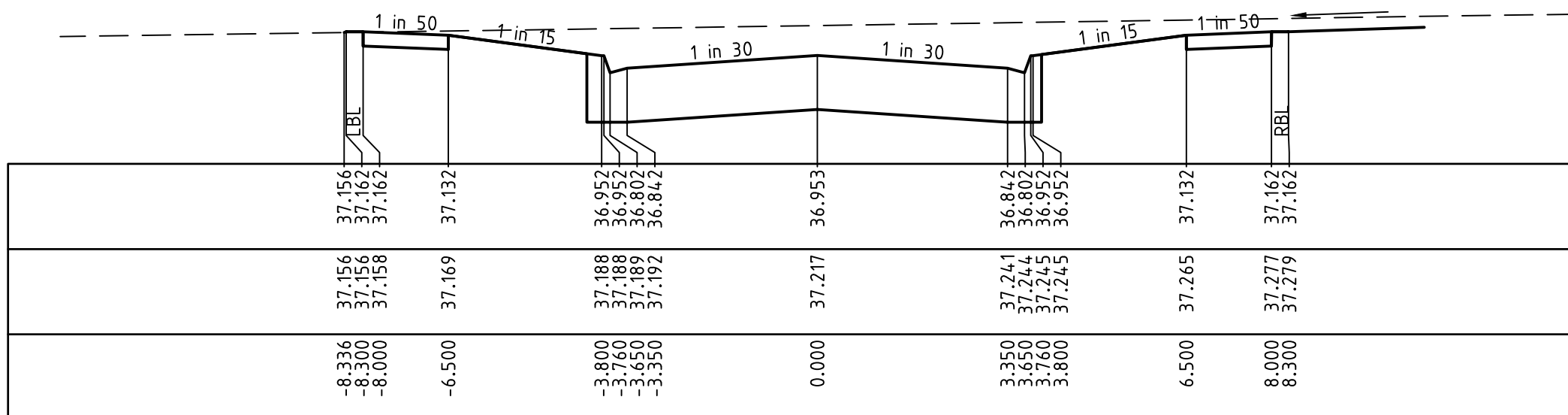
TPCH 237.881

DATUM36.0
DESIGN SURFACE
EXISTING SURFACE
OFFSET



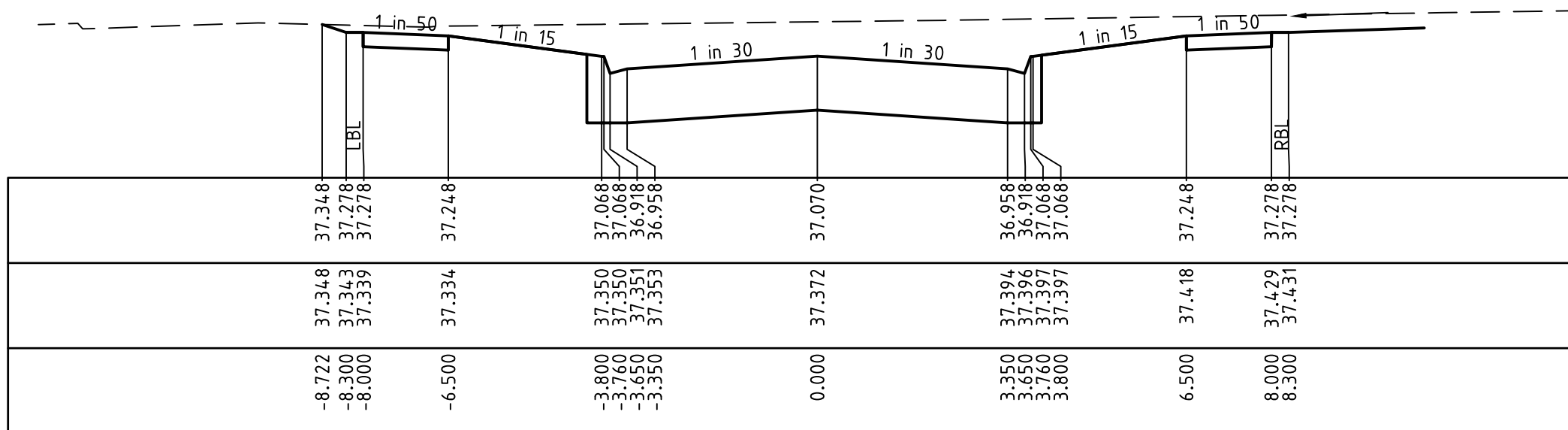
CH 220.000

DATUM36.0
DESIGN SURFACE
EXISTING SURFACE
OFFSET



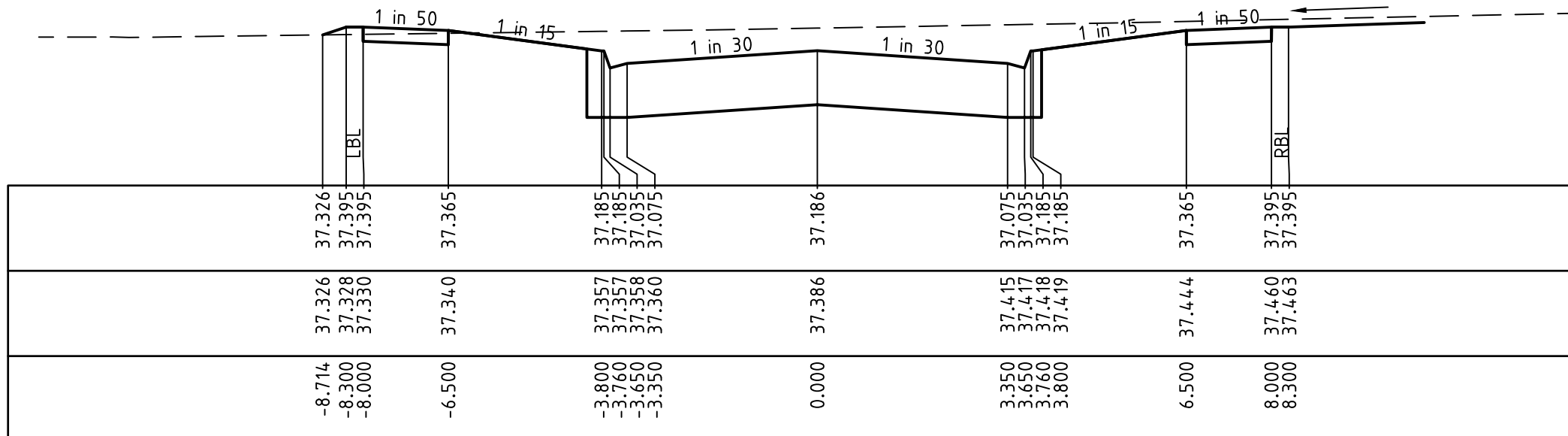
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DESIGN SURFACE
EXISTING SURFACE
OFFSET



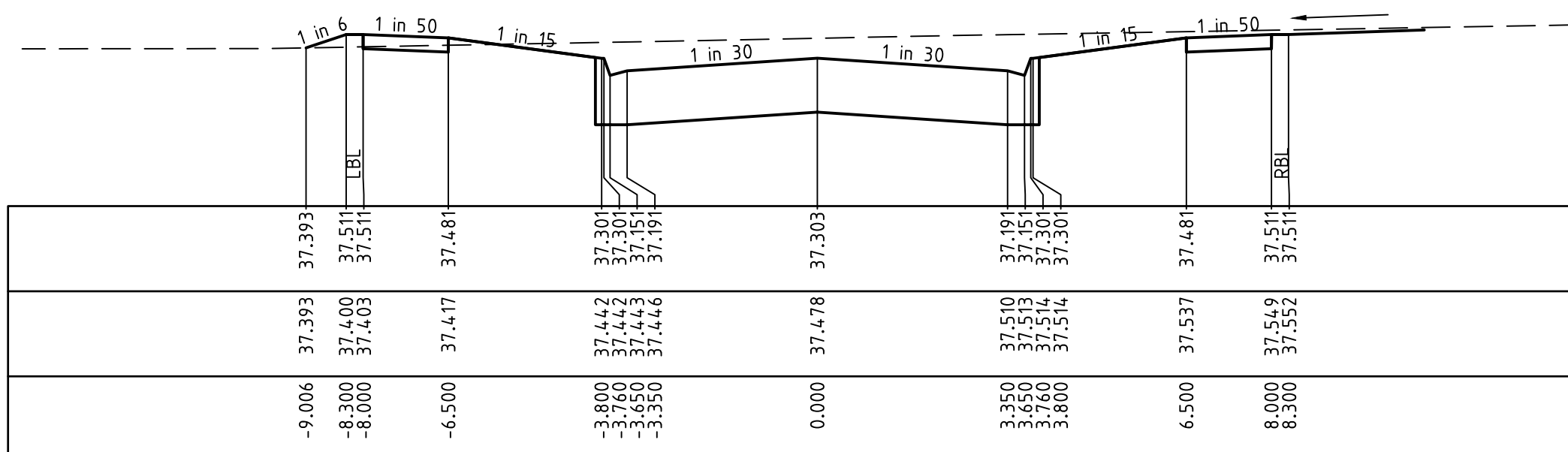
CH 180.000

DATUM36.0
DESIGN SURFACE
EXISTING SURFACE
OFFSET



CH 160.000

DATUM36.0
DESIGN SURFACE
EXISTING SURFACE
OFFSET

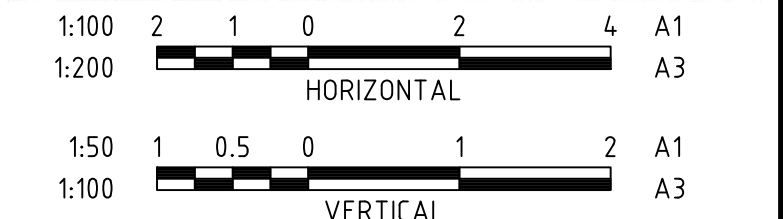


CH 140.000

LEGEND	
	EXISTING SURFACE
	DESIGN LINE
	SELECT FILL

NOTE
SELECT FILL, EXTENDING 200mm BELOW NATURAL SURFACE, REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. SELECT FILL TO MEET CITY OF GEELONG SPECIFICATIONS

AS CONSTRUCTED SIGNATURES	
	DATE
SIGN CALIBRE CONSULTING (MELB) PTY LTD LEVEL 2, 55 SOUTH BANK BOULEVARD SOUTHBANK VIC 3008	
Winslow 27/03/2017	
SIGN WINSLOW CONSTRUCTORS 50 Barry Road CAMPBELLFIELD VIC 3081	



AC	14/03/17	AS CONSTRUCTED ISSUE
O	09/09/15	CONSTRUCTION ISSUE
B		ADDITIONAL SELECT FILL ADDED
A		ISSUED FOR APPROVAL
DATE		COMMENTS

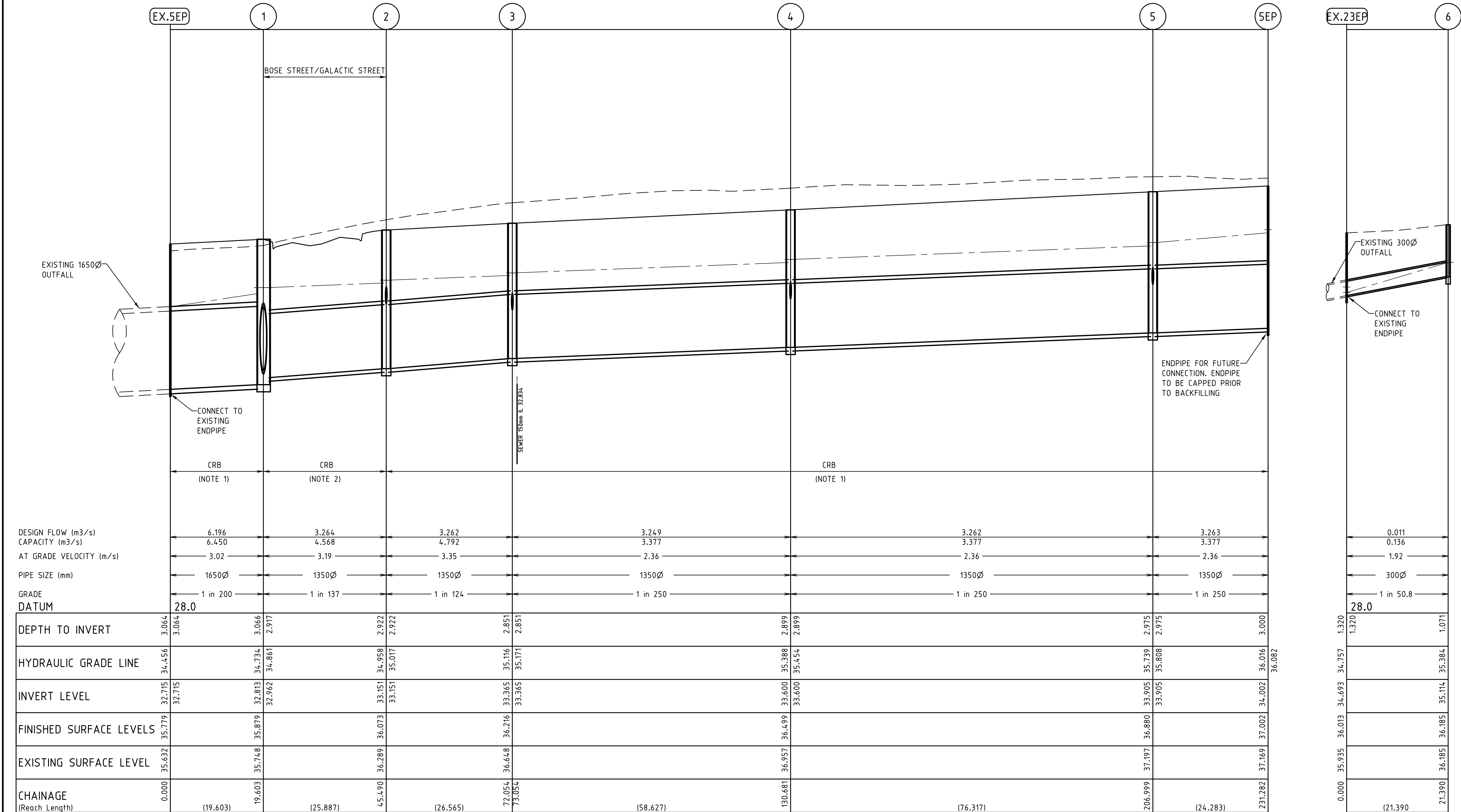


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Southbank VIC 3006 T 03 9203 9000

TITLE
**SOLSTICE STREET
CROSS SECTIONS**

SCALE @ A1	DRAWN	DESIGNED
H:100 V:150	R.KOZUL	R.KOZUL
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
J.CONSIGLIO	T.PALIOS	MARCH 2015

AS CONSTRUCTED		
SIGNED	DATE	
DRAWING NUMBER	REVISION	
M100611.19-C15	AC	



- NOTES**
- PIPE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED WITH 20mm NOM. SIZE CLASS 3 CRUSHED ROCK TO BE COMPACTED TO A DRY DENSITY NOT LESS THAN 95% MODIFIED RELATIVE COMPACTION IN 150mm THICK LAYER FOR THE FOLLOWING:
 - BENEATH DRIVEWAY CROSSOVERS TO THE UNDERSIDE OF THE PAVEMENT OR CROSSOVER.
 - ADJACENT TO KERBING OR CONCRETE WORKS TO A LEVEL THAT IS NOT AFFECTED BY A 45 DEGREE ANGLE OF REPOSE FROM NEAR THE LOWER EDGE.
 - ALL PIPES UNDER ROADS SHALL BE BACKFILLED WITH 2% STABILISED SAND TO SPRINGLINE. ABOVE THIS POINT, PROVIDE 20mm NOMINAL SIZE CLASS 3 FINE CRUSHED ROCK (WETMIX) COMPACTED TO 98% MODIFIED COMPACTION IN 150mm MAXIMUM LAYER.
 - ALL DRAINAGE PIPES TO BE SPIGOT-SOCKET RUBBER RING JOINTED (RRJ).
 - ALL DRAINAGE PIPES SHALL BE CLASS 2 RCP, UNLESS OTHERWISE NOTED.
 - WHERE PITS DROP LESS THAN 50mm, THE PIT FLOOR MUST BE SHAPED TO MATCH THE LOWER HALF OF THE PIPE.
 - ALL SPLAYED SECTIONS OF PIPE ARE TO BE BACKFILLED WITH 2% STABILIZED SAND, 300mm ABOVE TOP OF PIPE.

