#### HUME CITY COUNCIL GENERAL NOTES

- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH V.P.A. AND HUME CITY COUNCIL STANDARD DRAWINGS,
- COUNCIL TO BE NOTIFIED SEVEN (7) CLEAR WORKING DAYS PRIOR TO THE COMMENCEMENT OF WORKS WITH A PRE-COMMENCEMENT MEETING BEING HELD BETWEEN HUME CITY COUNCIL. THE CONSULTANT AND THE CONTRACTOR BEFORE WORKS COMMENCE. A SITE MANAGEMENT PLAN IS TO BE SUBMITTED PRIOR TO COMMENCEMENT OF WORKS AND PRIOR TO AN ONSITE PRE-COMMENCEMENT MEETING.
- PRIOR TO COMMENCEMENT OF THE WORKS, THE CONTRACTOR SHALL PROVIDE THE FOLLOWING INFORMATION:
- a. SOURCE OF QUARRY MATERIAL.
- b. N.A.T.A. APPROVED TESTS RESULTS FOR THE F.C.R. THAT IS TO BE USED. c. IF THE SOURCE OF THE QUARRY MATERIAL IS CHANGED DURING THE COURSE OF THE WORKS, THEN NEW TEST
- 4. PRIOR TO COMMENCEMENT OF WORKS ON SITE, THE CONTRACTOR MUST ENSURE THAT ALL MATTERS RELATING TO THE OCCUPATIONAL HEALTH AND SAFETY ACT 2004 AND O.H.S. REGULATIONS 2007 HAVE BEEN AND WILL BE COMPLIED
- 5. ON COMMENCEMENT OF CONSTRUCTION WORKS, THE CONTRACTOR MUST COMPLY WITH THE RECOMMENDATIONS OF THE ENVIRONMENT PROTECTION AUTHORITY PUBLICATION "CONSTRUCTION TECHNIQUES FOR SEDIMENT POLLUTION CONTROL." APPROPRIATE SILTATION CONTROL IS TO BE MAINTAINED THROUGHOUT THE CONSTRUCTION AND
- MAINTENANCE PERIOD OF THE WORKS. 6. THE DISPOSAL SITE FOR SPOIL REMOVAL FROM SITE AND TRUCK ROUTE IS TO BE SUBMITTED TO AND APPROVED BY THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE IN WRITING PRIOR TO THE COMMENCEMENT OF ANY
- WHERE WORKS ARE IN THE VICINITY OF EXISTING SERVICES, THESE SERVICES ARE TO BE LOCATED AND EXPOSED/PROVED PRIOR TO COMMENCEMENT OF WORKS, AND THE RELEVANT AUTHORITIES NOTIFIED SEVEN (7) CLEAR
- DAYS PRIOR TO THE COMMENCEMENT OF THE WORKS.
- 8. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE
- 9. ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (A.H.D.). 10. ALL CO-ORDINATES ARE TO MAP GRID OF AUSTRALIA (M.G.A.).
- 11. THE CONTRACTOR MUST ARRANGE THE REQUISITE INSPECTIONS OF THE WORKS WITH THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE AS PER THE HOLD POINTS IN THE V.P.A. MANUAL AND HUME CITY COUNCIL
- 12. FILL AREAS TO BE STRIPPED OF TOPSOIL, FILLED AND TOPSOIL REPLACED TO OBTAIN FINAL FILL LEVELS AS SHOWN ON PLAN. FILLING IS TO BE CLEAN CLAY COMPACTED TO A DENSITY NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY VALUE DETERMINED BY THE STANDARD COMPACTION TEST IN ACCORDANCE WITH A.S.1289.5.1.1-2003.
- FILLING TO COMPLY WITH A.S.3798-2007, LEVEL 1 UNLESS SPECIFIED OTHERWISE.
- 14. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL IMPORTED FILL MATERIAL, INCLUDING TOPSOIL, SATISFIES THE DESCRIPTION FOR CLEAN FILL MATERIAL IN EPA BULLETIN PUBLICATION NO 448 (SEPT '95) AND SUBSEQUENT REVISIONS. THE CONTRACTOR SHALL IF REQUIRED PROVIDE VERIFICATION INCLUDING TEST CERTIFICATES TO THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE.
- 15. WHERE, AS A CONDITION OF THE PLANNING PERMIT OR AS A RESULT OF THE PRE-CONSTRUCTION MEETING, FENCING OF AREAS CONTAINING TREES, NATIVE GRASSES AND SHRUBS IS REQUIRED, A THREE STRAND STAR PICKET AND WIRE FENCE SHALL BE CONSTRUCTED.
- 16. NO TREE OR NATIVE VEGETATION IS TO BE DISTURBED OR REMOVED WITHOUT PRIOR APPROVAL FROM COUNCILS SUSTAINABLE ENVIRONMENT DEPARTMENT. ANY TREES REMOVED, VEGETATION OR OTHER MATERIALS ARE NOT TO BE
- 17. BEFORE COMMENCING WORK ON TRENCHES IN EXCESS OF 1.5m DEEP, NOTICE OF SUCH PROPOSAL IS TO BE FORWARDED
- BY THE CONTRACTOR TO WORKSAFE VICTORIA. 18. THE CONTRACTOR IS TO OBTAIN A BUILDING PERMIT FOR ANY STRUCTURES / FENCES AND FOR ANY RETAINING WALLS
- 19. ANY INFRASTRUCTURE DAMAGE DURING THE DEFECTS LIABILITY PERIOD IS THE RESPONSIBILITY OF THE DEVELOPER OR
- 20. PRIOR TO STATEMENT OF COMPLIANCE ALL DISTURBED AREAS (INCLUDING NATURE STRIPS, BATTERS, ALLOTMENTS WITH GRADES OF 1:5 AND GREATER, AND RESERVES) ARE TO BE REINSTATED TO A CLEAN, TIDY CONDITION, TOP DRESSED (100MM LOAMY TOP SOIL FREE OF RUBBISH, DEBRIS, CLUMPS, SODS AND CLAY LUMPS), LIGHTLY COMPACTED AND HYDRO MULCHED.
- HYDROMULCH AND SEED MIX TO BE:
- 40KG/HA KIKUYU
- 200KG/HA TURF TYPE PERENNIAL RYE
- 100KG/HA CREEPING RED FESCUE 1,500KG/HA OF CELLULOSE FIBRE
- SOIL BINDER, SPECIFICALLY MANUFACTURED FOR HYDROMULCHING, USED AT MANUFACTURERS RECOMMENDED RATES. (E.G. ORGANIC GAUR TACKIFIERS @ 20 – 30 KG/HA, BASED ON, SITE CONDITIONS).
- GRASS IS TO BE ESTABLISHED PRIOR TO THE END OF THE MAINTENANCE PERIOD, UNLESS OTHERWISE AGREED IN
- 21. FOOTPATHS ARE TO BE 50mm OFFSET FROM TITLE BOUNDARIES UNLESS NOTED OTHERWISE. VEHICLE CROSSING ALIGNMENTS ARE GENERALLY TO BE PARALLEL TO THE SIDE BOUNDARY.
- 22. ALL NEW CONCRETE WORKS SHALL BE JOINED INTO ABUTTING EXISTING CONCRETE WITH 450mm LONG Y20 DOWEL BARS
- @ 600 CENTRES, UNLESS OTHERWISE SPECIFIED. 23. ANY EXPOSED AGGREGATE CONCRETE WORKS TO BE ACHIEVED BY SAND-BLASTING ONLY. WASHING AGGREGATE OFF
- WITH WATER IS NOT PERMITTED. 24. ALL SERVICE CONDUITS TRENCHES UNDER ROAD PAVEMENTS ARE TO BE BACKFILLED WITH 20mm 3% CEMENT TREATED CLASS 3 CRUSHED ROCK COMPACTED TO A DENSITY NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY VALUE
- DETERMINED BY THE MODIFIED COMPACTION TEST IN ACCORDANCE WITH A.S.1289.5.2.1-2003. ALL SERVICE CONDUITS TRENCHES UNDER FOOTPATH, VEHICULAR CROSSINGS, PARKING BAYS AND WITHIN 750MM OF PARKING BAYS TO BE BACKFILLED WITH CLASS 3 CRUSHED ROCK.
- 25. ALL STORMWATER DRAINS ARE TO BE CLASS 2 R.C. OR RIGID F.R.C PIPES WITH ADCOL FLEXIBLE COLLARS UNLESS NOTED OTHERWISE. ALL PIPES UP TO AND INCLUDING 750mm DIAMETER ARE TO BE RUBBER RING JOINTED. INTERLOCKING / FLUSH JOINTS WITH EXTERNAL BANDS CAN ONLY BE USED ON PIPE SIZES OVER 750mm DIAMETER.
- 26. WHERE NEW ASPHALT, CONCRETE KERB & CHANNEL, PATHS AND DRIVEWAYS MATCH INTO EXISTING. THE EXISTING SURFACE IS TO BE SAW CUT AND MATCHED NEATLY.
- 27. ALL REDUNDANT ASSETS ARE TO BE REMOVED AND DISPOSED OFF SITE.
- 28. ALL TREES AND SHRUBS ARE TO BE RETAINED UNLESS OTHERWISE SHOWN OR DIRECTED BY THE CHIEF EXECUTIVE
- OFFICER AND/OR THEIR REPRESENTATIVE.
- 29. AT THE COMPLETION OF ALL WORKS, ALL RUBBISH, DEBRIS AND SURPLUS SPOIL SHALL BE REMOVED AND THE SITE
- SHALL BE CLEARED TO THE SATISFACTION OF THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE. 30. ALL DRAINS BEHIND KERB AND CHANNEL SHALL BE BACKFILLED TO MATCH PAVEMENT SUBGRADE LEVEL WITH 20mm CLASS 3 F.C.R. COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY VALUE DETERMINED BY THE MODIFIED COMPACTION TEST IN ACCORDANCE WITH A.S. 1289.5.2.1-2003. ALL DRAINS. SEWERS. GAS & WATER MAINS LAID THROUGH THE ROAD PAVEMENT (EXCEPT CONDUITS) ARE TO BE BACKFILLED WITH 20mm CLASS 2 FCR COMPACTED TO 98% OF THE MAXIMUM
- 31. PAVEMENT DEPTH SPECIFIED IS A MINIMUM DEPTH AND MAY BE VARIED BY THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE. SOFT SPOTS SHALL BE EXCAVATED TO A PROOF ROLLED BASE AND BACKFILLED WITH APPROVED MATERIAL COMPACTED IN 150mm LAYERS TO ACHIEVE TO A DENSITY NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY VALUE DETERMINED BY THE STANDARD COMPACTION TEST IN ACCORDANCE WITH A.S.1289.5.1.1-2003.

DRY DENSITY VALUE DETERMINED BY THE MODIFIED COMPACTION TEST IN ACCORDANCE WITH A.S.1289.5.2.1–2003.

- 32. ALL EXISTING ASSETS AFFECTED BY THE WORKS; E.G. SIGNS, VEHICLE CROSSINGS, FOOTPATHS, KERB AND LINEMARKING SHALL BE REINSTATED BY THE CONTRACTOR PRIOR TO THE COMPLETION OF THE WORKS TO THE SATISFACTION OF THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE.
- 33. PRIOR TO THE COMPLETION OF THE WORKS ALL FIRE HYDRANTS ARE TO BE MARKED IN ACCORDANCE WITH "IDENTIFICATION OF STREET HYDRANTS FOR FIREFIGHTING PURPOSES" PUBLICATION (DEVELOPED BY C.F.A, M.F.B. &
- ACCORDANCE WITH COUNCIL STANDARD DRAWING SD202.
- CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE.
- 36. ALL TRAFFIC CONTROL MEASURES, SIGNS AND LINEMARKING SHALL BE IN ACCORDANCE WITH A.S.1742 1, 2 & 3. STREET NAME SIGNS ARE TO BE IN ACCORDANCE WITH COUNCIL STANDARD DRAWING SD408.
- 37. ALL LINEMARKING PAINT SHALL BE LONG LIFE TYPE IN ACCORDANCE WITH SECTION 95C OF THE HUME CITY COUNCIL SPECIFICATIONS. LATERAL WORKS AND ARROWS BEING COLD APPLIED PLASTIC TROWELLED INTO PLACE (MATERIAL DEGADUR PLASTELINE) AND LONGITUDINAL LINES BEING EXTRUDED THERMOPLASTIC MATERIAL
- 38. ALL SIGNS TO BE CLASS 1 HIGH INTENSITY TYPE AND TO COMPLY WITH THE REQUIREMENTS OF A.S.1743 -2001.

# REDSTONE ESTATE STAGE 16 VILLAWOOD PROPERTIES

- 39. HOUSE DRAIN CONNECTIONS TO 150mm DIAMETER PIPES TO BE VIA A MANUFACTURED JUNCTION PIECE. 150mm DIAMETER STORMWATER PIPES ARE TO BE HEAVY DUTY SEWER GRADE. PVC PIPES SHALL BE BACKFILLED WITH 10mm MINUS F.C.R. TO 150mm ABOVE TOP OF PIPE IN ALL LOCATIONS.
- 40. 100mm HOUSE DRAIN CONNECTIONS TO BE LAID AT AN OFFSET OF 5.5m FROM THE LOW SIDE TITLE BOUNDARY AND PROPERTY INLETS 1.0m FROM THE LOW SIDE OF TITLE BOUNDARY REAR EASEMENTS UNLESS OTHERWISE SHOWN.
- 41. BLASTING GENERALLY IS NOT ENCOURAGED, HOWEVER BLASTING MAY BE REQUIRED AS A LAST RESORT DEPENDING ON GROUND CONDITIONS. COUNCIL IS TO BE NOTIFIED IN WRITING IF ANY BLASTING IS NECESSARY. RESIDENTS LIKELY TO BE AFFECTED BY THE BLASTING AND ALL SERVICE AUTHORITIES SHALL BE NOTIFIED IN WRITING PRIOR TO WORKS COMMENCING. COPIES OF THESE NOTIFICATIONS ARE TO BE SUBMITTED TO COUNCIL.
- RESIDENT NOTIFICATION LETTER IS TO INCLUDE BLASTING GUIDELINES, FIRING AND MISFIRE PROCEDURES AND CONTRACTOR AND CONSULTANT CONTACT NAMES AND PHONE NUMBERS.
- ALL BLASTING IS TO BE WITHIN THE LIMITS FOR AIR AND GROUND VIBRATION LEVELS AS SET DOWN IN A.S.2187.2-1993. ALL BLASTS SHALL BE MONITORED FOR AIR AND NOISE VIBRATION AT POTENTIALLY AFFECTED RESIDENCES. "FORM A" FROM A.S. 2187.2-1993, AND WAVE TRACE COPIES ARE TO BE SUBMITTED TO COUNCIL FOR EACH BLAST. BLASTING IS TO BE RESTRICTED TO BETWEEN 9:00am AND 3:30pm.
- BLASTING IS NOT TO OCCUR ON WEEKENDS OR PUBLIC HOLIDAYS. BLASTING AREA SIGNS ARE TO BE PLACED AT ALL ENTRANCES TO THE SITE.
- 42. FENCING TO BE PROVIDED ALONG LOT BOUNDARIES ABUTTING RESERVES TO THE SATISFACTION OF THE RESPONSIBLE **AUTHORITY**
- 43. WHERE SODIC SOILS ARE ENCOUNTERED, SODIC SOIL INVESTIGATIONS SHOULD BE CARRIED OUT BY A QUALIFIED SOIL SCIENTIST AND THE RECOMMENDATIONS OF THE REPORT SHOULD BE APPLIED DURING ROAD & DRAINAGE DESIGN AND

- 44. ALL EXISTING SURFACE LEVELS SHOWN ON THE ENGINEERING DRAWINGS HAVE BEEN INTERPOLATED FROM A DIGITAL TERRAIN MODEL. THESE LEVELS HAVE BEEN USED AS THE BASIS FOR ALL ENGINEERING DESIGN AND DETERMINATION OF QUANTITIES AND ARE ACCURATE TO WITHIN ±0.05m.
- 45. ANY EXISTING SERVICES SHOWN ON THESE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS
- 46. WHERE REQUIRED ANY BUILDINGS, TROUGHS, FENCES AND OTHER STRUCTURES ON SITE ARE TO BE REMOVED AS DIRECTED BY THE ENGINEER. THE COST OF REMOVAL IS TO BE INCLUDED IN THE OVERALL EARTHWORKS FIGURE UNLESS A SPECIFIC ITEM FOR REMOVAL IS DENOTED IN THE SCHEDULE.
- 47. ALL FILLING ON LOTS AND WITHIN ROAD RESERVES GREATER THAN 200mm IS TO BE UNDERTAKEN USING LEVEL 1 SUPERVISION AND BE COMPLETED IN ACCORDANCE WITH A.S.3798-2007. FILLING MATERIAL IS TO BE IN ACCORDANCE WITH THE SPECIFICATION, A.S.3798-2007 & TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT.
- 48. ALL BATTERS SHALL BE 1 IN 5, UNLESS OTHERWISE SHOWN. 49. NO FILL OR STOCKPILING OF MATERIAL IS TO BE PLACED ON ANY RESERVE FOR PUBLIC OPEN SPACE UNLESS OTHERWISE DIRECTED OR APPROVED BY THE SUPERINTENDENT.
- 50. T.B.M.'S TO BE RE-ESTABLISHED BY THE LICENSED SURVEYOR IF FOUND TO BE MISSING AT THE COMMENCEMENT OF
- CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR CARE AND MAINTENANCE OF T.B.M.'S THEREAFTER. 51. AT LEAST THREE (3) DAYS PRIOR TO COMMENCING WORK ON EXCAVATIONS IN EXCESS OF 1.50m DEEP, A NOTIFICATION FORM MUST BE SENT TO WORKSAFE. THE CONTRACTOR IS TO COMPLY WITH WORKSAFE, THE MINES (TRENCHES)
- REGULATION 1982, THE MINES ACT 1958 AND OCCUPATIONAL HEALTH AND SAFETY ACT 1985, 2004. 52. WHERE REQUIRED, ALL EXISTING DAMS, DEPRESSIONS AND DRAINS ARE TO BE BREACHED, DRAINED, DE-SLUDGED AND SHALL BE EXCAVATED TO A CLEAN FIRM BASE. THE SURFACE SHALL BE INSPECTED, APPROVED AND LEVELLED BY THE ENGINEER PRIOR TO COMMENCEMENT OF FILLING. THE FILL SHALL BE APPROVED SELECTED ON SITE MATERIAL OR APPROVED IMPORTED MATERIAL. THE FILL SHALL BE PLACED UNDER CONTROLLED MOISTURE CONDITIONS IN
- 53. GAS AND WATER CONDUITS SIZES ARE AS FOLLOWS:
- Ø50mm CLASS 12 P.V.C. SINGLE SERVICE

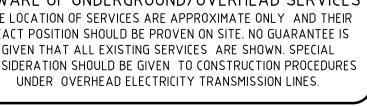
BE CONSTRUCTED AS PER HUME DRAWING SD309

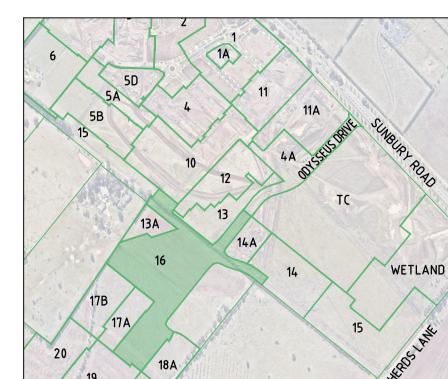
ACCORDANCE WITH THE SPECIFICATION.

- Ø100mm CLASS 12 P.V.C. DUAL SERVICE (DRINKING AND NON DRINKING WATER) WITH THE FOLLOWING MINIMUM COVER TO FINISHED SURFACE LEVELS: ROAD PAVEMENT - 0.80m
- VERGE & FOOTPATHS 0.45m
- 54. A.G. / SUBSOIL DRAIN TO BE LAID BEHIND KERB & CHANNEL, KERB ONLY AND EDGE STRIPS WHERE REQUIRED IN ACCORDANCE WITH EDCM STANDARD DRAWING EDCM 202 AND CONNECTED TO UNDERGROUND DRAINAGE.
- 55. CENTRE LINES OF ALL EASEMENT DRAINS ARE OFFSET 1.0m OR 2.2m (WHERE OUTSIDE OF SEWER) FROM THE PROPERTY
- 56. WHERE CURVED PIPE ALIGNMENTS ARE SHOWN ON THE FACE PLANS THEY ARE TO BE LAID PARALLEL TO THE BACK OF KERB, EXCEPT WHERE A RADIUS HAS BEEN SPECIFICALLY NOMINATED. CURVED PIPES ARE TO BE APPROVED BY COUNCIL AND IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS.
- 57. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH AS2124-1992 GENERAL CONDITIONS OF CONTRACT.
- 58. TELSTRA IS TO BE NOTIFIED 7 DAYS PRIOR TO PLACEMENT OF CONCRETE WORKS.
- 59. PAVEMENT DEPTHS MAY BE MODIFIED AS DIRECTED BY THE SUPERINTENDENT, PAVEMENT TO BE BOXED OUT TO MINIMUM DEPTH DENOTED, INSPECTED AND IF SUBGRADE IS IN QUESTION, FURTHER TESTING CARRIED OUT TO DETERMINE
- 60. WHERE PAVEMENT IS CONSTRUCTED ON FILLING, FILL MATERIAL IS TO BE APPROVED BY THE SUPERINTENDENT AND COUNCIL. FILLING TO BE CONSTRUCTED IN LAYERS 150mm THICK WITH COMPACTION ACHIEVING 95% AUSTRALIAN STANDARD DENSITY.
- 61. WHEN PAVEMENT EXCAVATION IS IN ROCK, ALL LOOSE MATERIAL (INCLUDING ROCKS AND CLAY) MUST BE REMOVED. THE SUB-GRADE MUST THEN BE REGULATED WITH COUNCIL APPROVED MATERIAL.
- 62. ALL TEMPORARY WARNING SIGNS USED DURING CONSTRUCTION SHALL BE SUPPLIED AND MAINTAINED IN ACCORDANCE
- 63. THE CONTRACTOR IS REQUIRED TO OBTAIN A 'PERMIT TO WORK' FROM MELBOURNE WATER'S SURVEILLANCE OFFICER AT THE PRE-COMMENCEMENT MEETING. THE CONTRACTOR IS REQUIRED TO ENSURE THAT THE 'PERMIT TO WORK' IS KEPT
- UP TO DATE FOR THE DURATION OF THE CONTRACT.
- 64. CONTRACTOR TO ENSURE SEWER MANHOLES ARE WHOLLY LOCATED IN PROPOSED FOOTPATHS. 65. COMMS PITS IN FOOTPATHS TO BE CONSTRUCTED AS PER DRAWING EDCM402 AND ELECTRICAL PITS IN FOOTPATHS TO

#### WARNING

BEWARE OF UNDERGROUND/OVERHEAD SERVICES THE LOCATION OF SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. SPECIAL CONSIDERATION SHOULD BE GIVEN TO CONSTRUCTION PROCEDURES







<u>LEGEND</u>		
DESCRIPTION	EXISTING	PROPOSED
WATER MAIN, VALVE AND HYDRANT	DW	DW
UNDERGROUND ELECTRICITY	— — E— — —	——Е—
OPTIC FIBRE	— — OF — — —	OF
SEWER & MAINTENANCE STRUCTURE	— — S — — O —	
CENTRAL INVERT	>>-	<del></del>
COUNCIL STORMWATER DRAIN AND PIT		
COUNCIL 50YR STORMWATER DRAIN AND PIT		
STORM WATER DRAINAGE PROPERTY INLETS		
COUNCIL STORM WATER PITS		
HOUSE DRAIN	•H	•H
AG DRAIN AND FLUSHER	> AG	——> AG —— <b>●</b> —
STORM WATER DRAINAGE PIT NUMBER	EX.47	
WATER CONDUITS	W ———	w ———
CONCRETE VEHICLE CROSSING		
CONCRETE VEHICLE CROSSING (INDUSTRIAL)		
CONCRETE VEHICLE CROSSING (NON-STANDARD)		
SURFACE CONTOUR MINOR	— - 169.00 - — —	169.00 —
SURFACE CONTOUR MAJOR	— - 168.90 - — —	168.90 ———
SURFACE LEVEL	E123.45	F124.68
BATTER LEVEL (TOP / TOE)	T124.80	T124.80
RETAINING WALL LEVEL (TOP/BOTTOM)	T W 112.76	TW128.50 BW126.74
EARTHWORKS GRADE		1 in 150
SIGN AND POST		
STREET SIGN	° <b>&gt;</b>	•
PERMANENT SURVEY MARK		<b>*</b>
TEMPORARY BENCH MARK		
ROAD CHAINAGES	CH1 <u>16</u> .57 (L/ <u>R</u> )TP CH116.57	CH1 <u>16</u> .57 (L/ <u>R</u> )TP CH116.57
LOT CHAINAGES	CH20.06	CH20.06
SETOUT POINT		(A2)
LIMIT OF WORKS		lacktriangle
BATTER		
EXCAVATION GREATER THAN 0.20m		
FILLING GREATER THAN 0.20m		
RETAINING WALL CONCRETE		
RETAINING WALL STONE		
RETAINING WALL ROCK WITH FENCE		
FENCE – VEHICLE EXCLUSION		
FENCES		
FENCE TEMPORARY		
VEGETATION LINE	·····	
FOOTPATH		
TACTILE GROUND SURFACE INDICATOR		

#### DRAWING SCHEDULE

CR100	DESCRIPTION  FACE SHEET	SHEET No.	REVISIO 1
CR200	FACE PLAN - SHEET 1	2	<u>'</u>
			1
CR201	FACE PLAN - SHEET 2	3	0
CR202	FACE PLAN – SHEET 3	4	0
CR203	SERVICES PLAN - SHEET 1	5	1
CR204	SERVICES PLAN - SHEET 2	6	0
CR205	SERVICES PLAN - SHEET 3	7	0
CR206	EXISTING SITE PLAN - SHEET 1	8	0
CR207	EXISTING SITE PLAN - SHEET 2	9	0
CR208	EXISTING SITE PLAN - SHEET 3	10	0
CR300	ROAD LONG SECTIONS – SHEET 1	11	0
CR301	ROAD LONG SECTIONS - SHEET 2	12	0
CR302	ROAD LONG SECTIONS - SHEET 3	13	0
	ROAD LONG SECTIONS - SHEET 4		-
CR303		14	0
CR304	ROAD LONG SECTIONS - SHEET 5	15	0
CR305	ROAD LONG SECTIONS - SHEET 6	16	0
CR306	ROAD LONG SECTIONS - SHEET 7	17	0
CR400	TYPICAL ROAD CROSS SECTIONS – SHEET 1	18	0
CR401	TYPICAL ROAD CROSS SECTIONS - SHEET 2	19	0
CR402	TYPICAL ROAD CROSS SECTIONS - SHEET 3	20	0
CR403	TYPICAL ROAD CROSS SECTIONS - SHEET 4	21	0
CR404	ROAD CROSS SECTIONS - SHEET 5	22	0
CR405	ROAD CROSS SECTIONS - SHEET 6	23	0
CR406	ROAD CROSS SECTIONS - SHEET 7	24 (	1
CR407	ROAD CROSS SECTIONS - SHEET 8	25	0
CR408	ROAD CROSS SECTIONS - SHEET 9	26	0
CR409	ROAD CROSS SECTIONS - SHEET 10	27	0
CR410	ROAD CROSS SECTIONS - SHEET 11	28	0
CR411	ROAD CROSS SECTIONS - SHEET 12	29	0
CR412	ROAD CROSS SECTIONS - SHEET 13	30	0
CR413	ROAD CROSS SECTIONS - SHEET 14	31	0
CR414	ROAD CROSS SECTIONS - SHEET 15	32	0
CR500	INTERSECTION DETAILS - SHEET 1	33	0
CR501	INTERSECTION DETAILS - SHEET 2	34	0
CR502	INTERSECTION DETAILS - SHEET 3	35	0
CR503	INTERSECTION DETAILS - SHEET 4	36	0
		37	0
CR504	INTERSECTION DETAILS - SHEET 5		
CR505	INTERSECTION DETAILS - SHEET 6	38	0
CR506	INTERSECTION DETAILS - SHEET 7	39	0
CR507	INTERSECTION DETAILS - SHEET 8	40	0
CR508	INTERSECTION DETAILS - SHEET 9	41	0
CR509	INTERSECTION DETAILS - SHEET 10	42	0
CR600	DRAINAGE LONG SECTIONS - SHEET 1	43	0
CR601	DRAINAGE LONG SECTIONS – SHEET 2	44	0
CR602	DRAINAGE LONG SECTIONS – SHEET 3	45	0
CR603	DRAINAGE LONG SECTIONS - SHEET 4	46	0
CR604	DRAINAGE LONG SECTIONS – SHEET 5	47	0
CR605	DRAINAGE LONG SECTIONS - SHEET 6	48	0
CR606	DRAINAGE LONG SECTIONS - SHEET 7	49	0
			-
CR607	DRAINAGE LONG SECTIONS - SHEET 8	50	0
CR608	DRAINAGE LONG SECTIONS - SHEET 9	51	0
CR609	DRAINAGE LONG SECTIONS - SHEET 10	52	0
CR610	DRAINAGE LONG SECTIONS - SHEET 11	53	0
CR611	DRAINAGE PIT SCHEDULE – SHEET 12	54	0
CR612	PIT SETOUT CO-ORDINATES TABLE & DETAILS - SHEET 13	55	0
CR613	SWALE DETAILS - SHEET 14	56	0
CR700	PAVEMENT AND TYPICAL DETAILS - SHEET 1	57	1
CR701	PAVEMENT AND TYPICAL DETAILS - SHEET 2	58	
CR702	PAVEMENT AND TYPICAL DETAILS – SHEET 3	59	0
CR703	PAVEMENT AND TYPICAL DETAILS - SHEET 4	60	0
CR704	PAVEMENT AND TYPICAL DETAILS - SHEET 5	61	0
CR800	SIGNAGE AND LINEMARKING - SHEET 1	62	1
CR801	SIGNAGE AND LINEMARKING - SHEET 2	63	0
CR802	SIGNAGE AND LINEMARKING - SHEET 3	64	0
CR900	RETAINING WALL - SHEET 1	65	1
CR901	RETAINING WALL - SHEET 2	66	0
CR902	RETAINING WALL - SHEET 3	67	0
CR903	RETAINING WALL - SHEET 4	68	1
CR904	RETAINING WALL - SHEET 5	69	
CR905	RETAINING WALL - SHEET 6	70	0
CR906	RETAINING WALL - SHEET 7	71	0
(KAIID	NEIGHNO WALL - SHLLI /	1.1	ı

#### E.S.B). MARKINGS TO BE VIA BLUE PAVEMENT MARKER AND A (RED TOPPED) WHITE POST. 34. AGRICULTURAL DRAINS ARE TO BE PLACED BEHIND ALL KERB AND CHANNEL, KERB ONLY AND EDGE STRIPS IN 35. ALL TABLE DRAINS AND VERGES ARE TO BE REINSTATED UPON COMPLETION OF WORKS TO THE SATISFACTION OF THE

www.1100.com.au



KERB TRANSITION





Checked H.HOGGARD J.POYNER J.POYNER **APRIL 2024** 

Redstone.

Your world awaits

B2 SM2

**REDSTONE ESTATE** STAGE 16 **ROAD AND DRAINAGE FACE SHEET HUME CITY COUNCIL** VILLAWOOD PROPERTIES

CONSTRUCTION 310066CR100

DRIVEWAY & RETAINING WALL AMENDMENTS FOR LOTS 1621/1622 & 1631/1632 M.R 14/03/25 M.R 28/10/24 ISSUED FOR CONSTRUCTION M.R AMENDED AS PER COUNCIL COMMENTS 20/09/24 AMENDED AS PER COUNCIL COMMENTS M.T-S 17/07/24 AMENDED AS PER COUNCIL COMMENTS M.T-S 26/04/24 M.T-S AMENDED AS PER COUNCIL COMMENTS 23/12/23 ISSUED TO COUNCIL M.T-S 22/12/22 Approved



© Spiire Australia Pty Ltd All Rights Reserved

This document is produced by Spiire Australia Pty Ltd solely for the

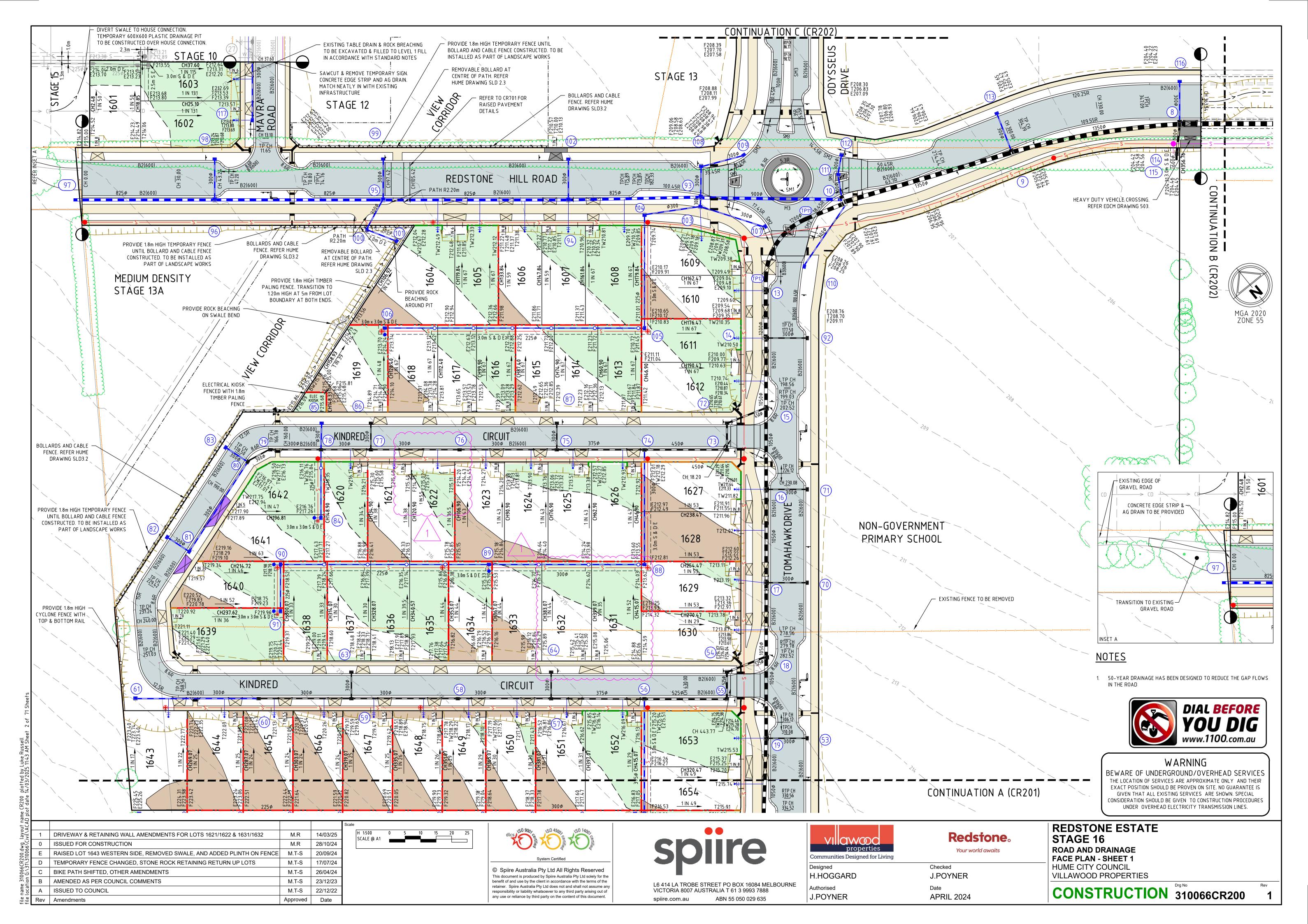
benefit of and use by the client in accordance with the terms of the

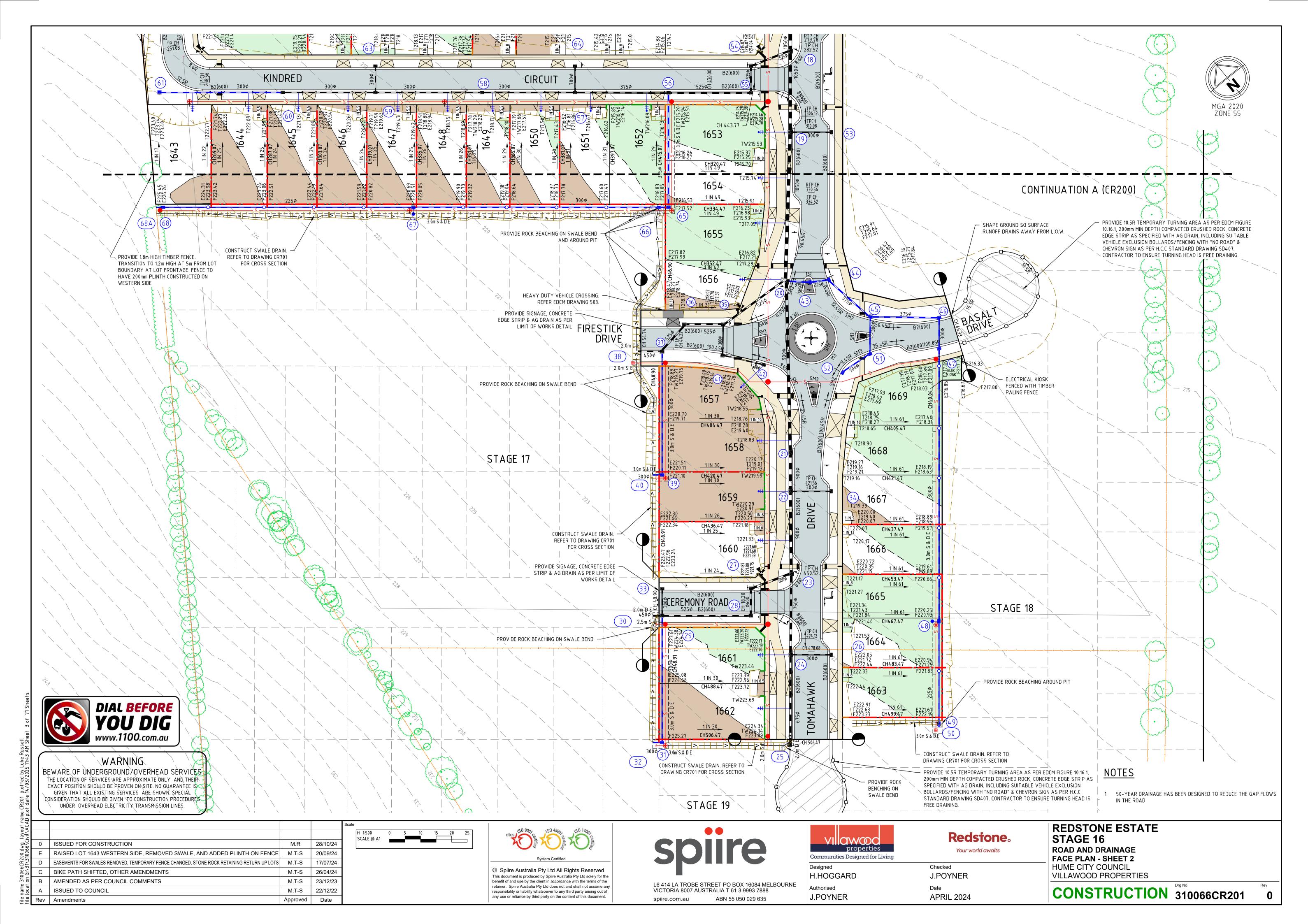
retainer. Spiire Australia Pty Ltd does not and shall not assume any

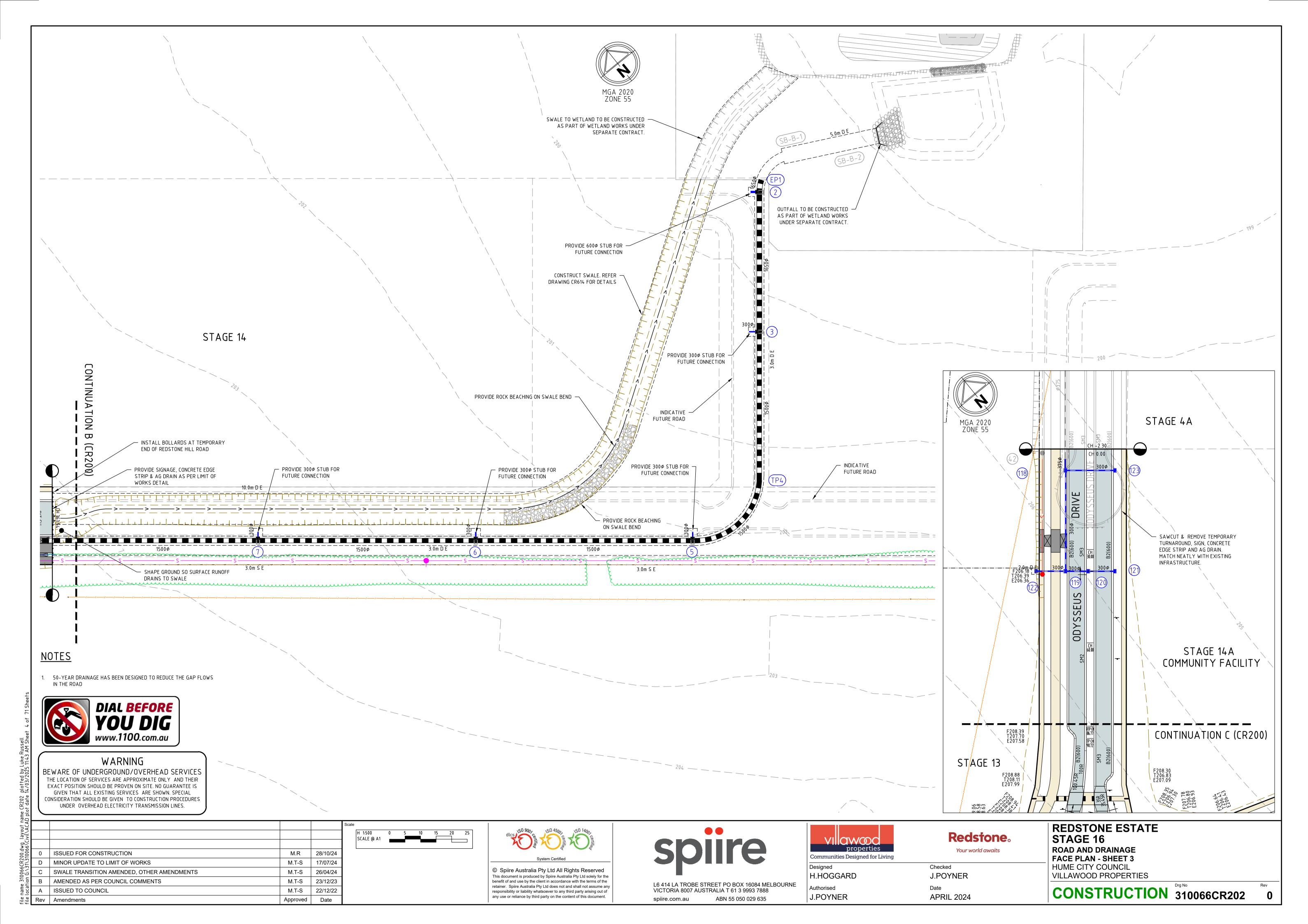
responsibility or liability whatsoever to any third party arising out of

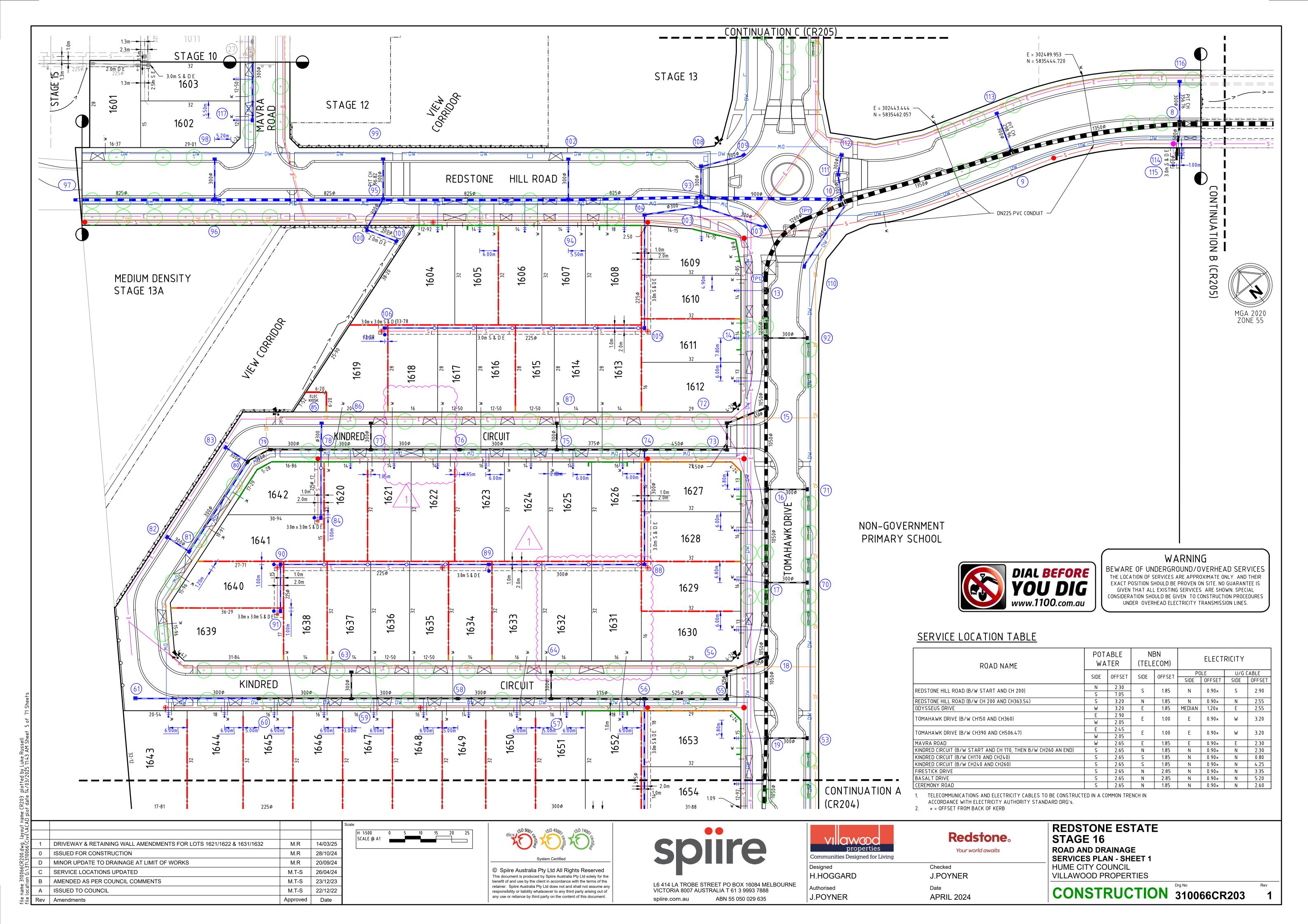
any use or reliance by third party on the content of this document.

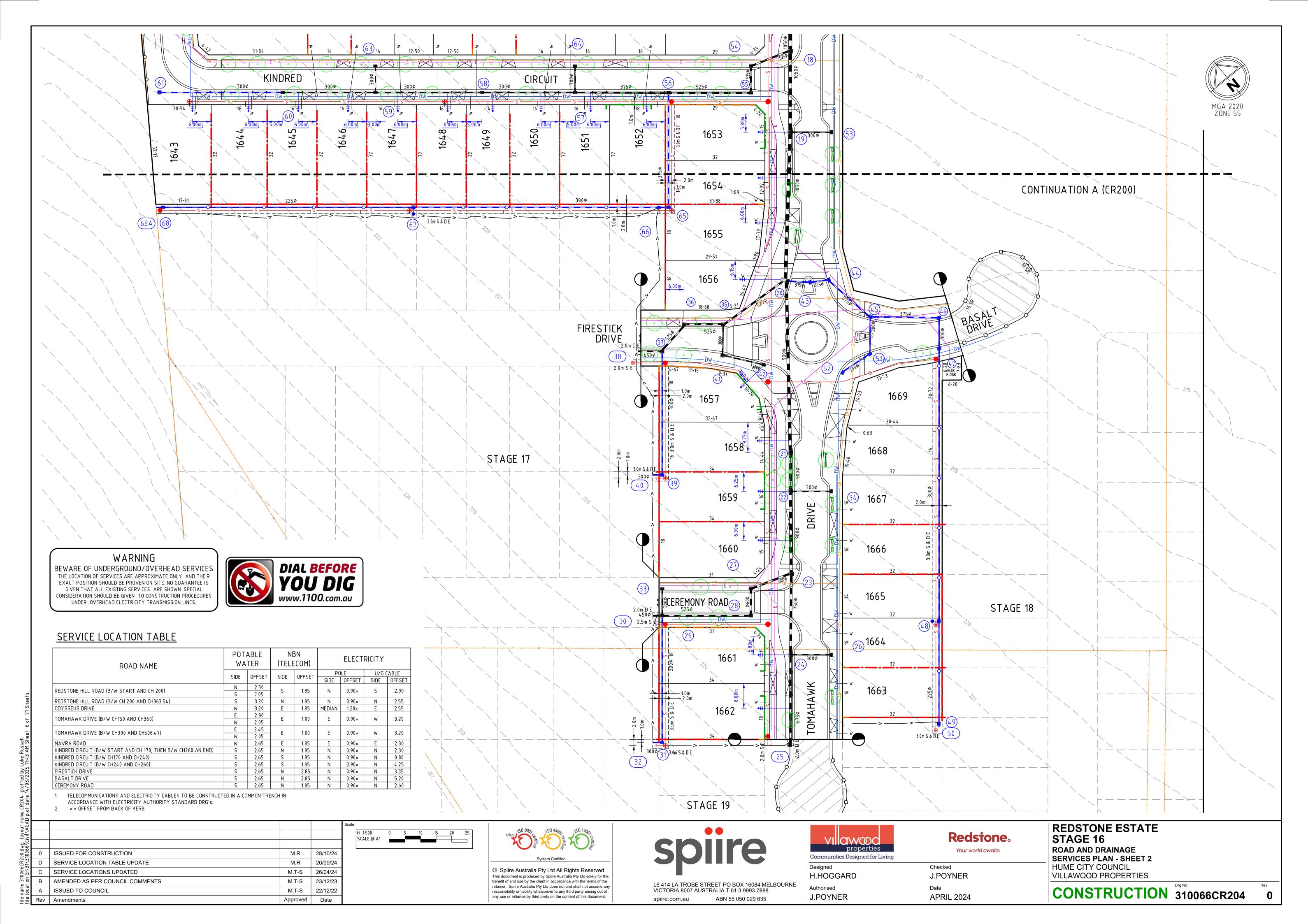
L6 414 LA TROBE STREET PO BOX 16084 MELBOURNE VICTORIA 8007 AUSTRALIA T 61 3 9993 7888 ABN 55 050 029 635 spiire.com.au

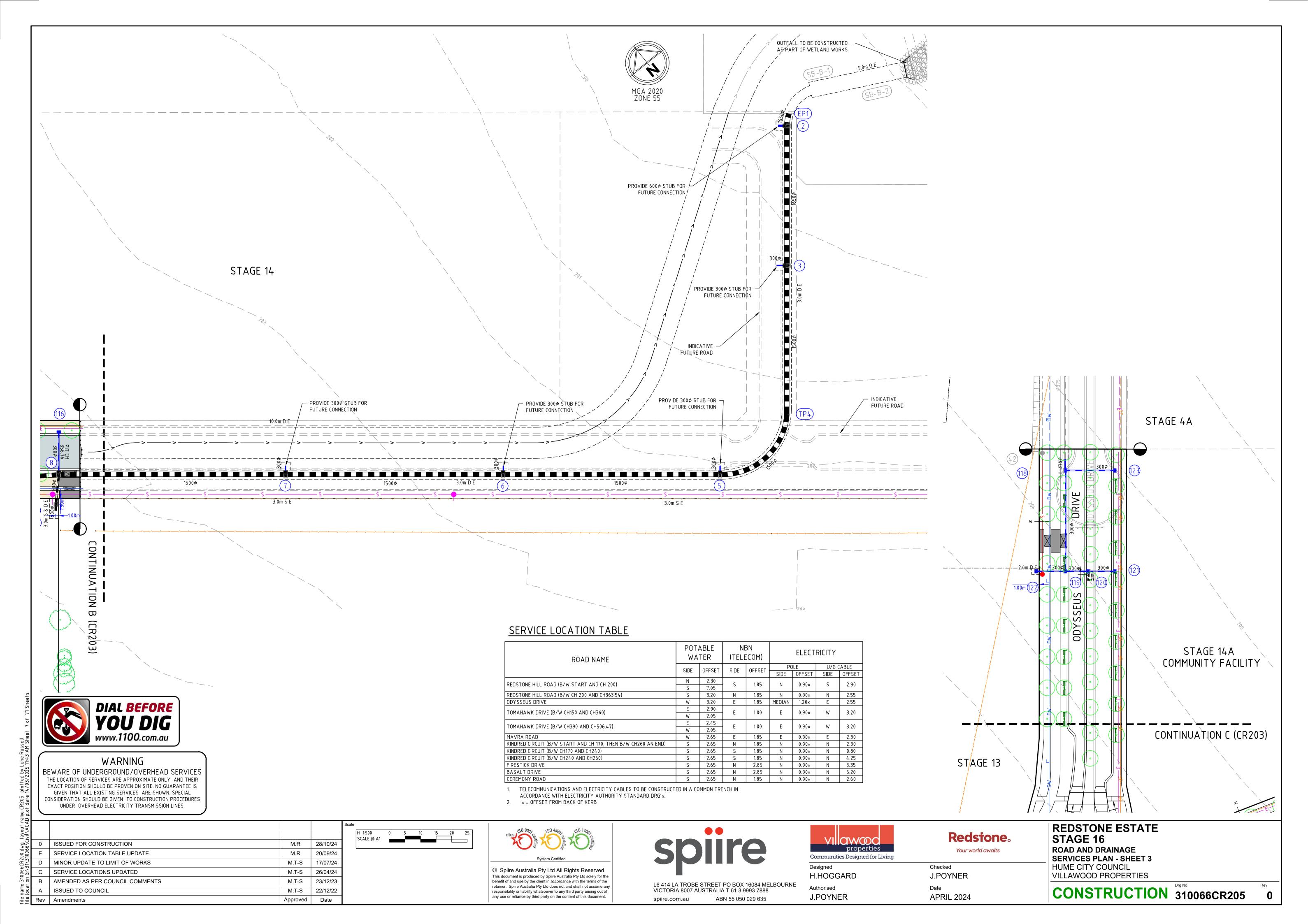


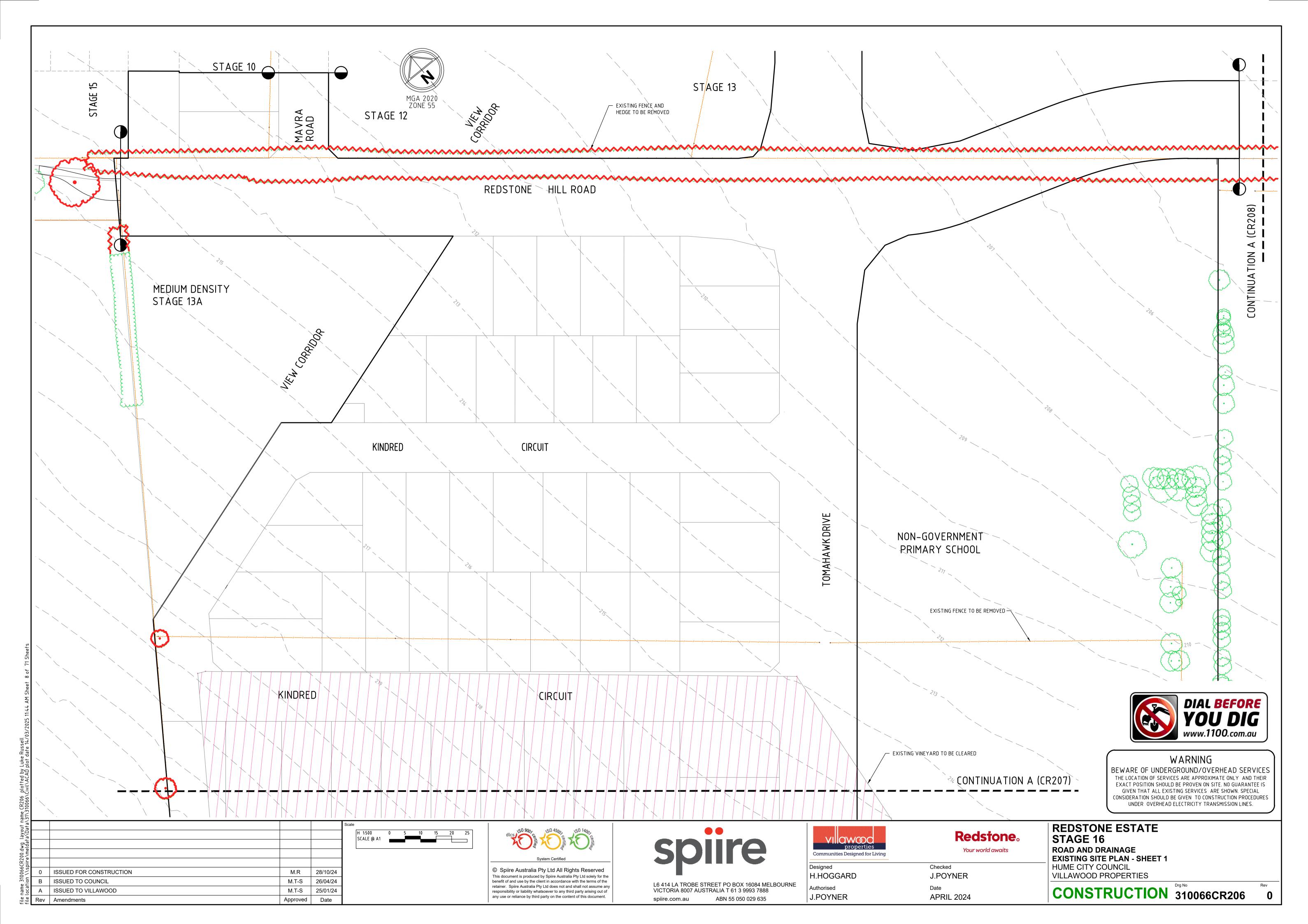


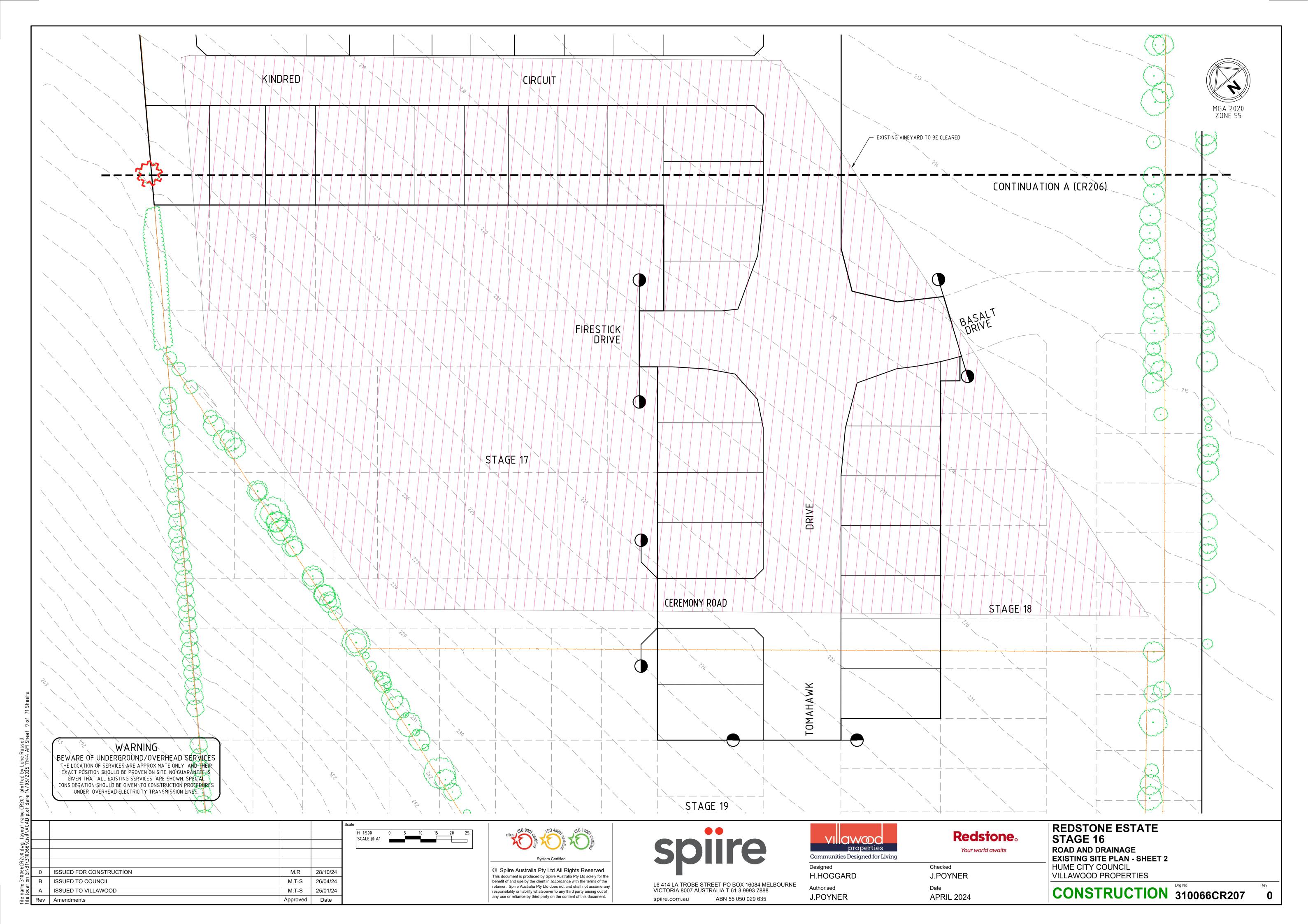


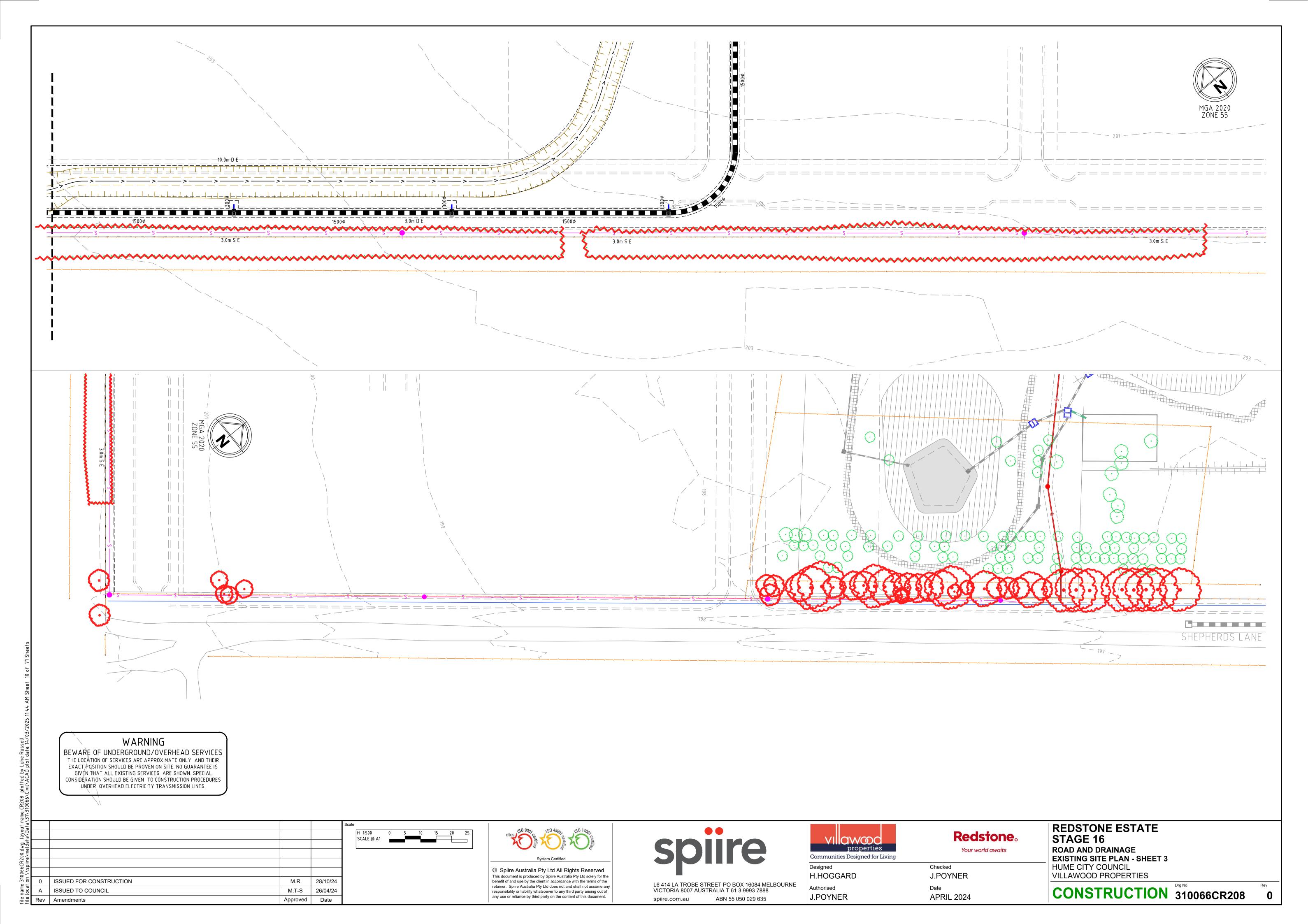




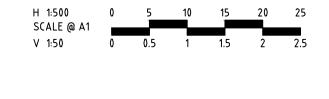








ISSUED FOR CONSTRUCTION M.R 28/10/24 REMOVAL OF LOT 1643 RETAINING M.T-S 17/07/24 M.T-S MINOR AMENDMENTS 26/04/24 M.T-S B MINOR AMENDMENTS 20/12/23 M.T-S A ISSUED TO COUNCIL 22/12/22 Approved Date Rev | Amendments





