WARNING

BEWARE OF UNDERGROUND & OVERHEAD SERVICES

The locations of underground & overhead services are approximate only & their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works

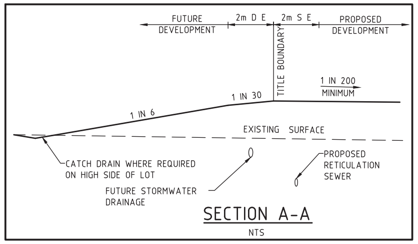
DIAL 1100 BEFORE YOU DIG

www.1100.com.au

AS CONSTRUCTED SIGNATURES

SIGN
CALIBRE CONSULTING (MELB) PTY LTD
LEVEL 2, 55 SOUTHBANK BOULEVARD
SOUTHBANK VIC 3006
DATE 13/11/17

SIGN Winslow
WINSLOW CONSTRUCTORS
50 Barry Road
CAMPBELLFIELD VIC 3061
DATE 13/11/17



FUTURE DEVELOPMENT
2m D E
2m S E
PROPOSED DEVELOPMENT
TITLE BOUNDARY
1 IN 200 MINIMUM
1 IN 30
1 IN 6
EXISTING SURFACE
CATCH DRAIN WHERE REQUIRED ON HIGH SIDE OF LOT
PROPOSED RETICULATION SEWER
FUTURE STORMWATER DRAINAGE

SECTION A-A

NTS

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. CONTRACTOR TO CONFIRM, WITH CALIBRE CONSULTING REPRESENTATIVE, PRIOR TO THE REMOVAL OF ANY TREES
9. PIT DIMENTIONS SHOWN ON PLANS, REFER TO THE CENTRE OF PIT BASE
10. SEWER MAINTENANCE HOLE CONVERTER SLAB OR CONE, TO BE ROTATED TO ENSURE COVER POSITION IS CENTRALLY LOCATED WITHIN FOOTPATH
11. CHAINAGES FOR SETOUT OF PROPERTY INLET POINTS, SERVICING FUTURE LOTS, ARE MEASURED FROM THE DOWNSTREAM PIT
12. CONTRACTOR TO LOCATE ALL EXISTING ASSETS PRIOR TO COMMENCEMENT OF WORKS. ANY DAMAGE TO EXISTING ASSETS TO BE RECTIFIED AT CONTRACTORS EXPENSE.

