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

WITH WATER IS NOT PERMITTED.

- 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
- 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
- DRY DENSITY VALUE DETERMINED BY THE MODIFIED COMPACTION TEST IN ACCORDANCE WITH A.S.1289.5.2.1–2003. 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.
- 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
- 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.
- 37. ALL LINEMARKING PAINT SHALL BE LONG LIFE TYPE IN ACCORDANCE WITH SECTION 95C OF THE HUME CITY COUNCIL

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

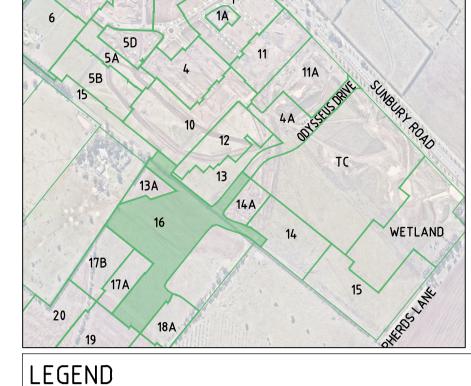
- 44. ALL EXISTING SURFACE LEVELS SHOWN ON THE ENGINEERING DRAWINGS HAVE BEEN INTERPOLATED FROM A DIGITAL TERRAIN MODEL. THESE LEVELS HAVE BEEN USED AS THE BASIS FOR ALL ENGINEERING DESIGN AND DETERMINATION OF QUANTITIES AND ARE ACCURATE TO WITHIN ±0.05m.
- 45. ANY EXISTING SERVICES SHOWN ON THESE DRAWINGS 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 Ø100mm CLASS 12 P.V.C. - DUAL SERVICE (DRINKING AND NON DRINKING WATER)

ACCORDANCE WITH THE SPECIFICATION.

- 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 BE CONSTRUCTED AS PER HUME DRAWING SD309

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 UNDER OVERHEAD ELECTRICITY TRANSMISSION LINES.





EEGEND		
DESCRIPTION	EXISTING	PROPOSED
WATER MAIN, VALVE AND HYDRANT	DW	DW
UNDERGROUND ELECTRICITY	E	——Е——
OPTIC FIBRE	— — OF — — —	OF
SEWER & MAINTENANCE STRUCTURE	———s——o—	s
CENTRAL INVERT	>>-	
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 —— ⊚ ——
STORM WATER DRAINAGE PIT NUMBER	EX.47	1
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)	TW112.76	TW128.50 BW126.74
EARTHWORKS GRADE		1 in 150
SIGN AND POST		
STREET SIGN		•
PERMANENT SURVEY MARK	*	*
TEMPORARY BENCH MARK		Â
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		
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		_x
VEGETATION LINE	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	

DRAWING SCHEDULE

DRAWING	DESCRIPTION	SHEET No.	REVISIO
CR100	FACE SHEET	1	0
CR200	FACE PLAN - SHEET 1	2	0
CR201	FACE PLAN - SHEET 2	3	0
CR202	FACE SHEET - SHEET 3	4	0
CR203	SERVICES PLAN - SHEET 1	5	0
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
CR303	ROAD LONG SECTIONS - SHEET 4	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	0
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
CR504	INTERSECTION DETAILS - SHEET 5	37	0
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	0
CR701	PAVEMENT AND TYPICAL DETAILS - SHEET 2	58	0
CR701	PAVEMENT AND TYPICAL DETAILS - SHEET 3	59	0
CR702	PAVEMENT AND TYPICAL DETAILS - SHEET 4	60	0
CR704	PAVEMENT AND TYPICAL DETAILS - SHEET 4 PAVEMENT AND TYPICAL DETAILS - SHEET 5		
		61	0
CR800	SIGNAGE AND LINEMARKING - SHEET 1	62	0
CR801	SIGNAGE AND LINEMARKING - SHEET 2	63	0
CR802	SIGNAGE AND LINEMARKING – SHEET 3	64	0
CR900	RETAINING WALL - SHEET 1	65	0
CR901	RETAINING WALL - SHEET 2	66	0
CR902	RETAINING WALL - SHEET 3	67	0
CR903	RETAINING WALL - SHEET 4	68	0
CR904	RETAINING WALL - SHEET 5	69	0
	DETAINING WALL CHEET (70	0
CR905	RETAINING WALL - SHEET 6	10	, v

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. & 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 ACCORDANCE WITH COUNCIL STANDARD DRAWING SD202. 35. ALL TABLE DRAINS AND VERGES ARE TO BE REINSTATED UPON COMPLETION OF WORKS TO THE SATISFACTION OF THE

STREET NAME SIGNS ARE TO BE IN ACCORDANCE WITH COUNCIL STANDARD DRAWING SD408. 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.





TACTILE GROUND SURFACE INDICATOR

FOOTPATH

KERB TRANSITION

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

B2 SM2

Your world awaits

J.POYNER

APRIL 2024

Redstone。

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

CONSTRUCTION 310066CR100

ISSUED FOR CONSTRUCTION M.R 28/10/24 AMENDED AS PER COUNCIL COMMENTS M.R 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

SUBDIVISION ACT 1988 his approved engineering plan orms part of Planning Permit Sheet 1 of 71 Signature for Responsible Nirpal Singh

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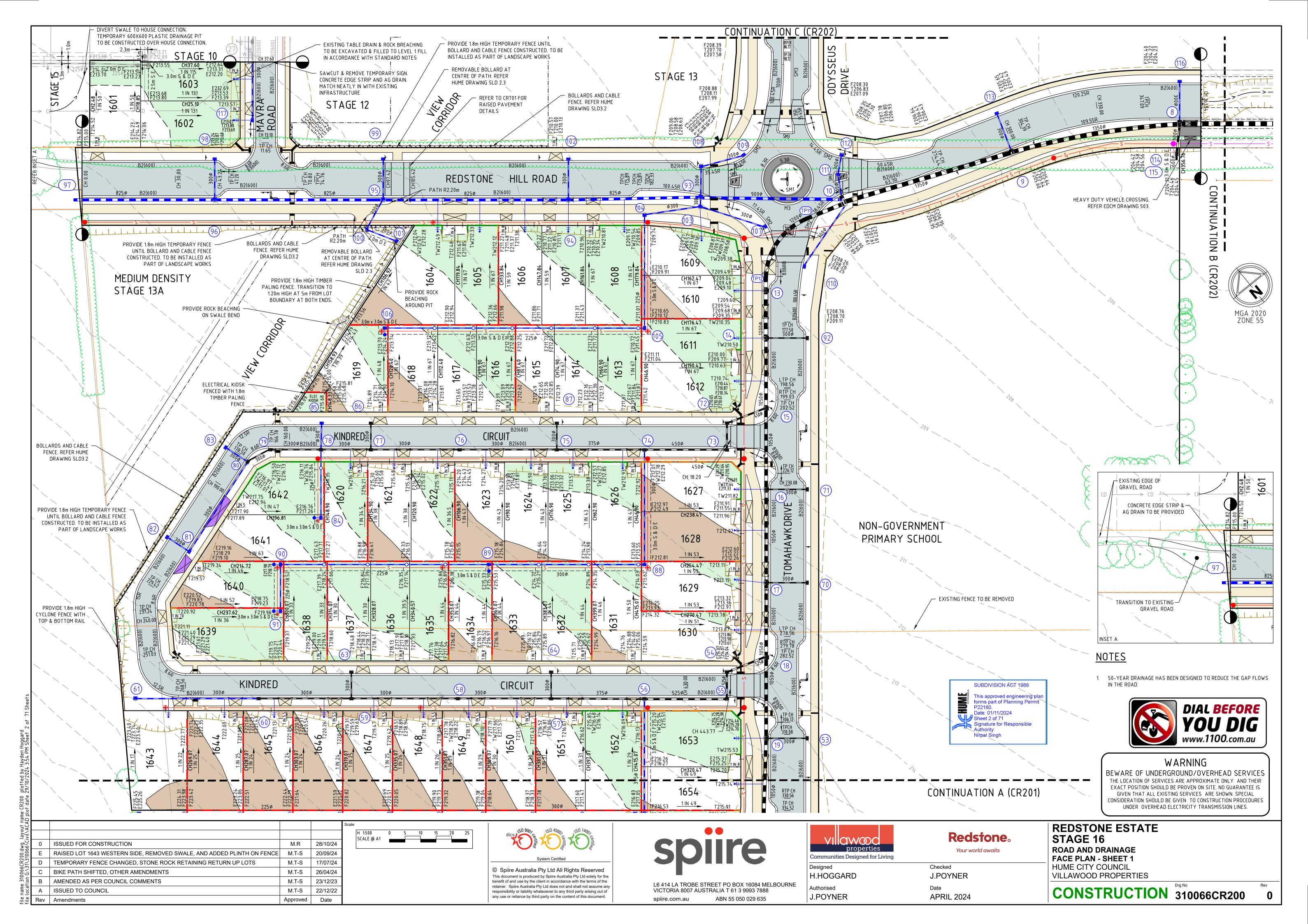
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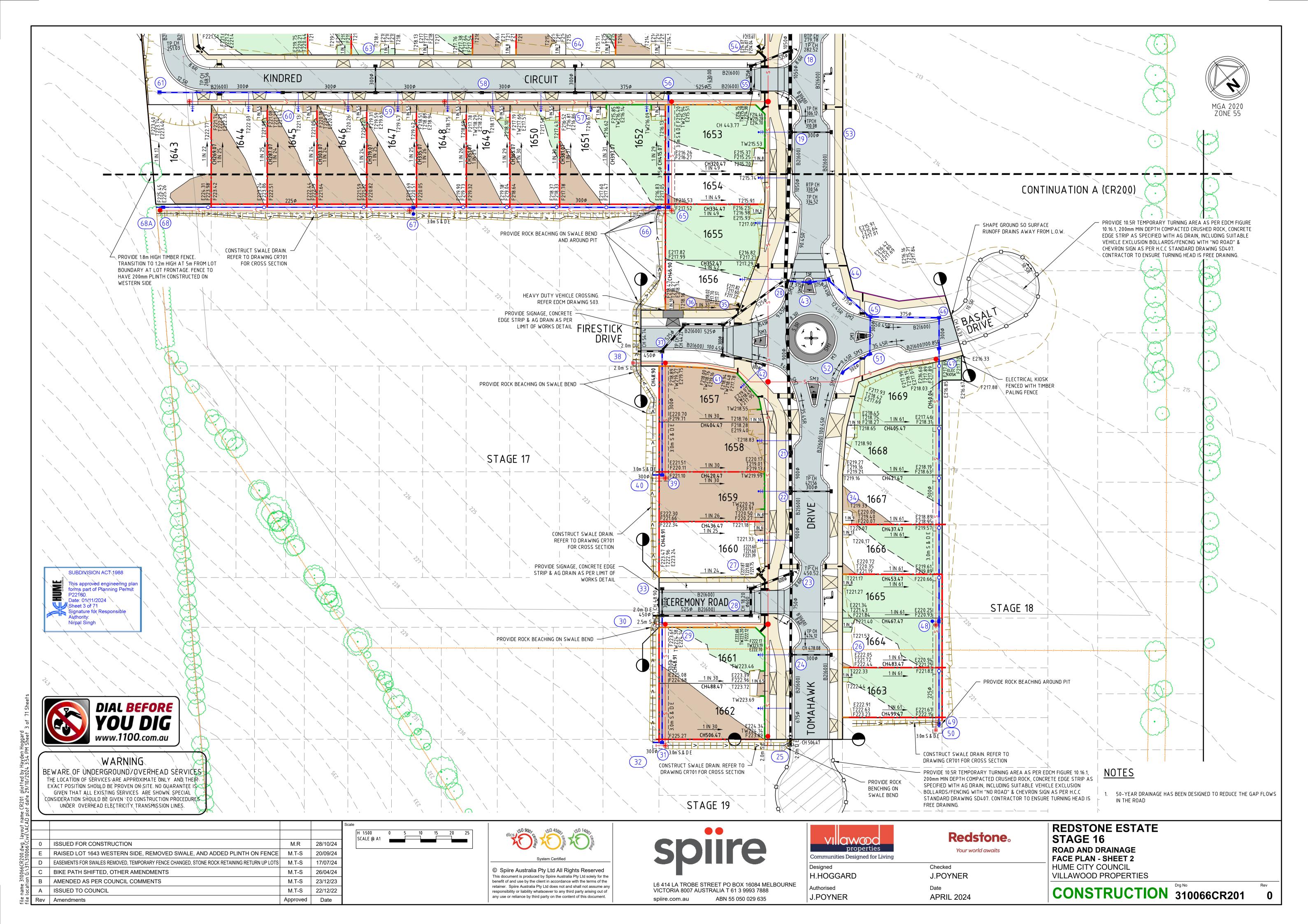
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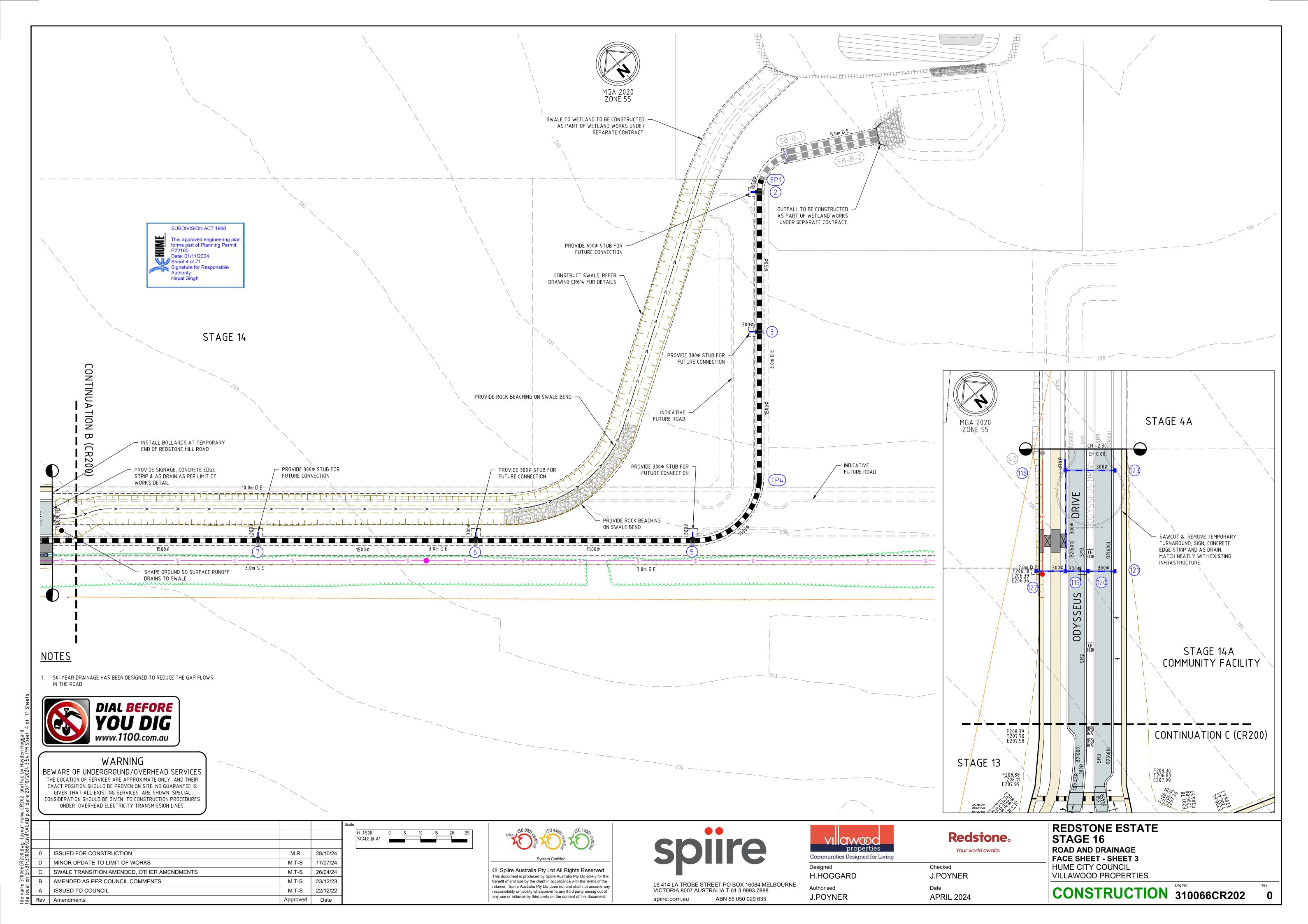
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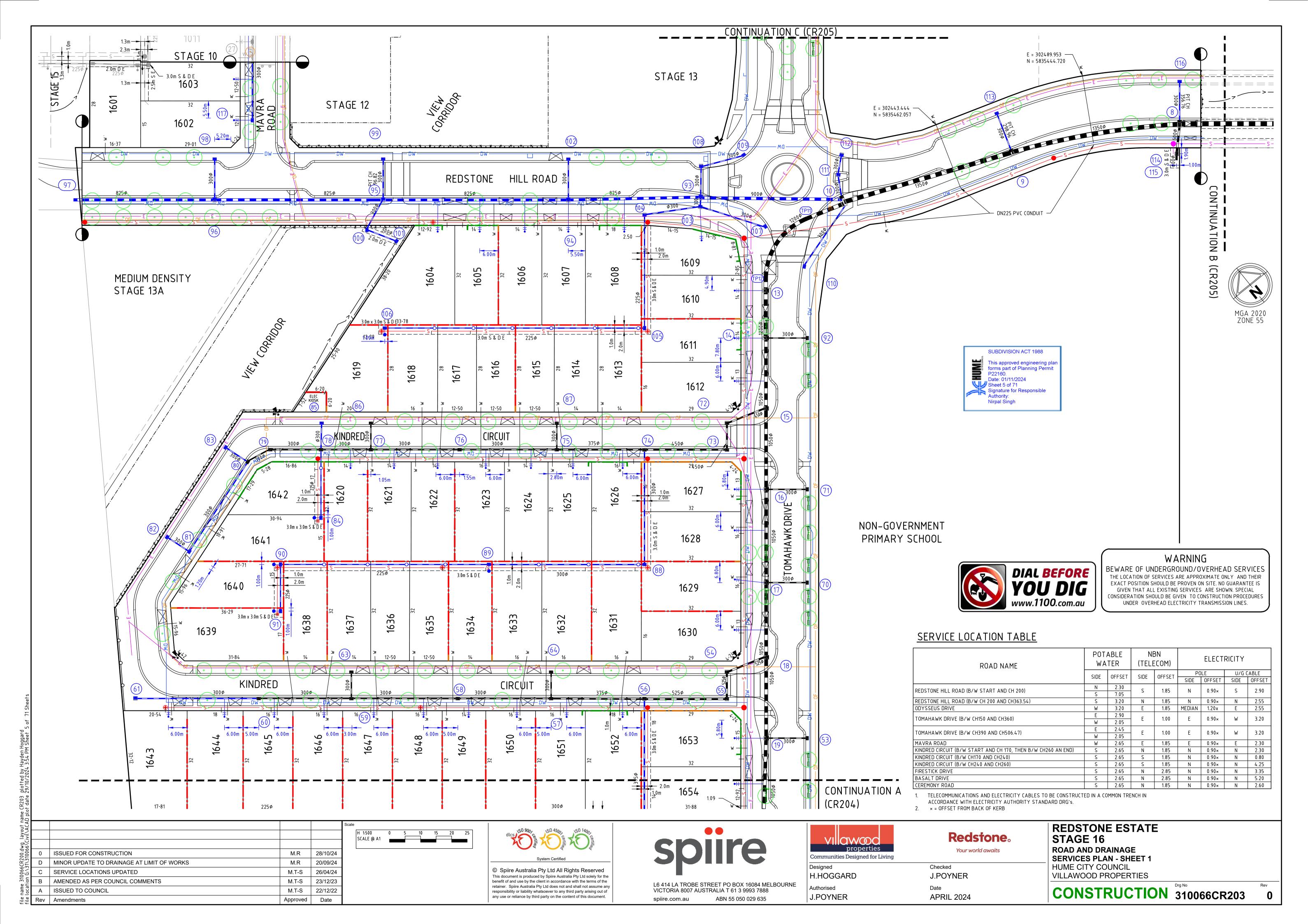
any use or reliance by third party on the content of this document.

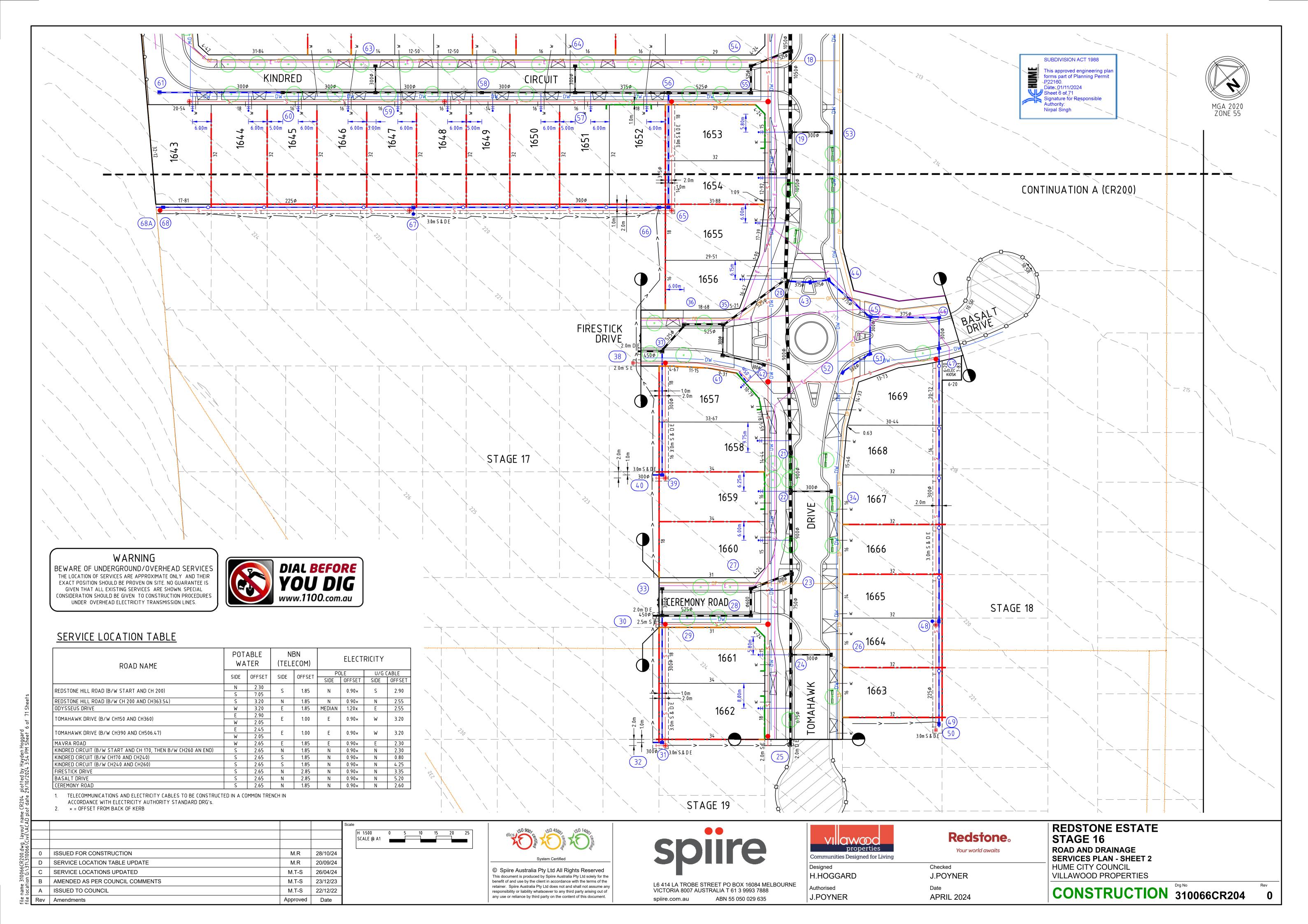
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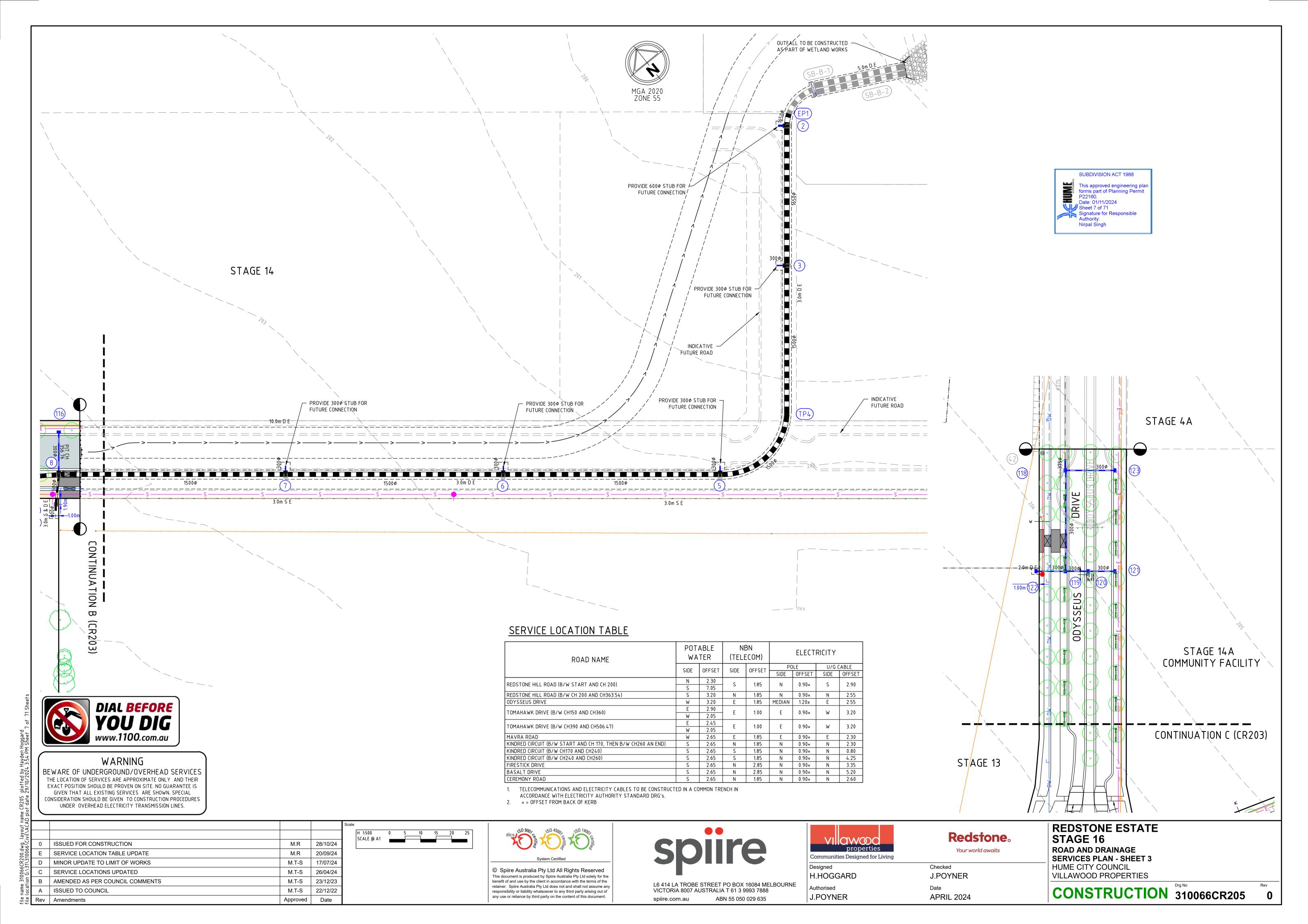