© Spiire Australia Pty Ltd All Rights Reserved This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.



spiire.com.au



ABN 55 050 029 635



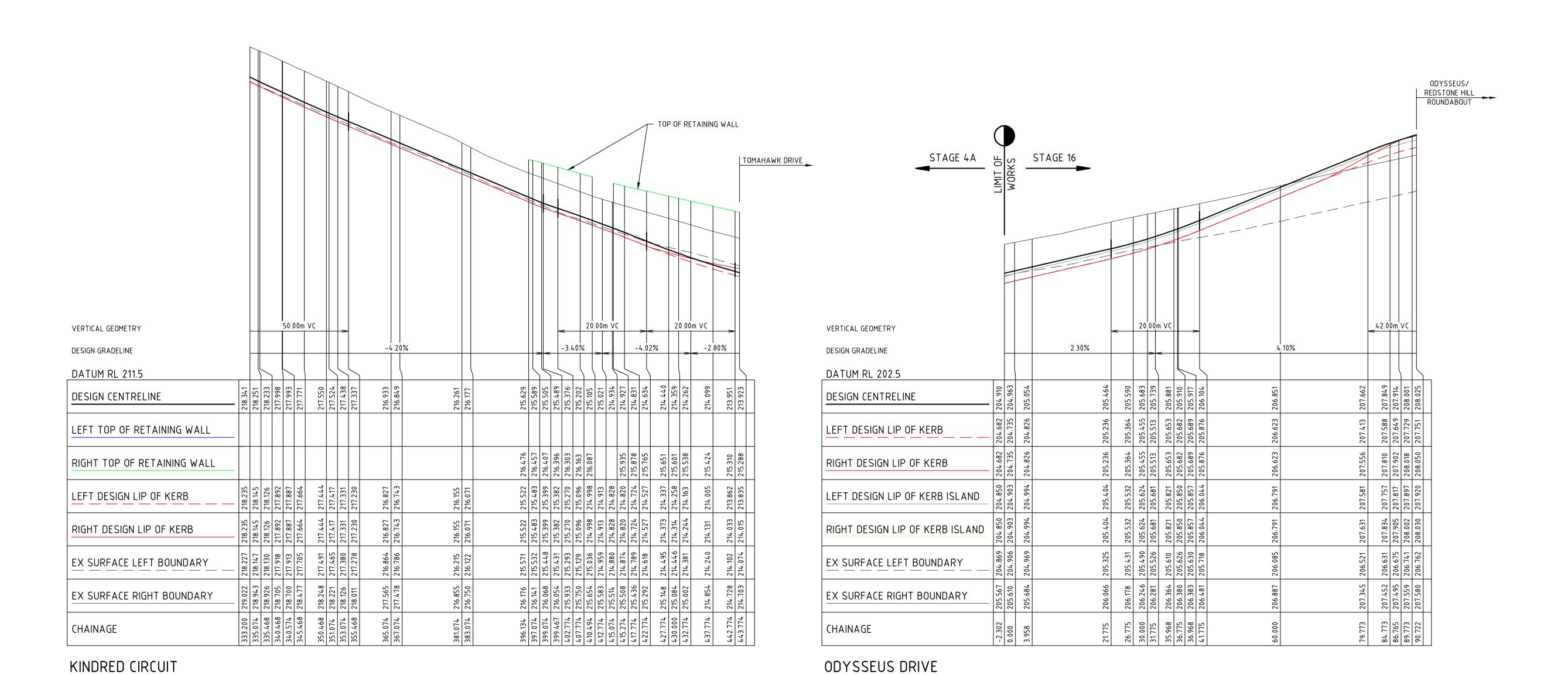
Authorised

Checked H.HOGGARD J.POYNER APRIL 2024 J.POYNER

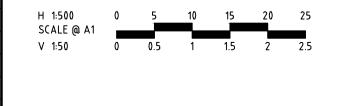
Redstone.

Your world awaits

**REDSTONE ESTATE** STAGE 16 **ROAD AND DRAINAGE ROAD LONG SECTIONS - SHEET 1** HUME CITY COUNCIL **VILLAWOOD PROPERTIES** 



ISSUED FOR CONSTRUCTION M.R 28/10/24 MINOR UPDATE TO LIMIT OF WORKS M.T-S 17/07/24 MINOR AMENDMENTS M.T-S 26/04/24 B MINOR AMENDMENTS M.T-S 20/12/23 A ISSUED TO COUNCIL M.T-S 22/12/22 Approved Date Rev Amendments





This document is produced by Spiire Australia Pty Ltd solely for the

retainer. Spiire Australia Pty Ltd does not and shall not assume any

responsibility or liability whatsoever to any third party arising out of

any use or reliance by third party on the content of this document.

benefit of and use by the client in accordance with the terms of the



VICTORIA 8007 AUSTRALIA T 61 3 9993 7888

spiire.com.au



ABN 55 050 029 635

properties Communities Designed for Living Designed H.HOGGARD Authorised J.POYNER

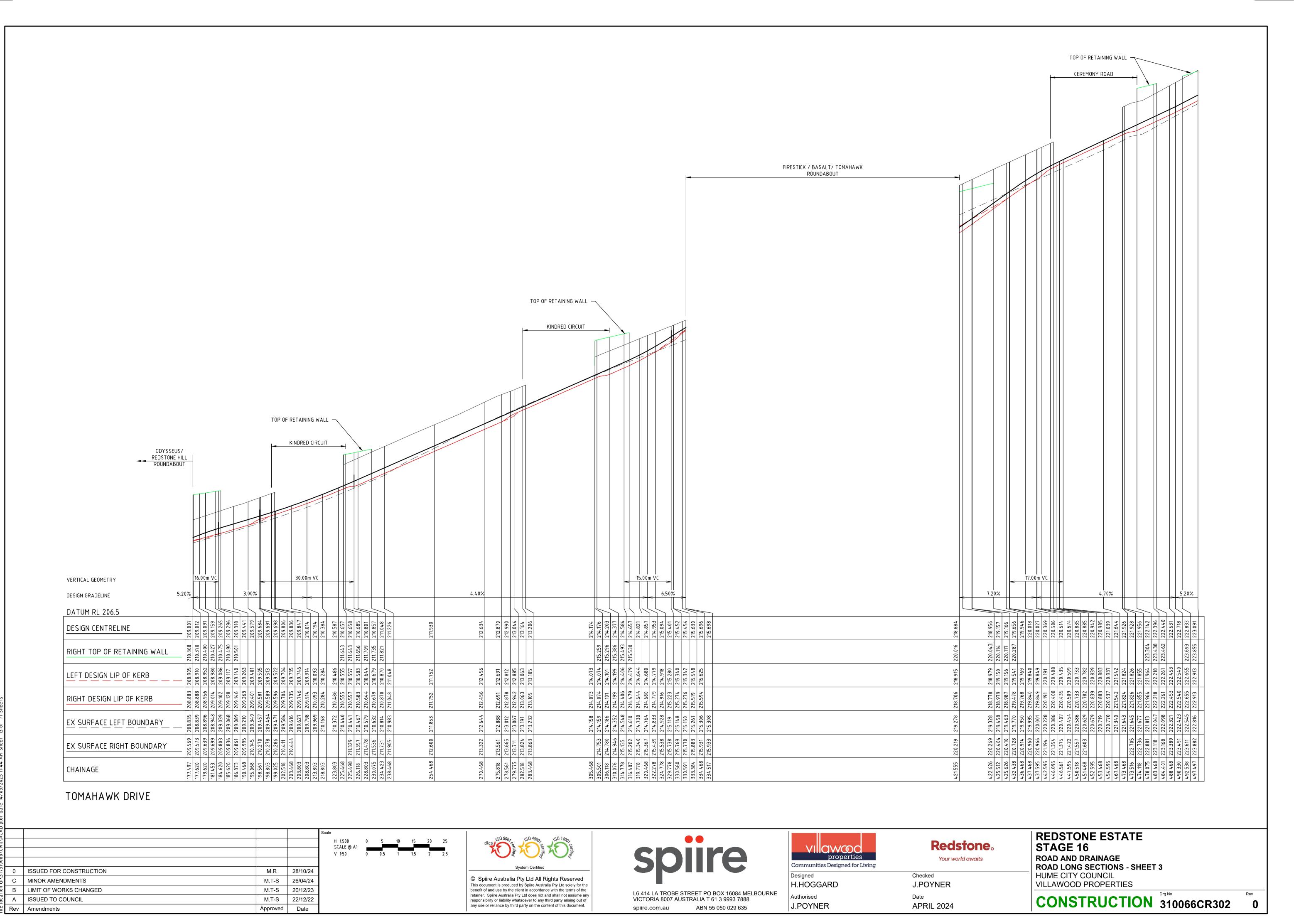
ıllawood

Redstone. Your world awaits

Checked

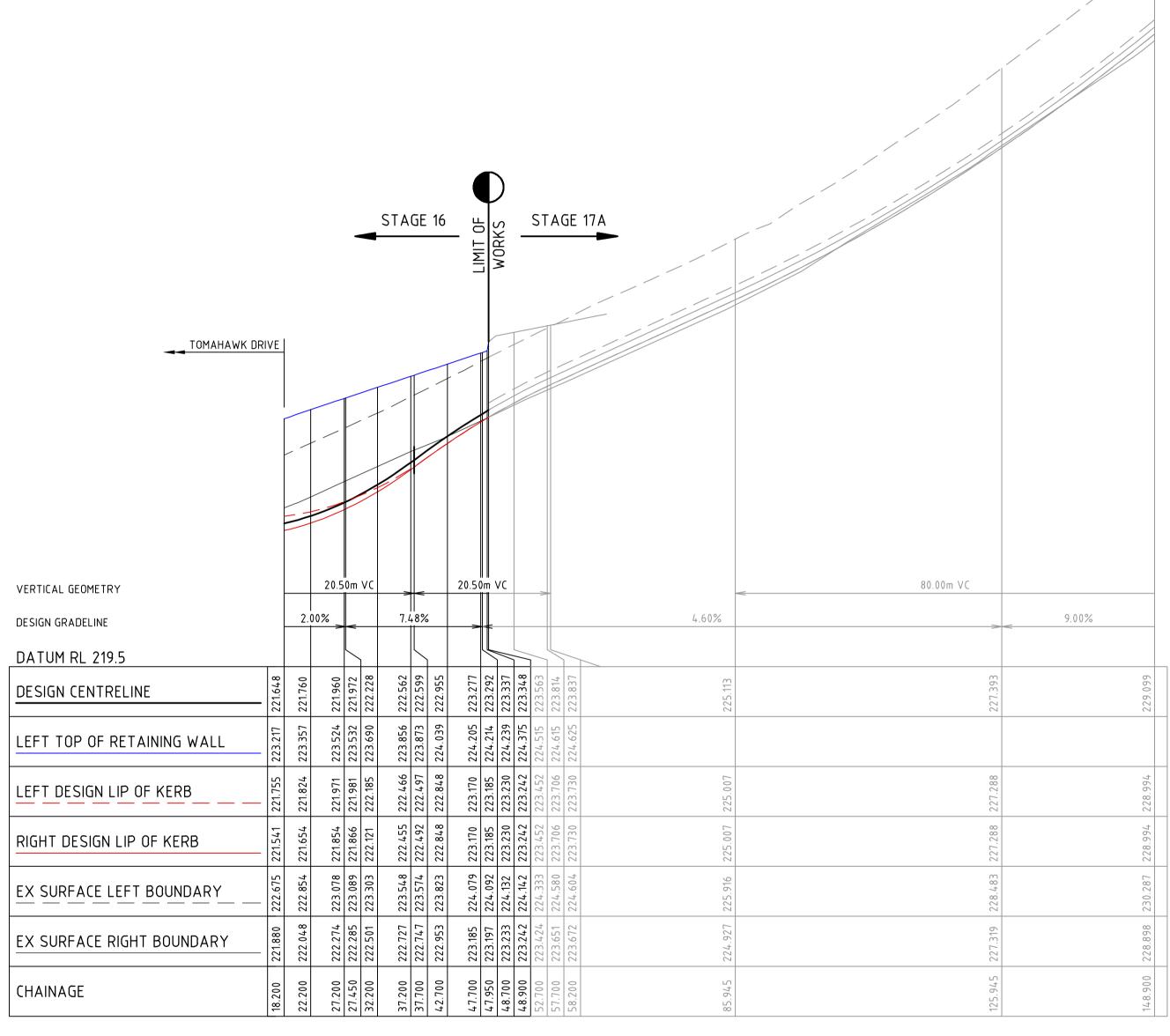
J.POYNER APRIL 2024

**REDSTONE ESTATE** STAGE 16 **ROAD AND DRAINAGE ROAD LONG SECTIONS - SHEET 2 HUME CITY COUNCIL** VILLAWOOD PROPERTIES



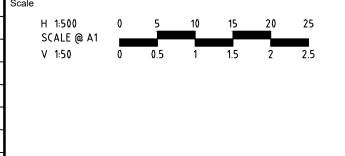
066CR300.dwg layout name CR302 plotted by Luke Russell

TOMAHAWK DRIVE



CEREMONY ROAD

<u> </u>						
ut na ACAD					Sc	
31066CR300.dwg layout on G:\31\310066\Civil\AC						
wg 6/Ci						
00.d 1006	0	ISSUED FOR CONSTRUCTION	M.R	28/10/24		
CR3	D	CEREMONY ROAD CHANGED TO TWO WAY CROSSFALL	M.T-S	17/07/24		
9906	C	MINOR AMENDMENTS	M.T-S	26/04/24		
e 31 tion	В	LIMIT OF WORKS CHANGED	M.T-S	20/12/23		
name 31( location	Α	ISSUED TO COUNCIL	M.T-S	22/12/22		
file file	Rev	Amendments	Approved	Date		





any use or reliance by third party on the content of this document.



ABN 55 050 029 635

spiire.com.au

VII CWOC properties Communities Designed for Living	
Designed	-
H.HOGGARD	

Authorised

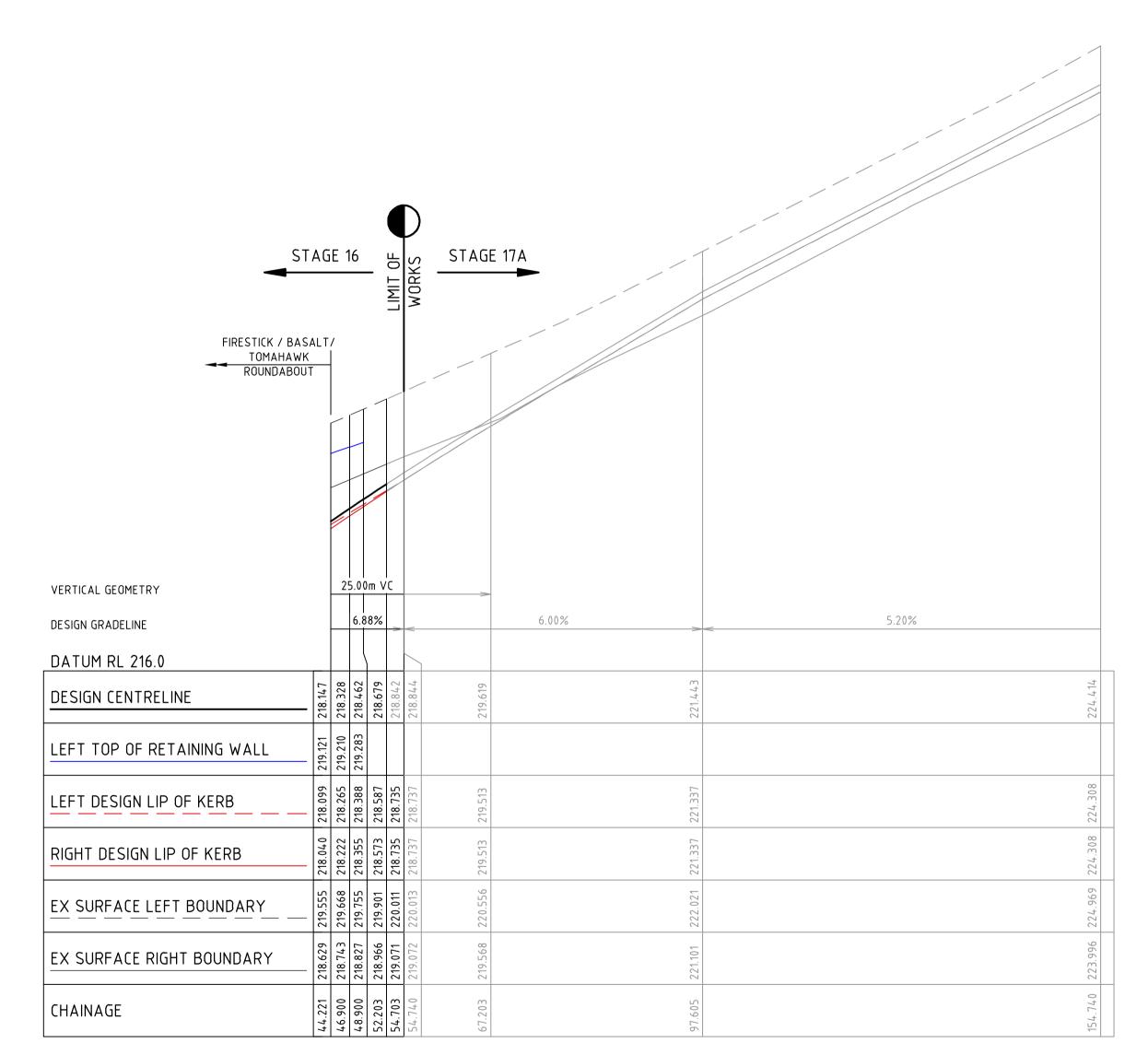
J.POYNER

r Living	
	Checked
	J.POYNER
	Date
	APRIL 2024

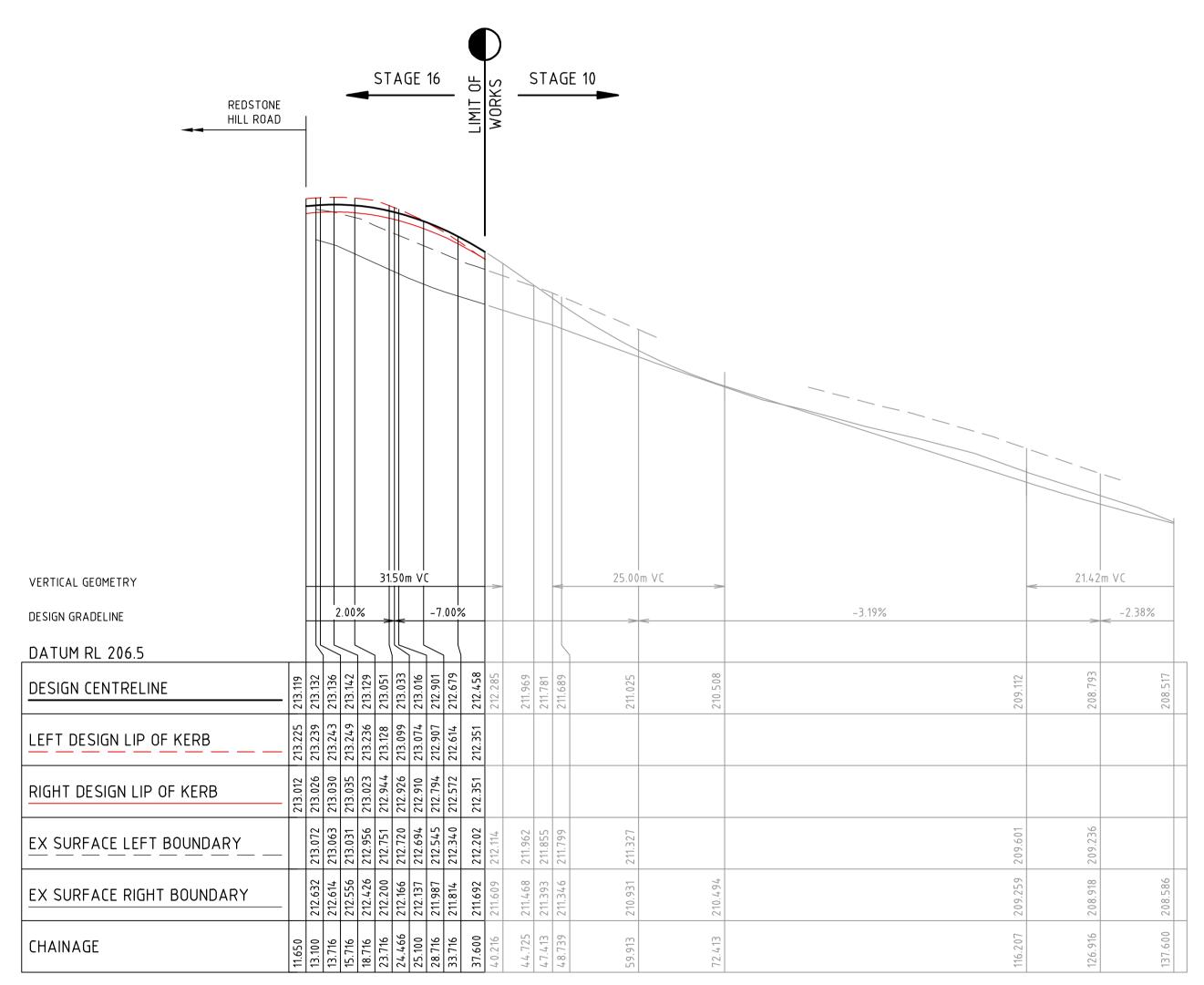
**Redstone**。

Your world awaits

	REDSTONE ESTATE STAGE 16
	ROAD AND DRAINAGE
	ROAD LONG SECTIONS - SHEET 4
_	ROAD LONG SECTIONS - SHEET 4 HUME CITY COUNCIL
	VILLAWOOD PROPERTIES



FIRESTICK DRIVE



MAVRA ROAD

, 5					
ACAD					Scale
'/					
67Ci					1
310066\Civil					1
31/3	0	ISSUED FOR CONSTRUCTION	M.R	28/10/24	1
اق	С	MAVRA AMENDED TO MATCH STAGE 10, FIRESTICK SECTION ADDED	M.T-S	26/04/24	
ocation	В	VERTICLE CURVE AMENDED	M.T-S	20/12/23	]
loca	Α	ISSUED TO COUNCIL	M.T-S	22/12/22	
ile	Rev	Amendments	Approved	Date	1

H 1:500 0 5 10 15 20 25 SCALE @ A1 V 1:50 0 0.5 1 1.5 2 2.5



© Spiire Australia Pty Ltd All Rights Reserved This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.



ABN 55 050 029 635

spiire.com.au

VII CWOC properties
Communities Designed for Living
Designed

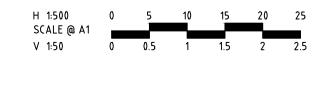
Authorised

Your world awaits Checked H.HOGGARD J.POYNER J.POYNER APRIL 2024

**Redstone**。

REDSTONE ESTATE
STAGE 16
ROAD AND DRAINAGE
<b>ROAD LONG SECTIONS - SHEET</b>
HUME CITY COUNCIL
VILLAWOOD PROPERTIES

ISSUED FOR CONSTRUCTION M.R 28/10/24 MINOR AMENDMENTS M.T-S 26/04/24 B MINOR AMENDMENTS M.T-S 20/12/23 A ISSUED TO COUNCIL M.T-S 22/12/22 Approved Date Rev Amendments





© Spiire Australia Pty Ltd All Rights Reserved This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.



VICTORIA 8007 AUSTRALIA T 61 3 9993 7888

ABN 55 050 029 635

spiire.com.au

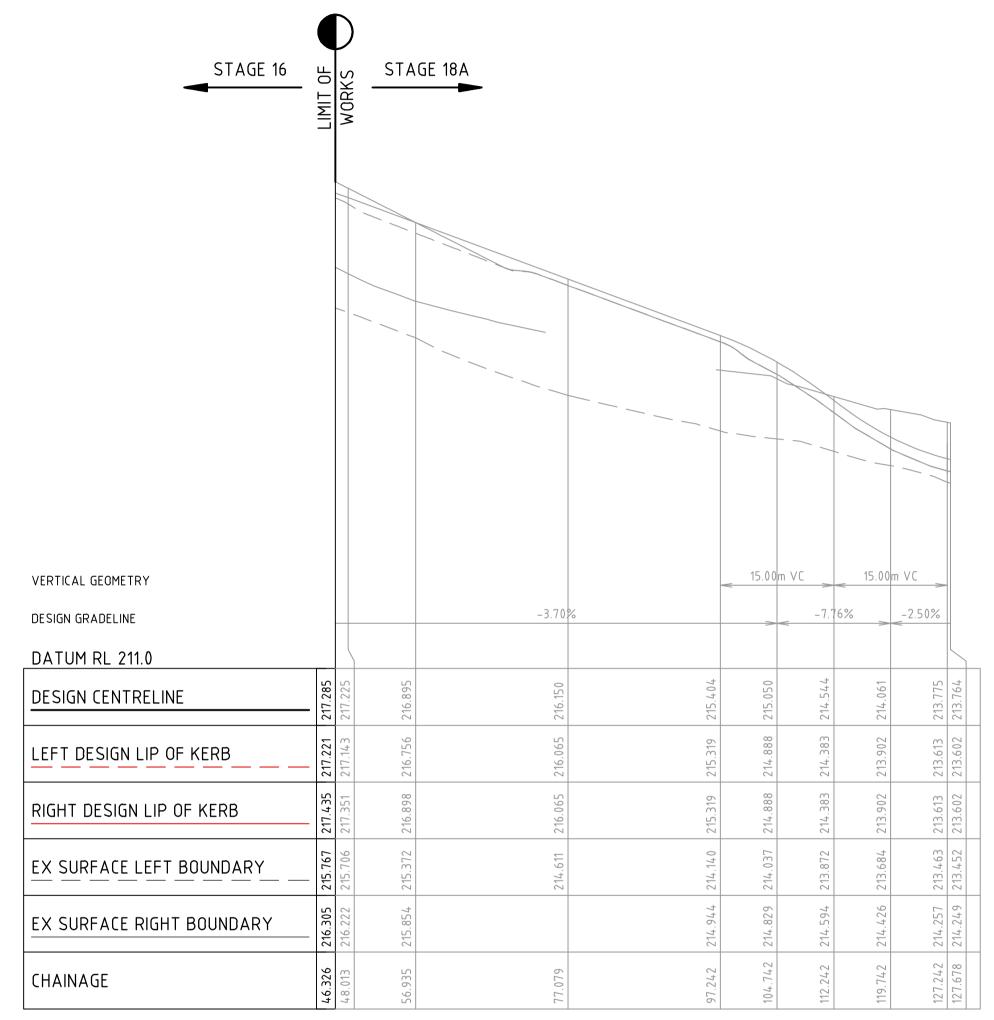


Your world awaits Checked H.HOGGARD J.POYNER Authorised J.POYNER APRIL 2024

**Redstone**。

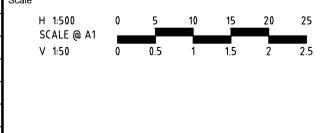
REDSTONE ESTATE STAGE 16 ROAD AND DRAINAGE **ROAD LONG SECTIONS - SHEET 6** HUME CITY COUNCIL VILLAWOOD PROPERTIES

REDSTONE HILL ROAD



BASALT DRIVE

$\overline{a}$					
ACAD					Sc
\i <u>`</u>					
6 <u>/</u> Ci					
310066\Civil\					
31\3	0	ISSUED FOR CONSTRUCTION	M.R	28/10/24	
از)	С	BASALT SECTION ADDED	M.T-S	26/04/24	
tion	В	LIMIT OF WORKS CHANGED	M.T-S	20/12/23	
location	Α	ISSUED TO COUNCIL	M.T-S	22/12/22	
ile l	Rev	Amendments	Approved	Date	





retainer. Spiire Australia Pty Ltd does not and shall not assume any

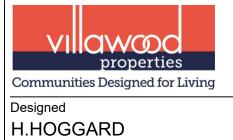
responsibility or liability whatsoever to any third party arising out of

any use or reliance by third party on the content of this document.



ABN 55 050 029 635

spiire.com.au



Authorised

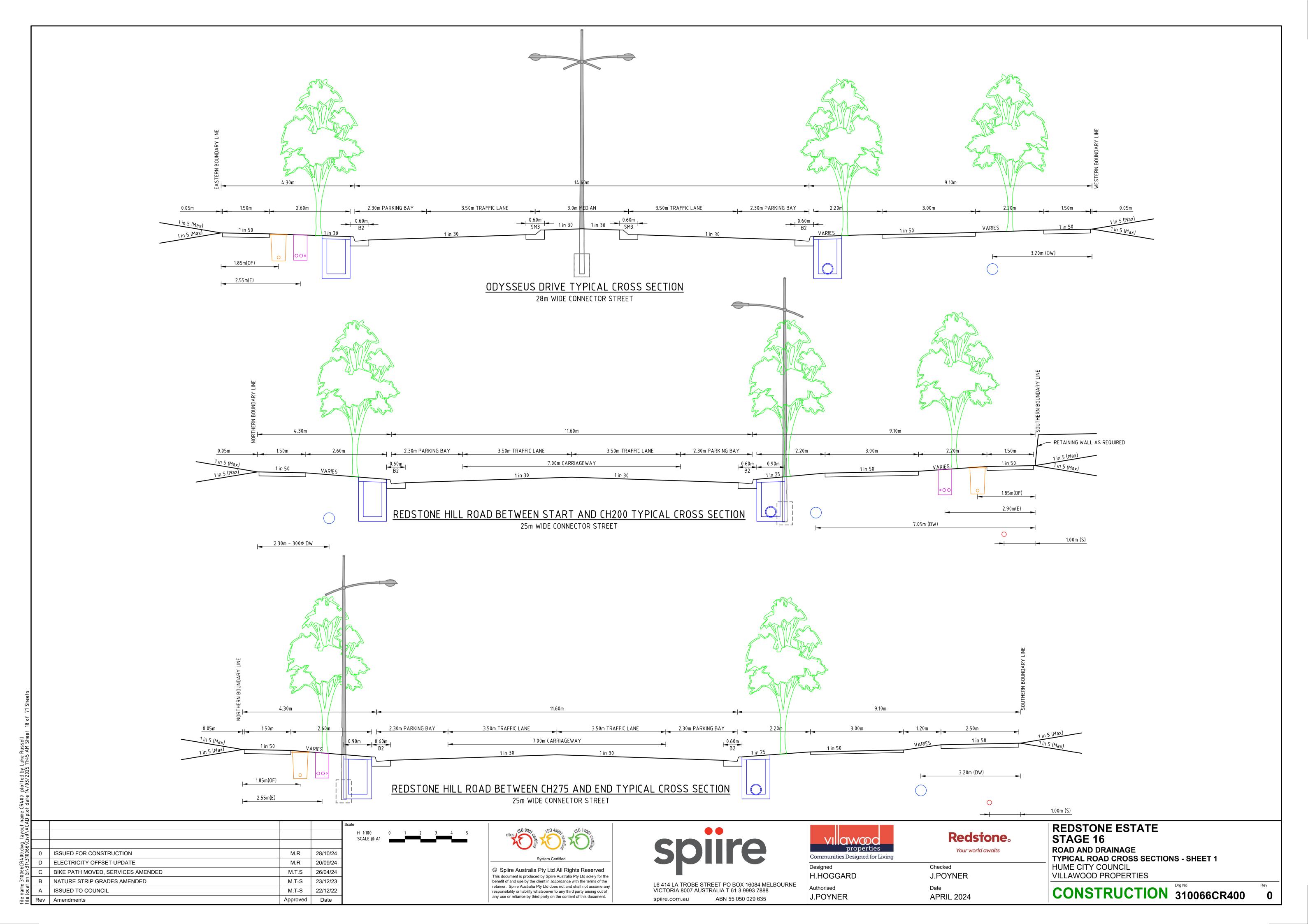
J.POYNER

ing	
	Checked
	J.POYNER
	Date
	APRIL 2024

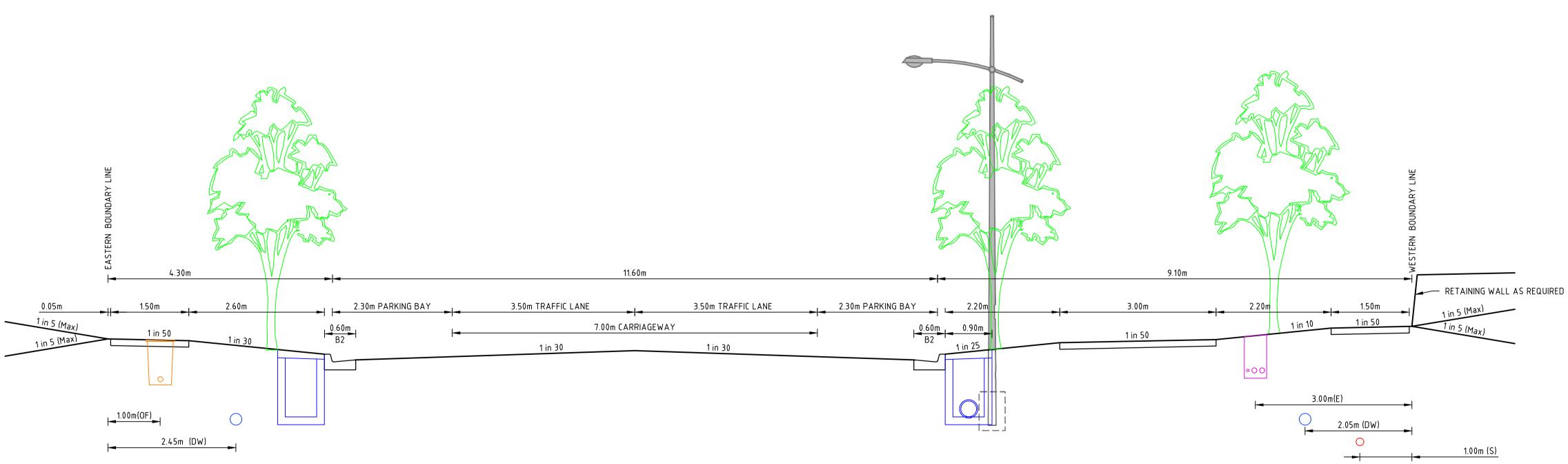
**Redstone**。

Your world awaits

REDSTONE ESTATE STAGE 16
ROAD AND DRAINAGE
<b>ROAD LONG SECTIONS - SHEET 7</b>
HUME CITY COUNCIL
VILLAWOOD PROPERTIES



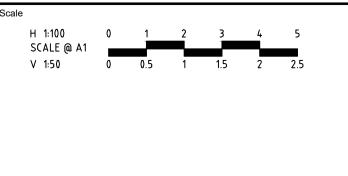
#### TOMAHAWK DRIVE BETWEEN CH150 AND CH360 TYPICAL CROSS SECTION 25m WIDE CONNECTOR STREET



## TOMAHAWK DRIVE BETWEEN CH390 AND END TYPICAL CROSS SECTION

25m WIDE CONNECTOR STREET

AD					
ac Al					Ę
layout ivil\AC/					l
					l
00.d 1006	0	ISSUED FOR CONSTRUCTION	M.R	28/10/24	l
CR4 31/3	D	ELECTRICITY OFFSET UPDATE	M.R	20/09/24	
0066 G:\∃	С	BIKE PATH MOVED, SERVICES AMENDED	M.T.S	26/04/24	
e 31 tion	В	TOMAHAWK SECTION ADDED	M.T-S	23/12/23	l
name 310066CR400.dwg location G:\31\310066\C	Α	ISSUED TO COUNCIL	M.T-S	22/12/22	
e e	Rev	Amendments	Approved	Date	ı





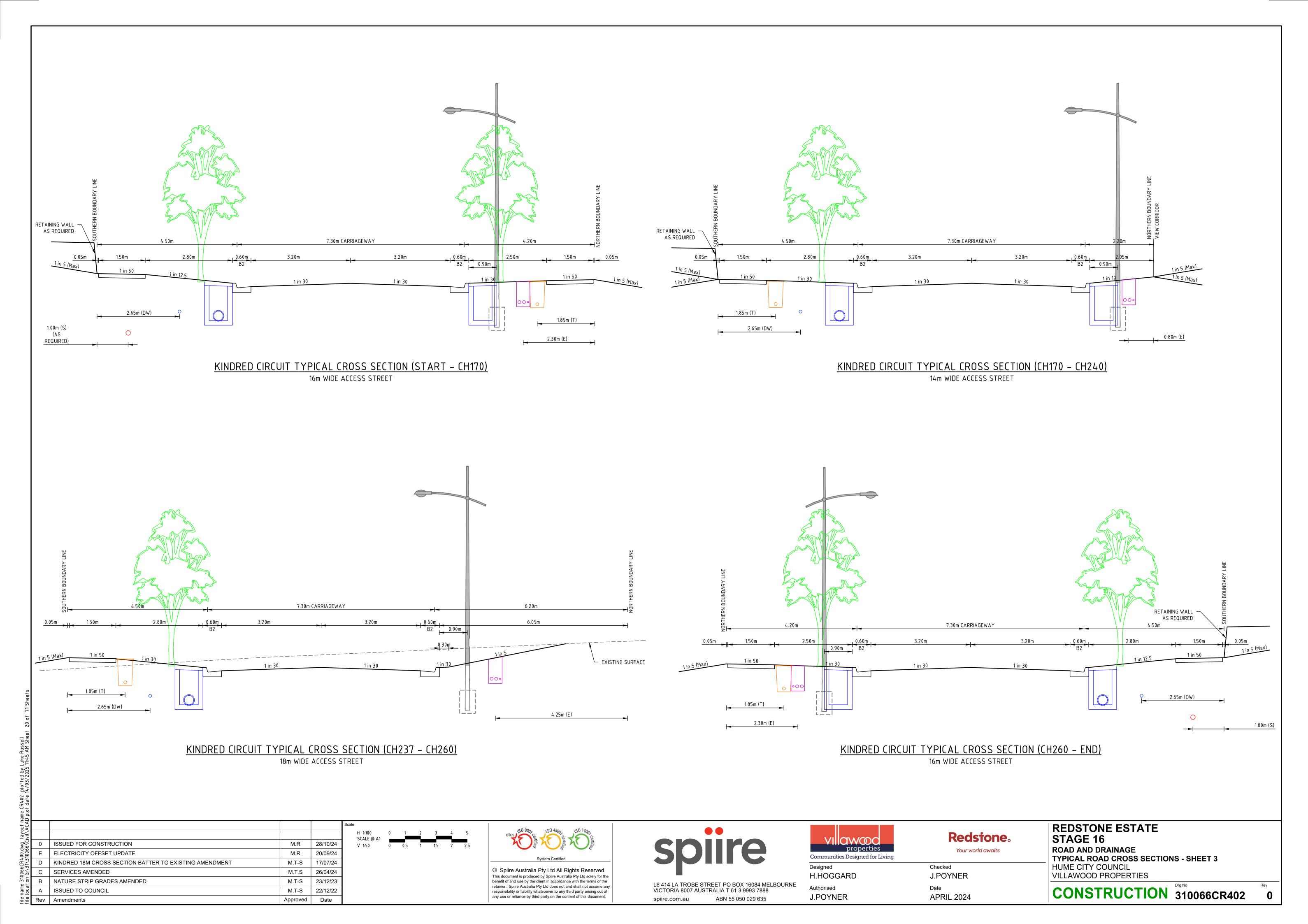
any use or reliance by third party on the content of this document.

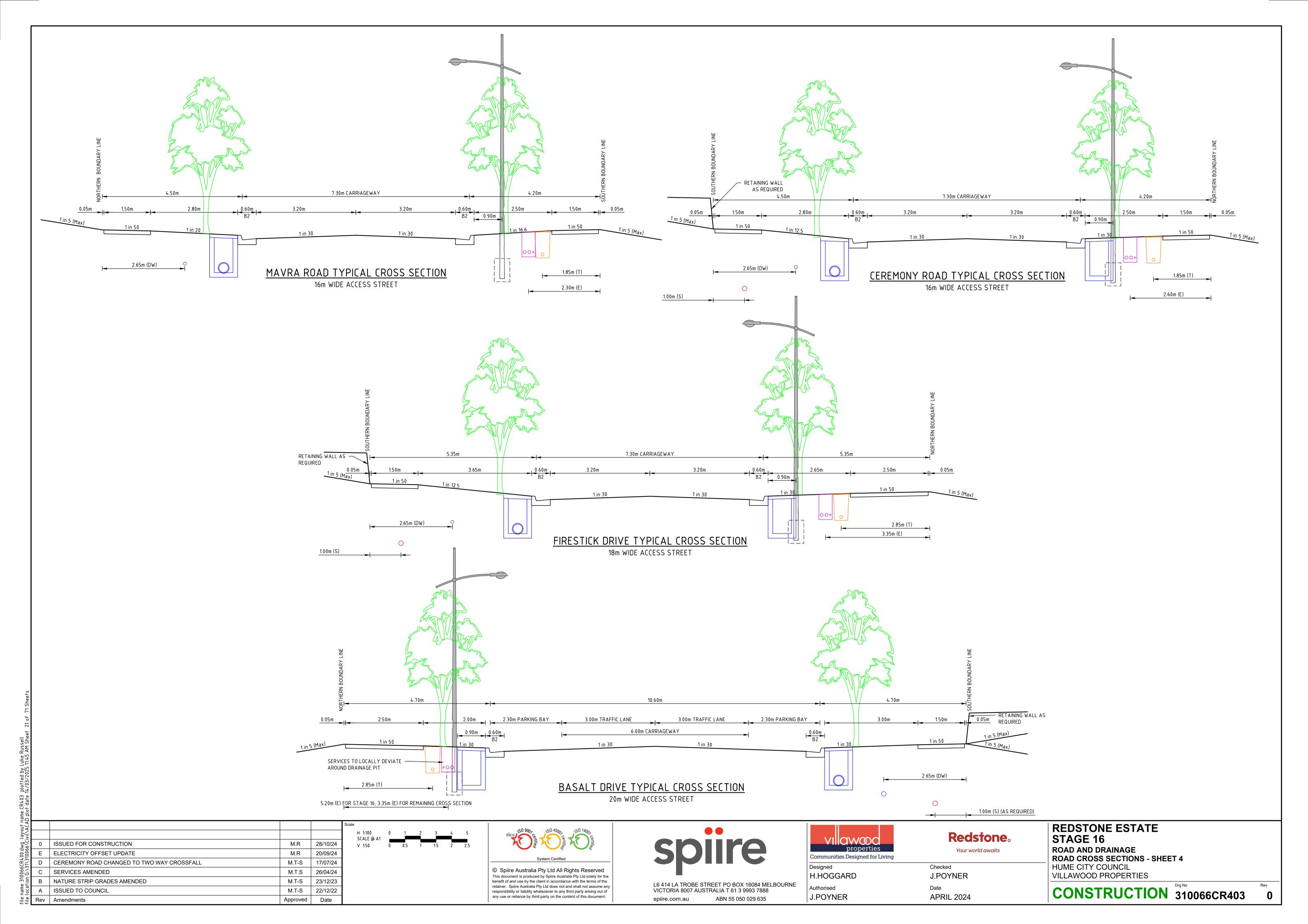


VI	awwc
	properties
Communit	ies Designed for Living
Designed	
H.HOGG	SARD

VIICWOC properties Communities Designed for Living	Redstone.  Your world awaits
Designed H.HOGGARD	Checked J.POYNER
Authorised J.POYNER	Date APRIL 2024

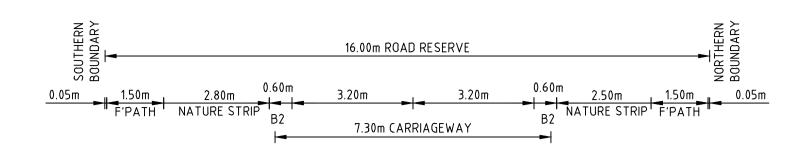
	REDSTONE ESTATE STAGE 16
	ROAD AND DRAINAGE
	TYPICAL ROAD CROSS SECTIONS - SHEET 2
•	HUME CITY COUNCIL
	VILLAWOOD PROPERTIES
	Drg No.

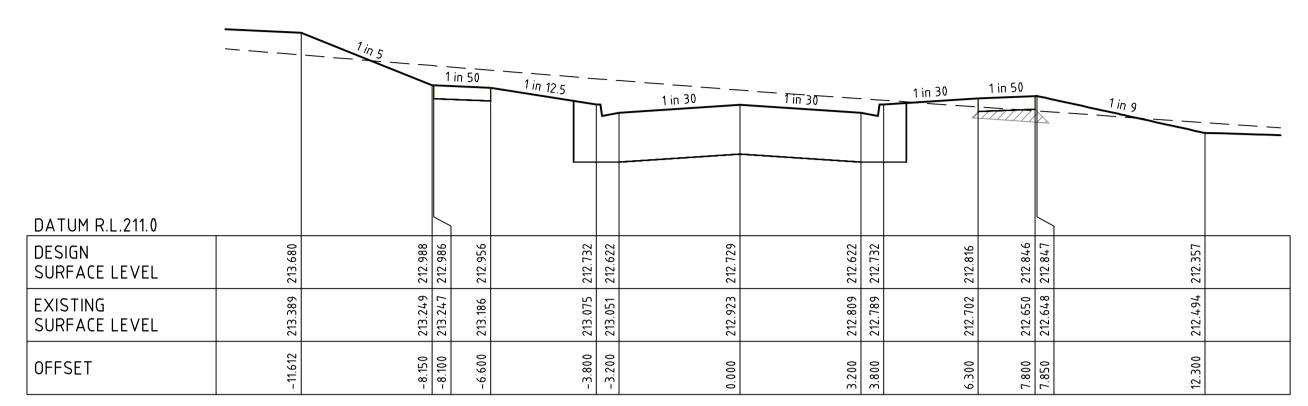




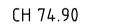
ACCORDANCE WITH COUNCIL STANDARDS.

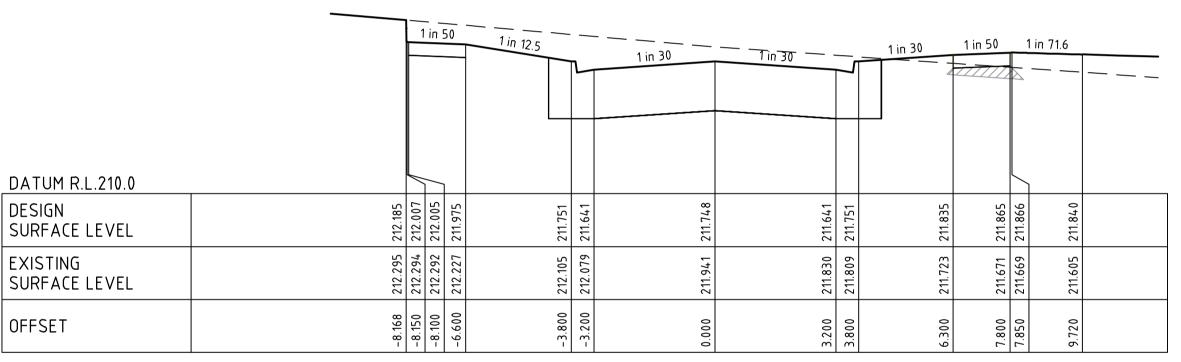
FILLING NOTE ALL FILLING WITHIN ROAD RESERVES IS TO BE UNDERTAKEN USING LEVEL 1 SUPERVISION AND BE COMPLETED IN ACCORDANCE WITH AS 3798-2007 AND TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND REPLACED WITH TOPSOIL (WHERE REQUIRED) TO OBTAIN THE FINAL LEVELS SHOWN ON THE DRAWINGS. FILLING UNDERNEATH FOOTPATH TO BE CLASS 3 CRUSHED ROCK IN



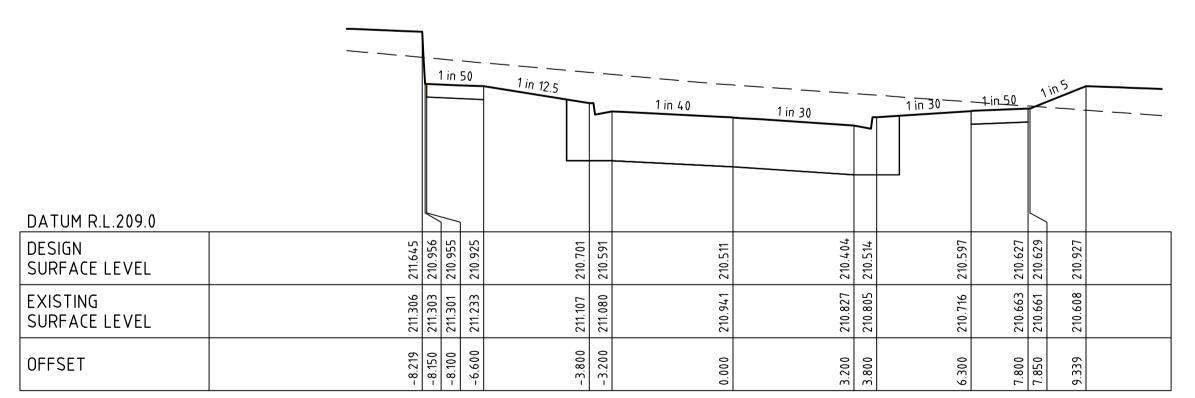


KINDRED CIRCUIT





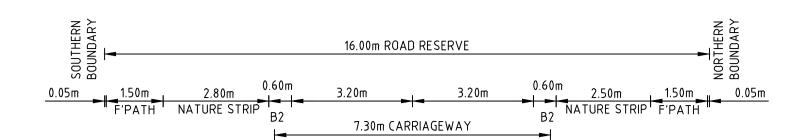
KINDRED CIRCUIT CH 46.90

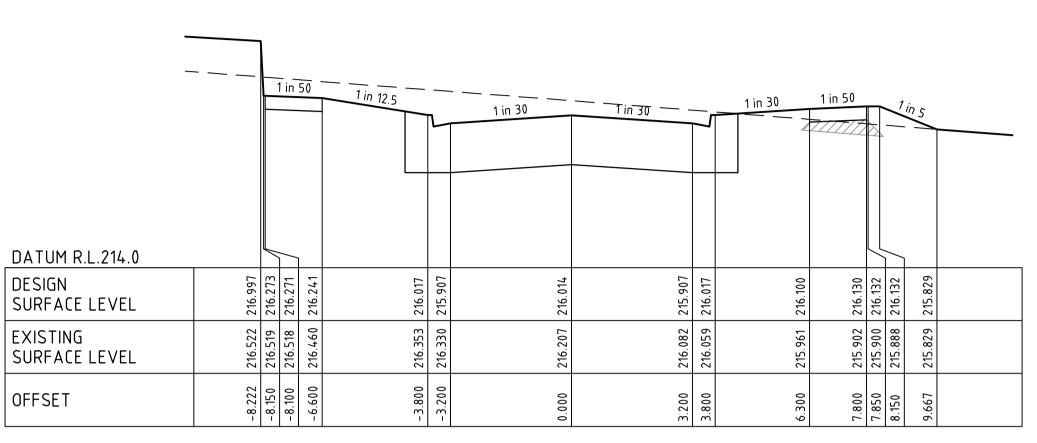


CH 18.20 KINDRED CIRCUIT

Approved

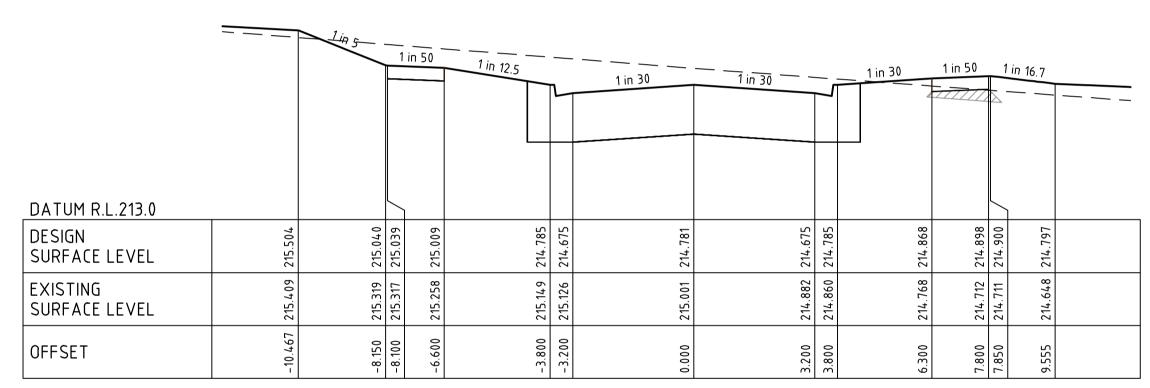
Date





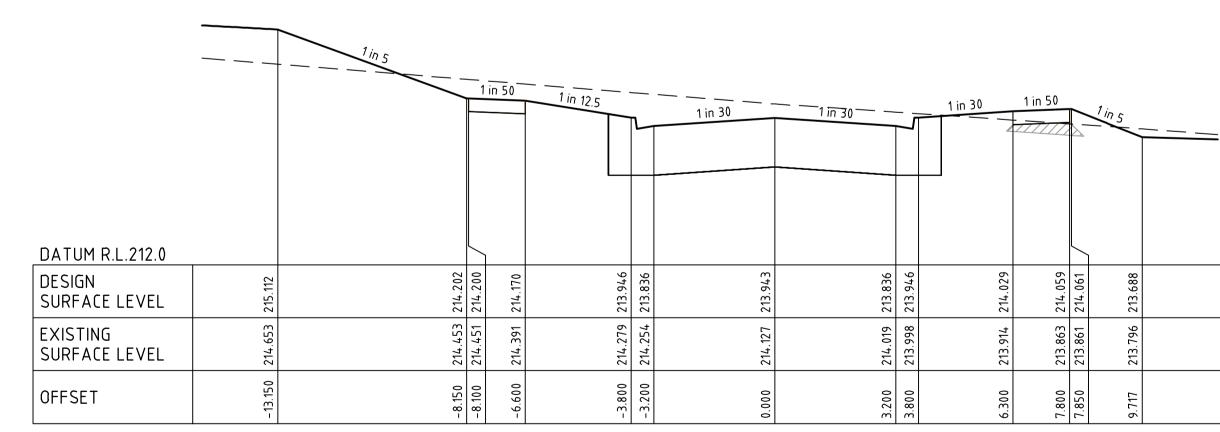
KINDRED CIRCUIT

CH	11	60	1. (	0(	



KINDRED CIRCUIT

CH 128.40



KINDRED CIRCUIT

СH	106	5.90

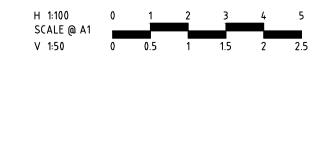
**Redstone**。

Your world awaits

	Scale	00.00
	H 1:100 0 <u>1 2 3 4</u> 5	dlcs 50 300, 50 4300, 50 1400,

ISSUED FOR CONSTRUCTION M.R 28/10/24 SECTION AMENDED, BATTERS ADDED M.T-S 26/04/24 CROSS SECTIONS AMENDED M.T-S 23/12/23 ISSUED TO COUNCIL M.T-S 22/12/22

Rev Amendments



dlcs \$0 900, certified to the state of the s	
System Certified	
 System Certified	_

© Spiire Australia Pty Ltd All Rights Reserved This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.