REINFORCED CONCRETE PIPES

ALL STORMWATER DRAINAGE PIPES SHALL NOT BE SUBJECTED TO CONSTRUCTION TRAFFIC LOADING DURING CONSTRUCTION UNLESS THE PIPE STRENGTH CHARACTERISTICS HAVE BEEN COMPUTED AND APPROVED BY THE CONTRACTORS ENGINEER. COMPUTATIONS ARE TO ACCORD WITH AS.3725-1989, LOADS ON BURIED PIPES. CONCRETE PIPES DAMAGED DUE TO CONSTRUCTION LOADS SHALL BE REPAIRED AT THE CONTRACTORS COST.

- LEGEND**
- EXISTING SURFACE
 - DESIGN SURFACE
 - DRAINAGE PIPE/PIT
 - EXISTING DRAINAGE PIPE/PIT
 - HYDRAULIC GRADE LINE
 - FUTURE ULTIMATE SURFACE

- NOTES:**
- FOR PIT DIMENTIONING AND SETOUT DETAIL, REFER TO IDM STANDARD DRAWING SD400
 - EASTING AND NORTHING FOR PIT SETOUT, REFERS TO CENTRE OF PIT BASE

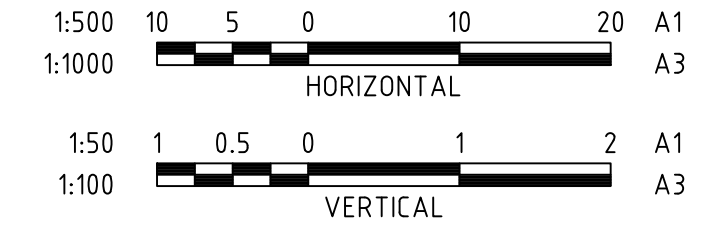
AS CONSTRUCTED SIGNATURES

SIGN: CALIBRE CONSULTING (MELB) PTY LTD
LEVEL 2, 55 SOUTHBANK BOULEVARD
SOUTHBANK VIC 3008

DATE: 27/03/2017

SIGN: WINSLOW CONSTRUCTORS
50 Barry Road
CAMPBELLFIELD VIC 3081

DATE: 27/03/2017



AC	14/03/17	AS CONSTRUCTED ISSUE
1	20/05/16	PIT 6 AMENDED
0	09/09/15	CONSTRUCTION ISSUE
C	07/09/15	DRAINAGE AMENDED TO SUIT POS
B		COUNCIL COMMENTS DATED 26/05/15
A		ISSUED FOR APPROVAL
DATE		COMMENTS



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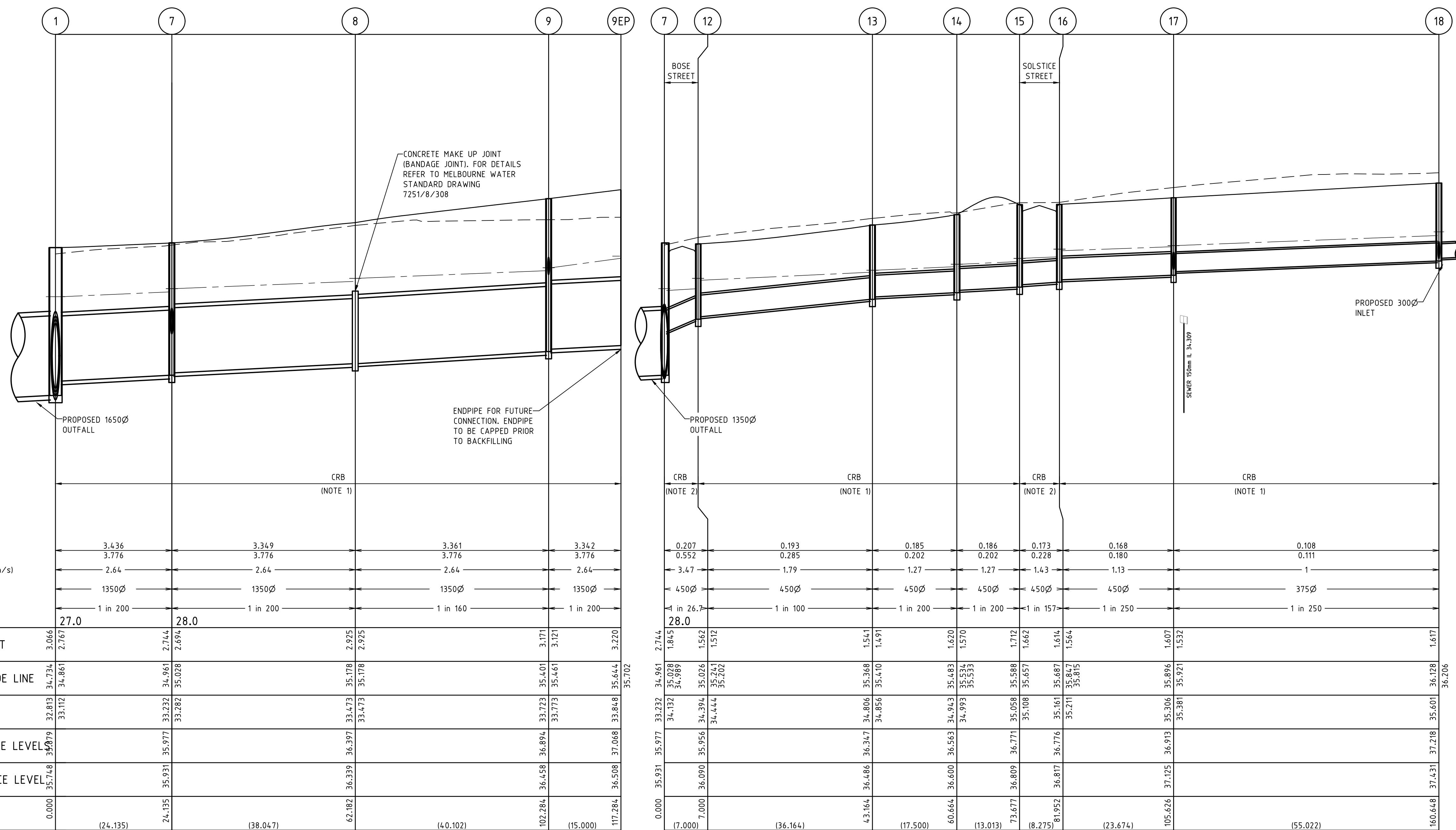
CALIBRE CONSULTING (MELB) PTY LTD
Level 2, 55 Southbank Boulevard
Southbank VIC 3006 T 03 9203 9000

DRAINAGE LONGITUDINAL SECTIONS - 1

SCALE @ A1	DRAWN	DESIGNED
H1:500 V1:50	R.KOZUL	R.KOZUL
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
J.CONSIGLIO	T.PALIOS	MARCH 2015

AS CONSTRUCTED

SIGNED	DATE
DRAWING NUMBER	REVISION
M100611.19-C16	AC



NOTES

- PIPE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED WITH 20mm NOM. SIZE CLASS 3 CRUSHED ROCK TO BE COMPACTED TO A DRY DENSITY NOT LESS THAN 95% MODIFIED RELATIVE COMPACTION IN 150mm THICK LAYER FOR THE FOLLOWING:
 - BENEATH DRIVEWAY CROSSOVERS TO THE UNDERSIDE OF THE PAVEMENT OR CROSSOVER.
 - ADJACENT TO KERBING OR CONCRETE WORKS TO A LEVEL THAT IS NOT AFFECTED BY A 45 DEGREE ANGLE OF REPOSE FROM NEAR THE LOWER EDGE.
- ALL PIPES UNDER ROADS SHALL BE BACKFILLED WITH 2% STABILISED SAND TO SPRINGLINE. ABOVE THIS POINT, PROVIDE 20mm NOMINAL SIZE CLASS 3 FINE CRUSHED ROCK (WETMIX) COMPACTED TO 98% MODIFIED COMPACTION IN 150mm MAXIMUM LAYER.
- ALL DRAINAGE PIPES TO BE SPIGOT-SOCKET RUBBER RING JOINTED (RRJ).
- ALL DRAINAGE PIPES SHALL BE CLASS 2 RCP, UNLESS OTHERWISE NOTED.
- WHERE PITS DROP LESS THAN 50mm, THE PIT FLOOR MUST BE SHAPED TO MATCH THE LOWER HALF OF THE PIPE.
- ALL SPLAYED SECTIONS OF PIPE ARE TO BE BACKFILLED WITH 2% STABILIZED SAND, 300mm ABOVE TOP OF PIPE.

REINFORCED CONCRETE PIPES

ALL STORMWATER DRAINAGE PIPES SHALL NOT BE SUBJECTED TO CONSTRUCTION TRAFFIC LOADING DURING CONSTRUCTION UNLESS THE PIPE STRENGTH CHARACTERISTICS HAVE BEEN COMPUTED AND APPROVED BY THE CONTRACTORS ENGINEER. COMPUTATIONS ARE TO ACCORD WITH AS.3725-1989, LOADS ON BURIED PIPES. CONCRETE PIPES DAMAGED DUE TO CONSTRUCTION LOADS SHALL BE REPAIRED AT THE CONTRACTORS COST.

LEGEND

---	EXISTING SURFACE
---	DESIGN SURFACE
---	DRAINAGE PIPE/PIT
---	EXISTING DRAINAGE PIPE/PIT
---	HYDRAULIC GRADE LINE
---	FUTURE ULTIMATE SURFACE

NOTES:

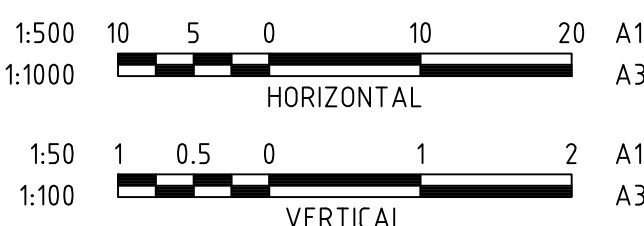
- FOR PIT DIMENTIONING AND SETOUT DETAIL, REFER TO IDM STANDARD DRAWING SD400.
- EASTING AND NORTHING FOR PIT SETOUT, REFERS TO CENTRE OF PIT BASE.

AS CONSTRUCTED SIGNATURES

SIGNATURE: *[Signature]* DATE: 27/3/17

SIGNATURE: *[Signature]* DATE: 27/03/2017

SIGNATURE: *[Signature]* DATE: 27/03/2017



AC	14/03/17	AS CONSTRUCTED ISSUE
1	08/08/16	CRB NOTE AMENDED LINE 17-18
0	09/09/15	CONSTRUCTION ISSUE
C	07/09/15	DRAINAGE AMENDED TO SUIT POS
B		COUNCIL COMMENTS DATED 26/05/15
A		ISSUED FOR APPROVAL
	DATE	COMMENTS



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Level 2, 55 Southbank Boulevard
Southbank VIC 3006 T 03 9203 9000

TITLE
DRAINAGE LONGITUDINAL SECTIONS - 2

SCALE @ A1	DRAWN	DESIGNED
H1:500 V1:50	R.KOZUL	R.KOZUL
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
J.CONSIGLIO	T.PALIOS	MARCH 2015

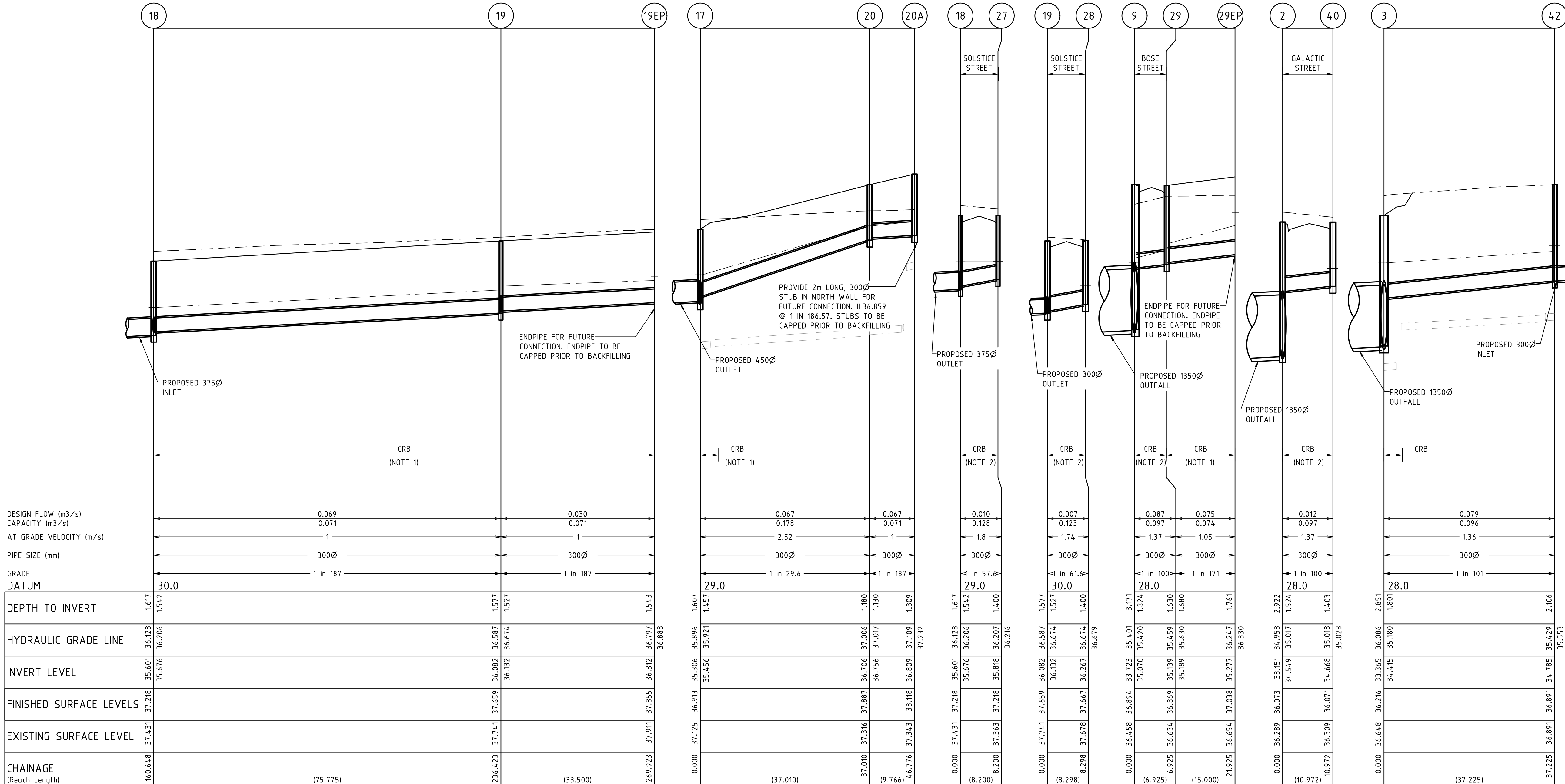
AS CONSTRUCTED

SIGNED	DATE

DRAWING NUMBER	REVISION
M100611.19-C17	AC



A.C.N. 109 448 982



NOTES

- PIPE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED WITH 20mm NOM. SIZE CLASS 3 CRUSHED ROCK TO BE COMPACTED TO A DRY DENSITY NOT LESS THAN 95% MODIFIED RELATIVE COMPACTION IN 150mm THICK LAYER FOR THE FOLLOWING:
 - BENEATH DRIVEWAY CROSSEOVERS TO THE UNDERSIDE OF THE PAVEMENT OR CROSSEOVER.
 - ADJACENT TO KERBING OR CONCRETE WORKS TO A LEVEL THAT IS NOT AFFECTED BY A 45 DEGREE ANGLE OF REPOSE FROM NEAR THE LOWER EDGE.
- ALL PIPES UNDER ROADS SHALL BE BACKFILLED WITH 2% STABILISED SAND TO SPRINGLINE. ABOVE THIS POINT, PROVIDE 20mm NOMINAL SIZE CLASS 3 FINE CRUSHED ROCK (WETMIX) COMPACTED TO 98% MODIFIED COMPACTION IN 150mm MAXIMUM LAYER.
- ALL DRAINAGE PIPES TO BE SPIGOT-SOCKET RUBBER RING JOINTED (RRJ).
- ALL DRAINAGE PIPES SHALL BE CLASS 2 RCP, UNLESS OTHERWISE NOTED.
- WHERE PITS DROP LESS THAN 50mm, THE PIT FLOOR MUST BE SHAPED TO MATCH THE LOWER HALF OF THE PIPE.
- ALL SPLAYED SECTIONS OF PIPE ARE TO BE BACKFILLED WITH 2% STABILIZED SAND, 300mm ABOVE TOP OF PIPE.