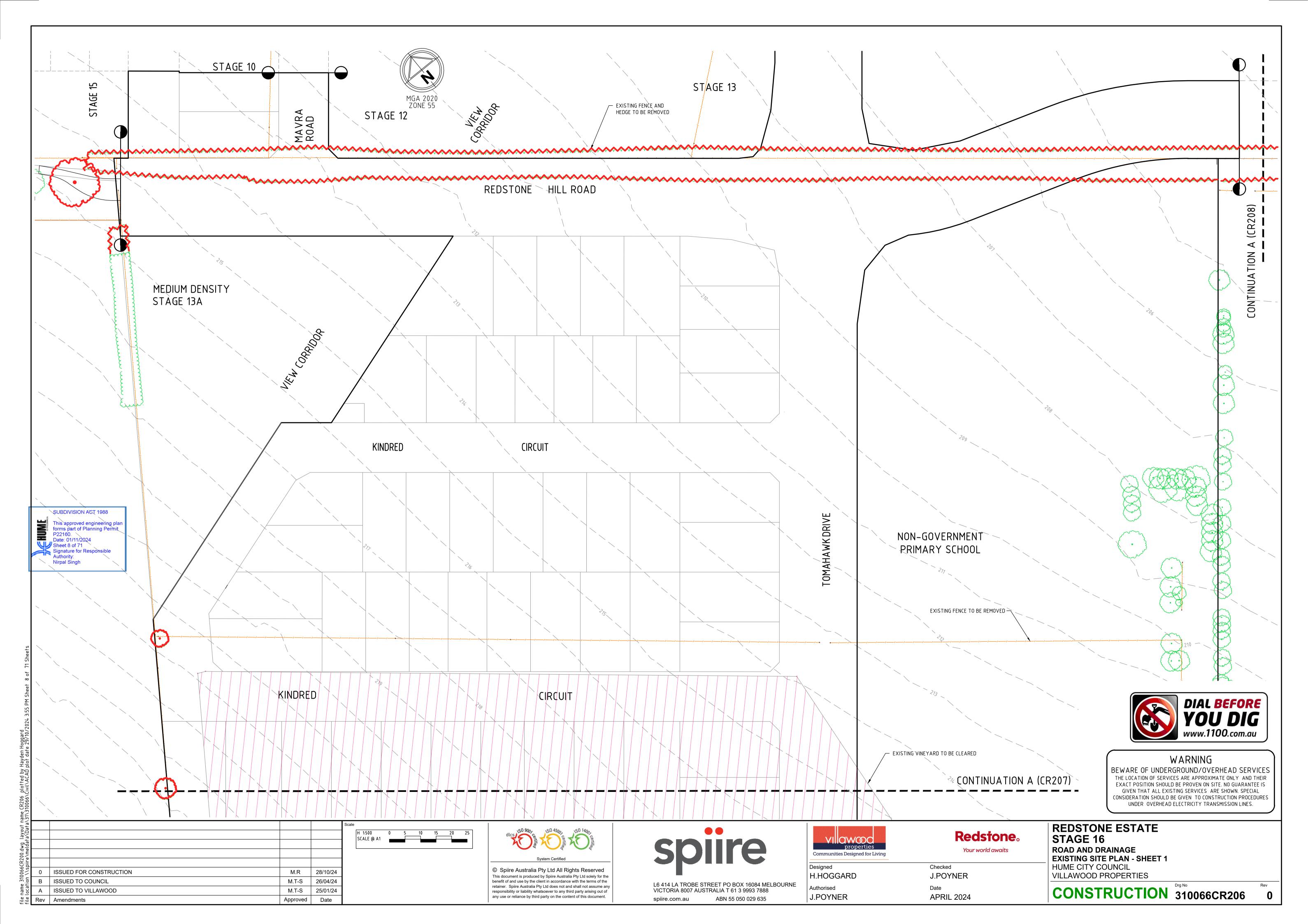


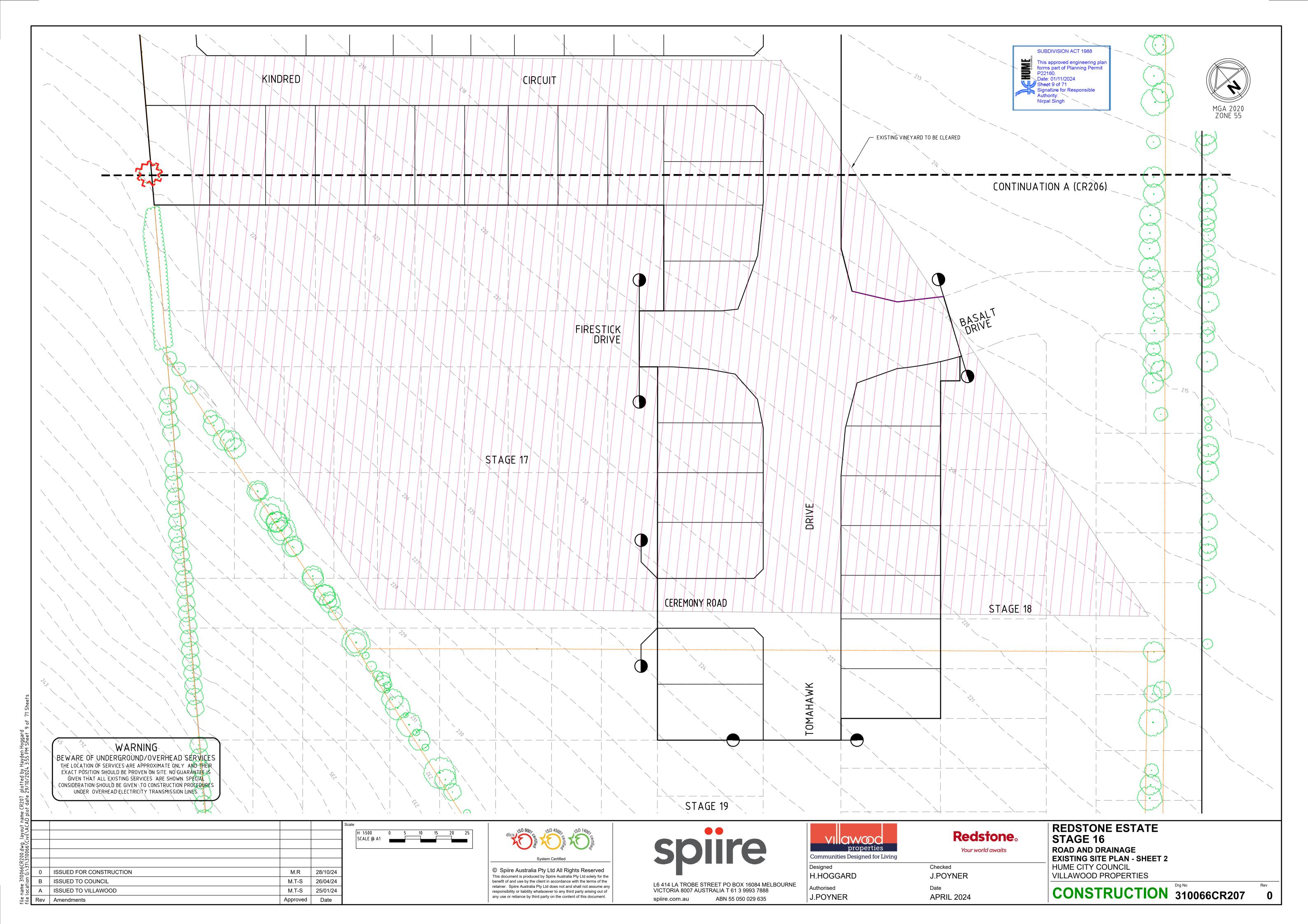


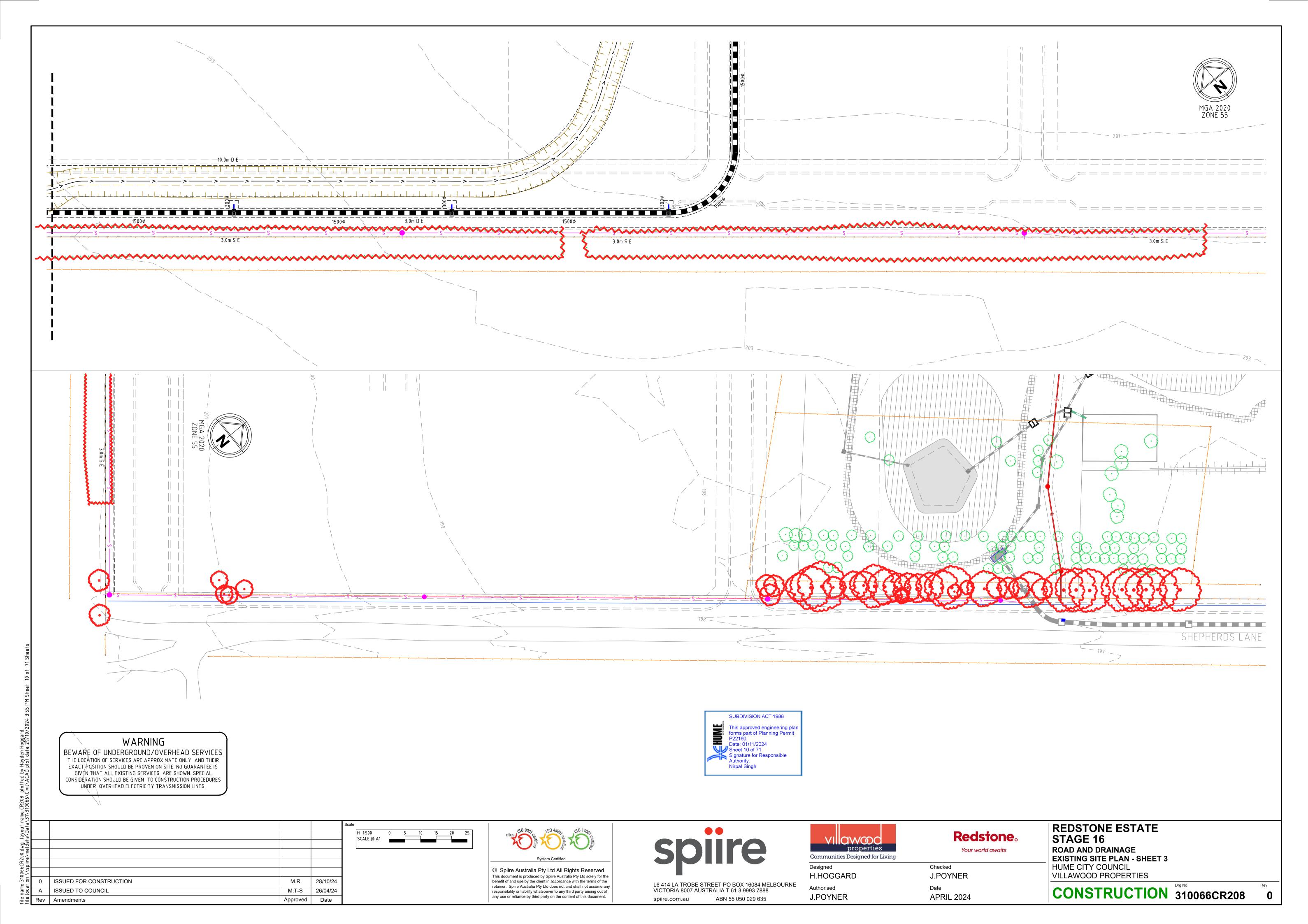




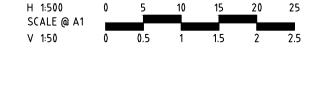








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CR3	D	REMOVAL OF LOT 1643 RETAINING	M.T-S	17/07/24	
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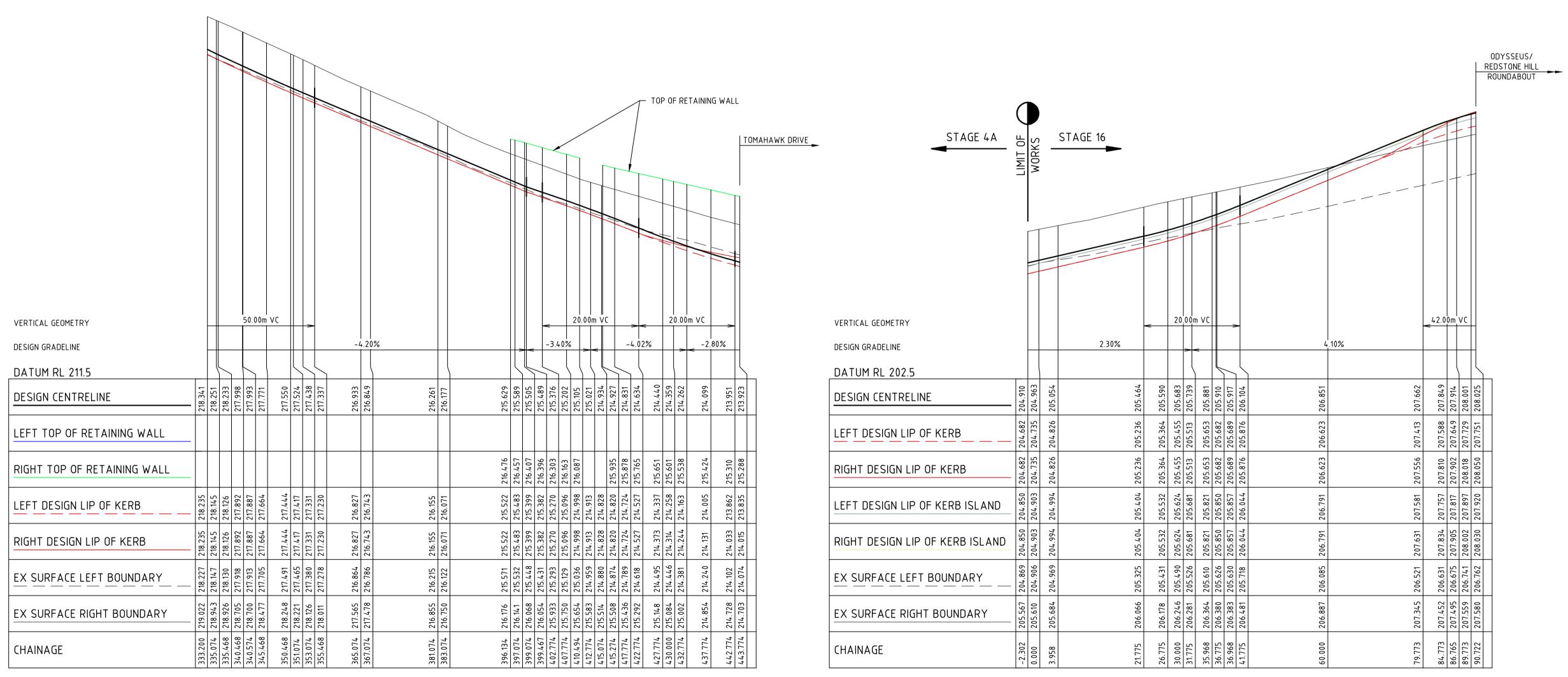
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REDSTONE ESTATE Redstone. Your world awaits

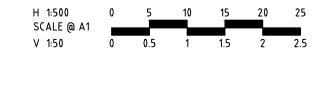
STAGE 16 **ROAD AND DRAINAGE ROAD LONG SECTIONS - SHEET 1 HUME CITY COUNCIL VILLAWOOD PROPERTIES**



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Authorised	Date

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

L6 414 LA TROBE STREET PO BOX 16084 MELBOURNE

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CONSTRUCTION 310066CR302

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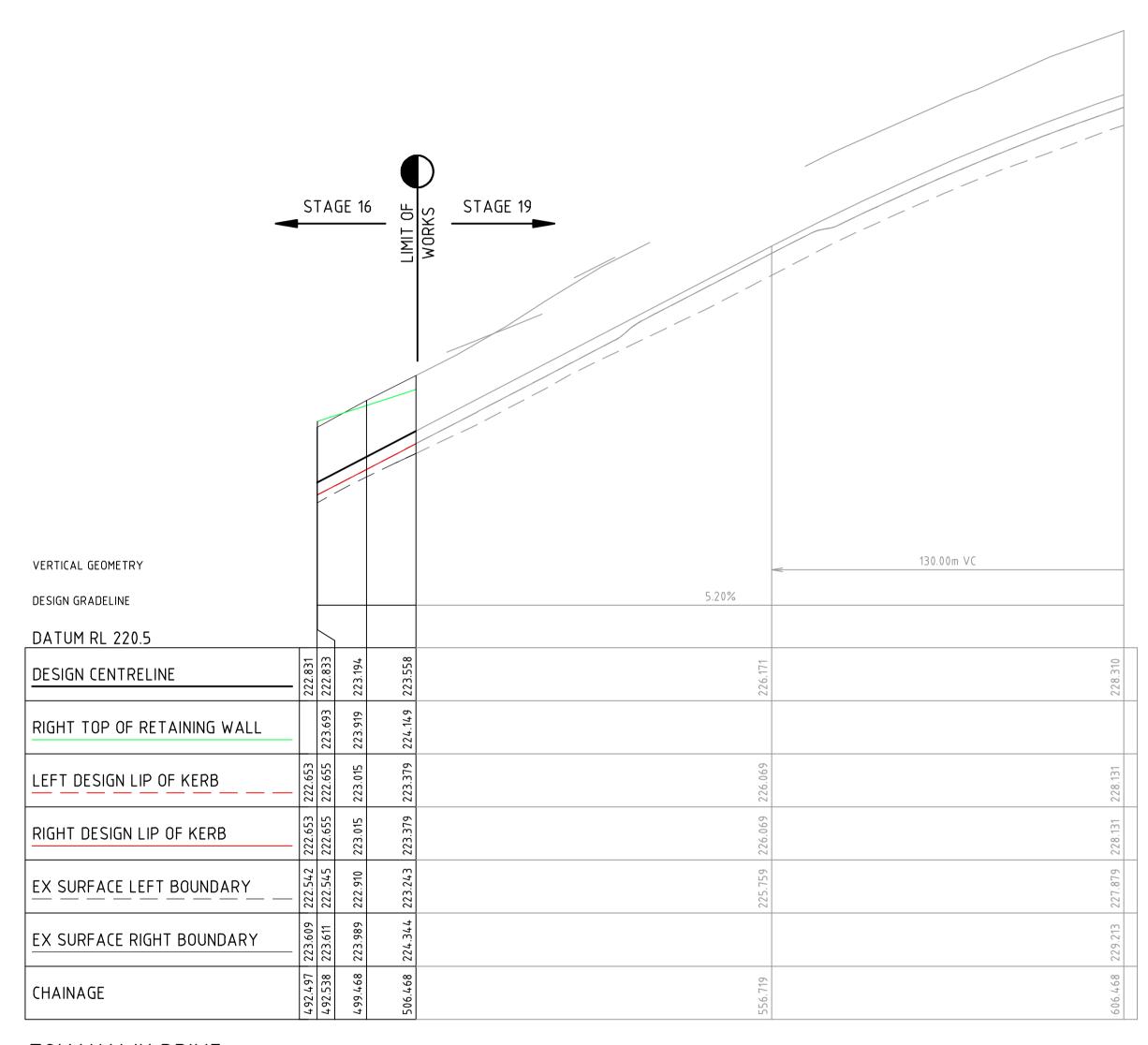
Rev | Amendments

M.T-S

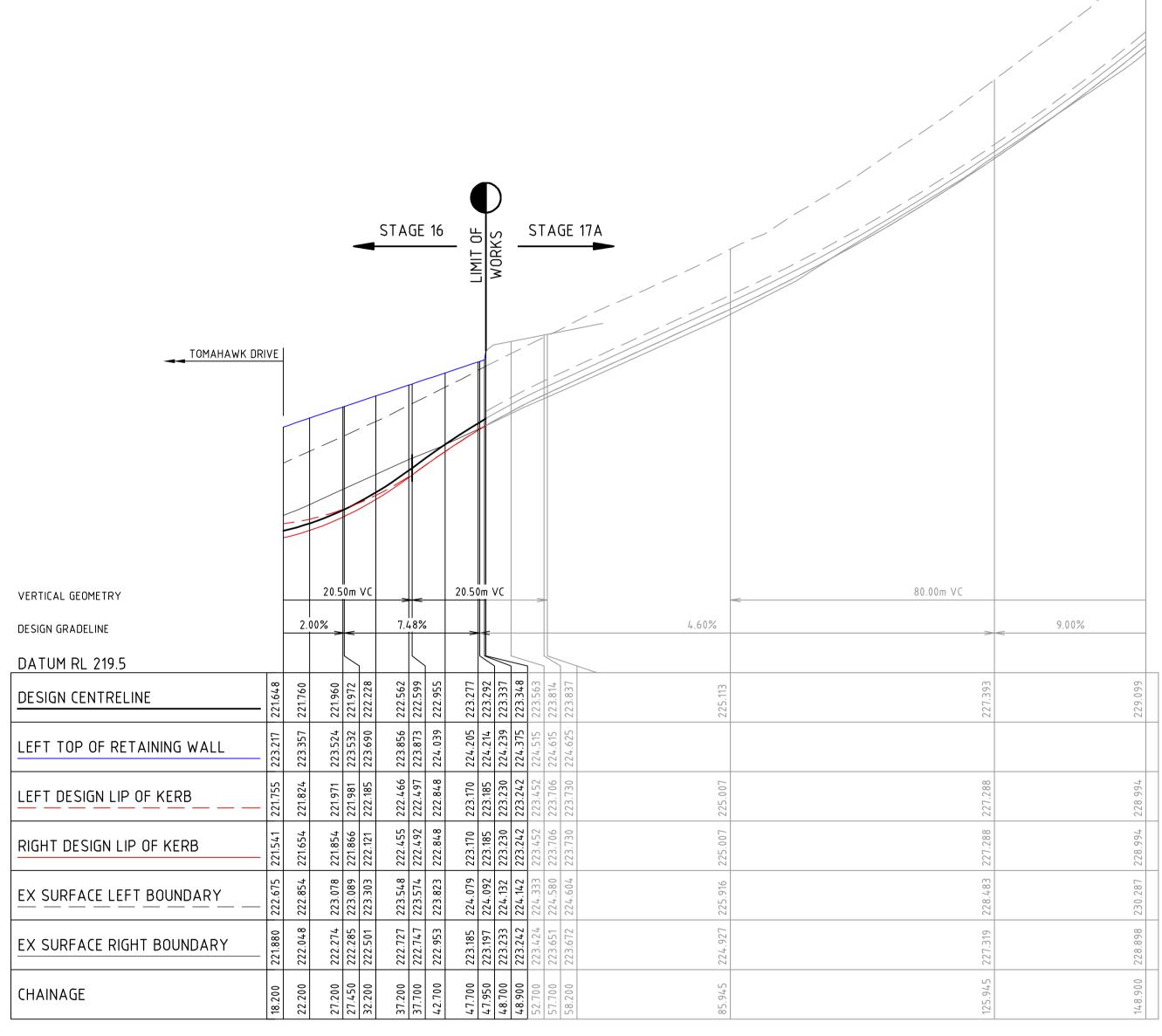
Approved

22/12/22

Date

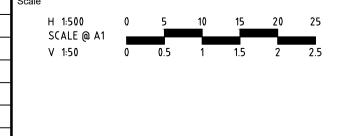


TOMAHAWK DRIVE



CEREMONY ROAD

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CR3	D	CEREMONY ROAD CHANGED TO TWO WAY CROSSFALL	M.T-S	17/07/24	
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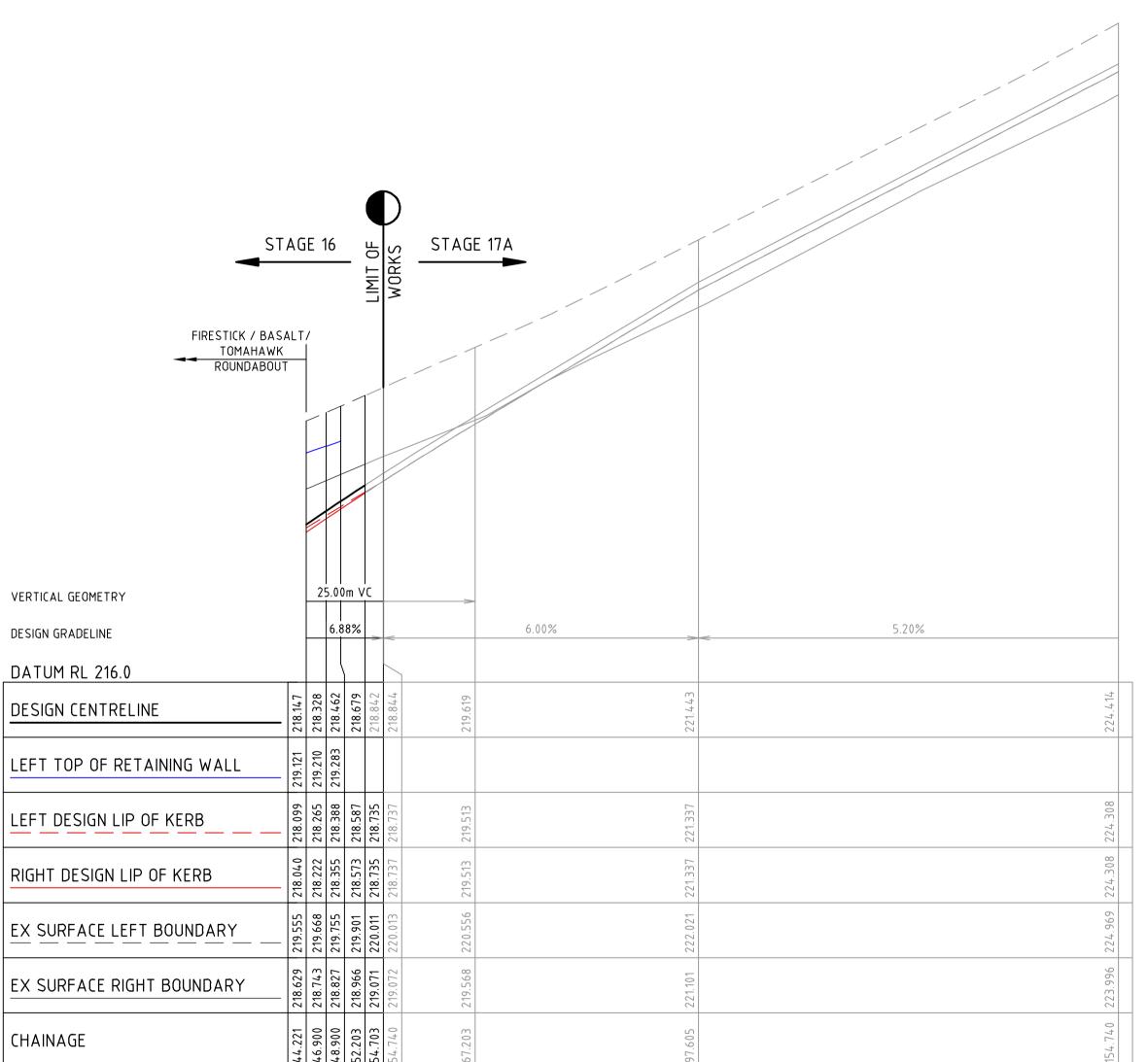
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Redstone。

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



REDSTONE HILL ROAD SUBDIVISION ACT 1988 This approved engineering plan forms part of Planning Permit P22160. Sheet 15 of 71 Signature for Responsible Authority: Nirpal Singh 31.50m VC 25.00m VC 21.42m VC VERTICAL GEOMETRY 2.00% -7.00% -3.19% -2.38% DESIGN GRADELINE DATUM RL 206.5

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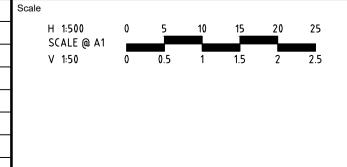
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ocation	В	VERTICLE CURVE AMENDED	M.T-S	20/12/23	
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FIRESTICK DRIVE





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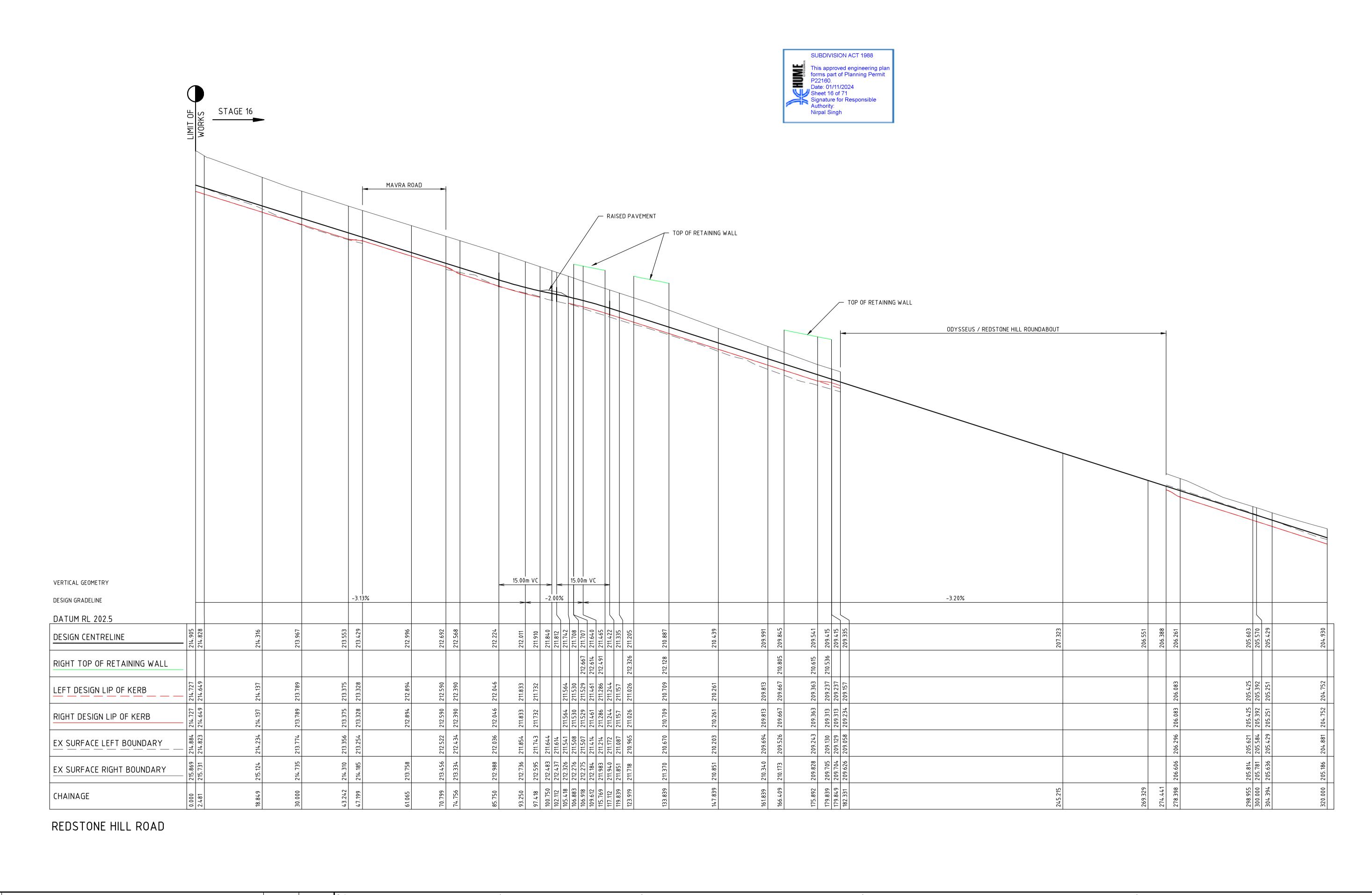
properties Communities Designed for Living	Your w
Designed H.HOGGARD	Checked J.POYNER
Authorised	Date

Redstone。

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



310066CR300.dwg layout name CR305 plotted by Hayden Hoggard ion G:\31\310066\Civil\ACAD plot date 29/10/2024 3:55 PM Sheet 16 of 7

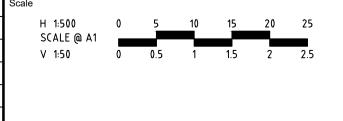
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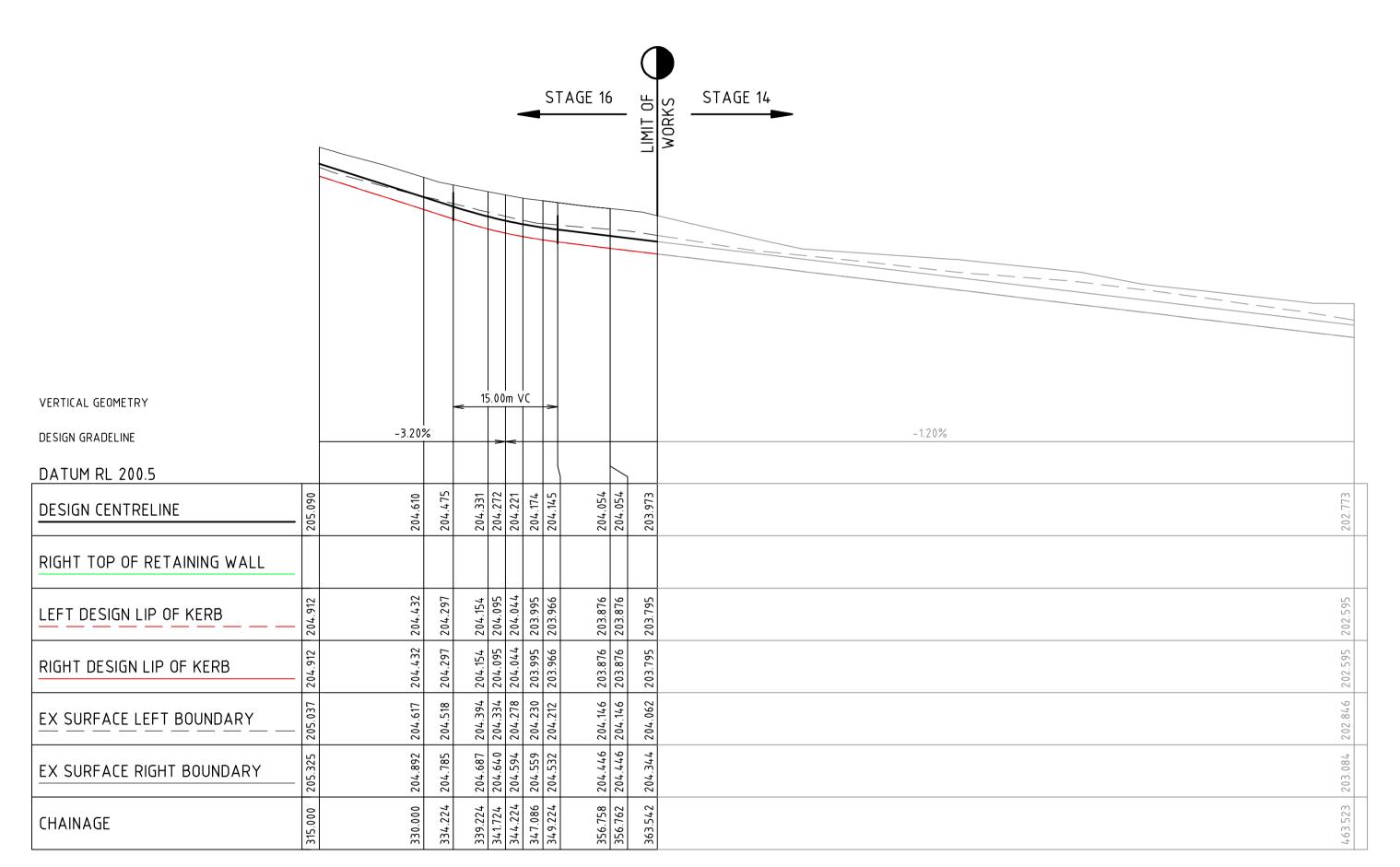