VICTORIA 8007 AUSTRALIA T 61 3 9993 7888

ABN 55 050 029 635

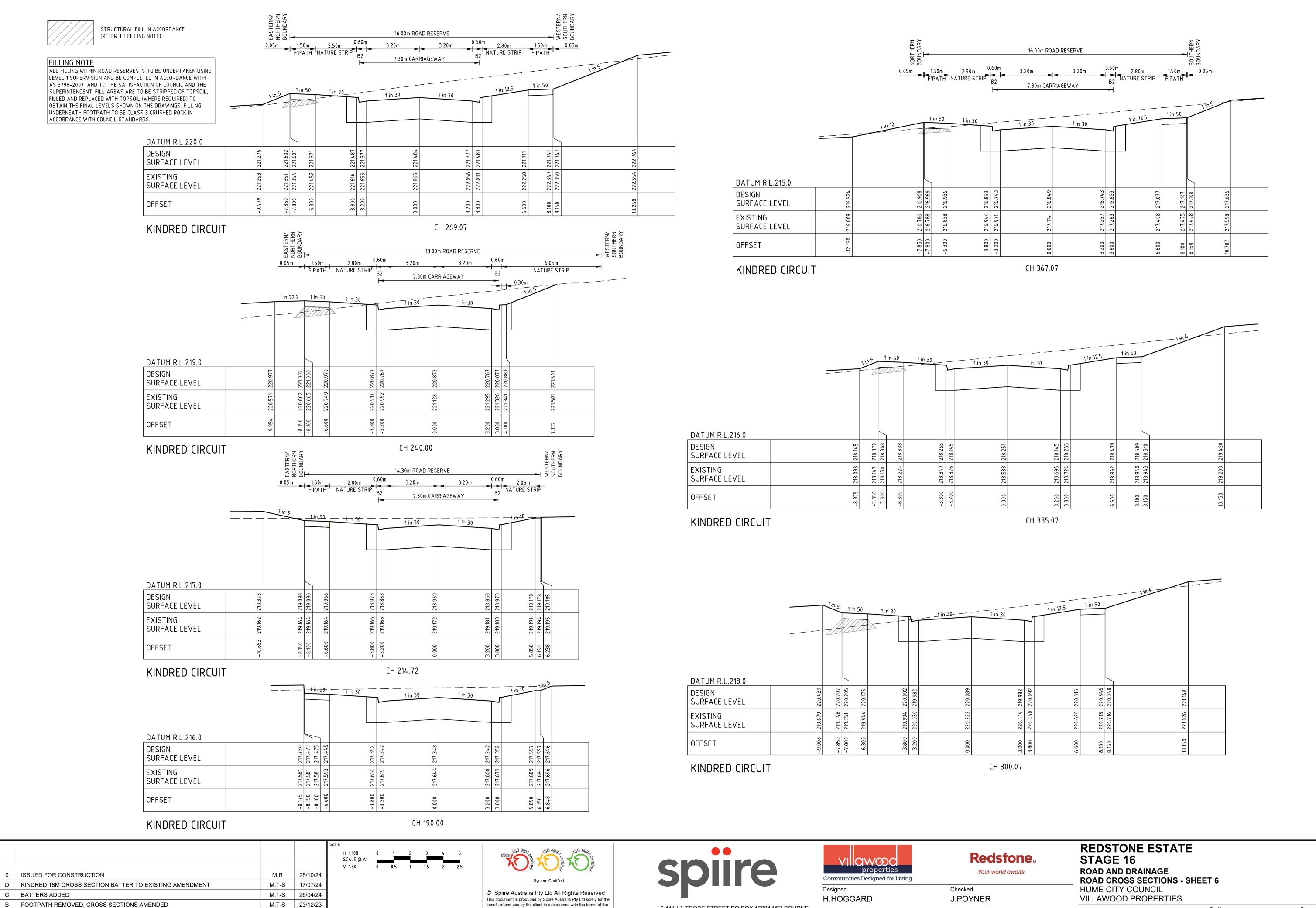
spiire.com.au

VIII	CWOC properties es Designed for Living
Designed	

Authorised

Checked J.POYNER H.HOGGARD APRIL 2024 J.POYNER

REDSTONE ESTATE STAGE 16 **ROAD AND DRAINAGE ROAD CROSS SECTIONS - SHEET 5** HUME CITY COUNCIL VILLAWOOD PROPERTIES



retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

22/12/22

Date

Approved

A ISSUED TO COUNCIL

Rev | Amendments

L6 414 LA TROBE STREET PO BOX 16084 MELBOURNE VICTORIA 8007 AUSTRALIA T 61 3 9993 7888

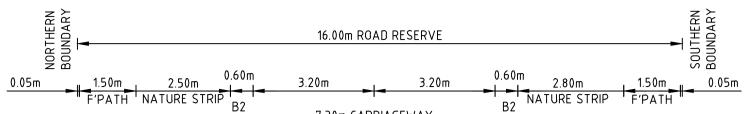
ABN 55 050 029 635

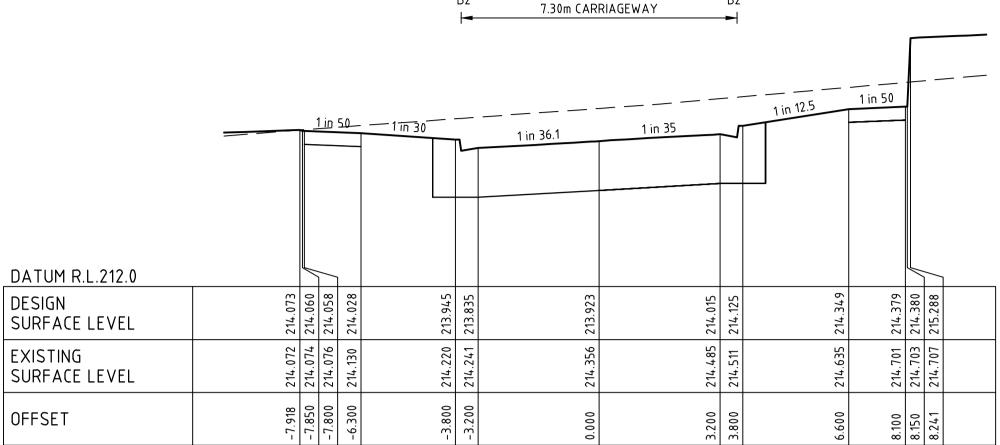
spiire.com.au

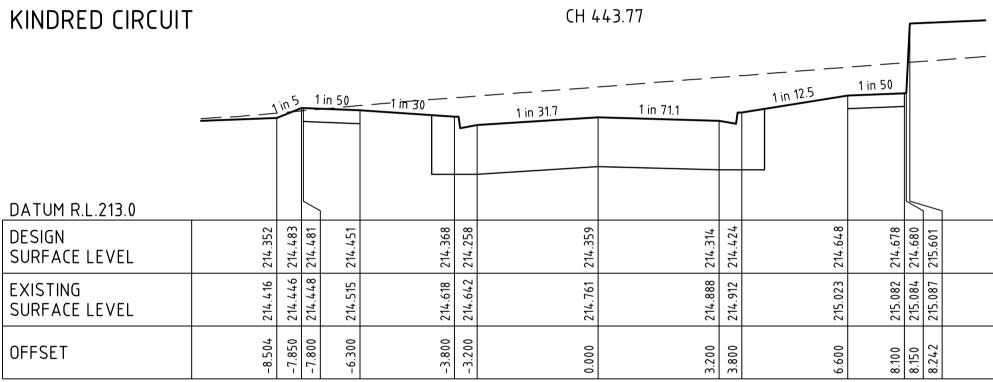
APRIL 2024

J.POYNER

ALL FILLING WITHIN ROAD RESERVES IS TO BE UNDERTAKEN USING LEVEL 1 SUPERVISION AND BE COMPLETED IN ACCORDANCE WITH AS 3798-2007 AND TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND REPLACED WITH TOPSOIL (WHERE REQUIRED) TO OBTAIN THE FINAL LEVELS SHOWN ON THE DRAWINGS. FILLING UNDERNEATH FOOTPATH TO BE CLASS 3 CRUSHED ROCK IN ACCORDANCE WITH COUNCIL STANDARDS.







**DATUM R.L.213.0** SURFACE LEVEL EXISTING SURFACE LEVEL OFFSET CH 430.00

KINDRED CIRCUIT 16.00m ROAD RESERVE

}		0.09	5m	1,50m	∠.50m	0.60m	3.20m	3.20m	0.60	L 2.8VM	1.50m		.05m
			-11	F'PATH	NATURE STRIP	B2   <del>-</del>	7.30m CAR	RIAGEWAY	B2 <del>►</del>	NATURE STRIP	F'PATH		<u>—</u> — –
			1 in 8	1 in 50	1 in 30	- - -	1 in 30	1 in 30	_	1 in 12.5	1 in 50		
	DATUM R.L.214.0			}									1
}	DESIGN SURFACE LEVEL	215.581	215.708	215.706	215 593	215.483	215.589	215.483	215.593	215.817	215.847	215.848	
<u> </u>	EXISTING SURFACE LEVEL	215.491	215.532	215.534	215 690	215.713	215.832	215.951	215.973	216.079	216.139	216.141	
	OFFSET	-8.870	-7.850	-7.800	0088-	-3.200	0.000	3.200	3.800	009.9	8.100	8.150	

	Scale				
		H 1:100 SCALE @ A1	0	1	
14/03/25		V 1:50	0	0.5	
28/10/24					
17/07/24					
26/04/24					
23/12/23					



CH 397.07



benefit of and use by the client in accordance with the terms of the

responsibility or liability whatsoever to any third party arising out of

any use or reliance by third party on the content of this document.

retainer. Spiire Australia Pty Ltd does not and shall not assume any



spiire.com.au



**DATUM R.L.222.0** 

SURFACE LEVEL

SURFACE LEVEL

DATUM R.L.220.0

SURFACE LEVEL

SURFACE LEVEL

CEREMONY ROAD

DESIGN

EXISTING

OFFSET

CEREMONY ROAD

DESIGN

EXISTING

OFFSET

H.HOG Authorised VICTORIA 8007 AUSTRALIA T 61 3 9993 7888 J.POY ABN 55 050 029 635



Checked J.POYNER
Date APRIL 2024

REDSTONE ESTATE STAGE 16 **ROAD AND DRAINAGE** HUME CITY COUNCIL

CONSTRUCTION 310066CR406

DRIVEWAY & RETAINING WALL AMENDMENTS FOR LOTS 1621/1622 & 1631/1632 M.R 0 ISSUED FOR CONSTRUCTION M.R CEREMONY ROAD CHANGED TO TWO WAY CROSSFALL M.T-S SECTIONS AMENDED, BATTERS ADDED M.T-S B CROSS SECTIONS AMENDED M.T-S A ISSUED TO COUNCIL M.T-S 22/12/22 Approved Date Rev | Amendments

KINDRED CIRCUIT

1 in 50

-8.260 -8.150 -8.100 -6.600

**Redstone**。 Your world awaits

16.00m ROAD RESERVE

7.30m CARRIAGEWAY

1 in 30

CH 48.90

CH 18.20

223.465 223.467

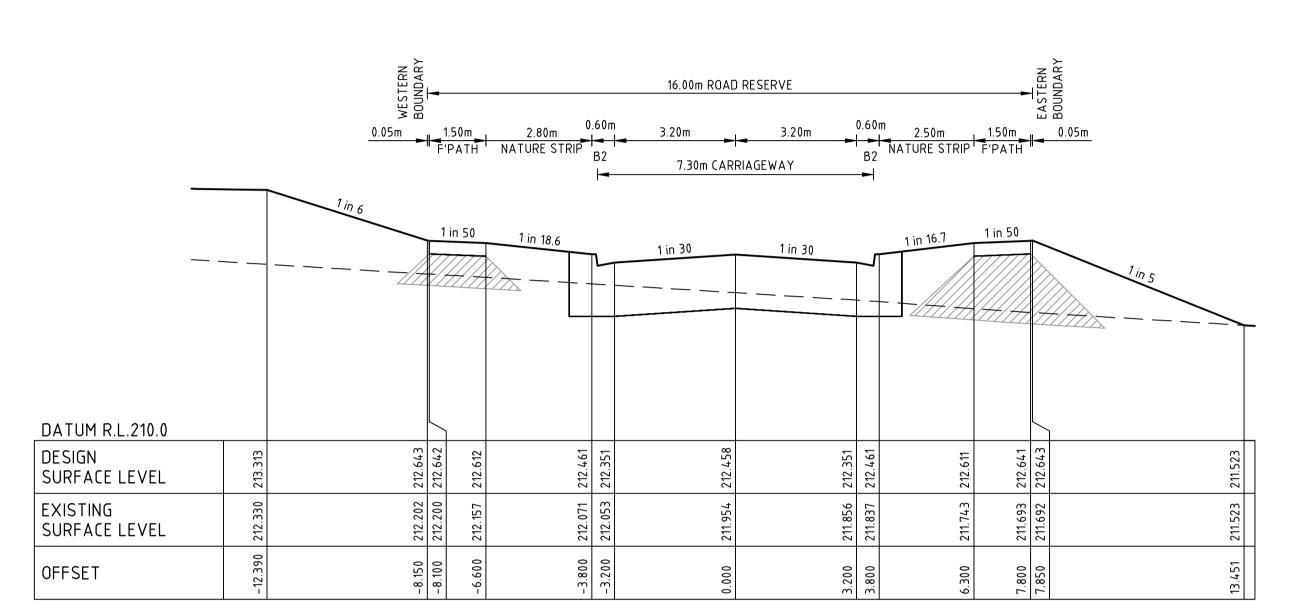
7.800

1 in 30 1 in 50

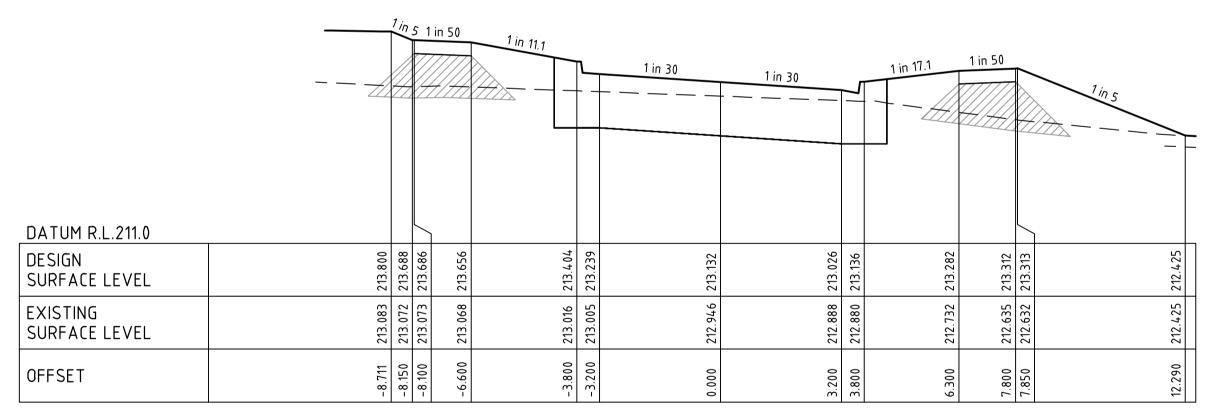
1 in 30

**ROAD CROSS SECTIONS - SHEET 7** VILLAWOOD PROPERTIES

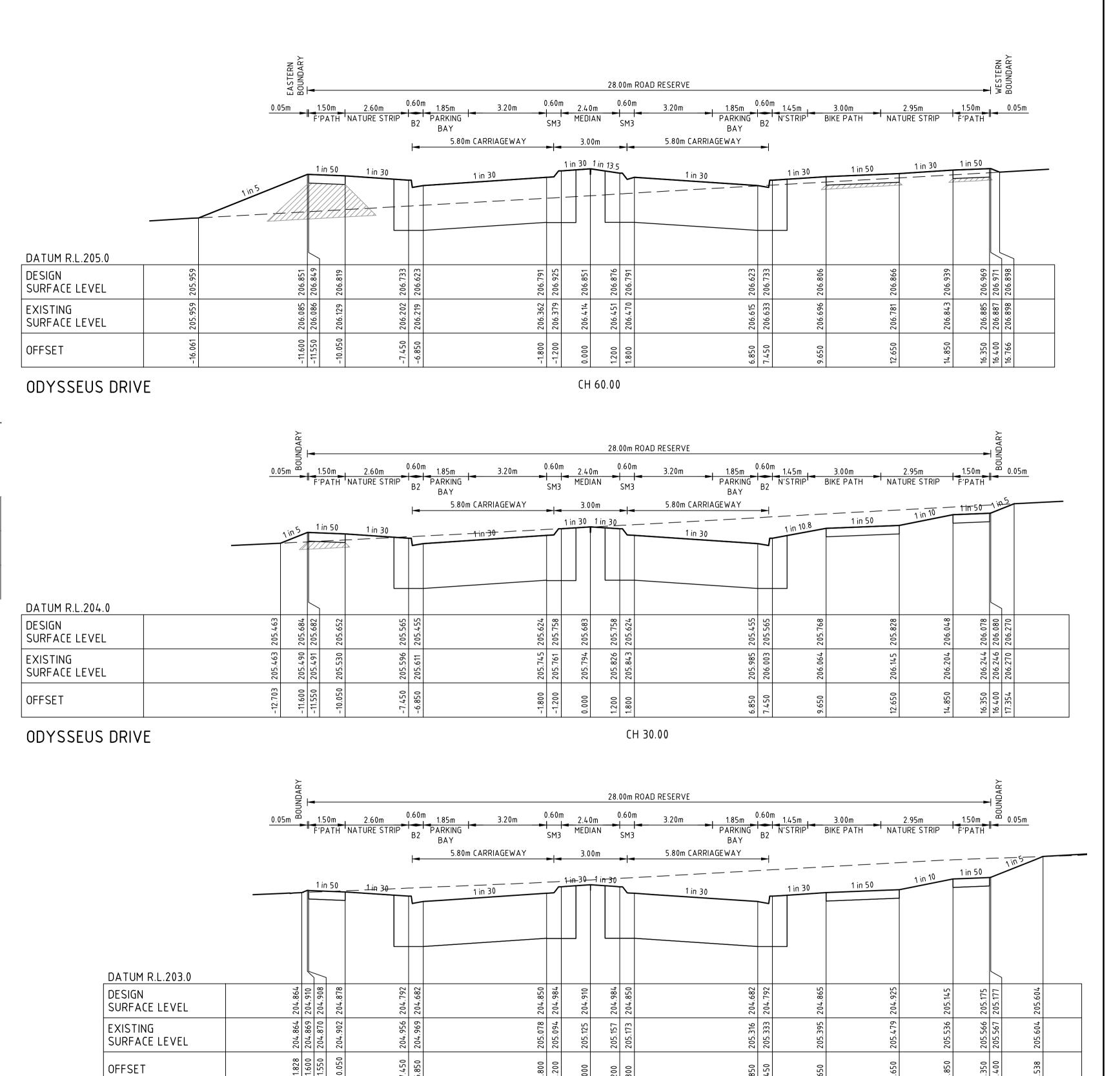
 $\mid$ ALL FILLING WITHIN ROAD RESERVES IS TO BE UNDERTAKEN USING LEVEL 1 SUPERVISION AND BE COMPLETED IN ACCORDANCE WITH AS 3798-2007. AND TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND REPLACED WITH TOPSOIL (WHERE REQUIRED) TO OBTAIN THE FINAL LEVELS SHOWN ON THE DRAWINGS. FILLING UNDERNEATH FOOTPATH TO BE CLASS 3 CRUSHED ROCK IN ACCORDANCE WITH COUNCIL STANDARDS.

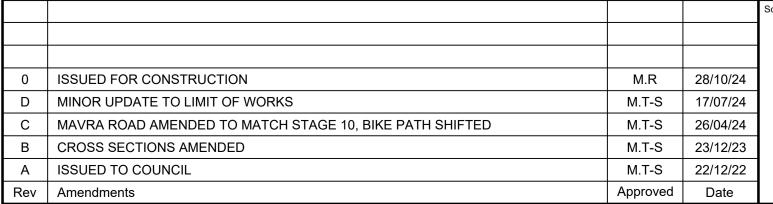


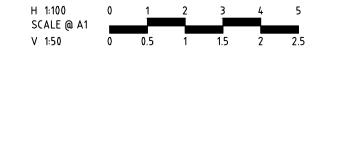
CH 37.60 MARVA ROAD



MARVA ROAD CH 13.10









any use or reliance by third party on the content of this document.



ABN 55 050 029 635

MARINIS DRIVE

spiire.com.au



Redstone. Your world awaits

CH -2.30

**REDSTONE ESTATE** STAGE 16 **ROAD AND DRAINAGE ROAD CROSS SECTIONS - SHEET 8 HUME CITY COUNCIL** VILLAWOOD PROPERTIES

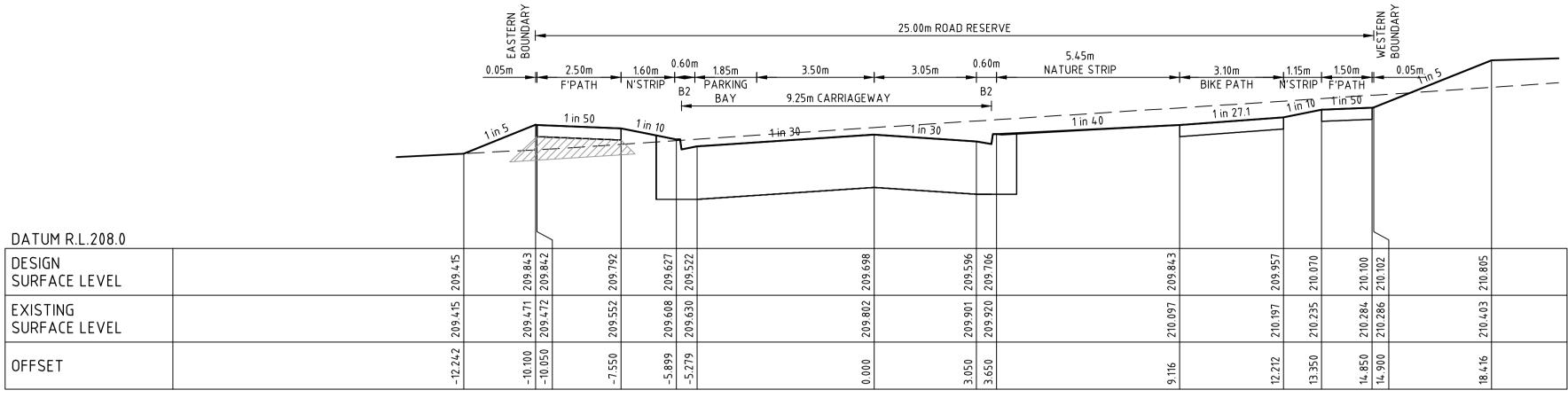
CONSTRUCTION 310066CR407

This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of

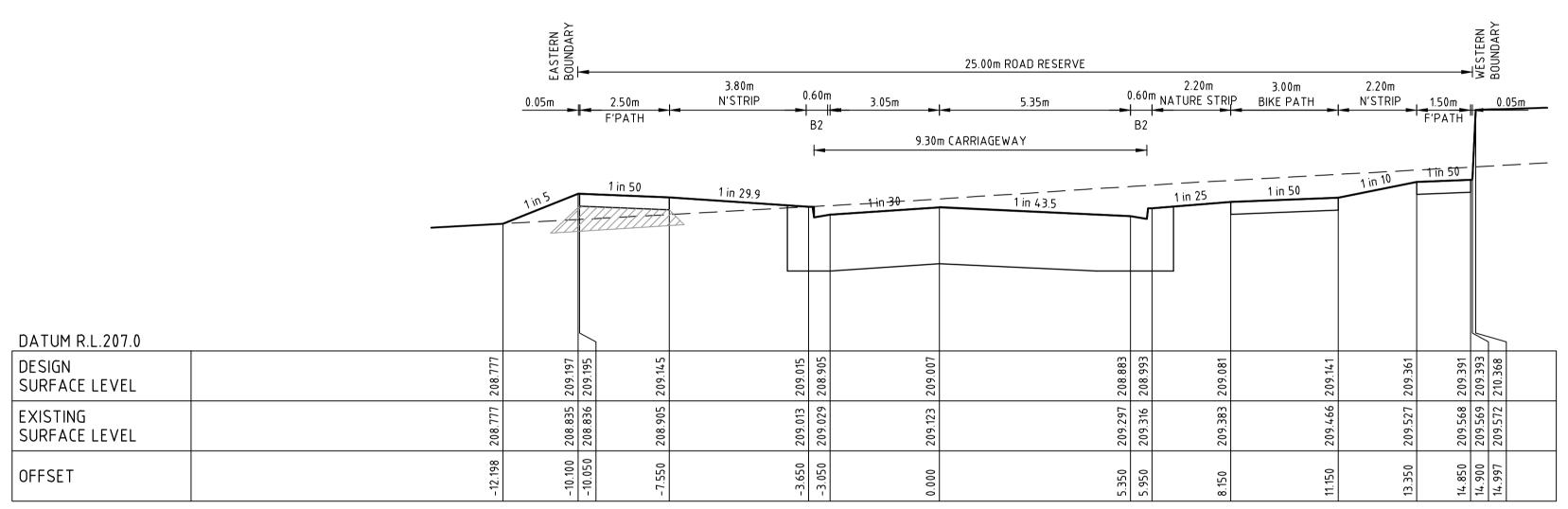
Checked H.HOGGARD J.POYNER Authorised J.POYNER **APRIL 2024** 



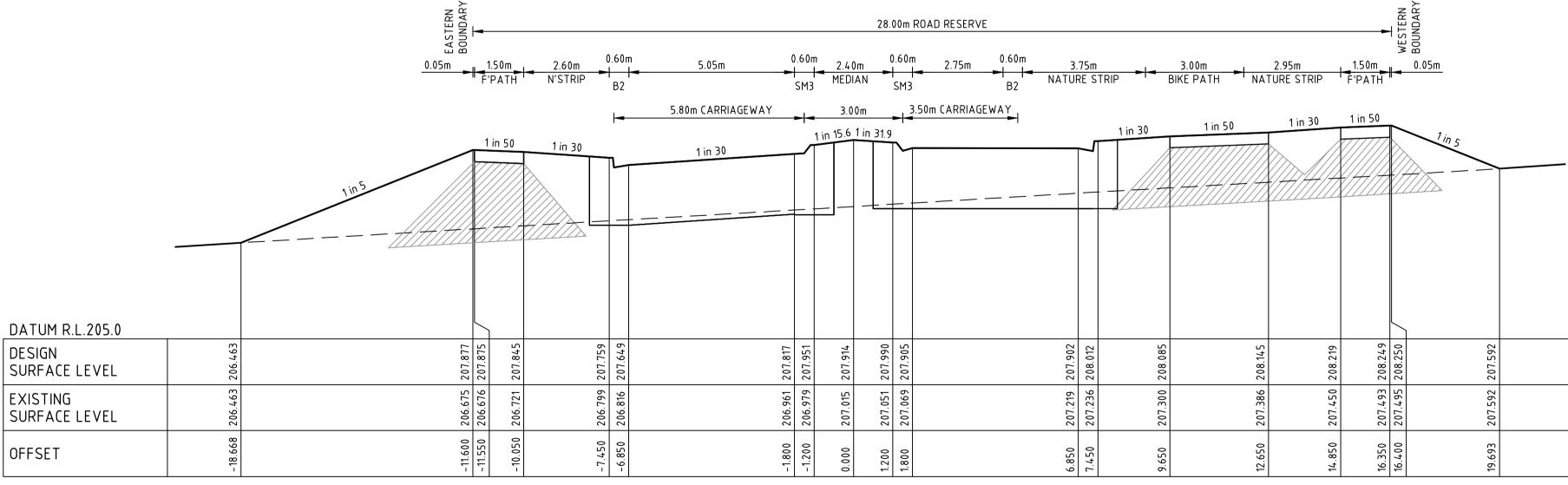
ALL FILLING WITHIN ROAD RESERVES IS TO BE UNDERTAKEN USING LEVEL 1 SUPERVISION AND BE COMPLETED IN ACCORDANCE WITH AS 3798-2007 AND TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL FILLED AND REPLACED WITH TOPSOIL (WHERE REQUIRED) TO OBTAIN THE FINAL LEVELS SHOWN ON THE DRAWINGS. FILLING UNDERNEATH FOOTPATH TO BE CLASS 3 CRUSHED ROCK IN ACCORDANCE WITH COUNCIL STANDARDS.



TOMAHAWK DRIVE CH 199.03

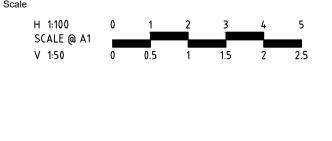


CH 177.50 TOMAHAWK DRIVE



CH 86.77 ODYSSEUS DRIVE

<u></u>					
ACAD					Sca
/					1
6/CI					1
\310066\Livil\					1
31/3	0	ISSUED FOR CONSTRUCTION	M.R	28/10/24	1
; ;	С	BIKE PATH SHIFTED	M.T-S	24/04/24	
tion	В	CROSS SECTIONS AMENDED	M.T-S	23/12/23	
location	Α	ISSUED TO COUNCIL	M.T-S	22/12/22	
e II		Amendments	Approved	Date	





© Spiire Australia Pty Ltd All Rights Reserved This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the L6 414 LA TROBE STREET PO BOX 16084 MELBOURNE retainer. Spiire Australia Pty Ltd does not and shall not assume any VICTORIA 8007 AUSTRALIA T 61 3 9993 7888 responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document. spiire.com.au ABN 55 050 029 635



\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	011 4 (50.0			
VII	properties			
Communities Designed for Living				
Designed				

Authorised

Your world awaits Checked H.HOGGARD J.POYNER J.POYNER APRIL 2024

**Redstone**。

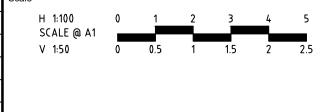
**REDSTONE ESTATE** STAGE 16 ROAD AND DRAINAGE **ROAD CROSS SECTIONS - SHEET 9** HUME CITY COUNCIL VILLAWOOD PROPERTIES

FILLING NOTE ALL FILLING WITHIN ROAD RESERVES IS TO BE UNDERTAKEN USING LEVEL 1 SUPERVISION AND BE COMPLETED IN ACCORDANCE WITH AS 3798-2007 AND TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT, FILL AREAS ARE TO BE STRIPPED OF TOPSOIL. FILLED AND REPLACED WITH TOPSOIL (WHERE REQUIRED) TO OBTAIN THE FINAL LEVELS SHOWN ON THE DRAWINGS. FILLING UNDERNEATH FOOTPATH TO BE CLASS 3 CRUSHED ROCK IN ACCORDANCE WITH COUNCIL STANDARDS. STRUCTURAL FILL IN ACCORDANCE 25.00m ROAD RESERVE (REFER TO FILLING NOTE) 25.00m ROAD RESERVE NATURE STRIP

1.50m

F'PATH F'PATH 9.30m CARRIAGEWAY 9.20m CARRIAGEWAY 1 in 19.5 1 in 50 1 in 40 1 in 30 1 in 100 1 in 25 1 in 30 DATUM R.L.211.0 **DATUM R.L.217.0** DESIGN SURFACE LEVEL SURFACE LEVEL 220.217 2 220.219 2 220.223 2 EXISTING EXISTING SURFACE LEVEL SURFACE LEVEL OFFSET OFFSET 6 6 6 CH 279.77 TOMAHAWK DRIVE TOMAHAWK DRIVE CH 421.56 <u> 1in-30— — — — 1in-25— — 1in 50.6 -</u> 1 in 47.5 1 in 50 1 in 30 **DATUM R.L.210.0 DATUM R.L.213.0** DESIGN SURFACE LEVEL SURFACE LEVEL EXISTING EXISTING 215.76 215.77 215.77 215.2 SURFACE LEVEL SURFACE LEVEL OFFSET OFFSET CH 254.47 TOMAHAWK DRIVE CH 330.56 TOMAHAWK DRIVE 1 in 85.3 **DATUM R.L.212.0 DATUM R.L.209.0** DESIGN 214.944 214.625 214.946 214.627 214.948 215.386 DESIGN SURFACE LEVEL SURFACE LEVEL EXISTING EXISTING SURFACE LEVEL SURFACE LEVEL .900 .900 OFFSET OFFSET TOMAHAWK DRIVE CH 310.08 TOMAHAWK DRIVE CH 230.07 **REDSTONE ESTATE Redstone**。

ISSUED FOR CONSTRUCTION 28/10/24 M.T-S 26/04/24 BIKE PATH SHIFTED B CROSS SECTIONS AMENDED M.T-S 23/12/23 A ISSUED TO COUNCIL 22/12/22 Approved Date Rev | Amendments





© Spiire Australia Pty Ltd All Rights Reserved This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document. spiire.com.au ABN 55 050 029 635





Authorised

J.POYNER

	1000010110
	Your world awaits
Checked	
J.POY	NER

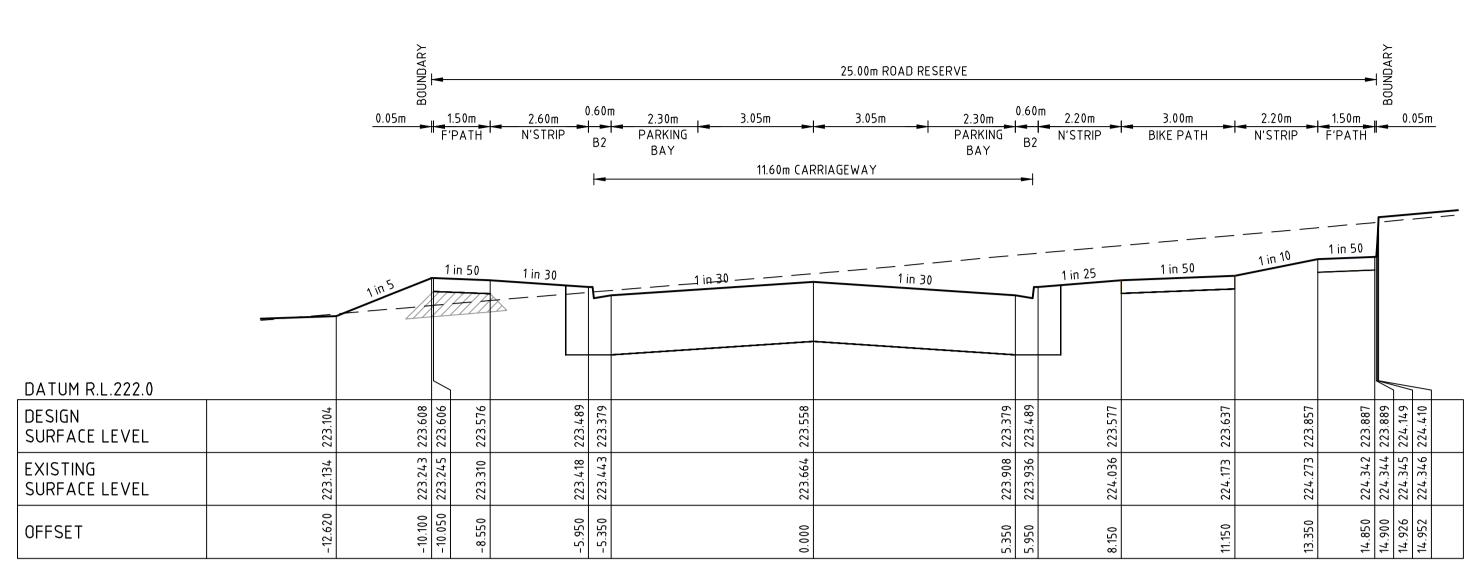
APRIL 2024

STAGE 16 **ROAD AND DRAINAGE ROAD CROSS SECTIONS - SHEET 10** HUME CITY COUNCIL VILLAWOOD PROPERTIES

STRUCTURAL FILL IN ACCORDANCE (REFER TO FILLING NOTE)

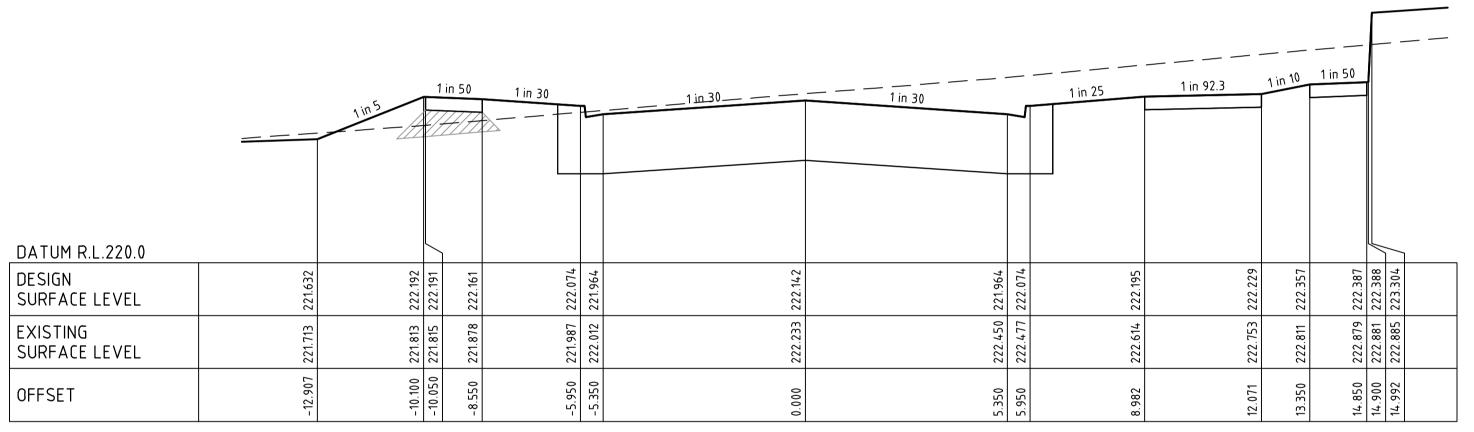
FILLING NOTE

ALL FILLING WITHIN ROAD RESERVES IS TO BE UNDERTAKEN USING LEVEL 1 SUPERVISION AND BE COMPLETED IN ACCORDANCE WITH AS 3798-2007 AND TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND REPLACED WITH TOPSOIL (WHERE REQUIRED) TO OBTAIN THE FINAL LEVELS SHOWN ON THE DRAWINGS. FILLING UNDERNEATH FOOTPATH TO BE CLASS 3 CRUSHED ROCK IN ACCORDANCE WITH COUNCIL STANDARDS.



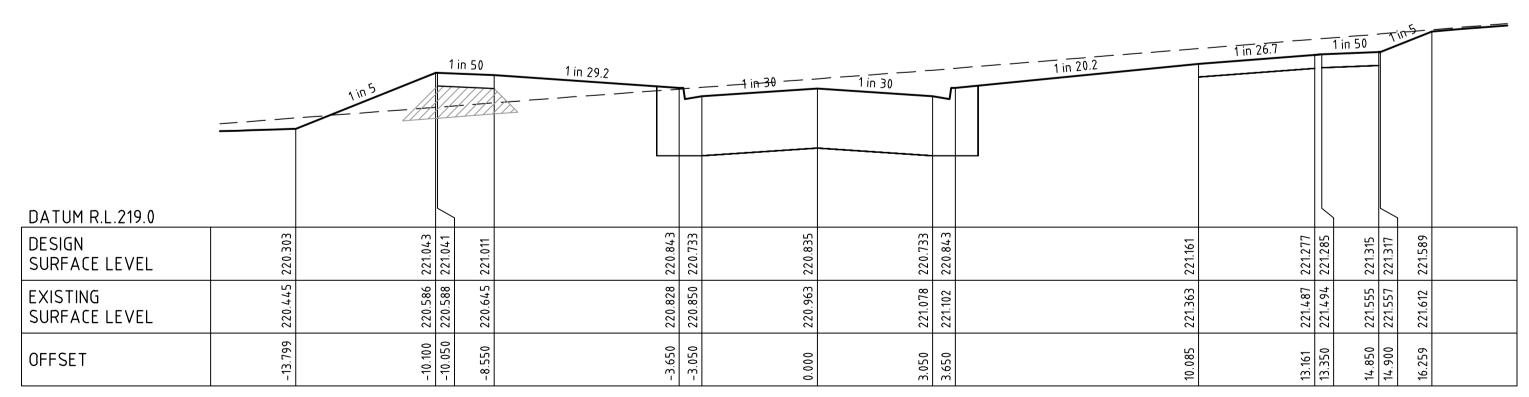
TOMAHAWK DRIVE

CH 506.47



TOMAHAWK DRIVE

CH 478.07



TOMAHAWK DRIVE

CH 450.52

spiire.com.au

اد					
7.7					Sca
VII \					
0 1					1
1000					
() (	0	ISSUED FOR CONSTRUCTION	M.R	28/10/24	
5	C	BIKE PATH SHIFTED	M.T-S	26/04/24	
1011	В	CROSS SECTIONS AMENDED	M.T-S	23/12/23	
וטרפ	Α	ISSUED TO COUNCIL	M.T-S	22/12/22	
שַ	Rev	Amendments	Approved	Date	1

Oodio								
	H 1:100 SCALE @ A1	0	1	2	3	4	5	
	V 1:50	0	0.5	1	1.5	2	2.5	



System Certified
© Spiire Australia Pty Ltd All Rights Reserved This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.



ABN 55 050 029 635

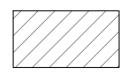
VI	CWOC properties
Communit	ies Designed for Living

Communities Designed for Living					
Designed	Checked				
H.HOGGARD	J.POYNER				
Authorised	Date				
J.POYNER	APRIL 2024				
	H.HOGGARD Authorised				

**Redstone**。

Your world awaits

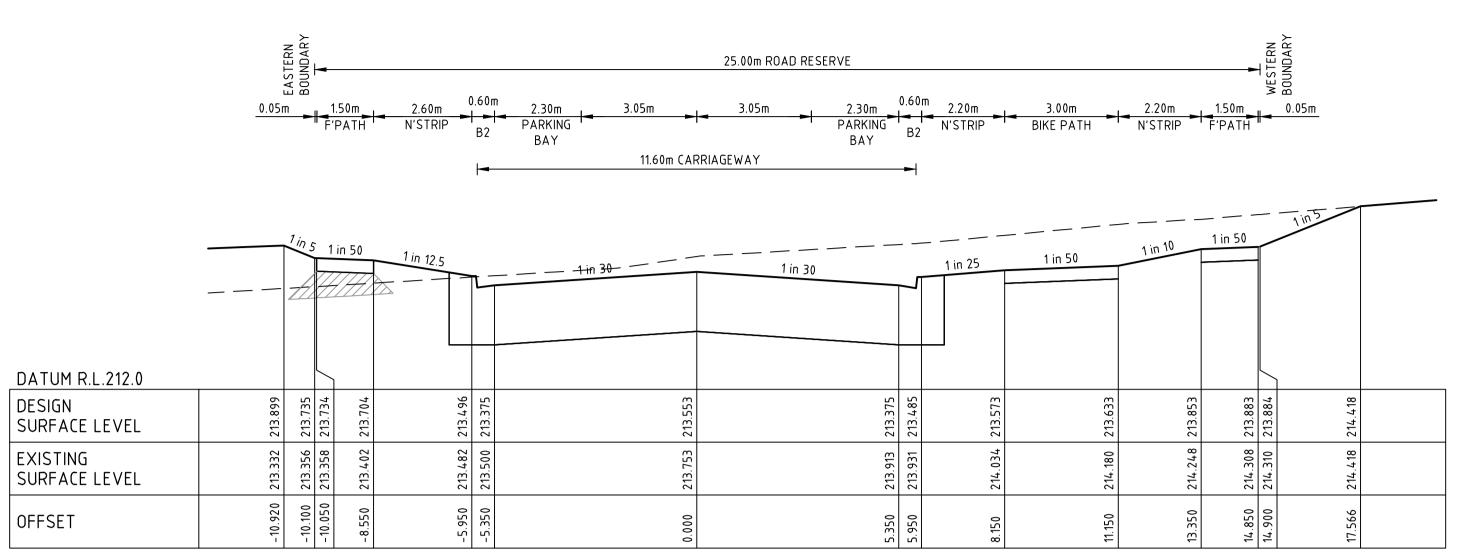
REDSTONE ESTATE
STAGE 16
ROAD AND DRAINAGE
<b>ROAD CROSS SECTIONS - SHEET 1</b>
HUME CITY COUNCIL
VILLAWOOD PROPERTIES



STRUCTURAL FILL IN ACCORDANCE (REFER TO FILLING NOTE)

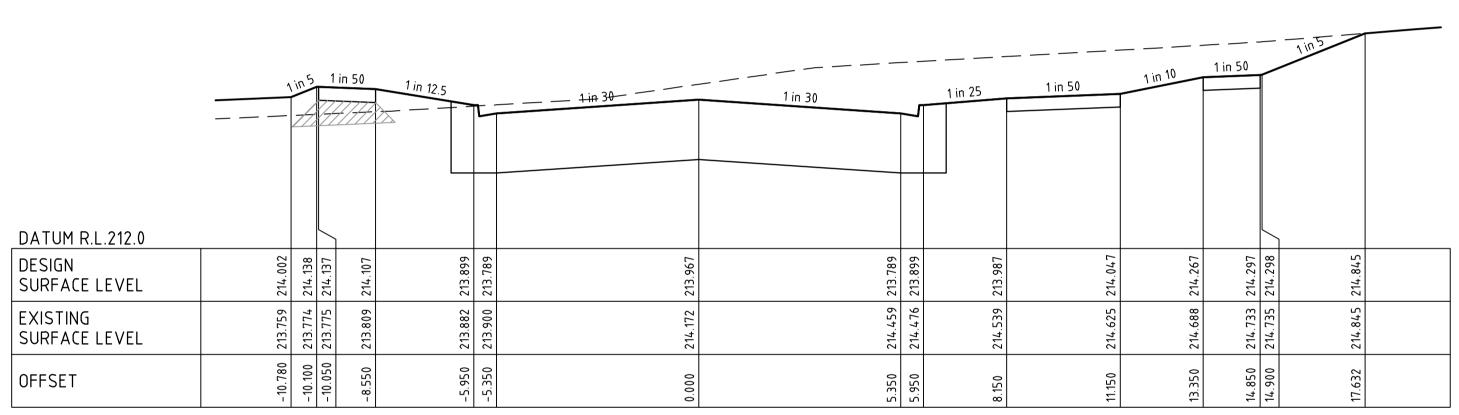
#### FILLING NOTE

ALL FILLING WITHIN ROAD RESERVES IS TO BE UNDERTAKEN USING LEVEL 1 SUPERVISION AND BE COMPLETED IN ACCORDANCE WITH AS 3798-2007 AND TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND REPLACED WITH TOPSOIL (WHERE REQUIRED) TO OBTAIN THE FINAL LEVELS SHOWN ON THE DRAWINGS. FILLING UNDERNEATH FOOTPATH TO BE CLASS 3 CRUSHED ROCK IN ACCORDANCE WITH COUNCIL STANDARDS.



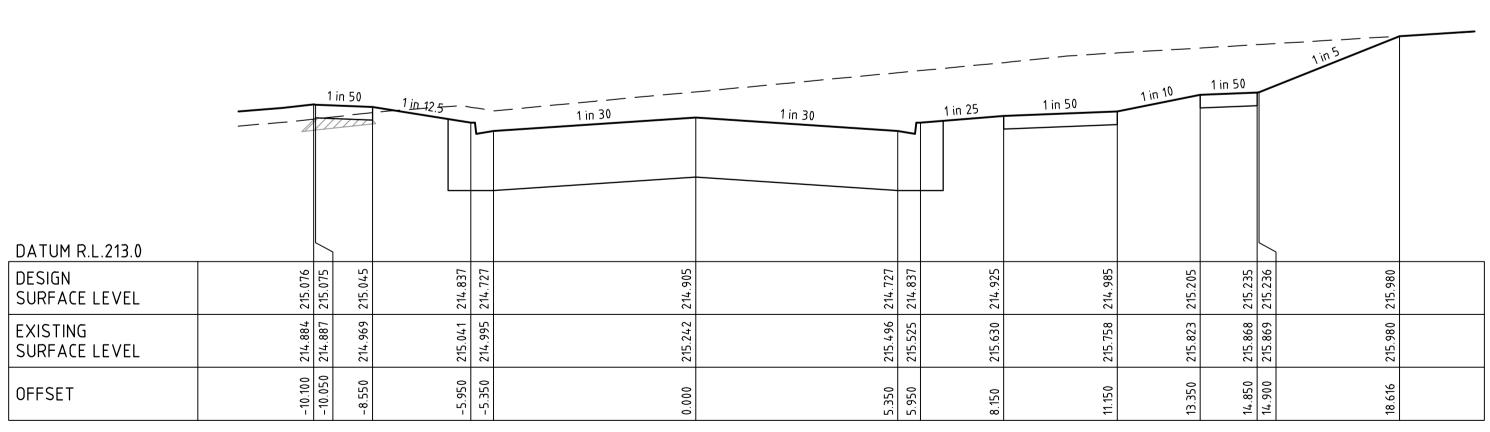
REDSTONE HILL ROAD

CH 43.24



REDSTONE HILL ROAD

CH 30.00



REDSTONE HILL ROAD

CH 0.00

spiire.com.au

ACAI					s
					1
6\c					1
310066\Civil					1
31/3	0	ISSUED FOR CONSTRUCTION	M.R	28/10/24	1
اق	С	BIKE PATH SHIFTED	M.T-S	26/04/24	
ation	В	CROSS SECTIONS AMENDED	M.T-S	23/12/23	1
loca	Α	ISSUED TO COUNCIL	M.T-S	22/12/22	
ile	Rev	Amendments	Approved	Date	1

Scale							
H 1:100 SCALE @ A1 V 1:50	0	0.5	2	3 1.5	2	5 2.5	



System Certified
© Spiire Australia Pty Ltd All Rights Reserved This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.



ABN 55 050 029 635

VI	GWOC properties
Communit	ies Designed for Living

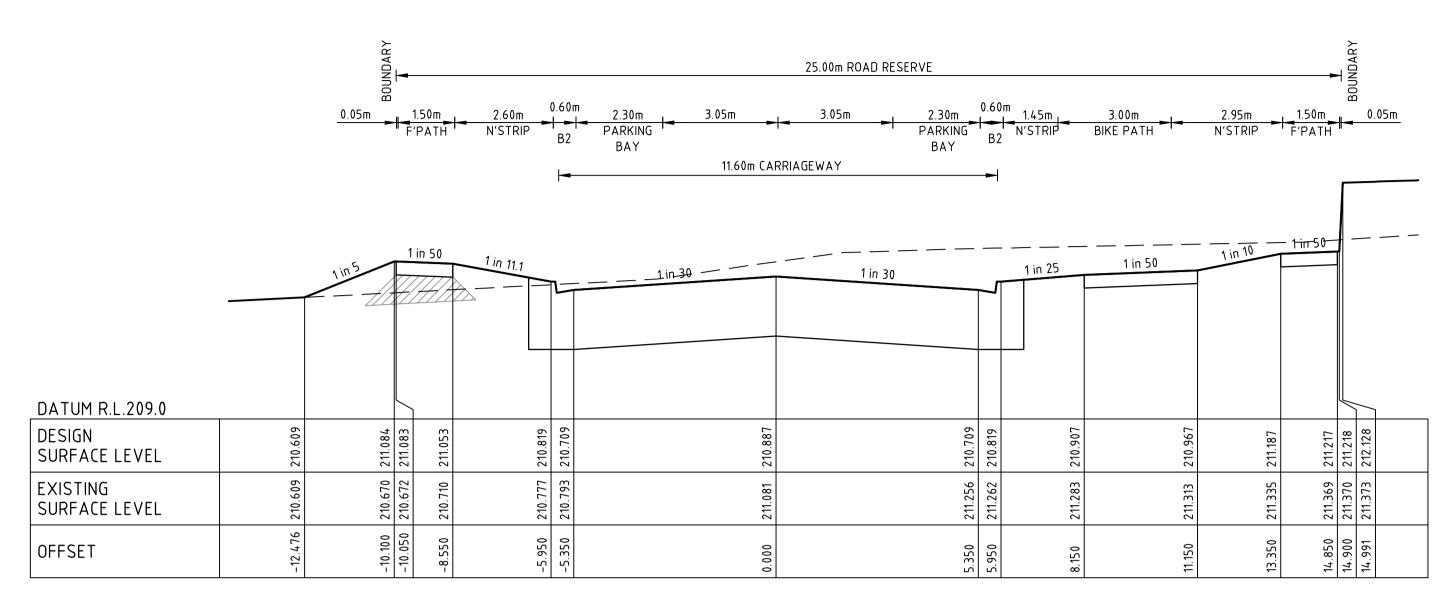
properties	Your world awaits
Communities Designed for Living	
Designed	Checked
H.HOGGARD	J.POYNER
Authorised	Date
J.POYNER	APRIL 2024

**Redstone**。

REDSTONE ESTATE
STAGE 16
ROAD AND DRAINAGE
<b>ROAD CROSS SECTIONS - SHEET 1</b>
HUME CITY COUNCIL
VILLAWOOD PROPERTIES

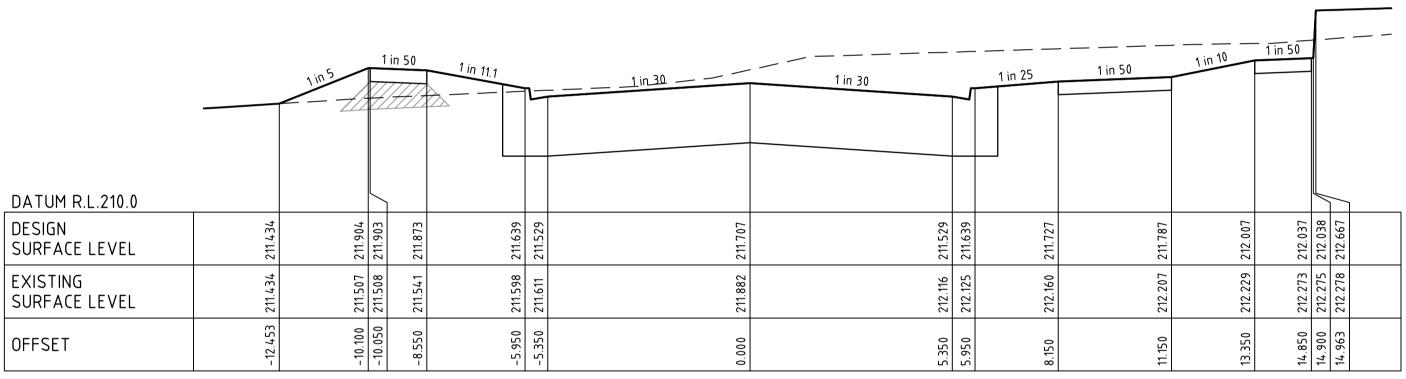
STRUCTURAL FILL IN ACCORDANCE (REFER TO FILLING NOTE)

ALL FILLING WITHIN ROAD RESERVES IS TO BE UNDERTAKEN USING LEVEL 1 SUPERVISION AND BE COMPLETED IN ACCORDANCE WITH AS 3798-2007 AND TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND REPLACED WITH TOPSOIL (WHERE REQUIRED) TO OBTAIN THE FINAL LEVELS SHOWN ON THE DRAWINGS. FILLING UNDERNEATH FOOTPATH TO BE CLASS 3 CRUSHED ROCK IN ACCORDANCE WITH COUNCIL STANDARDS.