REINFORCED CONCRETE PIPES

ALL STORMWATER DRAINAGE PIPES SHALL NOT BE SUBJECTED TO CONSTRUCTION TRAFFIC LOADING DURING CONSTRUCTION UNLESS THE PIPE STRENGTH CHARACTERISTICS HAVE BEEN COMPUTED AND APPROVED BY THE CONTRACTORS ENGINEER. COMPUTATIONS ARE TO ACCORD WITH AS.3725-1989, LOADS ON BURIED PIPES. CONCRETE PIPES DAMAGED DUE TO CONSTRUCTION LOADS SHALL BE REPAIRED AT THE CONTRACTORS COST.

LEGEND

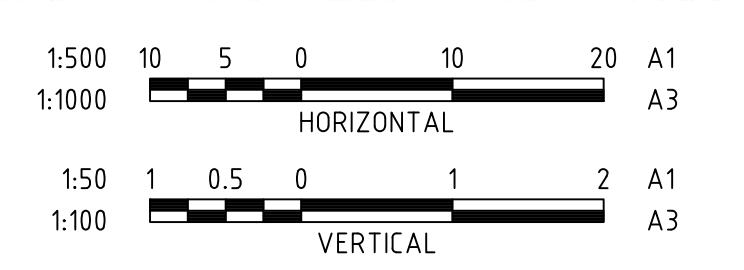
---	EXISTING SURFACE
---	DESIGN SURFACE
---	DRAINAGE PIPE/PIT
---	EXISTING DRAINAGE PIPE/PIT
---	HYDRAULIC GRADE LINE
---	FUTURE ULTIMATE SURFACE

NOTES:

- FOR PIT DIMENTIONING AND SETOUT DETAIL, REFER TO IDM STANDARD DRAWING SD400
- EASTING AND NORTING FOR PIT SETOUT, REFERS TO CENTRE OF PIT BASE

AS CONSTRUCTED SIGNATURES

SIGN	DATE
CALIBRE CONSULTING (MELB) PTY LTD LEVEL 2, 55 SOUTHBANK BOULEVARD SOUTHBANK VIC 3008	27/03/17
SIGN	DATE
WINSLOW CONSTRUCTORS 50 Barry Road CAMPBELLFIELD VIC 3081	27/03/2017



AC	14/03/17	AS CONSTRUCTED ISSUE
4	08/08/16	CRB NOTE AMENDED LINE 18-19EP
3	19/07/16	LINE 3-42 AMENDED
2	02/06/16	DLS 9 TO 29EP AMENDED
1	02/05/16	PIT 40 AMENDED
0	09/09/15	CONSTRUCTION ISSUE
C	07/09/15	DRAINAGE AMENDED TO SUIT POS
B		COUNCIL COMMENTS DATED 26/05/15
A		ISSUED FOR APPROVAL
	DATE	COMMENTS



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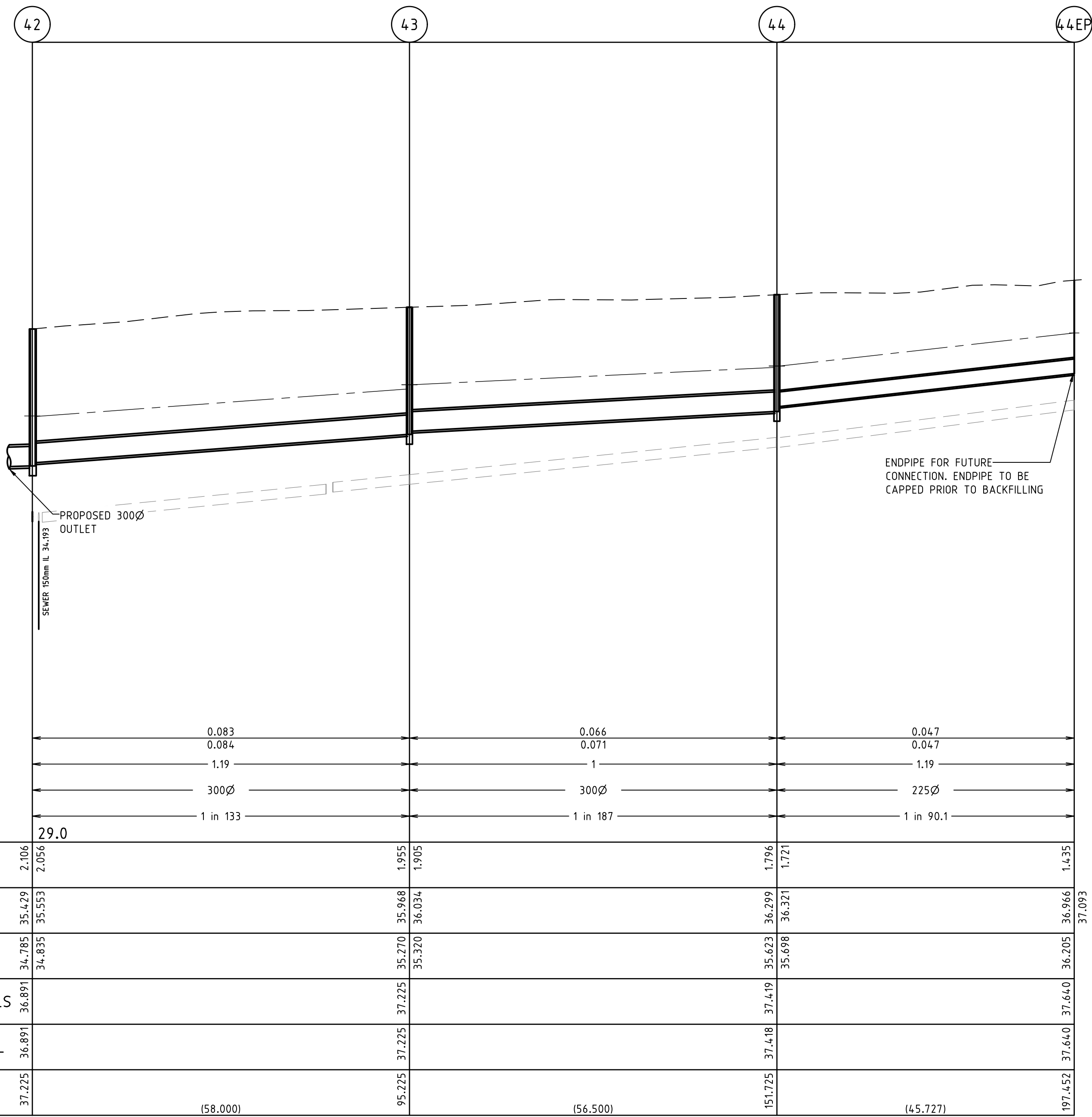
CALIBRE CONSULTING (MELB) PTY LTD
Level 2, 55 Southbank Boulevard
Southbank VIC 3006 T 03 9203 9000

DRAINAGE LONGITUDINAL SECTIONS - 3

SCALE @ A1	DRAWN	DESIGNED
H1:500 V1:50	R.KOZUL	R.KOZUL
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
J.CONSIGLIO	T.PALIOS	MARCH 2015

AS CONSTRUCTED

SIGNED	DATE
DRAWING NUMBER	REVISION
M100611.19-C18	AC



NOTES

- PIPE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED WITH 20mm NOM. SIZE CLASS 3 CRUSHED ROCK TO BE COMPACTED TO A DRY DENSITY NOT LESS THAN 95% MODIFIED RELATIVE COMPACTION IN 150mm THICK LAYER FOR THE FOLLOWING:
 - BENEATH DRIVEWAY CROSSEOVERS TO THE UNDERSIDE OF THE PAVEMENT OR CROSSEOVER.
 - ADJACENT TO KERBING OR CONCRETE WORKS TO A LEVEL THAT IS NOT AFFECTED BY A 45 DEGREE ANGLE OF REPOSE FROM NEAR THE LOWER EDGE.
- ALL PIPES UNDER ROADS SHALL BE BACKFILLED WITH 2% STABILISED SAND TO SPRINGLINE. ABOVE THIS POINT, PROVIDE 20mm NOMINAL SIZE CLASS 3 FINE CRUSHED ROCK (WETMIX) COMPACTED TO 98% MODIFIED COMPACTION IN 150mm MAXIMUM LAYER.
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- ALL SPLAYED SECTIONS OF PIPE ARE TO BE BACKFILLED WITH 2% STABILIZED SAND, 300mm ABOVE TOP OF PIPE

REINFORCED CONCRETE PIPES

ALL STORMWATER DRAINAGE PIPES SHALL NOT BE SUBJECTED TO CONSTRUCTION TRAFFIC LOADING DURING CONSTRUCTION UNLESS THE PIPE STRENGTH CHARACTERISTICS HAVE BEEN COMPUTED AND APPROVED BY THE CONTRACTORS ENGINEER. COMPUTATIONS ARE TO ACCORD WITH AS.3725-1989, LOADS ON BURIED PIPES. CONCRETE PIPES DAMAGED DUE TO CONSTRUCTION LOADS SHALL BE REPAIRED AT THE CONTRACTORS COST.

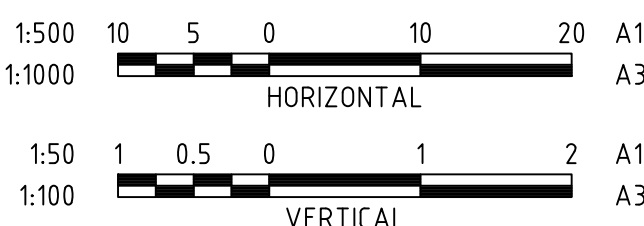
LEGEND

---	EXISTING SURFACE
---	DESIGN SURFACE
---	DRAINAGE PIPE/PIT
---	EXISTING DRAINAGE PIPE/PIT
---	HYDRAULIC GRADE LINE
---	FUTURE ULTIMATE SURFACE

NOTES:

- FOR PIT DIMENTIONING AND SETOUT DETAIL, REFER TO IDM STANDARD DRAWING SD400
- EASTING AND NORTHING FOR PIT SETOUT, REFERS TO CENTRE OF PIT BASE

AS CONSTRUCTED SIGNATURES	
SIGN	DATE
CALIBRE CONSULTING (MELB) PTY LTD	27/3/17
LEVEL 2, 55 SOUTHBANK BOULEVARD	
SOUTHBANK VIC 3008	
Winslow 27/03/2017	
SIGN	DATE
WINSLOW CONSTRUCTORS	
50 Barry Road	
CAMPBELLFIELD VIC 3081	



AC	DATE	ISSUE
2	14/03/17	AS CONSTRUCTED ISSUE
1	19/07/16	LINE 42-44EP AMENDED
0	20/05/16	PIT 48 AMENDED
0	09/09/15	CONSTRUCTION ISSUE
C	07/09/15	DRAINAGE AMENDED TO SUIT POS
B		COUNCIL COMMENTS DATED 26/05/15
A		ISSUED FOR APPROVAL
	DATE	COMMENTS



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DRAINAGE LONGITUDINAL SECTIONS - 4

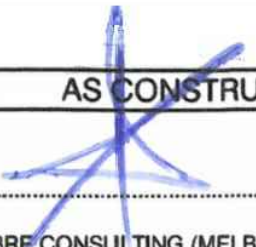
SCALE @ A1	DRAWN	DESIGNED
H1:500 V1:50	R.KOZUL	R.KOZUL
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
J.CONSIGLIO	T.PALIOS	MARCH 2015

AS CONSTRUCTED	
SIGNED	DATE
DRAWING NUMBER	REVISION
M100611.19-C19	AC



A.C.N. 109 448 982

PIT SCHEDULE											
PIT NUMBER	TYPE	INTERNAL		INLET		OUTLET		COVER LEVEL (m)	DEPTH (m)	STANDARD DRAWING	REMARKS
		WIDTH (m)	LENGTH (m)	DIA. (mm)	INVERT RL (m)	DIA. (mm)	INVERT RL (m)				
Ex.5EP	ExEP			1650	32.715	1650	32.715	35.779	3.064		CONNECT TO EXISTING ENDDPIPE
1	JP	2.150	2.450	1350	32.962	1650	32.813	35.879	3.066		HAUNCH PIT TO 600x900 COVER. FOR PIT DETAILS, REFER TO SHEET C25
2	SEP	1.950	0.900	1350	33.112	1350	33.151	36.073	2.922	SD 430	HAUNCH PIT TO 600x900 COVER
3	JP	1.650	0.900	1350	33.365	1350	33.365	36.216	2.851	SD 420	HAUNCH PIT TO 600x 900 COVER
4	SEP	1.650	0.900	1350	33.600	1350	33.600	36.499	2.899	SD 430	HAUNCH PIT TO 600x 900 COVER
5	SEP	1.650	0.900	1350	33.905	1350	33.905	36.880	2.975	SD 430	HAUNCH PIT TO 600x 900 COVER
5EP	ENDPIPE					1350	34.002	37.002	3.000		ENDPIPE FOR FUTURE CONNECTION. ENDDPIPE TO BE CAPPED PRIOR TO BACKFILLING
Ex.23EP	ExEP			300	34.693	300	34.693	36.013	1.320		CONNECT TO EXISTING ENDDPIPE
6	JP	0.600	0.900			300	35.114	36.185	1.071	SD425	
7	SEP	1.650	0.900	1350	33.282	1350	33.232	35.977	2.744	SD 430	HAUNCH PIT TO 600x 900 COVER
8	BJ			1350	33.473	1350	33.473	36.397	2.925		BANDAGE JOINT. FOR DETAILS REFER TO MELBOURNE WATER STANDARD DRAWING 7251/8/308
9	SEP	1.650	0.900	1350	33.773	1350	33.723	36.894	3.171	SD 430	HAUNCH PIT TO 600x 900 COVER
9EP	ENDPIPE					1350	33.848	37.068	3.220		ENDPIPE FOR FUTURE CONNECTION. ENDDPIPE TO BE CAPPED PRIOR TO BACKFILLING
12	SEP	0.900	0.900	450	34.444	450	34.394	35.956	1.562	SD 430	HAUNCH PIT TO 600x 900 COVER
13	JP	0.900	0.900	450	34.856	450	34.806	36.347	1.541	SD420	HAUNCH PIT TO 600x 900 COVER
14	JP	0.900	0.900	450	34.993	450	34.943	36.563	1.620	SD420	HAUNCH PIT TO 600x 900 COVER
15	SEP	0.900	0.900	450	35.108	450	35.058	36.771	1.712	SD 430	HAUNCH PIT TO 600x 900 COVER
16	SEP	0.900	0.900	450	35.211	450	35.161	36.776	1.614	SD 430	HAUNCH PIT TO 600x 900 COVER
17	JP	0.900	0.900	375	35.381	450	35.306	36.913	1.607	SD420	HAUNCH PIT TO 600x 900 COVER
18	SEP	0.900	0.600	300	35.676	375	35.601	37.218	1.617	SD 430	
19	SEP	0.600	0.900	300	36.132	300	36.082	37.659	1.577	SD 430	
19EP	ENDPIPE					300	36.312	37.854	1.543		ENDPIPE FOR FUTURE CONNECTION. ENDDPIPE TO BE CAPPED PRIOR TO BACKFILLING
20	JP	0.600	0.900	300	36.757	300	36.707	37.887	1.180	SD425	
20A	JP	0.600	0.900			300	36.809	38.118	1.309	SD460	PROVIDE INLET IN NORTH WALL OF PIT TO CATER FOR GRASS CATCH DRAIN. PROVIDE 2m LONG, 300 DIA. STUB IN NORTH WALL FOR FUTURE CONNECTION. IL36.86 AT 1 IN 186.6. STUB TO BE CAPPED PRIOR TO BACKFILLING.
27	SEP	0.900	0.600			300	35.818	37.218	1.400	SD 430	
28	SEP	0.600	0.900			300	36.267	37.667	1.400	SD 430	
29	SEP	0.600	0.900	300	35.189	300	35.139	36.869	1.730	SD 430	
29EP	ENDPIPE					300	35.277	37.038	1.761		ENDPIPE FOR FUTURE CONNECTION. ENDDPIPE TO BE CAPPED PRIOR TO BACKFILLING
40	SEP	0.600	0.900			300	34.668	36.071	1.403	SD 430	
42	JP	0.900	0.900	300	34.835	300	34.785	36.891	2.106	SD425	HAUNCH PIT TO 600x900 COVER
43	JP	0.900	0.900	300	35.320	300	35.270	37.225	1.955	SD425	HAUNCH PIT TO 600x900 COVER
44	JP	0.600	0.900	225	35.698	300	35.623	37.419	1.796	SD425	
44EP	ENDPIPE					225	36.205	37.640	1.425		ENDPIPE FOR FUTURE CONNECTION. ENDDPIPE TO BE CAPPED PRIOR TO BACKFILLING
46	SEP	0.600	0.900			300	35.062	36.464	1.402	SD 430	
47	SEP	0.600	0.900			300	35.444	36.845	1.402	SD 430	
Ex.97	Ex.PIT	0.600	0.900	225	35.444	225	35.394	36.424	1.056		DEMOLISH EXISTING PIT AND RECONSTRUCT 600x900mm JUNCTION PIT
48	JP	0.600	0.900			225	35.564	36.564	1.000	SD425	
Ex.111	Ex.PIT	0.600	0.900	225	35.677	225	35.627	36.922	1.295		CONNECT TO EXISTING 225 DIA. STUBS IN NORTH AND SOUTH WALLS OF EXISTING PIT
49	JP	0.600	0.900			225	35.961	36.961	1.000	SD425	
50	JP	0.600	0.900			225	35.832	36.832	1.000	SD425	
Ex.117EP	Ex.EP			300	34.925	300	34.925	36.454	1.529		CONNECT TO EXISTING ENDDPIPE
51	JP	0.600	0.900			300	34.980	36.508	1.528	SD420	