Designed Checked
H.HOGGARD J.POYNER
Authorised Date
J.POYNER APRIL 2024

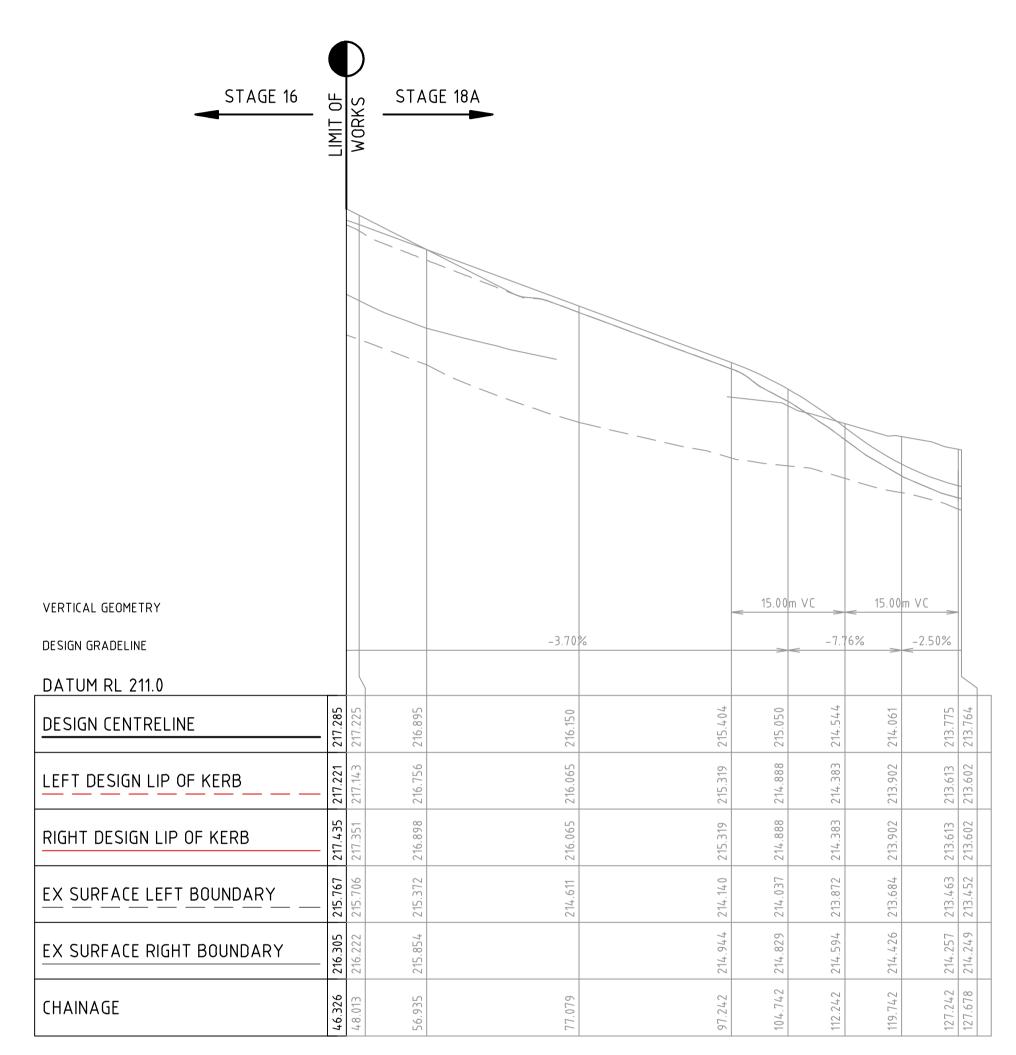
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REDSTONE ESTATE
STAGE 16
ROAD AND DRAINAGE
ROAD LONG SECTIONS - SHEET 6
HUME CITY COUNCIL
VILLAWOOD PROPERTIES

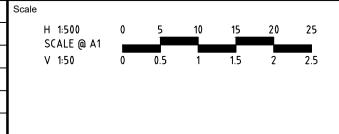


REDSTONE HILL ROAD



BASALT DRIVE

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tion	В	LIMIT OF WORKS CHANGED	M.T-S	20/12/23	
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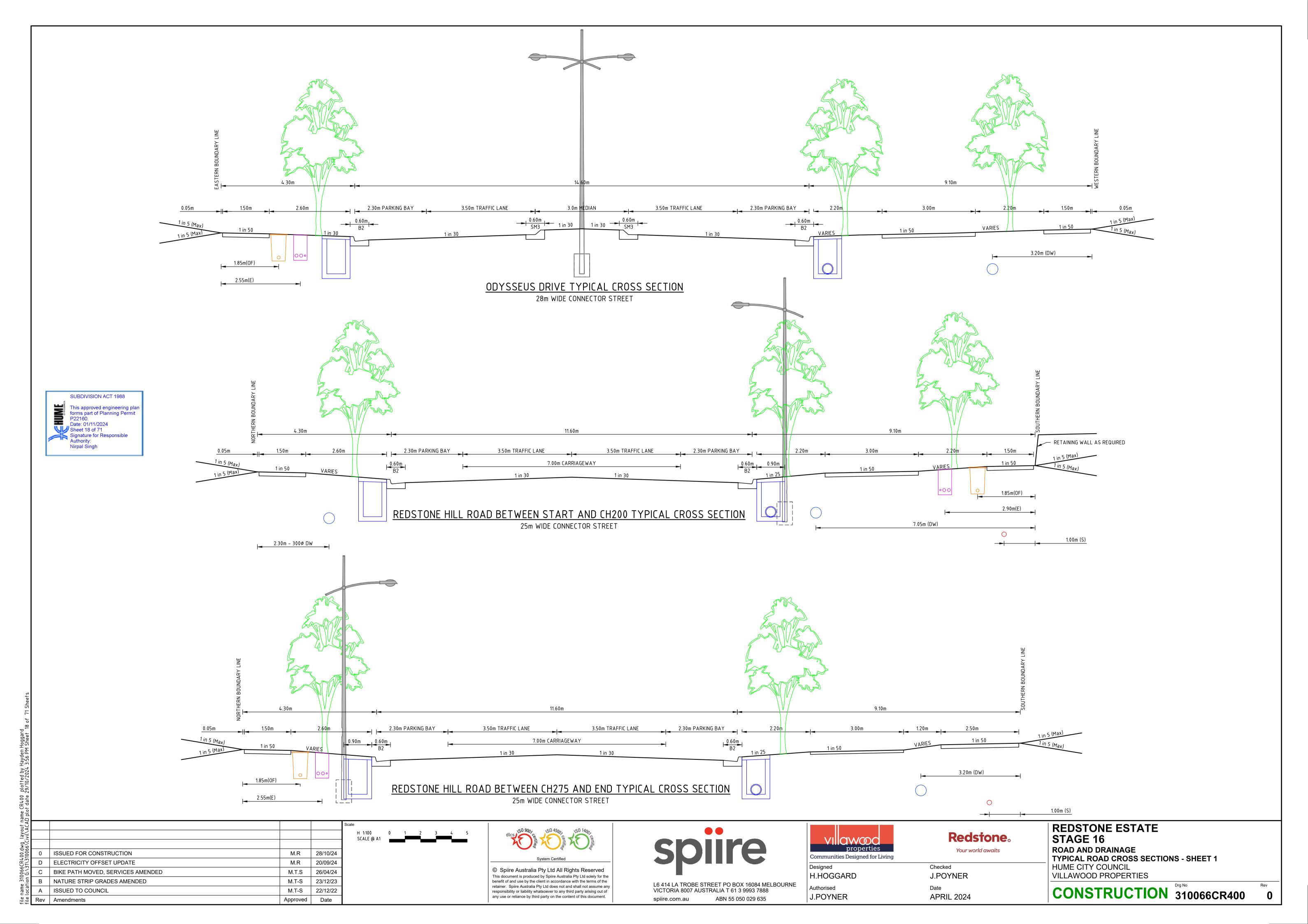
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VII	properties
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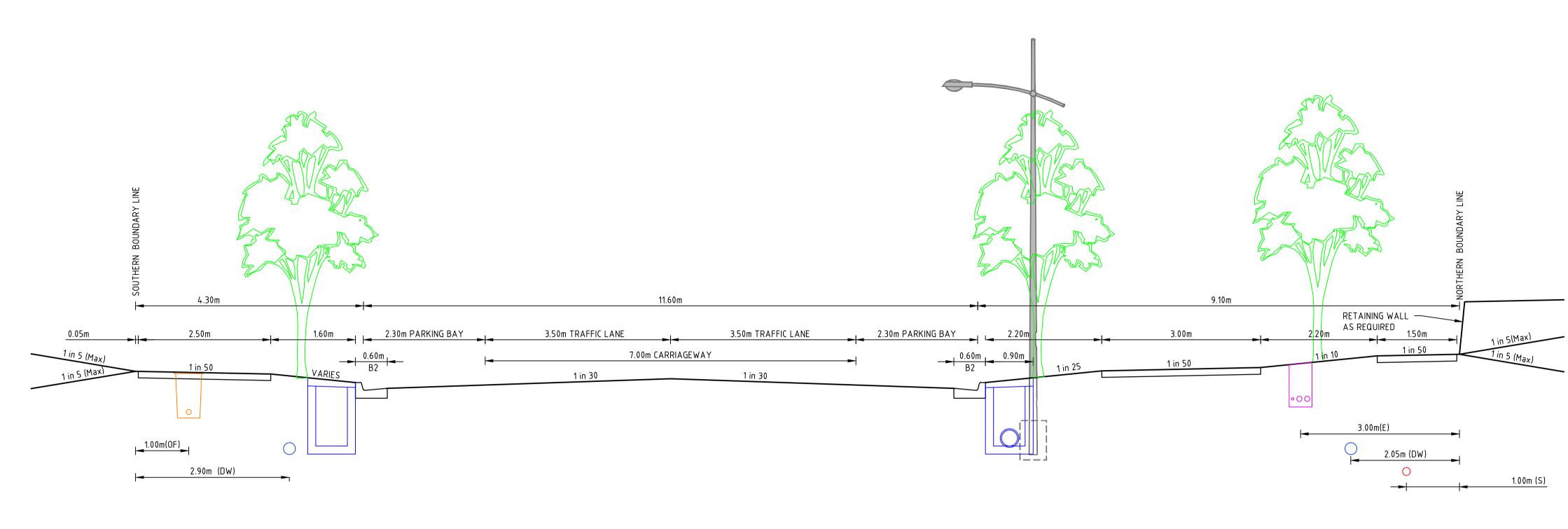
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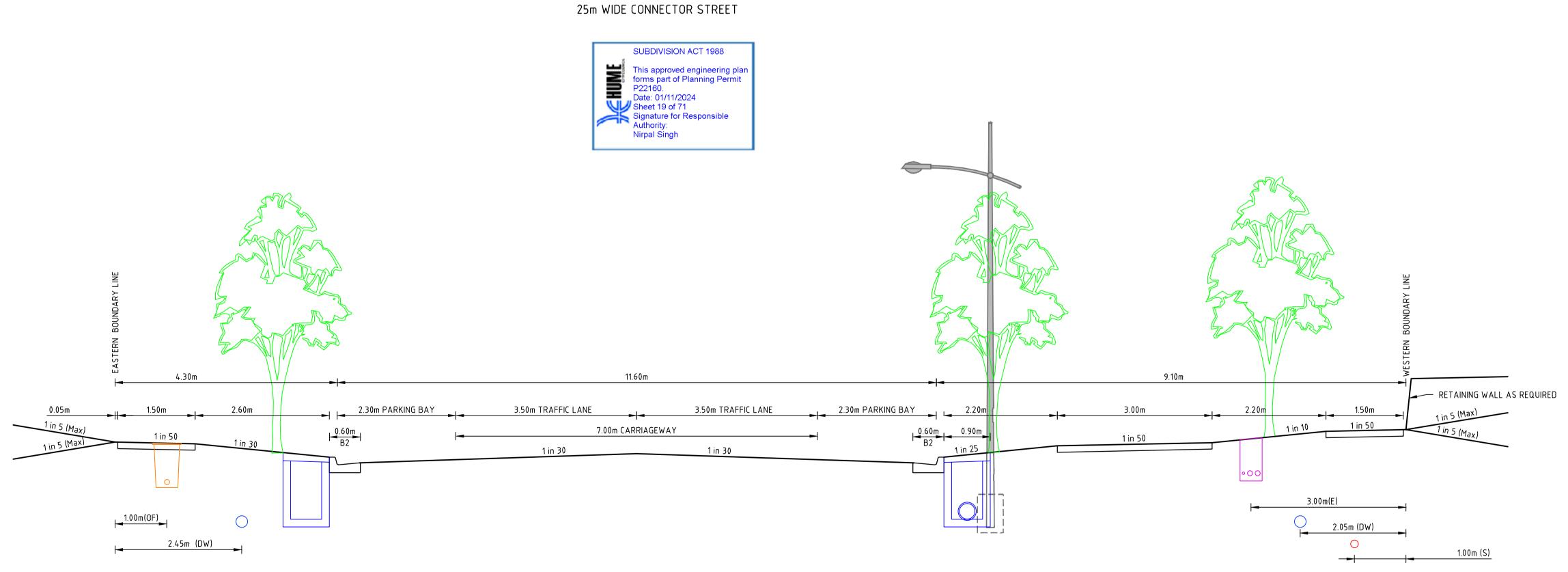
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REDSTONE ESTATE STAGE 16 ROAD AND DRAINAGE **ROAD LONG SECTIONS - SHEET 7** HUME CITY COUNCIL VILLAWOOD PROPERTIES





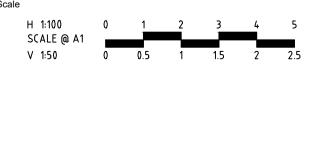
TOMAHAWK DRIVE BETWEEN CH150 AND CH360 TYPICAL CROSS SECTION



TOMAHAWK DRIVE BETWEEN CH390 AND END TYPICAL CROSS SECTION

25m WIDE CONNECTOR STREET

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name 310066CR400.dwg layout location G:\31\310066\Civil\AC	0	ISSUED FOR CONSTRUCTION	M.R	28/10/24	
CR4	D	ELECTRICITY OFFSET UPDATE	M.R	20/09/24	
) 	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	
nam. Ioca	Α	ISSUED TO COUNCIL	M.T-S	22/12/22	
:: <u>::</u>	Rev	Amendments	Approved	Date	





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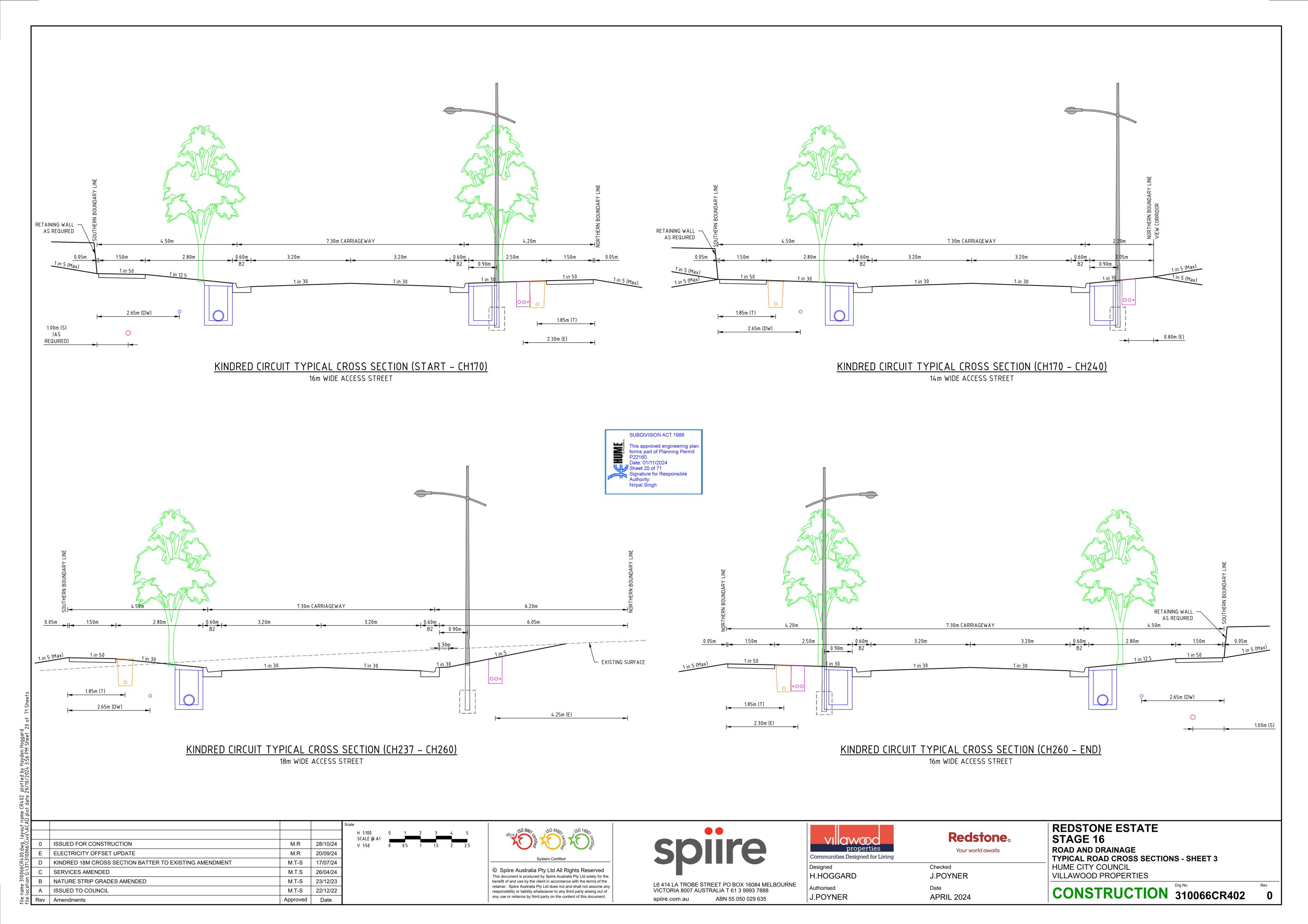
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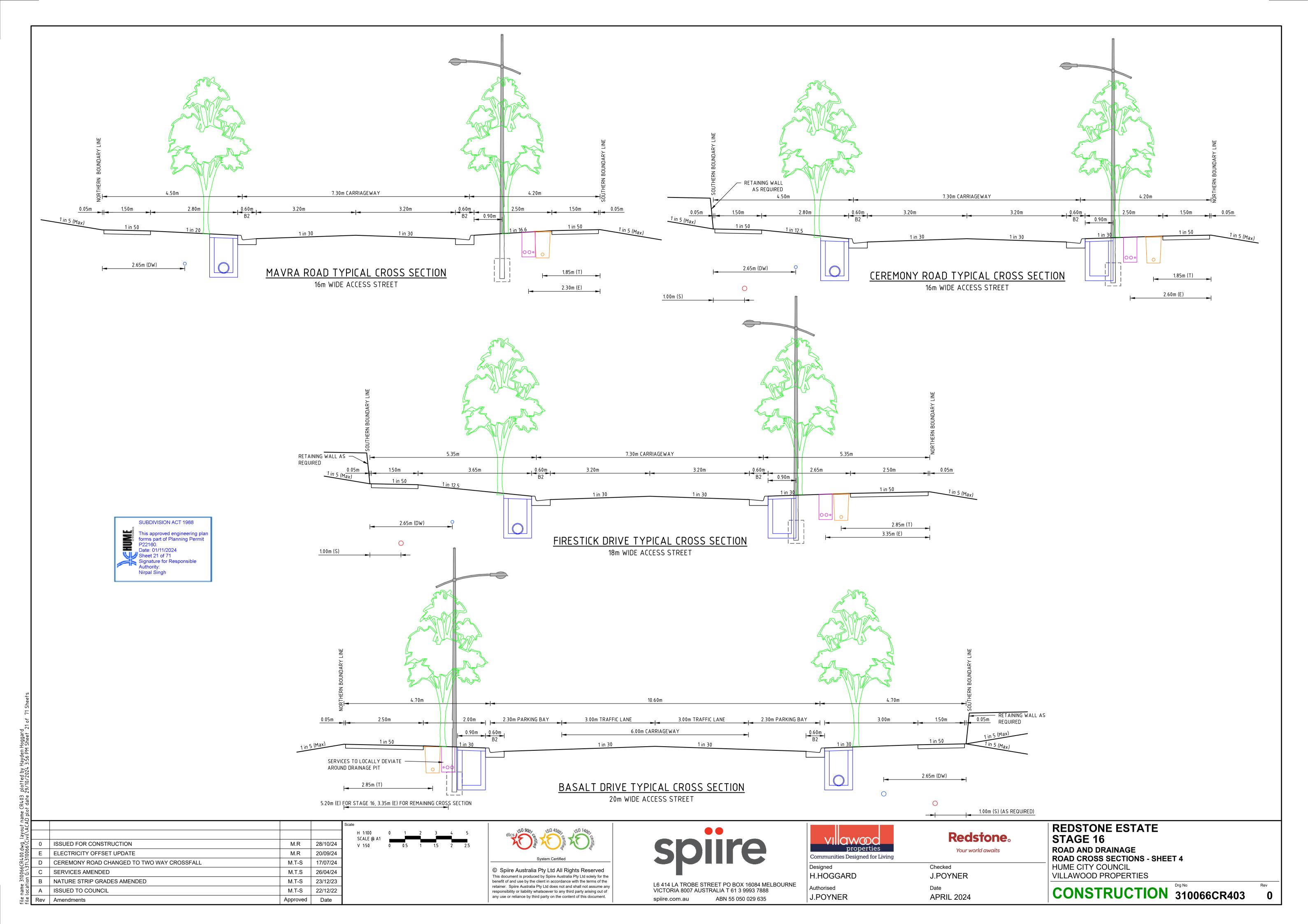
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REDSTONE ESTATE STAGE 16 ROAD AND DRAINAGE TYPICAL ROAD CROSS SECTIONS - SHEET 2
HUME CITY COUNCIL
VILLAWOOD PROPERTIES CONSTRUCTION 310066CR401

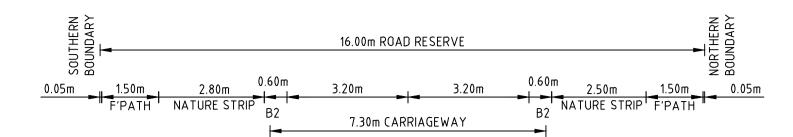




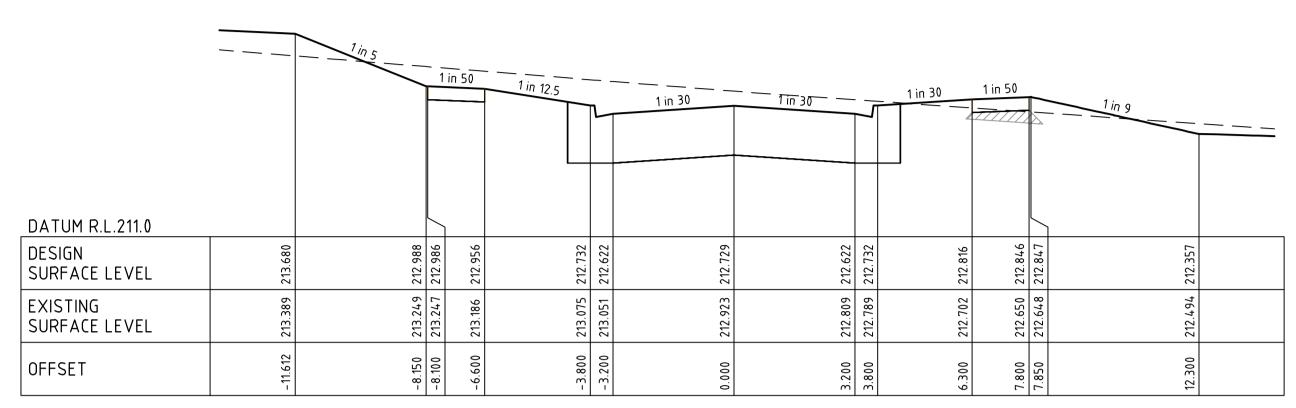
FILLING NOTE ALL FILLING WITHIN ROAD RESERVES IS TO BE UNDERTAKEN USING LEVEL 1 SUPERVISION AND BE COMPLETED IN ACCORDANCE WITH AS 3798-2007 AND TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND REPLACED WITH TOPSOIL (WHERE REQUIRED) TO OBTAIN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

UNDERNEATH FOOTPATH TO BE CLASS 3 CRUSHED ROCK IN

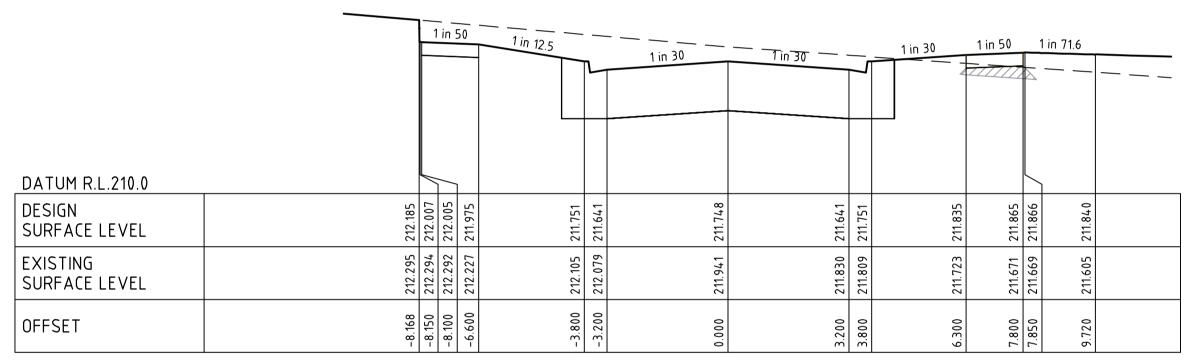
ACCORDANCE WITH COUNCIL STANDARDS.