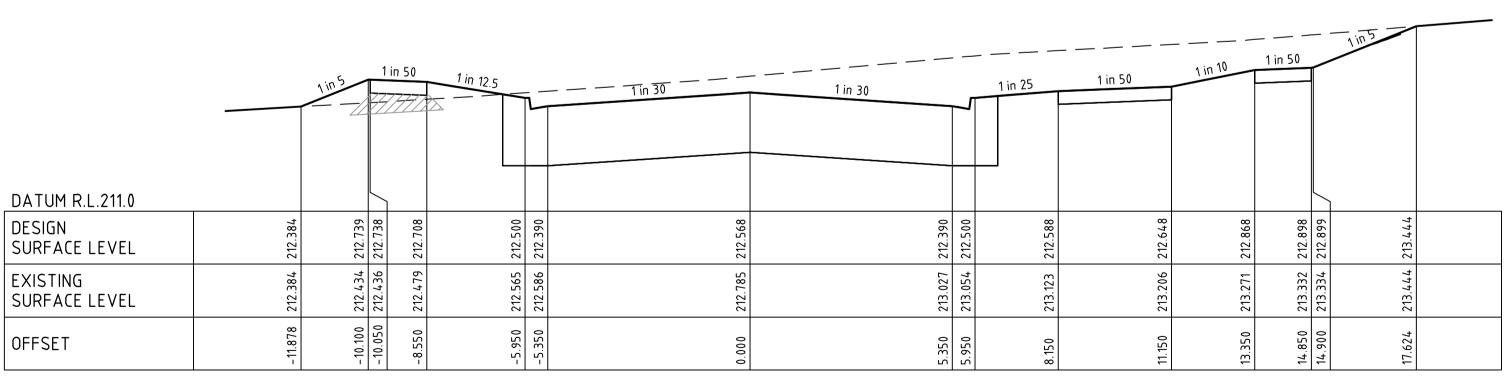
REDSTONE HILL ROAD

CH 133.84



REDSTONE HILL ROAD

CH 106.92



REDSTONE HILL ROAD

CH 74.76

spiire.com.au

AD				
ACA				
layo vil				
wg 6\Ci				
00.d 1006				
CR4	0	ISSUED FOR CONSTRUCTION	M.R	28/10/24
) 	С	BIKE PATH SHIFTED	M.T-S	26/04/24
e 31 tion	В	CROSS SECTIONS AMENDED	M.T-S	23/12/23
name 310066CR400.dwg layout location G:\31\310066\Civil\AC	Α	ISSUED TO COUNCIL	M.T-S	22/12/22
file file	Rev	Amendments	Approved	Date

SCALE @ A1



© Spiire Australia Pty Ltd All Rights Reserved This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.



ABN 55 050 029 635



Checked H.HOGGARD J.POYNER Authorised J.POYNER APRIL 2024

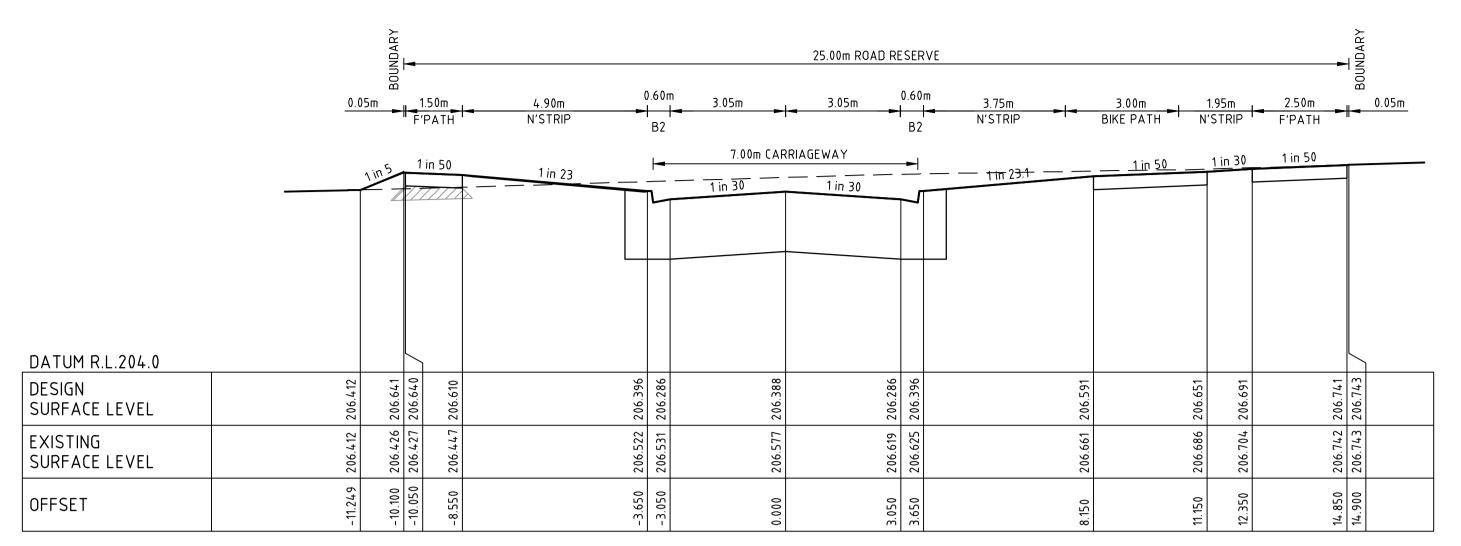
Redstone.

Your world awaits

**REDSTONE ESTATE** STAGE 16 ROAD AND DRAINAGE **ROAD CROSS SECTIONS - SHEET 13** HUME CITY COUNCIL VILLAWOOD PROPERTIES

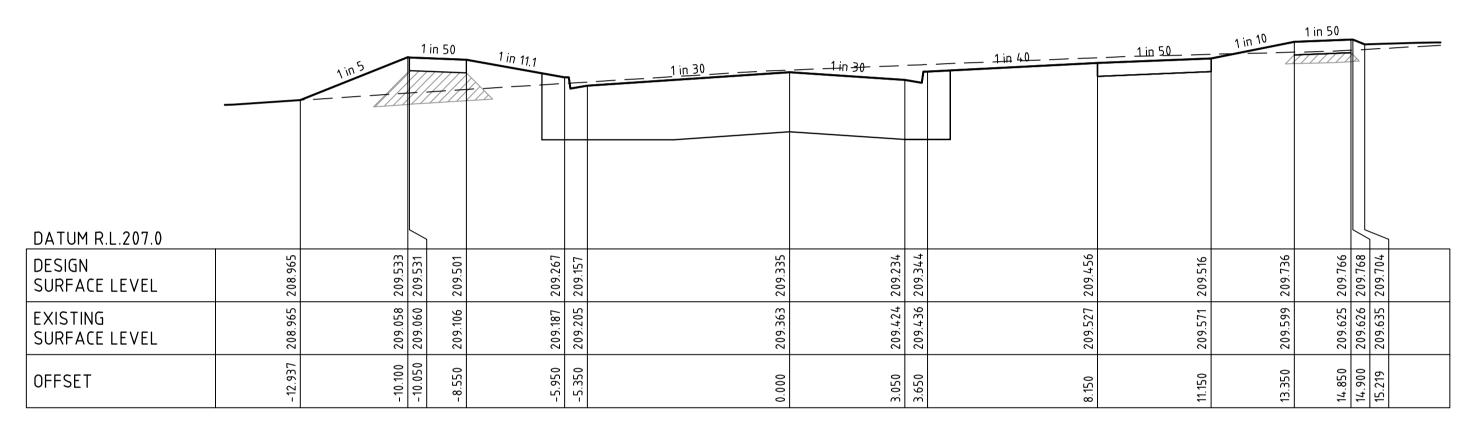


ALL FILLING WITHIN ROAD RESERVES IS TO BE UNDERTAKEN USING LEVEL 1 SUPERVISION AND BE COMPLETED IN ACCORDANCE WITH AS 3798-2007 AND TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND REPLACED WITH TOPSOIL (WHERE REQUIRED) TO OBTAIN THE FINAL LEVELS SHOWN ON THE DRAWINGS. FILLING UNDERNEATH FOOTPATH TO BE CLASS 3 CRUSHED ROCK IN ACCORDANCE WITH COUNCIL STANDARDS.



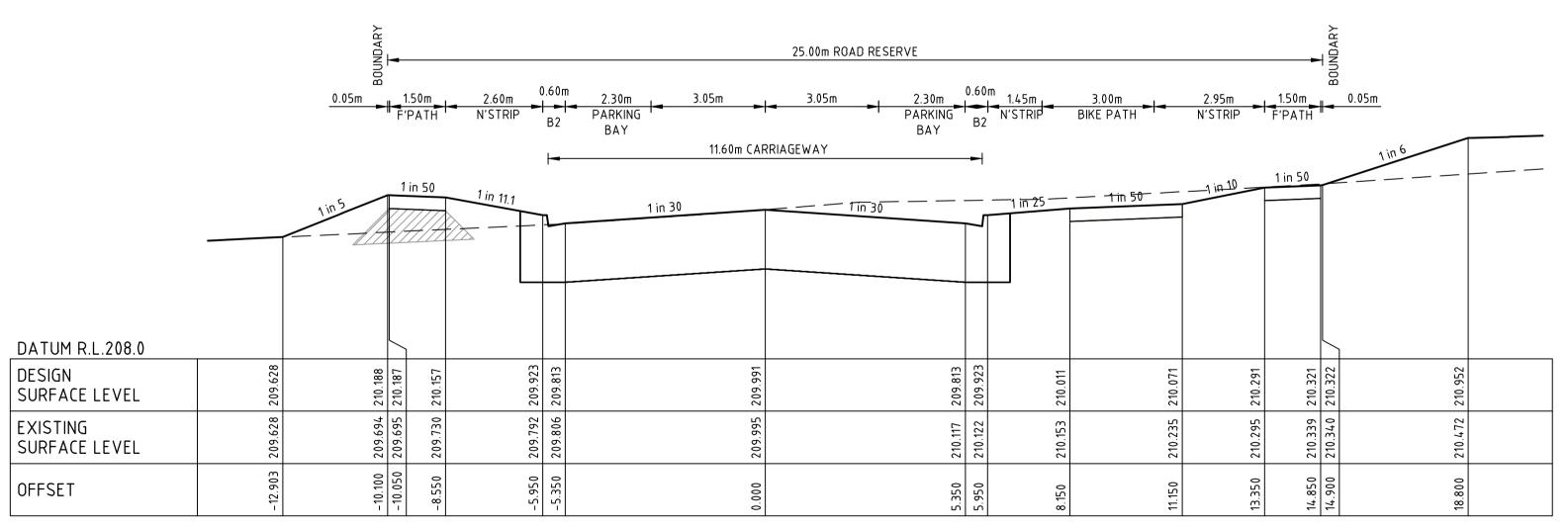
REDSTONE HILL ROAD

CH 274.44



REDSTONE HILL ROAD

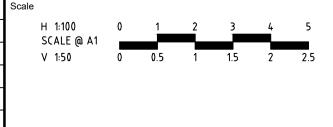
CH 182.33



REDSTONE HILL ROAD

CH 161.84

$\neg$					
ACAD					Sc
<u>/</u> [/					
6\Ci					
310066\Civil\					
31\3	0	ISSUED FOR CONSTRUCTION	M.R	28/10/24	
از)	С	BIKE PATH SHIFTED	M.T-S	26/04/24	
tion	В	CROSS SECTIONS AMENDED	M.T-S	23/12/23	
location	Α	ISSUED TO COUNCIL	M.T-S	22/12/22	
e l	Rev	Amendments	Approved	Date	l





System Certified
© Spiire Australia Pty Ltd All Rights Reserved This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.



spiire.com.au

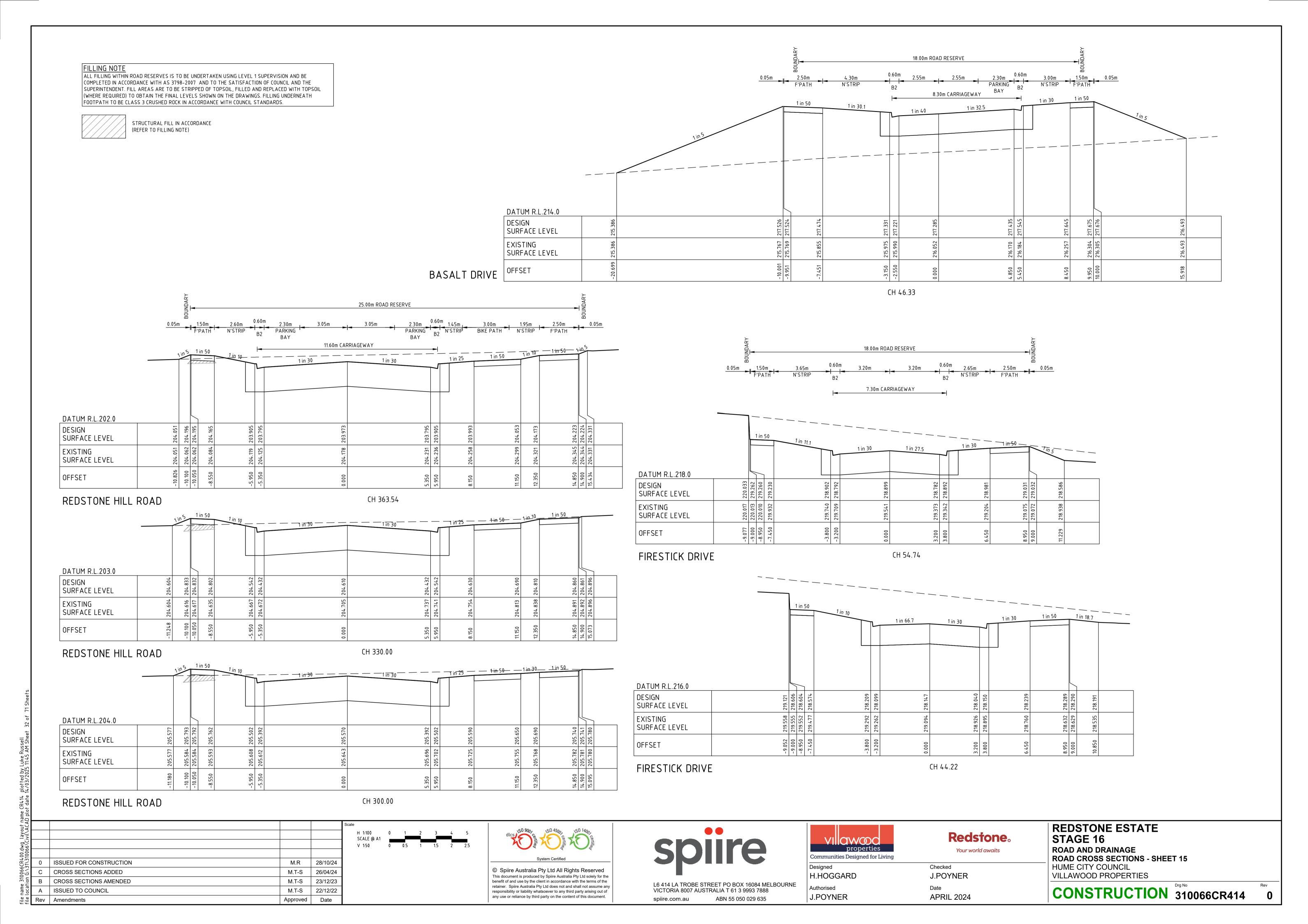
ABN 55 050 029 635

VIIOWOC properties Communities Designed for Living		
	VI	awood
	Communi	

properties	Your world awaits
Communities Designed for Living	
Designed	Checked
H.HOGGARD	J.POYNER
Authorised	Date
J.POYNER	APRIL 2024

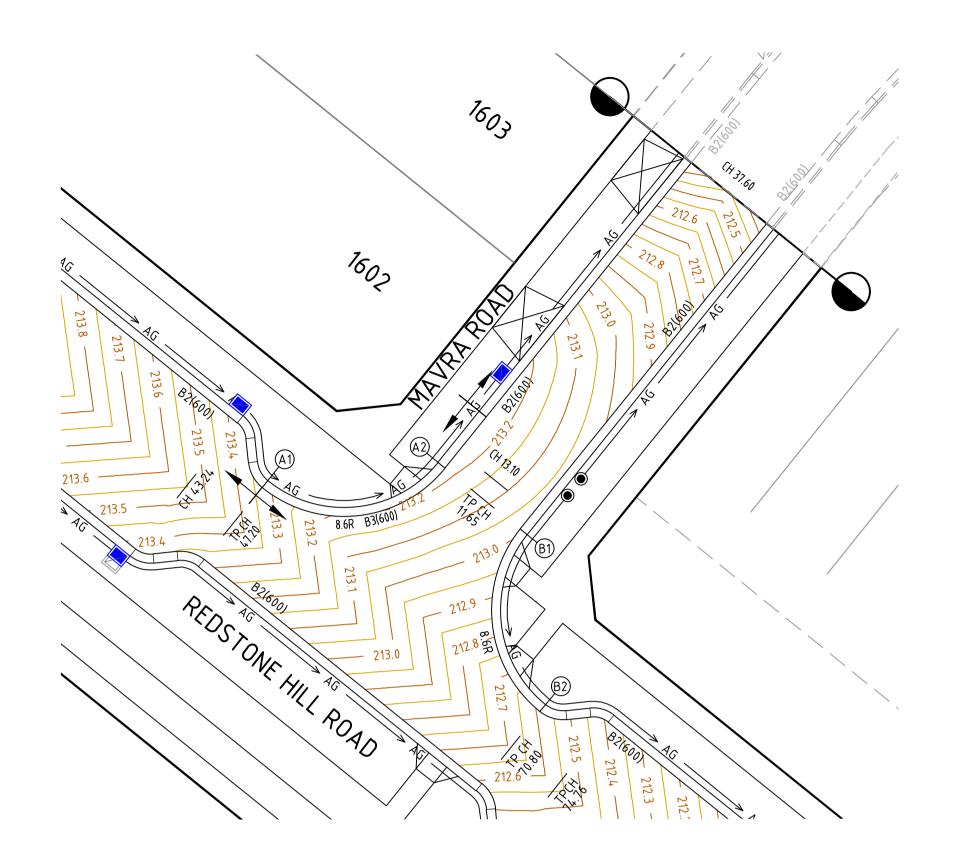
**Redstone**。

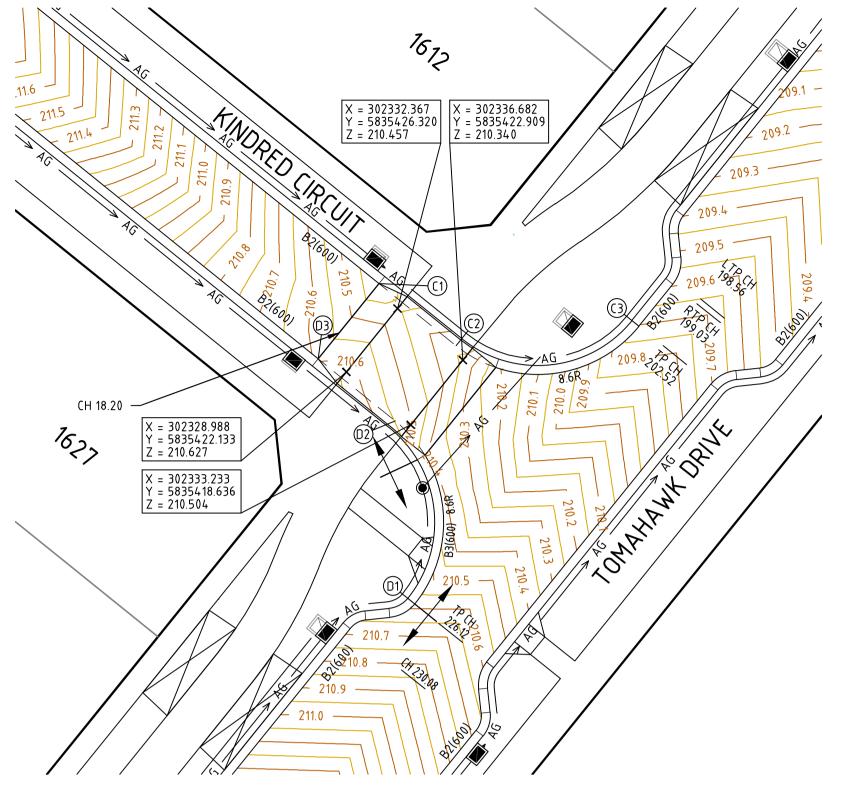
REDSTONE ESTATE STAGE 16
ROAD AND DRAINAGE
<b>ROAD CROSS SECTIONS - SHEET 1</b>
HUME CITY COUNCIL
VILLAWOOD PROPERTIES

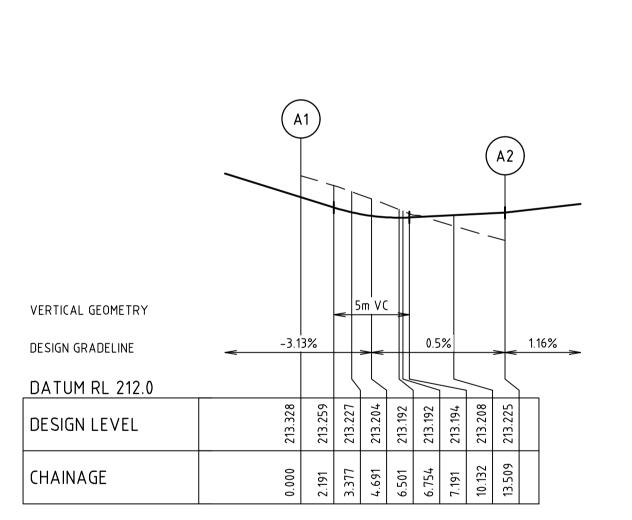


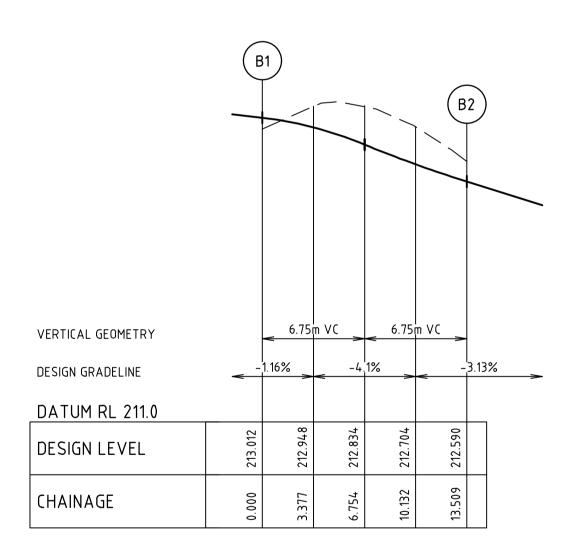


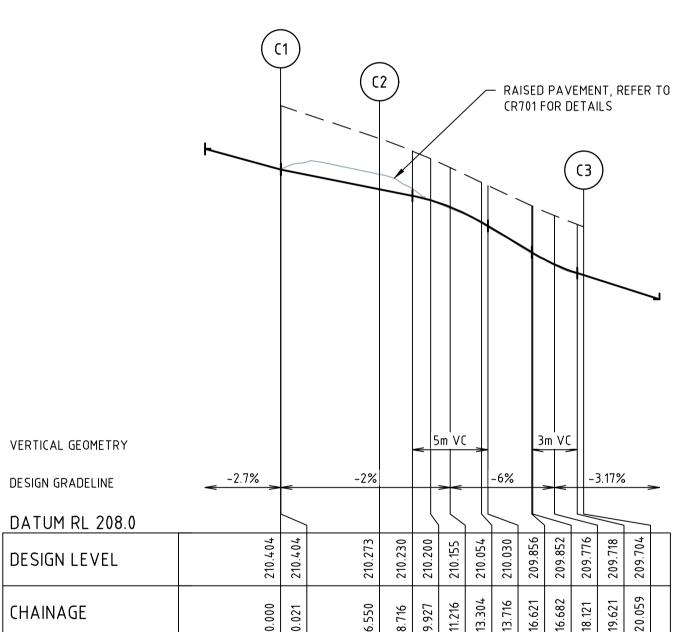
KERB RETURN SETOUT DETAIL

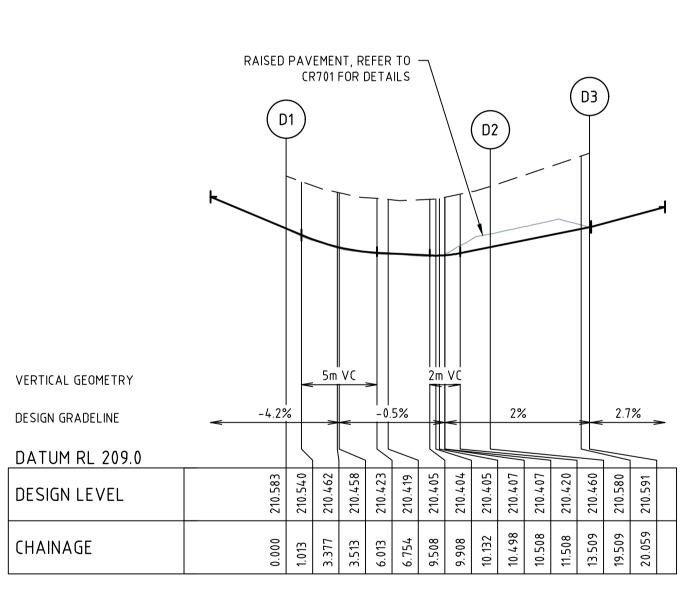












### ALIGNMENT A

ALIGNMENT A			
POINT NO A 1 1 / 4 1 / 2 3 / 4 A 2	E A S T I N G 3 0 2 2 5 7 . 4 5 5 3 0 2 2 6 0 . 4 2 7 3 0 2 2 6 3 . 7 6 9 3 0 2 2 6 6 . 9 7 2 3 0 2 2 6 9 . 5 4 9	N O R T H I N G 5 8 3 5 5 9 3 . 5 7 9 5 8 3 5 5 9 2 . 0 2 1 5 8 3 5 5 9 1 . 7 2 0 5 8 3 5 5 9 4 . 8 7 0	R L 2 1 3 . 3 2 8 2 1 3 . 2 2 7 2 1 3 . 1 9 2 2 1 3 . 2 0 8 2 1 3 . 2 2 5
C U R V E A 1 – A 2	RADIUS ARC 8.600 13.5		ID ORD QTR ORD .519 -0.655

ALIGNMENT E	3
-------------	---

ALIGNMENT B																		
POINT NO B1 1/4 1/2 3/4 B2	3 0 3 0 3 0	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	T I N ( 2 7 4 . 2 7 2 . 2 7 2 . 2 7 3 .	5 2 9 7 6 7 6 7	1 1		N O R 5 8 3 5 8 3 5 8 3 5 8 3	5 ! 5 ! 5 !	5 9 5 8 5 8 5 8	0 . 7 . 4 . 1 .	8 5 1 8 7 9 5 3 7 3 3 4		2 1 2 1 2 1	3 .   2 .   2 .	0 1 9 4 8 3 7 0 5 9	8 4 4		
C U R V E B 1 – B 2		ND 6 (	I U S 0 0			L 5 0				R D 1 6	2	M I 2 .	_		R D	-	Q T 0 .	0 R [ 5

#### ALIGNMENT C

ALIGNMENT	C		
POINT NO C 1 C 2 1 / 4 1 / 2 3 / 4 C 3	E A S T I N G 3 0 2 3 3 1 . 1 3 1 3 0 2 3 3 6 . 2 2 8 3 0 2 3 3 9 . 2 0 0 3 0 2 3 4 2 . 5 4 2 3 0 2 3 4 5 . 7 4 5 3 0 2 3 4 8 . 3 2 2	N O R T H I N G 5 8 3 5 4 2 7 . 9 7 3 5 8 3 5 4 2 3 . 8 6 0 5 8 3 5 4 2 2 . 3 0 2 5 8 3 5 4 2 2 . 0 0 1 5 8 3 5 4 2 3 . 0 0 1 5 8 3 5 4 2 5 . 1 5 1	R L 2 1 0 . 4 0 4 2 1 0 . 2 7 3 2 1 0 . 2 0 0 2 1 0 . 0 5 4 2 0 9 . 8 5 2 2 0 9 . 7 0 4
C U R V E C 2 – C 3	RADIUS ARC L 8.600 13.509	CHORD MID 12.162 2.5	ORD QTR ORD 19 -0.655

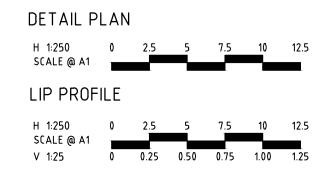
### ALIGNMENT D

Redstone.

Your world awaits

ALIGNMENT	D		
POINT NO D1 1/4 1/2 3/4 D2 D3	E A S T I N G 3 0 2 3 3 3 . 5 0 0 3 0 2 3 3 5 . 0 5 7 3 0 2 3 3 5 . 3 5 9 3 0 2 3 3 4 . 3 5 9 3 0 2 3 3 2 . 2 0 9 3 0 2 3 2 7 . 1 1 2	NORTHING 5835406.786 5835409.758 5835413.100 5835416.303 5835418.879 5835422.993	R L 2 1 0 . 5 9 7 2 1 0 . 4 7 0 2 1 0 . 4 1 9 2 1 0 . 4 0 5 2 1 0 . 4 6 0 2 1 0 . 5 9 1
C U R V E D 1 – D 2	RADIUS ARC L 8.600 13.509	CHORD MID 12.162 2.5	ORD QTR ORD 19 -0.655

				S
0	ISSUED FOR CONSTRUCTION	M.R	28/10/24	l
С	KERB RETURNS EXTENDED, RAISED PAVEMENT SETOUT ADDED	M.T-S	26/04/24	
В	MAVRA VERTICAL CURVE AMENDED	M.T-S	22/12/23	
Α	ISSUED TO COUNCIL	M.T-S	22/12/22	
Rev	Amendments	Approved	Date	





retainer. Spiire Australia Pty Ltd does not and shall not assume any

responsibility or liability whatsoever to any third party arising out of

any use or reliance by third party on the content of this document.

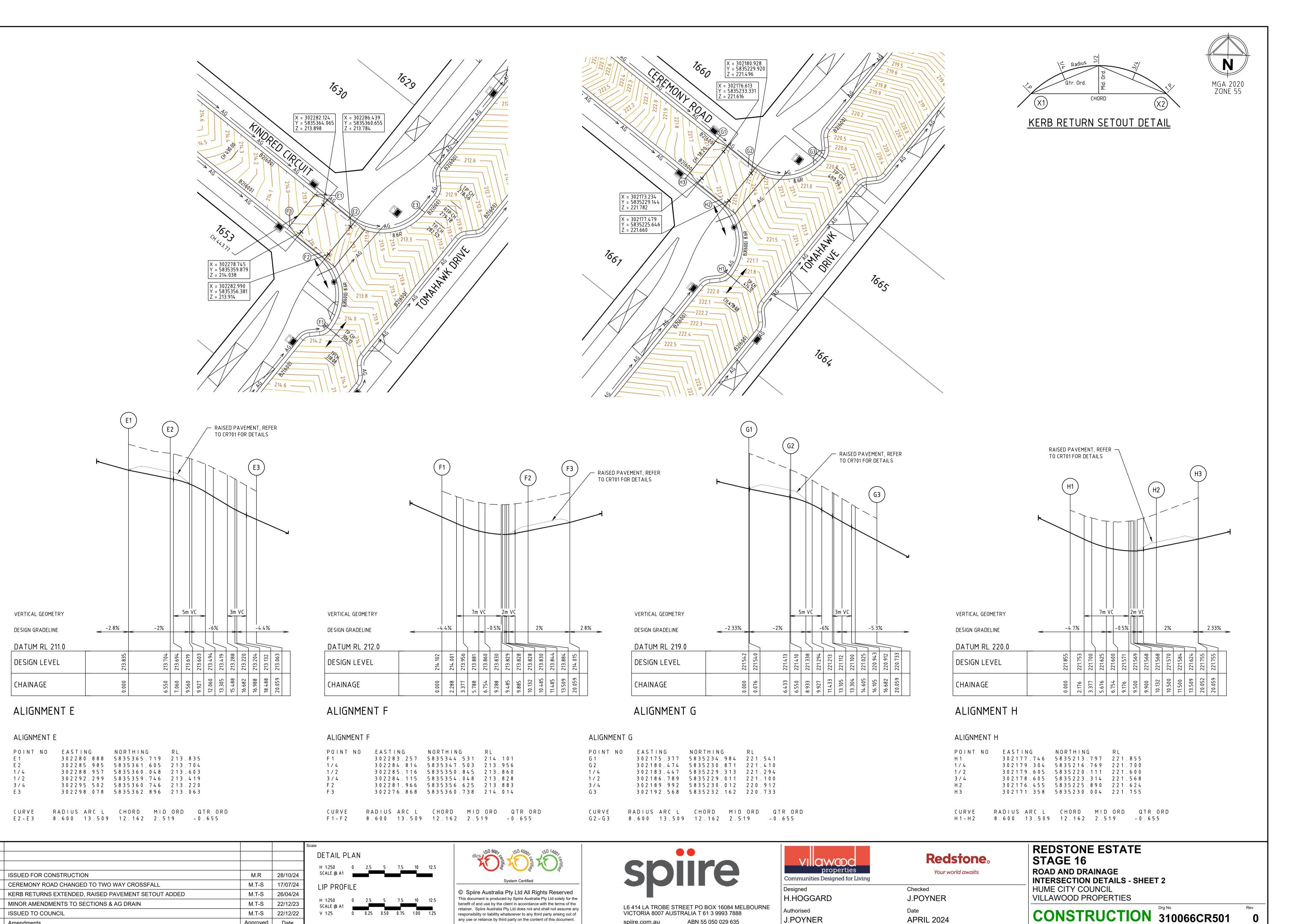


		Communities Design		
		Designed		
		H.HOGGARD		
	REET PO BOX 16084 MELBOURNE TRALIA T 61 3 9993 7888	Authorised		
spiire.com.au	ABN 55 050 029 635	J.POYNER		



gned for Living	
	Checked J.POYNER
	Date APRIL 2024

REDSTONE ESTATE STAGE 16
ROAD AND DRAINAGE
<b>INTERSECTION DETAILS - SHEET 1</b>
HUME CITY COUNCIL
VILLAWOOD PROPERTIES



VICTORIA 8007 AUSTRALIA T 61 3 9993 7888

spiire.com.au

ABN 55 050 029 635

Authorised

J.POYNER

APRIL 2024

retainer. Spiire Australia Pty Ltd does not and shall not assume any

responsibility or liability whatsoever to any third party arising out of

any use or reliance by third party on the content of this document.

VERTICAL GEOMETRY

DESIGN GRADELINE

DATUM RL 211.0

DESIGN LEVEL

CHAINAGE

ALIGNMENT E

1 / 4

1 / 2

3 / 4

E 3

A ISSUED TO COUNCIL

M.T-S

Approved

22/12/22

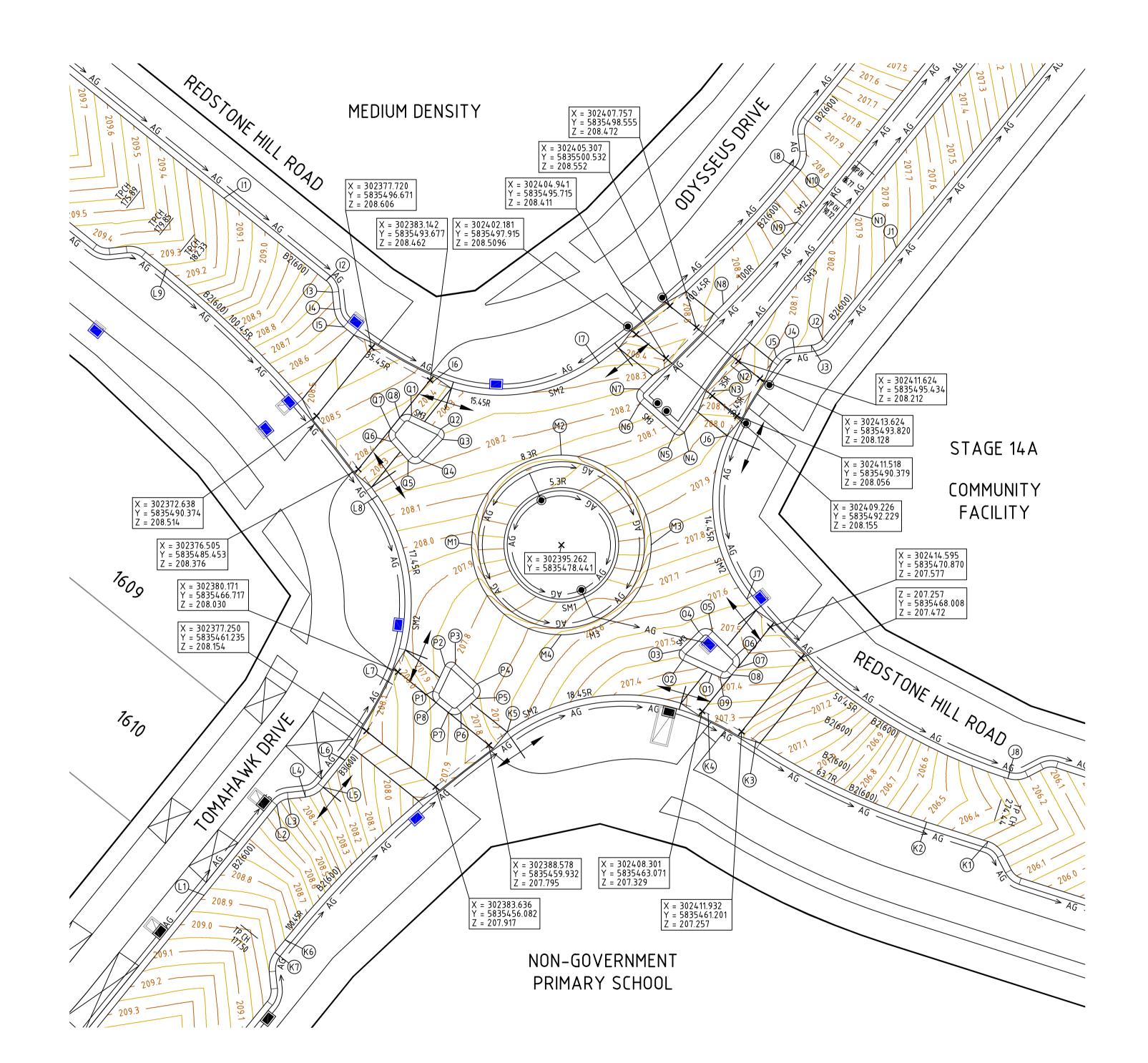
Date

V 1:25

0 0.25 0.50 0.75 1.00



## NOTE: FOR FURTHER KERB SET OUTS AND LONG SECTIONS REFER TO PLANS CR503 AND CR504



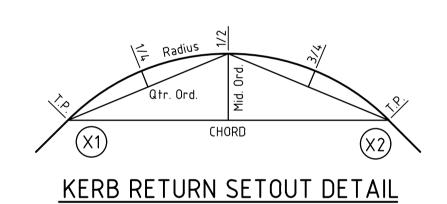
ALIGNMENT M				ALIGNMEN <sup>-</sup>	ALIGNMENT P				
POINT NO	EASTING	NORTHING	R L	POINT NO	EAST	I N G	NORTHING	RL	
M 1	302386.962	5835478.441	207.957	P 1	30238	33.441	5835464.	964 207.8	8 5 0
1 / 4	302387.594	5835481.617	208.059	P 2	30238	34.537	5835467.	279 207.8	8 1 9
1 / 2	302389.393	5835472.572	207.765	P 3	30238	35.489	5835467.	460 207.	799
3 / 4	302392.086	5835486.109	208.143	P 4	30238	37.472	5835465.	601 207.	7 4 3
M 2	302395.262	5835486.741	208.123	P 5	30238	37.452	5835464.		
1 / 4	302398.438	5835486.109	208.067	P 6		35.993	5835462.		
1 / 2	302401.131	5835484.310	208.000	P 7		34.832	5835462.		
3 / 4	302387.594	5835475.265	207.847	P 8		3 . 689	5835463.		
M 3	302403.562	5835478.441	207.820						
1 / 4	302402.930	5835475.265	207.723						
1 / 2	302401.131	5835472.572	207.635	CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
3 / 4	302398.438	5835470.773	207.605	P 2 - P 3	0.600	1.129	0.970	0.246	0.065
M 4	302395.262	5835470.141	207.641	P4-P5	0.900	1.499	1.332	0.294	0.077
1 / 4	302392.086	5835470.773	207.703	P6-P7	0.900	1.262	1.161	0.212	0.055
1 / 2	302389.393	5835472.572	207.795	P 8 - P 1	0.900	1 . 2 0 1	1 . 1 1 4	0.193	0.050
3 / 4	302387.594	5835475.265	207.847						
	RADIUS ARC L		O ORD QTR ORD						
	8.300 13.038								
	8.300 13.038								
M 3 – M 4	8.300 13.038								
M 4 – M 1	8.300 13.038	3 11.738 2.4	431 0.632						

ALIGNM	ENT N					
POINT N1 N2 1/2 N3 N4 N5 N6 N7 N8 1/4 1/2 3/4 N9		E A S T I N G 3 0 2 4 2 2	3 1 6 5 9 4 8 5 0 5 8 5 2 1 6 5 6 3 5 5 7 4 1 5 5 4 1 5 2 3 5 5 0 1 0 5 7 3 8 5	NORTHING  5835509.09  5835495.01  5835492.67  5835488.75  5835492.88  5835492.88  5835492.88  5835492.88	208.1         208.1         208.0         208.0         208.0         208.0         208.0         208.2         208.2         208.2         208.2         208.3         208.3         208.3         208.3         208.3         208.3         208.3         208.3         208.3	3 6 1 0 8 3 4 8 6 8 0 5 5 1 1 8 9 1 4 4 7 7
N 1 0		302417.		5835511.35		
C U R V E N 2 – N 3			C L . 9 1 0		1 I D O R D ) . 0 3 0	QTR 0

 N 4 - N 5
 0 . 6 0 0
 1 . 0 1 9
 0 . 9 0 1
 0 . 2 0 4
 0 . 0 5 3

 N 6 - N 7
 0 . 9 0 0
 1 . 4 6 6
 1 . 3 0 9
 0 . 2 8 2
 0 . 0 7 4

 N 8 - N 9
 1 0 0 . 0 0 0
 1 0 . 2 1 8
 1 0 . 2 1 4
 0 . 1 3 0
 - 0 . 0 3 3



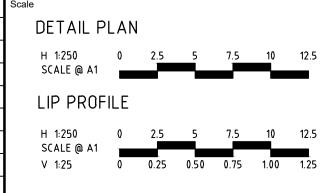
ALIGNMEN	IT O					ALIGNMEN	T Q	
POINT N	O EASTI	N G	NORTHING	RL		POINT NO	D EASTI	N G
0 1	30240	9.186	5835466.	555 207.	3 8 7	Q 1	30238	1 . 4 0
0 2	30240	6.506	5835467.	802 207.	4 4 3	Q 2	30238	4.09
0 3	30240	6.331	5835468.	766 207.	469	Q 3	30238	4.27
0 4	30240	7.973	5835470.	440 207.	5 1 7	Q 4	30238	2.42
0 5	30240	9.242	5835470.	455 207.	5 1 7	Q 5	30238	1.08
0 6	30241	1.466	5835468.	294 207.	466	Q 6	30237	9.53
0 7	30241	1.540	5835467.	083 207.	4 5 2	Q 7	30237	9.50
0 8	30241	1.029	5835466.	451 207.	4 3 7	Q 8	30238	0.32
0 9	30240	9.950	5835466.	200 207.	4 0 6			
						CURVE	RADIUS	ARC
CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD	Q 2 - Q 3	0.600	1 . 1
02-03	0.600	1.147	0.980	0.254	0.067	Q4-Q5	0.900	1.4
04-05	0.900	1.409	1.270	0.262	0.068	Q6-Q7	0.900	1 . 2
06-07	0.900	1.331	1 . 2 1 3	0.235	0.061	Q 8 – Q 1	0.900	1.2
08-09	0.900	1.194	1 . 1 0 9	0.191	0.049			

**Redstone**。

Your world awaits

ALIGNMENT	Q					
POINT NO Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8	E A S T I N 3 0 2 3 8 4 3 0 2 3 8 4 3 0 2 3 8 4 3 0 2 3 8 2 3 0 2 3 8 1 3 0 2 3 7 9 3 0 2 3 7 9 3 0 2 3 8 0	. 4 0 9 . 0 9 5 . 2 7 7 . 4 2 0 . 0 8 9 . 5 3 2 . 5 0 6	NORTHING 5 8 3 5 4 9 0 . 4 5 8 3 5 4 8 9 . 1 5 8 3 5 4 8 6 . 2 5 8 3 5 4 8 6 . 2 5 8 3 5 4 8 8 . 0 5 8 3 5 4 8 9 . 1 5 8 3 5 4 8 9 . 1 5 8 3 5 4 9 0 . 1	6 2 0 9 2 8 4 7 1 0 7 1	R L 2 0 8 . 4 0 2 0 8 . 2 6 2 0 8 . 2 4 2 0 8 . 2 2 2 0 8 . 2 6 2 0 8 . 3 7 2 0 8 . 4 0 2 0 8 . 4 2	7 3 6 3 5 8
C U R V E Q 2 - Q 3 Q 4 - Q 5 Q 6 - Q 7 Q 8 - Q 1	R A D I U S 0 . 6 0 0 0 . 9 0 0 0 . 9 0 0 0 . 9 0 0	ARC L 1.129 1.499 1.262 1.200	C H O R D 0 . 9 7 0 1 . 3 3 1 1 . 1 6 1 1 . 1 1 3	MID 0.24 0.29 0.21 0.19	7 4 2	QTR ORD 0.065 0.077 0.055 0.050

пап АD р					
ut n ACAI					S
layo vi[\					
310066CR500.dwg layout on G:\31\310066\Civil\AC					
00.d 1006					
CR5	0	ISSUED FOR CONSTRUCTION	M.R	28/10/24	
0066	С	RAISED PAVEMENT SETOUT ADDED, OTHER AMENDMENTS	M.T-S	26/04/24	
name 310 location	В	CARPARKS EXTENDED & AG DRAINS AMENDED	M.T-S	22/12/23	
nam loca	Α	ISSUED TO COUNCIL	M.T-S	22/12/22	
<u>=: =:</u>	Rev	Amendments	Approved	Date	l



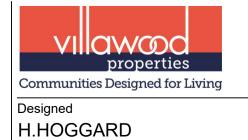


retainer. Spiire Australia Pty Ltd does not and shall not assume any

responsibility or liability whatsoever to any third party arising out of

any use or reliance by third party on the content of this document.

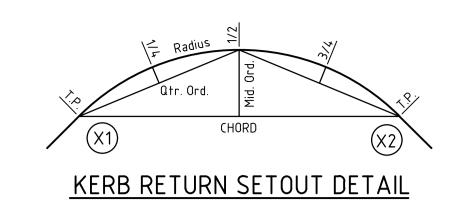


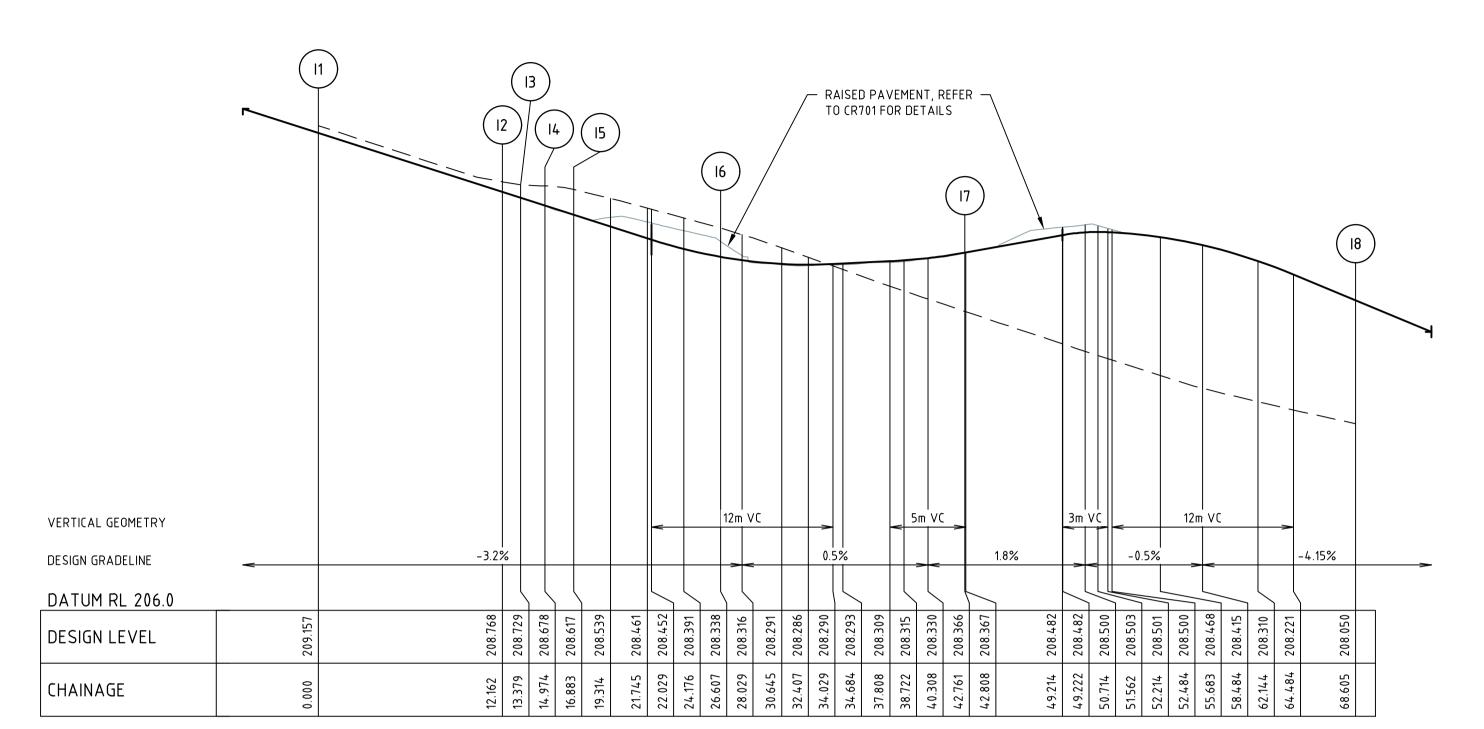


Communities Designed for Living				
Designed	Checked			
H.HOGGARD	J.POYNER			
Authorised	Date			
J.POYNER	APRIL 2024			

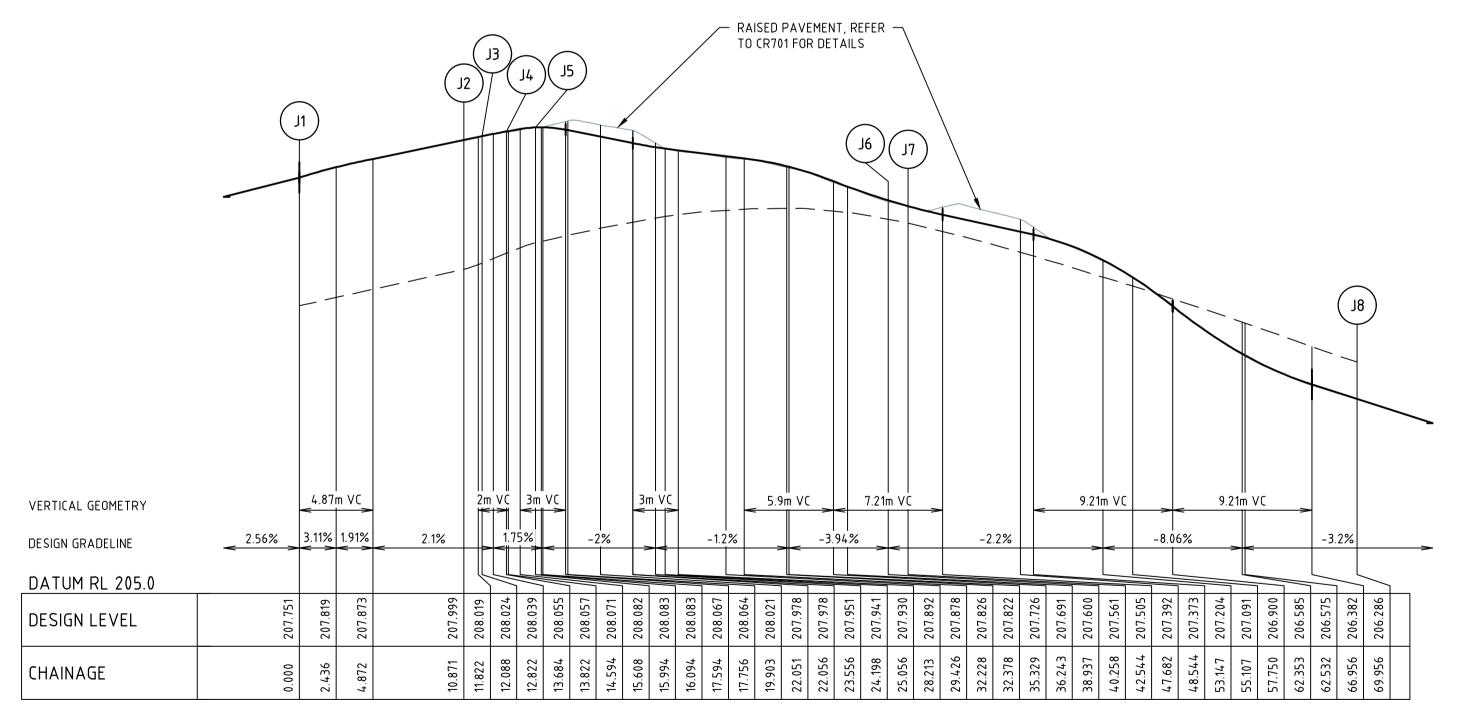
REDSTONE ESTATE STAGE 16
ROAD AND DRAINAGE
<b>INTERSECTION DETAILS - SHEET:</b>
HUME CITY COUNCIL
VILLAWOOD PROPERTIES







#### ALIGNMENT I



ALIGNMENT J

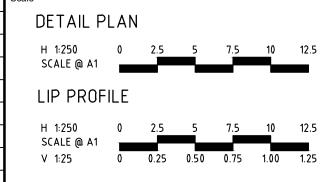
ALIGNM	ENT I		
POINT 1 1 1 2 1 3 1 4 1 5 1 / 4 1 / 2 3 / 4 1 6 1 / 4 1 / 2 3 / 4 1 7 1 / 4 1 / 2 3 / 4 1 8	3 0 2 3 7 4 . 0 8 9 3 0 2 3 7 4 . 2 5 8 3 0 2 3 7 5 . 1 4 4 3 0 2 3 7 7 . 0 7 7 3 0 2 3 8 1 . 2 2 4 3 0 2 3 8 3 . 4 1 7 3 0 2 3 8 7 . 2 8 7 3 0 2 3 9 1 . 3 1 4 3 0 2 3 9 5 . 2 2 3 3 0 2 4 0 3 . 8 2 5 3 0 2 4 0 8 . 6 3 4 3 0 2 4 1 3 . 1 5 6	NORTHING  5 8 3 5 5 1 0 . 5 0 1  5 8 3 5 5 0 2 . 8 6 3  5 8 3 5 5 0 0 . 2 3 6  5 8 3 5 5 0 0 . 2 3 6  5 8 3 5 4 9 8 . 5 9 9  5 8 3 5 4 9 7 . 1 2 6  5 8 3 5 4 9 5 . 7 9 0  5 8 3 5 4 9 4 . 5 9 5  5 8 3 5 4 9 2 . 4 3 4  5 8 3 5 4 9 2 . 3 5 8  5 8 3 5 4 9 2 . 3 5 8  5 8 3 5 4 9 5 . 2 7 0  5 8 3 5 4 9 9 . 2 6 5  5 8 3 5 5 0 8 . 1 9 2  5 8 3 5 5 1 3 . 0 8 6	2 0 8 . 7 6 8 2 0 8 . 7 2 9 2 0 8 . 6 7 8 2 0 8 . 6 1 7 2 0 8 . 5 3 9 2 0 8 . 4 6 1 2 0 8 . 3 9 3 2 0 8 . 3 4 4 2 0 8 . 3 0 2 2 0 8 . 3 0 8 2 0 8 . 3 2 9 2 0 8 . 3 6 8 2 0 8 . 4 6 8 2 0 8 . 4 6 8 2 0 8 . 3 1 0
CURVE 12-13 14-15 15-16 16-17 17-18	RADIUS ARC L 1.550 1.217 2.450 1.909 35.450 9.724 15.450 16.154 100.450 25.844	1.186 0.1	8 4 - 0 . 0 4 6 3 3 - 0 . 0 8 3 6 4 - 0 . 5 2 5

DOLNE N	0	NODTHING	DI
POINT NO	O EASTING 302426.246	N O R T H I N G 5 8 3 5 5 0 5 . 9 2 5	R L 2 0 7 . 7 5 1
J 2	302420.240	5835497.465	207.731
J 3	302419.418	5835496.897	208.024
J 4	302416.377	5835496.728	208.055
J 5	302415.143	5835495.830	208.082
1 / 4	302413.846	5835494.119	208.064
1/2	302412.655	5835492.333	208.021
3 / 4	302411.574	5835490.478	207.978
J 6	302410.607	5835488.561	207.941
1 / 4	302409.433	5835484.735	207.892
1 / 2	302409.353	5835480.734	207.826
3 / 4	302410.374	5835476.864	207.691
J 7	302412.416	5835473.423	207.561
1 / 4	302417.463	5835467.986	207.392
1 / 2	302423.253	5835463.349	207.091
3 / 4	302429.660	5835459.610	206.575
J 8	302436.545	5835456.851	206.286
CURVE	RADIUS ARC L	CHORD MID	ORD QTR OF
J 2 - J 3	1.550 1.217	1.186 0.1	
J 4 - J 5	2.450 1.924	1.875 0.1	
J5 - J6	35.450 8.590		60 -0.065
J 6 – J 7	14.450 16.059	15.245 2.1	

Redstone.