AS CONSTRUCTED SIGNATURES	
	27/3/17
SIGN CALIBRE CONSULTING (MELB) PTY LTD LEVEL 2, 55 SOUTHBANK BOULEVARD SOUTHBANK VIC 3006	DATE
<i>Winslow</i>	27/03/2017
SIGN WINSLOW CONSTRUCTORS 50 Barry Road CAMPBELLFIELD VIC 3081	DATE

AC	14/03/17	AS CONSTRUCTED ISSUE
5	19/07/16	PITS 42-44EP AMENDED
4	27/06/16	PIT No.1 INTERNAL DIMENTIONS UPDATED
3	06/06/16	Ex. PIT 97 AMENDED
2	02/06/16	PITS 9, 29 AND 29EP AMENDED
1	20/05/16	PITS 6, 40 & 48 AMENDED
0	09/09/15	CONSTRUCTION ISSUE
E	07/09/15	DRAINAGE AMENDED TO SUIT POS
D	18/08/15	PIT SCHEDULE AMENDED
C	18/08/15	COUNCIL COMMENTS DATED 26/05/15
B		PIT 29 UPDATED
A		ISSUED FOR APPROVAL
	DATE	COMMENTS



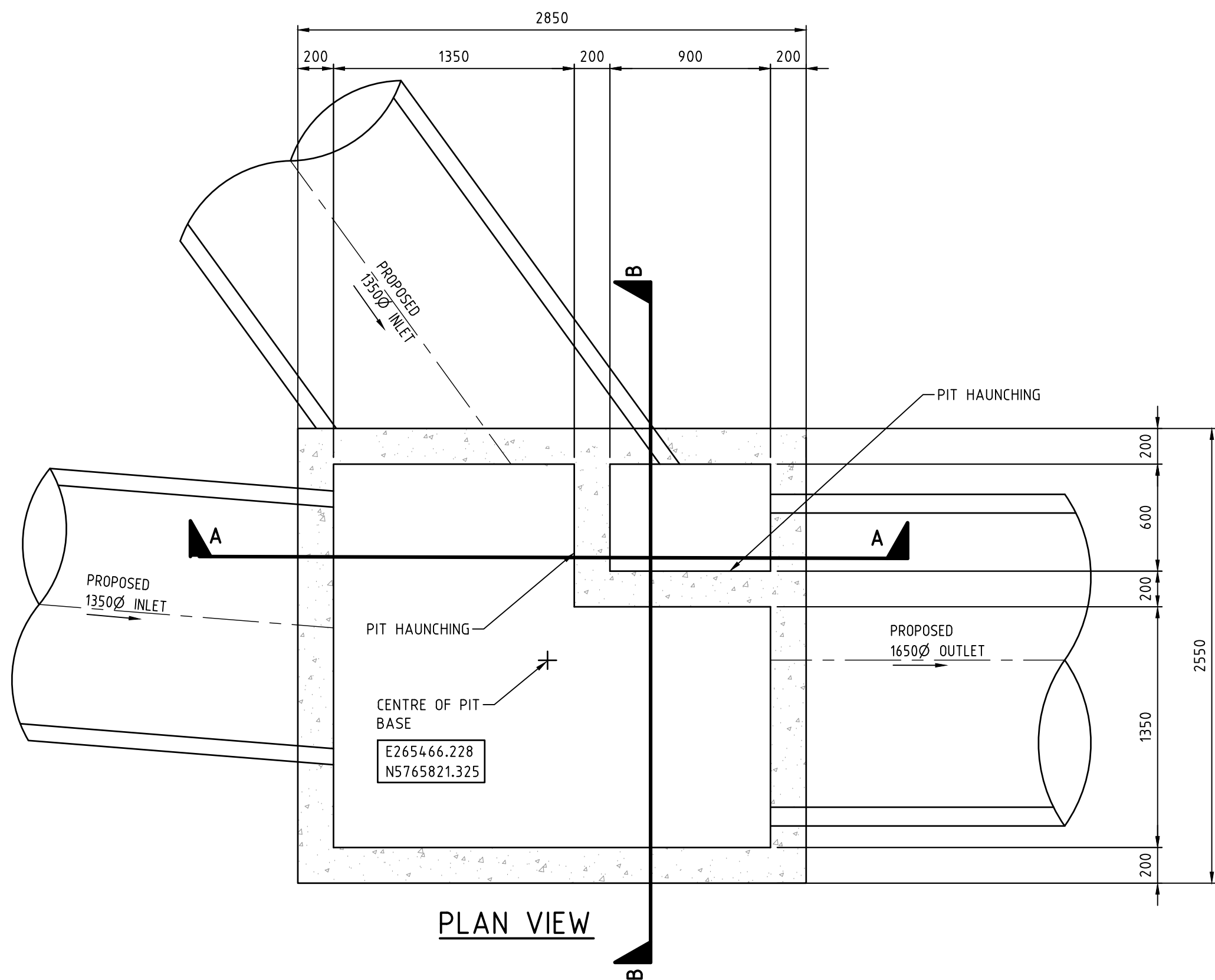
CALIBRE CONSULTING (MELB) PTY LTD
Level 2, 55 Southbank Boulevard
Southbank VIC 3006 T 03 9203 9000

TITLE

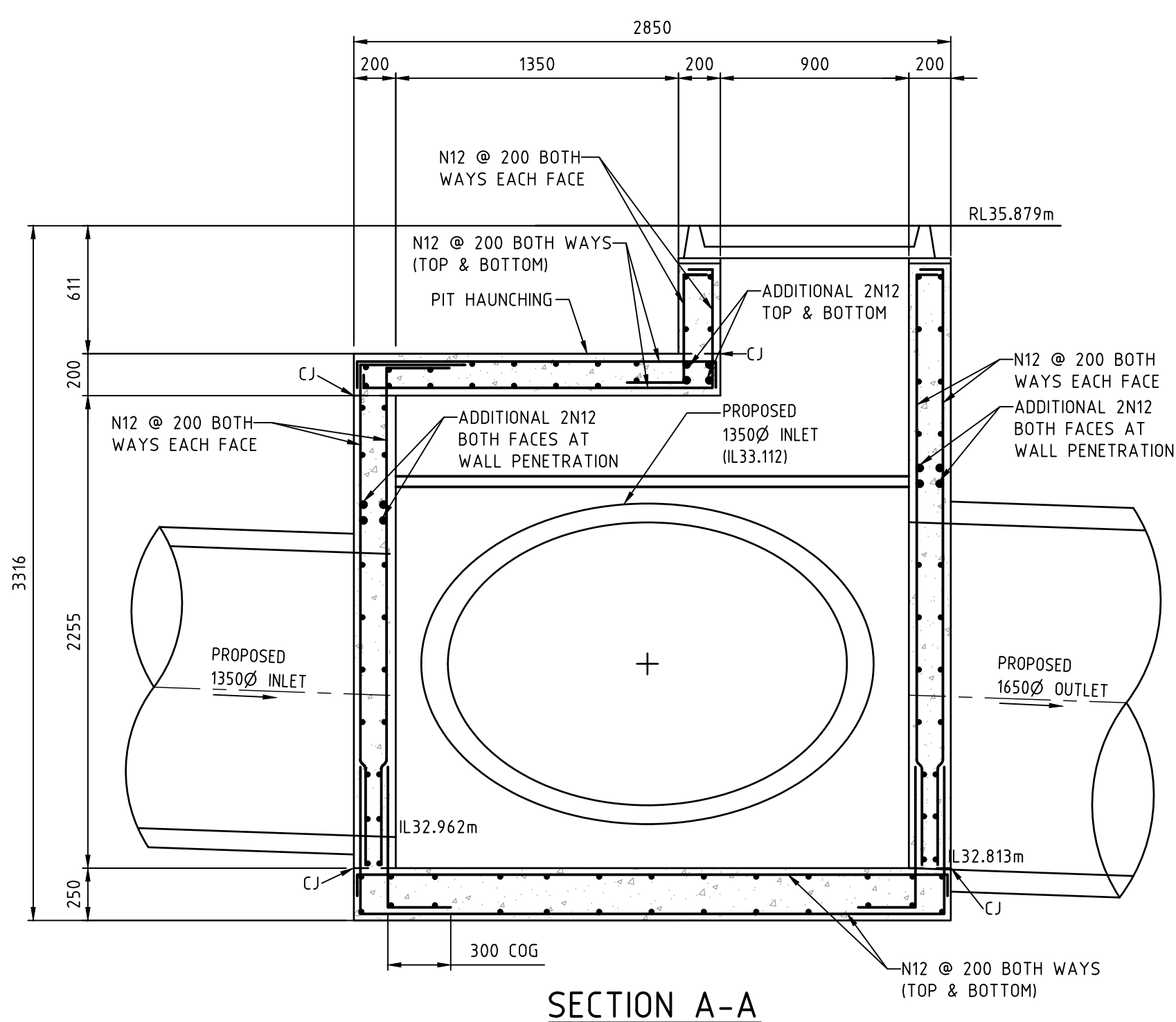
PIT SCHEDULE

SCALE @ A1 NTS	DRAWN R.KOZUL	DESIGNED R.KOZUL
PROJECT ENGINEER J.CONSIGLIO	PROJECT MANAGER T.PALIOS	DATE FIRST ISSUE MARCH 2015