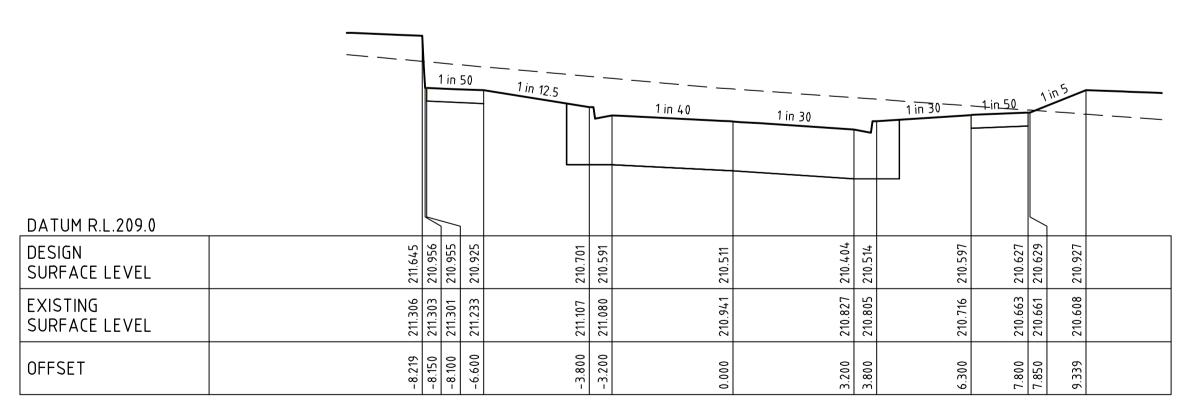
CH 74.90



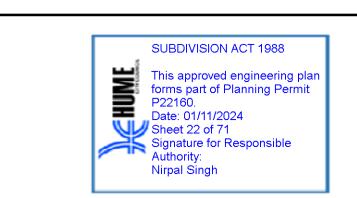
KINDRED CIRCUIT

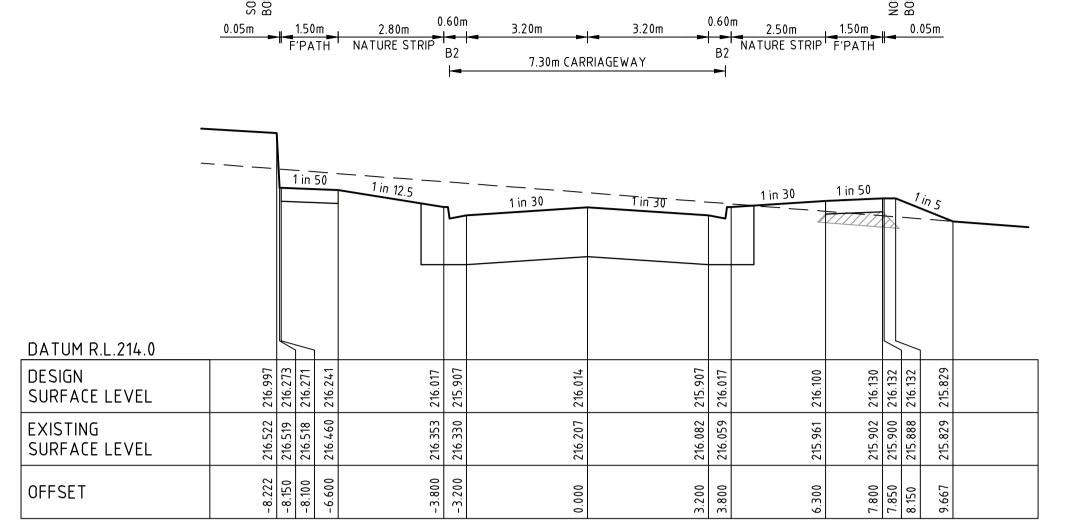


KINDRED CIRCUIT CH 46.90



CH 18.20 KINDRED CIRCUIT

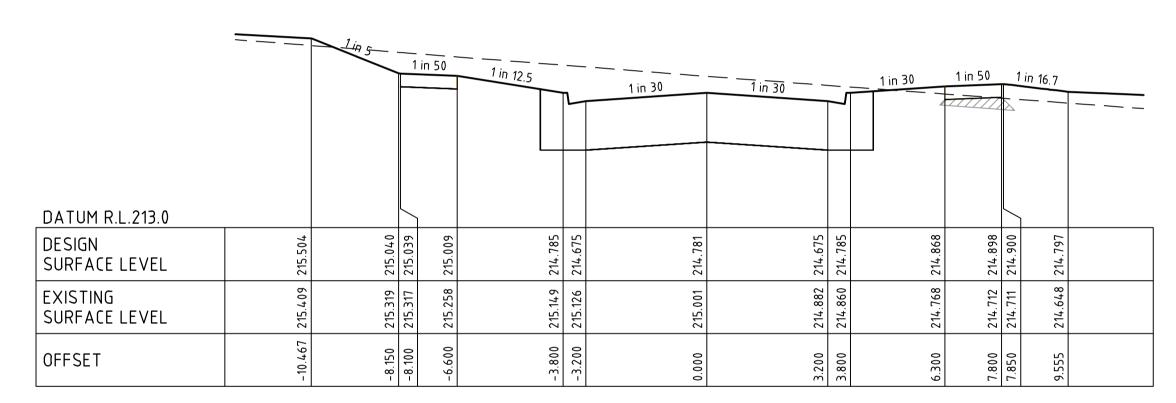




16.00m ROAD RESERVE

KINDRED CIRCUIT

CH 160.00

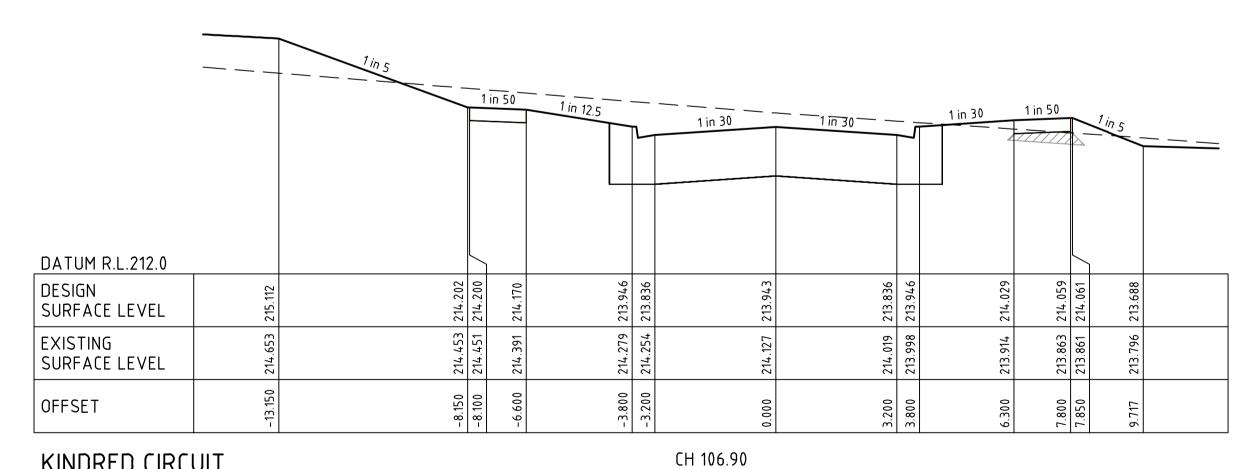


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CH 128.40

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KINDRED CIRCUIT

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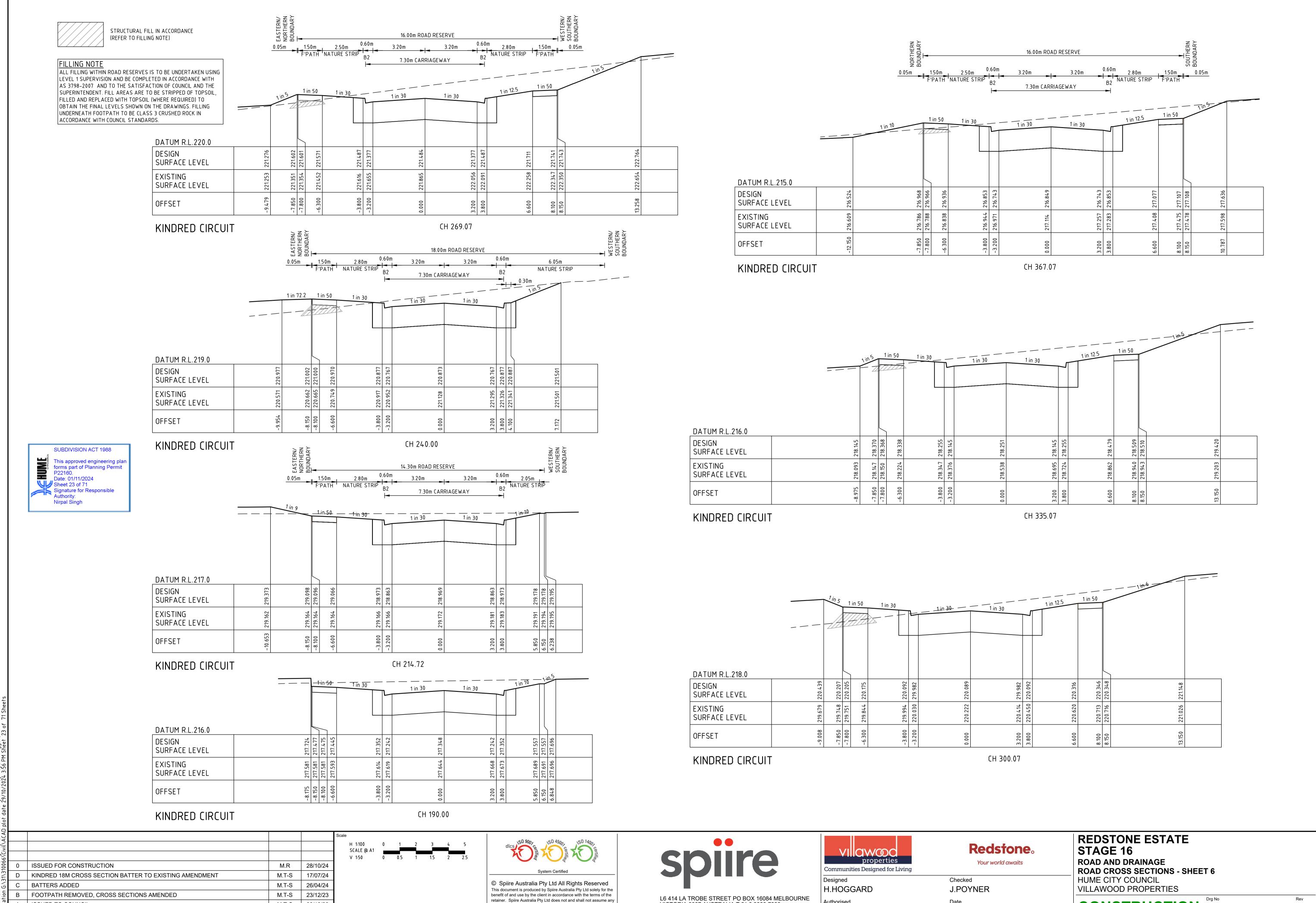
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VII	properties
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REDSTONE ESTATE STAGE 16 **ROAD AND DRAINAGE ROAD CROSS SECTIONS - SHEET 5** HUME CITY COUNCIL VILLAWOOD PROPERTIES



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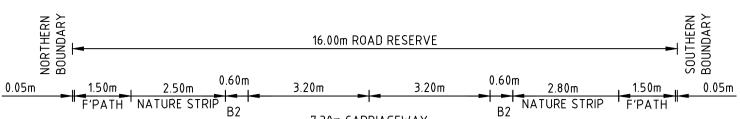
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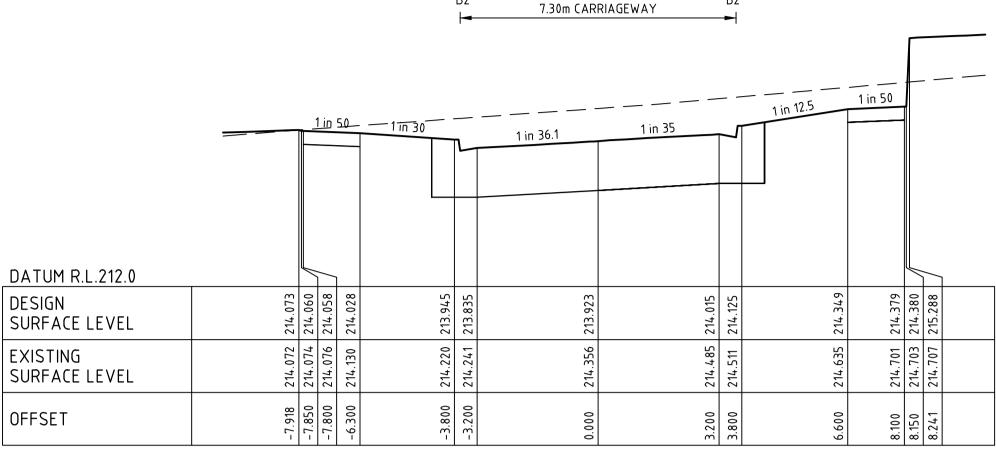
CONSTRUCTION 310066CR405

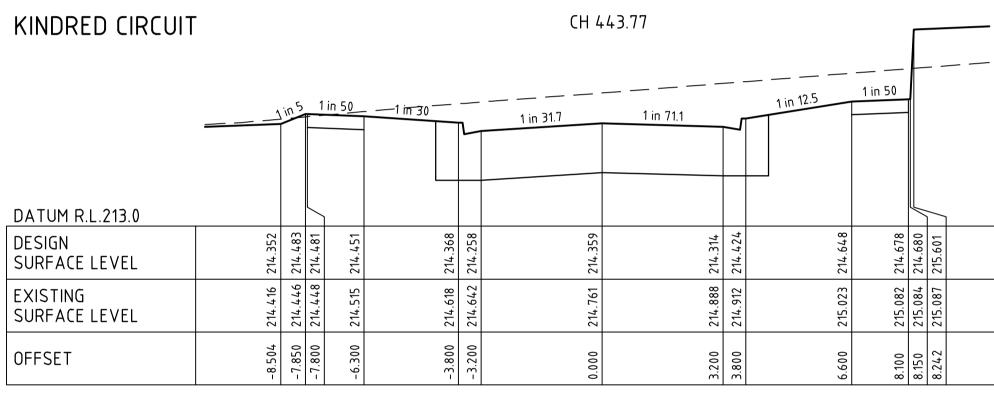
APRIL 2024

FILLING NOTE

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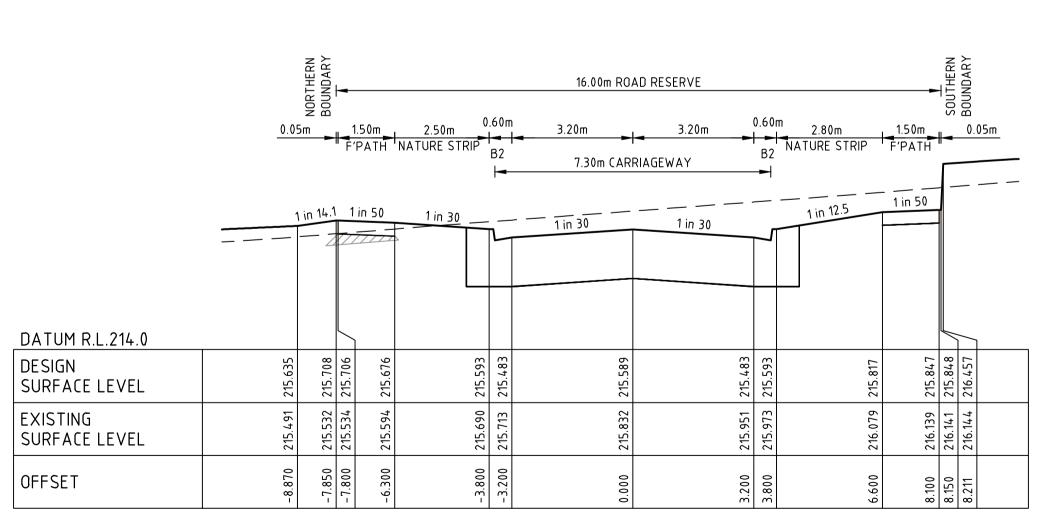






KINDRED CIRCUIT

CH 430.00

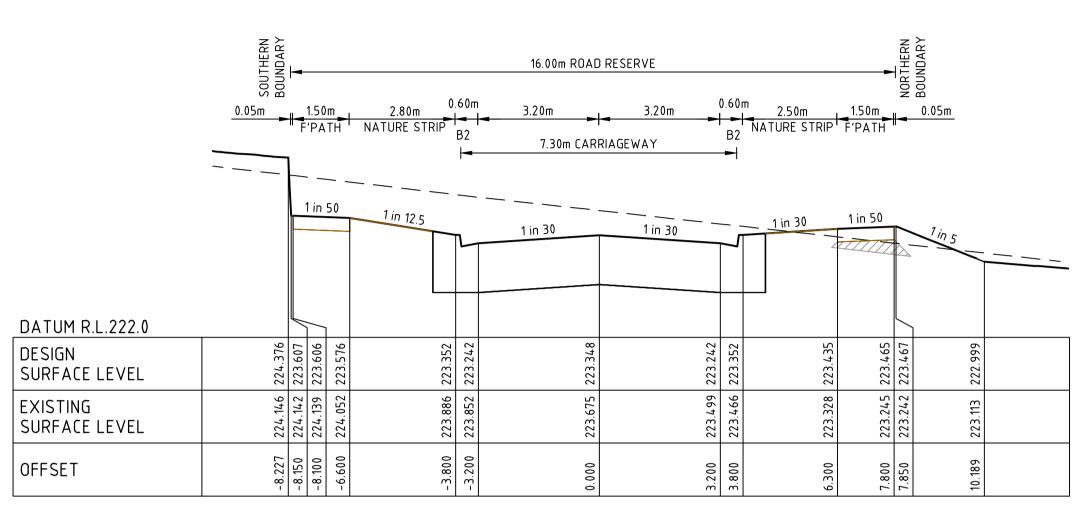


KINDRED CIRCUIT

CH 397.07

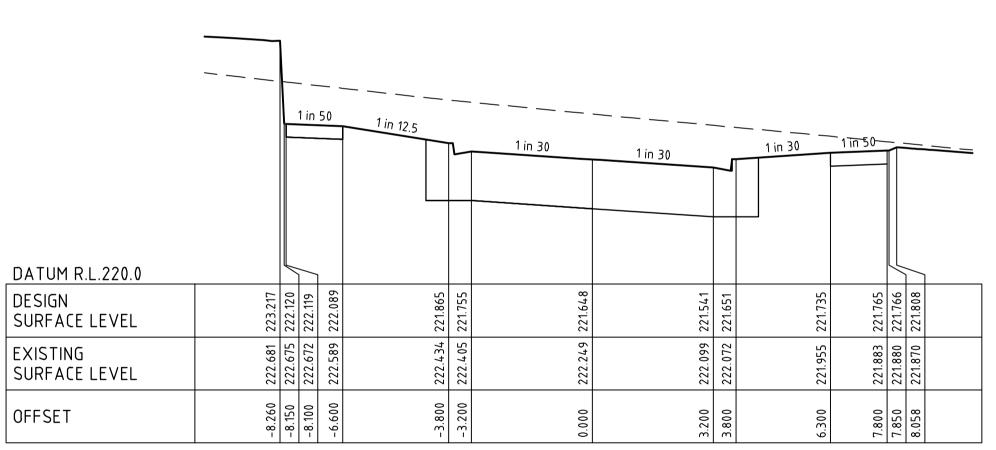


SUBDIVISION ACT 1988



CEREMONY ROAD

CH 48.90



CEREMONY ROAD

CH 18.20

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5	С	SECTIONS AMENDED, BATTERS ADDED	M.T-S	26/04/24
ocation	В	CROSS SECTIONS AMENDED	M.T-S	23/12/23
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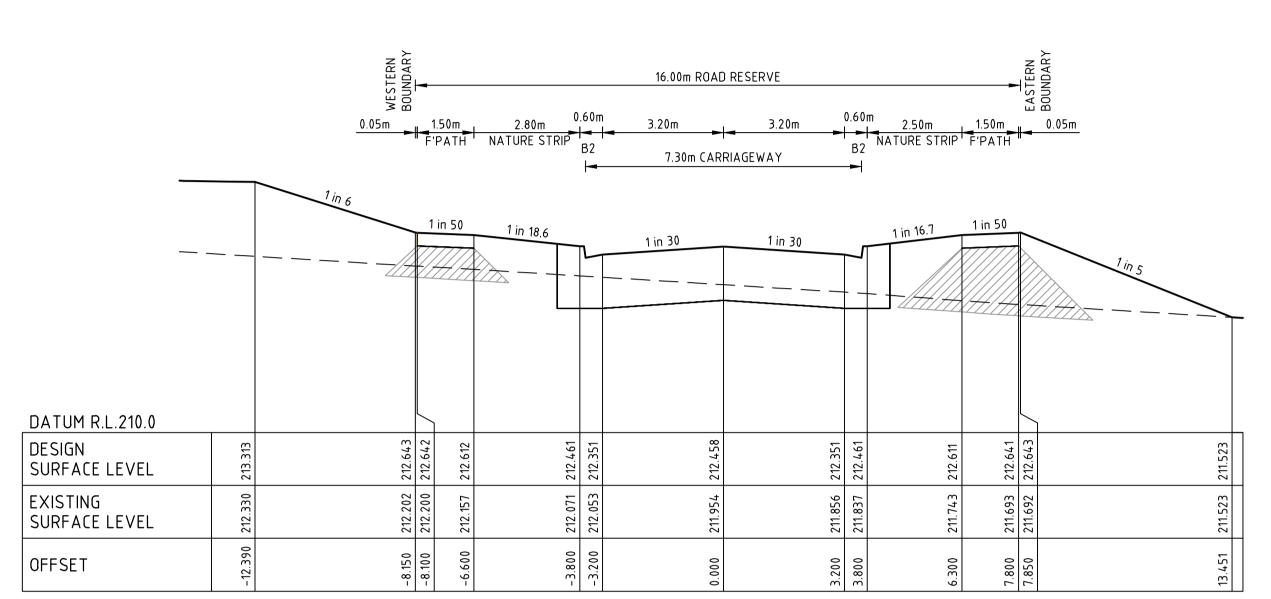
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APRIL 2024

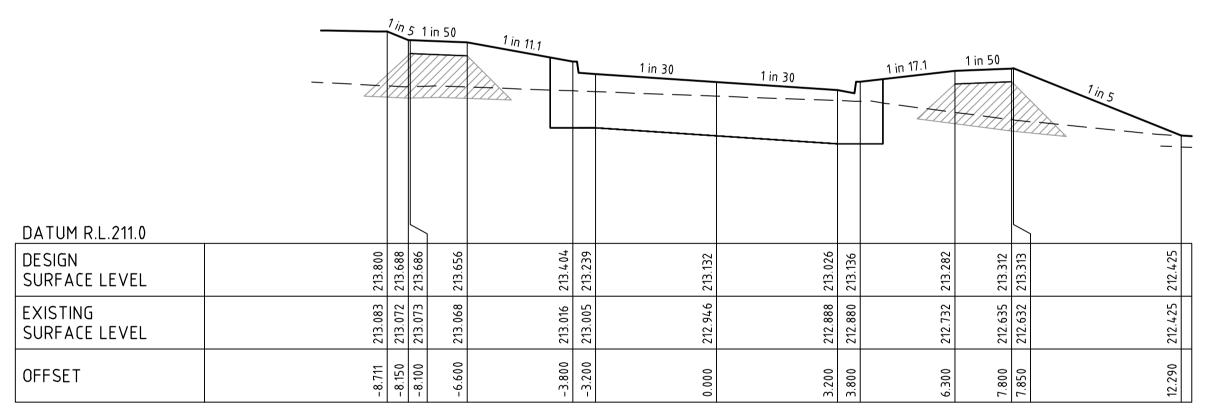
REDSTONE ESTATE STAGE 16 **ROAD AND DRAINAGE ROAD CROSS SECTIONS - SHEET 7 HUME CITY COUNCIL** VILLAWOOD PROPERTIES

FILLING NOTE

 \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

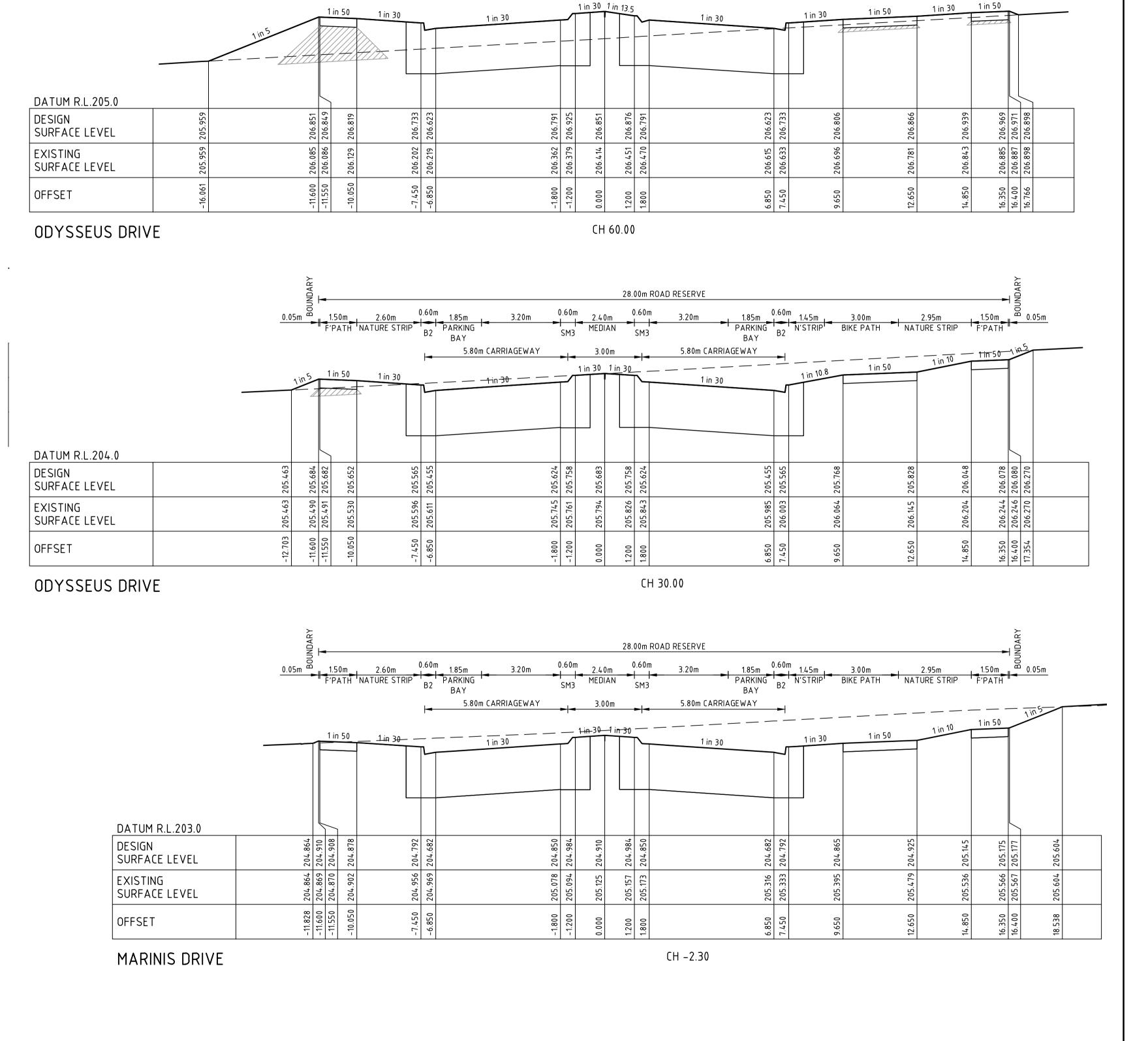


CH 37.60 MARVA ROAD



MARVA ROAD CH 13.10





28.00m ROAD RESERVE

3.00m

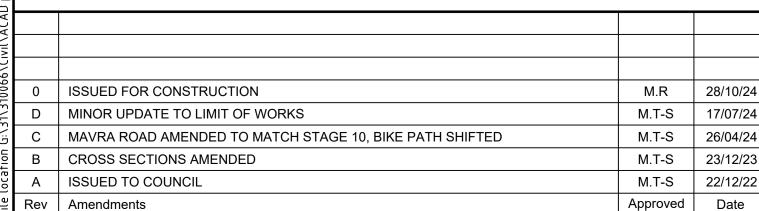
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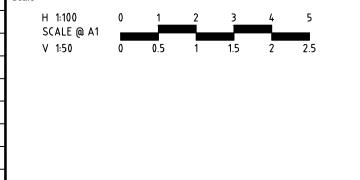
5.80m CARRIAGEWAY

1.50m 2.60m 1.85m PARKING

5.80m CARRIAGEWAY

1.85m 0.60m 1.45m 3.00m 2.95m 1.50m 0.05m PARKING B2 N'STRIP BIKE PATH NATURE STRIP F'PATH







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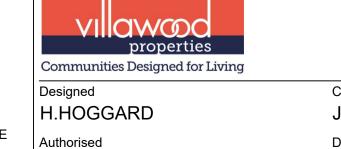
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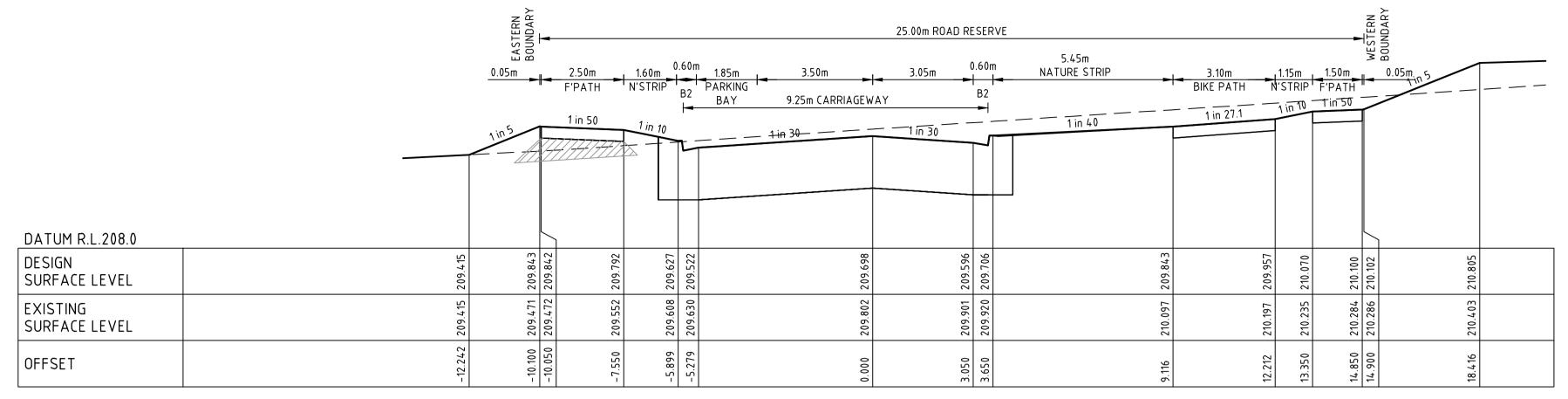
Redstone. Your world awaits Checked J.POYNER

APRIL 2024

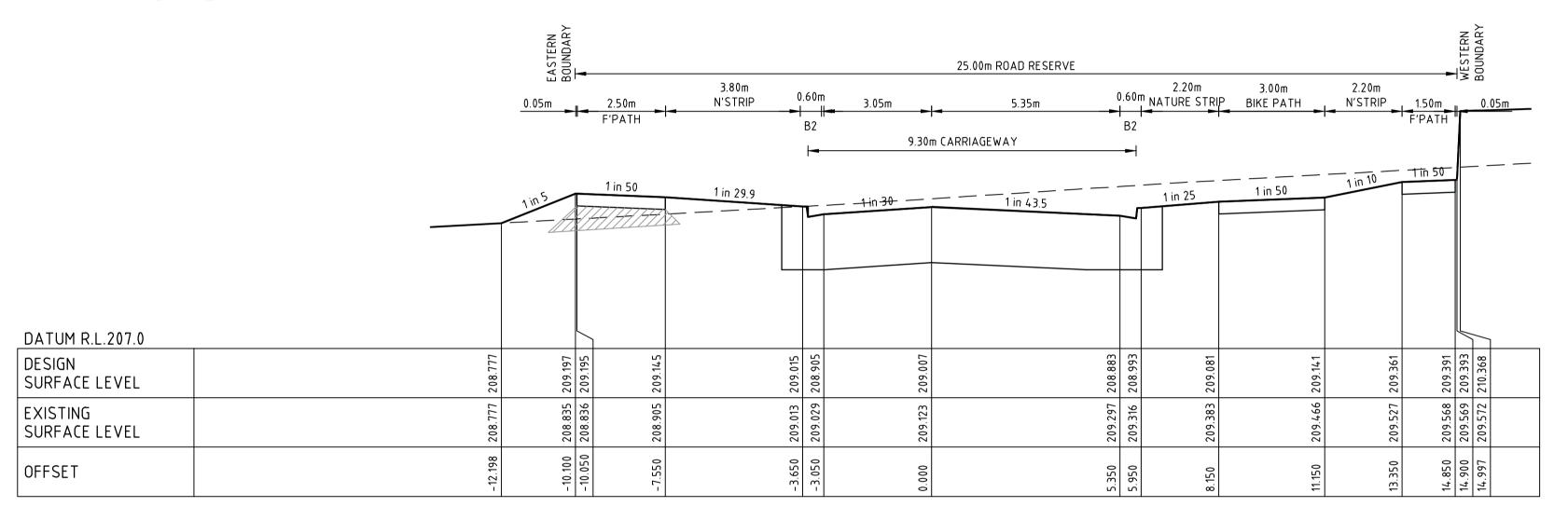
REDSTONE ESTATE STAGE 16 **ROAD AND DRAINAGE ROAD CROSS SECTIONS - SHEET 8 HUME CITY COUNCIL** VILLAWOOD PROPERTIES