Your world awaits

υр					
ACAI					s
'/					1
67Ci					1
310066\Civil					1
31/3	0	ISSUED FOR CONSTRUCTION	M.R	28/10/24	]
<u> </u>	С	ALIGNMENTS AMENDED	M.T-S	26/04/24	
ation	В	CARPARKS EXTENDED	M.T-S	22/12/23	1
loca	Α	ISSUED TO COUNCIL	M.T-S	22/12/22	1
file	Rev	Amendments	Approved	Date	1





retainer. Spiire Australia Pty Ltd does not and shall not assume any

responsibility or liability whatsoever to any third party arising out of

any use or reliance by third party on the content of this document.

spiire
L6 414 LA TROBE STREET PO BOX 16084 MELBOURNE VICTORIA 8007 AUSTRALIA T 61 3 9993 7888

spiire.com.au

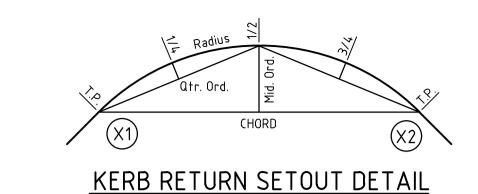
ABN 55 050 029 635

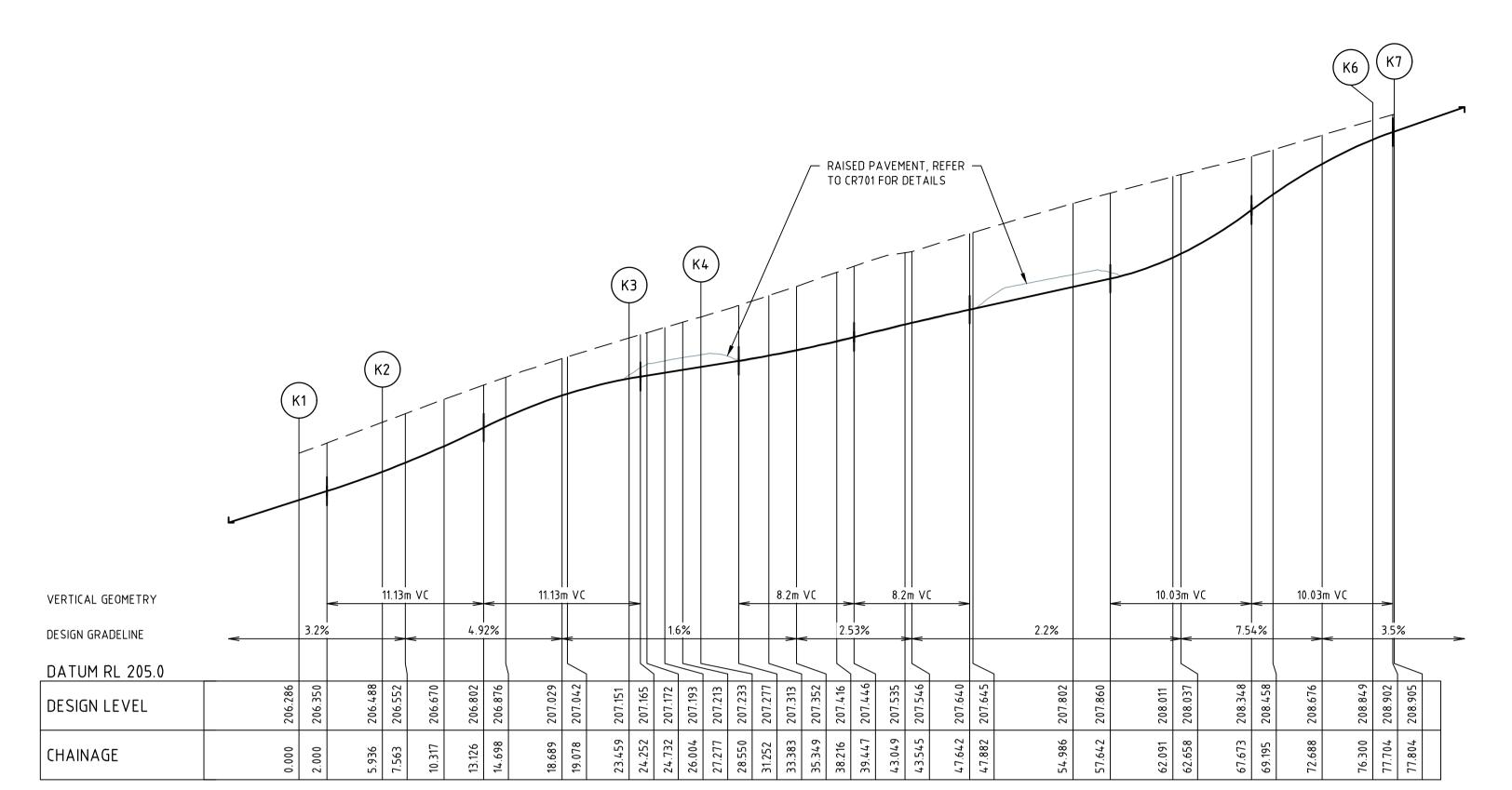


properties	Your wo
Communities Designed for Living	
Designed	Checked
H.HOGGARD	J.POYNER
Authorised	Date
J.POYNER	APRIL 2024

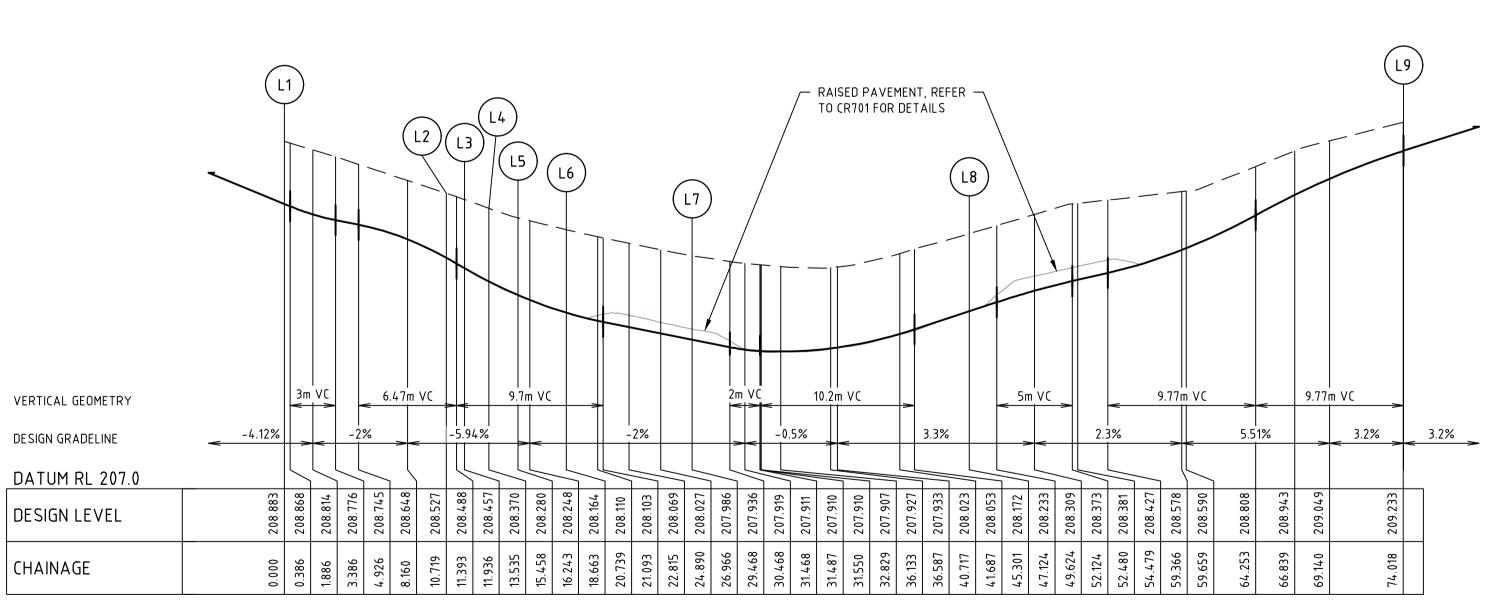
REDSTONE ESTATE STAGE 16
ROAD AND DRAINAGE
<b>INTERSECTION DETAILS - SHEET 4</b>
HUME CITY COUNCIL
VILLAWOOD PROPERTIES







#### ALIGNMENT K



# ALIGNMENT L

	Scale							
	DETAIL P	LAN	1					
	H 1:250	0	2.5	5	7 <u>.5</u>	<u>1</u> 0	12.5	
	SCALE @ A1			_		_		
28/10/24	LIP PROF	ILE						
26/04/24								
22/12/23	H 1:250 SCALE @ A1	0	2.5	5	7.5	10	12.5	
22/12/22	V 1:25	0	0.25	0.50	0.75	1.00	1.25	
7	i							

M.R

M.T-S

M.T-S

M.T-S

Approved

Date



L6 414 LA TROBE STREET PO BOX 16084 MELBOURNE VICTORIA 8007 AUSTRALIA T 61 3 9993 7888



ALIGNMENT K

K 2

1/4 1 / 2

3 / 4 K 3

1 / 4

1 / 2

3 / 4 K 4

1 / 4 1/2

3 / 4

K 5

1 / 4

1/2

3 / 4

CURVE

K 2 – K 3

ALIGNMENT L

L 3

L 5

L 6 1 / 4

1 / 2

3 / 4

1 / 4

1 / 2

3 / 4 L 8 1 / 4

1 / 2

3 / 4 L 9

CURVE

L 2 – L 3

L 4 – L 5

L 7

K 6

POINT NO EASTING

NORTHING 302434.699 5835451.037 206.286 302429.041 5835452.834 206.488

302424.915 5835454.302 206.670

302420.899 5835456.051 206.876 302417.013 5835458.071 207.042

302413.275 5835460.353 207.151

302412.200 5835461.034 207.172

302411.101 5835461.676 207.193 302409.980 5835462.278 207.213

302408.838 5835462.840 207.233 302404.245 5835464.301 207.313

302399.431 5835464.523 207.416 302394.724 5835463.490 207.535

302390.444 5835461.274 207.645

302384.765 5835457.008 207.802

302379.402 5835452.351 208.011

302374.381 5835447.327 208.458

302369.727 5835441.961 208.849

302368.782 5835440.791 208.905

 K3-K4
 35.450
 5.091
 5.086
 0.091
 -0.023

 K4-K5
 18.450
 19.332
 18.460
 2.475
 -0.629

K5-K6 100.450 28.418 28.323 1.003 -0.251

POINT NO EASTING NORTHING RL

302362.246 5835446.066 208.883 302368.978 5835454.408 208.527 302370.018 5835454.975 208.457

302371.609 5835455.146 208.370

302373.254 5835456.044 208.280

302375.267 5835458.538 208.164

302376.522 5835460.190 208.110 302377.679 5835461.914 208.069

302378.733 5835463.702 208.027

302379.681 5835465.548 207.986

302381.090 5835469.896 207.910

302381.322 5835474.460 207.927

 302380.361
 5835478.929
 208.023

 302378.273
 5835482.994
 208.172

 302373.977
 5835488.744
 208.381

302369.281 5835494.173 208.590

302364.210 5835499.253 208.943

302358.789 5835503.958 209.233

RADIUS ARC L CHORD MID ORD QTR ORD

-0.047

-0.061

**Redstone**。

Your world awaits

1.550 1.216 1.185 0.118 0.030

2.450 1.923 1.874 0.186

L7-L8 17.450 18.334 17.503 2.353 -0.599 L8-L9 100.450 28.717 28.620 1.025 -0.256

L 6 – L 7 3 5 . 4 5 0 8 . 3 0 3 8 . 2 8 4 0 . 2 4 3

RADIUS ARC L CHORD MID ORD QTR ORD 63.700 17.523 17.467 0.602 0.151

properties	Your wo
Communities Designed for Living	
Designed	Checked
H.HOGGARD	J.POYNER
Authorised	Date
J.POYNER	APRIL 2024
	Communities Designed for Living Designed H.HOGGARD

	REDSTONE ESTATE
	STAGE 16
	ROAD AND DRAINAGE
	<b>INTERSECTION DETAILS - SHEET</b>
_	HUME CITY COUNCIL
	VILLAWOOD PROPERTIES

CONSTRUCTION 310066CR504

ISSUED FOR CONSTRUCTION ALIGNMENTS AMENDED LONG SECTIONS AMENDED ISSUED TO COUNCIL

Rev | Amendments

© Spiire Australia Pty Ltd All Rights Reserved This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the

retainer. Spiire Australia Pty Ltd does not and shall not assume any

responsibility or liability whatsoever to any third party arising out of

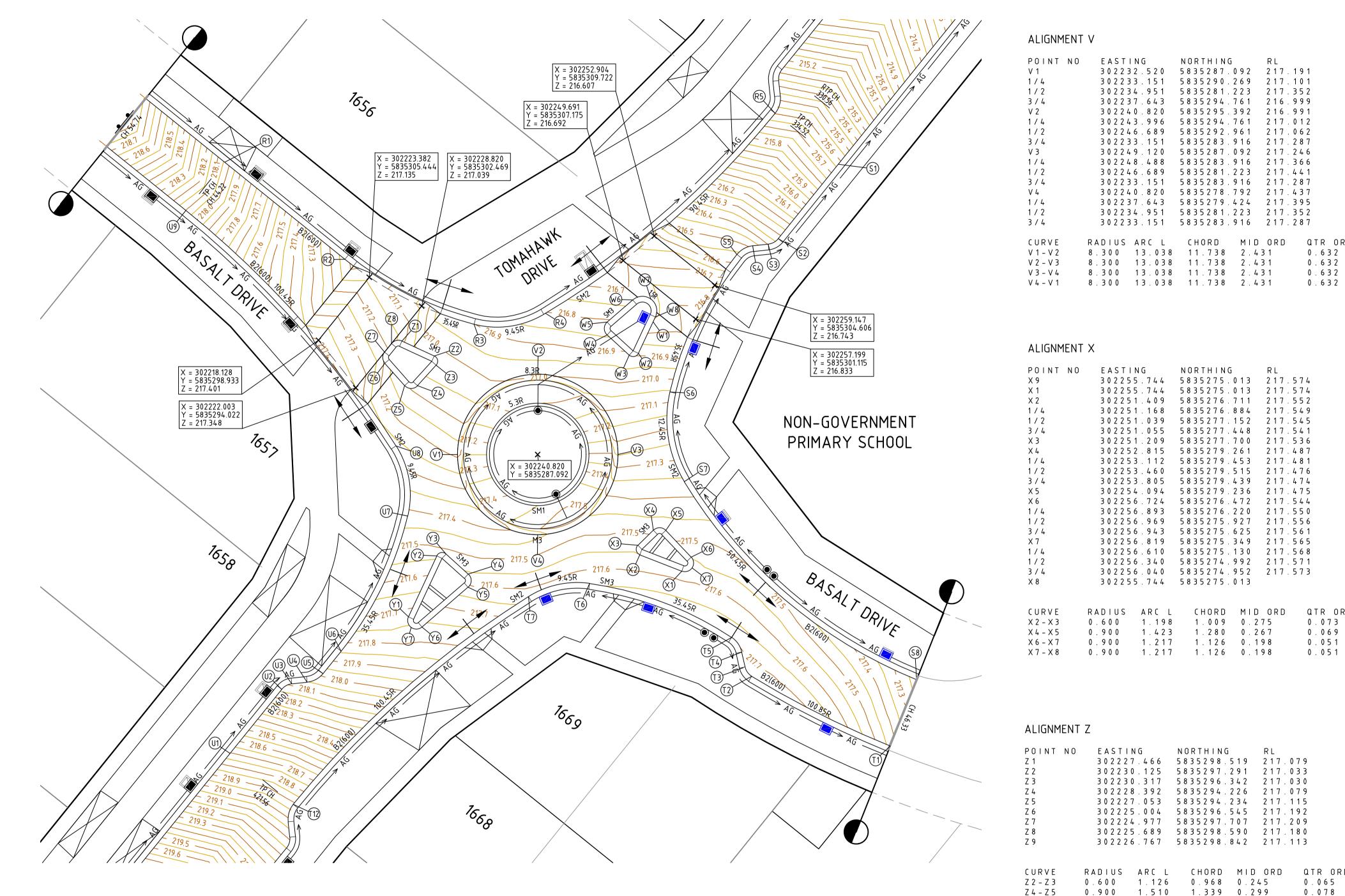
any use or reliance by third party on the content of this document.

spiire.com.au ABN 55 050 029 635



QTR ORD 0.065 0.079 0.086 0.086

## NOTE: FOR FURTHER KERB SET OUTS AND LONG SECTIONS REFER TO PLANS CR506, CR507 AND CR508.



ALIGNMENT	V		
POINT NO V1 1/4 1/2 3/4 V2 1/4 1/2 3/4 V3 1/4 1/2 3/4 V4 1/2 3/4 V4 1/4 1/2 3/4	3 0 2 2 3 2 . 5 2 0 3 0 2 2 3 3 . 1 5 1 3 0 2 2 3 4 . 9 5 1 3 0 2 2 3 7 . 6 4 3 3 0 2 2 4 0 . 8 2 0 3 0 2 2 4 6 . 6 8 9 3 0 2 2 4 9 . 1 2 0 3 0 2 2 4 8 . 4 8 8 3 0 2 2 4 6 . 6 8 9 3 0 2 2 4 8 . 4 8 8 3 0 2 2 4 6 . 6 8 9 3 0 2 2 4 6 . 6 8 9 3 0 2 2 4 6 . 6 8 9 3 0 2 2 4 6 . 6 8 9 3 0 2 2 4 6 . 6 8 9 3 0 2 2 4 6 . 6 8 9 3 0 2 2 3 3 . 1 5 1 3 0 2 2 4 0 . 8 2 0 3 0 2 2 3 7 . 6 4 3	5 8 3 5 2 8 7 . 0 9 2 5 8 3 5 2 9 0 . 2 6 9 5 8 3 5 2 9 4 . 7 6 1 5 8 3 5 2 9 5 . 3 9 2 5 8 3 5 2 9 4 . 7 6 1 5 8 3 5 2 9 2 . 9 6 1 5 8 3 5 2 8 3 . 9 1 6 5 8 3 5 2 8 3 . 9 1 6 5 8 3 5 2 8 3 . 9 1 6 5 8 3 5 2 8 3 . 9 1 6 5 8 3 5 2 8 3 . 9 1 6 5 8 3 5 2 8 3 . 9 1 6 5 8 3 5 2 8 3 . 9 1 6 5 8 3 5 2 8 3 . 9 1 6 5 8 3 5 2 7 8 . 7 9 2 5 8 3 5 2 7 9 . 4 2 4 5 8 3 5 2 8 1 . 2 2 3	2 1 7 . 1 0 1 2 1 7 . 3 5 2 2 1 6 . 9 9 9 2 1 6 . 9 9 1 2 1 7 . 0 1 2 2 1 7 . 2 8 7 2 1 7 . 2 4 6 2 1 7 . 3 6 6 2 1 7 . 4 4 1 2 1 7 . 2 8 7 2 1 7 . 4 3 7 2 1 7 . 3 9 5 2 1 7 . 3 5 2
C U R V E V 1 - V 2 V 2 - V 3 V 3 - V 4 V 4 - V 1	RADIUS ARC L 8.300 13.038 8.300 13.038 8.300 13.038 8.300 13.038	C H O R D M I D 1 1 . 7 3 8 2 . 4 1 1 . 7 3 8 2 . 4	QTR ORD 31 0.632 31 0.632 31 0.632

	ΝO	EASTIN	IG	NORTHING		
W 1		302252		5835300.8		
W 2		302251		5835297.5		
W 3		302250	. 3 1 2	5835297.	383 216.	90
W 4		302248	. 0 1 3	5835299.4	+73 216.	8 4
W 5		302248	. 029	5835300.8	319 216.	8 0
W 6		302250	. 674	5835303.	108 216.	7 2
W 7		302252	. 5 5 9	5835303.	171 216.	7 3
W 8		302253	. 0 1 5	5835301.3	340 216.	74
CURVE		RADIUS	ARC L	CHORD	MID ORD	
W 2 - W 3		0.600	1.123	0.966	0.244	
W4-W5		0.900	1 . 5 2 2	1.347	0.303	
W 6 - W 7		1 . 5 0 0	2.040	1.887	0.334	
W7-W8		1 . 5 0 0	2.040	1.887	0.334	

ALIGNMENT	X		
POINT NO X9 X1 X2 1/4 1/2 3/4 X3 X4 1/4 1/2 3/4 X5 X6 1/4 1/2 3/4 X7 1/4 1/2 3/4 X7	E A S T I N G  3 0 2 2 5 5 . 7 4 4  3 0 2 2 5 5 . 7 4 4  3 0 2 2 5 1 . 4 0 9  3 0 2 2 5 1 . 1 6 8  3 0 2 2 5 1 . 0 3 9  3 0 2 2 5 1 . 0 5 5  3 0 2 2 5 1 . 2 0 9  3 0 2 2 5 2 . 8 1 5  3 0 2 2 5 3 . 1 1 2  3 0 2 2 5 3 . 4 6 0  3 0 2 2 5 3 . 4 6 0  3 0 2 2 5 3 . 8 0 5  3 0 2 2 5 6 . 7 2 4  3 0 2 2 5 6 . 8 9 3  3 0 2 2 5 6 . 9 6 9  3 0 2 2 5 6 . 8 1 9  3 0 2 2 5 6 . 6 1 0  3 0 2 2 5 6 . 6 1 0  3 0 2 2 5 6 . 6 4 0  3 0 2 2 5 6 . 0 4 0  3 0 2 2 5 6 . 0 4 0  3 0 2 2 5 5 . 7 4 4	5 8 3 5 2 7 5 . 0 1 3         5 8 3 5 2 7 6 . 7 1 1         5 8 3 5 2 7 6 . 8 8 4         5 8 3 5 2 7 7 . 1 5 2         5 8 3 5 2 7 7 . 4 4 8         5 8 3 5 2 7 7 . 7 0 0         5 8 3 5 2 7 9 . 2 6 1         5 8 3 5 2 7 9 . 4 5 3         5 8 3 5 2 7 9 . 4 3 9         5 8 3 5 2 7 9 . 2 3 6         5 8 3 5 2 7 9 . 2 3 6         5 8 3 5 2 7 9 . 2 3 6         5 8 3 5 2 7 6 . 2 2 0         5 8 3 5 2 7 5 . 9 2 7         5 8 3 5 2 7 5 . 3 4 9         5 8 3 5 2 7 5 . 1 3 0         5 8 3 5 2 7 4 . 9 9 2	R L 2 1 7 . 5 7 4 2 1 7 . 5 7 4 2 1 7 . 5 5 2 2 1 7 . 5 4 9 2 1 7 . 5 4 5 2 1 7 . 5 4 1 2 1 7 . 5 3 6 2 1 7 . 4 8 7 2 1 7 . 4 8 1 2 1 7 . 4 7 6 2 1 7 . 4 7 6 2 1 7 . 4 7 5 2 1 7 . 5 5 6 2 1 7 . 5 6 1 2 1 7 . 5 6 5 2 1 7 . 5 6 8 2 1 7 . 5 7 1 2 1 7 . 5 7 3
CURVE	RADIUS ARC L	CHORD MID	ORD QTR

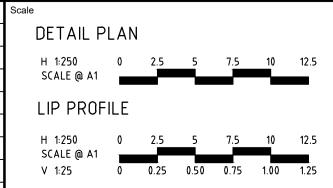
POINT N	O EAST	ING	NORTHING	R L	
Y 1	30222	27.447	5835270.294	217.726	
Y 2	30223	30.388	5835276.605	217.518	
Y 3	30223	31.335	5835276.795	217.519	
Y 4	30223	33.634	5835274.706	217.565	
Y 5	30223	33.618	5835273.359	217.607	
Y 6	30222	28.851	5835269.234	217.782	
Y 7	30222	27.720	5835269.196	217.762	
CURVE	RADIUS	ARC L	CHORD MIC	ORD QTR	0 F
Y 2 – Y 3	0.600	1.123	0.966 0.2	4.4 0.00	5 5
Y 4 - Y 5	0.900	1 . 5 2 2	1.347 0.3	0.0	7 9
Y 6 – Y 7	0.900	1 . 2 2 4	1.132 0.2	0.0	5 2
Y 7 – Y 1	0.900	1 . 2 2 4	1.132 0.2	0.0	5 2

POINT	ΝO	EASTING	NOR'
Z 1		302227.466	5835
Z 2		302230.125	5835
Z 3		302230.317	5835
Z 4		302228.392	5835
Z 5		302227.053	5835
Z 6		302225.004	5835
7 7		24224	F 0 3 F

P O I N T Z 1 Z 2 Z 3 Z 4 Z 5 Z 6 Z 7 Z 8 Z 9	N O	E A S T I 3 0 2 2 2 3 0 2 2 3 3 0 2 2 2 3 0 2 2 2 3 0 2 2 2 3 0 2 2 2 3 0 2 2 2 3 0 2 2 2 3 0 2 2 2 3 0 2 2 2	7 . 4 6 6 0 . 1 2 5 0 . 3 1 7 8 . 3 9 2 7 . 0 5 3 5 . 0 0 4 4 . 9 7 7 5 . 6 8 9	NORTHING 5835298. 5835296. 5835294. 5835296. 5835296. 5835297. 5835298.	5 1 9     2 1 7       2 9 1     2 1 7       3 4 2     2 1 7       2 2 6     2 1 7       2 3 4     2 1 7       5 4 5     2 1 7       7 0 7     2 1 7       5 9 0     2 1 7	. 0 7 9 . 0 3 3 . 0 3 0 . 0 7 9 . 1 1 5 . 1 9 2 . 2 0 9 . 1 8 0 . 1 1 3
C U R V E Z 2 - Z 3 Z 4 - Z 5 Z 6 - Z 7 Z 8 - Z 9		RADIUS 0.600 0.900 0.900 0.900	ARC L 1.126 1.510 1.264 1.192	C H O R D 0 . 9 6 8 1 . 3 3 9 1 . 1 6 3 1 . 1 0 7	MID ORD 0 . 2 4 5 0 . 2 9 9 0 . 2 1 3 0 . 1 9 0	QTR OR 0.065 0.078 0.055 0.049

	Qtr. Ord.	37/
X1)	CHORD	(X2)
KERB RI	ETURN SETOL	JT DETAIL

ut n ACA				
310066CR500.dwg layout on G:\31\310066\Civil\AC				
wg 6\C				
00.d 1006				
CR5	0	ISSUED FOR CONSTRUCTION	M.R	28/10/24
990¢	O	ALIGNMENTS AMENDED	M.T-S	26/04/24
e 31 tion	В	CARPARKS EXTENDED	M.T-S	22/12/23
name locatio	Α	ISSUED TO COUNCIL	M.T-S	22/12/22
file file	Rev	Amendments	Approved	Date





retainer. Spiire Australia Pty Ltd does not and shall not assume any

responsibility or liability whatsoever to any third party arising out of

any use or reliance by third party on the content of this document.



ABN 55 050 029 635

spiire.com.au

VI	awaa
	properties
Communit	ies Designed for Living
Designed	
H.HOGO	GARD

Authorised

J.POYNER

0.051

Checked
J.POYNER
Date
APRIL 2024

**Redstone**。

Your world awaits

REDSTONE ESTATE STAGE 16 ROAD AND DRAINAGE **INTERSECTION DETAILS - SHEET 6** HUME CITY COUNCIL VILLAWOOD PROPERTIES

0 ISSUED FOR CONSTRUCTION M.R 28/10/24 M.T-S 26/04/24 ALIGNMENTS AMENDED 22/12/23 B CARPARKS EXTENDED M.T-S A ISSUED TO COUNCIL M.T-S 22/12/22 Approved Date Rev Amendments

DETAIL PLAN LIP PROFILE SCALE @ A1 V 1:25 0 0.25 0.50 0.75 1.00 1.25



responsibility or liability whatsoever to any third party arising out of

any use or reliance by third party on the content of this document.



spiire.com.au

ABN 55 050 029 635



J.POYNER

# H.HOGGARD Authorised

Checked J.POYNER APRIL 2024

**Redstone**。

Your world awaits

REDSTONE ESTATE STAGE 16 HUME CITY COUNCIL VILLAWOOD PROPERTIES

CONSTRUCTION 310066CR506 0

ROAD AND DRAINAGE INTERSECTION DETAILS - SHEET 7

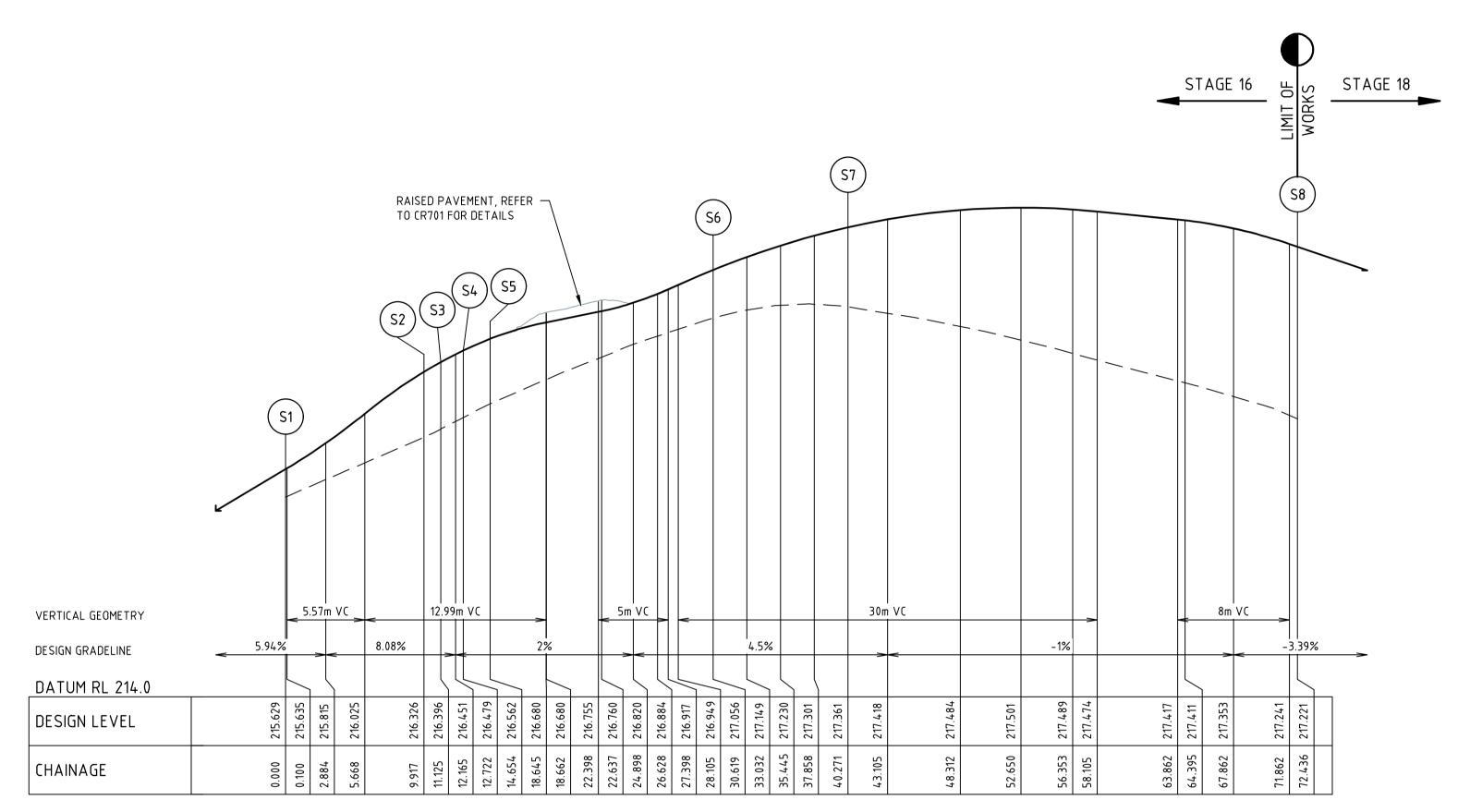
ALIGNMENT	R

			R2				R3		- RAISE TO CR	D PAVEMENT, REFER 701 FOR DETAILS						R5
VERTICAL GEOMETRY		<	20m VC		<del>&gt;</del>	<b>-</b>	-	10m VC			-	6.63n	n VC >	•	9.94m V	<del>C</del>
DESIGN GRADELINE	<	-6.81%	><		-0.5%			><		-2%		<b>&gt;</b>	<u>-</u>	-6.33%	><	
DATUM RL 214.0													1			
DESIGN LEVEL	218.040	217.661	217.138	217.012	216.930	216.909	216.901	216.865	216.808	216.649	216.512	216.486	216.236	216.081	215.926	215.626
CHAINAGE	0.000	5.561		19.770	25.561		31.090		38.577			54.528	60.041		65.010	69.979

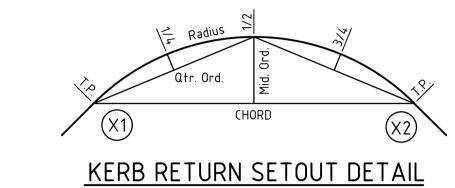
ΑL	IGNMENT R	

ALIGNM	ENI R						
POINT R1 R2 1/4 1/2 3/4 R3 1/4	N O	3 0 2 2 0 3 0 2 2 2 3 0 2 2 2 3 0 2 2 2 3 0 2 2 3 3 0 2 2 3	N G 8 . 4 1 7 0 . 8 6 6 3 . 9 2 3 7 . 1 9 7 0 . 6 5 1 4 . 2 4 7 6 . 0 9 3	NORTHING 5835317.3 5835307.3 5835305.0 5835301.7 5835300.5 5835300.5	5 5 0 8 9 9 2 7 1 4 7 6	R L 2 1 8 . 0 4 2 1 7 . 1 2 2 1 7 . 0 1 2 1 6 . 9 4 2 1 6 . 9 0 2 1 6 . 8 8	2 2 7 2 1
1 / 2 3 / 4 R 4 1 / 4 1 / 2 3 / 4 R 5		3 0 2 2 3 3 0 2 2 3 3 0 2 2 4 3 0 2 2 4 3 0 2 2 5 3 0 2 2 6	7 . 9 6 0 9 . 7 7 5 1 . 4 6 6 8 . 1 2 1 4 . 3 6 4 0 . 1 4 5 5 . 4 2 1	5 8 3 5 3 0 0 . 3 5 8 3 5 3 0 0 . 8 5 8 3 5 3 0 1 . 6 5 8 3 5 3 0 6 . 0 5 8 3 5 3 1 0 . 9 5 8 3 5 3 1 6 . 4 5 8 3 5 3 2 2 . 4	7 1 1 9 1 5 0 5 6 4 5 4	2 1 6 . 8 6 2 1 6 . 8 3 2 1 6 . 8 0 2 1 6 . 6 4 2 1 6 . 4 8 2 1 6 . 0 8 2 1 5 . 5 9	5 9 8 9 6 1
CURVE			ARC L	CHORD	MID		QTR

1 / 2	3 0 2 2 5 4 . 3 6 4	5 8 3 5 3 1 0 . 9 6 4	2 1 6 . 4 8 6
3 / 4	3 0 2 2 6 0 . 1 4 5	5 8 3 5 3 1 6 . 4 5 4	2 1 6 . 0 8 1
R 5	3 0 2 2 6 5 . 4 2 1	5 8 3 5 3 2 2 . 4 3 2	2 1 5 . 5 9 7
C U R V E	RADIUS ARC L	CHORD MID	3 2 - 0 . 1 8 5
R 2 – R 3	35.450 15.093	14.979 0.8	
R 3 – R 4	9.450 7.488	7.293 0.7	
R 4 – R 5	90.450 31.902	31.737 1.4	



ALIGNMENT S



#### ALIGNMENT S

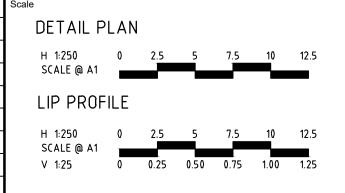
POINT NO	EASTING	NORTHING	RL
S 1	302271.958	5835317.156	215.629
S 2	302265.730	5835309.439	216.326
S 3	302264.696	5835308.875	216.396
S 4	302263.108	5835308.706	216.479
S 5	302261.455	5835307.805	216.562
1 / 4	302259.129	5835304.564	216.680
1 / 2	302257.181	5835301.083	216.760
3 / 4	302255.636	5835297.405	216.884
S 6	302254.515	5835293.576	217.056
1 / 4	302254.198	5835291.188	217.149
1 / 2	302254.348	5835288.784	217.230
3 / 4	302254.958	5835286.453	217.301
S 7	302256.005	5835284.283	217.361
1 / 4	302260.713	5835277.775	217.484
1 / 2	302266.395	5835272.097	217.489
3 / 4	302272.905	5835267.392	217.411
S 8	302280.080	5835263.780	217.221

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
S 2 - S 3	1.539	1.209	1 . 178	0.117	0.030
S 4 - S 5	2.459	1.931	1.882	0.187	-0.047
S 5 - S 6	35.450	15.966	15.831	0.895	- 0 . 2 2 4
S 6 - S 7	12.450	9.651	9.412	0.924	-0.233
S7-S8	50.450	32.165	31.623	2 . 5 4 2	-0.639

Redstone.

Your world awaits

AD pl					
\ACAI					Sc
vi[\/					
6\Ci					
1006					
G:\31\310066\Civil	0	ISSUED FOR CONSTRUCTION	M.R	28/10/24	
32.7	C	ALIGNMENTS AMENDED	M.T-S	26/04/24	
tion	В	CARPARKS EXTENDED	M.T-S	22/12/23	
location (	Α	ISSUED TO COUNCIL	M.T-S	22/12/22	
file	Rev	Amendments	Approved	Date	





retainer. Spiire Australia Pty Ltd does not and shall not assume any

responsibility or liability whatsoever to any third party arising out of

any use or reliance by third party on the content of this document.



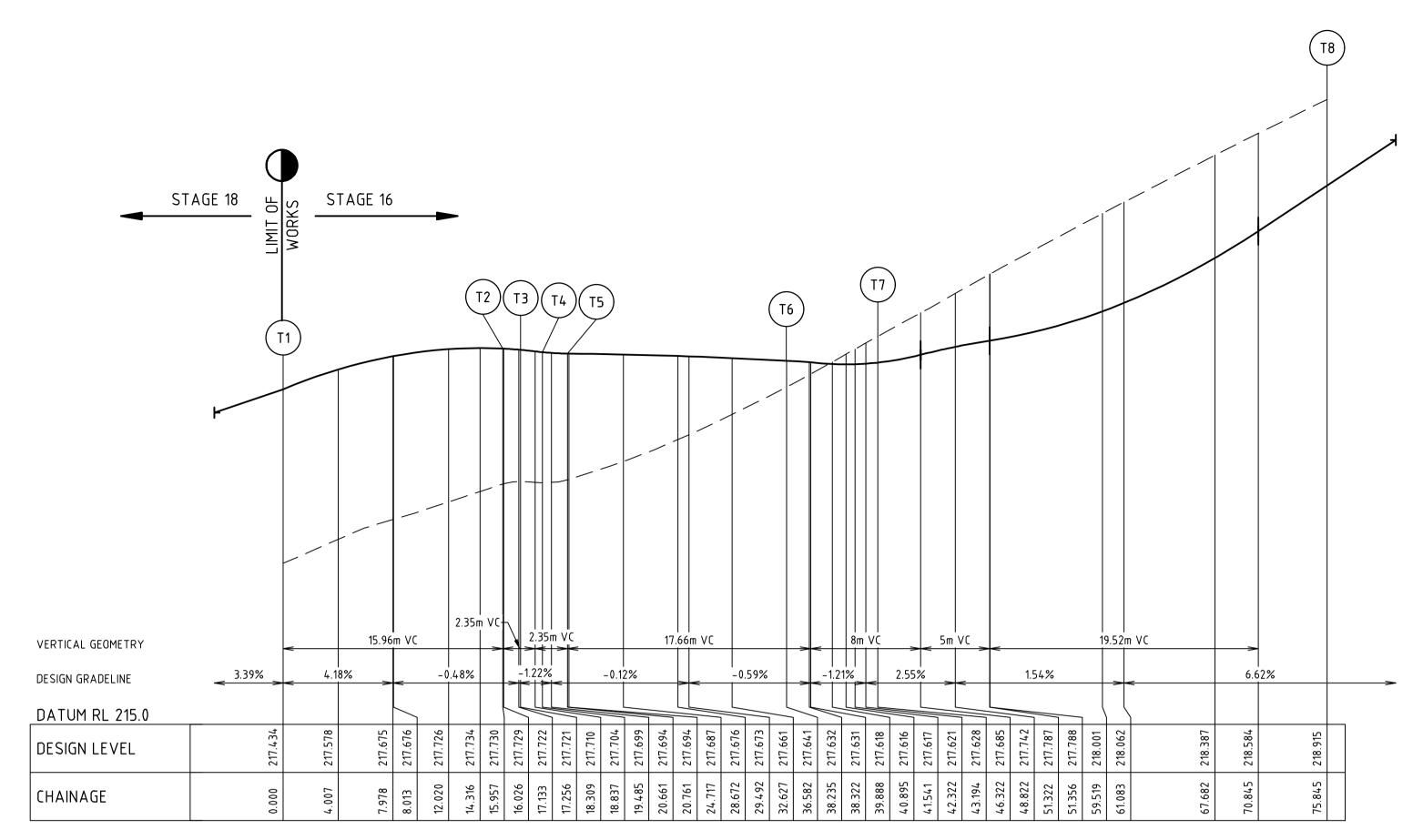
ABN 55 050 029 635

spiire.com.au

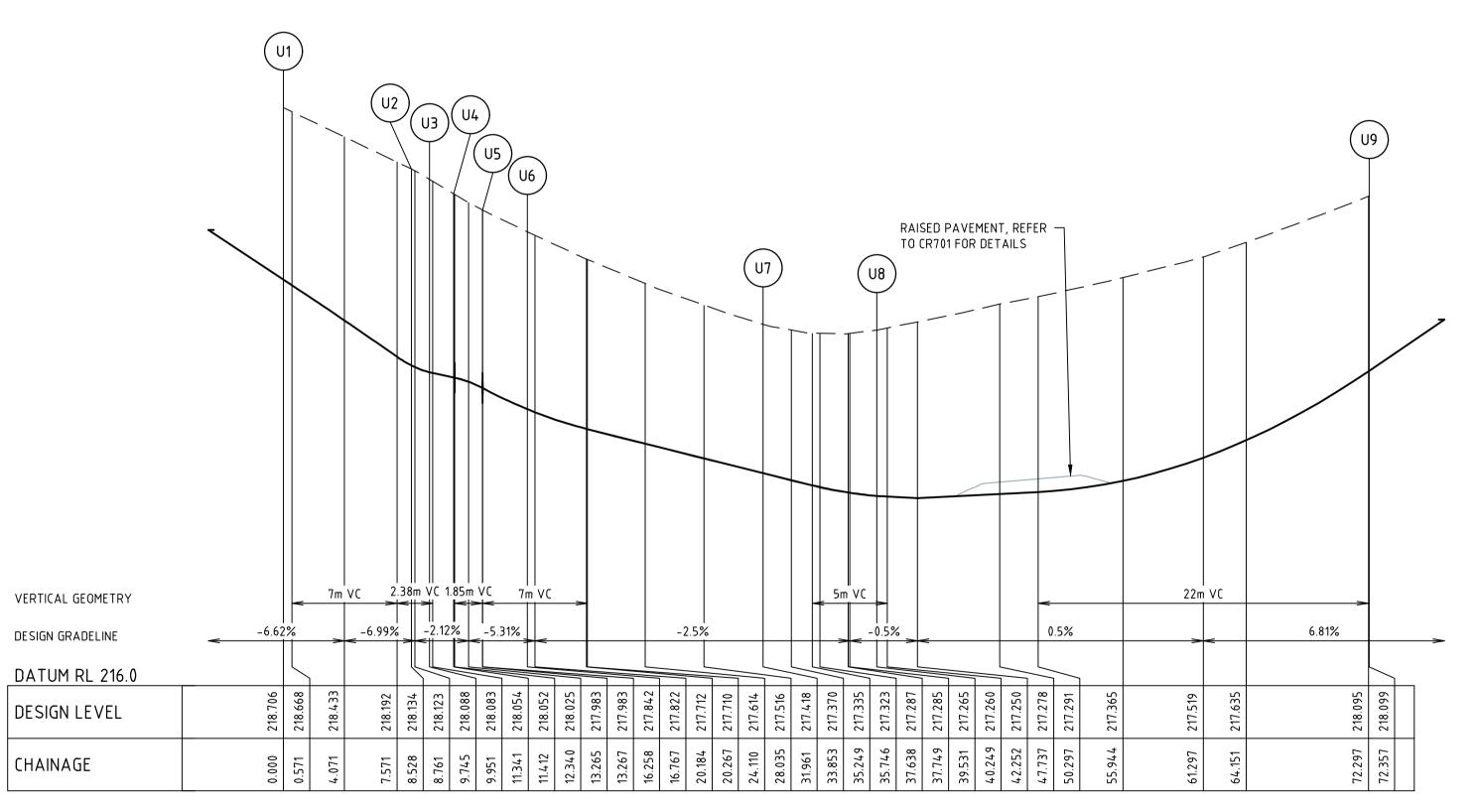
VII GWOC properties
Communities Designed for Living
Designed
H.HOGGARD

Designed	Checked
H.HOGGARD	J.POYNER
Authorised	Date
J.POYNER	APRIL 2024

REDSTONE ESTATE STAGE 16
ROAD AND DRAINAGE
<b>INTERSECTION DETAILS - SHEET 8</b>
HUME CITY COUNCIL
VILLAWOOD PROPERTIES



### ALIGNMENT T



#### ALIGNMENT T

POINT T1 1/4 1/2 3/4 T2 T3 T4 T5 1/4 1/2 3/4 T6 1/4 1/2 3/4 T7 1/4 1/2 3/4 T7	3 0 2 2 7 3 3 0 2 2 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	7 · 2 9 0 3 · 6 1 0 9 · 9 9 6 6 · 4 5 4 2 · 9 8 8 2 · 2 9 8 1 · 9 5 7 0 · 8 8 3 7 · 4 7 1 3 · 8 5 7 0 · 0 8 8 6 · 2 1 0 4 · 5 6 1 2 · 9 2 3 1 · 3 4 5 9 · 8 7 6 3 · 1 4 7 6 · 8 1 5 0 · 9 2 2	NORTHING  5 8 3 5 2 5 6 . 9 2 7  5 8 3 5 2 5 6 . 9 2 7  5 8 3 5 2 6 0 . 2 4 0  5 8 3 5 2 6 2 . 1 1 1  5 8 3 5 2 6 4 . 1 2 1  5 8 3 5 2 6 5 . 1 0 0  5 8 3 5 2 6 6 . 6 4 4  5 8 3 5 2 6 8 . 1 8 1  5 8 3 5 2 7 0 . 1 7 7  5 8 3 5 2 7 1 . 7 8 1  5 8 3 5 2 7 2 . 9 7 3  5 8 3 5 2 7 3 . 7 3 8  5 8 3 5 2 7 3 . 8 2 3  5 8 3 5 2 7 3 . 1 3 4  5 8 3 5 2 7 2 . 3 8 2  5 8 3 5 2 7 2 . 3 8 2  5 8 3 5 2 7 2 . 3 8 2  5 8 3 5 2 6 7 . 7 6 5  5 8 3 5 2 6 2 . 6 1 7  5 8 3 5 2 5 6 . 9 7 3  5 8 3 5 2 5 0 . 8 6 8	2 1 7 . 5 7 8 2 1 7 . 6 7 6 2 1 7 . 7 2 6 2 1 7 . 7 2 9 2 1 7 . 7 2 1 2 1 7 . 6 9 4 2 1 7 . 6 8 7 2 1 7 . 6 6 1 2 1 7 . 6 6 1 2 1 7 . 6 3 2 2 1 7 . 6 1 8 2 1 7 . 6 1 8 2 1 7 . 6 2 8 2 1 7 . 8 2 3 2 1 8 . 0 8 4 2 1 8 . 4 2 9	
C URVE T 1 - T 2 T 2 - T 3 T 4 - T 5 T 5 - T 6 T 6 - T 7 T 7 - T 8	1 0 0 . 4 5 0 1 . 5 5 0 2 . 4 5 0 3 5 . 4 5 0 9 . 4 5 0	15.821	16.010 0. 1.198 0. 1.875 0. 15.690 0. 6.477 0.	D ORD QTR 0 3 18 0 0 8 0 1 2 0 0 0 4 7 8 7 9 - 0 2 2 0 5 7 2 - 0 1 4 4 3 2 4 - 0 3 3 1	

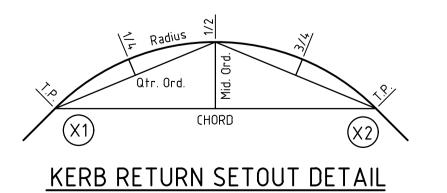
#### ALIGNMENT U

POIU1 U2 U3 U4 U5 U6 1/4 1/2 3/4 U7 1/4 1/2 3/4 U8 1/4 1/2 3/4			3 0 2 2 1 3 0 2 2 1 3 0 2 2 1 3 0 2 2 2 3 0 2 2 2	8 . 9 6 8 4 . 3 2 4 5 . 3 6 5 6 . 9 5 2 8 . 5 9 9 0 . 4 7 8 2 . 7 7 0 4 . 6 9 5 6 . 2 3 1 7 . 3 5 9 7 . 6 1 5 7 . 4 9 3 6 . 9 9 9 6 . 1 5 2	NORTHING 5835266 5835263 5835263 5835264 5835266 5835269 5835276 5835276 5835280 5835286 5835287 5835286	145 781 349 518 416 745 938 971 587 4298 737 6966	R L 2 1 8 . 7 2 1 8 . 0 2 1 8 . 0 2 1 7 . 9 2 1 7 . 8 2 1 7 . 7 2 1 7 . 6 2 1 7 . 5 2 1 7 . 4 2 1 7 . 3 2 1 7 . 2 2 1 7 . 2 2 1 7 . 2 2 1 7 . 2 2 1 7 . 6	3 4 8 8 5 4 8 3 4 2 1 2 1 4 1 6 1 8 7 0 2 3 8 7 6 5 7 8 6 5 3 5
U 9				4.398	5835312.		2 1 8 . 0	
C U R U 2 - U 4 - U 6 - U 7 - U 8 -	U 3 U 5 U 7	3 5	5 . 4 5 0 9 . 4 5 0	1 . 2 1 7 1 . 9 2 4 15 . 7 0 3	7.369	0.74	8 6 6 8	QTR OR 0 . 0 3 0 - 0 . 0 4 7 - 0 . 2 1 7 - 0 . 1 8 9 - 0 . 3 3 5

Redstone.

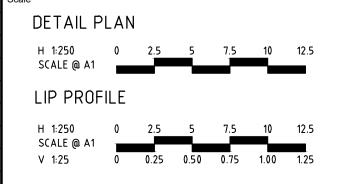
Your world awaits

APRIL 2024



ALIGNMENT U

۲					Sca
/					
9/(1					
\310066\CIVIL\ALA					
31/3	0	ISSUED FOR CONSTRUCTION	M.R	28/10/24	
; ; ;	С	ALIGNMENTS AMENDED	M.T-S	26/04/24	
tion	В	CARPARKS EXTENDED	M.T-S	22/12/23	
location	Α	ISSUED TO COUNCIL	M.T-S	22/12/22	
tile	Rev	Amendments	Approved	Date	





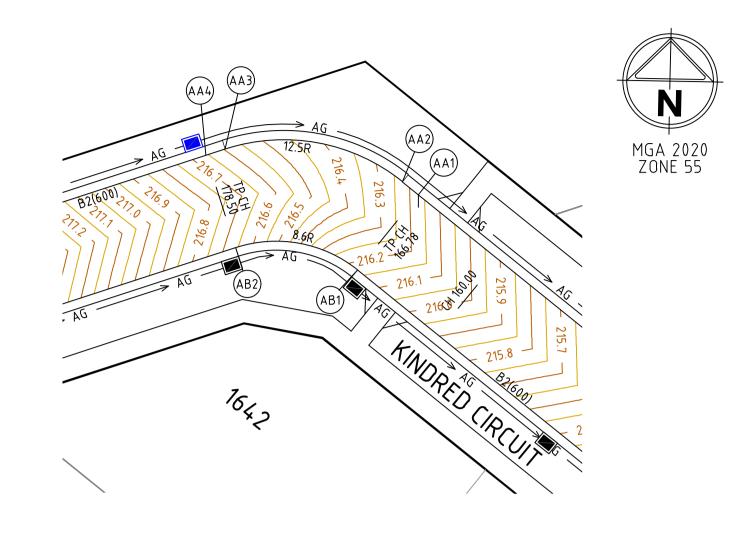
System Certified	spiire
© Spiire Australia Pty Ltd All Rights Reserved This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of	L6 414 LA TROBE STREET PO BOX 16084 MELBOURNE VICTORIA 8007 AUSTRALIA T 61 3 9993 7888
any use or reliance by third party on the content of this document.	spiire.com.au ABN 55 050 029 635

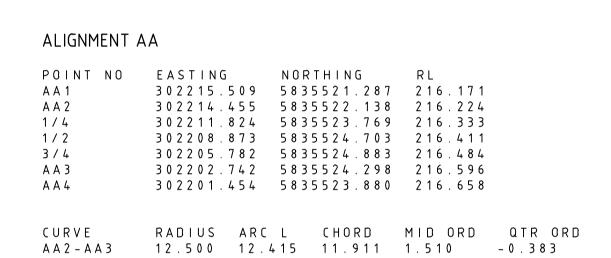


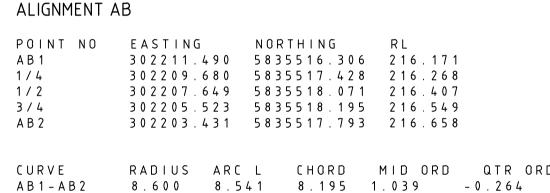
J.POYNER

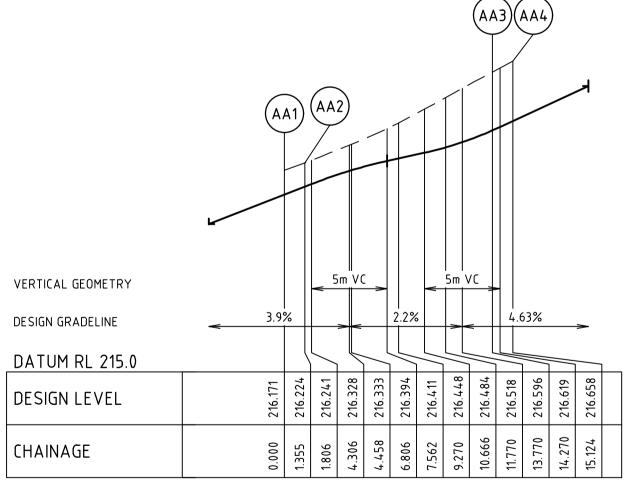
VIIIAWWA			
properties	Your		
Communities Designed for Living			
Designed	Checked		
H.HOGGARD	J.POYNER		
Authorised	Date		

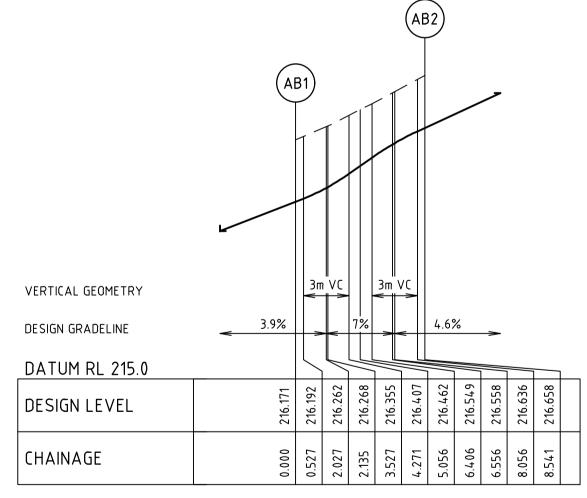
REDSTONE ESTATE STAGE 16
ROAD AND DRAINAGE
INTERSECTION DETAILS - SHEET
HUME CITY COUNCIL
VILLAWOOD PROPERTIES

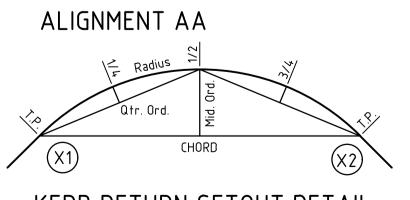




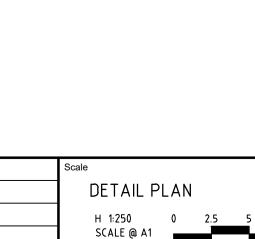


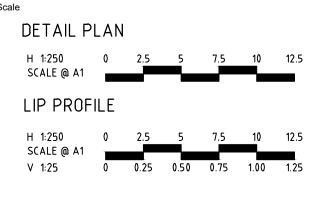






KERB RETURN SETOUT DETAIL





ALIGNMENT AB







20m VC

-1.4%

Checked J.POYNER Authorised J.POYNER APRIL 2024

8.5m VC VERTICAL GEOMETRY

DESIGN GRADELINE DATUM RL 220.0 DESIGN LEVEL CHAINAGE

ALIGNMENT AD

ALIGNMENT AD

1 / 4

1 / 2

3 / 4

POINT NO EASTING NORTHING RL

302142.814 5835487.265 221.244

302141.553 5835484.350 221.343

302141.436 5835481.176 221.409

302142.479 5835478.176 221.421

302144.540 5835475.759 221.385

AD1-AD2 8.600 12.778 11.634 2.266 -0.586

RADIUS ARC L CHORD MID ORD QTR ORD

# Redstone.

Your world awaits

REDSTONE ESTATE STAGE 16 **ROAD AND DRAINAGE INTERSECTION DETAILS - SHEET 10 HUME CITY COUNCIL** VILLAWOOD PROPERTIES

CONSTRUCTION 310066CR509

RADIUS ARC L CHORD MID ORD QTR ORD AB1-AB2 8.600 8.541 8.195 1.039 -0.264

ALIGNMENT AC

CHAINAGE

VERTICAL GEOMETRY

DATUM RL 220.0

DESIGN LEVEL

DESIGN GRADELINE

ALIGNMENT AC

A C 2

1 / 4

1 / 2

3 / 4

A C 3

CURVE

POINT NO EASTING

NORTHING RL

RADIUS ARC L CHORD MID ORD QTR ORD

302137.510 5835490.847 221.244

302136.226 5835488.944 221.310

302134.393 5835484.707 221.408

302134.223 5835480.094 221.458

302135.739 5835475.734 221.461

302138.734 5835472.221 221.417

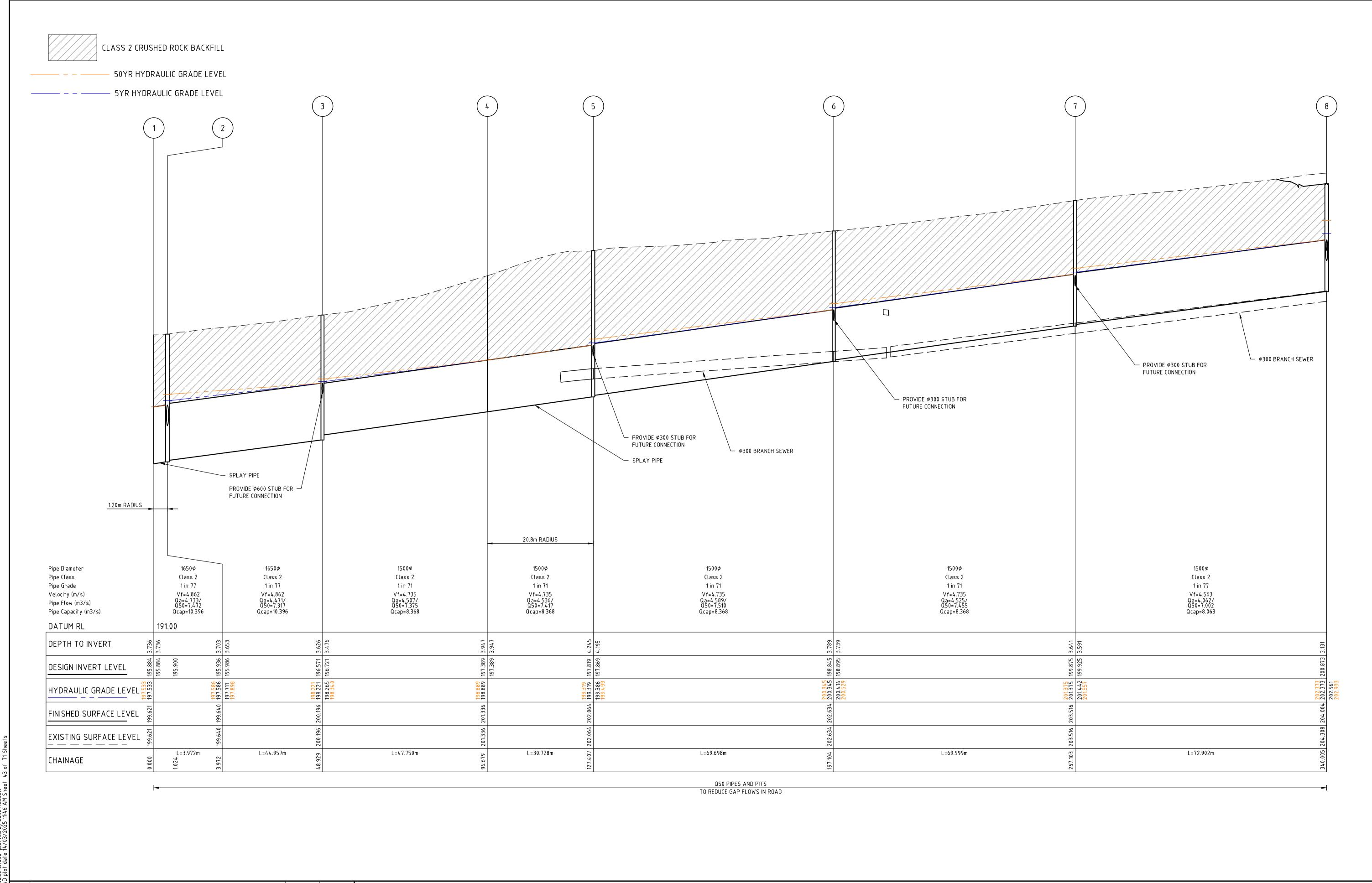
302140.521 5835470.779 221.385

ISSUED FOR CONSTRUCTION M.R 28/10/24 ISSUED TO COUNCIL M.T-S 26/04/24 Approved Date

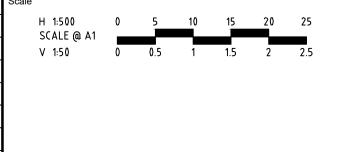
responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document. spiire.com.au

L6 414 LA TROBE STREET PO BOX 16084 MELBOURNE VICTORIA 8007 AUSTRALIA T 61 3 9993 7888 ABN 55 050 029 635

H.HOGGARD



0 ISSUED FOR CONSTRUCTION M.R 28/10/24 D DRAINAGE UPDATED M.R 20/09/24 M.T-S C DRAINAGE UPDATED 26/04/24 B AMENDED AS PER COUNCIL COMMENTS M.T-S 20/12/23 A ISSUED TO COUNCIL M.T-S 22/12/22 Approved Date Rev Amendments





© Spiire Australia Pty Ltd All Rights Reserved This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the L6 414 LA TROBE STREET PO BOX 16084 MELBOURNE retainer. Spiire Australia Pty Ltd does not and shall not assume any VICTORIA 8007 AUSTRALIA T 61 3 9993 7888 responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document. spiire.com.au ABN 55 050 029 635



VII OWOO properties	
Communities Designed for Living	
Designed H.HOGGARD	

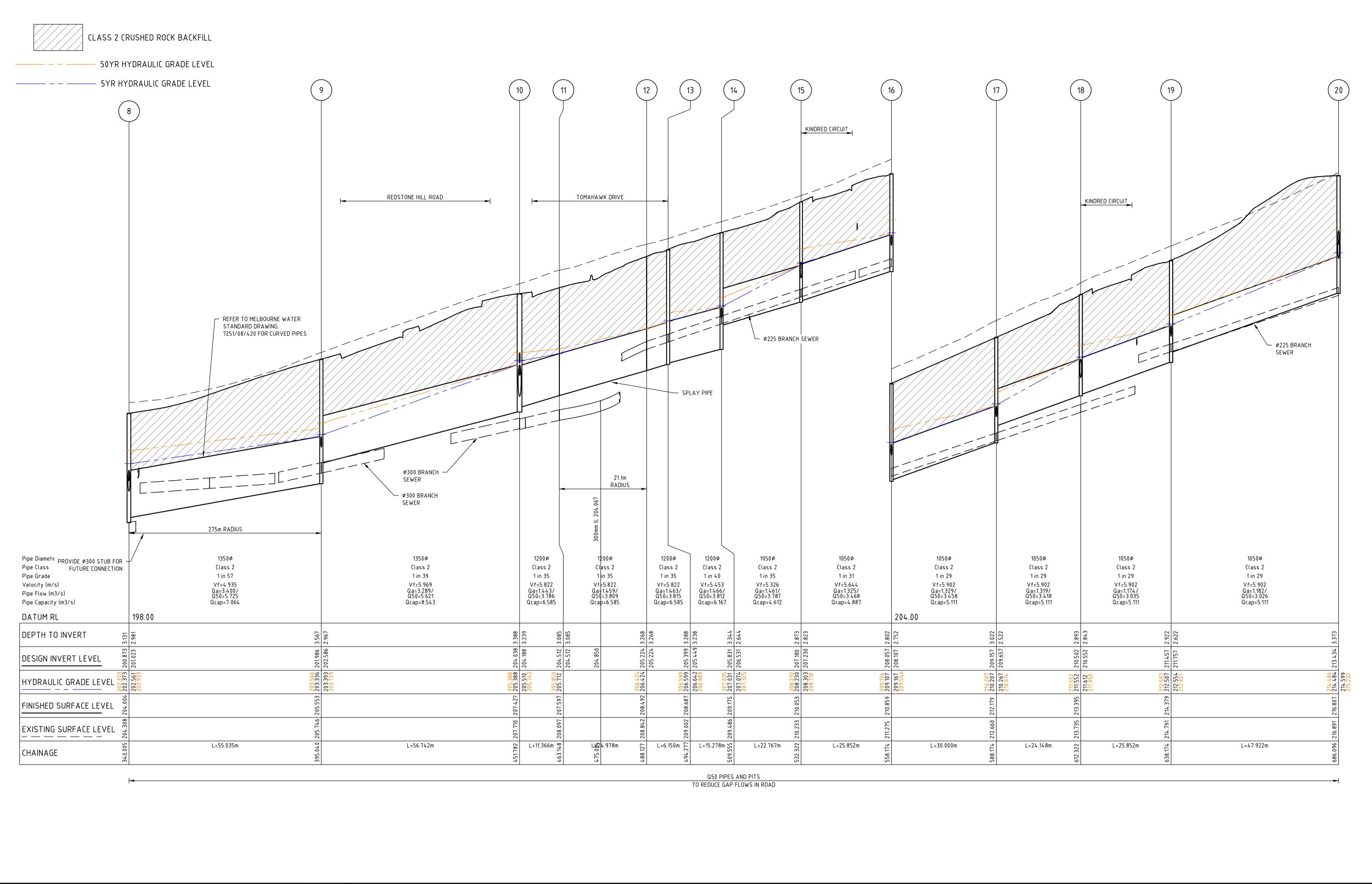
J.POYNER

properties	Your world awa		
Communities Designed for Living			
Designed	Checked		
H.HOGGARD	J.POYNER		
Authorised	Date		

APRIL 2024

Redstone.