AS CONSTRUCTED		
SIGNED	DATE	
DRAWING NUMBER	M100611.19-C20	REVISION AC

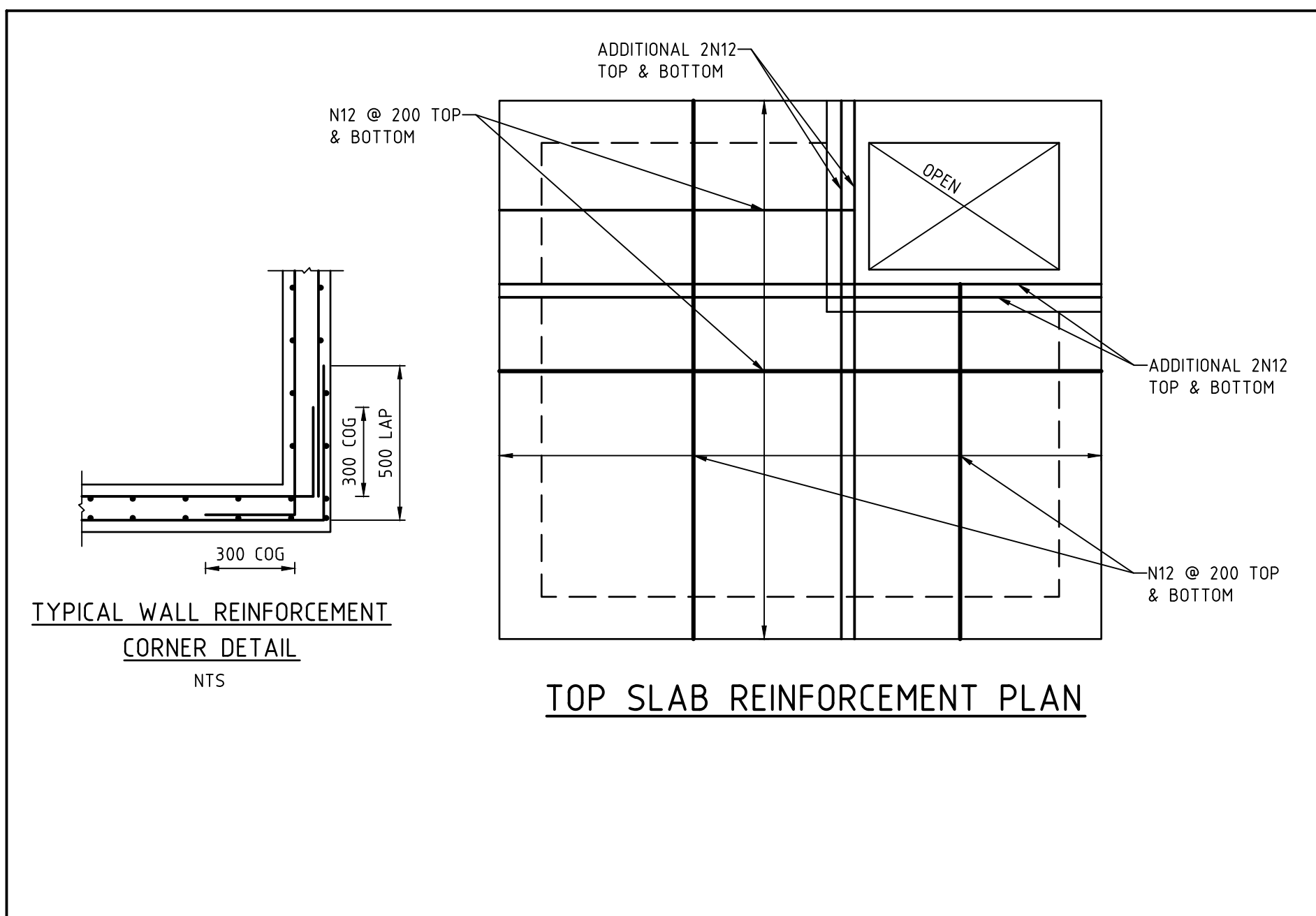


PLAN VIEW



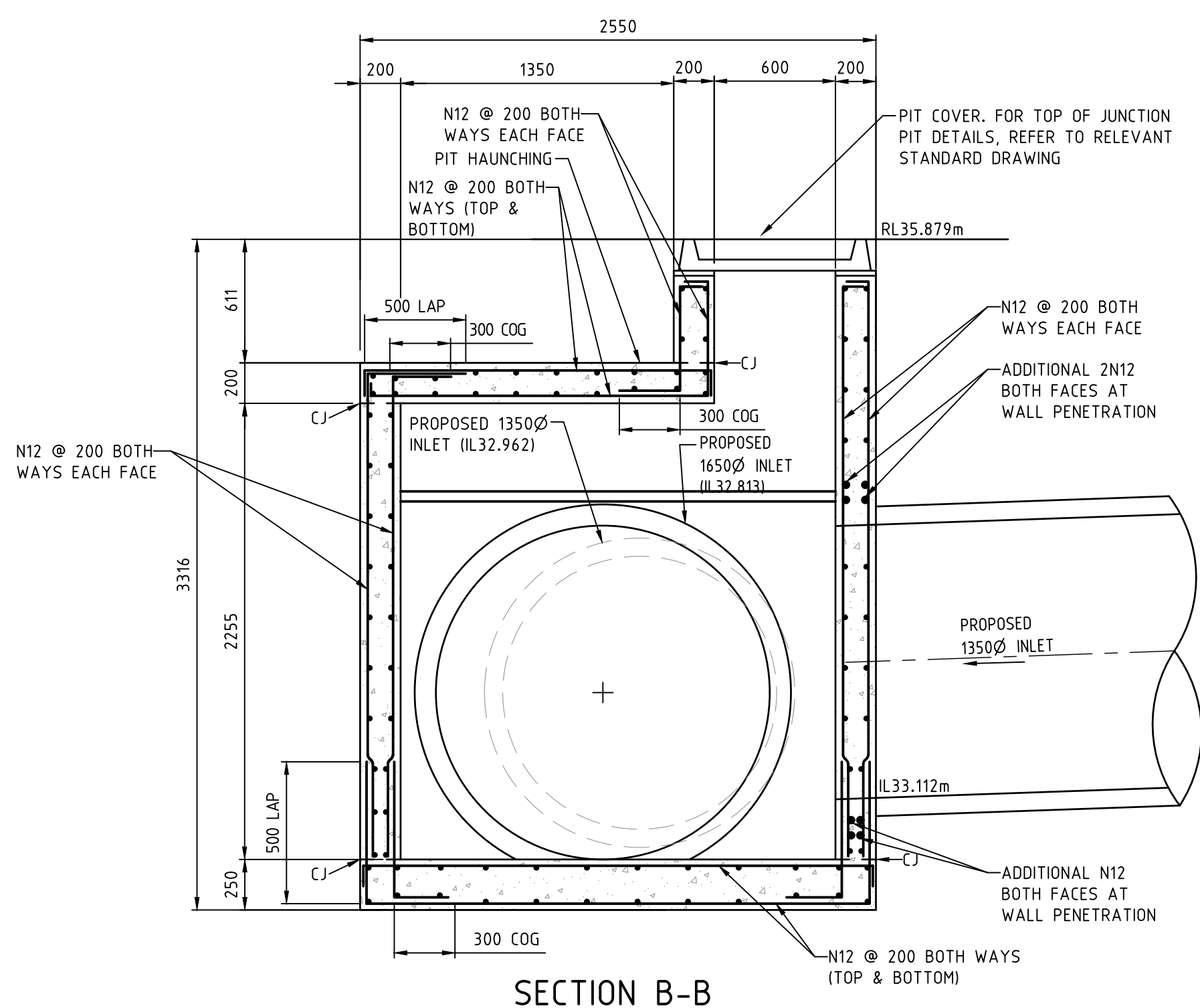
SECTION A-A

- NOTES:
1. ALL WORKMANSHIP & MATERIALS SHALL COMPLY WITH AS3600.
 2. ALL DIMENSIONS SHOWN ARE IN MILLIMETERS, UNLESS NOTED OTHERWISE.
 3. SUBSURFACE DRAIN HOLES TO BE SEALED, IF NOT USED
 4. CONCRETE STRENGTH IS TO BE 32MPa (MIN) AT 28 DAYS
 5. DESIGN SURCHARGE 20KPa
 6. ALL CONCRETE COVER SHALL BE 40mm, EXCEPT BASE SLAB BOTTOM REINFORCEMENT 65mm
 7. THE PIT SHALL BE FOUNDED IN UNDISTURBED MATERIAL HAVING MIN. SAFE BEARING CAPACITY OF 100KPa.



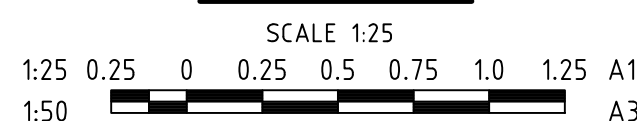
TYPICAL WALL REINFORCEMENT
CORNER DETAIL
NTS

TOP SLAB REINFORCEMENT PLAN



SECTION B-B

PIT No. 1



AS CONSTRUCTED SIGNATURES	
SIGN	DATE
CALIBRE CONSULTING (MELB) PTY LTD LEVEL 2, 55 SOUTHBANK BOULEVARD SOUTHBANK VIC 3008	27/03/17
SIGN	DATE
WINSLOW CONSTRUCTORS 50 Barry Road CAMPBELLFIELD VIC 3081	27/03/2017

AC	14/03/17	AS CONSTRUCTED ISSUE
1	27/06/16	PIT No.1 E-N AMENDED
0	09/09/15	CONSTRUCTION ISSUE
C		PIT No. AMENDED
B		PIT 6 UPDATED
A		ISSUED FOR APPROVAL
	DATE	COMMENTS



PROJECT
ARMSTRONG
MT DUNEED
STAGE 19

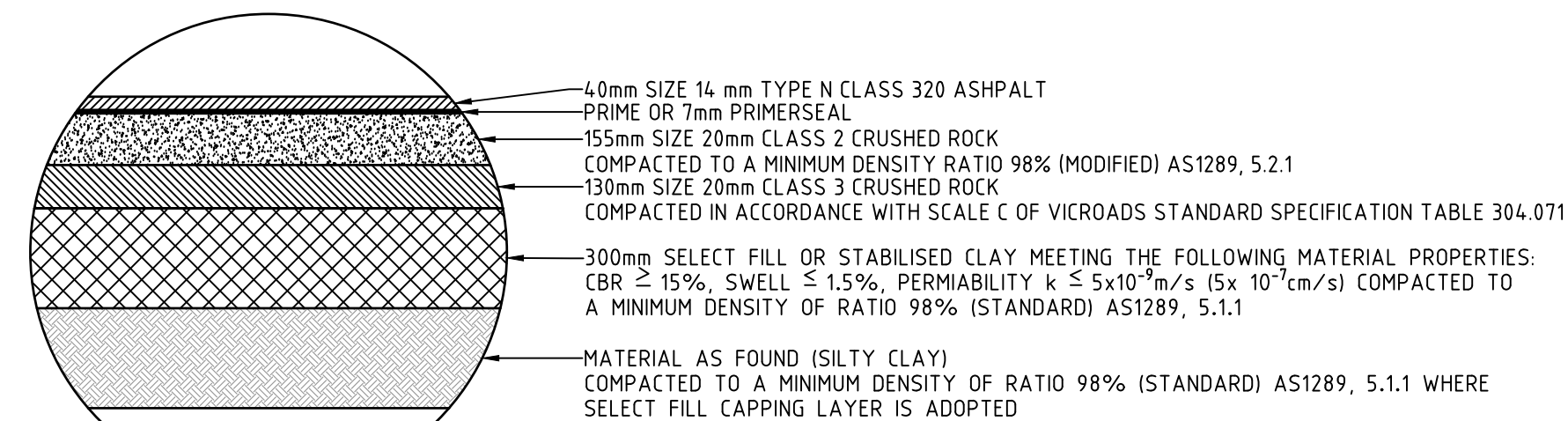


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Level 2, 55 Southbank Boulevard
Southbank VIC 3006 T 03 9203 9000

TITLE
DRAINAGE PIT DETAILS

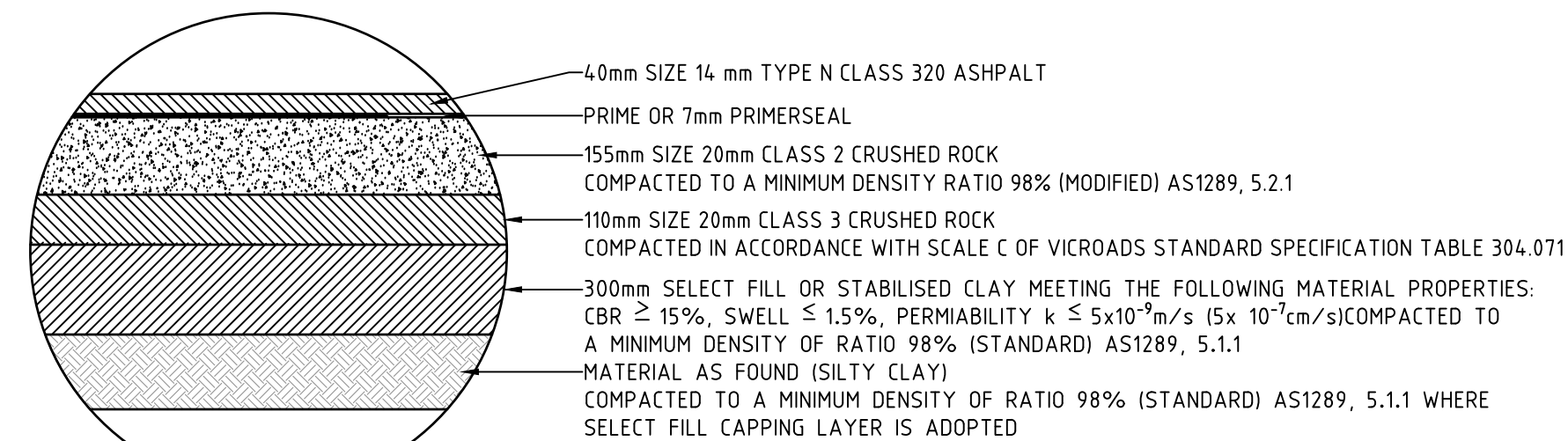
SCALE @ A1	DRAWN	DESIGNED
AS SHOWN	R.KOZUL	R.KOZUL
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
J.CONSIGLIO	T.PALIOS	MARCH 2015

AS CONSTRUCTED	
SIGNED	DATE
DRAWING NUMBER	REVISION
M100611.19-C21	AC



**PAVEMENT COMPOSITION
BOSE STREET & GALACTIC STREET
625mm DEPTH**

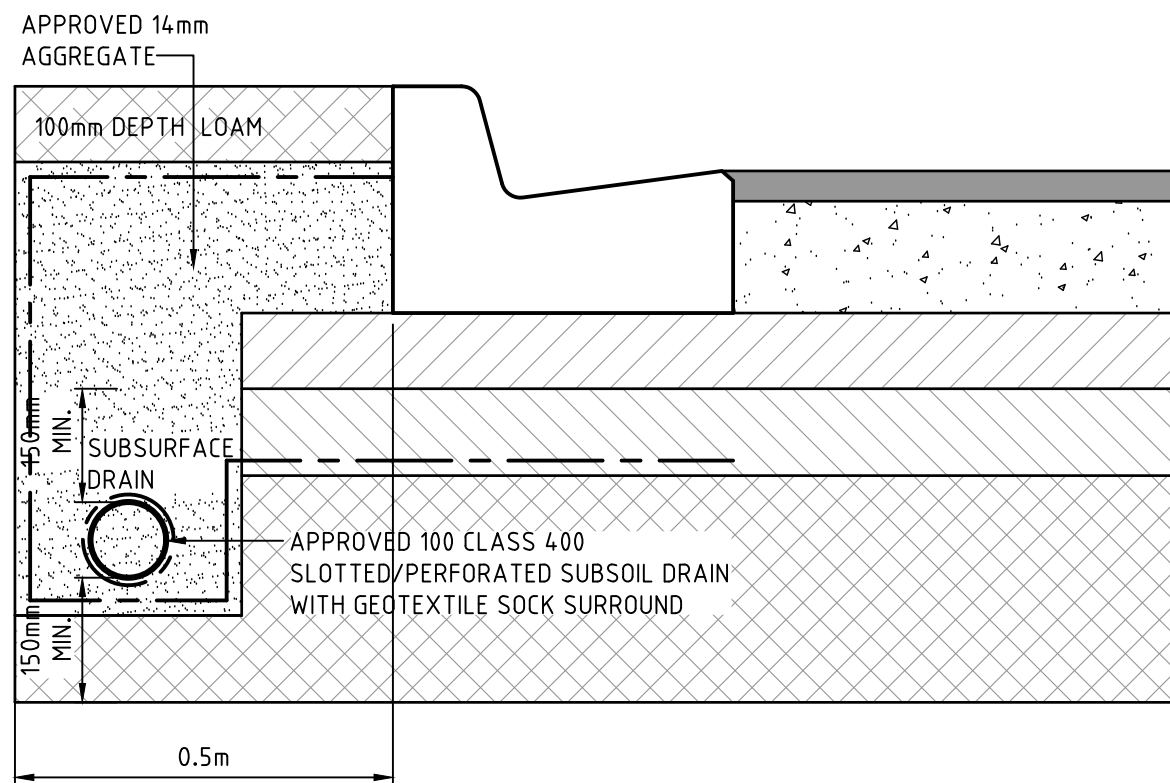
NOTE: AS NOTED IN THE IDM SECTION 12.7.9, COMPACTION TESTING OF THE SUBGRADE IS ONLY REQUIRED IN AREAS OF FILL.



**PAVEMENT COMPOSITION
NEON AVENUE, CELESTIAL WAY & SOLSTICE STREET
605mm DEPTH**

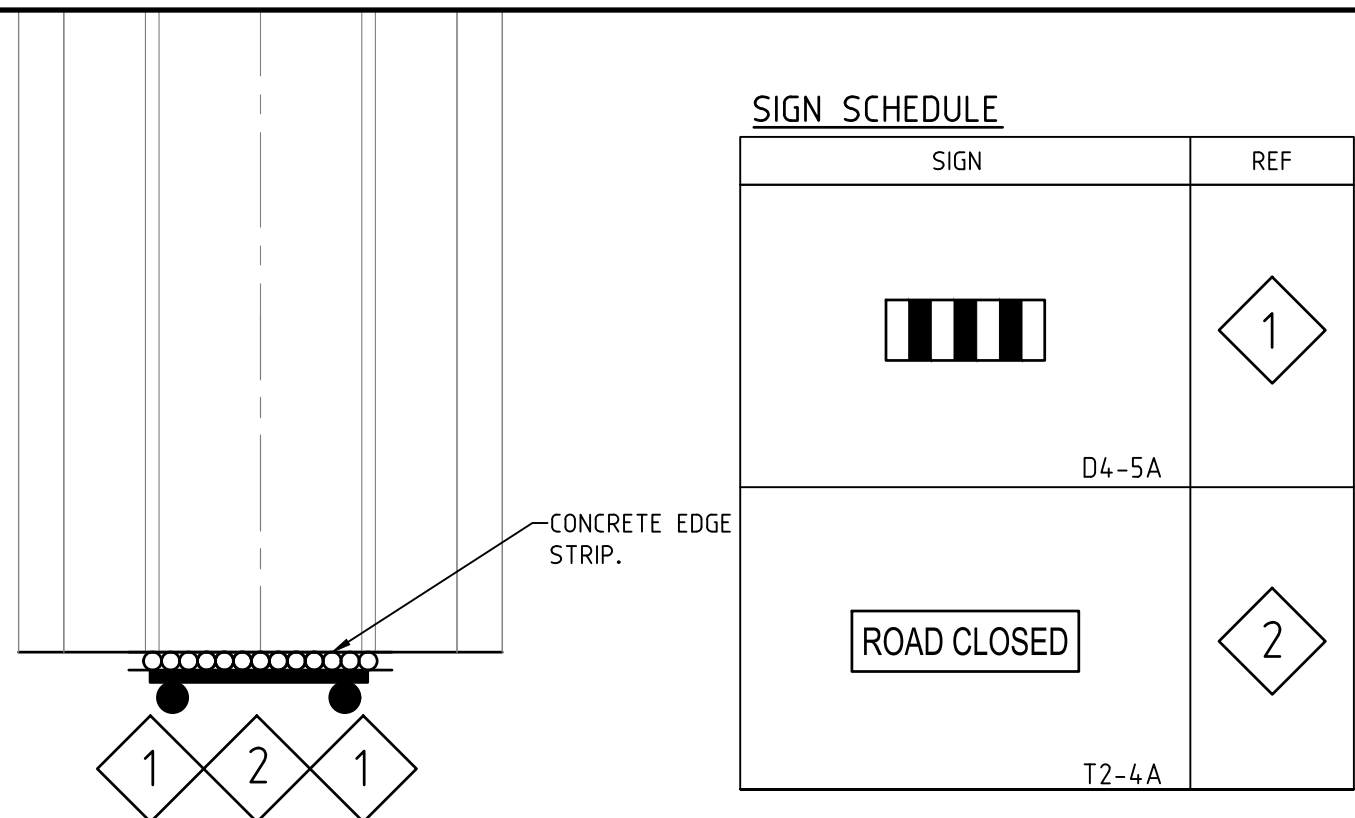
NOTE: AS NOTED IN THE IDM SECTION 12.7.9, COMPACTION TESTING OF THE SUBGRADE IS ONLY REQUIRED IN AREAS OF FILL.