FILLING NOTE

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TOMAHAWK DRIVE CH 199.03

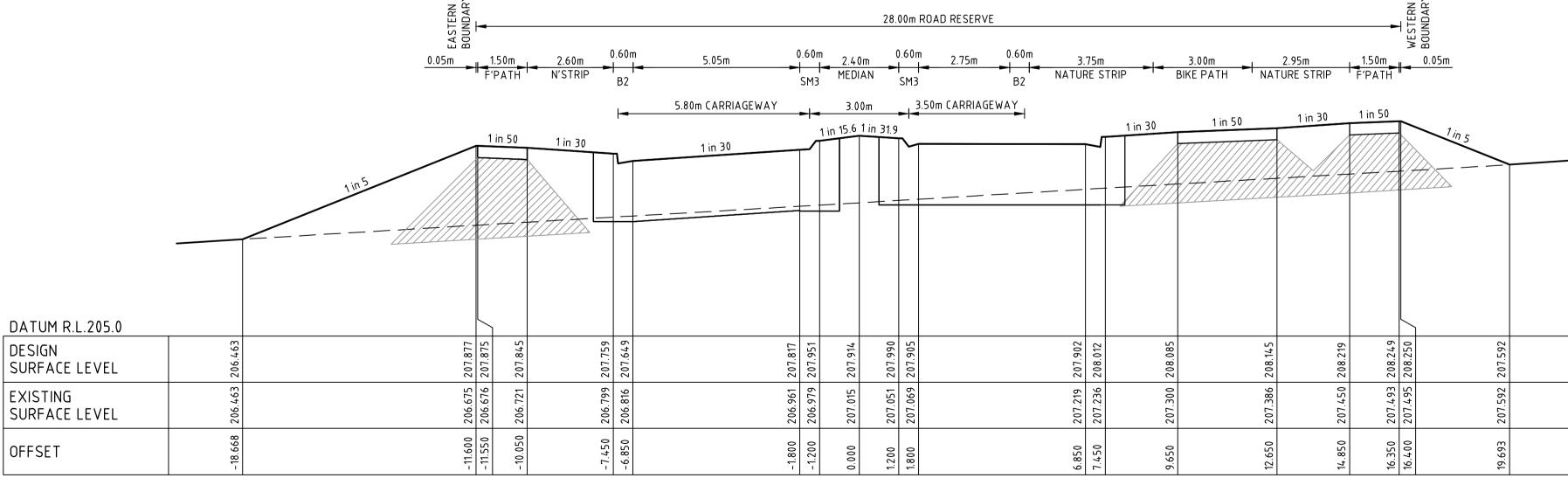


SUBDIVISION ACT 1988

This approved engineering plan forms part of Planning Permit P22160.
Date: 01/11/2024
Sheet 26 of 71
Signature for Responsible Authority:
Nirpal Singh

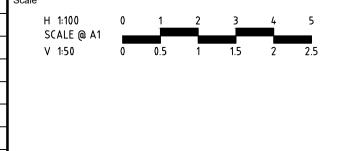
TOMAHAWK DRIVE

CH 177.50



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location	Α	ISSUED TO COUNCIL	M.T-S	22/12/22	1
e]	Rev	Amendments	Approved	Date	1





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VII	properties
Communit	ties Designed for Living
Designed	

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

Redstone。

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

SUBDIVISION ACT 1988 FILLING NOTE This approved engineering plan forms part of Planning Permit 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 Date: 01/11/2024
Sheet 27 of 71
Signature for Responsible
Authority: 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 Nirpal Singh 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

0.05m

F'PATH F'PATH 9.30m CARRIAGEWAY 9.20m CARRIAGEWAY 1 in 41.6 1 in 19.5 1 in 50 1 in 40 1 in 30 1 in 30 1 in 100 1 in 25 1 in 30 DATUM R.L.211.0 **DATUM R.L.217.0**
 219.266
 219.157

 219.278
 219.220

 219.280
 219.218
 DESIGN SURFACE LEVEL SURFACE LEVEL 220.217 220.219 220.223 220.223 213.067 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−− −− +in 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

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C BIKE PATH SHIFTED

B CROSS SECTIONS AMENDED

A ISSUED TO COUNCIL

Rev Amendments

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28/10/24

26/04/24

23/12/23

22/12/22

Date

M.T-S

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Approved



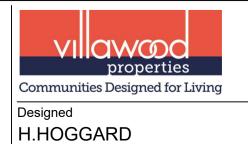
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Authorised

J.POYNER

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Checked
J.POYNER

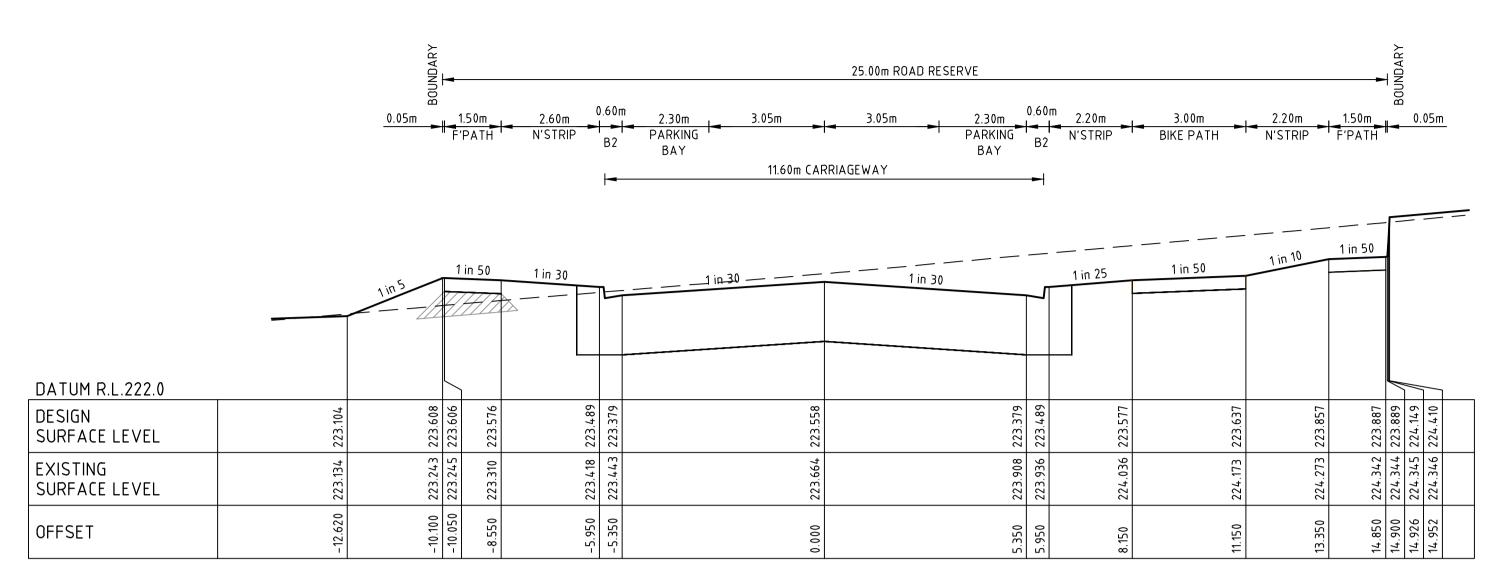
APRIL 2024

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

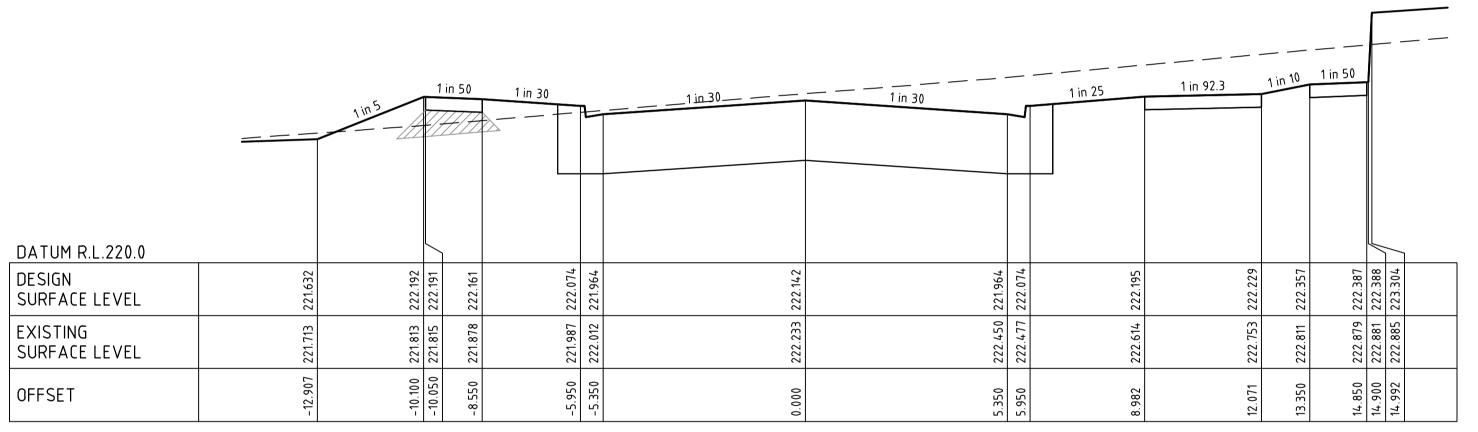
STRUCTURAL FILL IN ACCORDANCE (REFER TO FILLING NOTE)

FILLING NOTE

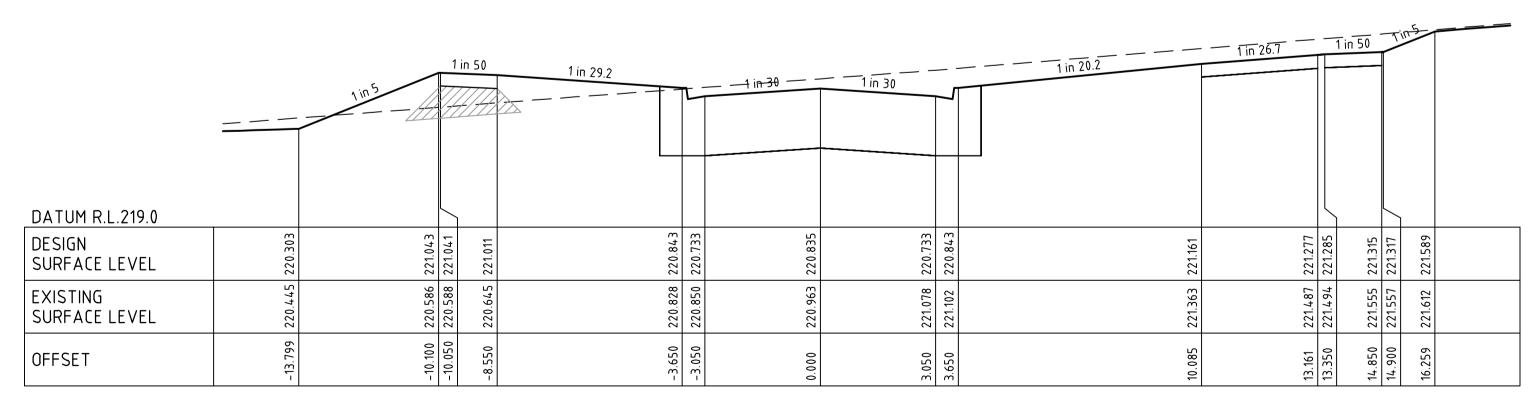
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TOMAHAWK DRIVE CH 506.47

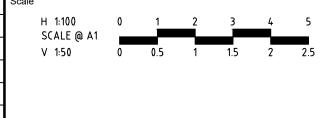


CH 478.07 TOMAHAWK DRIVE



CH 450.52 TOMAHAWK DRIVE

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ABN 55 050 029 635

Communities Designed for Living	VI	CWOC properties
3	Communit	ies Designed for Living

J.POYNER

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

Redstone.

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APRIL 2024

REDSTONE ESTATE STAGE 16
ROAD AND DRAINAGE ROAD CROSS SECTIONS - SHEET 11
ROAD CROSS SECTIONS - SHEET TI
HUME CITY COUNCIL
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VILLAWOOD PROPERTIES CONSTRUCTION 310066CR410

SUBDIVISION ACT 1988

This approved engineering planforms part of Planning Permit

This approved engineering forms part of Planning Pern P22160.
Date: 01/11/2024
Sheet 28 of 71
Signature for Responsible

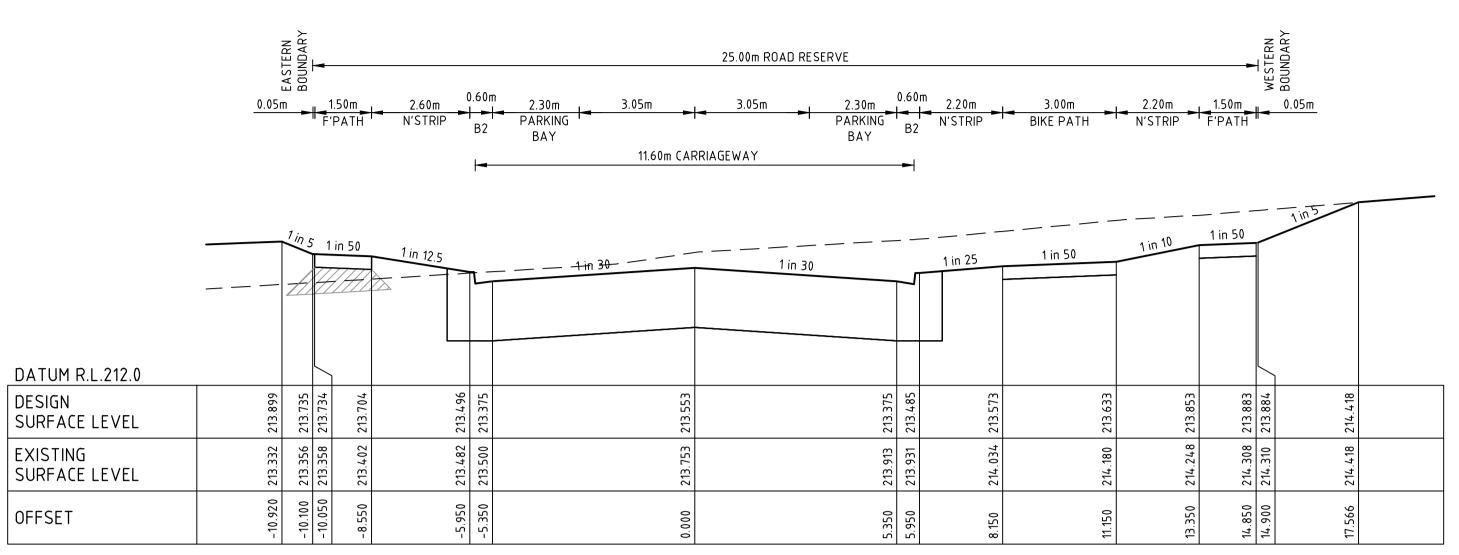
Nirpal Singh



STRUCTURAL FILL IN ACCORDANCE (REFER TO FILLING NOTE)

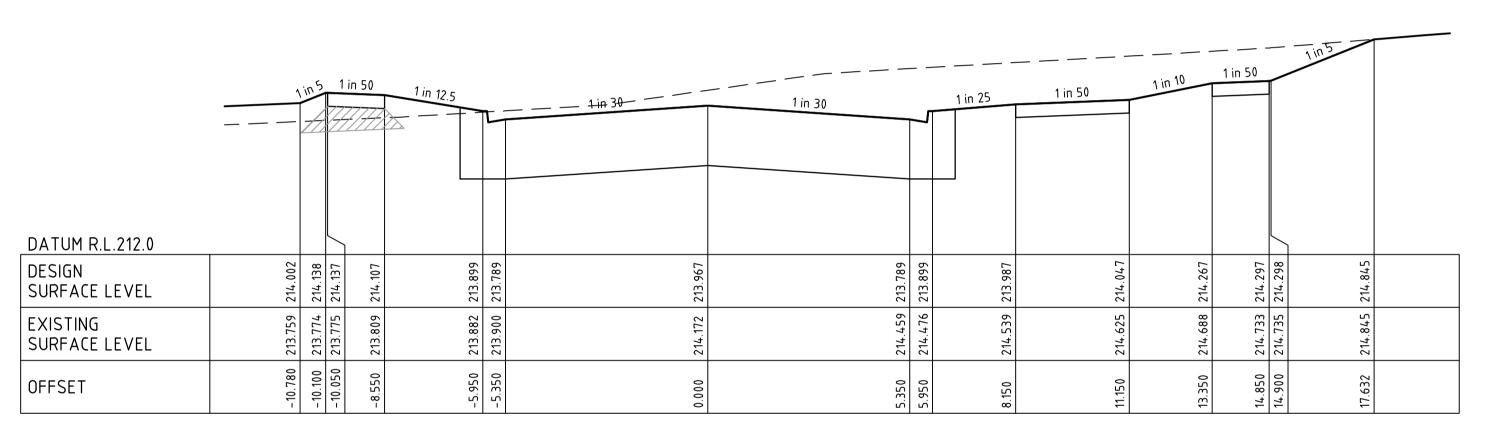
FILLING NOTE

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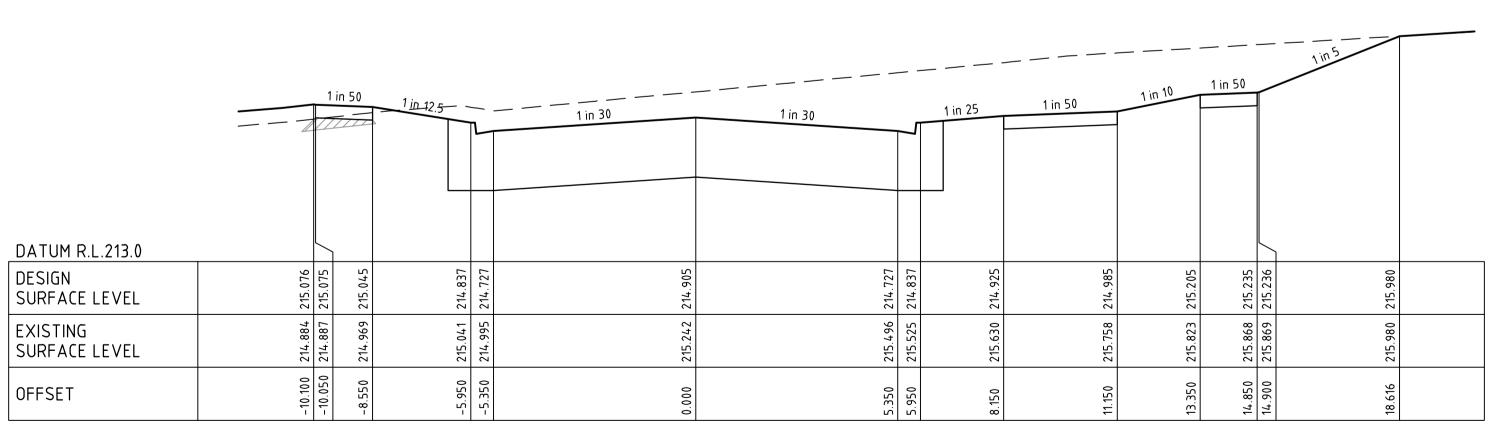
REDSTONE HILL ROAD

CH 43.24



REDSTONE HILL ROAD

CH 30.00

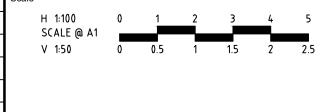


REDSTONE HILL ROAD

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VI	CWOC properties
Communit	ies Designed for Living

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

F	Redstone
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REDSTONE ESTATE STAGE 16 ROAD AND DRAINAGE ROAD CROSS SECTIONS - SHEET 12
HUME CITY COUNCIL VILLAWOOD PROPERTIES

SUBDIVISION ACT 1988

This approved engineering plar forms part of Planning Permit P22160.
Date: 01/11/2024
Sheet 29 of 71

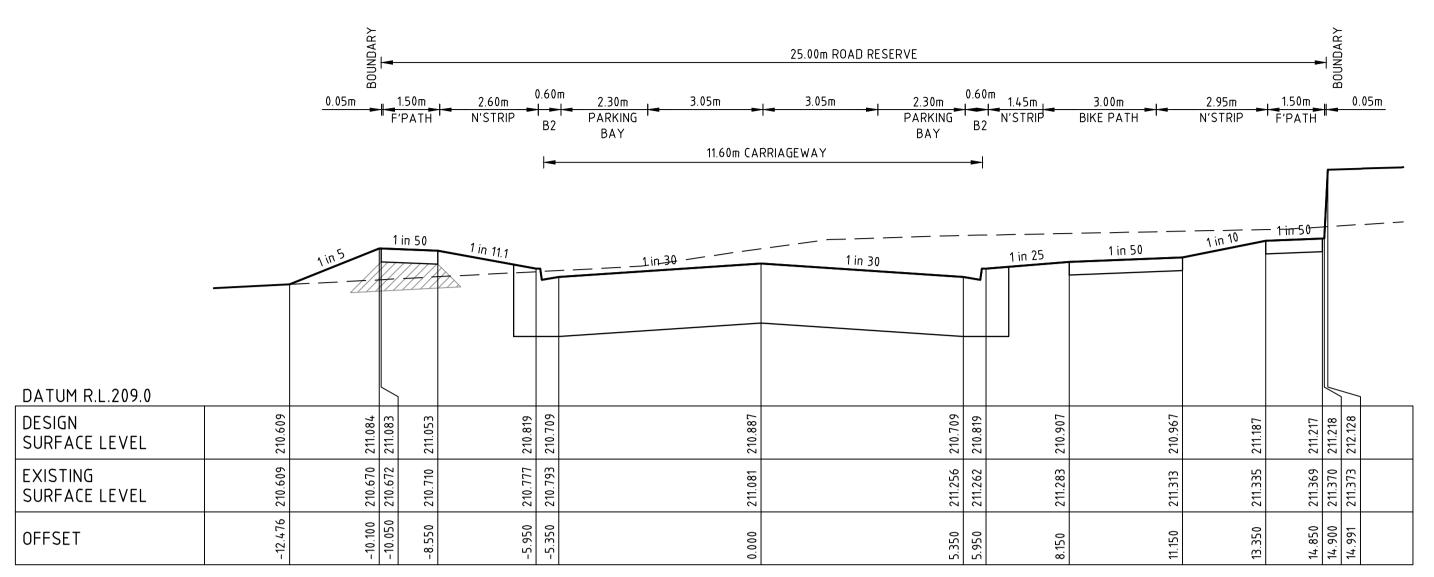
Signature for Responsible Authority:

Nirpal Singh

STRUCTURAL FILL IN ACCORDANCE (REFER TO FILLING NOTE)

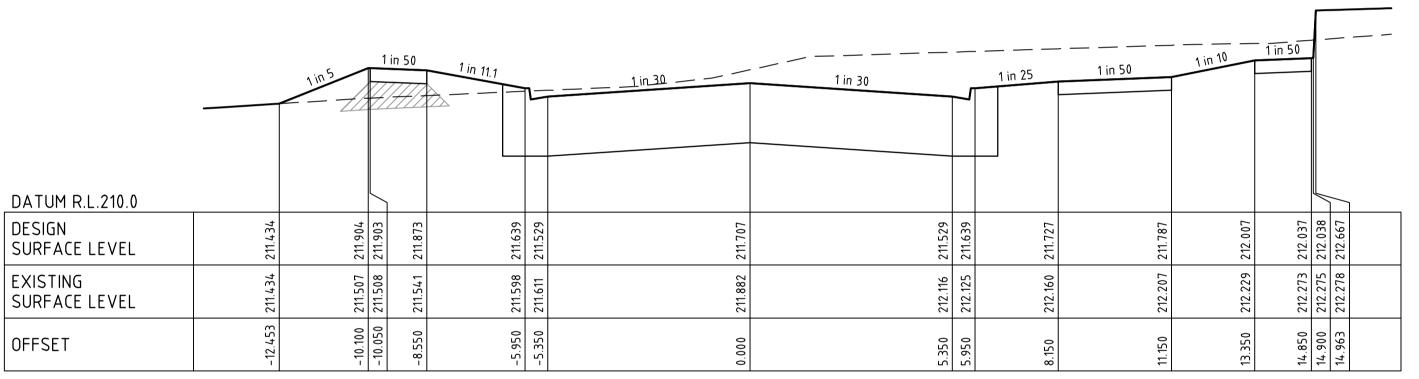
FILLING NOTE

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REDSTONE HILL ROAD

CH 133.84

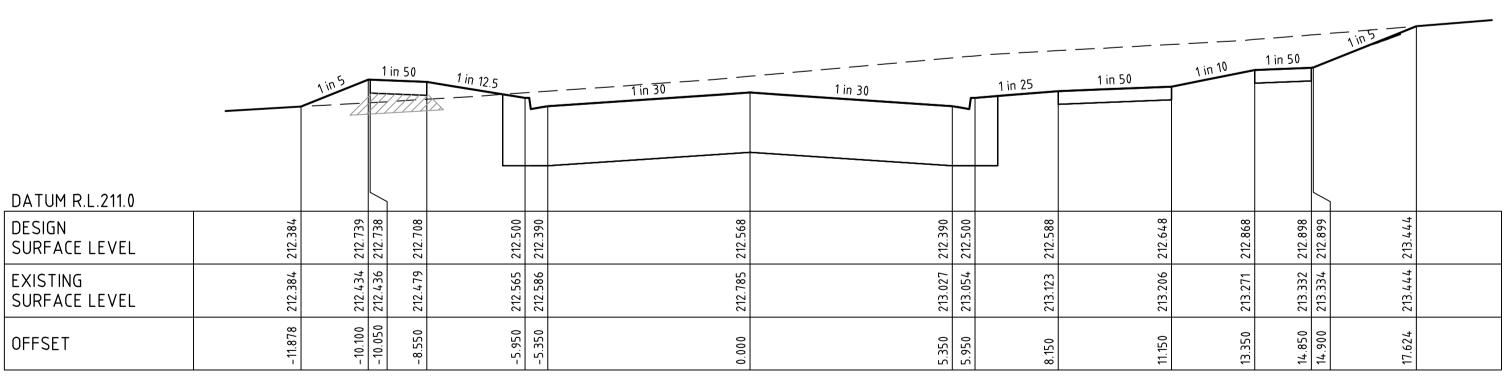


This approved engineering plan forms part of Planning Permit P22160.
Date: 01/11/2024
Sheet 30 of 71
Signature for Responsible Authority:
Nirpal Singh

SUBDIVISION ACT 1988

REDSTONE HILL ROAD

CH 106.92



REDSTONE HILL ROAD

CH 74.76

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ABN 55 050 029 635

VI	CWOC properties
Communit	ies Designed for Living

Designed Checked
H.HOGGARD J.POYNER

Authorised Date
J.POYNER APRIL 2024

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

SUBDIVISION ACT 1988

P22160.
Date: 01/11/2024
Sheet 31 of 71
Signature for Responsible

orms part of Planning Permit

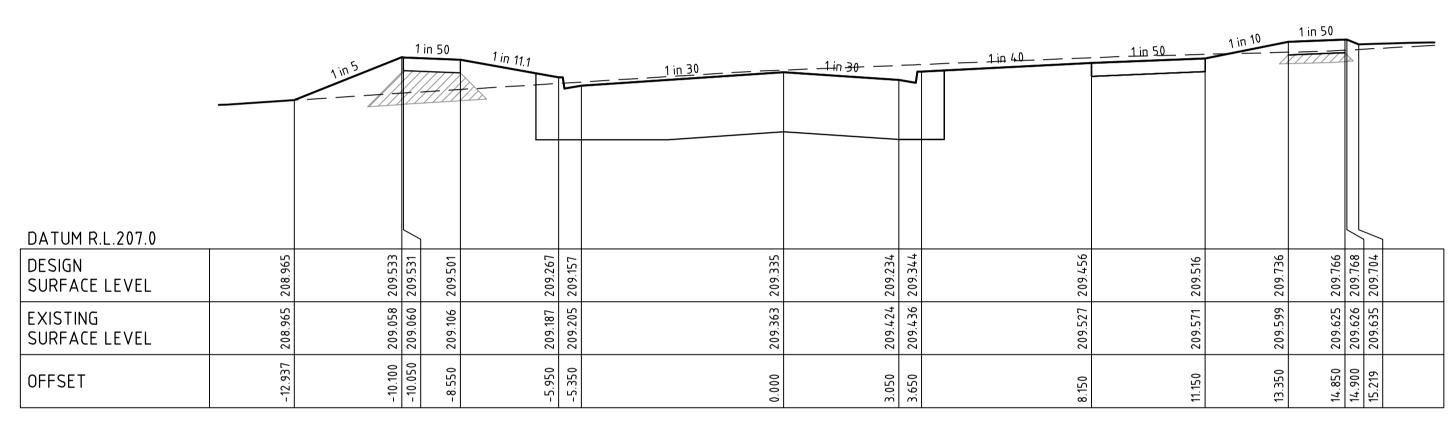
FILLING NOTE

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25.00m ROAD RESERVE 1 in 30 1 in 30 DATUM R.L.204.0 206.641 741 DESIGN SURFACE LEVEL EXISTING SURFACE LEVEL OFFSET

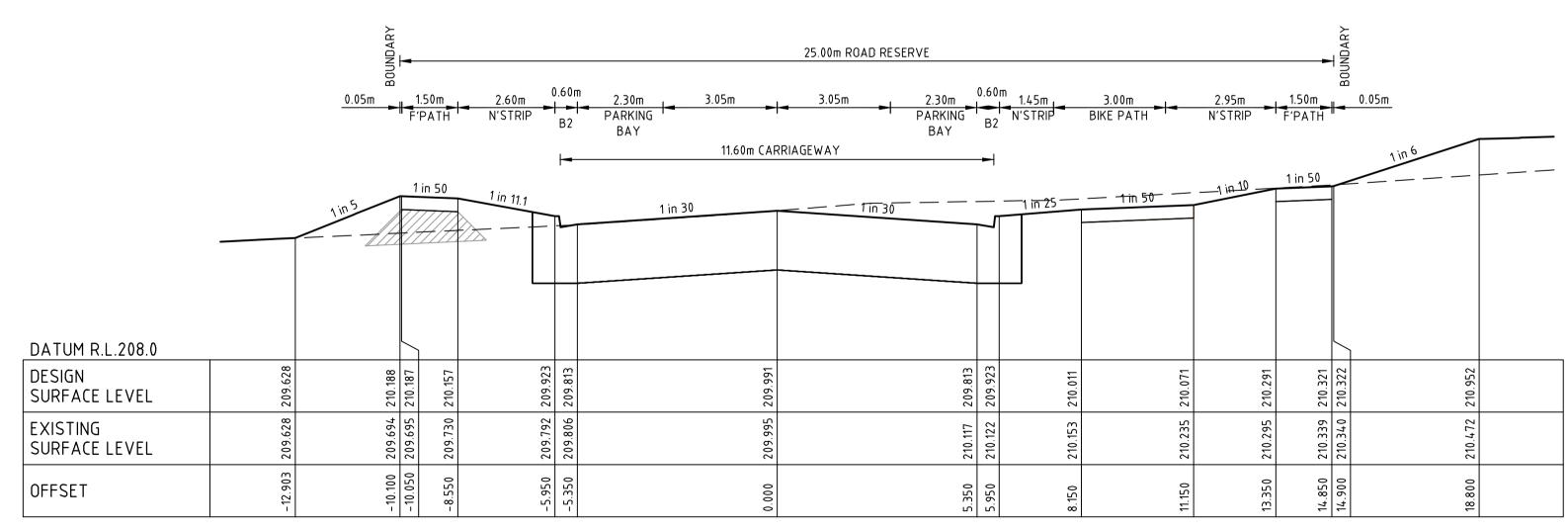
REDSTONE HILL ROAD

CH 274.44



REDSTONE HILL ROAD

CH 182.33



REDSTONE HILL ROAD

CH 161.84

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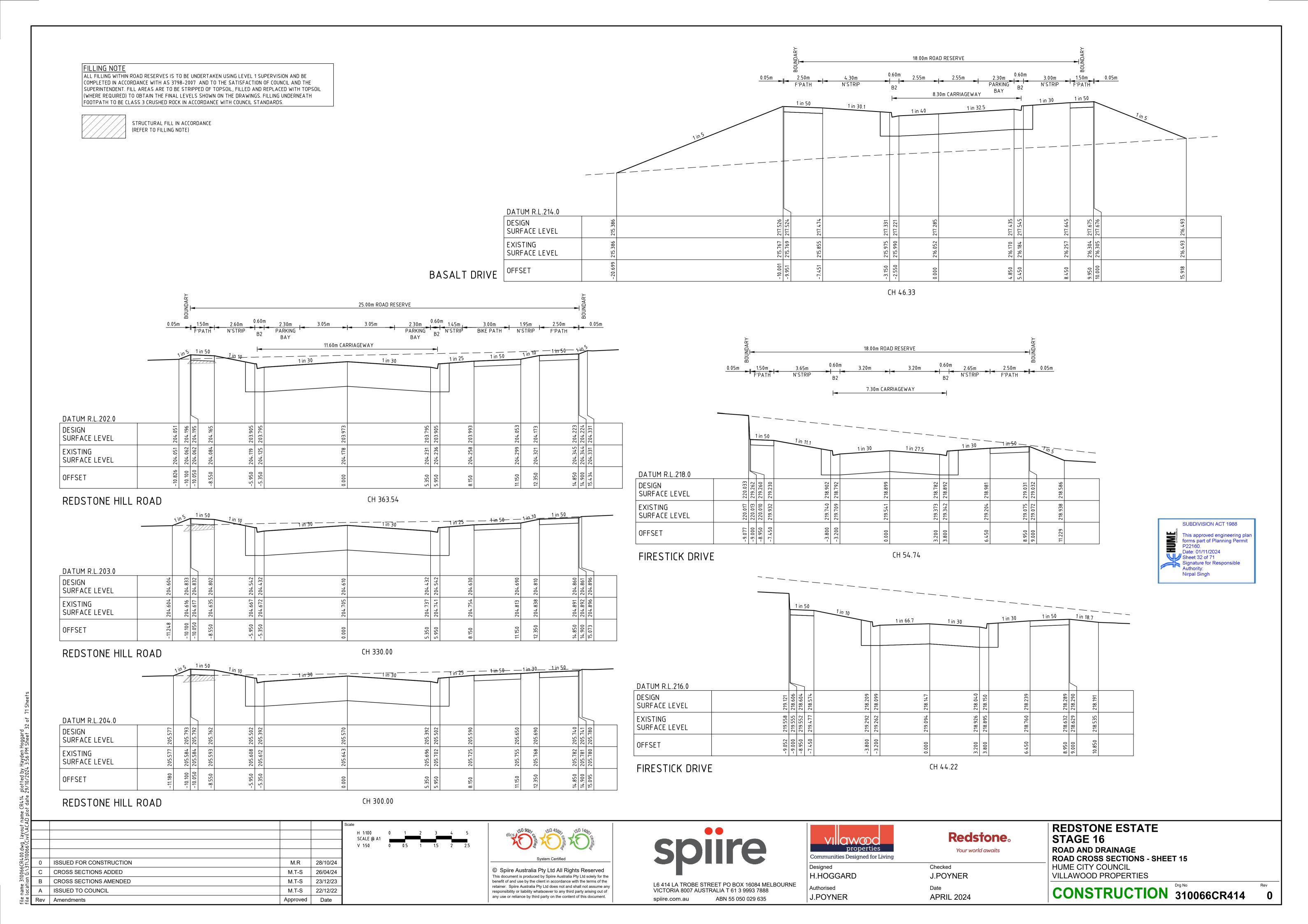
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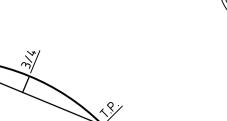


properties Your world awaits Communities Designed for Living Checked H.HOGGARD J.POYNER Authorised J.POYNER APRIL 2024

Redstone.