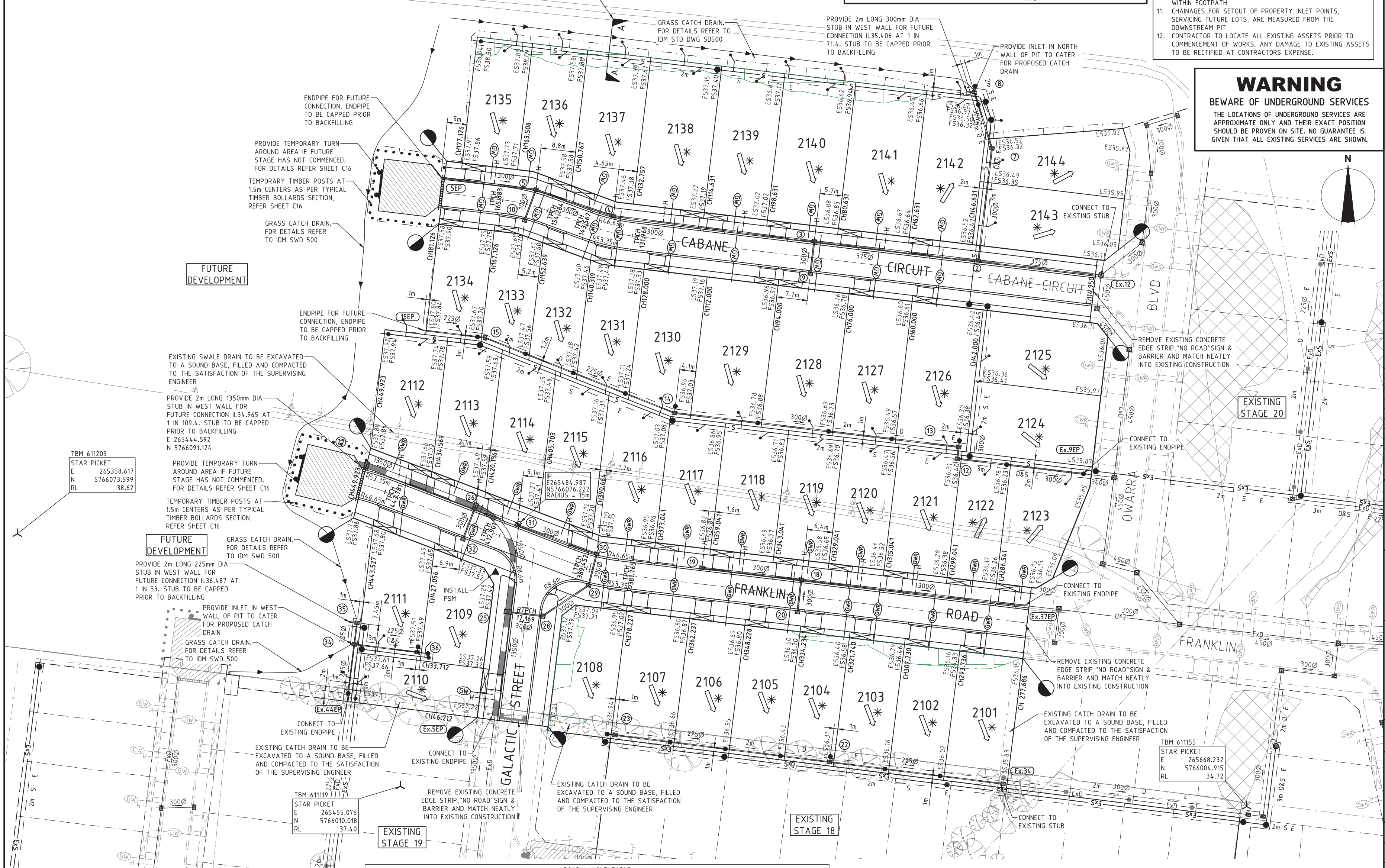
WARNING

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.

LEGEND

—E—	Electricity (Underground)
—G—	Gas
—O—	Optic
—RW—	Recycled Water
—T—	Telstra
—W—	Water
	Stormwater Drain, Pit and Property Inlet
	Swale Drain
—S—	Sewer, Maintenance Structures and Property Connection
---H	House Drain
(GW)	Gas & Water Conduits
	Tactile Paver - Directional
	Tactile Paver - Hazard
—Ex E—	Existing Electricity (Underground)
—O/H E—	Existing Electricity (Overhead)
—Ex G—	Existing Gas
—Ex T—	Existing Telstra
—Ex W—	Existing Water
—Ex D—	Existing Stormwater Drain
—Ex S—	Existing Sewer
—H	Existing House Drain
○	Existing Tree to Remain
☒	Existing Tree to be Removed
> —— >	Existing Swale Drain
ES141.34	Existing Surface Level
FS140.35	Finished Building Line Level
FR157.40	Finished Ridge Line Level
TW159.30	Top of Retaining Wall
BW159.30	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



N
FUTURE DEVELOPMENT
CABANE CIRCUIT
FRANKLIN ROAD
GALACTIC STREET
OWARRA BLVD
FRANKLIN
EXISTING STAGE 20
EXISTING STAGE 18
EXISTING STAGE 19
2101
2102
2103
2104
2105
2106
2107
2108
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2110
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2112
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5EP
15EP
Ex.12
Ex.9EP
Ex.37EP
Ex.34
Ex.5EP
Ex.44EP
CH14.950
CH42.000
CH46.631
CH60.000
CH62.631
CH76.000
CH80.631
CH94.000
CH98.631
CH112.000
CH114.631
CH128.000
CH132.757
CH140.319
CH150.767
CH152.639
CH163.508
CH167.126
CH177.126
CH181.126
CH277.686
CH286.541
CH293.736
CH299.041
CH307.730
CH315.041
CH321.740
CH329.041
CH334.234
CH343.041
CH348.228
CH359.041
CH362.237
CH373.041
CH378.227
CH390.664
CH405.703
CH420.136
CH427.056
CH434.569
CH443.527
CH449.923
CH33.712
CH46.212
TPCH 131.968
TPCH 143.567
TPCH 154.284
TPCH 165.883
TPCH 381.765
LTPCH 389.452
LTPCH 412.901
TPCH 443.781
RTPCH 17.169
IP E265484.987 N5766076.222 RADIUS = 15m
R46.65m
R53.35m
R8.6m
375Ø
300Ø
450Ø
225Ø
1350Ø

FOR SECTION A-A REFER THIS SHEET

GRASS CATCH DRAIN. FOR DETAILS REFER TO IDM STD DWG SD500

PROVIDE 2m LONG 300mm DIA STUB IN WEST WALL FOR FUTURE CONNECTION IL35.406 AT 1 IN 71.4. STUB TO BE CAPPED PRIOR TO BACKFILLING