NOTE:
ASPHALT TO BE 5mm PROUD OF LIP OF KERB FOR ALL KERB PROFILES EXCEPT M3 KERB AND EDGE STRIP

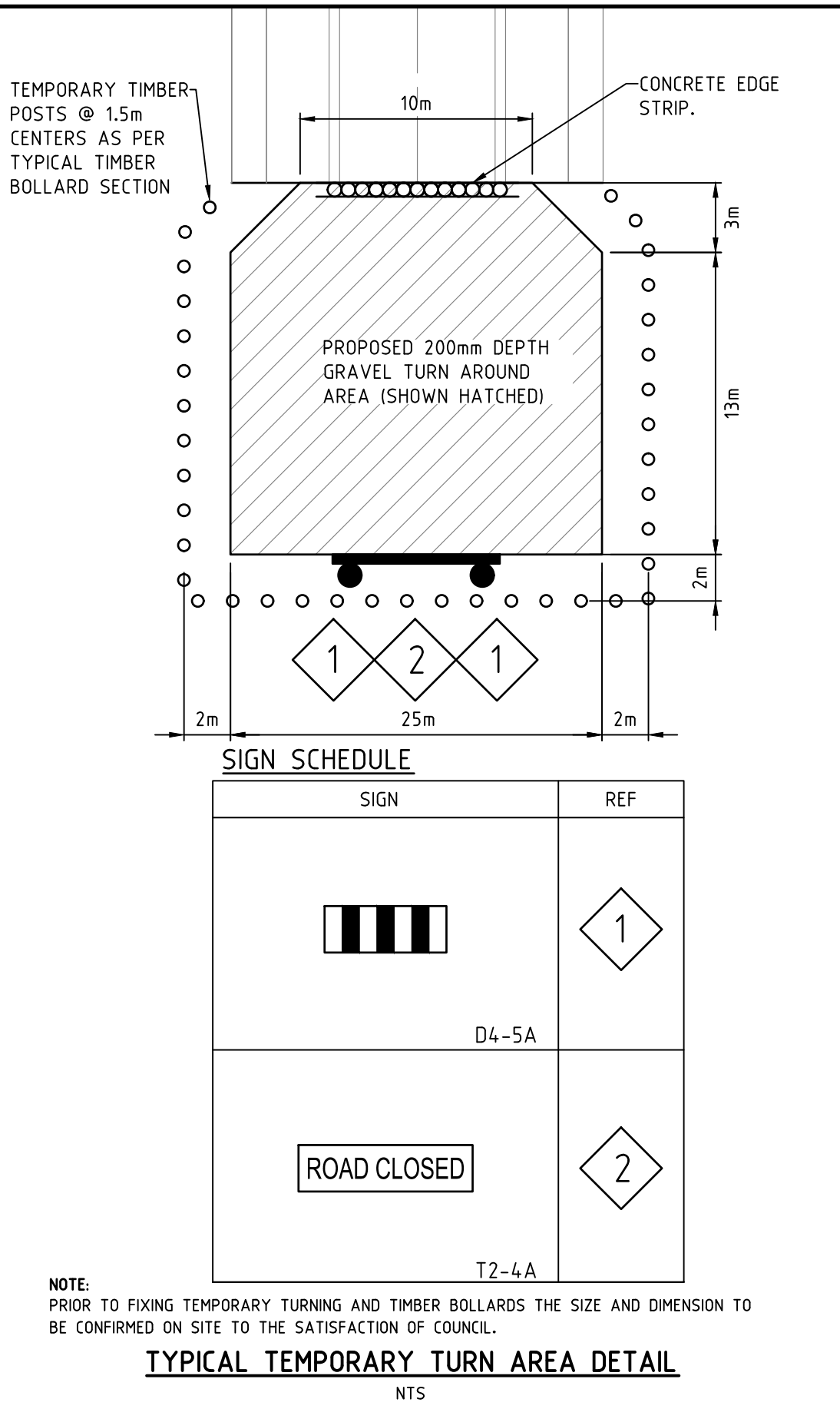
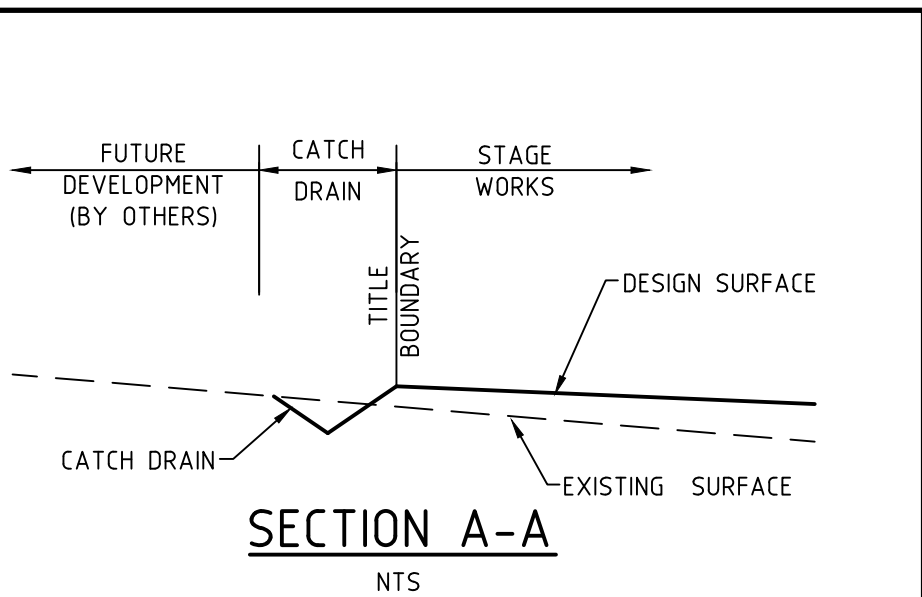


**SUBSURFACE DRAINAGE WITHIN
CAPPING LAYER DETAIL**

- NOTES:
1. THE CAPPING LAYER TO EXTEND 0.5m BEYOND THE BACK OF KERB
 2. PROOF ROLL TO BE CONDUCTED AT SUBGARDE LEVEL TO ENSURE CBR OF 15



NO ROAD SIGN AND BARRIER DETAIL



TYPICAL TEMPORARY TURN AREA DETAIL

GENERAL NOTES

1. THE WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT INFRASTRUCTURE DESIGN MANUAL STANDARD DRAWINGS AND GREATER GEELONG CITY COUNCIL STANDARD DRAWINGS AND SPECIFICATIONS. WORKS TO BE CARRIED OUT TO THE SATISFACTION OF COUNCIL'S SUPERVISING OFFICER.
2. THE CONTRACTOR IS RESPONSIBLE FOR SAFETY OF WORK ON SITE IN ACCORDANCE WITH APPROPRIATE LEGISLATION. THEY SHALL ERECT AND MAINTAIN ALL SHORING, PLANKING AND STRUTTING, DEWATERING DEVICES, BARRICADES, SIGNS, LIGHTS, ETC. NECESSARY TO KEEP WORKS IN A SAFE AND STABLE CONDITION, AND TO PROTECT THE PUBLIC FROM HAZARDS ASSOCIATED WITH THE WORKS.
3. THE CONTRACTOR SHALL:
 - 3.1. COMPLY WITH THE "SAFETY PRECAUTIONS IN TRENCHING OPERATIONS" (CODE OF PRACTICE No.8, 1998)
 - 3.2. NOTIFY WORK SAFE OF HIS INTENTION TO COMMENCE TRENCHING OPERATIONS WHERE TRENCHES ARE 1.5 METRES OR DEEPER.
 - 3.3. ENSURE THAT THE MINE MANAGER OR HIS DEPUTY AS REQUIRED BY THE REGULATIONS IS IN ATTENDANCE WHEN TRENCHING OPERATIONS ARE IN PROGRESS.
4. THE CONTRACTOR IS TO NOTIFY COUNCIL AND ALL SERVICE AUTHORITIES SEVEN (7) DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
5. THE LOCATION OF EXISTING SERVICES SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCING ANY EXCAVATION BY CONTACTING ALL RELEVANT SERVICE AUTHORITIES. ANY EXISTING SERVICES SHOWN ON THE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT.
6. REDGUM TREES MARKED ON THE APPROVED PLANS FOR REMOVAL MUST BE REMOVED IN ACCORDANCE WITH COUNCIL'S PLANNING PERMIT. NO EXCAVATION SHALL BE CARRIED OUT WITHIN THE TREE PROTECTION ZONE OF ANY EXISTING TREE WITHOUT WRITTEN APPROVAL FROM COUNCIL'S SUPERVISING OFFICER.
7. ALL ROAD CHAINAGES ARE MEASURED ALONG THE ROAD CENTRELINE EXCEPT KERB RETURNS AND COURTHEADS, WHERE LIP OF KERB CHAINAGES ARE SPECIFIED. ALL DIMENSIONS AND RADII ARE GIVEN TO THE LIP OF KERB. DO NOT SCALE OFF THESE DRAWINGS, WRITTEN DIMENSIONS ONLY SHALL BE USED.
8. ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM.
9. WHEN ENGAGED IN BLASTING OPERATIONS THE CONTRACTOR SHALL NOT BLAST WITHIN 4.5m OF AN EXISTING LINE OF WATER, GAS OR SEWER PIPES OR WITHIN 15m OF ANY COMPLETED PART OF THE WORKS WITHOUT THE CONSENT OF THE SUPERINTENDENT.
10. ALL EXCAVATED OR FILLED AREAS OUTSIDE THE ROAD RESERVES TO BE STRIPPED OF TOPSOIL AND STOCKPILED PRIOR TO EARTHWORKS COMMENCING. THESE AREAS SHALL BE SURFACED WITH A 150mm LAYER OF TOPSOIL AS SPECIFIED.
11. NO TOPSOIL TO BE REMOVED FROM SITE.
12. NO FILL OR STOCKPILING OF MATERIAL IS TO BE PLACED ON ANY RESERVE UNLESS DIRECTED BY THE SUPERINTENDENT.
13. FILLING ON ALLOTMENTS AND UNDER ROAD PAVEMENTS TO HAVE LEVEL 1 SUPERVISION IN ACCORDANCE WITH AS3798-1996. INDIVIDUAL LOT CERTIFICATES ARE TO BE PROVIDED TO THE SUPERINTENDENT.
14. FILLING UNDER DRIVEWAYS AND FOOTPATH IS TO BE APPROVED BY THE SUPERINTENDENT AND CONSTRUCTED IN LAYERS 150mm DEPTH. COMPACTION ACHIEVING 98% AUSTRALIAN STANDARD DENSITY.
15. CUT AND FILL BATTERS ARE NOT TO EXCEED 1 in 6 UNLESS SHOWN OTHERWISE.
16. ALL DRAINAGE PIPES ARE TO BE SPIGOT-SOCKET RUBBER RING JOINTED.
17. ALL DRAINAGE TRENCHES UNDER PARKING BAYS, DRIVEWAYS, FOOTPATHS AND BEHIND KERB & CHANNEL, SHALL BE BACKFILLED WITH CRUSHED ROCK AS SPECIFIED.
18. ALL PIPES UNDER ROADS SHALL BE BACKFILLED WITH 2% STABILIZED SAND TO SPRINGLINE. ABOVE THIS POINT, PROVIDE 20mm NOM. SIZE CLASS 3 FINE CRUSHED ROCK (WETMIX) COMPACTED TO 98% MODIFIED COMPACTION IN 150mm MAXIMUM LAYER.
19. PROPERTY INLETS AS PER INFRASTRUCTURE DESIGN MANUAL (IDM) STANDARD DRAWING SD 520 ARE TO BE LOCATED 1.0m FROM LOW SIDE BOUNDARY UNLESS SHOWN OTHERWISE.
20. ALL HOUSE DRAIN CONNECTIONS ARE TO BE LOCATED NO CLOSER THAN 6.0m FROM THE SIDE BOUNDARY OR FROM EASEMENT ALONG THE SIDE BOUNDARY UNLESS NOTED OTHERWISE AND CONNECTED DIRECTLY TO UNDERGROUND DRAIN OR PIT. HOUSE DRAIN LOCATION TO BE MARKED (50mm STAMPED IMPRESSION) ON THE TOP OF THE KERB.
21. SUBSOIL DRAINS SHALL BE INSTALLED BEHIND OR BELOW ALL KERB AND CHANNEL AS PER INFRASTRUCTURE DESIGN MANUAL SD145.
22. CONDUIT LOCATIONS ARE SUBJECT TO AMENDMENT AND CONDUITS SHALL NOT BE LAID UNTIL WRITTEN APPROVAL IS GIVEN BY THE SUPERINTENDENT. CONDUITS TO BE EXTENDED TO PROPERTY LINE AND ARE REQUIRED WHEN CONNECTIONS EXTEND UNDER ROAD PAVEMENT, FOOTPATH OR OTHER INFRASTRUCTURE. BOTH KERBS ARE TO BE MARKED (50mm STAMPED IMPRESSION) WITH THE LETTERS E (ELECTRICAL), G (GAS), T (TELEPHONE), W (WATER) AND C (COUNCIL COMMUNICATION) ABOVE CONDUIT LOCATION.
23. ALL SERVICING TRENCHES UNDER ROADS, DRIVEWAYS, FOOTPATHS ETC. ARE TO BE BACKFILLED & COMPACTED WITH F.C.R. IN THE CASE OF TRENCHES UNDER ROADS WHERE BACKFILLING HAS NOT ACHIEVED THE SPECIFIED COMPACTION OR SHOWS EXCESSIVE MOVEMENT UNDER PROOF ROLLING, THE BACKFILLING SHALL BE REMOVED AND REPLACED WITH 2% STABILISED COMPACTED F.C.R.
24. NO COMMUNICATION PITS ARE TO BE LOCATED IN THE FOOTPATH.
25. VEHICULAR CROSSINGS TO BE LOCATED CLEAR OF DRAINAGE PITS, SEWER MAINTENANCE HOLES AND EXISTING TREES. VEHICLE CROSSINGS TO BE 1m FROM PROPERTY BOUNDARY OR EASEMENT UNLESS OTHERWISE SHOWN. VEHICULAR CROSSINGS TO BE CONSTRUCTED AS PER GREATER CITY OF GEELONG STANDARD DRAWING.
26. ALL PEDESTRIAN CROSSING TO BE IN ACCORDANCE WITH INFRASTRUCTURE DESIGN MANUAL SD200.
27. ALL STREET SIGNS TO BE IN ACCORDANCE WITH INFRASTRUCTURE DESIGN MANUAL STANDARD DRAWINGS. STREET SIGNS TO BE ATTACHED TO LIGHT POLES USING 'SINGLE DIRECTION COLLAR' OR '90° RIGHT ANGLE COLLAR' UNLESS SHOWN OTHERWISE.
28. ALL PAVEMENT MARKINGS AND TRAFFIC SIGNS SHOULD BE TO AS1742.2 AND AS1742.1 STANDARD RESPECTIVELY. TEMPORARY LINEMARKING TO BE PLACED DURING MAINTENANCE PERIOD PRIOR TO PLACEMENT OF WEARING COURSE. FINAL LINEMARKING TO BE LONG LIFE ROAD MARKING WITH LONGITUDINAL LINES IN THERMOPLASTIC AND TRANSVERSE MARKINGS IN COLD APPLIED.
29. UPON COMPLETION OF CONSTRUCTION THE WHOLE SITE SHALL BE CLEANED UP, GRADED, ALL RUBBISH REMOVED AND LEFT IN A CLEAN AND TIDY CONDITION TO THE SATISFACTION OF THE SUPERINTENDENT.
30. ALL AREAS OF SUBDIVISION EXPOSED OF VEGETATION, INCLUDING NATURE STRIPS, LOTS AND RESERVES ARE TO BE FULLY GRASSSED BY HYDRO MULCHING, WATERED AND MAINTAINED, UNTIL THE END OF MAINTENANCE PERIOD.
31. ALL SUMPS IN PRECAST CONCRETE PITS ARE TO BE INFILLED WITH CONCRETE FLUSH TO THE INVERT LEVEL OF THE OUTLET PIPE, UNLESS APPROVED OTHERWISE BY THE COUNCIL WORKS INSPECTOR.
32. CITY OF GREATER GEELONG REQUIRES CCTV OF ALL DRAINAGE PIPES AND PITS, PRIOR TO THE ISSUE OF THE STATEMENT OF COMPLIANCE