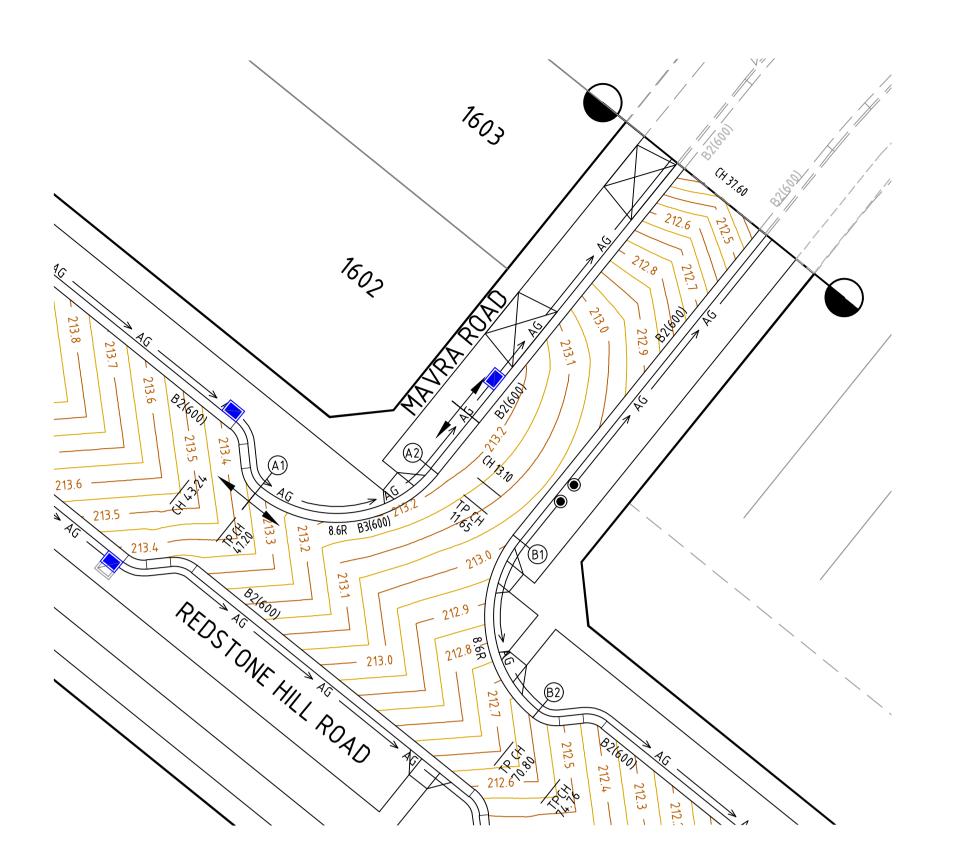
REDSTONE ESTATE STAGE 16 ROAD AND DRAINAGE **ROAD CROSS SECTIONS - SHEET 14** HUME CITY COUNCIL VILLAWOOD PROPERTIES





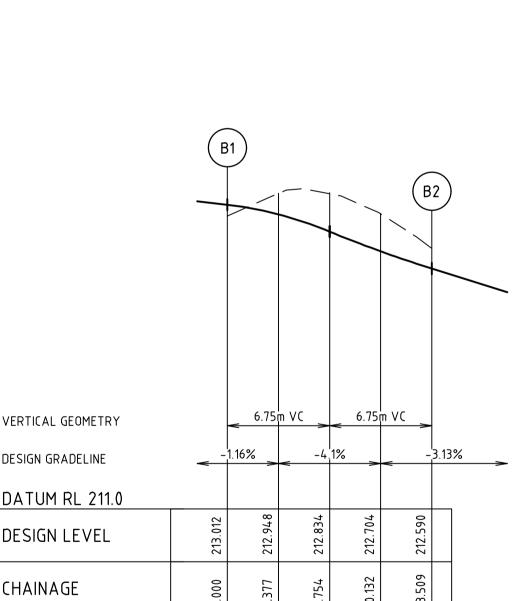
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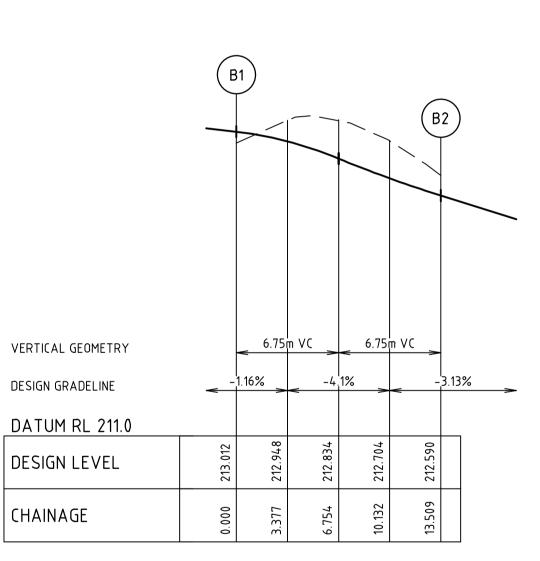


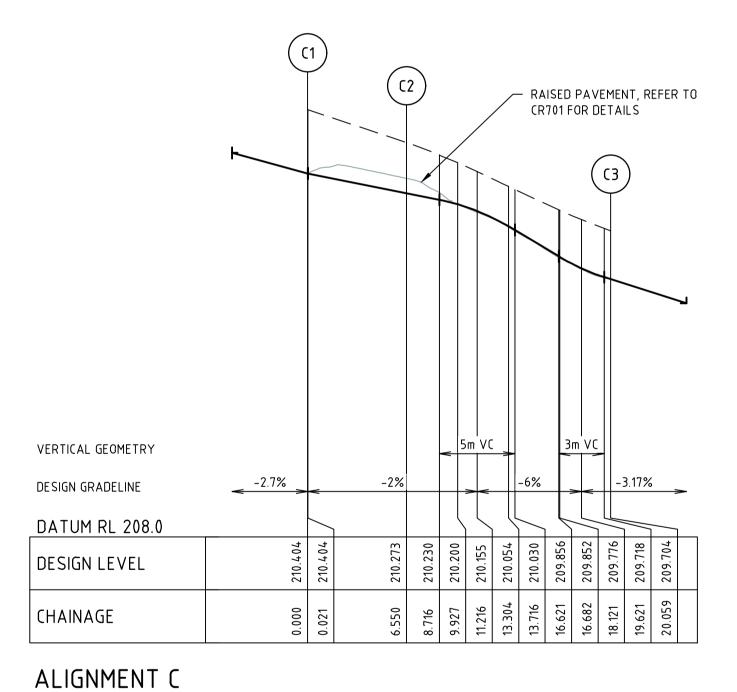


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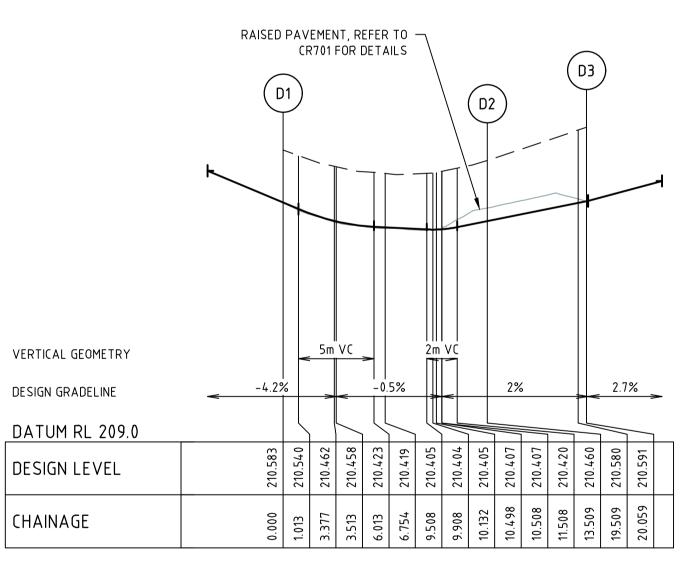




CH 18.20

X = 302328.988 Y = 5835422.133 Z = 210.627

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ALIGNMENT B

ALIGNMENT B

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location	Α	ISSUED TO COUNCIL	M.T-S	22/12/22	
<u>_</u> e	Rev	Amendments	Approved	Date	

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302260.427 5835592.021 213.227

302263.769 5835591.720 213.192

302266.972 5835592.720 213.208

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RADIUS ARC L CHORD MID ORD QTR ORD

8.600 13.509 12.162 2.519 -0.655

VERTICAL GEOMETRY

DESIGN GRADELINE

DATUM RL 212.0

DESIGN LEVEL

ALIGNMENT A

ALIGNMENT A

1 / 4

1 / 2

3 / 4

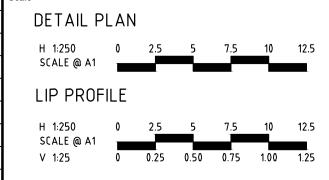
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CURVE

A 1 – A 2

POINT NO EASTING NORTHING RL

CHAINAGE





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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

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	properties
	Communities Designed for Living
	Designed
	H.HOGGARD
URNE	Authorised

J.POYNER

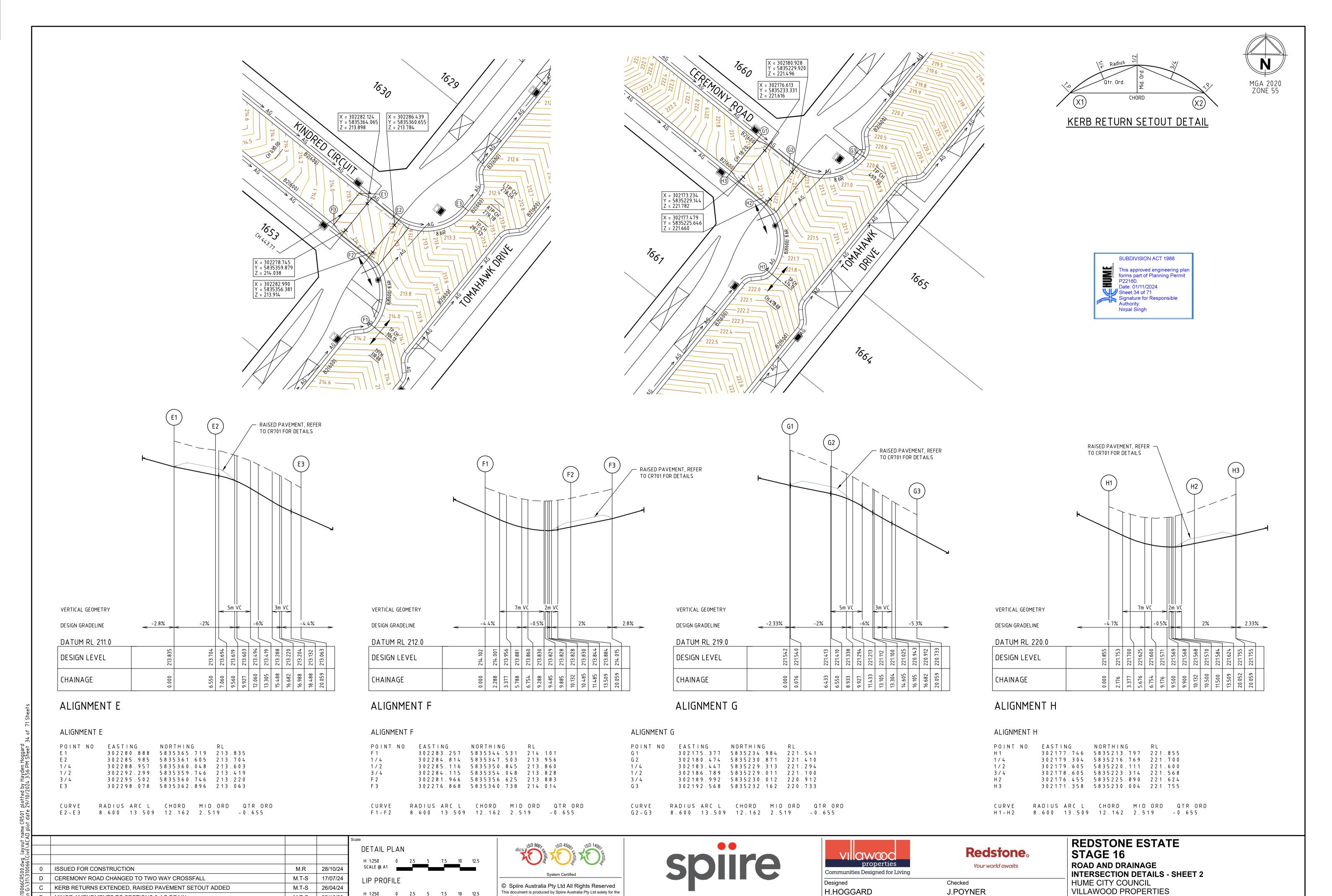
Redstone. Your world awaits
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J.POYNER

APRIL 2024

REDSTONE ESTATE STAGE 16
ROAD AND DRAINAGE
INTERSECTION DETAILS - SHEET 1
HUME CITY COUNCIL
VILLAWOOD PROPERTIES
· · · · · · · · · · · · · · · · · · ·

	Drg No
CONSTRUCTION	310066CR500



L6 414 LA TROBE STREET PO BOX 16084 MELBOURNE

ABN 55 050 029 635

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J.POYNER

APRIL 2024

CONSTRUCTION 310066CR501

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

MINOR AMENDMENTS TO SECTIONS & AG DRAIN

A ISSUED TO COUNCIL

M.T-S

M.T-S

Approved

22/12/23

22/12/22

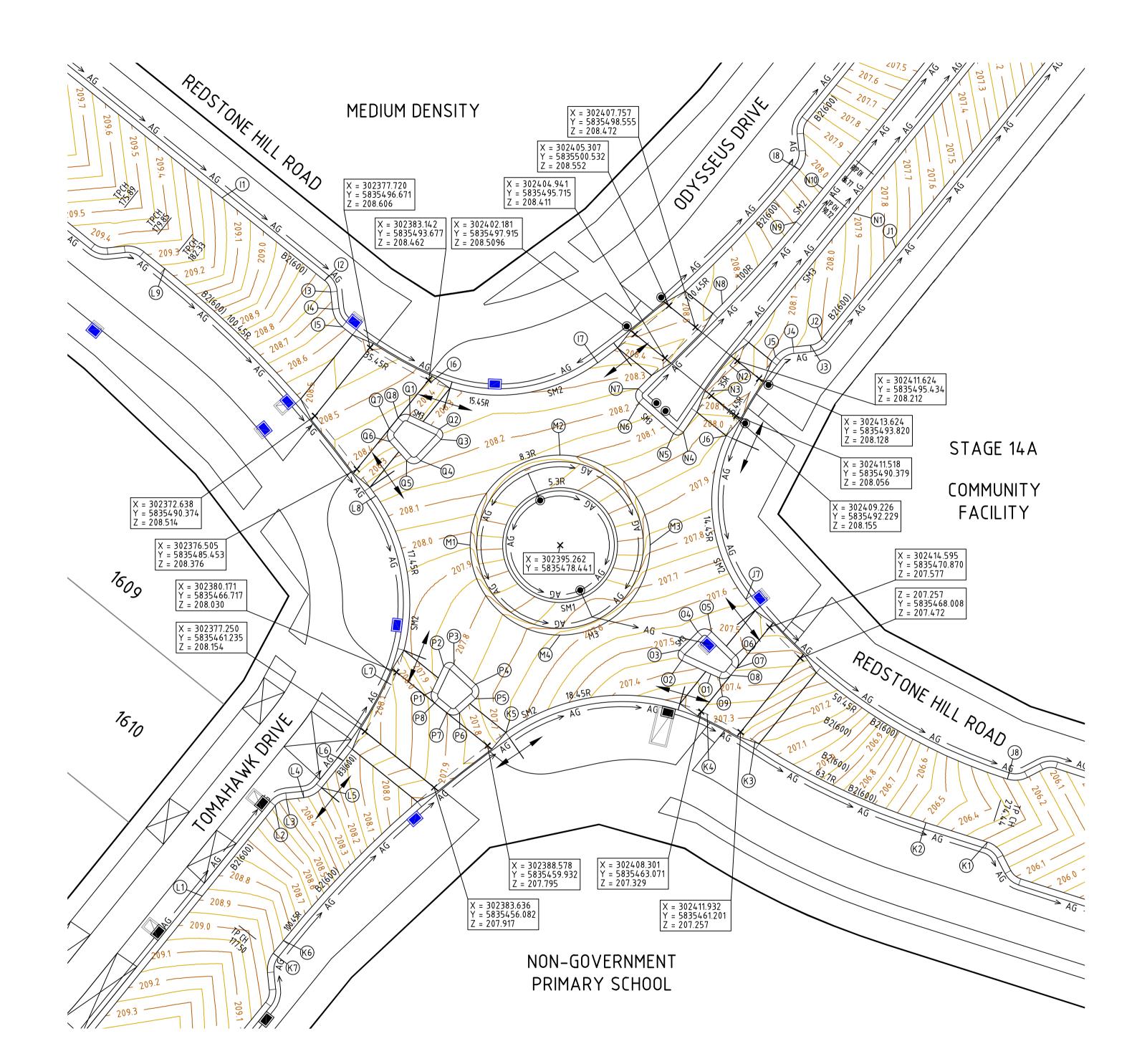
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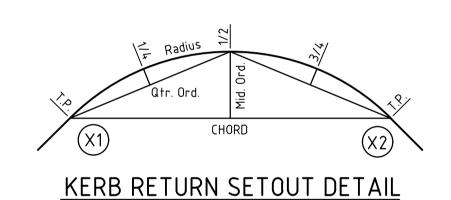


NOTE: FOR FURTHER KERB SET OUTS AND LONG SECTIONS REFER TO PLANS CR503 AND CR504





ALIGNMENT	M			ALIGNMEN1	ΓР				
POINT NO	EASTING	NORTHING	R L	POINT NO	Е	ASTING	NORTHING	5 RL	
M 1	302386.962	5835478.441	207.957	P 1	3	02383.441	5835464.	964 207.	850
1 / 4	302387.594	5835481.617	208.059	P 2	3	02384.537	5835467.	279 207.	8 1 9
1 / 2	302389.393	5835472.572	207.765	P 3	3	02385.489	5835467.	460 207.	799
3 / 4	302392.086	5835486.109	208.143	P 4	3	02387.472	5835465.	601 207.	7 4 3
M 2	302395.262	5835486.741	208.123	P 5	3	02387.452	5835464.	270 207.	763
1 / 4	302398.438	5835486.109	208.067	P 6	3	02385.993	5835462.	981 207.	850
1 / 2	302401.131	5835484.310	208.000	P 7	3	02384.832	5835462.	956 207.	8 9 8
3 / 4	302387.594	5835475.265	207.847	P 8	3	02383.689	5835463.	879 207.	933
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	RAD	IUS ARC L	CHORD	MID ORD	QTR ORD
3 / 4	302398.438	5835470.773	207.605	P 2 – P 3	0.6	0 0 1 . 1 2 9	0.970	0.246	0.065
M 4	302395.262	5835470.141	207.641	P4-P5	0.9	0 0 1 . 4 9 9	1.332	0.294	0.077
1 / 4	302392.086	5835470.773	207.703	P6-P7	0.9	0 0 1 . 2 6 2	1.161	0.212	0.055
1 / 2	302389.393	5835472.572	207.795	P 8 – P 1	0.9	0 0 1 . 2 0 1	1 . 1 1 4	0.193	0.050
3 / 4	302387.594	5835475.265	207.847						
CURVE	RADIUS ARC L	CHORD MID	ORD QTR ORD						
M 1 – M 2	8.300 13.038	3 11.738 2.4	31 0.632						
M 2 – M 3	8.300 13.038	3 11.738 2.4	31 0,632						
M 3 – M 4	8.300 13.038	3 11.738 2.4	31 0.632						
M 4 – M 1	8.300 13.038	3 11.738 2.4	31 0.632						



CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
N 2 – N 3	35.000	2.910	2.909	0.030	- 0 . 0 0 8
N 4 – N 5	0.600	1.019	0.901	0.204	0.053
N 6 – N 7	0.900	1.466	1.309	0.282	0.074
N 8 – N 9	100.000	10.218	10.214	0.130	-0.033

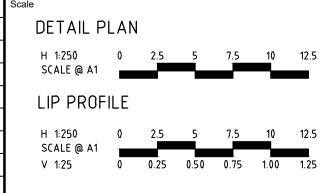
ALIGNMEN ⁻	ГО			ALIGNMENT	Q		
POINT NO	EASTING	NORTHING RI	_	POINT NO	EASTING	NORTHING	R L
0 1	302409.186	5835466.555 20	7.387	Q 1	302381.409	5835490.433	208.400
0 2	302406.506		7 . 4 4 3	Q 2	302384.095	5835489.162	208.267
0 3	302406.331		7.469	Q 3	302384.277	5835488.209	208.243
0 4	302407.973		7 . 5 1 7	Q 4	302382.420	5835486.228	208.226
0 5	302409.242	5835470.455 20	7 . 5 1 7	Q 5	302381.089	5835486.247	208.263
0 6	302411.466		7 . 4 6 6	Q 6	302379.532	5835488.010	208.375
0 7	302411.540		7 . 4 5 2	Q 7	302379.506	5835489.171	208.408
0 8	302411.029		7.437	Q 8	302380.324	5835490.184	2 0 8 . 4 2 1
0 9	302409.950		7 . 4 0 6				
				CURVE	RADIUS ARC	L CHORD MI	D ORD QTR ORD
CURVE	RADIUS ARC	L CHORD MID OF	RD QTR ORD	Q 2 - Q 3	0.600 1.12		247 0.065
02-03	0.600 1.14	7 0.980 0.254	0.067	Q 4 - Q 5	0.900 1.49	9 1.331 0.	294 0.077
04-05	0.900 1.40		0 068	Q6-Q7	0.900 1.26		2 1 2 0 . 0 5 5
06-07	0.900 1.33		0.061	Q 8 – Q 1	0.900 1.20		193 0.050
0.0	0 000 1 10		0 0 0 0				

Redstone。

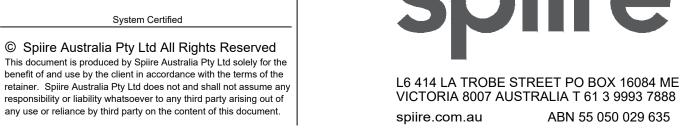
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				Scal
0	ISSUED FOR CONSTRUCTION	M.R	28/10/24	
С	RAISED PAVEMENT SETOUT ADDED, OTHER AMENDMENTS	M.T-S	26/04/24	
В	CARPARKS EXTENDED & AG DRAINS AMENDED	M.T-S	22/12/23	
Α	ISSUED TO COUNCIL	M.T-S	22/12/22	
Rev	Amendments	Approved	Date	









ABN 55 050 029 635

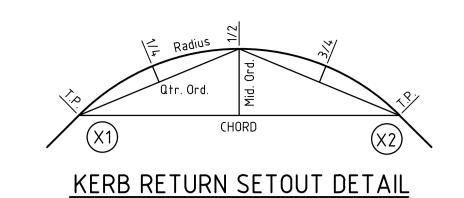
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VII	properties
Communit	ies Designed for Living
Designed	

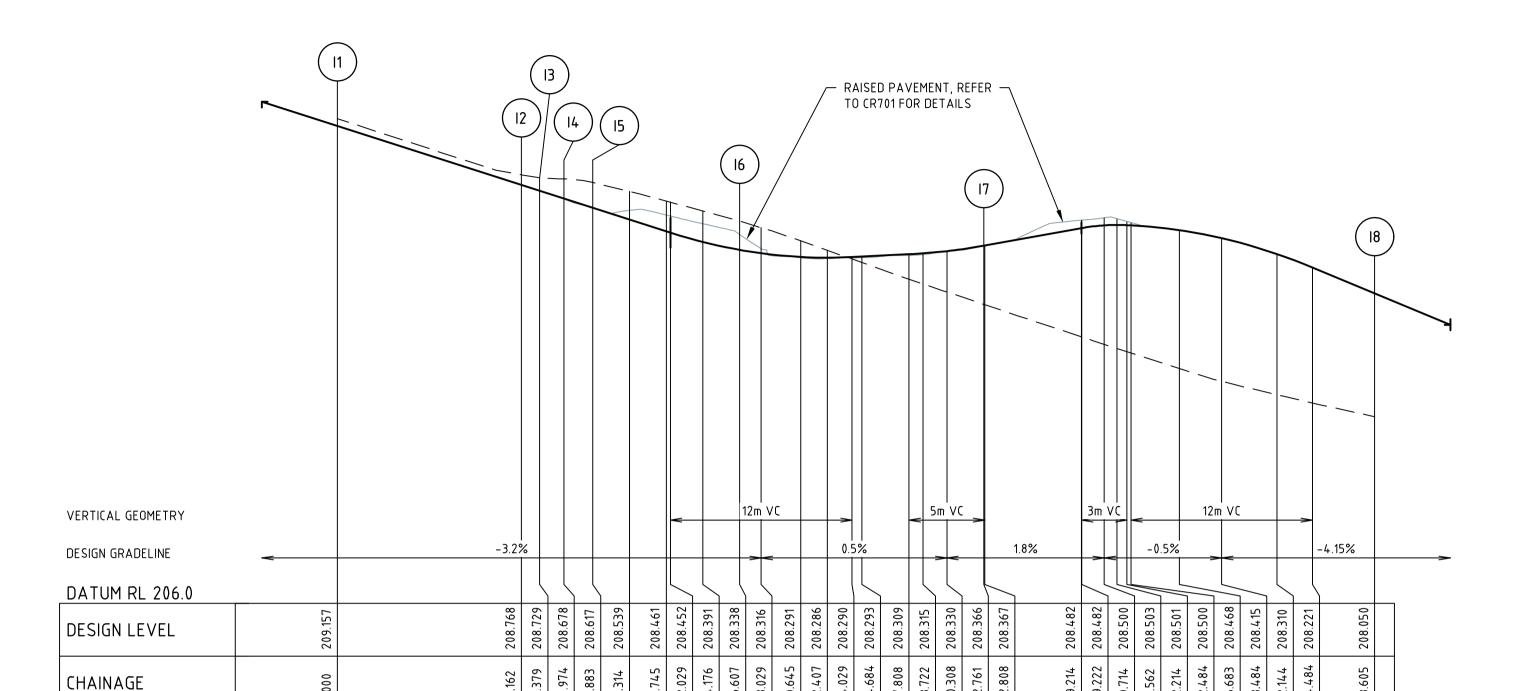
Communities Designed for Living	
Designed	Checked
H.HOGGARD	J.POYNER
Authorised	Date
J.POYNER	APRIL 2024