REDSTONE ESTATE STAGE 16
ROAD AND DRAINAGE
DRAINAGE LONG SECTIONS - SHEET 1
HUME CITY COUNCIL
VILLAWOOD PROPERTIES



0 ISSUED FOR CONSTRUCTION D DRAINAGE UPDATED C DRAINAGE UPDATED B AMENDED AS PER COUNCIL COMMENTS A ISSUED TO COUNCIL Rev Amendments

H 1:500 0 5 10 15 20 25 SCALE @ A1 V 1:50 0 0.5 1 1.5 2 2.5

M.R

M.R

M.T-S

M.T-S

M.T-S

Approved

28/10/24

20/09/24

26/04/24

20/12/23

22/12/22

Date



responsibility or liability whatsoever to any third party arising out of

any use or reliance by third party on the content of this document.

spiire © Spiire Australia Pty Ltd All Rights Reserved This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the L6 414 LA TROBE STREET PO BOX 16084 MELBOURNE retainer. Spiire Australia Pty Ltd does not and shall not assume any

spiire.com.au



ABN 55 050 029 635

VICTORIA 8007 AUSTRALIA T 61 3 9993 7888



Authorised

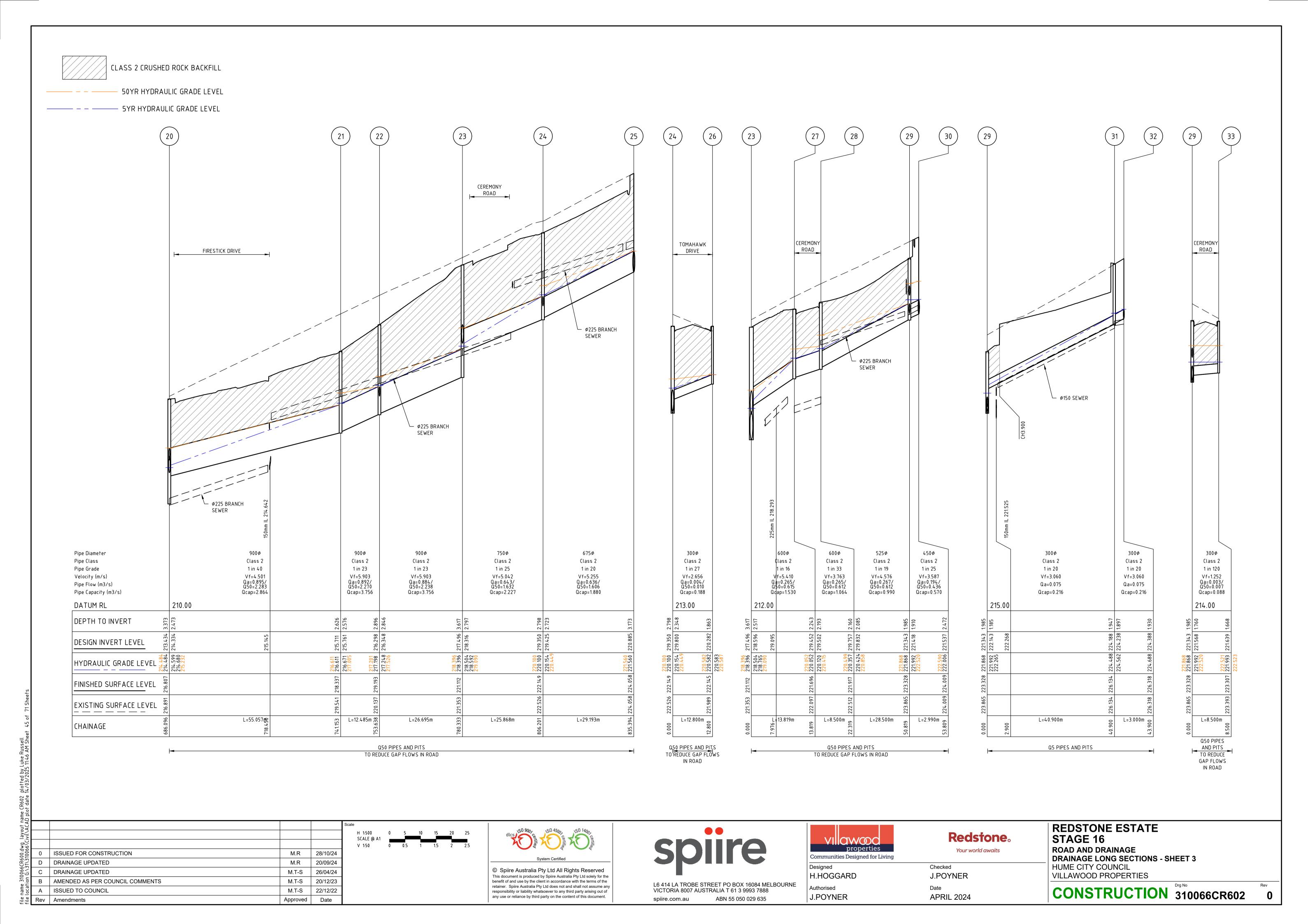
J.POYNER

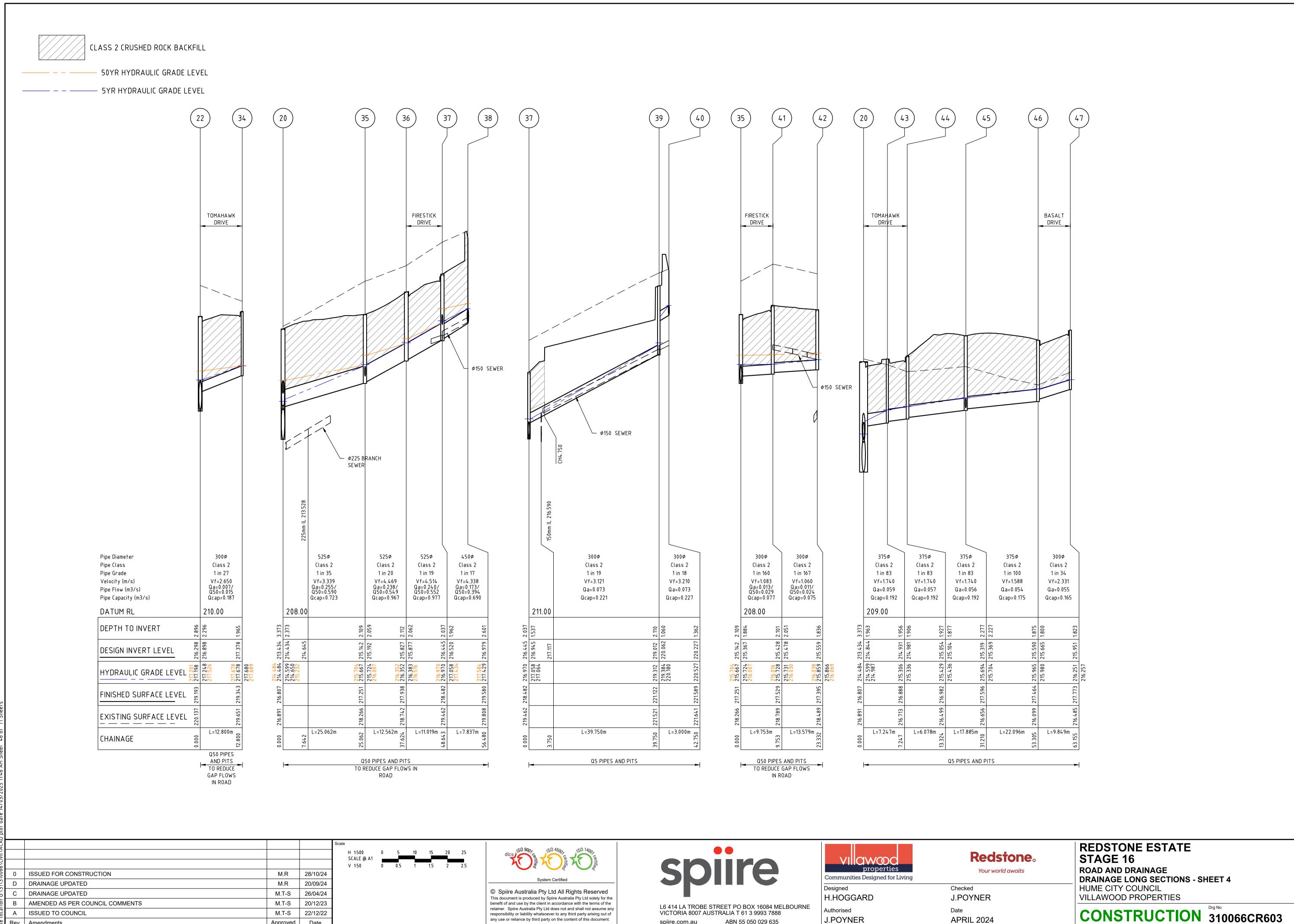
Your world awaits Checked J.POYNER Date

APRIL 2024

**Redstone**。

**REDSTONE ESTATE** STAGE 16 ROAD AND DRAINAGE DRAINAGE LONG SECTIONS - SHEET 2 HUME CITY COUNCIL VILLAWOOD PROPERTIES





Authorised

J.POYNER

APRIL 2024

VICTORIA 8007 AUSTRALIA T 61 3 9993 7888

ABN 55 050 029 635

spiire.com.au

retainer. Spiire Australia Pty Ltd does not and shall not assume any

responsibility or liability whatsoever to any third party arising out of

any use or reliance by third party on the content of this document.

A ISSUED TO COUNCIL

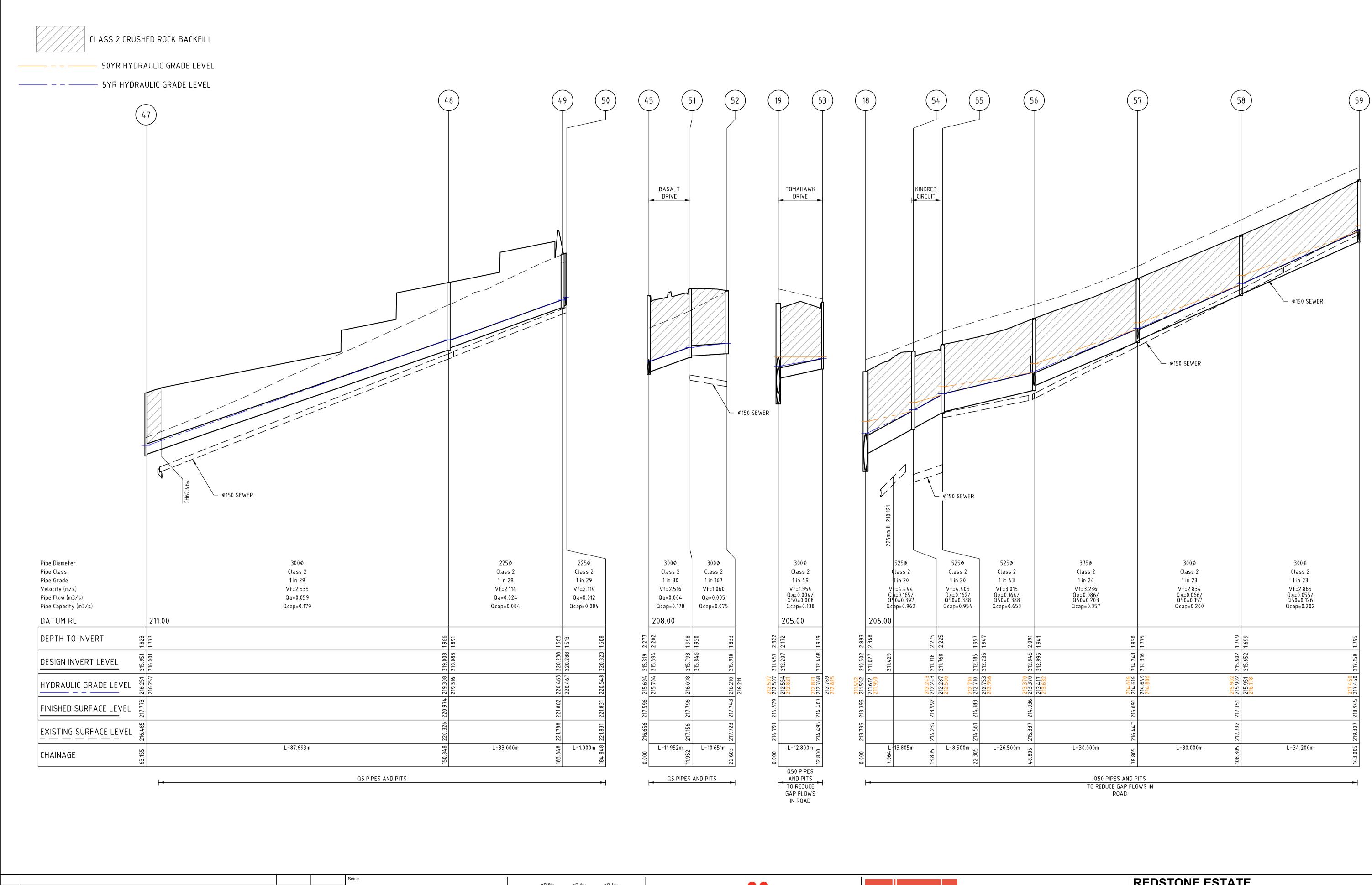
Rev Amendments

M.T-S

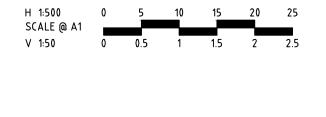
Approved

22/12/22

Date



ut ACA					5
layout :ivil\AC/					
wg 6\Ci					
name 310066CR600.dwg location G:\31\310066\C	0	ISSUED FOR CONSTRUCTION	M.R	28/10/24	
CR6 31\3	D	DRAINAGE UPDATED	M.R	20/09/24	
0066 G:∖∃	O	DRAINAGE UPDATED	M.T-S	26/04/24	
e 31( tion	В	AMENDED AS PER COUNCIL COMMENTS	M.T-S	20/12/23	
nam loca	Α	ISSUED TO COUNCIL	M.T-S	22/12/22	
:: <u>::</u>	Rev	Amendments	Approved	Date	





© Spiire Australia Pty Ltd All Rights Reserved This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.



VICTORIA 8007 AUSTRALIA T 61 3 9993 7888

ABN 55 050 029 635

spiire.com.au

Communities Designed for Living	VI	GWOC properties
Communities Designed for Living		properties

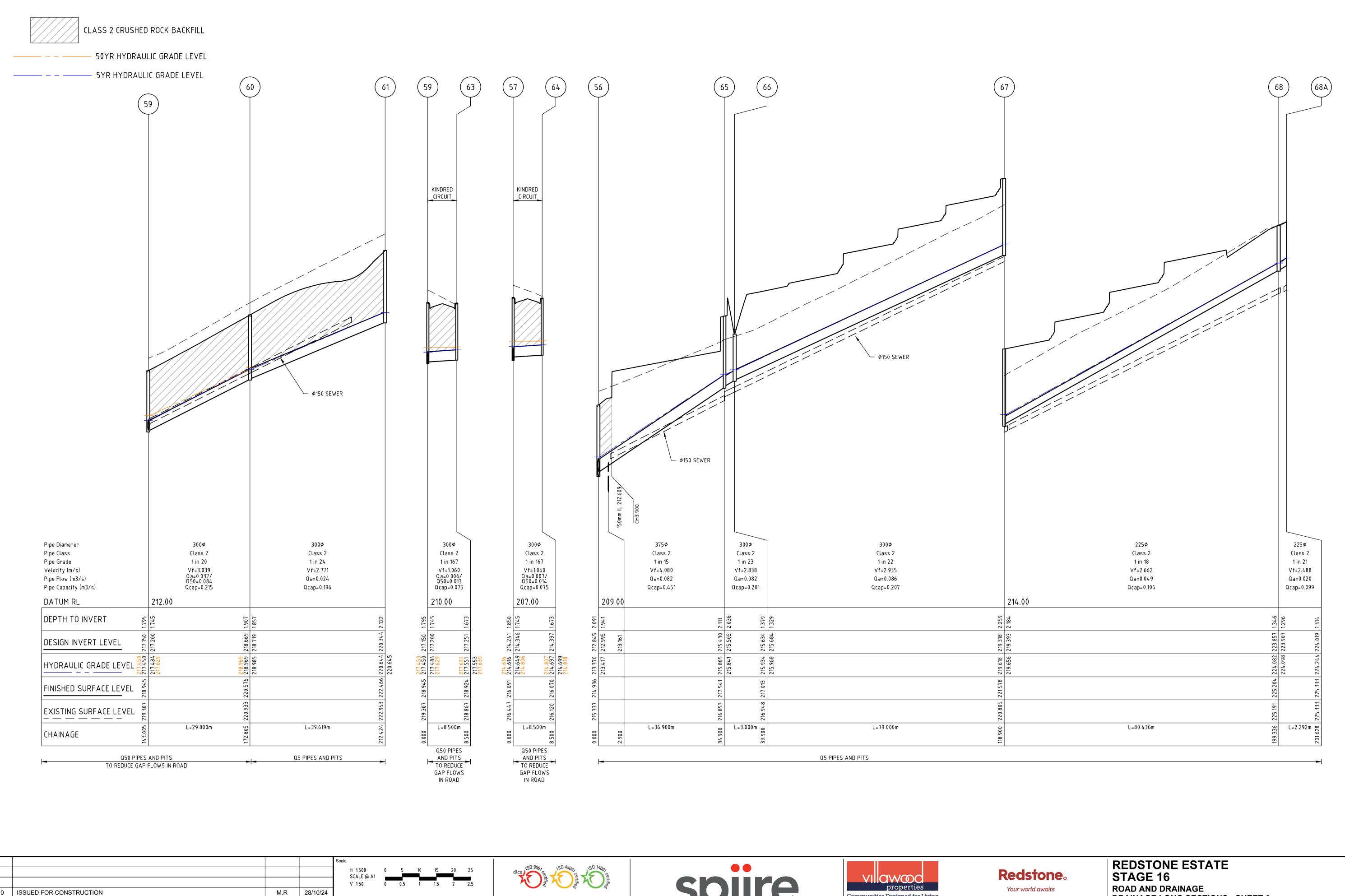
J.POYNER

properties
Communities Designed for Living
Designed H.HOGGARD
Authorised

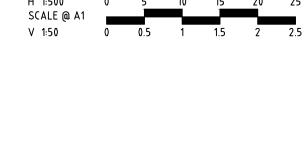
F	Redstone.
	Your world awaits
Checked	

	DR
Checked	HUI
J.POYNER	VILI
Date	C
APRIL 2024	C

**REDSTONE ESTATE** STAGE 16 ROAD AND DRAINAGE RAINAGE LONG SECTIONS - SHEET 5 UME CITY COUNCIL LLAWOOD PROPERTIES



0 ISSUED FOR CONSTRUCTION M.R D DRAINAGE UPDATED M.R 20/09/24 C DRAINAGE UPDATED M.T-S 26/04/24 B AMENDED AS PER COUNCIL COMMENTS M.T-S 20/12/23 A ISSUED TO COUNCIL M.T-S 22/12/22 Approved Date Rev Amendments





retainer. Spiire Australia Pty Ltd does not and shall not assume any

responsibility or liability whatsoever to any third party arising out of

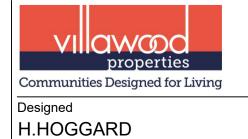
any use or reliance by third party on the content of this document.



VICTORIA 8007 AUSTRALIA T 61 3 9993 7888

ABN 55 050 029 635

spiire.com.au



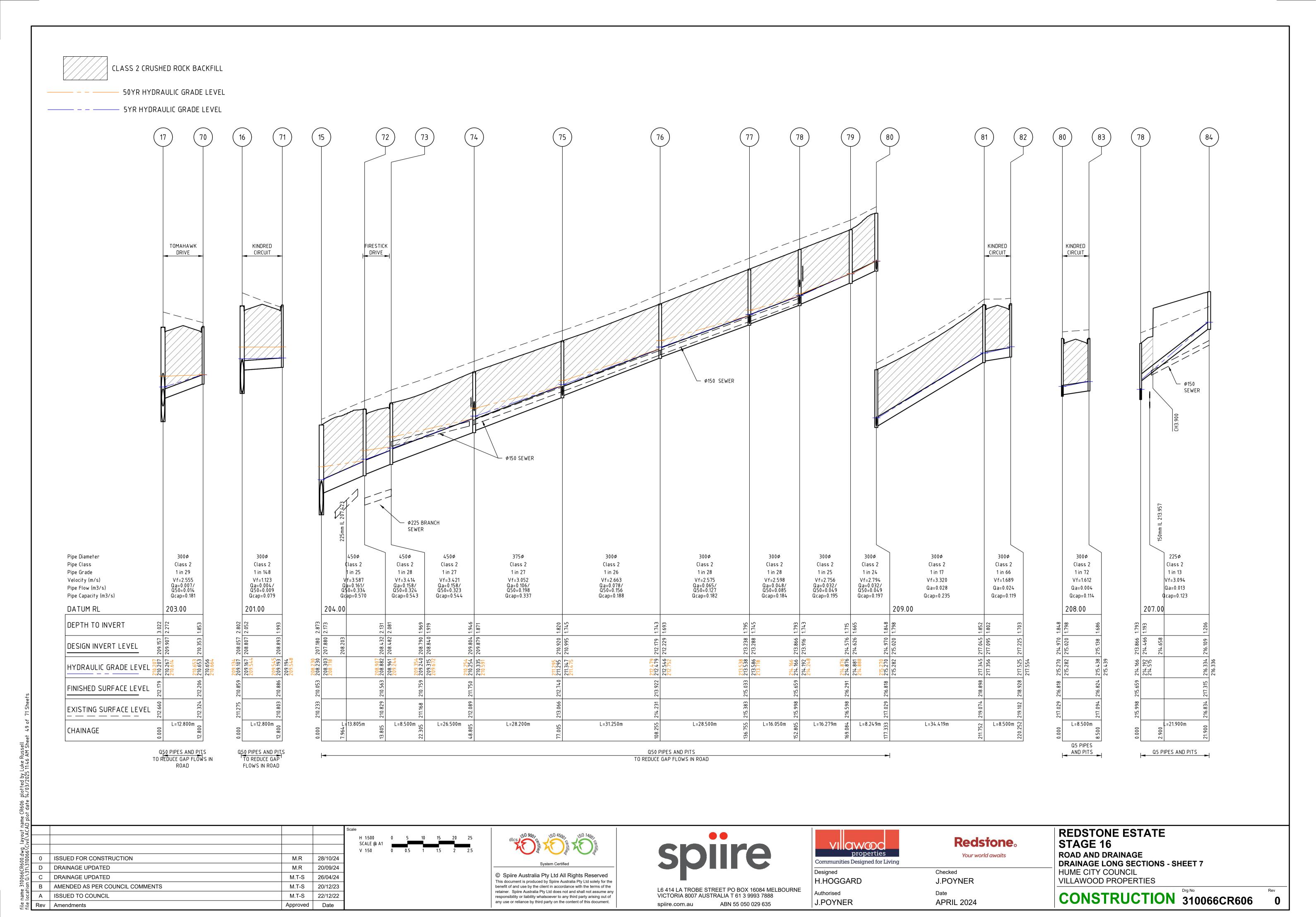
Authorised

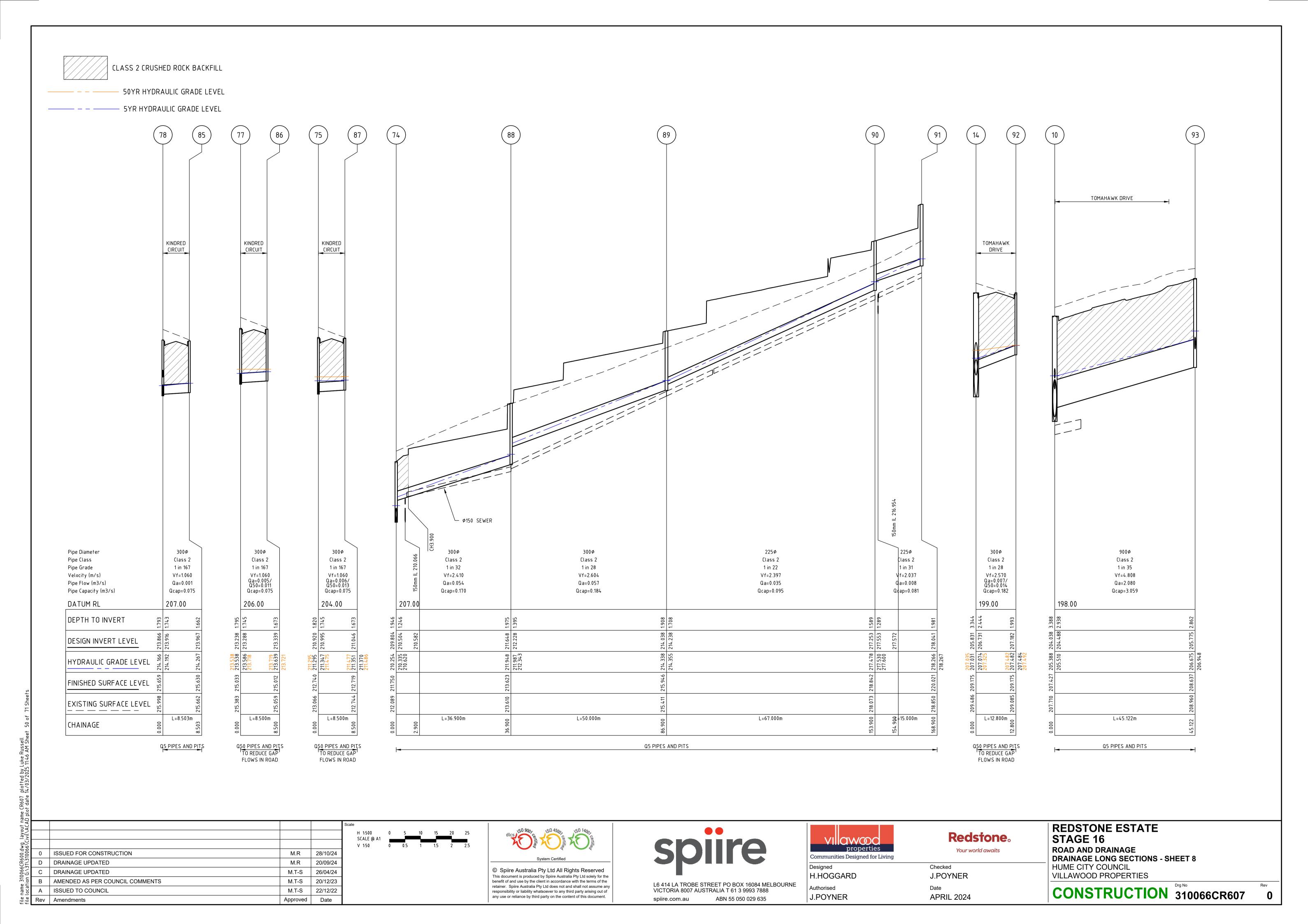
J.POYNER

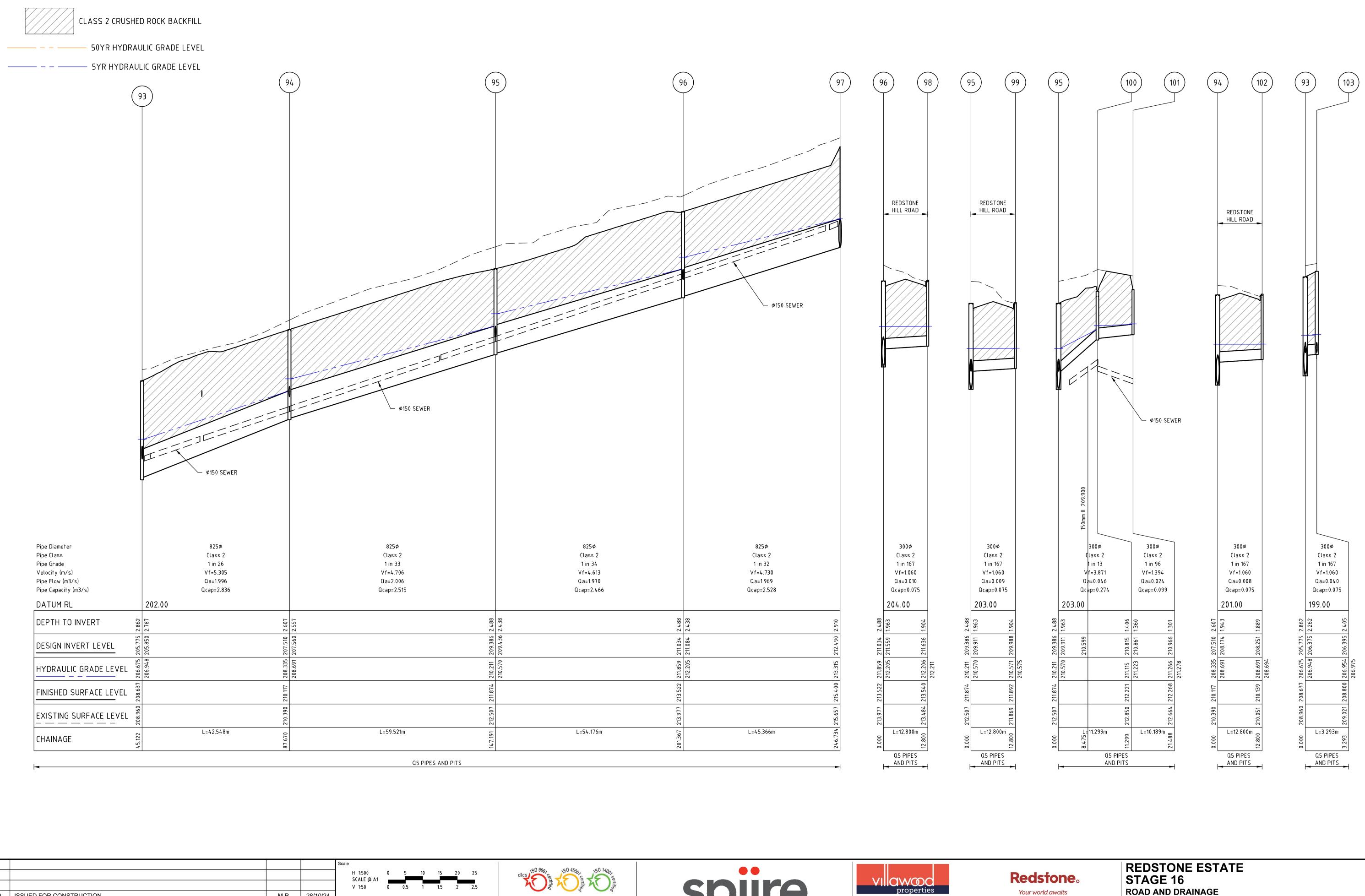
	Your world awaits
Checked J.POYN	IER
Date	

APRIL 2024

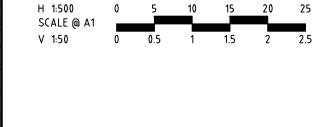
ROAD AND DRAINAGE DRAINAGE LONG SECTIONS - SHEET 6 HUME CITY COUNCIL VILLAWOOD PROPERTIES







0 ISSUED FOR CONSTRUCTION M.R 28/10/24 D DRAINAGE UPDATED M.R 20/09/24 C DRAINAGE UPDATED M.T-S 26/04/24 B AMENDED AS PER COUNCIL COMMENTS M.T-S 20/12/23 A ISSUED TO COUNCIL M.T-S 22/12/22 Approved Date Rev Amendments





© Spiire Australia Pty Ltd All Rights Reserved This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.



VICTORIA 8007 AUSTRALIA T 61 3 9993 7888

ABN 55 050 029 635

spiire.com.au

	VIIIQV
	pr
	Communities Des
	Designed
	H.HOGGARI
34 MELBOURNE 7888	Authorised

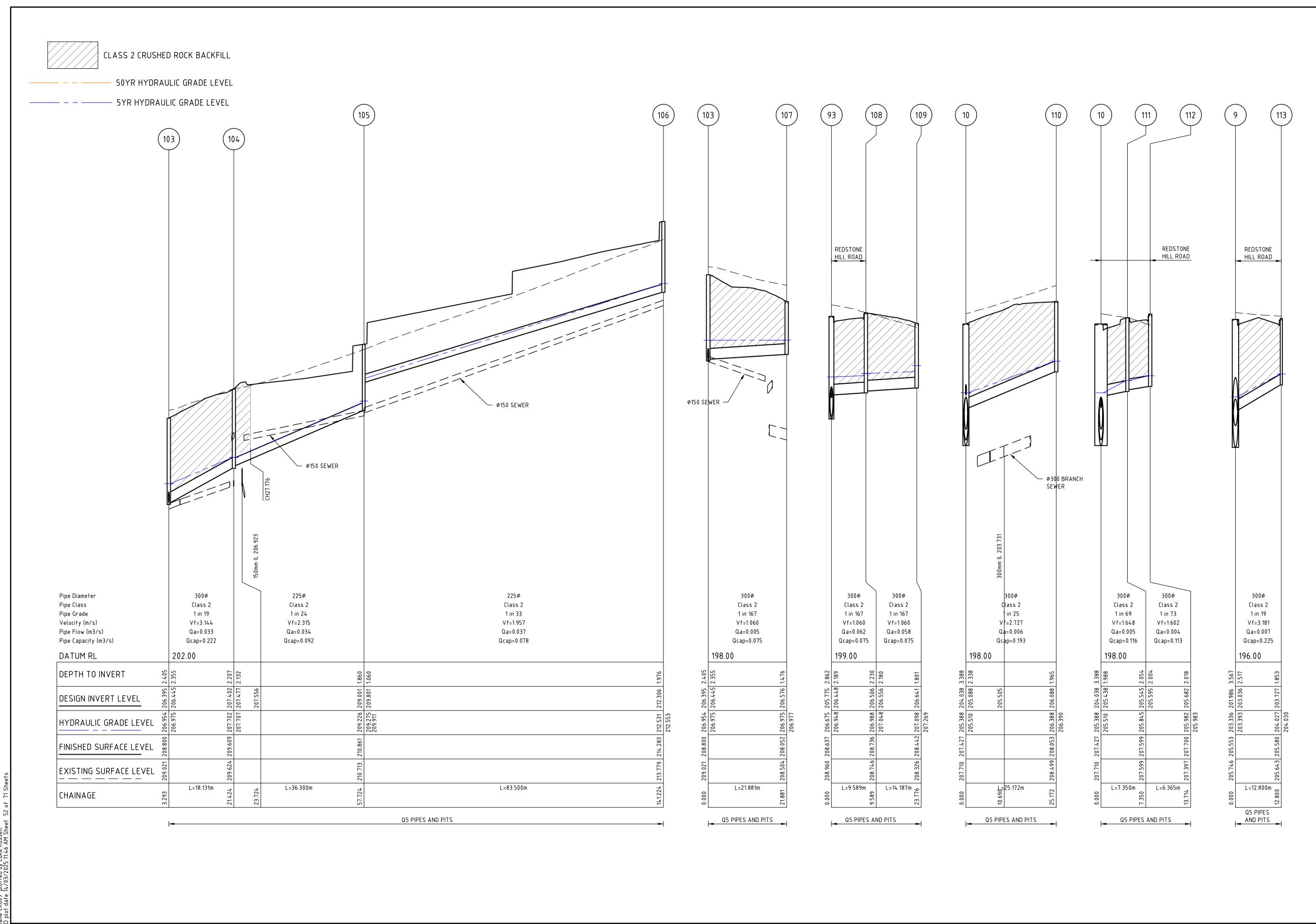
VIII GWGC
properties
Communities Designed for Living
Designed

J.POYNER

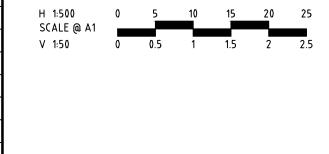
	Checked
RD	J.POYNER
	Date
	APRIL 2024

ROAD AND DRAINAGE DRAINAGE LONG SECTIONS - SHEET 9 HUME CITY COUNCIL

VILLAWOOD PROPERTIES CONSTRUCTION 310066CR608



0 ISSUED FOR CONSTRUCTION M.R 28/10/24 D DRAINAGE UPDATED M.R 20/09/24 M.T-S C DRAINAGE UPDATED 26/04/24 B AMENDED AS PER COUNCIL COMMENTS M.T-S 20/12/23 A ISSUED TO COUNCIL M.T-S 22/12/22 Approved Date Rev Amendments





retainer. Spiire Australia Pty Ltd does not and shall not assume any

responsibility or liability whatsoever to any third party arising out of

any use or reliance by third party on the content of this document.



VICTORIA 8007 AUSTRALIA T 61 3 9993 7888

ABN 55 050 029 635

spiire.com.au

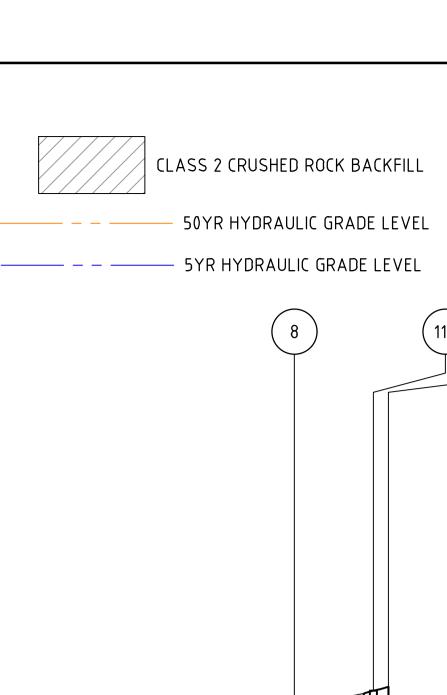


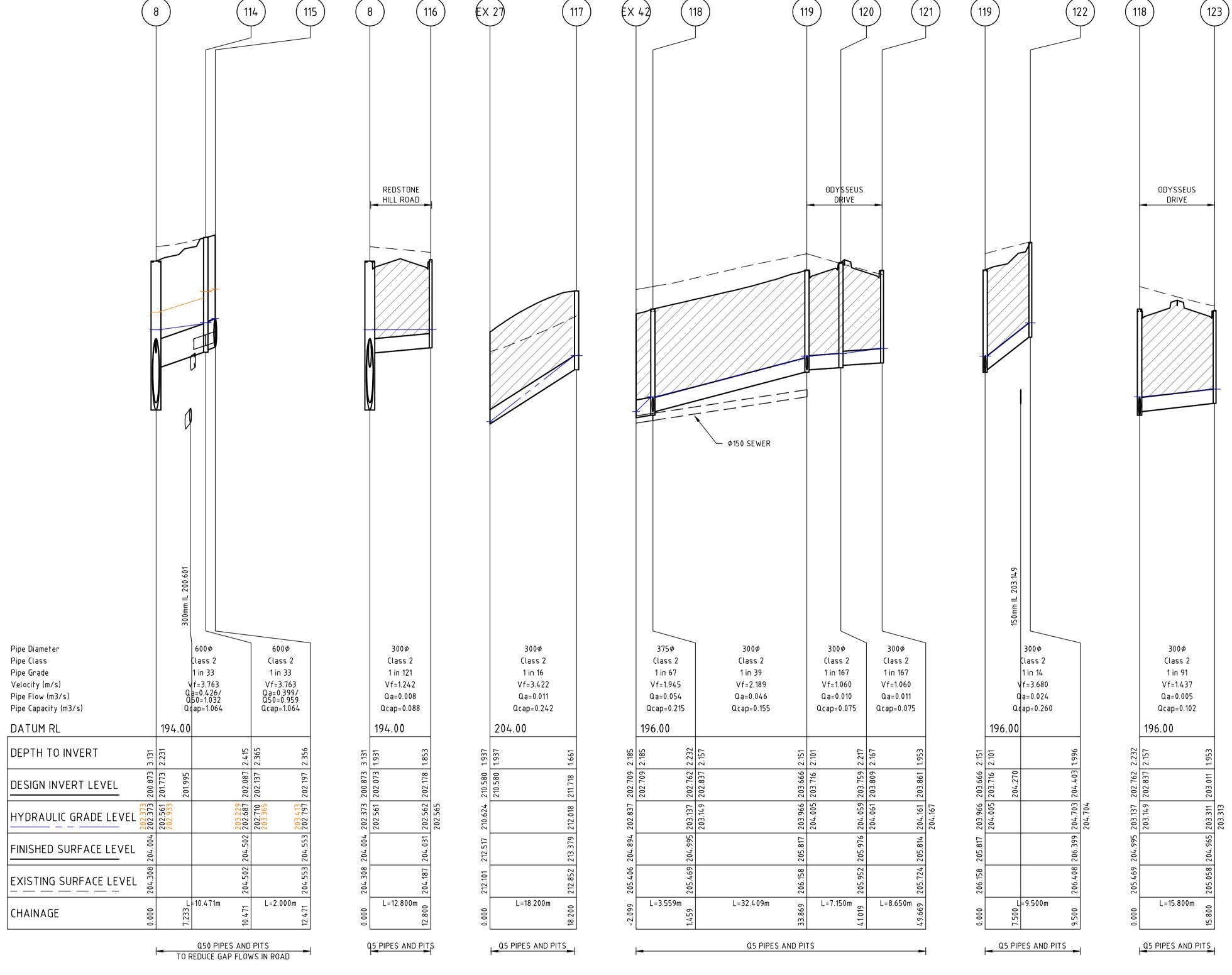
Designed Checked
H.HOGGARD J.POYNER
Authorised Date
J.POYNER APRIL 2024

Redstone.

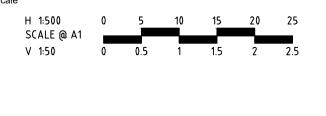
Your world awaits

REDSTONE ESTATE STAGE 16
ROAD AND DRAINAGE
<b>DRAINAGE LONG SECTIONS - SHEET 10</b>
HUME CITY COUNCIL
VILLAWOOD PROPERTIES





р					
ACAD					Scale
′/					
6\Ci					
31\310066\Civil	0	ISSUED FOR CONSTRUCTION	M.R	28/10/24	
31/3	D	DRAINAGE UPDATED	M.R	20/09/24	
اق	С	DRAINAGE UPDATED	M.T-S	26/04/24	
ocation	В	AMENDED AS PER COUNCIL COMMENTS	M.T-S	20/12/23	
loca	Α	ISSUED TO COUNCIL	M.T-S	22/12/22	
file	Rev	Amendments	Approved	Date	





This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the

retainer. Spiire Australia Pty Ltd does not and shall not assume any

responsibility or liability whatsoever to any third party arising out of

any use or reliance by third party on the content of this document.

spiire L6 414 LA TROBE STREET PO BOX 16084 MELBOURNE

VICTORIA 8007 AUSTRALIA T 61 3 9993 7888

ABN 55 050 029 635

spiire.com.au



Authorised

J.POYNER

Checked H.HOGGARD J.POYNER APRIL 2024

Redstone.