AS CONSTRUCTED SIGNATURES		
SIGN	DATE	
CALIBRE CONSULTING (MELB) PTY LTD LEVEL 2, 55 SOUTHBANK BOULEVARD SOUTHBANK VIC 3008	27/3/17	
Winslow	27/03/2017	
SIGN	DATE	
WINSLOW CONSTRUCTORS 50 Berry Road CAMPBELLFIELD VIC 3081		

AC	14/03/17	AS CONSTRUCTED ISSUE
1	18/01/17	TEMPORARY TURN DETAIL AMENDED
0	09/09/15	CONSTRUCTION ISSUE
C	18/08/15	TEMPORARY TURN AREA DETAIL ADDED
B		COUNCIL COMMENTS DATED 26/05/15
A		ISSUED FOR APPROVAL
REV	DATE	COMMENTS



PROJECT
ARMSTRONG
MT DUNEED
STAGE 19

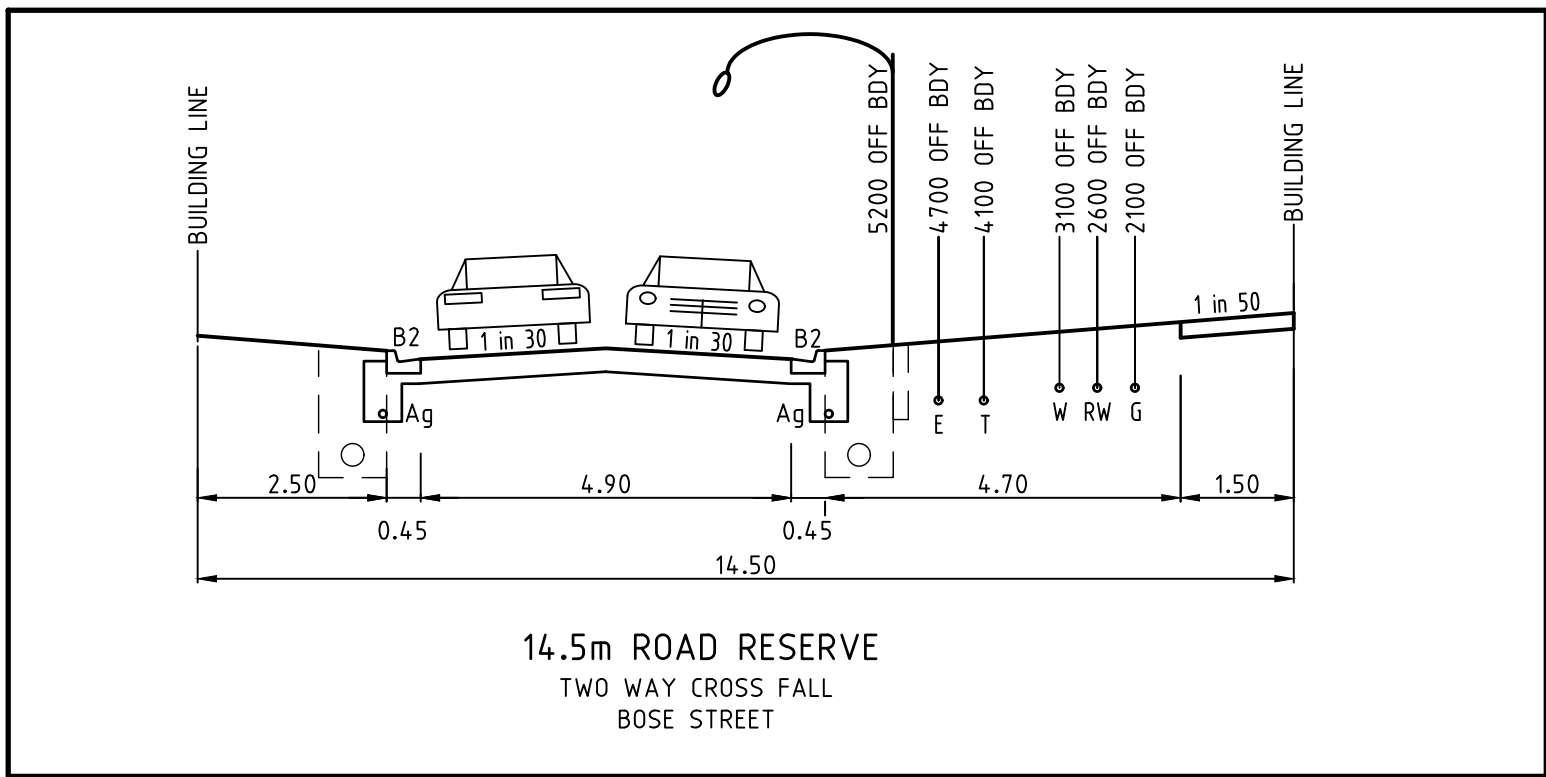
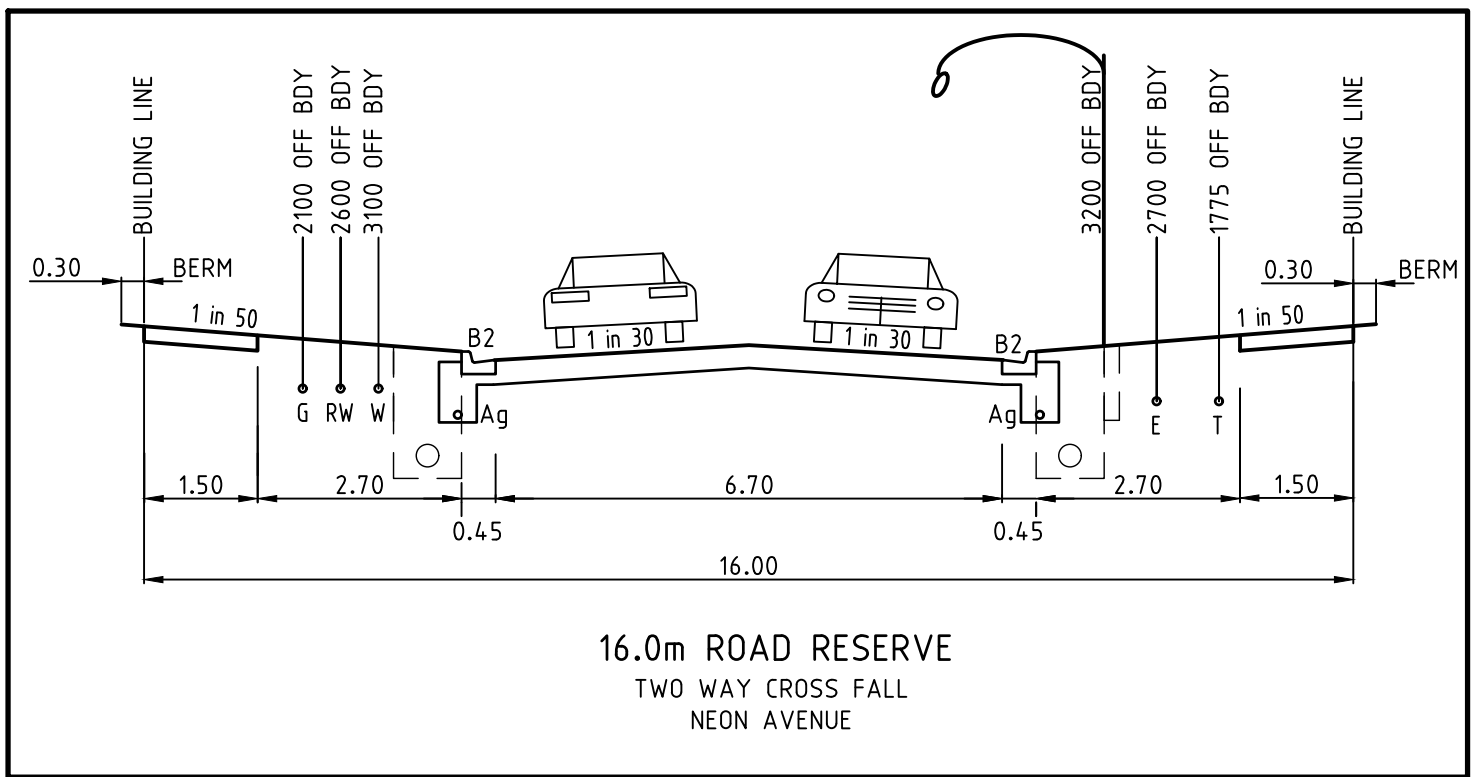
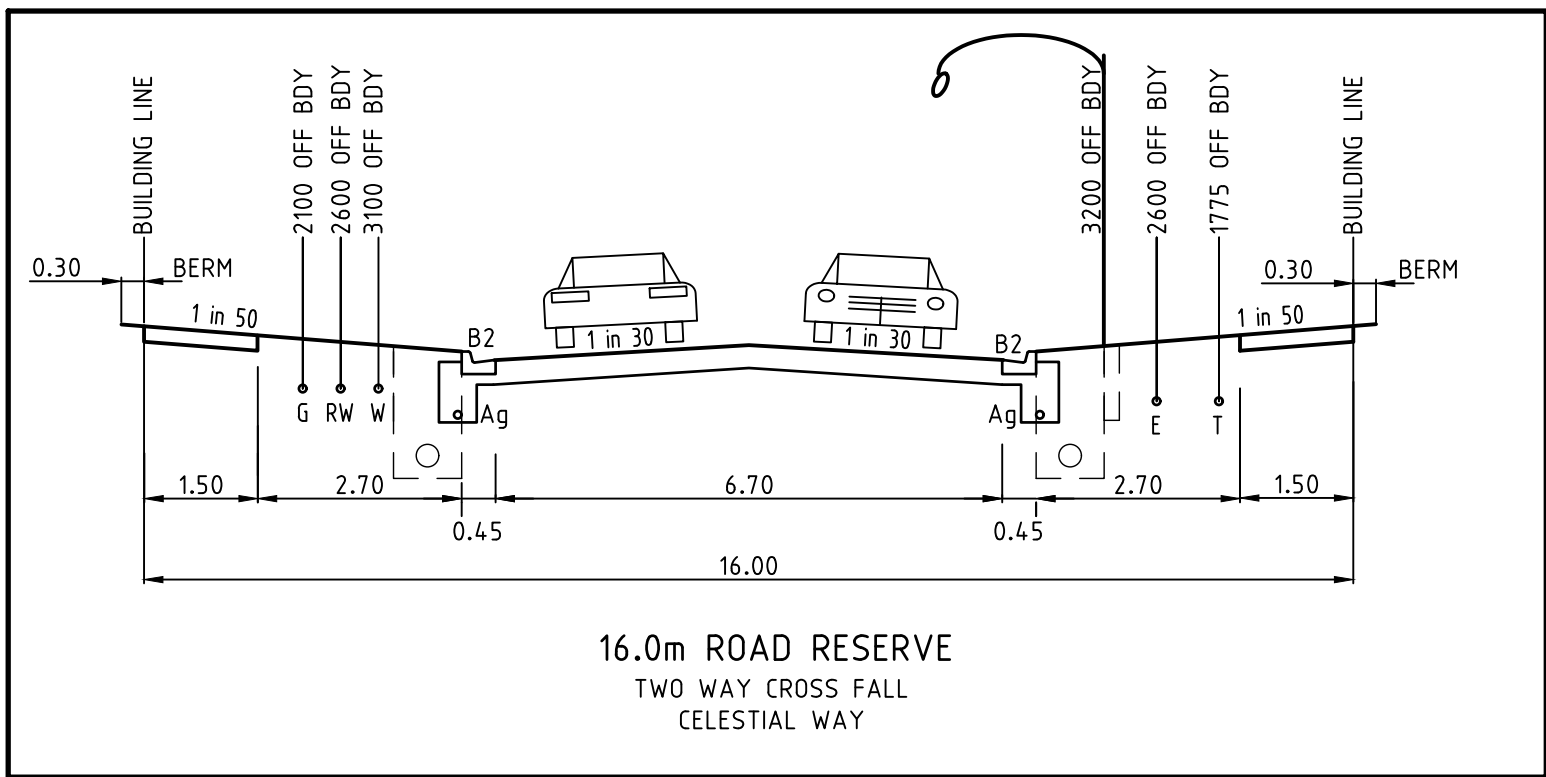
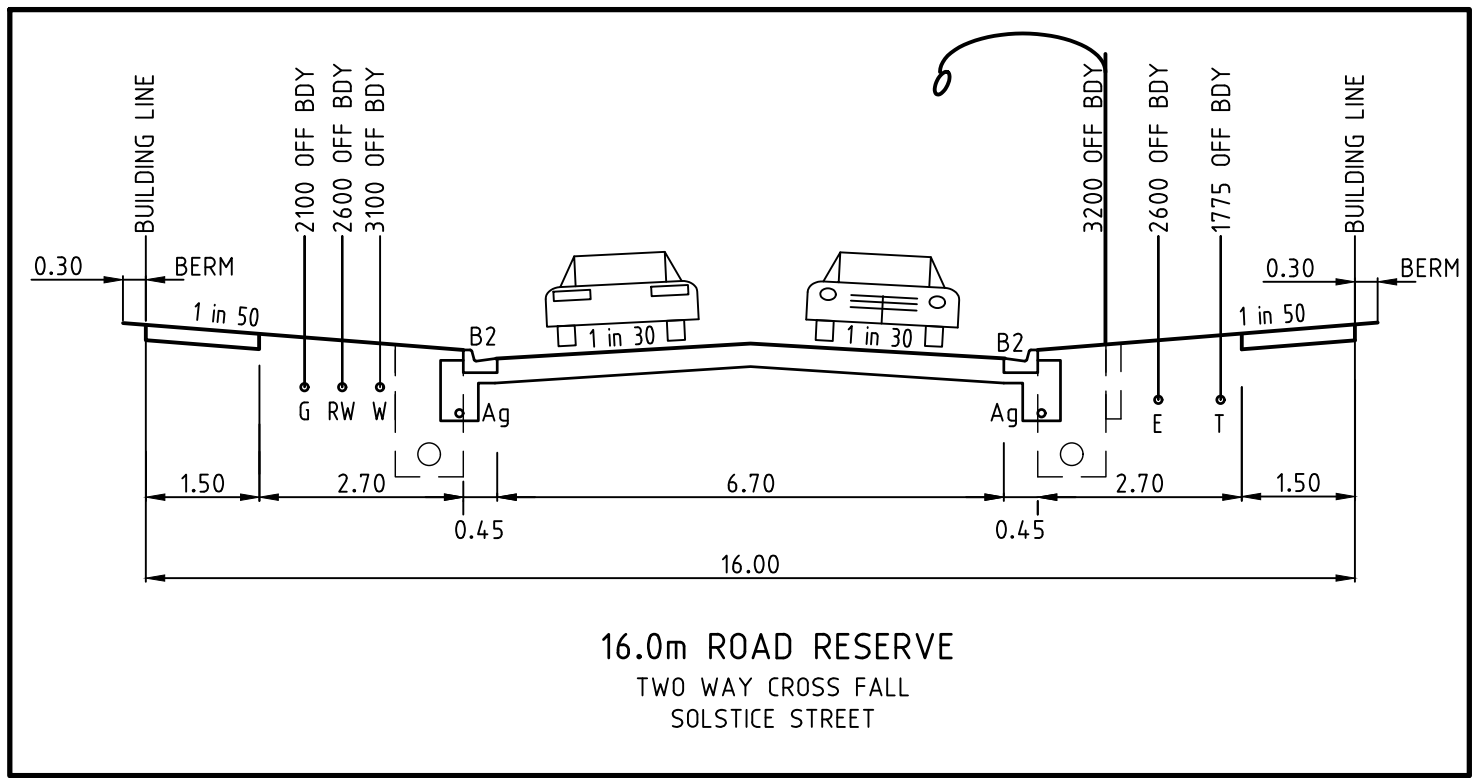
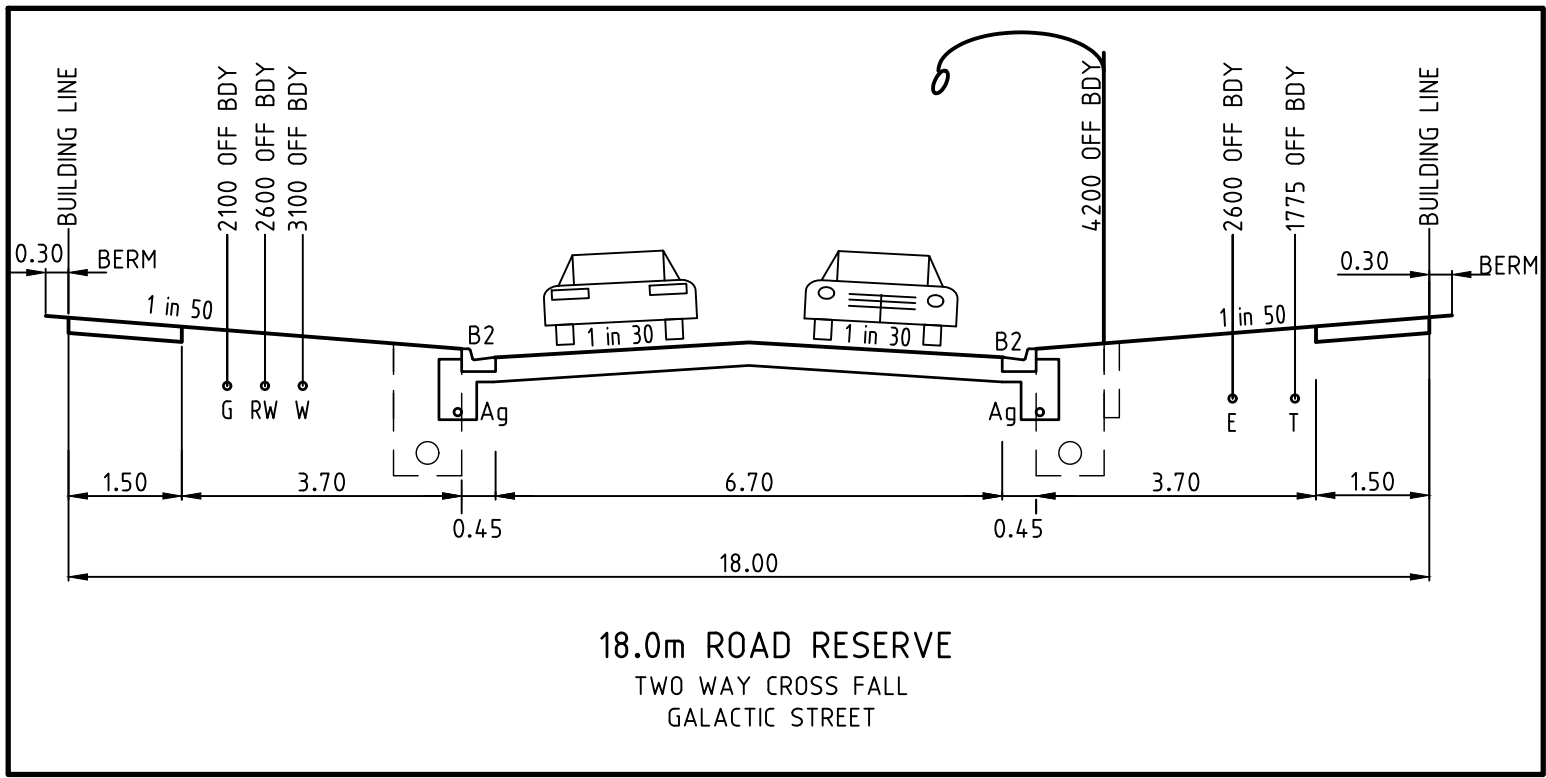