PROVIDE INLET IN NORTH WALL OF PIT TO CATER FOR PROPOSED CATCH DRAIN

CONNECT TO EXISTING STUB

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

PROVIDE TEMPORARY TURN AROUND AREA IF FUTURE STAGE HAS NOT COMMENCED. FOR DETAILS REFER SHEET C16

TEMPORARY TIMBER POSTS AT 1.5m CENTERS AS PER TYPICAL TIMBER BOLLARDS SECTION, REFER SHEET C16

GRASS CATCH DRAIN. FOR DETAILS REFER TO IDM SWD 500

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

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

PROVIDE 2m LONG 1350mm DIA STUB IN WEST WALL FOR FUTURE CONNECTION IL34.965 AT 1 IN 109.4. STUB TO BE CAPPED PRIOR TO BACKFILLING
E 265444.592
N 5766091.124

TBM 611205	
STAR PICKET	
E	265358.617
N	5766073.599
RL	38.62

PROVIDE TEMPORARY TURN AROUND AREA IF FUTURE STAGE HAS NOT COMMENCED. FOR DETAILS REFER SHEET C16

TEMPORARY TIMBER POSTS AT 1.5m CENTERS AS PER TYPICAL TIMBER BOLLARDS SECTION, REFER SHEET C16

GRASS CATCH DRAIN. FOR DETAILS REFER TO IDM SWD 500

PROVIDE 2m LONG 225mm DIA STUB IN WEST WALL FOR FUTURE CONNECTION IL36.487 AT 1 IN 33. STUB TO BE CAPPED PRIOR TO BACKFILLING

PROVIDE INLET IN WEST WALL OF PIT TO CATER FOR PROPOSED CATCH DRAIN

GRASS CATCH DRAIN. FOR DETAILS REFER TO IDM SWD 500

INSTALL PSM

CONNECT TO EXISTING ENDPIPE

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

TBM 611119	
STAR PICKET	
E	265455.076
N	5766010.018
RL	37.40

CONNECT TO EXISTING ENDPIPE

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

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

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

CONNECT TO EXISTING ENDPIPE

CONNECT TO EXISTING ENDPIPE

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

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

TBM 611155	
STAR PICKET	
E	265668.232
N	5766004.915
RL	34.72

CONNECT TO EXISTING STUB

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
FRANKLIN ROAD	ACCESS	18.00	6.70	7.30	7.60	B2	B2	5.20	5.20
GALACTIC STREET	ACCESS	18.00	6.70	7.30	7.60	B2	B2	5.20	5.20
CABANE CIRCUIT	ACCESS	16.00	6.70	7.30	7.60	B2	B2	4.20	4.20

SERVICES OFFSET SCHEDULE

ROAD NAME	GAS		RECYCLED WATER		WATER		ELECTRICITY		COMMUNICATION		RW DUPLICATE MAIN	
	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)
FRANKLIN ROAD	NORTH	2.10	NORTH	2.60	NORTH	3.20	SOUTH	2.40	SOUTH	1.775	SOUTH	3.6
GALACTIC STREET	WEST	2.10	WEST	2.60	WEST	3.10	EAST	2.60	EAST	1.775	-	-
CABANE CIRCUIT	NORTH	2.10	NORTH	2.60	NORTH	3.10	SOUTH	2.60	SOUTH	1.775	-	-

CONSULT AUSTRALIA
A.C.N. 109 448 982

	DATE	COMMENTS
3	30/05/17	LOT 2138 DRIVEWAY RELOCATION
2	22/05/17	LOT 2112 DRIVEWAY RELOCATION
1	20/03/17	LOT 2115 DRIVEWAY RELOCATED TO EAST
0	14/12/16	CONSTRUCTION ISSUE
C	12/12/16	COUNCIL COMMENTS DATED (08/12/16)
B	16/11/16	SOS AMENDED
A	18/10/16	ISSUED FOR APPROVAL

CLIENT

villawood properties
COMMUNITIES DESIGNED FOR LIVING

PROJECT

ARMSTRONG
MT DUNEED

STAGE 21

calibre CONSULTING

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

TITLE

LAYOUT PLAN

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

SCALE @ A1	DRAWN	DESIGNED
1:500	J.AMBROSE	J.AMBROSE
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
R.KOZUL	T.PALIOS	OCTOBER 2016

CONSTRUCTION

SIGNED
DATE

DRAWING NUMBER M100611.21-C02

REVISION 3

H:\M10\M100611.21\CIVIL\ACAD\M100611.21-C02.DWG