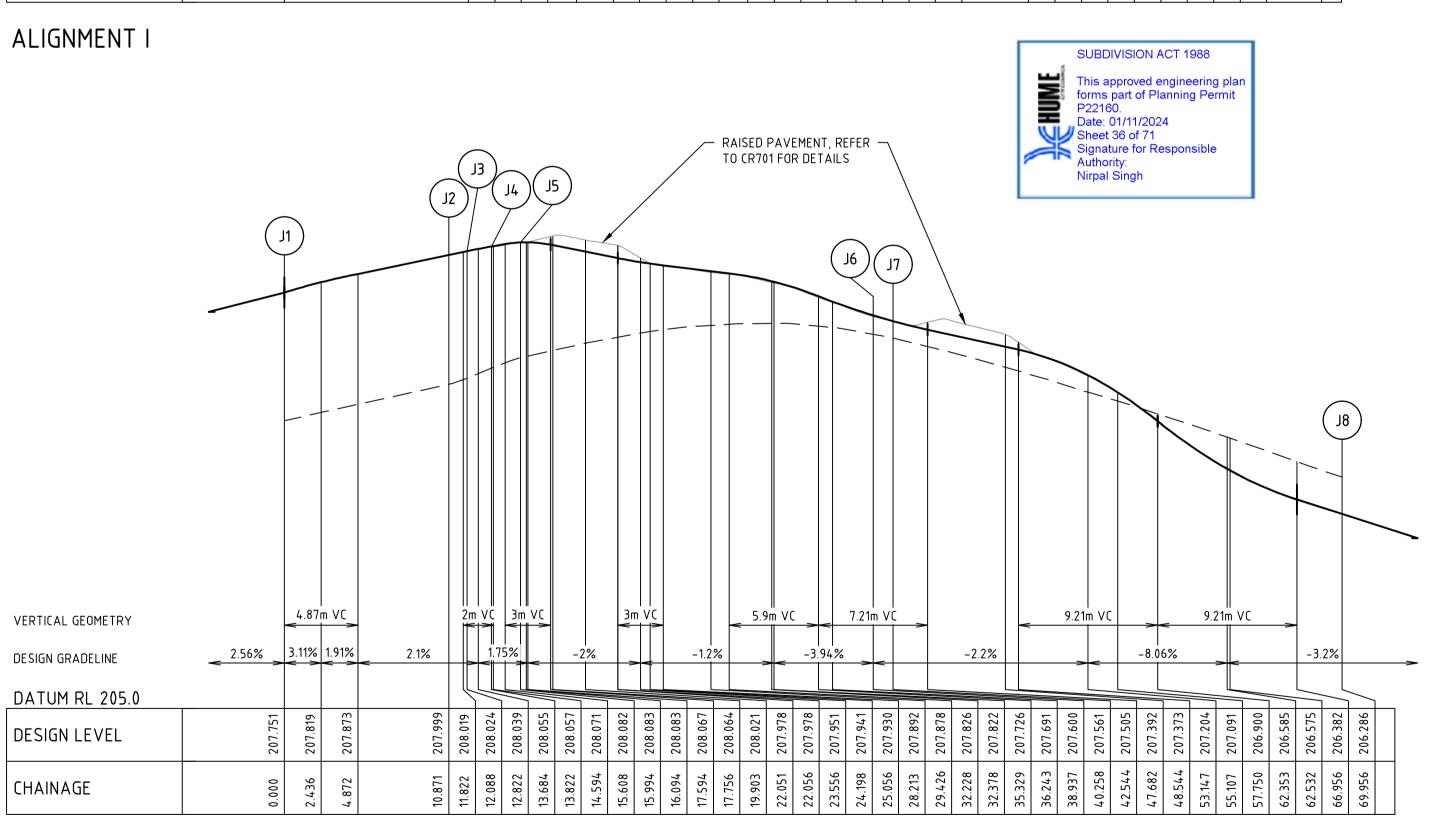
0.900 1.194 1.109 0.191

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

CONSTRUCTION 310066CR502 0







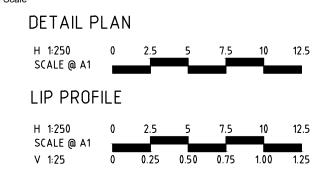
ALIGNMENT J

ALIGNM	ENT I			
1 1 1 2 1 3 1 4 1 5 1 / 4 1 / 2 3 / 4 1 / 2 3 / 4 1 7 1 / 4	3 0 2 3 7 3 . 5 2 1 3 0 2 3 7 4 . 0 8 9 3 0 2 3 7 5 . 1 4 4 3 0 2 3 7 7 . 0 7 7 3 0 2 3 8 7 . 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 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 3 9 8 . 7 4 9 3 0 2 4 0 3 . 8 2 5 3 0 2 4 1 3 . 1 5 6	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 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 3 . 5 4 8 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 3 . 3 2 5 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 3 . 5 7 8	2 0 9 . 1 5 7 2 0 8 . 7 6 8 2 0 8 . 7 2 9 2 0 8 . 6 7 8 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 . 4 6 8 2 0 8 . 3 1 0	
2 - 3 4 - 5 5 - 6	RADIUS ARC L 1.550	1.861 0.1 9.693 0.3 15.428 2.0	1 8 0 8 4 - 0 3 3 - 0 6 4 - 0	. 0 3 0

17-18 100.450 25.844 25.772 0.830 -0.208

ALIGNMEN	ΤJ		
POINT NO J1 J2 J3 J4 J5 1/4 1/2 3/4 J6 1/4 1/2 3/4 J7 1/4 1/2 3/4 J7	3 0 2 4 2 6 . 2 4 6 3 0 2 4 1 9 . 4 1 8 3 0 2 4 1 8 . 3 7 7 3 0 2 4 1 6 . 7 9 0 3 0 2 4 1 5 . 1 4 3 3 0 2 4 1 3 . 8 4 6 3 0 2 4 1 2 . 6 5 5 3 0 2 4 1 1 . 5 7 4 3 0 2 4 1 0 . 6 0 7 3 0 2 4 0 9 . 4 3 3 3 0 2 4 0 9 . 3 5 3 3 0 2 4 1 0 . 3 7 4 3 0 2 4 1 2 . 4 1 6 3 0 2 4 1 7 . 4 6 3 3 0 2 4 2 3 . 2 5 3	NORTHING 5 8 3 5 5 0 5 . 9 2 5 5 8 3 5 4 9 7 . 4 6 5 5 8 3 5 4 9 6 . 8 9 7 5 8 3 5 4 9 6 . 7 2 8 5 8 3 5 4 9 4 . 1 1 9 5 8 3 5 4 9 2 . 3 3 3 5 8 3 5 4 9 0 . 4 7 8 5 8 3 5 4 8 8 . 5 6 1 5 8 3 5 4 8 4 . 7 3 5 5 8 3 5 4 8 0 . 7 3 4 5 8 3 5 4 7 6 . 8 6 4 5 8 3 5 4 6 7 . 9 8 6 5 8 3 5 4 6 3 . 3 4 9 5 8 3 5 4 5 6 . 8 5 1	206.575
C U R V E J 2 - J 3 J 4 - J 5 J 5 - J 6 J 6 - J 7 J 7 - J 8	RADIUS ARC L 1.550 1.217 2.450 1.924 35.450 8.590 14.450 16.059 50.450 29.699	CHORD MID 1.186 0.1 1.875 0.1 8.569 0.2 15.245 2.1 29.272 2.1	8 7

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1006					
31/3	0	ISSUED FOR CONSTRUCTION	M.R	28/10/24	
G:\:	С	ALIGNMENTS AMENDED	M.T-S	26/04/24	
tion	В	CARPARKS EXTENDED	M.T-S	22/12/23	
location G:\31\310066\Civil\AC	Α	ISSUED TO COUNCIL	M.T-S	22/12/22	
ile	Rev	Amendments	Approved	Date	l





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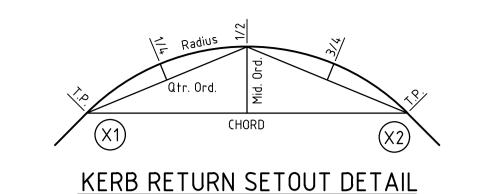
properties
Communities Designed for Living
Designed H.HOGGARD
Authorised

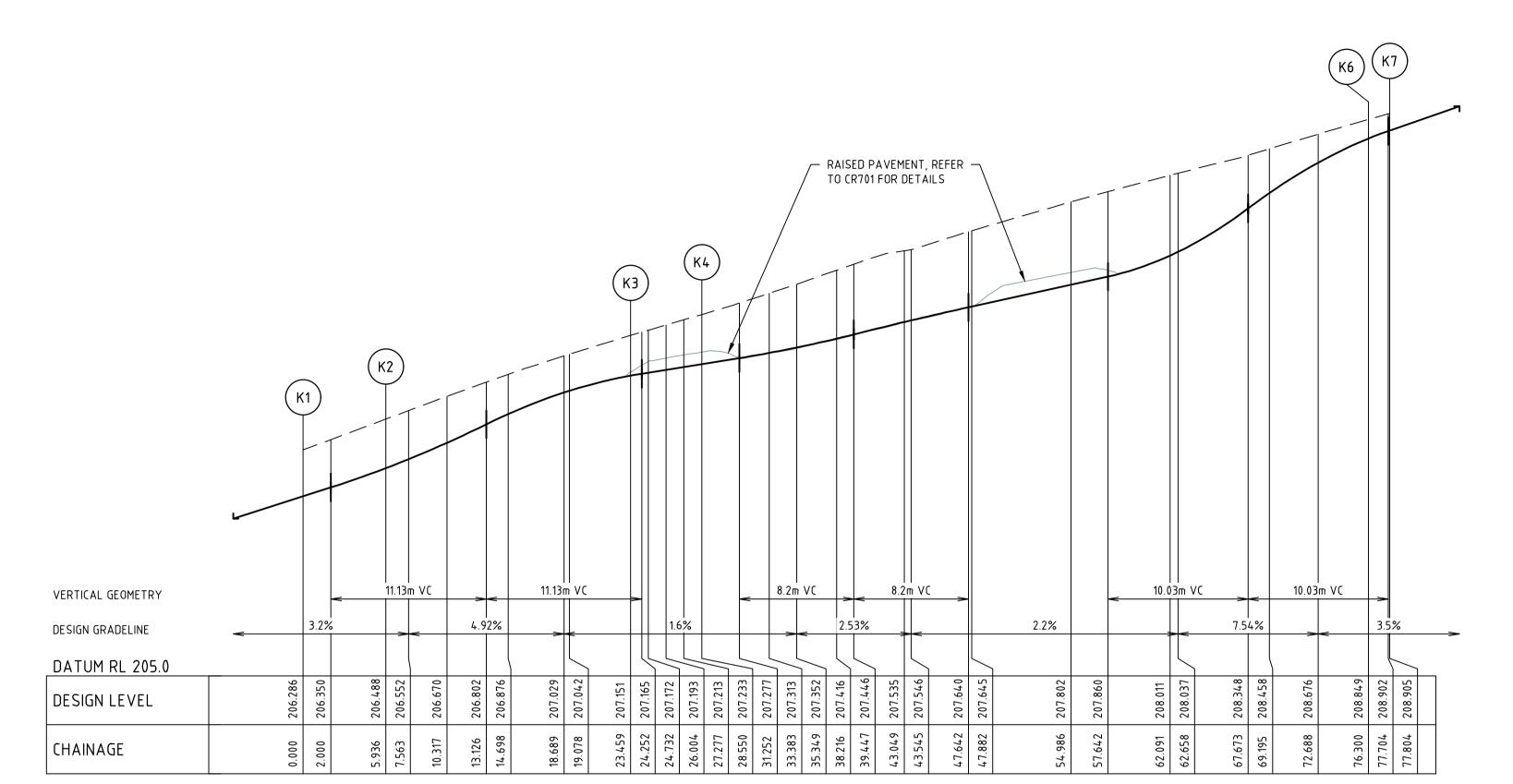
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J.POYNER

APRIL 2024

REDSTONE ESTATE STAGE 16 ROAD AND DRAINAGE **INTERSECTION DETAILS - SHEET 4** HUME CITY COUNCIL VILLAWOOD PROPERTIES

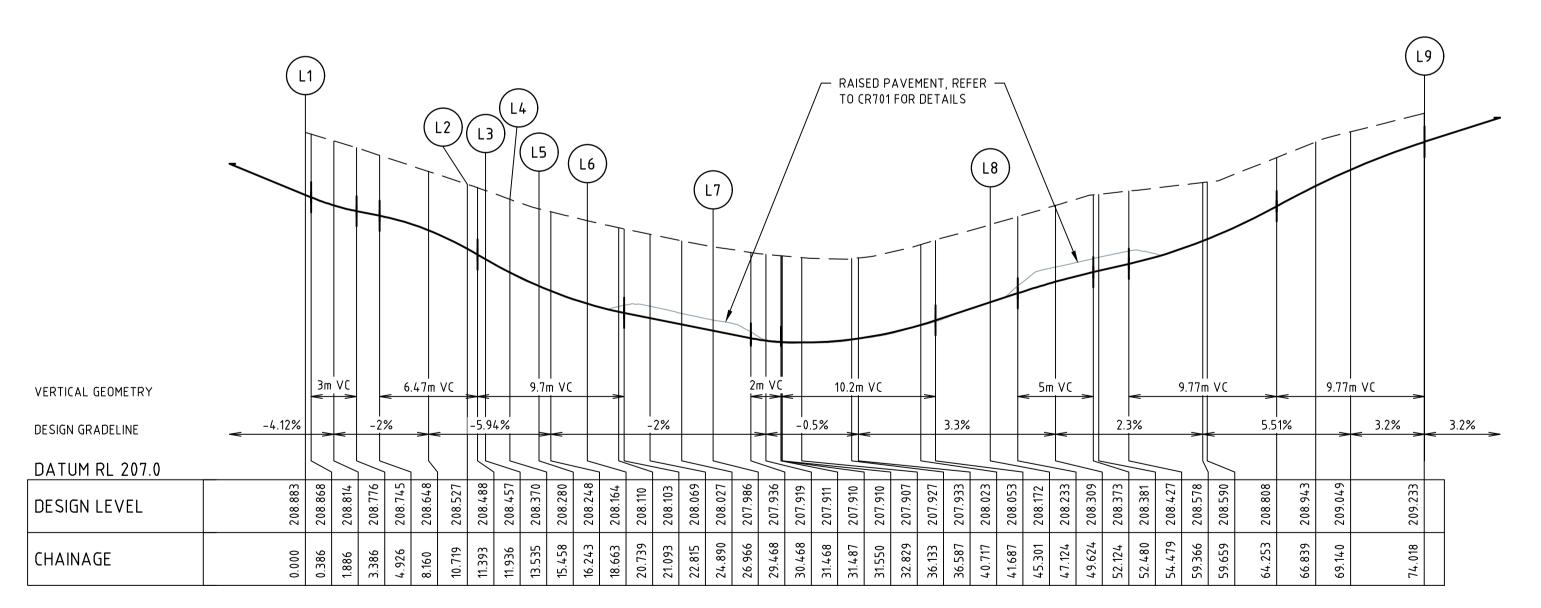






ALIGNMENT K





DETAIL PLAN

LIP PROFILE

0 0.25 0.50 0.75 1.00

SCALE @ A1

V 1:25

ALIGNMENT L

dlcs \$0.900, certified \$1400, certified \$1500, certified	
System Certified	

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ALIGNMENT K

K 2

1/4

1 / 2

3 / 4 K 3

1/4

1 / 2

3 / 4

1/2

3 / 4

K 5

1 / 4 1/2

3 / 4

CURVE

K 2 – K 3

ALIGNMENT L

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

K 4 1 / 4

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

1.550 1.216 1.185 0.118 0.030

2.450 1.923 1.874 0.186 -0.047

L6-L7 35.450 8.303 8.284 0.243 -0.061

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

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

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

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

	Drg No
CONSTRUCTION	310066CR504

Rev



ISSUED FOR CONSTRUCTION

ALIGNMENTS AMENDED

B LONG SECTIONS AMENDED

ISSUED TO COUNCIL

Rev | Amendments

M.R 28/10/24 M.T-S 26/04/24 M.T-S 22/12/23 M.T-S 22/12/22

Approved

Date

Checked J.POYNER

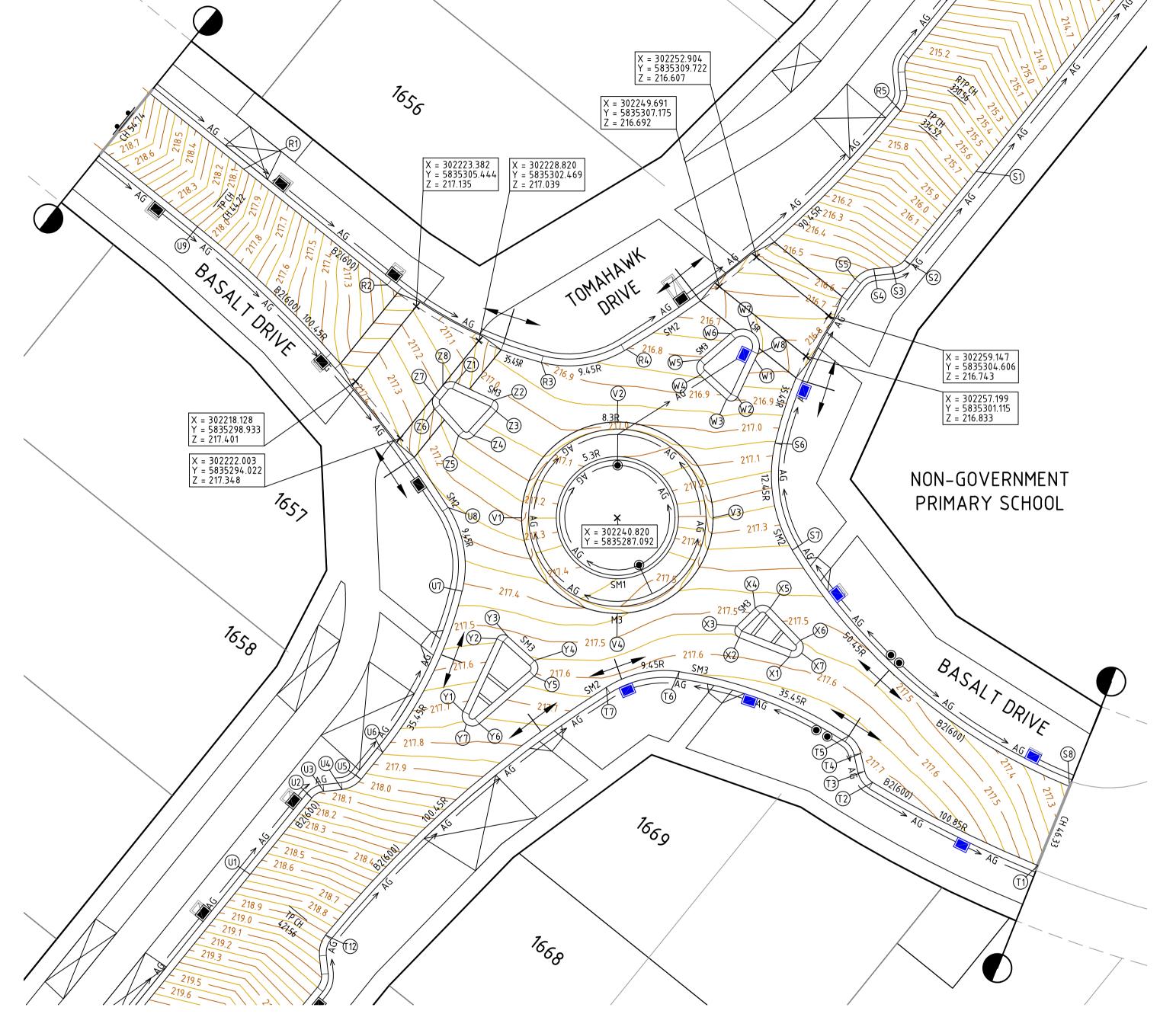
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NOTE: FOR FURTHER KERB SET OUTS AND LONG SECTIONS REFER TO PLANS CR506, CR507 AND CR508.



ALIGNMENT	V		
V 1 1 / 4 1 / 2 3 / 4 V 2 1 / 4 1 / 2 3 / 4 V 3 1 / 4 1 / 2 3 / 4 V 4 1 / 2	E A S T I N G 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 6 . 6 8 9 3 0 2 2 4 6 . 6 8 9 3 0 2 2 4 7 . 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 3 3 . 1 5 1 3 0 2 2 4 0 . 8 2 0 3 0 2 2 3 7 . 6 4 3 3 0 2 2 3 4 . 9 5 1	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 7 . 0 9 2 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 9 1 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 6 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 . 2 8 7 2 1 7 . 3 9 5 2 1 7 . 3 5 2
3 / 4	302233.151	5835283.916	217.287
CURVE			ORD QTR ORD
V 1 – V 2	8.300 13.038		3 1 0 . 6 3 2
	8.300 13.038		
V 3 – V 4	8.300 13.038	11.738 2.4	31 0.632

3 / 4	202221.042	D	7 7
V 2	302240.820	5835295.392 216.99	9 1
1 / 4	302243.996	5835294.761 217.01	1 2
1 / 2	302246.689	5835292.961 217.06	5 2
3 / 4	302233.151	5835283.916 217.28	3 7
V 3	302249.120	5835287.092 217.24	+ 6
1 / 4	302248.488	5835283.916 217.36	6 6
1 / 2	302246.689	5835281.223 217.44	+ 1
3 / 4	302233.151	5835283.916 217.28	3 7
V 4	302240.820	5835278.792 217.43	3 7
1 / 4	302237.643	5835279.424 217.39	9 5
1 / 2	302234.951	5835281.223 217.35	5 2
3 / 4	302233.151	5835283.916 217.28	3 7
CURVE	RADIUS ARC L		QTR ORD
V 1 – V 2	8.300 13.038	11.738 2.431	0.632
V 2 – V 3	8.300 13.038	11.738 2.431	0.632
V 3 – V 4	8.300 13.038	11.738 2.431	0.632
V 4 – V 1	8.300 13.038	11.738 2.431	0.632

POINT NO	EASTING	NORTHING	RL
X 9	302255.744	5835275.013	217.574
X 1	302255 744	5835275.013	217.574
X 2	302251 409	5835276.711	217.552
1 / 4	302251.168	5835276.884	217.549
1 / 2	302251.039	5835277.152	217.545
3 / 4	302251.055	5835277.448	217.541
X 3	302251.209	5835277.700	217.536
X 4	302252.815	5835279.261	217.487
1 / 4	302253.112	5835279.453	217.481
1 / 2	302253.460	5835279.515	217.476
3 / 4	302253.805	5835279.439	217.474
X 5	302254.094	5835279.236	217.475
X 6	302256.724	5835276.472	217.544
1 / 4	302256.893	5835276.220	217.550
1 / 2	302256.969	5835275.927	217.556
3 / 4	302256.943	5835275.625	217.561
X 7	302256.819	5835275.349	217.565
1 / 4	302256.610	5835275.130	217.568
1 / 2	302256.340	5835274.992	217.571
3 / 4	302256.040	5835274.952	217.573
X 8	302255.744	5835275.013	

CURVE RADIUS ARC L CHORD MID ORD QTR ORD X2-X3 0.600 1.198 1.009 0.275 0.073

X 4 - X 5 0 . 9 0 0 1 . 4 2 3 1 . 2 8 0 0 . 2 6 7

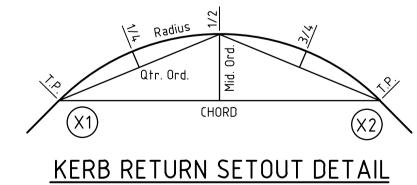
ALIGNMENT	Z					
POINT NO Z 1 Z 2 Z 3 Z 4 Z 5 Z 6 Z 7 Z 8 Z 9	E A S T I N 3 0 2 2 2 7 3 0 2 2 3 0 3 0 2 2 2 8 3 0 2 2 2 7 3 0 2 2 2 5 3 0 2 2 2 4 3 0 2 2 2 6	. 4 6 6 . 1 2 5 . 3 1 7 . 3 9 2 . 0 5 3 . 0 0 4 . 9 7 7 . 6 8 9	5835297.	5 1 9 2 9 1 3 4 2 2 2 6 2 3 4 5 4 5 7 0 7 5 9 0	R L 2 1 7 . 0 7 2 1 7 . 0 3 2 1 7 . 0 3 2 1 7 . 0 7 2 1 7 . 1 1 2 1 7 . 1 9 2 1 7 . 2 0 2 1 7 . 1 8 2 1 7 . 1 1	3 0 9 5 2 9
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	M I D 0 . 2 4 0 . 2 9 0 . 2 1 0 . 1 9	5 9 3	QTR ORD 0.065 0.078 0.055 0.049

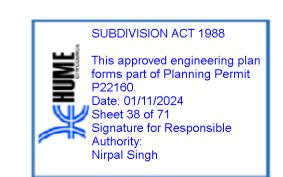
ALIGNMENT W

POINT NO W 1 W 2 W 3 W 4 W 5 W 6 W 7 W 8	E A S T I 3 0 2 2 5 3 0 2 2 5 3 0 2 2 5 3 0 2 2 4 3 0 2 2 4 3 0 2 2 5 3 0 2 2 5 3 0 2 2 5 3 0 2 2 5	2 . 7 7 7 1 . 2 5 9 0 . 3 1 2 8 . 0 1 3 8 . 0 2 9 0 . 6 7 4 2 . 5 5 9	NORTHING 5835300.830 5835297.574 5835297.383 5835299.473 5835300.819 5835303.108 5835303.171 5835301.340	R L 2 1 6 . 2 1 6 .	8 9 0 9 0 7 8 4 3 8 0 8 7 2 7 7 3 2
C U R V E W 2 - W 3 W 4 - W 5 W 6 - W 7 W 7 - W 8	RADIUS 0.600 0.900 1.500 1.500	ARC L 1.123 1.522 2.040 2.040	0 . 9 6 6 0 . 1 . 3 4 7 0 . 1 . 8 8 7 0 .	O ORD 244 303 334 334	QTR ORD 0.065 0.079 0.086 0.086

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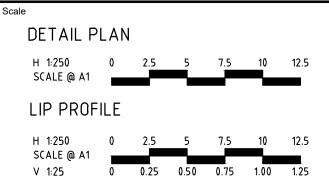
DOLNIT	NO	ГАСТІ	NC	NODTHING		D.I		
POINT	ΝO	EASTI		NORTHING		RL		
Y 1			7.447	5835270.2	9 4	217.7	2 6	
Y 2		30223	0.388	5835276.6	0.5	217.5	1 8	
Y 3		30223	1.335	5835276.7	9 5	217.5	19	
Y 4		30223	3.634	5835274.7	0.6	217.5	6 5	
Y 5		30223	3 618	5835273.3	5 9	217.6	0 7	
Y 6		30222	8.851	5835269.2	3.4	217.7		
Y 7		30222		5835269.1		217.7		
CURVE		RADIUS	ARC L	CHORD	MID	ORD	QTR	0
Y 2 – Y 3		0.600	1.123	0.966	0.2	4 4	0.06	5
Y4-Y5		0.900	1.522	1.347	0.3	0 3	0.07	9
Y 6 - Y 7		0.900	1.224	1.132	0.2	0 0	0.05	2
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loca	Α	ISSUED TO COUNCIL	M.T-S	22/12/22	
file	Rev	Amendments	Approved	Date	





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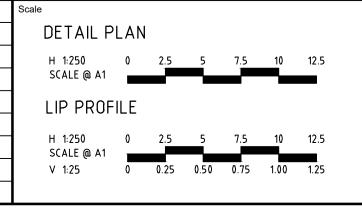
Communities Designed for Living	
Designed	Checked
H.HOGGARD	J.POYNER
Authorised	Date
J.POYNER	APRIL 2024

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REDSTONE ESTATE
STAGE 16
ROAD AND DRAINAGE
INTERSECTION DETAILS - SHEET
HUME CITY COUNCIL
VII I AWOOD DDODEDTIES

CONSTRUCTION	310066CR505
	Drg No
VILLAWOOD PROPERTIES	





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J.POYNER

H.HOGGARD Authorised

Checked J.POYNER APRIL 2024

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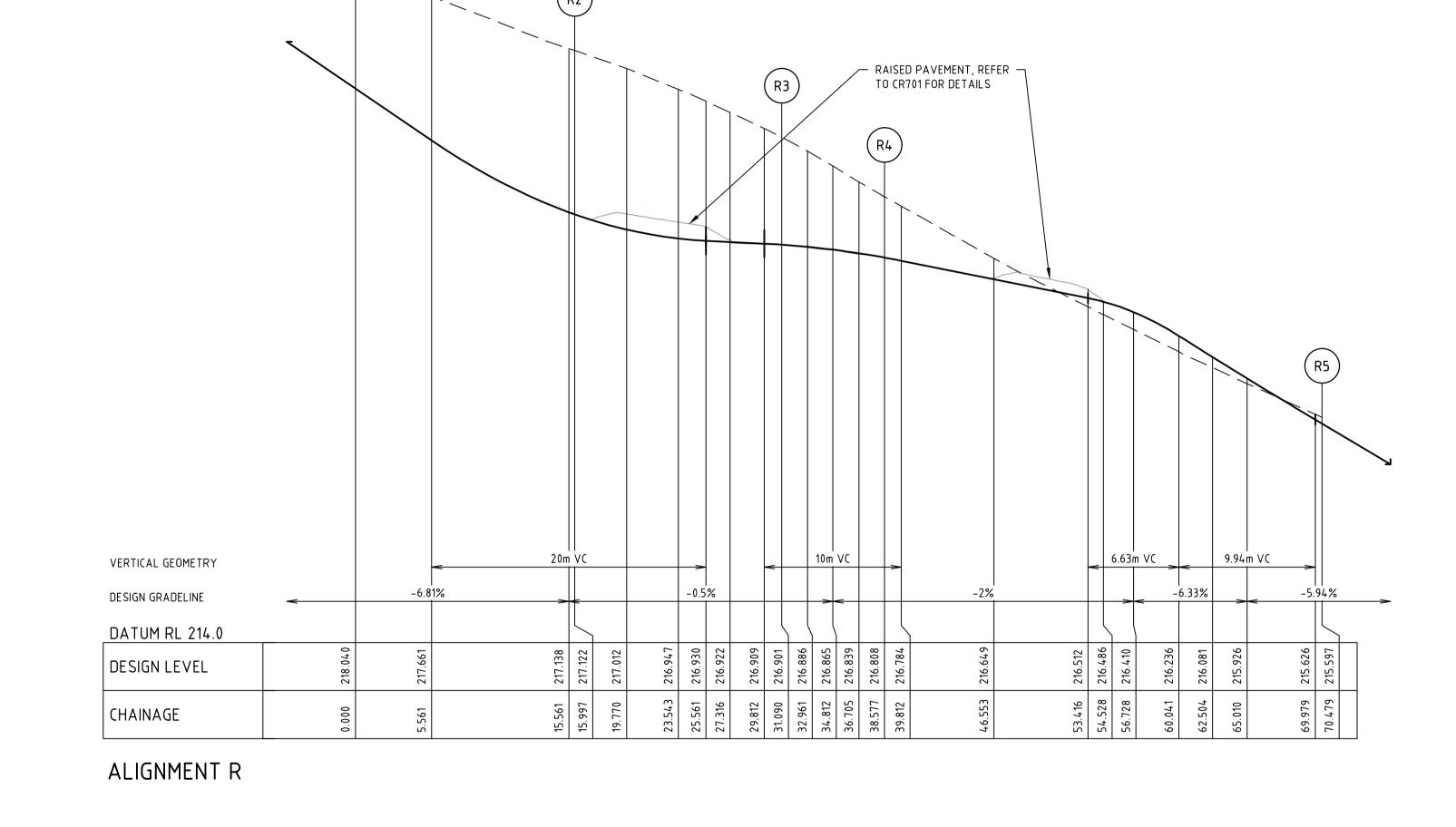
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REDSTONE ESTATE STAGE 16 ROAD AND DRAINAGE HUME CITY COUNCIL VILLAWOOD PROPERTIES