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Southbank VIC 3006 T 03 9203 9000

GENERAL NOTES & DETAILS - 1

SCALE @ A1 NTS	DRAWN R.KOZUL	DESIGNED R.KOZUL
PROJECT ENGINEER J.CONSIGLIO	PROJECT MANAGER T.PALIOS	DATE FIRST ISSUE MARCH 2015

AS CONSTRUCTED		
SIGNED	DATE	
DRAWING NUMBER M100611.19-C22	REVISION AC	



AS CONSTRUCTED SIGNATURES		
SIGN	DATE	
CALIBRE CONSULTING (MELB) PTY LTD	27/3/17	
LEVEL 2, 55 SOUTHBANK BOULEVARD		
SOUTHBANK VIC 3008		
Winslow	27/03/2017	
SIGN	DATE	
WINSLOW CONSTRUCTORS		
50 Barry Road		
CAMPBELLFIELD VIC 3081		

REV	DATE	COMMENTS
AC	14/03/17	AS CONSTRUCTED ISSUE
0	09/09/15	CONSTRUCTION ISSUE
C	18/08/15	BOSE STREET SECTION AMENDED
B		BOSE STREET UPDATED, NEON STREET ADDED
A		ISSUED FOR APPROVAL



PROJECT
ARMSTRONG
MT DUNED
STAGE 19



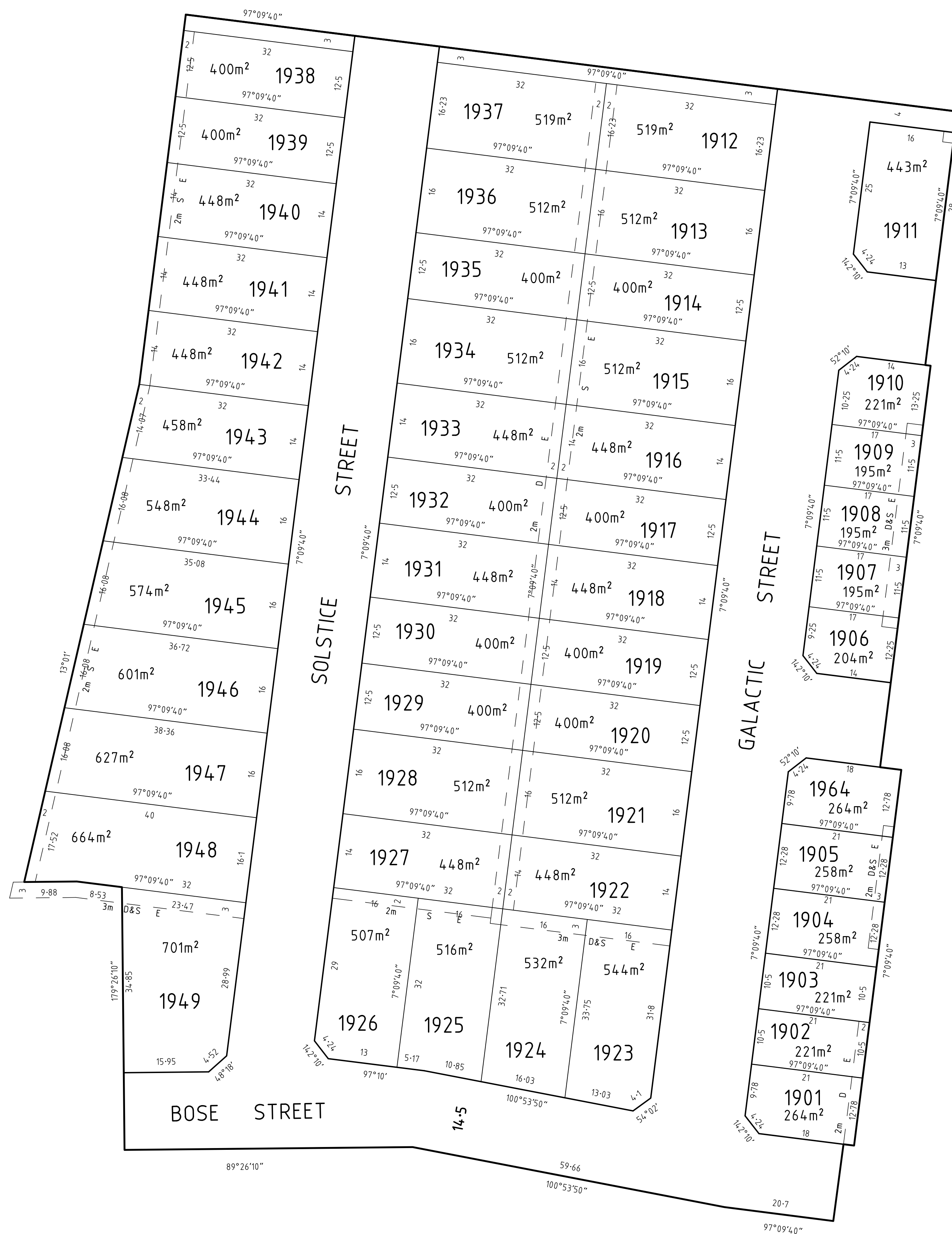
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GENERAL NOTES & DETAILS - 2

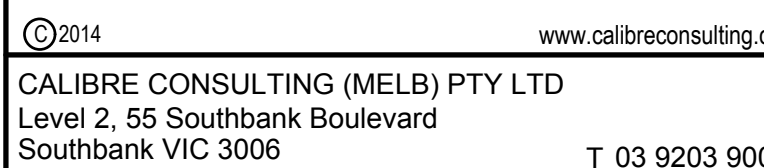
SCALE @ A1 N.T.S	DRAWN R.KOZUL	DESIGNED R.KOZUL
PROJECT ENGINEER J.CONSIGLIO	PROJECT MANAGER T.PALIOS	DATE FIRST ISSUE MARCH 2015

AS CONSTRUCTED		
SIGNED	DATE	
DRAWING NUMBER M100611.19-C23	REVISION AC	





AC	14/03/17	AS' CONSTRUCTED ISSUE
2	06/06/16	EASEMENT AMENDED (LOT 1904 - 1964)
1	20/05/16	POS AMENDED
0	09/09/15	CONSTRUCTION ISSUE
D	07/09/15	POS AMENDED
C	18/08/15	SUBDIVISION SETOUT PLAN AMENDED
B		EASEMENT ADDED TO BACK OF LOTS 1952-1954
A		ISSUED FOR APPROVAL
REV.	DATE	COMMENTS

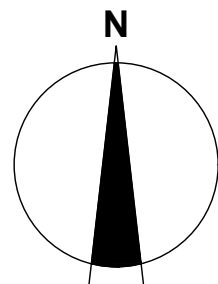


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1:1000 A3

AS CONSTRUCTED

M100611.19-C24

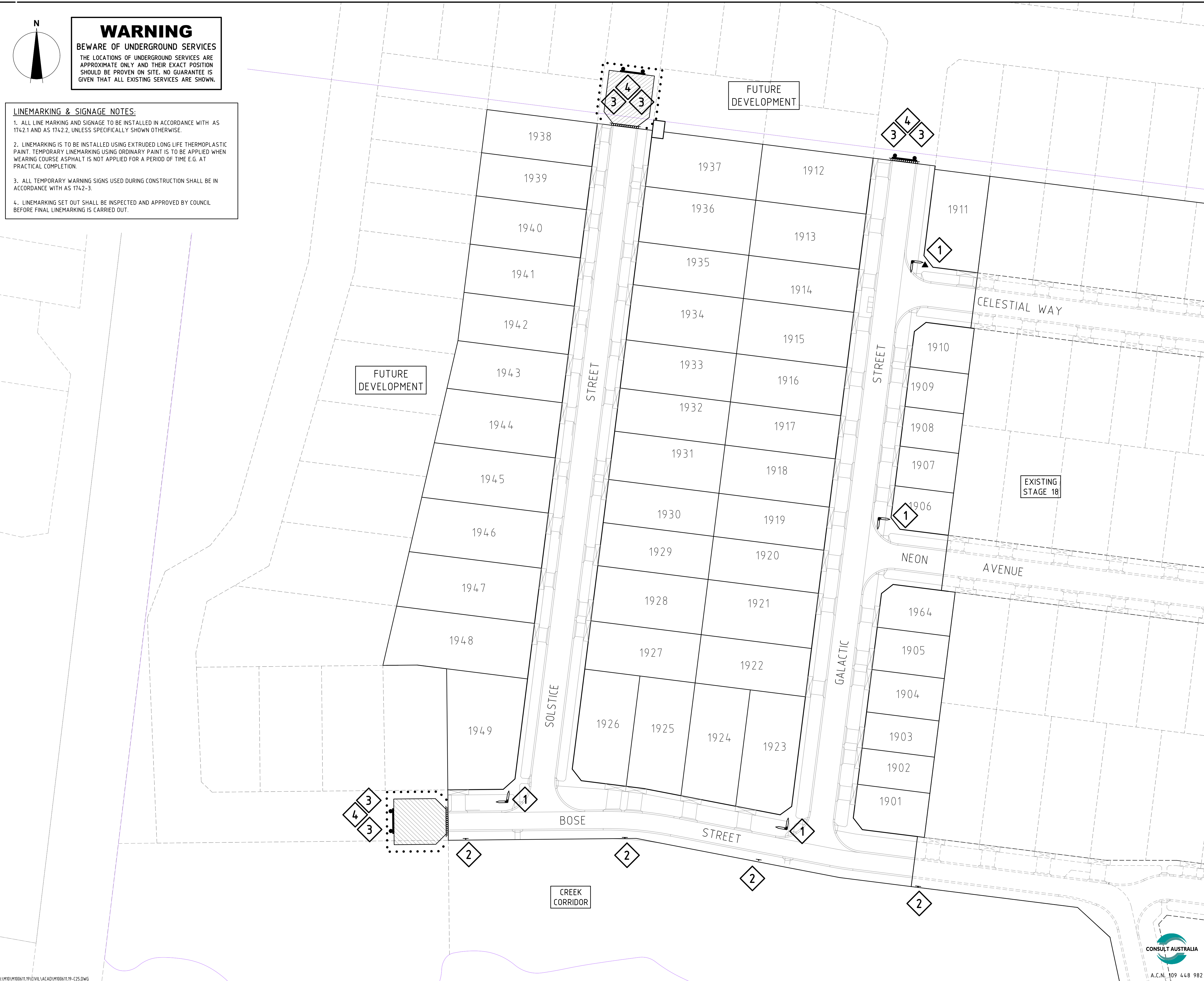
AC



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.

LINEMARKING & SIGNAGE NOTES:

1. ALL LINE MARKING AND SIGNAGE TO BE INSTALLED IN ACCORDANCE WITH AS 1742.1 AND AS 1742.2, UNLESS SPECIFICALLY SHOWN OTHERWISE.
2. LINEMARKING IS TO BE INSTALLED USING EXTRUDED LONG LIFE THERMOPLASTIC PAINT. TEMPORARY LINEMARKING USING ORDINARY PAINT IS TO BE APPLIED WHEN WEARING COURSE ASPHALT IS NOT APPLIED FOR A PERIOD OF TIME E.G. AT PRACTICAL COMPLETION.
3. ALL TEMPORARY WARNING SIGNS USED DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH AS 1742-3.
4. LINEMARKING SET OUT SHALL BE INSPECTED AND APPROVED BY COUNCIL BEFORE FINAL LINEMARKING IS CARRIED OUT.



SIGN SCHEDULE

SIGN	REF
	1
STREET SIGN	
	2
R5-35	
	3
D4-5A	
	4
T2-4A	

AS CONSTRUCTED SIGNATURES

SIGN
CALIBRE CONSULTING (MELB) PTY LTD
LEVEL 2, 55 SOUTHBANK BOULEVARD
SOUTHBANK VIC 3006
DATE
27/3/17

SIGN
WINSLOW CONSTRUCTORS
50 Barry Road
CAMPBELLFIELD VIC 3081
DATE
27/03/2017

REV	DATE	COMMENTS
AC	14/03/17	AS CONSTRUCTED ISSUE
2	17/01/16	DRIVEWAY LOT 1931 AMENDED
1	13/07/16	DRIVEWAY LOT 1922 AMENDED
0	09/09/15	CONSTRUCTION ISSUE
D	07/09/15	POS AMENDED
C	18/08/15	STAGE LIMIT AMENDED
B		TRAFFIC COMMENTS DATED 23/05/15
A		ISSUED FOR APPROVAL



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SIGNS AND LINEMARKING PLAN



SCALE @ A1 1:500	DRAWN R.KOZUL	DESIGNED R.KOZUL
PROJECT ENGINEER J.CONSIGLIO	PROJECT MANAGER T.PALIOS	DATE FIRST ISSUE MARCH 2015

AS CONSTRUCTED

SIGNED	DATE
DRAWING NUMBER M100611.19-C25	REVISION AC