Your world awaits

**REDSTONE ESTATE** STAGE 16 ROAD AND DRAINAGE DRAINAGE LONG SECTIONS - SHEET 11 HUME CITY COUNCIL VILLAWOOD PROPERTIES

_ UKA	INAGE PIT SCHE	DULE								T
	PIT	INTE	RNAL	I	NLET	(	DUTLET	PII	Г	REMARKS
NAME	TYPE	WIDTH	LENGTH	DIA	INV LEVEL	DIA	INV LEVEL	FS LEVEL	DEPTH	
TP1	TANGENT POINT	0	0	1650	195.884			199.621	3.736	
2	JUNCTION PIT	2250	1050	1650	195.986	1650	195.936	199.640	3.703	REFER TO EDCM STD FIG 608
3	JUNCTION PIT	2250	900	600 1500	196.986 196.721	1650	196.571	200.196	3.626	REFER TO EDCM STD FIG 608. FUTURE GSEP
				300	197.921					
TP4	TANGENT POINT JUNCTION PIT	2100	900	1500 1500	197.389 197.869	1500 1500	197.389 197.819	201.336 202.064	3.947 4.245	REFER TO EDCM STD FIG 608. FUTURE GSEP
5	JUNCTION PIT	2100	900	300	197.869	1500	197.019	202.004	4.245	REFER TO EDUM STD FIG 600. FOTORE GSEP
6	JUNCTION PIT	2100	900	1500	198.895	1500	198.845	202.634	3.789	REFER TO EDCM STD FIG 608. FUTURE GSEP
7	JUNCTION PIT	2100	900	300 1500	200.045 199.925	1500	199.875	203.516	3.641	REFER TO EDCM STD FIG 608. FUTURE GSEP
,	JONETIONTTI	2100	700	300	201.042	1500	177.075	203.510	3.041	NET EN TO EDELT STOTING GOO. TO TORKE GOE!
8	GRATED SIDE ENTRY PIT	2100	1050	1350	201.023	1500	200.873	204.004	3.131	REFER TO EDCM STD FIG 601 AND 607. HEAVY DUTY LID
				300	201.773					
9	GRATED SIDE ENTRY PIT	1800	900	1350	202.586	1350	201.986	205.553	3.567	REFER TO EDCM STD FIG 601 AND 607
10	GRATED SIDE ENTRY PIT	3300	1350	300 1200	203.036	1350	204.038	207.427	3.388	REFER TO EDCM STD FIG 603 AND 607
10	GRATED SIDE ENTRY PIT	3300	1550	900	204.488	1000	204.038	201.421	3.300	REFER TO EDCH STD FIG 003 AND 007
				300	205.088					
TP11	TANGENT POINT	0	0	300 1200	205.438	1200	204.512	207.597	3.085	
TP12	TANGENT POINT	0	0	1200	205.224	1200	205.224	207.337	3.268	
13	GRATED SIDE ENTRY PIT	1650	900	1200	205.449	1200	205.399	208.687	3.288	REFER TO EDCM STD FIG 601 AND 607
14	DOUBLE SIDE ENTRY PIT	1650	900	1050 300	206.531 206.731	1200	205.831	209.175	3.344	REFER TO EDCM STD FIG 602 AND 607
15	JUNCTION PIT	1350	900	1050	207.230	1050	207.180	210.053	2.873	REFER TO EDCM STD FIG 607
				450	207.880					
16	DOUBLE SIDE ENTRY PIT	1350	900	1050 300	208.107	1050	208.057	210.859	2.802	REFER TO EDCM STD FIG 602 AND 607
17	DOUBLE SIDE ENTRY PIT	1350	900	1050	209.657	1050	209.157	212.179	3.022	REFER TO EDCM STD FIG 602 AND 607
				300	209.907					
18	JUNCTION PIT	1350	900	1050 525	210.552 211.027	1050	210.502	213.395	2.893	REFER TO EDCM STD FIG 607
19	DOUBLE SIDE ENTRY PIT	1350	900	1050	211.757	1050	211.457	214.379	2.922	REFER TO EDCM STD FIG 602 AND 607
				300	212.207					
20	DOUBLE SIDE ENTRY PIT	2400	900	900 525	214.334 214.434	1050	213.434	216.807	3.373	REFER TO EDCM STD FIG 604 AND 607
				375	214.844					
21	DOUBLE SIDE ENTRY PIT	1200	900	900	215.761	900	215.711	218.337	2.626	REFER TO EDCM STD FIG 602 AND 607
22	DOUBLE SIDE ENTRY PIT	1200	900	900 300	216.348 216.898	900	216.298	219.193	2.896	REFER TO EDCM STD FIG 602 AND 607
23	JUNCTION PIT	1200	900	750	218.316	900	217.496	221.112	3.617	REFER TO EDCM STD FIG 608
				600	218.596					
24	DOUBLE SIDE ENTRY PIT	1050	900	675 300	219.425 219.800	750	219.350	222.149	2.798	REFER TO EDCM STD FIG 602 AND 607
25	ENDPIPE	0	0			675	220.885	224.058	3.173	BLANK END WITH MARINE PLY
26	DOUBLE SIDE ENTRY PIT	600	900	675	220.885	300	220.282	222.145	1.863	REFER TO EDCM STD FIG 602 AND 605
27	DOUBLE SIDE ENTRY PIT	900	900	600	219.502	600	219.452	221.696	2.243	REFER TO EDCM STD FIG 602 AND 607
28	GRATED SIDE ENTRY PIT	900	900	525	219.832	600	219.757	221.917	2.160	REFER TO EDCM STD FIG 601 AND 607
29	DOUBLE SIDE ENTRY PIT	900	900	450 300	221.418 222.143	525	221.343	223.328	1.985	REFER TO EDCM STD FIG 602 AND 605
				300	221.568					
30	ENDPIPE	0	0			450	221.537	224.009	2.472	BLANK END WITH MARINE PLY
31	JUNCTION PIT	600	900	450 300	221.537 224.238	300	224.188	226.134	1.947	REFER TO EDCM STD FIG 605
32	ENDPIPE	0	0		224.236	300	224.388	226.134	1.930	BLANK END WITH MARINE PLY
				300	224.388					
33 34	GRATED SIDE ENTRY PIT DOUBLE SIDE ENTRY PIT	600	900			300 300	221.639 217.378	223.307 219.343	1.668 1.965	REFER TO EDCM STD FIG 601 AND 605 REFER TO EDCM STD FIG 602 AND 605
35	DOUBLE SIDE ENTRY PIT	1050	900	525	215.192	525	215.142	217.251	2.109	REFER TO EDCM STD FIG 602 AND 607
				300	215.367					
36 37	JUNCTION PIT DOUBLE SIDE ENTRY PIT	900	1050 1050	525 450	215.877 216.520	525 525	215.827 216.445	217.938 218.482	2.112	REFER TO EDCM STD FIG 607. HEAVY DUTY LID REFER TO EDCM STD FIG 602 AND 607
31	DOODLE SIDE ENTRY PIT	900	1030	300	216.945	525	210.445	210.402	2.037	REFER TO EDCH STD FIG 602 AND 607
38	ENDPIPE	0	0			450	216.979	219.580	2.601	BLANK END WITH MARINE PLY
39	JUNCTION PIT	600	900	450 300	216.979 220.062	300	219.012	221.122	2.110	REFER TO EDCM STD FIG 607
40	ENDPIPE	0	0	300	220.062	300	220.227	221.122	1.362	BLANK END WITH MARINE PLY
				300	220.227					
41	GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT	900	900	300	215.478	300 300	215.428 215.559	217.529 217.395	2.101 1.836	REFER TO EDCM STD FIG 601 AND 607 REFER TO EDCM STD FIG 603 AND 605
42	GRATED SIDE ENTRY PIT	600	900	375	214.981	375	214.931	216.888	1.956	REFER TO EDCM STD FIG 603 AND 605
44	GRATED SIDE ENTRY PIT	600	900	375	215.104	375	215.054	216.982	1.927	REFER TO EDCM STD FIG 603 AND 605
45	JUNCTION PIT	900	900	375	215.369	375	215.319	217.596	2.277	REFER TO EDCM STD FIG 607
46	JUNCTION PIT	750	900	300 300	215.394 215.665	375	215.590	217.464	1.875	REFER TO EDCM STD FIG 607
47	JUNCTION PIT	600	900	300	216.001	300	215.951	217.773	1.823	REFER TO EDCM STD FIG 605
48	JUNCTION PIT	600	900	225	219.083	300	219.008	220.974	1.966	REFER TO EDCM STD FIG 605
49 50	GRATED JUNCTION PIT ENDPIPE	600	900	225	220.288	225 225	220.238 220.323	221.800 221.831	1.562 1.508	REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  BLANK END WITH MARINE PLY
				225	220.323		224,323	221.031	1.500	
51	JUNCTION PIT	600	900	300	215.846	300	215.798	217.796	1.998	REFER TO EDCM STD FIG 605
52 53	GRATED SIDE ENTRY PIT  DOUBLE SIDE ENTRY PIT	600	900			300 300	215.910 212.468	217.743 214.407	1.833 1.939	REFER TO EDCM STD FIG 603 AND 605 REFER TO EDCM STD FIG 602 AND 605
54	DOUBLE SIDE ENTRY PIT	900	900	525	211.768	525	211.718	213.992	2.275	REFER TO EDCM STD FIG 602 AND 607

55 56	GRATED SIDE ENTRY PIT  DOUBLE SIDE ENTRY PIT	900	900	525 375	212.235 212.995	525 525	212.185 212.845	214.183 214.936	2.000	REFER TO EDCM STD FIG 601 AND 607  REFER TO EDCM STD FIG 602 AND 607
, o	DOODLE SIDE ENTITY IT	700	700	375	212.995	323	212.043	214.750	2.071	REFER TO EBETT STB FIG 002 AND 007
57	DOUBLE SIDE ENTRY PIT	600	900	300	214.316	375	214.241	216.091	1.850	REFER TO EDCM STD FIG 602 AND 605
58	DOUBLE SIDE ENTRY PIT	600	900	300 300	214.346 215.652	300	215.602	217.351	1.749	REFER TO EDCM STD FIG 602 AND 605
59	DOUBLE SIDE ENTRY PIT	600	900	300	217.200	300	217.150	218.945	1.743	REFER TO EDCM STD FIG 602 AND 605
				300	217.200					
60	DOUBLE SIDE ENTRY PIT	600	900	300	218.719	300	218.669	220.576	1.907	REFER TO EDCM STD FIG 602 AND 605
61	JUNCTION PIT	900	900			300	220.344	222.466	2.122	REFER TO EDCM STD FIG 607
63	GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT	600	900			300	217.251 214.397	218.924 216.070	1.673 1.673	REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 601 AND 605
65	JUNCTION PIT	900	900	300	215.505	375	215.430	217.541	2.111	REFER TO EDCM STD FIG 607
66	GRATED JUNCTION PIT	600	900	300	215.684	300	215.634	217.013	1.379	REFER TO EDCM STD FIG 605 AND HUME STD FIG 225
67	JUNCTION PIT	900	900	225	219.393	300	219.318	221.578	2.259	REFER TO EDCM STD FIG 607
68	JUNCTION PIT	600	900	225	223.907	225	223.857	225.204	1.346	REFER TO EDCM STD FIG 605
68A	ENDPIPE	0	0			225	224.019	225.333	1.314	BLANK END WITH MARINE PLY
70	DOUBLE SIDE ENTRY PIT	600	900			300	210.353	212.206 210.886	1.853	REFER TO EDCM STD FIG 602 AND 605
71 72	DOUBLE SIDE ENTRY PIT  DOUBLE SIDE ENTRY PIT	900	900	450	208.482	450	208.893	210.563	1.993 2.131	REFER TO EDCM STD FIG 602 AND 605  REFER TO EDCM STD FIG 602 AND 607
73	GRATED SIDE ENTRY PIT	750	900	450	208.840	450	208.790	210.759	1.969	REFER TO EDCM STD FIG 601 AND 607
74	DOUBLE SIDE ENTRY PIT	750	900	375	209.879	450	209.804	211.750	1.946	REFER TO EDCM STD FIG 602 AND 607
				300	210.504					
75	DOUBLE SIDE ENTRY PIT	600	900	300	210.995	375	210.920	212.740	1.820	REFER TO EDCM STD FIG 602 AND 605
7.6	DOUBLE CIDE ENTRY DIT	600	000	300	210.995	200	212 170	242.022	17/7	DEEED TO EDOM STD EIG (A2 AND (A5
76 77	DOUBLE SIDE ENTRY PIT  DOUBLE SIDE ENTRY PIT	600	900	300 300	212.229 213.288	300	212.179 213.238	213.922 215.033	1.743 1.795	REFER TO EDCM STD FIG 602 AND 605  REFER TO EDCM STD FIG 602 AND 605. HEAVY DUTY LID
11	DOODLE SIDE LIVER FILE	000	700	300	213.288	000	۵ ا ع. ک ع	£ (V.V.)	1. 1 3 3	ALIEN TO EDETI STD TIG 002 AND 003. HEAVT DOTT LID
78	JUNCTION PIT	600	900	300	213.916	300	213.866	215.659	1.793	REFER TO EDCM STD FIG 605
				225	214.466					
				300	213.916					
79	JUNCTION PIT	600	900	300	214.626	300	214.576	216.291	1.715	REFER TO EDCM STD FIG 605
80	JUNCTION PIT	600	900	300 300	215.020 215.020	300	214.970	216.818	1.848	REFER TO EDCM STD FIG 605
81	GRATED SIDE ENTRY PIT	600	900	300	215.020	300	217.045	218.898	1.852	REFER TO EDCM STD FIG 601 AND 605
82	GRATED SIDE ENTRY PIT	600	900	, ,,,,	2	300	217.225	218.928	1.703	REFER TO EDCM STD FIG 601 AND 605
83	GRATED SIDE ENTRY PIT	600	900			300	215.138	216.824	1.686	REFER TO EDCM STD FIG 601 AND 605
84	JUNCTION PIT	600	900			225	216.109	217.315	1.206	REFER TO EDCM STD FIG 605
85	JUNCTION PIT	600	900			300	213.967	215.630	1.662	REFER TO EDCM STD FIG 605
86	GRATED SIDE ENTRY PIT	600	900			300	213.339	215.012	1.673	REFER TO EDCM STD FIG 601 AND 605. HEAVY DUTY LID
87 88	GRATED SIDE ENTRY PIT  JUNCTION PIT	600	900	300	212.228	300	211.046	212.719 213.623	1.673 1.975	REFER TO EDCM STD FIG 601 AND 605. HEAVY DUTY LID REFER TO EDCM STD FIG 605
89	JUNCTION PIT	600	900	225	214.238	300	214.038	215.946	1.975	REFER TO EDCM STD FIG 605
90	JUNCTION PIT	600	900	225	217.553	225	217.253	218.842	1.589	REFER TO EDCM STD FIG 605
91	JUNCTION PIT	600	900			225	218.041	220.021	1.981	REFER TO EDCM STD FIG 605
92	DOUBLE SIDE ENTRY PIT	600	900			300	207.182	209.175	1.993	REFER TO EDCM STD FIG 602 AND 605
93	GRATED SIDE ENTRY PIT	1350	900	825	205.850	900	205.775	208.637	2.862	REFER TO EDCM STD FIG 601 AND 607
	+			300 300	206.375					
94	GRATED SIDE ENTRY PIT	1200	900	825	206.448	825	207.510	210.117	2.607	REFER TO EDCM STD FIG 601 AND 607
				300	208.174		··			
95	GRATED SIDE ENTRY PIT	1200	900	825	209.436	825	209.386	211.874	2.488	REFER TO EDCM STD FIG 601 AND 607
				300	209.911					
	į.	1	000	300	209.911 211.084	825	244.027	047.500	2.488	REFER TO EDCM STD FIG 601 AND 607
06	CDATED CIDE CHIESE DIT	12.0.0	900	825	/ 11 UX/.	. ~/-		1 174 3 1 1771	. ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	LECTER LITERUM STILLEN BUL ANIL 607
96	GRATED SIDE ENTRY PIT	1200		31111		025	211.034	213.522	2.400	NEI EN TO EBETT STB FIG OUT AND OUT
96	GRATED SIDE ENTRY PIT ENDPIPE	1200	0	300	211.559	825	212.490	213.522	2.466	BLANK END WITH MARINE PLY
			0	825						
97	ENDPIPE  GRATED SIDE ENTRY PIT	0	900		211.559	825	212.490 211.636	215.400	2.910	BLANK END WITH MARINE PLY  REFER TO EDCM STD FIG 601 AND 605
97 98 99	ENDPIPE  GRATED SIDE ENTRY PIT  GRATED SIDE ENTRY PIT	600 600	900	825	211.559 212.490	825 300 300	212.490 211.636 209.988	215.400 213.540 211.892	2.910 1.904 1.904	BLANK END WITH MARINE PLY  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 601 AND 605
97 98 99 100	ENDPIPE  GRATED SIDE ENTRY PIT  GRATED SIDE ENTRY PIT  GRATED JUNCTION PIT	600 600 600	900 900 900		211.559	825 300 300 300	212.490 211.636 209.988 210.815	215.400 213.540 211.892 212.221	2.910 1.904 1.904 1.406	BLANK END WITH MARINE PLY  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225
97 98 99 100 101	ENDPIPE  GRATED SIDE ENTRY PIT  GRATED SIDE ENTRY PIT  GRATED JUNCTION PIT  GRATED JUNCTION PIT	600 600 600 600	900 900 900 900	825	211.559 212.490	300 300 300 300 300	212.490 211.636 209.988 210.815 210.966	215.400 213.540 211.892 212.221 212.268	2.910 1.904 1.904 1.406 1.301	BLANK END WITH MARINE PLY  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225
97 98 99 100	ENDPIPE  GRATED SIDE ENTRY PIT  GRATED SIDE ENTRY PIT  GRATED JUNCTION PIT	600 600 600	900 900 900	825	211.559 212.490	825 300 300 300	212.490 211.636 209.988 210.815	215.400 213.540 211.892 212.221	2.910 1.904 1.904 1.406	BLANK END WITH MARINE PLY  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225
97 98 99 100 101	ENDPIPE  GRATED SIDE ENTRY PIT  GRATED SIDE ENTRY PIT  GRATED JUNCTION PIT  GRATED JUNCTION PIT  GRATED SIDE ENTRY PIT	600 600 600 600 600	900 900 900 900 900	825 300	211.559 212.490 210.861	300 300 300 300 300 300	212.490 211.636 209.988 210.815 210.966 208.251	215.400 213.540 211.892 212.221 212.268 210.139	2.910 1.904 1.904 1.406 1.301 1.889	BLANK END WITH MARINE PLY  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 601 AND 605
97 98 99 100 101	ENDPIPE  GRATED SIDE ENTRY PIT  GRATED SIDE ENTRY PIT  GRATED JUNCTION PIT  GRATED JUNCTION PIT  GRATED SIDE ENTRY PIT	600 600 600 600 600	900 900 900 900 900	825 300 300	211.559 212.490 210.861 206.445	300 300 300 300 300 300	212.490 211.636 209.988 210.815 210.966 208.251	215.400 213.540 211.892 212.221 212.268 210.139	2.910 1.904 1.904 1.406 1.301 1.889	BLANK END WITH MARINE PLY  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 601 AND 605
97 98 99 100 101 102 103	ENDPIPE  GRATED SIDE ENTRY PIT  GRATED SIDE ENTRY PIT  GRATED JUNCTION PIT  GRATED JUNCTION PIT  GRATED SIDE ENTRY PIT  JUNCTION PIT  JUNCTION PIT  JUNCTION PIT	0 600 600 600 600 900 900	900 900 900 900 900 900 900	300 300 300	211.559 212.490 210.861 206.445 206.445	300 300 300 300 300 300 300 300 225	212.490 211.636 209.988 210.815 210.966 208.251 206.395 207.402 209.001	215.400 213.540 211.892 212.221 212.268 210.139 208.800 209.609 210.861	2.910 1.904 1.904 1.406 1.301 1.889 2.405 2.207 1.860	BLANK END WITH MARINE PLY  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 607  REFER TO EDCM STD FIG 607  REFER TO EDCM STD FIG 605
97 98 99 100 101 102 103 104 105 106	ENDPIPE  GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED JUNCTION PIT GRATED JUNCTION PIT GRATED SIDE ENTRY PIT JUNCTION PIT JUNCTION PIT JUNCTION PIT JUNCTION PIT JUNCTION PIT	0 600 600 600 600 900 900 600 600	900 900 900 900 900 900 900 900	300 300 300 225	211.559 212.490 210.861 206.445 206.445 207.477	300 300 300 300 300 300 300 300 225 225	212.490 211.636 209.988 210.815 210.966 208.251 206.395  207.402 209.001 212.306	215.400 213.540 211.892 212.221 212.268 210.139 208.800 209.609 210.861 214.283	2.910 1.904 1.904 1.406 1.301 1.889 2.405 2.207 1.860 1.976	BLANK END WITH MARINE PLY  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 607  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 605
97 98 99 100 101 102 103 104 105 106 107	ENDPIPE  GRATED SIDE ENTRY PIT  GRATED SIDE ENTRY PIT  GRATED JUNCTION PIT  GRATED JUNCTION PIT  GRATED SIDE ENTRY PIT  JUNCTION PIT  JUNCTION PIT  JUNCTION PIT  JUNCTION PIT  GRATED SIDE ENTRY PIT	0 600 600 600 600 900 900 900 600 600	900 900 900 900 900 900 900 900 900	300 300 300 225 225	211.559 212.490 210.861 206.445 206.445 207.477 209.801	300 300 300 300 300 300 300 300 225 225 225 300	212.490  211.636 209.988 210.815 210.966 208.251 206.395  207.402 209.001 212.306 206.576	215.400 213.540 211.892 212.221 212.268 210.139 208.800 209.609 210.861 214.283 208.052	2.910 1.904 1.904 1.406 1.301 1.889 2.405 2.207 1.860 1.976 1.476	BLANK END WITH MARINE PLY  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 607  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 603 AND 605
97 98 99 100 101 102 103 104 105 106 107 108	ENDPIPE  GRATED SIDE ENTRY PIT  GRATED SIDE ENTRY PIT  GRATED JUNCTION PIT  GRATED JUNCTION PIT  GRATED SIDE ENTRY PIT  JUNCTION PIT  JUNCTION PIT  JUNCTION PIT  JUNCTION PIT  GRATED SIDE ENTRY PIT  GRATED SIDE ENTRY PIT	900 600 600 600 600 900 900 900	900 900 900 900 900 900 900 900 900 900	300 300 300 225	211.559 212.490 210.861 206.445 206.445 207.477	300 300 300 300 300 300 300 225 225 300 300	212.490 211.636 209.988 210.815 210.966 208.251 206.395  207.402 209.001 212.306 206.576 206.506	215.400 213.540 211.892 212.221 212.268 210.139 208.800 209.609 210.861 214.283 208.052 208.736	2.910 1.904 1.904 1.406 1.301 1.889 2.405 2.207 1.860 1.976 1.476 2.230	BLANK END WITH MARINE PLY  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 607  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 601 AND 607
97 98 99 100 101 102 103 104 105 106 107	ENDPIPE  GRATED SIDE ENTRY PIT  GRATED SIDE ENTRY PIT  GRATED JUNCTION PIT  GRATED JUNCTION PIT  GRATED SIDE ENTRY PIT  JUNCTION PIT  JUNCTION PIT  JUNCTION PIT  JUNCTION PIT  GRATED SIDE ENTRY PIT	0 600 600 600 600 900 900 900 600 600	900 900 900 900 900 900 900 900 900	300 300 300 225 225	211.559 212.490 210.861 206.445 206.445 207.477 209.801	300 300 300 300 300 300 300 300 225 225 225 300	212.490  211.636 209.988 210.815 210.966 208.251 206.395  207.402 209.001 212.306 206.576	215.400 213.540 211.892 212.221 212.268 210.139 208.800 209.609 210.861 214.283 208.052	2.910 1.904 1.904 1.406 1.301 1.889 2.405 2.207 1.860 1.976 1.476	BLANK END WITH MARINE PLY  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 607  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 603 AND 605
97 98 99 100 101 102 103 104 105 106 107 108 109	ENDPIPE  GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED JUNCTION PIT GRATED JUNCTION PIT GRATED SIDE ENTRY PIT JUNCTION PIT JUNCTION PIT JUNCTION PIT JUNCTION PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT	0 600 600 600 600 900 900 600 600 900 600	900 900 900 900 900 900 900 900 900 900	300 300 300 225 225	211.559 212.490 210.861 206.445 206.445 207.477 209.801	300 300 300 300 300 300 300 225 225 300 300 300	212.490  211.636 209.988 210.815 210.966 208.251 206.395  207.402 209.001 212.306 206.576 206.506 206.641	215.400 213.540 211.892 212.221 212.268 210.139 208.800  209.609 210.861 214.283 208.052 208.736 208.442	2.910 1.904 1.904 1.406 1.301 1.889 2.405 2.207 1.860 1.976 1.476 2.230 1.801	BLANK END WITH MARINE PLY  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 607  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 603 AND 605  REFER TO EDCM STD FIG 603 AND 605
97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 111	ENDPIPE  GRATED SIDE ENTRY PIT  GRATED SIDE ENTRY PIT  GRATED JUNCTION PIT  GRATED JUNCTION PIT  GRATED SIDE ENTRY PIT  JUNCTION PIT  JUNCTION PIT  JUNCTION PIT  GRATED SIDE ENTRY PIT	0 600 600 600 600 900 900 600 600 600 900 600 900	900 900 900 900 900 900 900 900 900 900	300 300 300 225 225	211.559 212.490 210.861 206.445 206.445 207.477 209.801	300 300 300 300 300 300 300 300	212.490  211.636 209.988 210.815 210.966 208.251 206.395  207.402 209.001 212.306 206.576 206.506 206.641 206.088 205.545 205.682	215.400 213.540 211.892 212.221 212.268 210.139 208.800  209.609 210.861 214.283 208.052 208.736 208.442 208.053 207.599 207.700	2.910  1.904 1.904 1.406 1.301 1.889 2.405  2.207 1.860 1.976 1.476 2.230 1.801 1.965 2.054 2.018	BLANK END WITH MARINE PLY  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 607  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 603 AND 605  REFER TO EDCM STD FIG 601 AND 607  REFER TO EDCM STD FIG 603 AND 605  REFER TO EDCM STD FIG 603 AND 605  REFER TO EDCM STD FIG 603 AND 605  REFER TO EDCM STD FIG 603 AND 607  REFER TO EDCM STD FIG 603 AND 607  REFER TO EDCM STD FIG 603 AND 607
97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113	ENDPIPE  GRATED SIDE ENTRY PIT  GRATED JUNCTION PIT  GRATED JUNCTION PIT  GRATED SIDE ENTRY PIT  JUNCTION PIT  JUNCTION PIT  JUNCTION PIT  JUNCTION PIT  GRATED SIDE ENTRY PIT	0 600 600 600 600 900 900 600 600 600 900 600 900 9	900 900 900 900 900 900 900 900 900 900	300 300 300 225 225 300	211.559 212.490 210.861 206.445 206.445 207.477 209.801 206.556	300 300 300 300 300 300 300 225 225 225 300 300 300 300 300 300 300 30	212.490 211.636 209.988 210.815 210.966 208.251 206.395  207.402 209.001 212.306 206.576 206.506 206.641 206.088 205.545 205.682 203.727	215.400 213.540 211.892 212.221 212.268 210.139 208.800  209.609 210.861 214.283 208.052 208.736 208.442 208.053 207.599 207.700 205.580	2.910  1.904 1.904 1.406 1.301 1.889 2.405  2.207 1.860 1.976 1.476 2.230 1.801 1.965 2.054 2.018 1.853	BLANK END WITH MARINE PLY  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 607  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 603 AND 607
97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114	ENDPIPE  GRATED SIDE ENTRY PIT  GRATED JUNCTION PIT  GRATED JUNCTION PIT  GRATED SIDE ENTRY PIT  JUNCTION PIT  JUNCTION PIT  JUNCTION PIT  JUNCTION PIT  GRATED SIDE ENTRY PIT  JUNCTION PIT	0 600 600 600 600 900 900 600 600 600 900 600 900 9	900 900 900 900 900 900 900 900	300 300 300 225 225	211.559 212.490 210.861 206.445 206.445 207.477 209.801	300 300 300 300 300 300 300 225 225 300 300 300 300 300 300 300 30	212.490 211.636 209.988 210.815 210.966 208.251 206.395  207.402 209.001 212.306 206.576 206.506 206.641 206.088 205.545 205.682 203.727 202.087	215.400 213.540 211.892 212.221 212.268 210.139 208.800 209.609 210.861 214.283 208.052 208.736 208.442 208.053 207.599 207.700 205.580 204.502	2.910  1.904 1.904 1.406 1.301 1.889 2.405  2.207 1.860 1.976 1.476 2.230 1.801 1.965 2.054 2.018 1.853 2.415	BLANK END WITH MARINE PLY  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 607  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 603 AND 605  REFER TO EDCM STD FIG 604 AND 605  REFER TO EDCM STD FIG 603 AND 607  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 603 AND 607  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 601 AND 605
97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113	ENDPIPE  GRATED SIDE ENTRY PIT  GRATED JUNCTION PIT  GRATED JUNCTION PIT  GRATED SIDE ENTRY PIT  JUNCTION PIT  JUNCTION PIT  JUNCTION PIT  JUNCTION PIT  GRATED SIDE ENTRY PIT	0 600 600 600 600 900 900 600 600 600 900 600 900 9	900 900 900 900 900 900 900 900 900 900	300 300 300 225 225 300	211.559 212.490 210.861 206.445 206.445 207.477 209.801 206.556 205.595	300 300 300 300 300 300 300 225 225 225 300 300 300 300 300 300 300 30	212.490 211.636 209.988 210.815 210.966 208.251 206.395  207.402 209.001 212.306 206.576 206.506 206.641 206.088 205.545 205.682 203.727	215.400 213.540 211.892 212.221 212.268 210.139 208.800  209.609 210.861 214.283 208.052 208.736 208.442 208.053 207.599 207.700 205.580	2.910  1.904 1.904 1.406 1.301 1.889 2.405  2.207 1.860 1.976 1.476 2.230 1.801 1.965 2.054 2.018 1.853	BLANK END WITH MARINE PLY  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 607  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 603 AND 607
97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114	ENDPIPE  GRATED SIDE ENTRY PIT  GRATED JUNCTION PIT  GRATED JUNCTION PIT  GRATED SIDE ENTRY PIT  JUNCTION PIT  JUNCTION PIT  JUNCTION PIT  JUNCTION PIT  GRATED SIDE ENTRY PIT  JUNCTION PIT	0 600 600 600 600 900 900 600 600 600 900 600 900 9	900 900 900 900 900 900 900 900	300 300 300 225 225 300	211.559 212.490 210.861 206.445 206.445 207.477 209.801 206.556	300 300 300 300 300 300 300 225 225 300 300 300 300 300 300 300 30	212.490 211.636 209.988 210.815 210.966 208.251 206.395  207.402 209.001 212.306 206.576 206.506 206.641 206.088 205.545 205.682 203.727 202.087	215.400 213.540 211.892 212.221 212.268 210.139 208.800 209.609 210.861 214.283 208.052 208.736 208.442 208.053 207.599 207.700 205.580 204.502	2.910  1.904 1.904 1.406 1.301 1.889 2.405  2.207 1.860 1.976 1.476 2.230 1.801 1.965 2.054 2.018 1.853 2.415	BLANK END WITH MARINE PLY  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 607  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 603 AND 605  REFER TO EDCM STD FIG 604 AND 605  REFER TO EDCM STD FIG 603 AND 607  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 603 AND 607  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 601 AND 605
97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115	ENDPIPE  GRATED SIDE ENTRY PIT  GRATED JUNCTION PIT  GRATED JUNCTION PIT  GRATED SIDE ENTRY PIT  JUNCTION PIT  JUNCTION PIT  JUNCTION PIT  JUNCTION PIT  GRATED SIDE ENTRY PIT  JUNCTION PIT  ENDPIPE	0 600 600 600 600 900 900 600 600 900 600 900 9	900 900 900 900 900 900 900 900	300 300 300 225 225 300	211.559 212.490 210.861 206.445 206.445 207.477 209.801 206.556 205.595	300 300 300 300 300 300 300 225 225 225 300 300 300 300 300 300 300 30	212.490  211.636 209.988 210.815 210.966 208.251 206.395  207.402 209.001 212.306 206.576 206.506 206.641 206.088 205.545 205.682 203.727 202.087 202.197	215.400 213.540 211.892 212.221 212.268 210.139 208.800  209.609 210.861 214.283 208.052 208.736 208.442 208.053 207.599 207.700 205.580 204.553	2.910  1.904 1.904 1.406 1.301 1.889 2.405  2.207 1.860 1.976 1.476 2.230 1.801 1.965 2.054 2.018 1.853 2.415 2.356	BLANK END WITH MARINE PLY  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 607  REFER TO EDCM STD FIG 607  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 603 AND 605  REFER TO EDCM STD FIG 604 AND 605  REFER TO EDCM STD FIG 603 AND 605  REFER TO EDCM STD FIG 603 AND 607  REFER TO EDCM STD FIG 603 AND 607  REFER TO EDCM STD FIG 603 AND 607  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 607  BLANK END WITH MARINE PLY
97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115	ENDPIPE  GRATED SIDE ENTRY PIT  GRATED JUNCTION PIT  GRATED JUNCTION PIT  GRATED SIDE ENTRY PIT  JUNCTION PIT  JUNCTION PIT  JUNCTION PIT  JUNCTION PIT  GRATED SIDE ENTRY PIT  JUNCTION PIT  ENDPIPE  GRATED SIDE ENTRY PIT	0 600 600 600 600 900 900 600 600 600 900 600 900 9	900 900 900 900 900 900 900 900	300 300 300 225 225 300 300 600	211.559 212.490 210.861 206.445 206.445 207.477 209.801 206.556 205.595 202.137	300 300 300 300 300 300 300 225 225 225 300 300 300 300 300 300 300 600 6	212.490  211.636 209.988 210.815 210.966 208.251 206.395  207.402 209.001 212.306 206.576 206.506 206.641 206.088 205.545 205.682 203.727 202.087 202.197	215.400 213.540 211.892 212.221 212.268 210.139 208.800 209.609 210.861 214.283 208.052 208.736 208.442 208.053 207.599 207.700 205.580 204.502 204.553	2.910  1.904 1.904 1.406 1.301 1.889 2.405  2.207 1.860 1.976 1.476 2.230 1.801 1.965 2.054 2.018 1.853 2.415 2.356  1.853	BLANK END WITH MARINE PLY  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 607  REFER TO EDCM STD FIG 607  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 603 AND 605  REFER TO EDCM STD FIG 604 AND 605  REFER TO EDCM STD FIG 603 AND 605  REFER TO EDCM STD FIG 603 AND 607  REFER TO EDCM STD FIG 603 AND 607  REFER TO EDCM STD FIG 603 AND 607  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 607  BLANK END WITH MARINE PLY
97  98  99  100  101  102  103  104  105  106  107  108  109  110  111  112  113  114  115  116  Ex 27  117  Ex 42	ENDPIPE  GRATED SIDE ENTRY PIT  GRATED JUNCTION PIT  GRATED JUNCTION PIT  GRATED SIDE ENTRY PIT  JUNCTION PIT  JUNCTION PIT  JUNCTION PIT  JUNCTION PIT  GRATED SIDE ENTRY PIT  JUNCTION PIT  ENDPIPE  JUNCTION PIT  ENDPIPE  JUNCTION PIT  ENDPIPE	0 600 600 600 600 900 900 600 600 600 900 600 900 600 900 600 900 600 900 600	900 900 900 900 900 900 900 900	300 300 300 225 225 225 300 600 600 300 375	211.559 212.490 210.861 206.445 206.445 207.477 209.801 206.556 205.595 202.137 202.197 210.580 202.709	300 300 300 300 300 300 300 300	212.490  211.636 209.988 210.815 210.966 208.251 206.395  207.402 209.001 212.306 206.576 206.506 206.641 206.088 205.545 205.682 203.727 202.087 202.197	215.400 213.540 211.892 212.221 212.268 210.139 208.800 209.609 210.861 214.283 208.052 208.736 208.442 208.053 207.599 207.700 205.580 204.502 204.553 204.031 212.517 213.379 204.894	2.910  1.904 1.904 1.406 1.301 1.889 2.405  2.207 1.860 1.976 1.476 2.230 1.801 1.965 2.054 2.018 1.853 2.415 2.356  1.853 1.937 1.661 2.185	BLANK END WITH MARINE PLY  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 607  REFER TO EDCM STD FIG 607  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 603 AND 605  REFER TO EDCM STD FIG 603 AND 605  REFER TO EDCM STD FIG 603 AND 607  REFER TO EDCM STD FIG 603 AND 607  REFER TO EDCM STD FIG 603 AND 607  REFER TO EDCM STD FIG 601 AND 607  REFER TO EDCM STD FIG 601 AND 605
97  98  99  100  101  102  103  104  105  106  107  108  109  110  111  112  113  114  115  116  Ex 27  117	ENDPIPE  GRATED SIDE ENTRY PIT  GRATED JUNCTION PIT  GRATED JUNCTION PIT  GRATED SIDE ENTRY PIT  JUNCTION PIT  JUNCTION PIT  JUNCTION PIT  JUNCTION PIT  GRATED SIDE ENTRY PIT  JUNCTION PIT  ENDPIPE  GRATED SIDE ENTRY PIT  ENDPIPE  JUNCTION PIT	0 600 600 600 600 900 900 600 600 900 90	900 900 900 900 900 900 900 900	300 300 300 300 225 225 300 600 600 300 375 300	211.559 212.490 210.861 206.445 206.445 207.477 209.801 206.556 205.595 202.137 202.197 210.580 202.709 202.837	300 300 300 300 300 300 300 300	212.490  211.636 209.988 210.815 210.966 208.251 206.395  207.402 209.001 212.306 206.576 206.506 206.641 206.088 205.545 205.682 203.727 202.087 202.197	215.400 213.540 211.892 212.221 212.268 210.139 208.800 209.609 210.861 214.283 208.052 208.736 208.442 208.053 207.599 207.700 205.580 204.502 204.553 204.031 212.517 213.379	2.910  1.904 1.904 1.406 1.301 1.889 2.405  2.207 1.860 1.976 1.476 2.230 1.801 1.965 2.054 2.018 1.853 2.415 2.356  1.853 1.937 1.661	BLANK END WITH MARINE PLY  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 607  REFER TO EDCM STD FIG 607  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 603 AND 607  REFER TO EDCM STD FIG 603 AND 605  REFER TO EDCM STD FIG 603 AND 607  REFER TO EDCM STD FIG 603 AND 607  REFER TO EDCM STD FIG 601 AND 607  REFER TO EDCM STD FIG 601 AND 607  REFER TO EDCM STD FIG 601 AND 605
97  98  99  100  101  102  103  104  105  106  107  108  109  110  111  112  113  114  115  116  Ex 27  117  Ex 42  118	ENDPIPE  GRATED SIDE ENTRY PIT  GRATED JUNCTION PIT  GRATED JUNCTION PIT  GRATED SIDE ENTRY PIT  JUNCTION PIT  JUNCTION PIT  JUNCTION PIT  JUNCTION PIT  GRATED SIDE ENTRY PIT  JUNCTION PIT  ENDPIPE  GRATED SIDE ENTRY PIT  ENDPIPE  JUNCTION PIT  ENDPIPE  GRATED SIDE ENTRY PIT  ENDPIPE  JUNCTION PIT  ENDPIPE  GRATED SIDE ENTRY PIT	0 600 600 600 600 900 900 600 600 900 90	900 900 900 900 900 900 900 900	300 300 300 225 225 300 300 600 600 300 375 300 300	211.559 212.490 210.861 206.445 206.445 207.477 209.801 206.556 205.595 202.137 202.137 210.580 202.709 202.837 202.837	300 300 300 300 300 300 300 300	212.490 211.636 209.988 210.815 210.966 208.251 206.395  207.402 209.001 212.306 206.576 206.506 206.641 206.088 205.545 205.682 203.727 202.087 202.197  202.178  211.718	215.400 213.540 211.892 212.221 212.268 210.139 208.800 209.609 210.861 214.283 208.052 208.736 208.442 208.053 207.599 207.700 205.580 204.502 204.553 204.031 212.517 213.379 204.894 204.995	2.910  1.904 1.904 1.406 1.301 1.889 2.405  2.207 1.860 1.976 1.476 2.230 1.801 1.965 2.054 2.018 1.853 2.415 2.356  1.853 1.937 1.661 2.185 2.232	BLANK END WITH MARINE PLY  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 607  REFER TO EDCM STD FIG 607  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 603 AND 605  REFER TO EDCM STD FIG 603 AND 605  REFER TO EDCM STD FIG 603 AND 607  REFER TO EDCM STD FIG 603 AND 607  REFER TO EDCM STD FIG 603 AND 607  REFER TO EDCM STD FIG 601 AND 605
97  98  99  100  101  102  103  104  105  106  107  108  109  110  111  112  113  114  115  116  Ex 27  117  Ex 42	ENDPIPE  GRATED SIDE ENTRY PIT  GRATED JUNCTION PIT  GRATED JUNCTION PIT  GRATED SIDE ENTRY PIT  JUNCTION PIT  JUNCTION PIT  JUNCTION PIT  JUNCTION PIT  GRATED SIDE ENTRY PIT  JUNCTION PIT  ENDPIPE  JUNCTION PIT  ENDPIPE  JUNCTION PIT  ENDPIPE	0 600 600 600 600 900 900 600 600 600 900 600 900 600 900 600 900 600 900 600	900 900 900 900 900 900 900 900	300 300 300 225 225 225 300 300 300 375 300 300 300 300	211.559 212.490 210.861 206.445 206.445 207.477 209.801 206.556 205.595 202.137 202.197 210.580 202.709 202.837 202.837 203.716	300 300 300 300 300 300 300 300	212.490  211.636 209.988 210.815 210.966 208.251 206.395  207.402 209.001 212.306 206.576 206.506 206.641 206.088 205.545 205.682 203.727 202.087 202.197	215.400 213.540 211.892 212.221 212.268 210.139 208.800 209.609 210.861 214.283 208.052 208.736 208.442 208.053 207.599 207.700 205.580 204.502 204.553 204.031 212.517 213.379 204.894	2.910  1.904 1.904 1.406 1.301 1.889 2.405  2.207 1.860 1.976 1.476 2.230 1.801 1.965 2.054 2.018 1.853 2.415 2.356  1.853 1.937 1.661 2.185	BLANK END WITH MARINE PLY  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 607  REFER TO EDCM STD FIG 607  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 603 AND 605  REFER TO EDCM STD FIG 603 AND 607  REFER TO EDCM STD FIG 604 AND 605  REFER TO EDCM STD FIG 603 AND 607  REFER TO EDCM STD FIG 603 AND 607  REFER TO EDCM STD FIG 601 AND 607  REFER TO EDCM STD FIG 601 AND 605
97  98  99  100  101  102  103  104  105  106  107  108  109  110  111  112  113  114  115  116  Ex 27  117  Ex 42  118	ENDPIPE  GRATED SIDE ENTRY PIT  GRATED JUNCTION PIT  GRATED JUNCTION PIT  GRATED SIDE ENTRY PIT  JUNCTION PIT  JUNCTION PIT  JUNCTION PIT  JUNCTION PIT  GRATED SIDE ENTRY PIT  JUNCTION PIT  ENDPIPE  GRATED SIDE ENTRY PIT  ENDPIPE  JUNCTION PIT  ENDPIPE  GRATED SIDE ENTRY PIT  ENDPIPE  JUNCTION PIT  ENDPIPE  GRATED SIDE ENTRY PIT	0 600 600 600 600 900 900 600 600 900 90	900 900 900 900 900 900 900 900	300 300 300 225 225 300 300 600 600 300 375 300 300	211.559 212.490 210.861 206.445 206.445 207.477 209.801 206.556 205.595 202.137 202.137 210.580 202.709 202.837 202.837	300 300 300 300 300 300 300 300	212.490 211.636 209.988 210.815 210.966 208.251 206.395  207.402 209.001 212.306 206.576 206.506 206.641 206.088 205.545 205.682 203.727 202.087 202.197  202.178  211.718	215.400 213.540 211.892 212.221 212.268 210.139 208.800 209.609 210.861 214.283 208.052 208.736 208.442 208.053 207.599 207.700 205.580 204.502 204.553 204.031 212.517 213.379 204.894 204.995	2.910  1.904 1.904 1.406 1.301 1.889 2.405  2.207 1.860 1.976 1.476 2.230 1.801 1.965 2.054 2.018 1.853 2.415 2.356  1.853 1.937 1.661 2.185 2.232	BLANK END WITH MARINE PLY  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 607  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 603 AND 607  REFER TO EDCM STD FIG 603 AND 607  REFER TO EDCM STD FIG 601 AND 605
97  98  99  100  101  102  103  104  105  106  107  108  109  110  111  112  113  114  115  116  Ex 27  117  Ex 42  118	ENDPIPE  GRATED SIDE ENTRY PIT  GRATED JUNCTION PIT  GRATED JUNCTION PIT  GRATED SIDE ENTRY PIT  JUNCTION PIT  JUNCTION PIT  JUNCTION PIT  JUNCTION PIT  GRATED SIDE ENTRY PIT  JUNCTION PIT  ENDPIPE  GRATED SIDE ENTRY PIT  ENDPIPE  JUNCTION PIT  ENDPIPE  GRATED SIDE ENTRY PIT  GRATED SIDE ENTRY PIT  ENDPIPE  GRATED SIDE ENTRY PIT  GRATED SIDE ENTRY PIT  ENDPIPE  GRATED SIDE ENTRY PIT  GRATED SIDE ENTRY PIT	0 600 600 600 600 900 900 600 600 900 600 900 9	900 900 900 900 900 900 900 900	300 300 300 300 225 225 300 300 300 300 300 300 300 30	211.559 212.490 210.861 206.445 206.445 207.477 209.801 206.556 205.595 202.137 202.197 210.580 202.709 202.837 202.837 203.716 203.716	300 300 300 300 300 300 300 300	212.490  211.636 209.988 210.815 210.966 208.251 206.395  207.402 209.001 212.306 206.576 206.506 206.641 206.088 205.545 205.682 203.727 202.087 202.197  202.178  211.718  202.762	215.400 213.540 211.892 212.221 212.268 210.139 208.800  209.609 210.861 214.283 208.052 208.736 208.442 208.053 207.599 207.700 205.580 204.553  204.553  204.031 212.517 213.379 204.894 204.995	2.910  1.904 1.904 1.406 1.301 1.889 2.405  2.207 1.860 1.976 1.476 2.230 1.801 1.965 2.054 2.018 1.853 2.415 2.356  1.853 1.937 1.661 2.185 2.232	BLANK END WITH MARINE PLY  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 607  REFER TO EDCM STD FIG 607  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 603 AND 607  REFER TO EDCM STD FIG 603 AND 607  REFER TO EDCM STD FIG 601 AND 607  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 601 AND 607
97  98  99  100  101  102  103  104  105  106  107  108  109  110  111  112  113  114  115  116  Ex 27  117  Ex 42  118  119	ENDPIPE  GRATED SIDE ENTRY PIT  GRATED JUNCTION PIT  GRATED JUNCTION PIT  GRATED SIDE ENTRY PIT  JUNCTION PIT  JUNCTION PIT  JUNCTION PIT  GRATED SIDE ENTRY PIT  JUNCTION PIT  ENDPIPE  GRATED SIDE ENTRY PIT  GRATED SIDE ENTRY PIT  ENDPIPE  GRATED SIDE ENTRY PIT  GRATED SIDE ENTRY PIT	0 600 600 600 600 900 900 600 600 600 900 9	900 900 900 900 900 900 900 900	300 300 300 300 225 225 300 300 300 300 300 300 300 30	211.559 212.490 210.861 206.445 206.445 207.477 209.801 206.556 205.595 202.137 202.197 210.580 202.709 202.837 202.837 203.716 203.716	300 300 300 300 300 300 300 300	212.490  211.636 209.988 210.815 210.966 208.251 206.395  207.402 209.001 212.306 206.576 206.506 206.641 206.088 205.545 205.682 203.727 202.087 202.197  202.178  211.718  202.762  203.666	215.400 213.540 211.892 212.221 212.268 210.139 208.800 209.609 210.861 214.283 208.052 208.736 208.442 208.053 207.599 207.700 205.580 204.502 204.553 204.031 212.517 213.379 204.894 204.995	2.910  1.904 1.904 1.406 1.301 1.889 2.405  2.207 1.860 1.976 1.476 2.230 1.801 1.965 2.054 2.018 1.853 2.415 2.356  1.853 1.937 1.661 2.185 2.232  2.151	BLANK END WITH MARINE PLY  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 605 AND HUME STD FIG 225  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 607  REFER TO EDCM STD FIG 607  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 605  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 603 AND 605  REFER TO EDCM STD FIG 604 AND 605  REFER TO EDCM STD FIG 603 AND 605  REFER TO EDCM STD FIG 603 AND 605  REFER TO EDCM STD FIG 603 AND 607  REFER TO EDCM STD FIG 601 AND 607  REFER TO EDCM STD FIG 601 AND 605  REFER TO EDCM STD FIG 601 AND 607  REFER TO EDCM STD FIG 601 AND 607  REFER TO EDCM STD FIG 601 AND 607  REFER TO EDCM STD FIG 601 AND 607

<u> </u>				
5				Scale
0	ISSUED FOR CONSTRUCTION	M.R	28/10/24	
2 D	PIT SCHEDULE UPDATED	M.R	20/09/24	
6 C	PIT SCHEDULE UPDATED	M.T-S	26/04/24	
В	PIT SCHEDULE UPDATED	M.T-S	20/12/23	
A	ISSUED TO COUNCIL	M.T-S	22/12/22	
Re	Amendments	Approved	Date	



© Spiire Australia Pty Ltd All Rights Reserved This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.



spiire.com.au



H.HOGGARD L6 414 LA TROBE STREET PO BOX 16084 MELBOURNE VICTORIA 8007 AUSTRALIA T 61 3 9993 7888 Authorised J.POYNER ABN 55 050 029 635



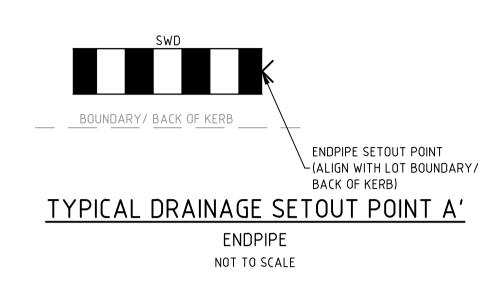
Your world awaits Checked J.POYNER APRIL 2024

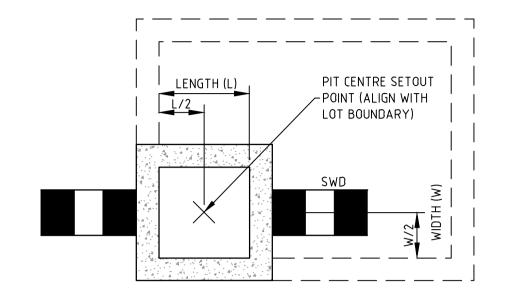
**Redstone**。

REDSTONE ESTATE STAGE 16

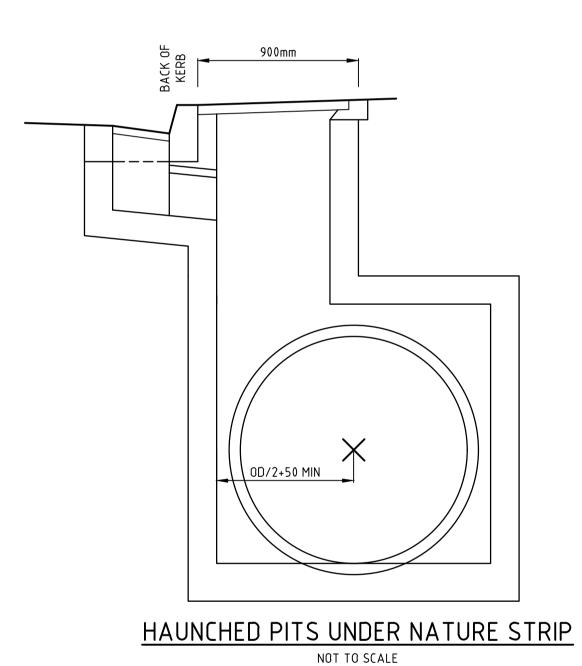
ROAD AND DRAINAGE
DRAINAGE PIT SCHEDULE - SHEET 12
HUME CITY COUNCIL VILLAWOOD PROPERTIES

NAME	POINT	EASTING	NORTHING		
EP1	А	302760.036	5835355.962		
2	С	302756.480	5835353.918		
3	С	302728.245	5835318.933		
TP4	Α	302698.899	5835281.257		
5	С	302670.508	5835280.204		
6	С	302616.270	5835323.976		
7	С	302561.798	5835367.939		
10	С	302405.227	5835462.999		
15	С	302343.928	5835425.157		
18	С	302293.750	5835362.850		
20	С	302246.412	5835306.078		
23	C	302188.456	5835231.958		
35	C	302221.458	5835308.183		
36	C	302211.669	5835316.080		
41	C	302215.216	5835300.679		
42	С	302223.589	5835289.982		
43	С	302251.810	5835301.240		
44	С	302257.025	5835298.116		
45	С	302259.894	5835280.464		
46	С	302276.912	5835266.371		
47	С	302270.726	5835258.707		
49	С	302194.930	5835164.790		
50	С	302194.298	5835164.007		
51	С	302252.297	5835271.222		
52	С	302241.710	5835272.124		
61	С	302127.422	5835480.194		
66	С	302229.144	5835350.487		
68	С	302105.074	5835450.619		
68A	А	302103.290	5835452.059		
97	A	302212.498	5835617.323		
100	С	302279.773	5835550.573		
101	С	302284.935	5835541.809		
103	С	302367.968	5835489.184		
104	С	302355.251	5835498.248		
107	С	302380.207	5835471.064		
109	С	302389.237	5835493.316		
110	С	302381.871	5835453.179		
111	C	302408.941	5835469.284		





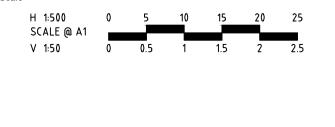
TYPICAL DRAINAGE PIT SETOUT POINT 'C' JUNCTION PIT/ EASEMENT PIT
NOT TO SCALE



### PROPERTY INLET NOTES

- REFER GAA EDCM STD DRG FIG 701 FOR PROPERTY INLET TYPE A DETAIL. INLET CONNECTION TO EASEMENT OR STREET DRAIN OUTSIDE PROPERTY TITLE
   REFER GAA EDCM STD DRG FIG 702 FOR PROPERTY INLET TYPE B DETAIL. INLET CONNECTION TO EASEMENT DRAIN CONTAINED WITHIN PROPERTY TITLE
- REFER GAA EDCM STD DRG FIG 703 FOR PROPERTY INLET TYPE C DETAIL. INLET CONNECTION TO DRAINAGE PIT WITHIN AND OUTSIDE PROPERTY TITLE

E C					
ut nar ACAD					S
layo vil\/					
wg 6\Ci					
name 310066CR600.dwg layout location G:\31\310066\Civil\AC	0	ISSUED FOR CONSTRUCTION	M.R	28/10/24	
	D	DRAINAGE UPDATED	M.R	20/09/24	
	С	PIT SET OUT UPDATED	M.T-S	26/04/24	
e 31( tion	В	UPDATED COORDINATES, SETOUT UPDATED	M.T-S	20/12/23	
name ocal	Α	ISSUED TO COUNCIL	M.T-S	22/12/22	
<u>a</u> a	Rev	Amendments	Approved	Date	1





© Spiire Australia Pty Ltd All Rights Reserved This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.



VICTORIA 8007 AUSTRALIA T 61 3 9993 7888

ABN 55 050 029 635

spiire.com.au



Authorised

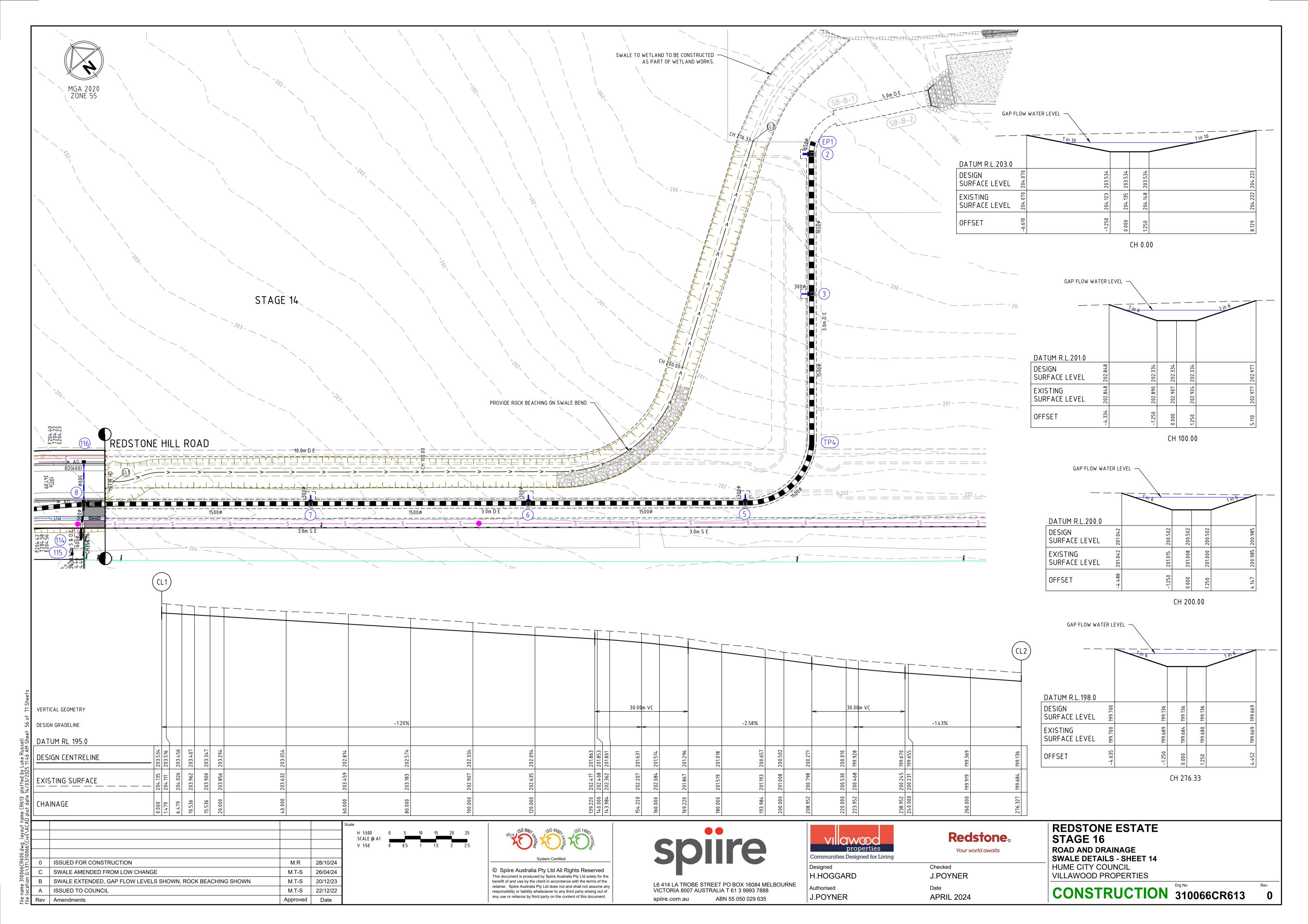
J.POYNER

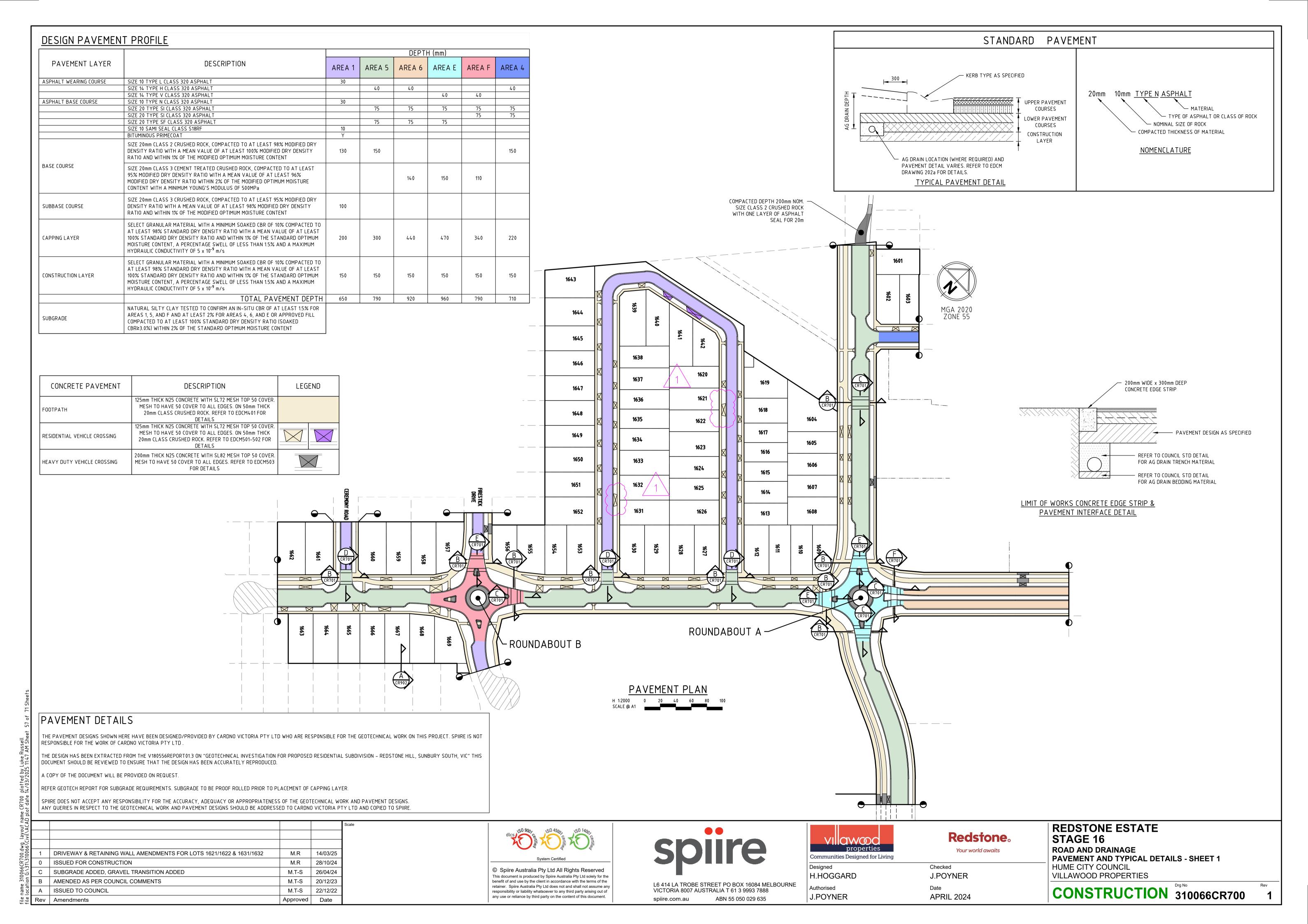
villawoja	
properties	
Communities Designed for Living	
Designed	

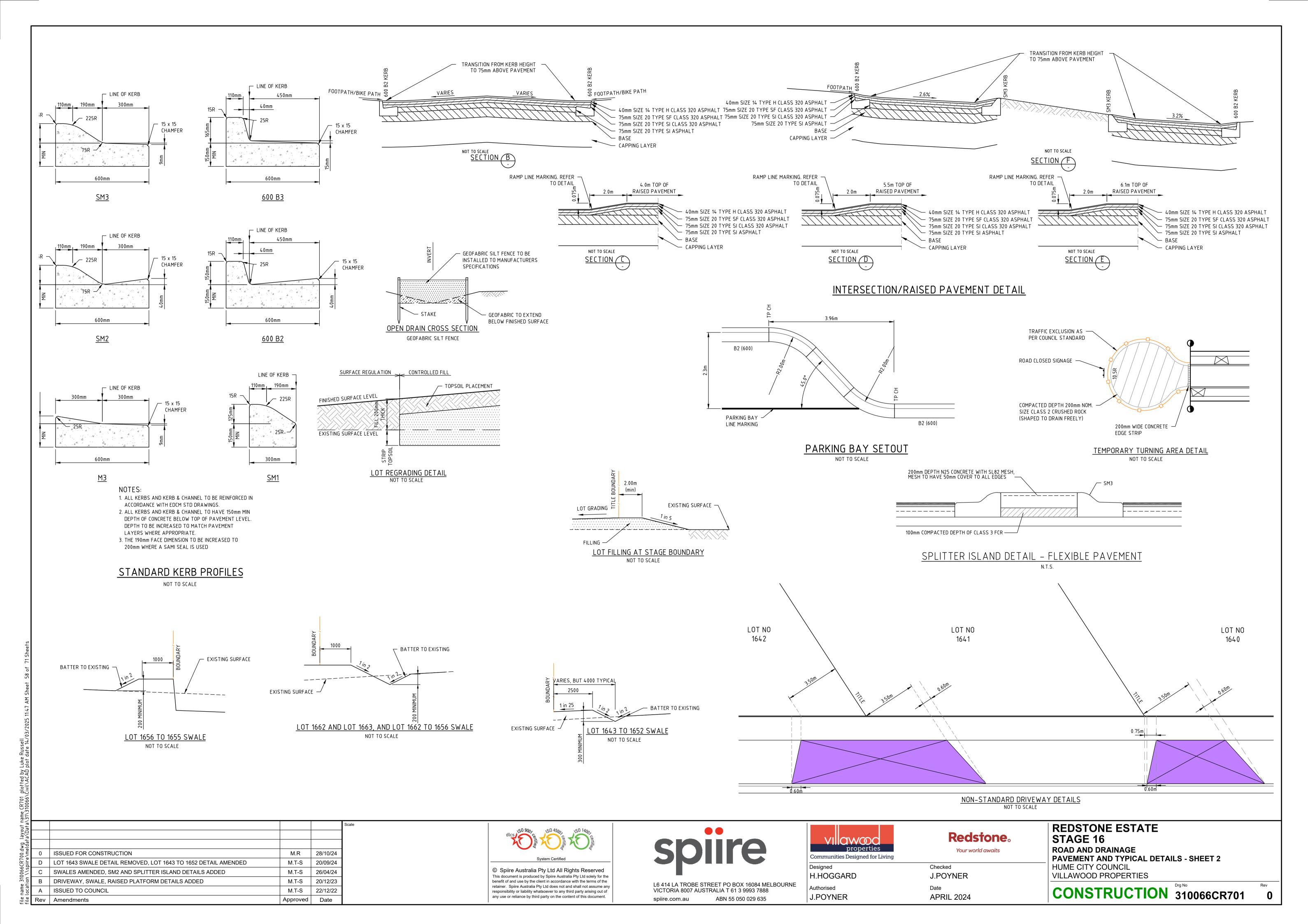
<b>Redstone</b> 。
Your world awaits
necked

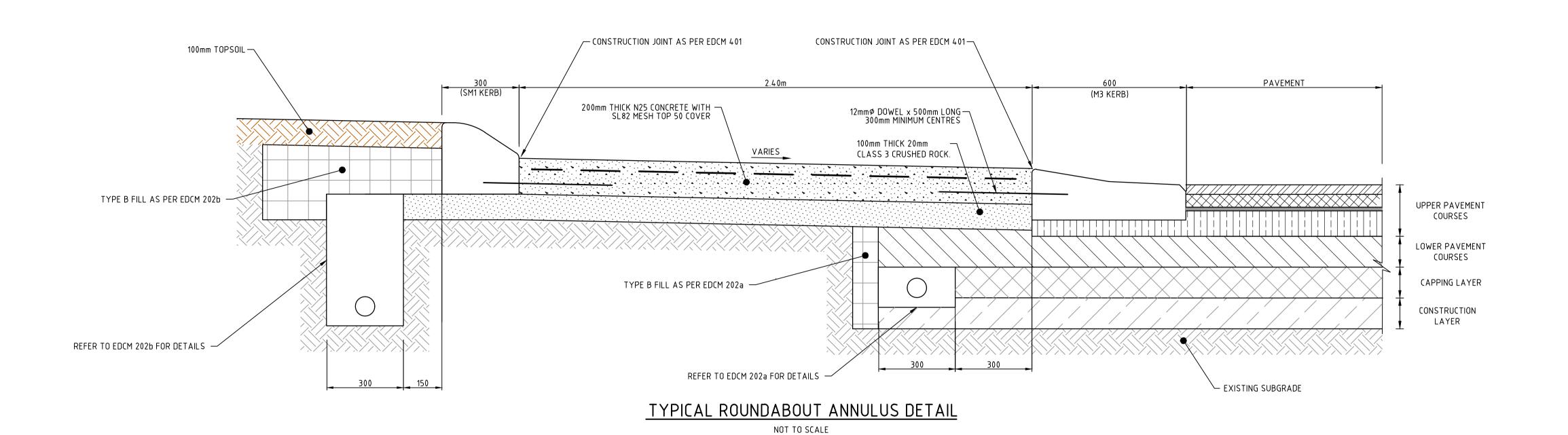
ng	
	Checked
	J.POYNER
	Date
	APRIL 2024

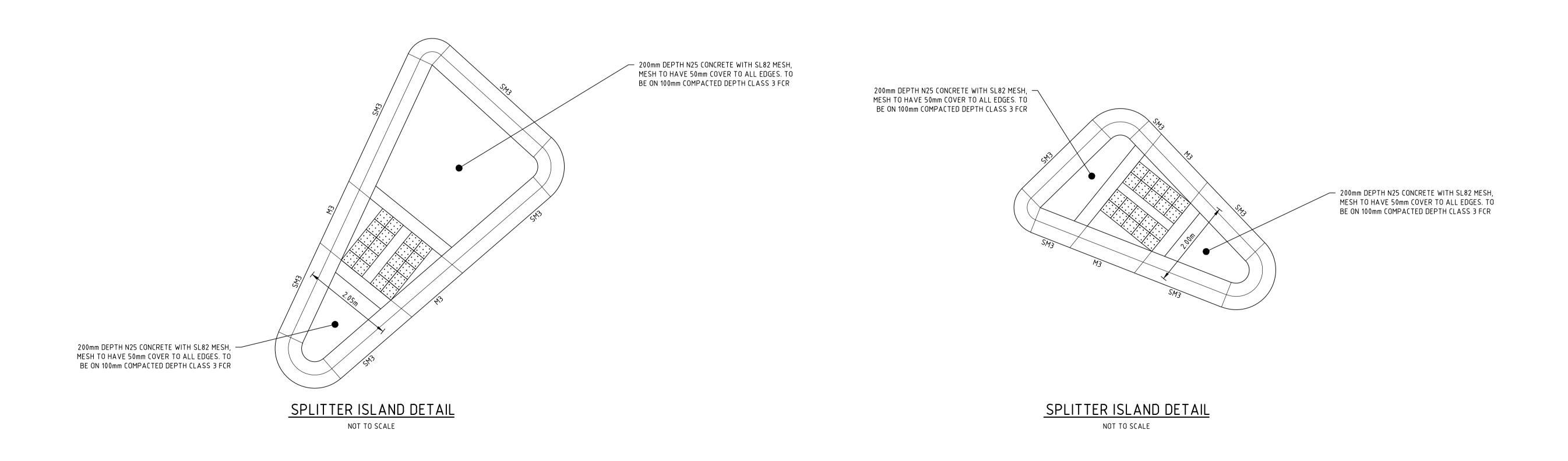
REDSTONE ESTATE STAGE 16 ROAD AND DRAINAGE PIT SETOUT CO-ORDINATES TABLE & DETAILS - SHEET 13 HUME CITY COUNCIL VILLAWOOD PROPERTIES











ut n ACA[				
wg layo 6\Civil				
	0	ISSUED FOR CONSTRUCTION	M.R	28/10/24
00.d 1006	Е	MINOR AMENDMENT TO SPLITTER ISLAND DETAILS	M.T-S	20/09/24
name 310066CR700.dwg layout location G:\31\310066\Civil\AC	D	SPLITTER ISLAND DETAILS ADDED	M.T-S	17/07/24
	С	AG DRAINS AMENDED	M.T-S	26/04/24
	В	CHANGED TO M3 KERB	M.T-S	20/12/23
	Α	ISSUED TO COUNCIL	M.T-S	22/12/22
file file	Rev	Amendments	Approved	Date



© Spiire Australia Pty Ltd All Rights Reserved This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.



re

L6 414 LA TROBE STREET PO BOX 16084 MELBOURNE VICTORIA 8007 AUSTRALIA T 61 3 9993 7888 ABN 55 050 029 635 spiire.com.au

VI	awwa
·	properties
Communit	ies Designed for Living
Designed	

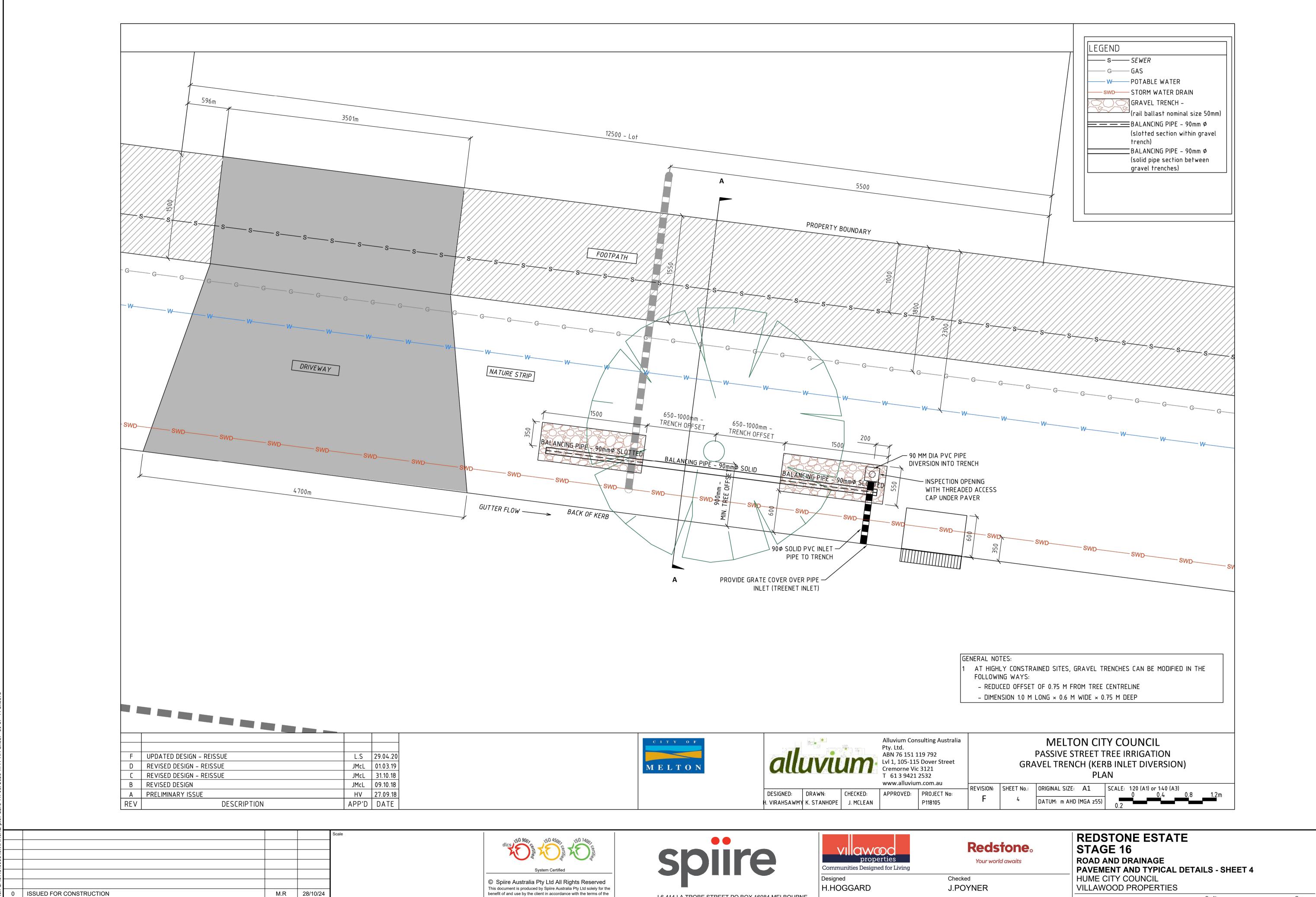
J.POYNER

Your world awaits Checked H.HOGGARD J.POYNER Authorised

Redstone.

APRIL 2024

REDSTONE ESTATE STAGE 16
ROAD AND DRAINAGE
PAVEMENT AND TYPICAL DETAILS - SHEET 3
HUME CITY COUNCIL
VILLAWOOD PROPERTIES



A ISSUED TO COUNCIL Rev Amendments

benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of

any use or reliance by third party on the content of this document.

20/12/23

Approved Date

L6 414 LA TROBE STREET PO BOX 16084 MELBOURNE

VICTORIA 8007 AUSTRALIA T 61 3 9993 7888

ABN 55 050 029 635

spiire.com.au

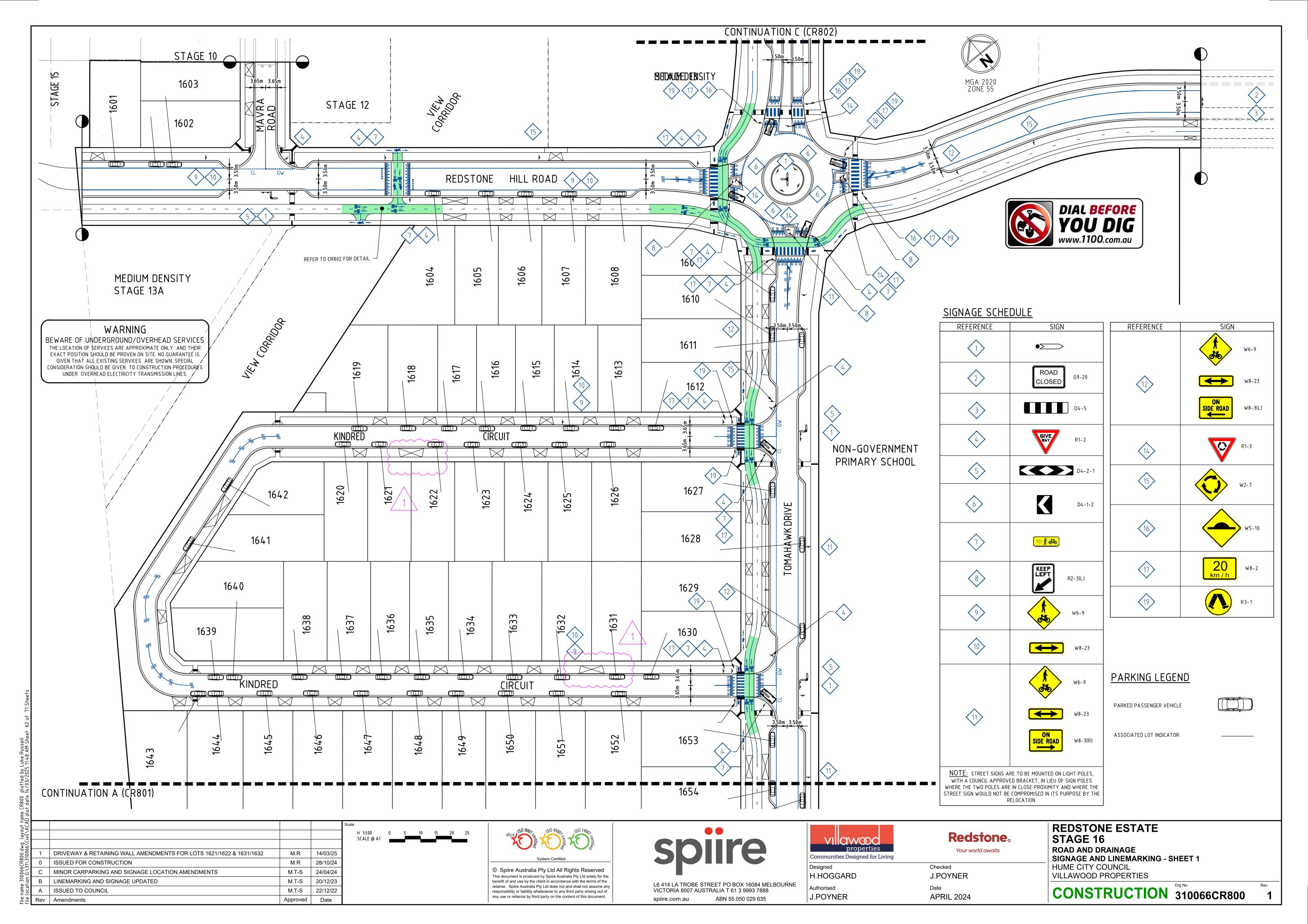
J.POYNER

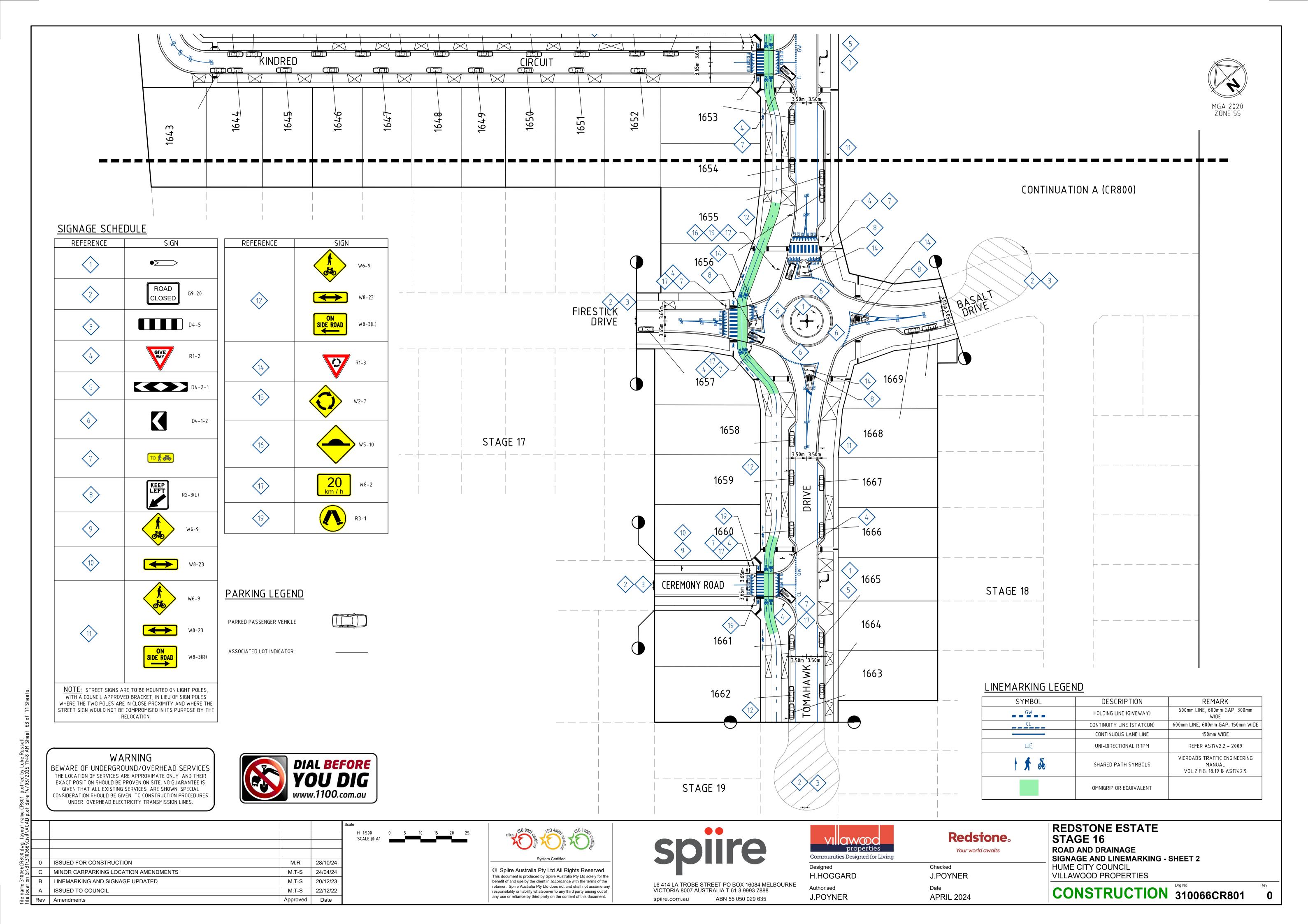
APRIL 2024

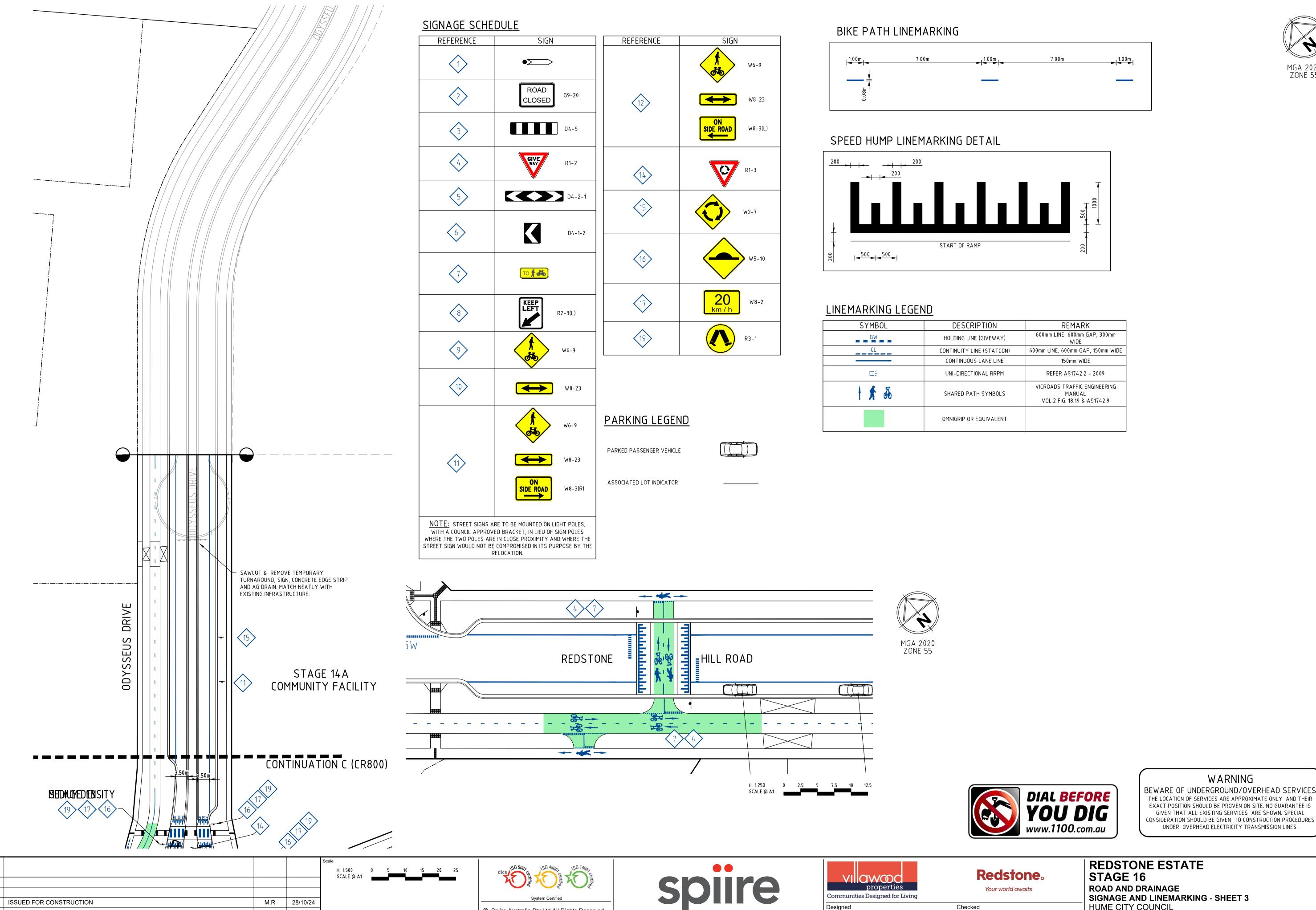
Authorised

J.POYNER

TOP OF GRAVEL TRENCH TO BE LINED WITH NON-WOVEN GEOTEXTILE MATERIAL AS SHOWN TO PREVENT FINE MIGRATION INTO THE TRENCH PASSIVE IRRIGATION PIPES AND FITTINGS TO BE 90 MM DIAMETER PVC SEWER ALL PVC JOINTS TO BE SEALED WITH SOLVENT CEMENT ALL GRASSED AREAS TO BE TOP DRESSED WITH 100 MM TOPSOIL AND SEEDED AS SPECIFIED SERVICE DEPTHS AND LOCATIONS ARE INDICATIVE ONLY WHERE THE VERGE IS LESS THAN 4.2m (TYPICAL) A SPECIFIC DETAIL SHALL BE SHOWN ON THE ENGINEERING DRAWINGS THAT RETAINS THE PRINCIPALS AND TREENET INLET 1500m - FOOTPATH (1 in 50) NATURE STRIP (1 in 30) 900 200mm BY 200 MM PAVER FLUSHED WITH -GROUND FINISHED SURFACE – 90¢ SOLID PVC PIPE. TOP OF ACCESS CAP BELOW PAVER — SLOPE 1 in 15 90¢ SOLID PVC PIPE WITH -— BARRIER KERB ADAPTOR THREADED ACCESS CAP ← PROVIDE GRATE COVER OVER PIPE INLET (TREENET INLET) NON-WOVEN GEOTEXTILE MATERIAL 🖫 (BIDIM A29 OR EQUIVALENT); GRAVEL TRENCH (RAIL BALLAST NOMINAL SIZE 50 mm) IMPERMEABLE LINER EXTEND 300 MM HORIZONTALLY AND — 200mm FROM BASE OF GRAVEL TRENCH TO AVOID FUNNELLING OF WATER INTO UNDERLYING CRUSHED ROCK 90¢ SLOTTED PIPE WITH GRATED CAP GRATED CAP 150 IMPERMEABLE LINER ON BASE AND SIDES  $-\!\!\!/$ SEWER - 1000m AS SHOWN ON PLAN AND CROSS SECTION (0.75mm POLYEHTYLENE OR EQUIVALENT) 90mm Ø BALANCING PIPE ─ - STREET DRAIN (PIPE BETWEEN GRAVEL TRENCHES COVER FROM TOP OF KERB GAS - 1800m - 20mm CLASS 3 CRUSHED POTABLE WATER - 2300m ROCK OR 20mm CLASS 3 CRUSHED CONCRETE 700 (TYPICAL CRUSHED ROCK WIDTH FOR 300 MM DIA STREET DRAIN) GRAVEL TRENCH (KERB INLET DIVERSION) MELTON CITY COUNCIL Alluvium Consulting Australia Pty. Ltd. PASSIVE STREET TREE IRRIGATION ABN 76 151 119 792 UPDATED DESIGN L.S 29.04.20 Lvl 1, 105-115 Dover Street Cremorne Vic 3121 GRAVEL TRENCH (KERB INLET DIVERSION) JMcL 30.11.18 REVISED DESIGN - REISSUE MELTON **CROSS SECTION** JMcL 31.10.18 REVISED DESIGN - REISSUE T 61 3 9421 2532 REVISED DESIGN JMcL 09.10.18 www.alluvium.com.au SCALE: 1:10 (A1) or 1:20 (A3) 0 0.2 REVISION: SHEET No.: ORIGINAL SIZE: A1 HV 27.09.18 APPROVED: PROJECT No: A PRELIMINARY ISSUE DESIGNED: DRAWN: CHECKED: H. VIRAHSAWM¥ K. STANHOPE │ J. MCLEAN DATUM: m AHD (MGA z55) APP'D DATE P118105 REV DESCRIPTION REDSTONE ESTATE Redstone. STAGE 16 properties ROAD AND DRAINAGE Your world awaits Communities Designed for Living PAVEMENT AND TYPICAL DETAILS - SHEET 5 **HUME CITY COUNCIL** Checked © Spiire Australia Pty Ltd All Rights Reserved H.HOGGARD J.POYNER VILLAWOOD PROPERTIES This document is produced by Spiire Australia Pty Ltd solely for the ISSUED FOR CONSTRUCTION M.R 28/10/24 benefit of and use by the client in accordance with the terms of the L6 414 LA TROBE STREET PO BOX 16084 MELBOURNE CONSTRUCTION 310066CR704 retainer. Spiire Australia Pty Ltd does not and shall not assume any Authorised A ISSUED TO COUNCIL M.T-S 20/12/23 VICTORIA 8007 AUSTRALIA T 61 3 9993 7888 responsibility or liability whatsoever to any third party arising out of J.POYNER APRIL 2024 any use or reliance by third party on the content of this document. Approved Date spiire.com.au ABN 55 050 029 635 Rev Amendments







© Spiire Australia Pty Ltd All Rights Reserved

This document is produced by Spiire Australia Pty Ltd solely for the

benefit of and use by the client in accordance with the terms of the

responsibility or liability whatsoever to any third party arising out of

any use or reliance by third party on the content of this document.

retainer. Spiire Australia Pty Ltd does not and shall not assume any

H.HOGGARD

Authorised

J.POYNER

L6 414 LA TROBE STREET PO BOX 16084 MELBOURNE

ABN 55 050 029 635

VICTORIA 8007 AUSTRALIA T 61 3 9993 7888

spiire.com.au

J.POYNER

APRIL 2024

M.T.S

M.T-S

Approved

SHARED PATH CROSSING MOVED

ISSUED TO COUNCIL

LINEMARKING AND SIGNAGE UPDATED

24/04/24

20/12/23

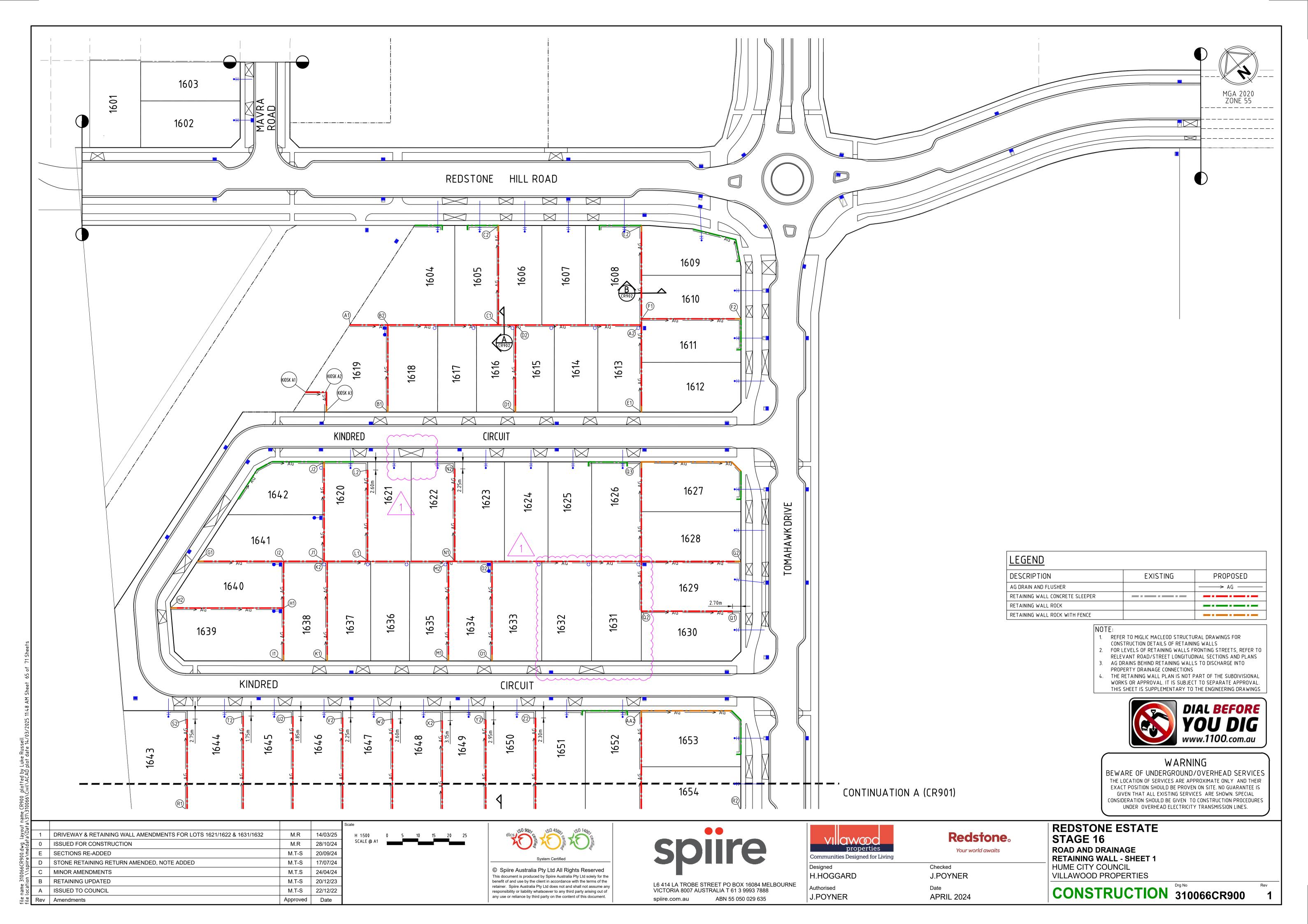
22/12/22

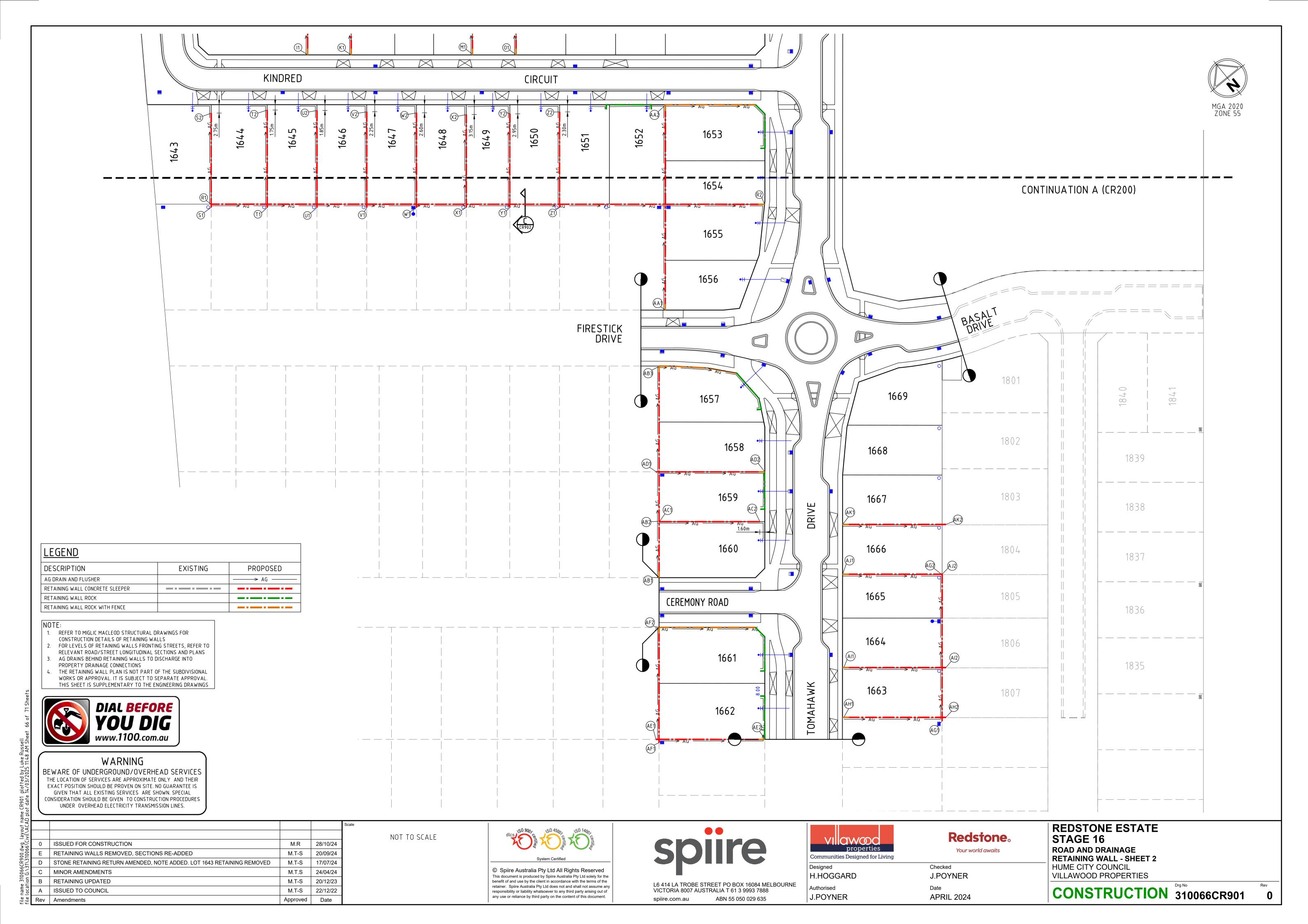
Date

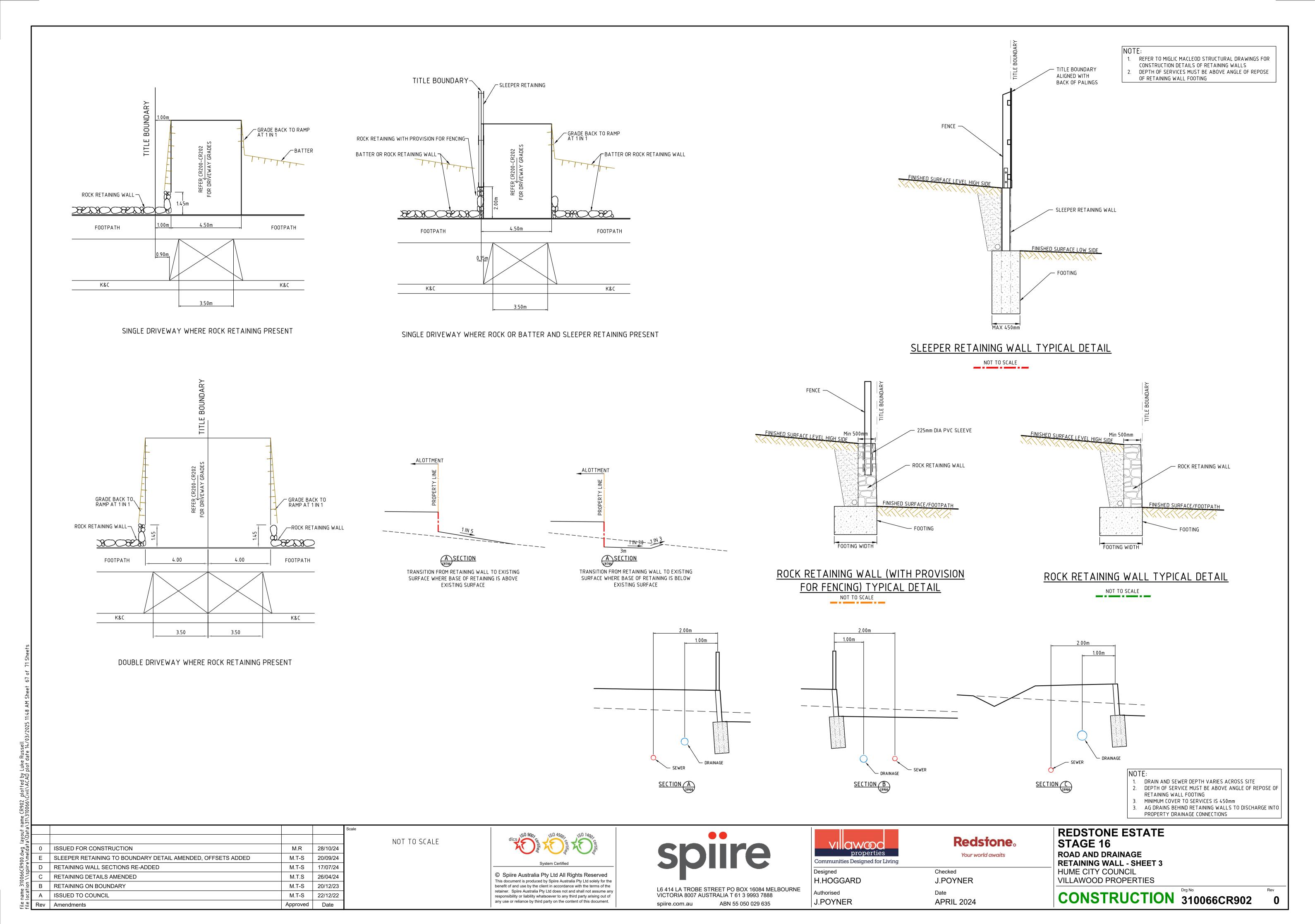
**SIGNAGE AND LINEMARKING - SHEET 3 HUME CITY COUNCIL** VILLAWOOD PROPERTIES

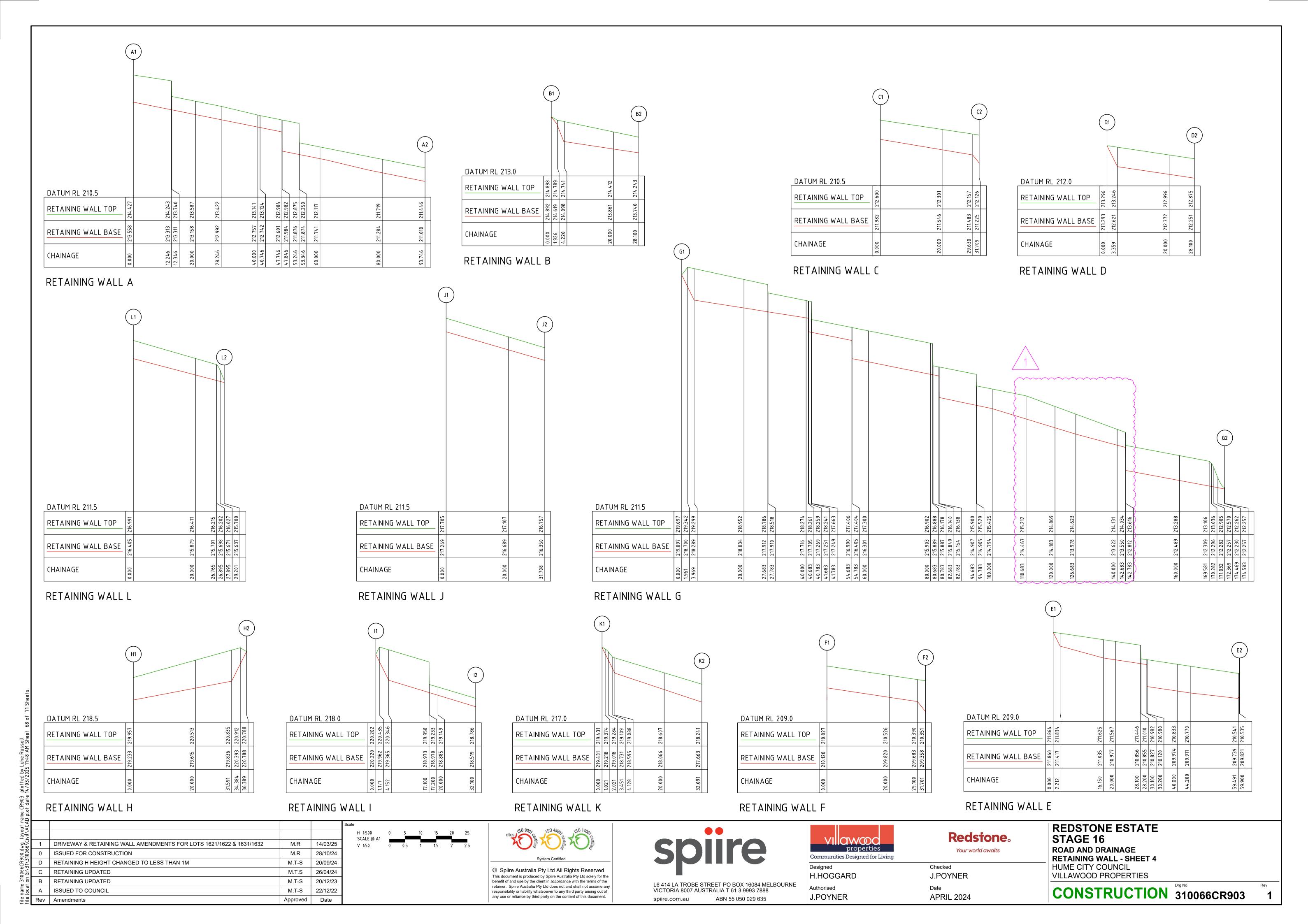
CONSTRUCTION 310066CR802

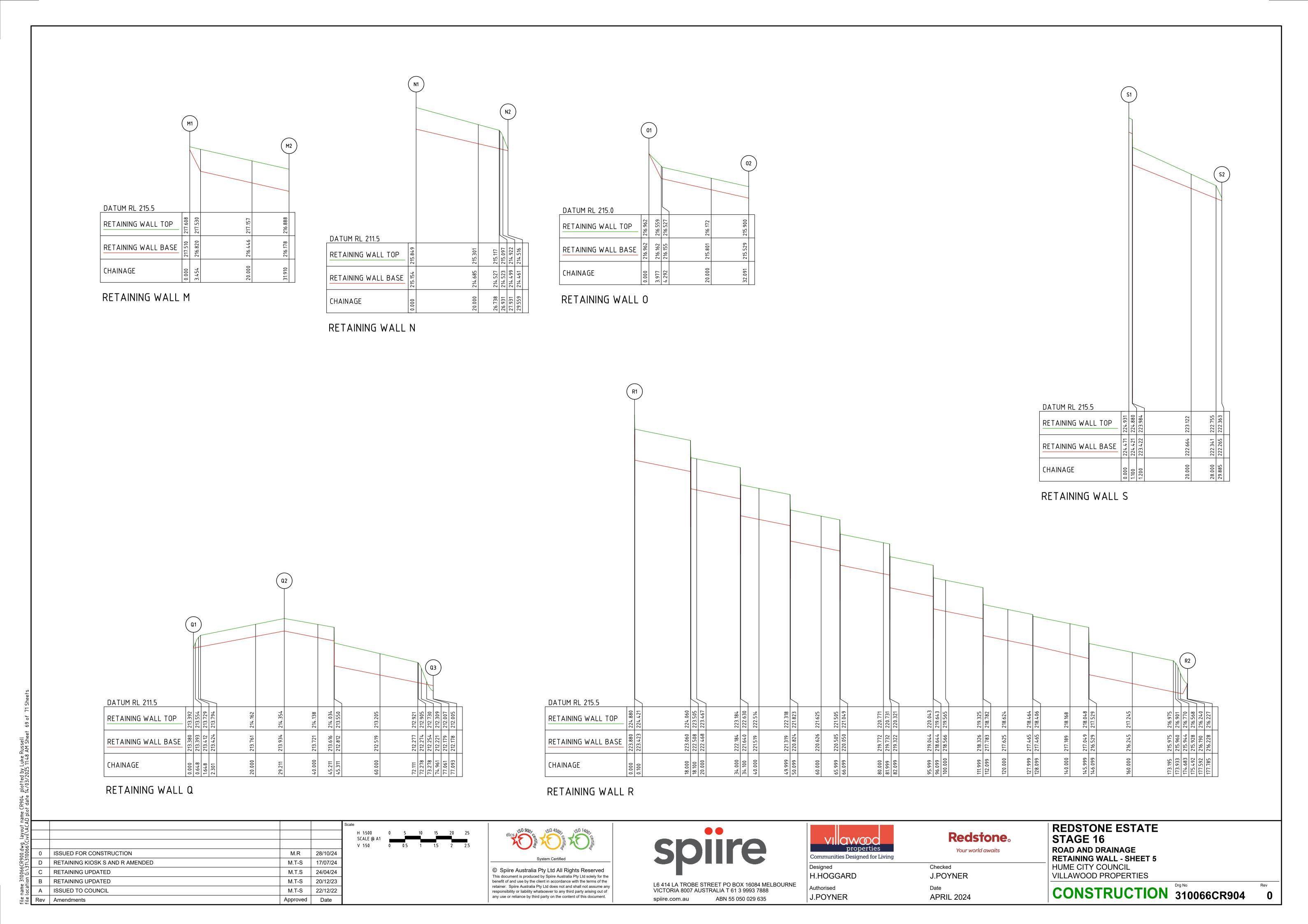
WARNING

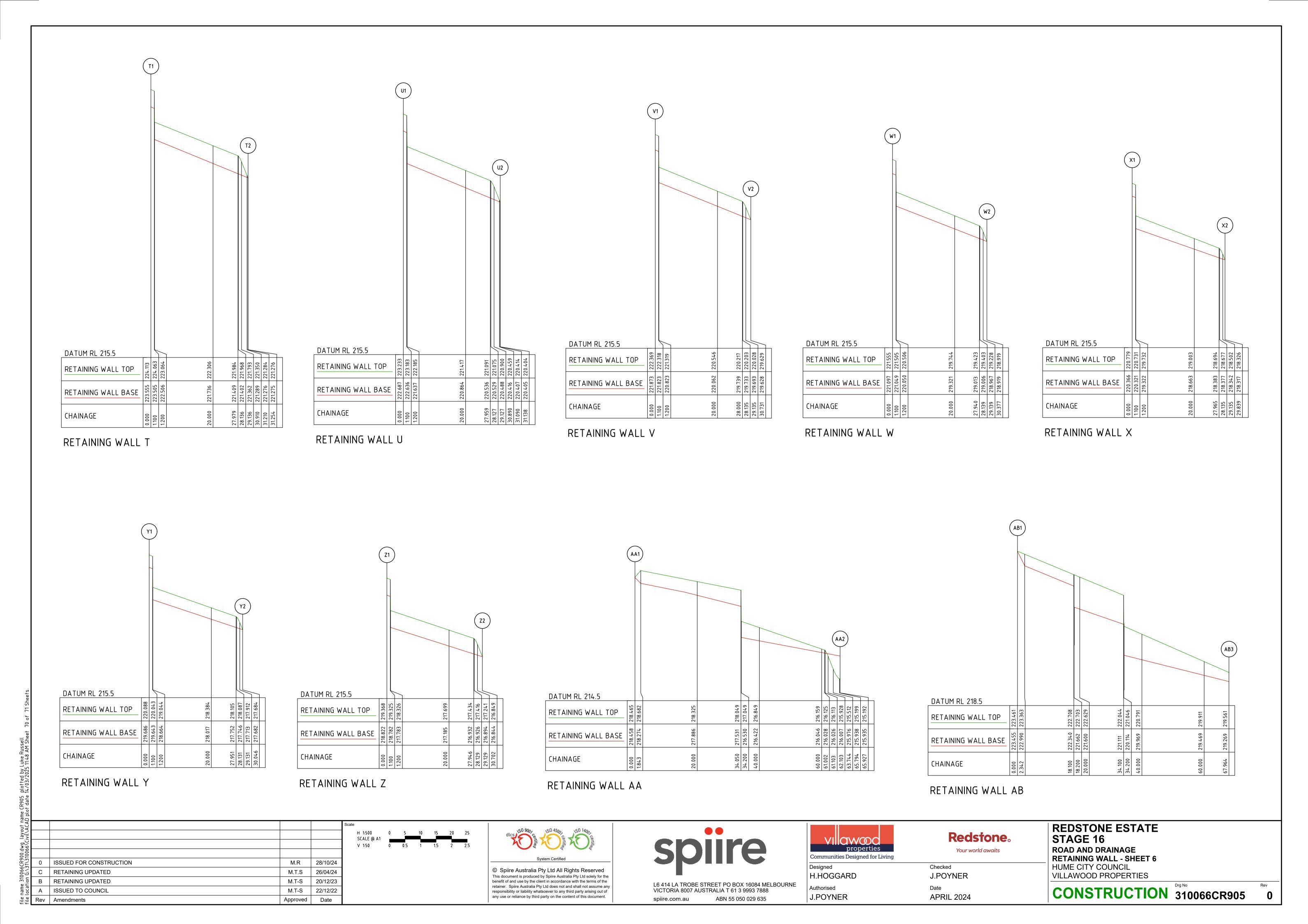


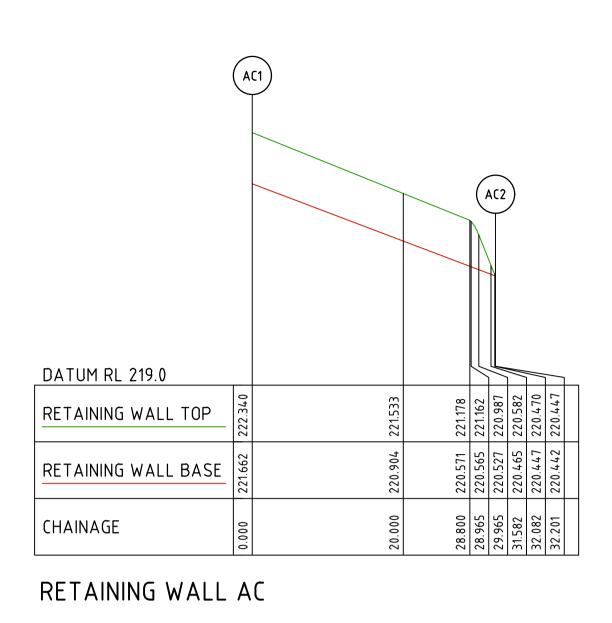


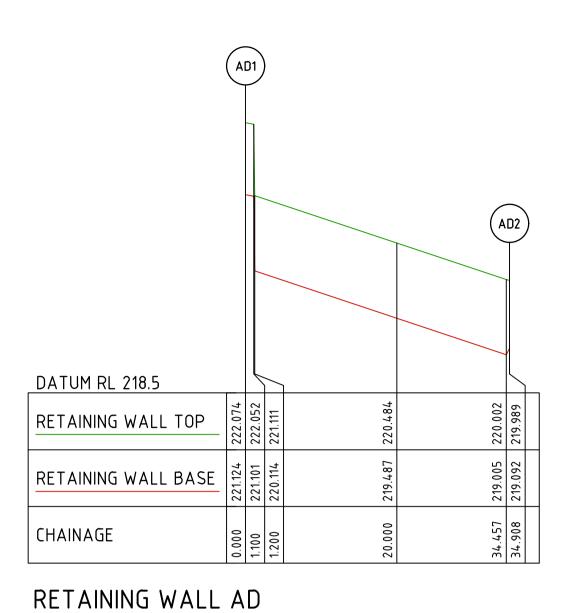


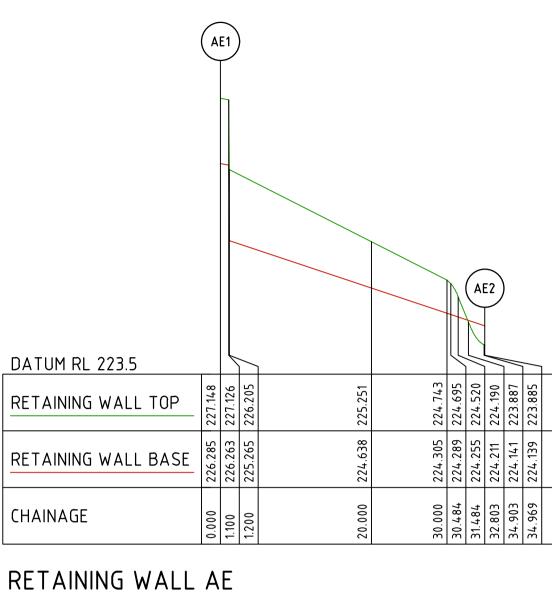


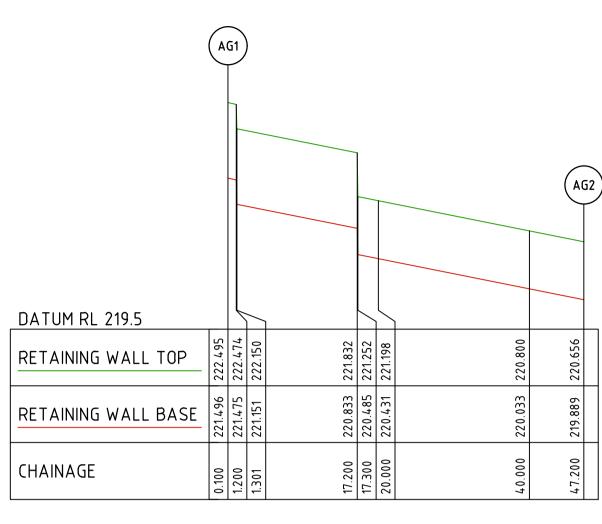




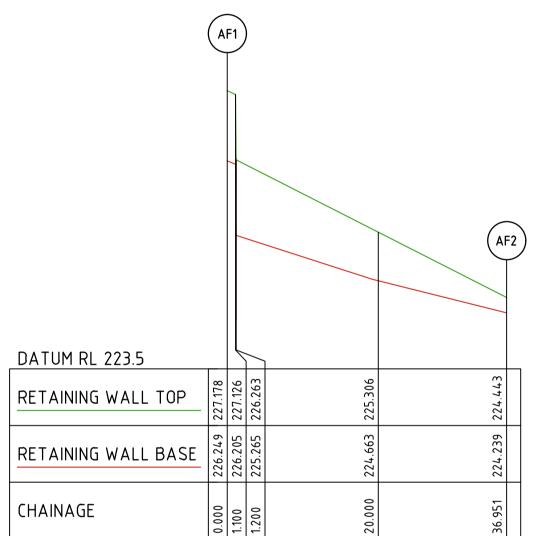




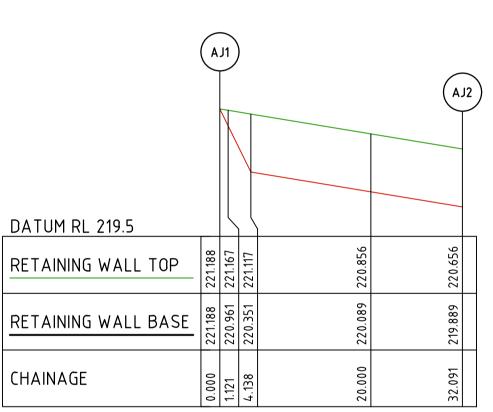




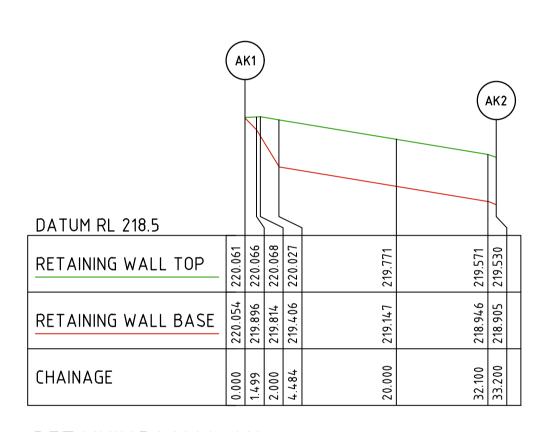
RETAINING WALL AG



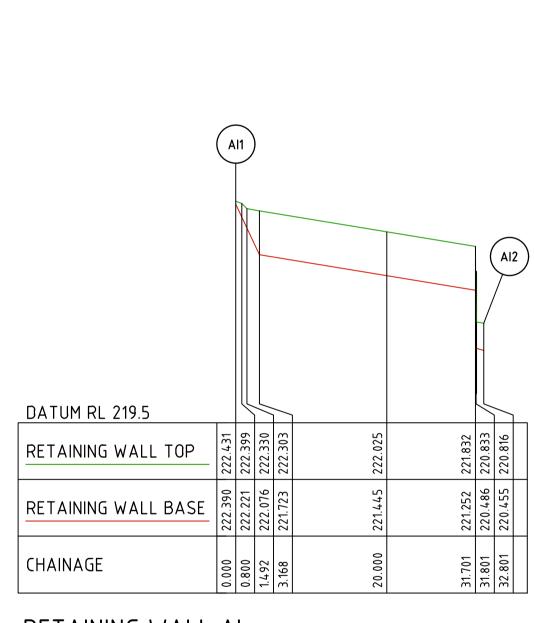
RETAINING WALL AF



	0 7 7
RETAINING WALL	_ A J



RETAINING WALL AK



RETAINING WALL AI

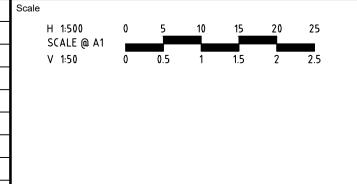
		A	H1	)				
1	DATUM RL 217.0						(AH2)	
<u> </u>	RETAINING WALL TOP	223.222	223.176	222.953	222.664	222.469	221.470	221.454
1	RETAINING WALL BASE	223.176	223.012		222.343	222.149	221.151	221.134
	CHAINAGE	0.000	0.800	2.671	20.000	31.701	31.801	32.801

RETAINING WALL AH

	KIOS	KA1 KIOS	KA2	KIOS	K.A
DATUM RL 214.5					
RETAINING WALL TOP	215.935	215.811	215.746	215.669	
RETAINING WALL BASE	215.089	214.991	215.072	215.669	
CHAINAGE	0.000	6.570	10.000	12.970	

RETAINING WALL KIOSKA

ut n ACAI					S
layo vil\					
wg 6\Ci	0	ISSUED FOR CONSTRUCTION	M.R	28/10/24	
name 310066CR900.dwg layout location G:\31\310066\Civil\AC	Е	RETAINING WALL KIOSK B REMOVED, OTHER RETAINING WALLS AMENDED	M.T-S	20/09/24	
	D	RETAINING KIOSK B AND AG AMENDED	M.T-S	17/07/24	
	С	RETAINING UPDATED	M.T.S	26/04/24	]
	В	RETAINING UPDATED	M.T-S	20/12/23	
	Α	ISSUED TO COUNCIL	M.T-S	22/12/22	
file file	Rev	Amendments	Approved	Date	





retainer. Spiire Australia Pty Ltd does not and shall not assume any

responsibility or liability whatsoever to any third party arising out of

any use or reliance by third party on the content of this document.



ABN 55 050 029 635

spiire.com.au



properties Communities Designed for Living	Your world awaits
Designed H.HOGGARD	Checked J.POYNER
Authorised	Date
J.POYNER	APRIL 2024

**Redstone**。

REDSTONE ESTATE	
STAGE 16	
ROAD AND DRAINAGE	
RETAINING WALL - SHEET 7	
HUME CITY COUNCIL	
/ILLAWOOD PROPERTIES	