KERB RETURN SETOUT DETAIL

INTERSECTION DETAILS - SHEET 7 CONSTRUCTION 310066CR506 0



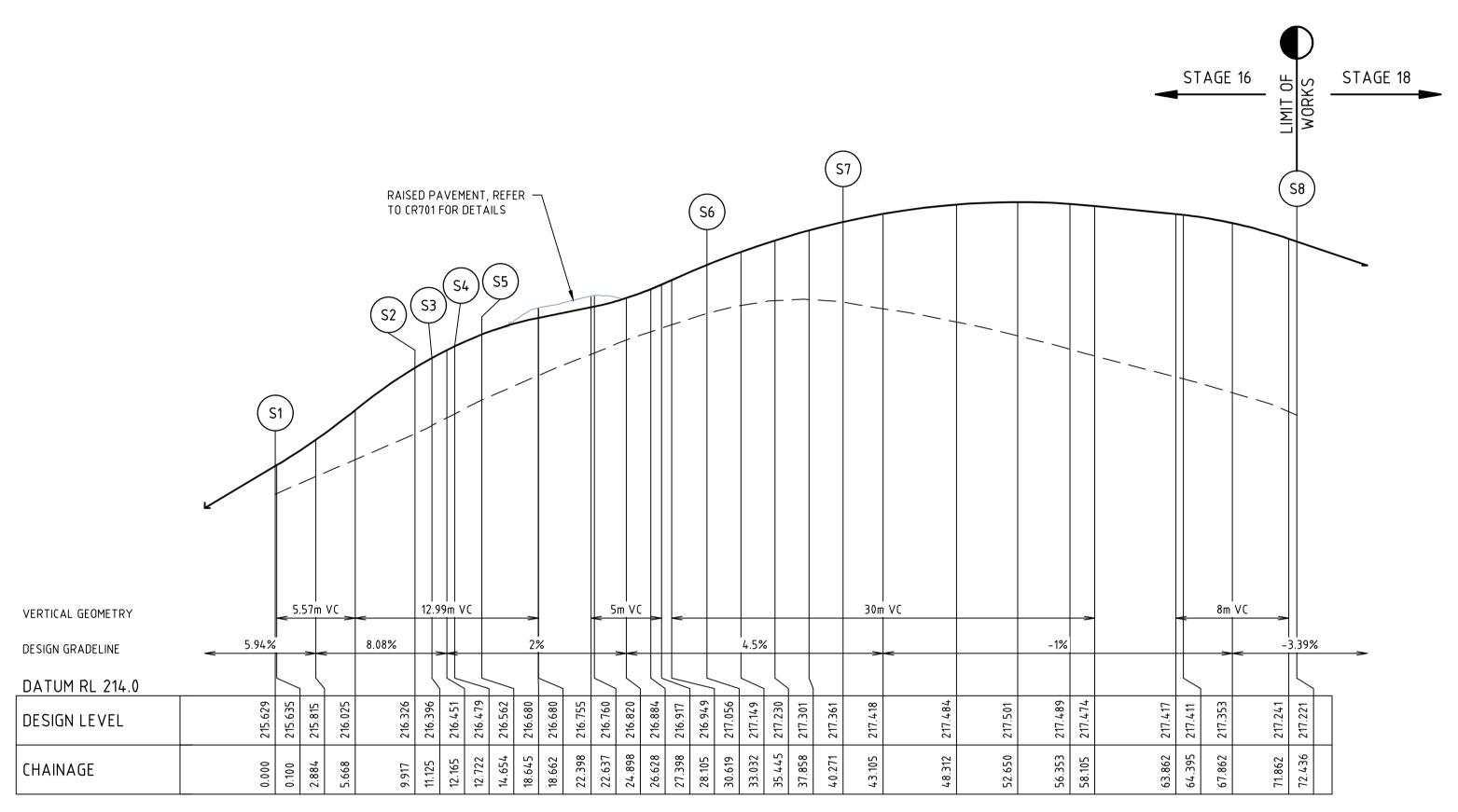


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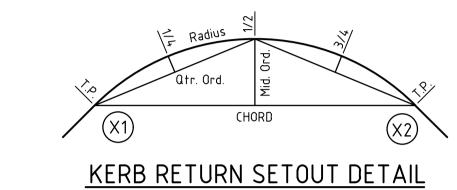
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POINT NR 1 R 2 1 / 4 1 / 2 3 / 4 R 3 1 / 4 1 / 2 3 / 4 R 4 1 / 2 3 / 4 R 5	E A S T I N (3 0 2 2 0 8 3 0 2 2 2 0 3 0 2 2 2 3 3 0 2 2 3 0 3 0 2 2 3 4 3 0 2 2 3 6 3 0 2 2 3 7 3 0 2 2 3 7 3 0 2 2 3 9 3 0 2 2 4 1 3 0 2 2 4 8 3 0 2 2 5 4 3 0 2 2 6 5	4 1 7 5 8 3 8 6 6 5 8 3 1 9 7 5 8 3 1 9 7 5 8 3 1 9 7 5 8 3 1 9 7 5 8 3 1 2 4 7 5 8 3 1 2 1 5 8 3 1 2 1 5 8 3 1 4 5 5 8 3 1 4	RTHING 5 3 1 7 . 3 5 5 5 3 0 7 . 3 0 8 5 3 0 5 . 0 9 9 5 3 0 3 . 2 2 7 5 3 0 1 . 7 1 4 5 3 0 0 . 5 7 6 5 3 0 0 . 2 8 9 5 3 0 0 . 3 7 1 5 3 0 0 . 8 1 9 5 3 0 1 . 6 1 5 5 3 0 6 . 0 0 5 5 3 1 0 . 9 6 4 5 3 1 6 . 4 5 4 5 3 2 2 . 4 3 2	R L 2 18 . 0 4 0 2 17 . 1 2 2 2 17 . 0 1 2 2 16 . 9 4 7 2 16 . 9 2 2 2 16 . 9 0 1 2 16 . 8 8 6 2 16 . 8 6 5 2 16 . 8 3 9 2 16 . 8 0 8 2 16 . 6 4 9 2 16 . 4 8 6 2 16 . 0 8 1 2 15 . 5 9 7
CURVE	RADIUS AF	RC L CH	HORD MI	D ORD QTR

3 / 4 R 5	3 0 2 2 6 0 3 0 2 2 6 5		5 8 3 5 3 1 6 . 4 5 8 3 5 3 2 2 . 4		. 0 8 1 . 5 9 7
C U R V E R 2 – R 3 R 3 – R 4 R 4 – R 5	9.450	ARC L 15.093 7.488 31.902	C H O R D 1 4 . 9 7 9 7 . 2 9 3 3 1 . 7 3 7	MID ORD 0.800 0.732 1.403	QTR ORE - 0 . 2 0 1 - 0 . 1 8 5 - 0 . 3 5 1









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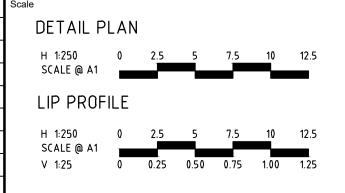
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S 1		302271.958	5835317.156	215.629
S 2		302265.730	5835309.439	216.326
S 3		302264.696	5835308.875	216.396
S 4		302263.108	5835308.706	216.479
S 5		302261.455	5835307.805	216.562
1 / 4		302259.129	5835304.564	216.680
1/2		302257.181	5835301.083	216.760
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		302266.715	5835272.097	217.489
3 / 4		302272.905	5835267.392	217.411
S 8		302272.703	5835263.780	217.411
3 0		J V Z Z O V . V O V	7077207.700	211.221

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 . 0 4 7
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

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31/3	0	ISSUED FOR CONSTRUCTION	M.R	28/10/24	
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ile	Rev	Amendments	Approved	Date	l





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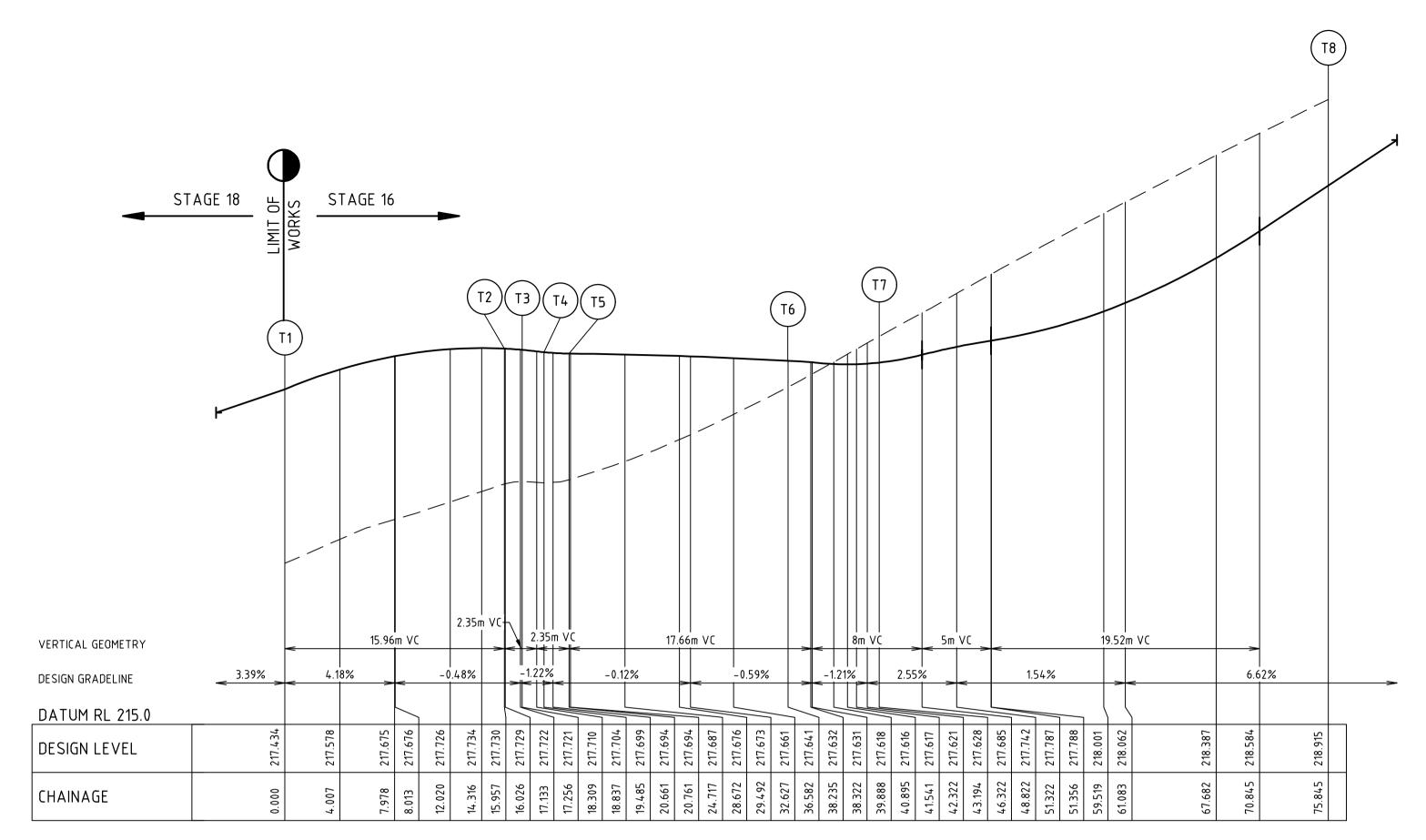
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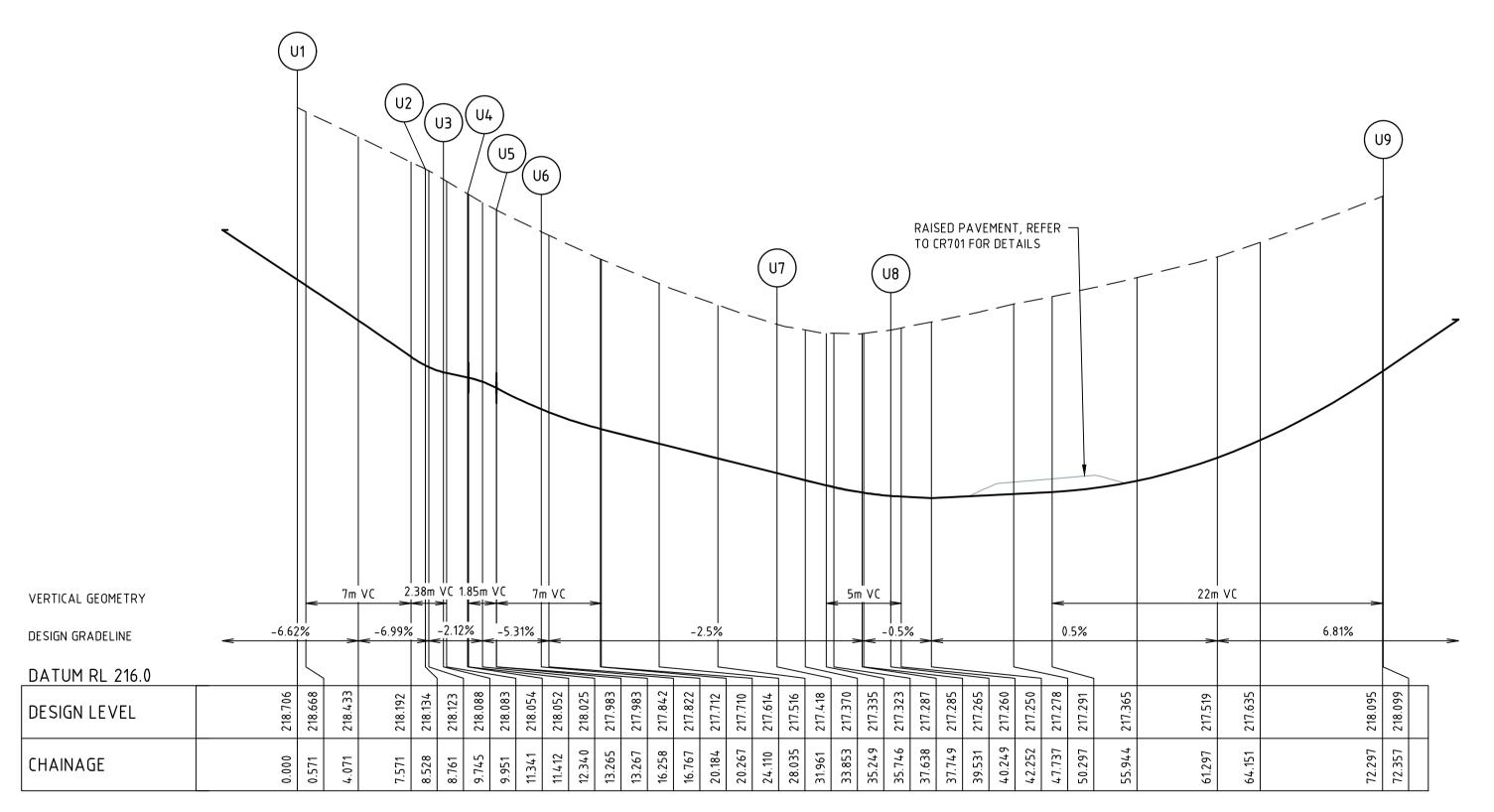
VIII AWOC properties
Communities Designed for Living
Designed H.HOGGARD

Checked
J.POYNER
Date
APRIL 2024

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

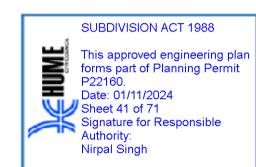


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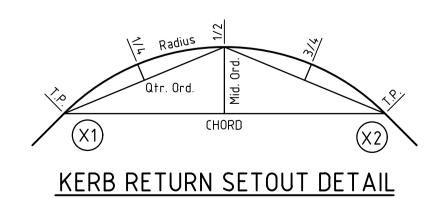
ALIGNMENT T

T 1 1 / 1 / 3 / T 2 T 3 T 4 T 5 1 / 1 / 3 / T 6 1 / 3 / T 7 1 /	4 2 4 4 2 4 4 2 4 4 2	3 0 2 2 7 7 . 2 9 0 3 0 2 2 7 3 . 6 1 0 3 0 2 2 6 9 . 9 9 6 3 0 2 2 6 6 . 4 5 4 3 0 2 2 6 2 . 9 8 8 3 0 2 2 6 2 . 2 9 8 3 0 2 2 6 1 . 9 5 7 3 0 2 2 6 0 . 8 8 3 3 0 2 2 5 7 . 4 7 1 3 0 2 2 5 3 . 8 5 7 3 0 2 2 5 0 . 0 8 8 3 0 2 2 4 6 . 2 1 0 3 0 2 2 4 4 . 5 6 1 3 0 2 2 4 4 . 5 6 1 3 0 2 2 4 4 . 5 6 1 3 0 2 2 4 1 . 3 4 5 3 0 2 2 3 9 . 8 7 6 3 0 2 2 3 3 . 1 4 7 3 0 2 2 2 6 . 8 1 5 3 0 2 2 2 0 . 9 2 2	5 8 3 5 2 5 6 . 9 2 7 5 8 3 5 2 5 6 . 5 1 1 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 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 6 7 . 7 6 5 5 8 3 5 2 6 2 . 6 1 7 5 8 3 5 2 6 2 . 6 1 7 5 8 3 5 2 6 2 . 6 1 7 5 8 3 5 2 6 2 . 6 1 7 5 8 3 5 2 6 2 . 6 1 7	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 4 1 2 1 7 . 6 3 2 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
3 / T 8	4	302220.922	5835256.973	2 1 8 . 4 2 9 2 1 8 . 9 1 5
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T 1 T 2 T 4 T 5 T 6	- T 2 1 0 0 - T 3 1	. 4 5 0 1 6 . 0 2 6 . 5 5 0 1 . 2 3 0 . 4 5 0 1 . 9 2 4 . 4 5 0 15 . 8 2 1 . 4 5 0 6 . 6 1 1	16.010 0.31 1.198 0.12 1.875 0.18 15.690 0.87	0 . 0 8 0 0 . 0 3 0 3 7 - 0 . 0 4 7 9 - 0 . 2 2 0 7 2 - 0 . 1 4 4



ALIGNMENT U

			
	D EASTING		
U 1		5835256.145	
U 2	302214.324	5835262.781	2 1 8 . 1 3 4
U 3	302213.303	5835263.349	218.088
U 4	302216.952	5835263.518	2 1 8 . 0 5 4
U 5	302218.599	5835264.416	217.983
U 6	302220.478	5835266.745	2 1 7 . 8 4 2
1 / 4	302222.770	5835269.930	2 1 7 . 7 1 2
1 / 2	302224.695	5835273.348	217.614
3 / 4	302226.231	5835276.959	2 1 7 . 5 1 6
U 7	302227.359	5835280.717	2 1 7 . 4 1 8
1 / 4	302227.615	5835282.589	2 1 7 . 3 7 0
1 / 2	302227.493	5835284.474	217.323
	302226.999	5835286.298	217.287
U 8	302226.152		2 1 7 . 2 6 5
1 / 4		5835294.731	
1 / 2		5835301.072	
3 / 4		5835306.966	217.635
U 9			
0 /	302204.370	5055512.515	210.000
CURVE	RADIUS ARC L	CHORD MID	ORD QTR ORD
	1.550 1.217		18 0.030
	2.450 1.924		36 -0.047
U 6 – U 7			66 - 0 . 2 1 7
	9.450 7.570		-0.217
00-09	100.450 32.826	52.001 1.33	0 - 0 . 3 3 5



ALIGNMENT U

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tion	В	CARPARKS EXTENDED	M.T-S	22/12/23	
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tile	Rev	Amendments	Approved	Date	





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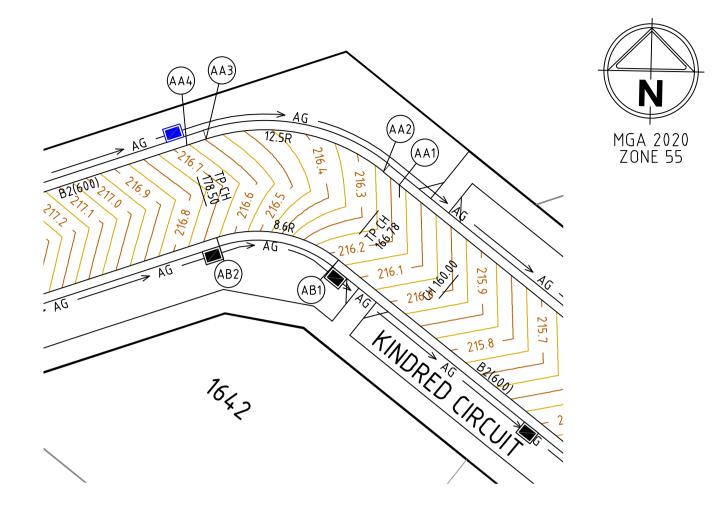
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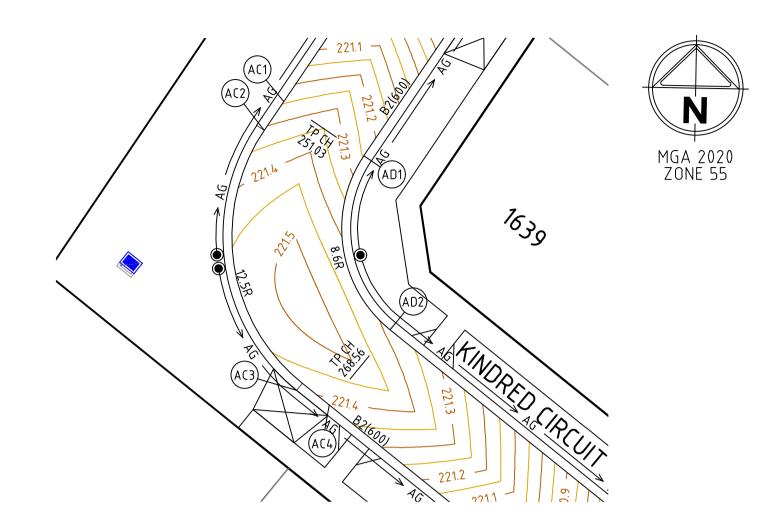
VI	GWOC properties
Communit	ies Designed for Living
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properties Communities Designed for Living	Your world awaits
Designed H.HOGGARD	Checked J.POYNER
Authorised J.POYNER	Date APRIL 2024

Redstone。

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





ALIGNMENT AD

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CURVE

POINT NO EASTING NORTHING RL

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302141.553 5835484.350 221.343

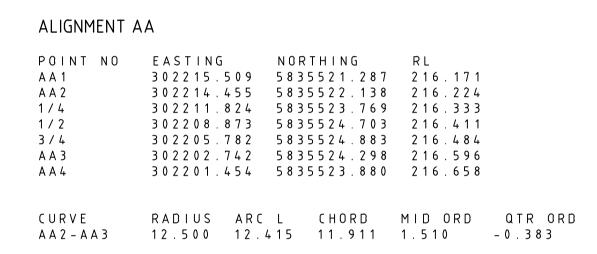
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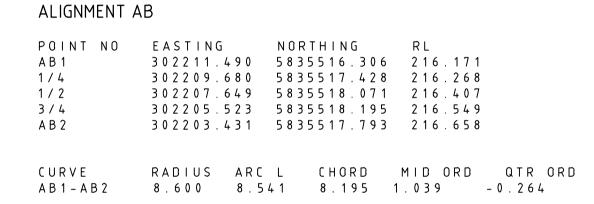
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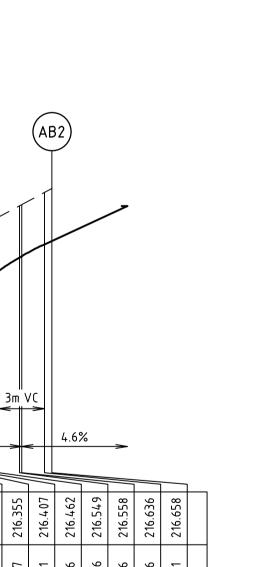
302144.540 5835475.759 221.385

AD1-AD2 8.600 12.778 11.634 2.266 -0.586

RADIUS ARC L CHORD MID ORD QTR ORD







ALIGNMENT AB

VERTICAL GEOMETRY

DESIGN GRADELINE

DESIGN LEVEL

CHAINAGE

DATUM RL 215.0

C U R V E A C 2 – A C 3	R A D I U S 12.500	ARC L 18.572	C H O R D 16.910	M I D O R D 3 . 2 9 3	Q T R O R D - 0 . 8 5 2	
		AC1	2)		AC3 AC4	
VERTICAL GEOMETRY		_		20m VC	>	
DESIGN GRADELINE	<		3%	>	-1.4%	
DATUM RL 220.0						
DESIGN LEVEL		221.244	221.310	221.451 221.458 221.466	221.461 221.421 221.417 221.385	

NORTHING RL

302137.510 5835490.847 221.244

302136.226 5835488.944 221.310

302134.393 5835484.707 221.408

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 221.461

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 221.417

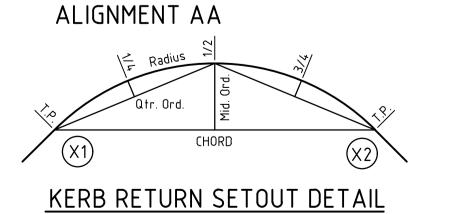
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ALIGNMENT AC			
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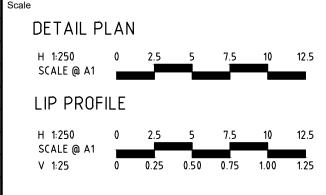
	A	D1)						AD2	2)	7
VERTICAL GEOMETRY			•	8.	5m V	C	>			
DESIGN GRADELINE	~	3.1%			><		-	1.42%	6	→
DATUM RL 220.0										
DESIGN LEVEL	221.244	221.333	221.343	221.409	221.417	221.423	221.421	221.404	221.385	
CHAINAGE	0.000	2.874	3.194	6.389	7.124	8.703	9.583	11.374	12.778	

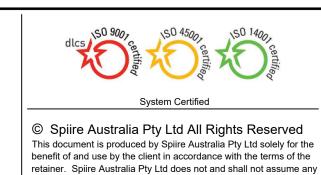
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		(A)	A1)		1	/	1	_		_				
						_				15				
VERTICAL GEOMETRY				~	Sm V (<	5m V	<u>'</u>	1			
DESIGN GRADELINE	<	3.9	%		><		2.2%	;		<	4.6	53%		>
DATUM RL 215.0						[_	_
DESIGN LEVEL		216.171	216.224	216.241	216.328	216.333	216.394	216.411	216.448	216.484	216.518	216.596	216.619	216.658
CHAINAGE		0.00.0	1.355	1.806	4.306	4.458	6.806	7.562	9.270	10.666	11.770	13.770	14.270	15.124



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CHAINAGE

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A C 3

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POINT NO EASTING

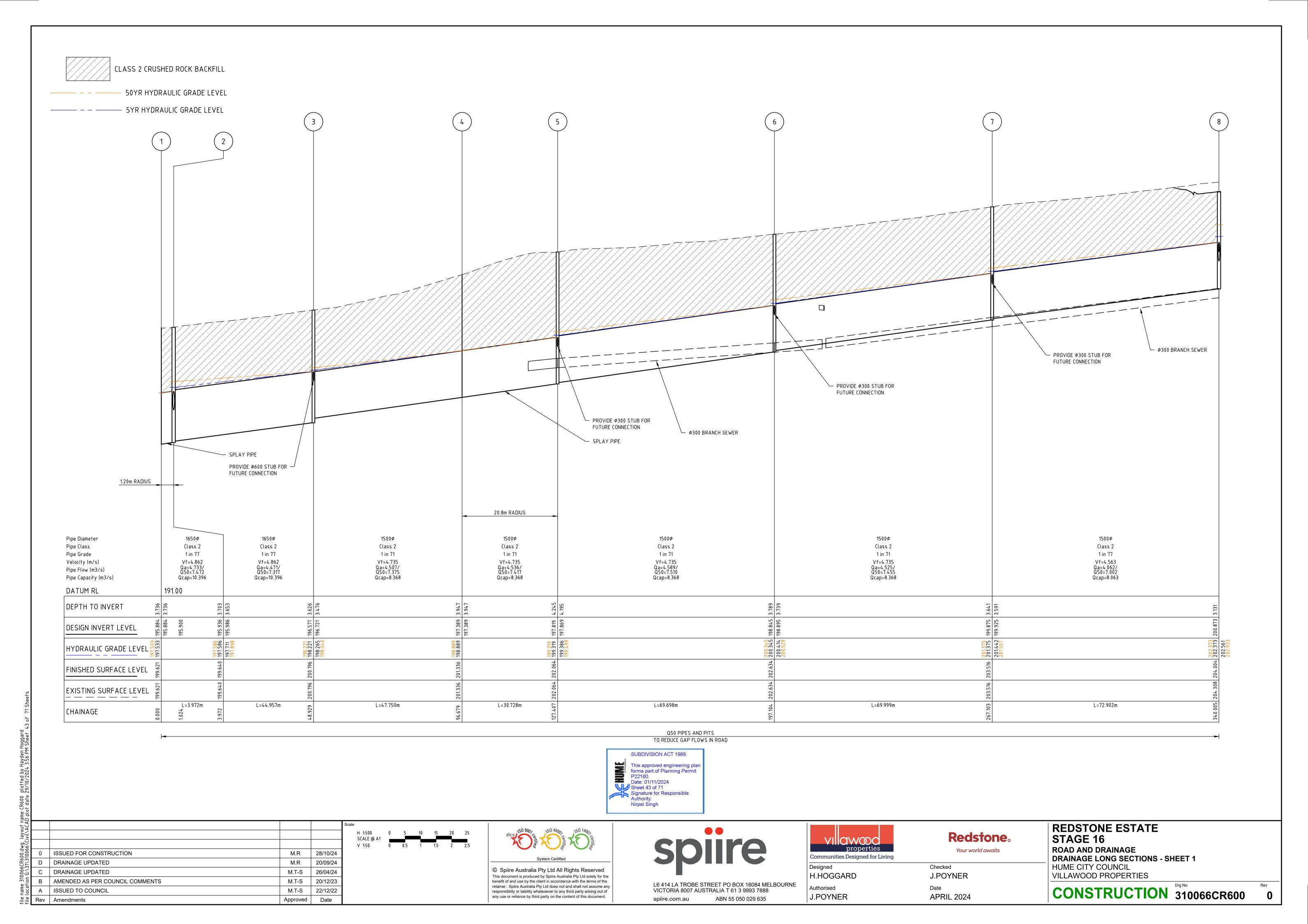
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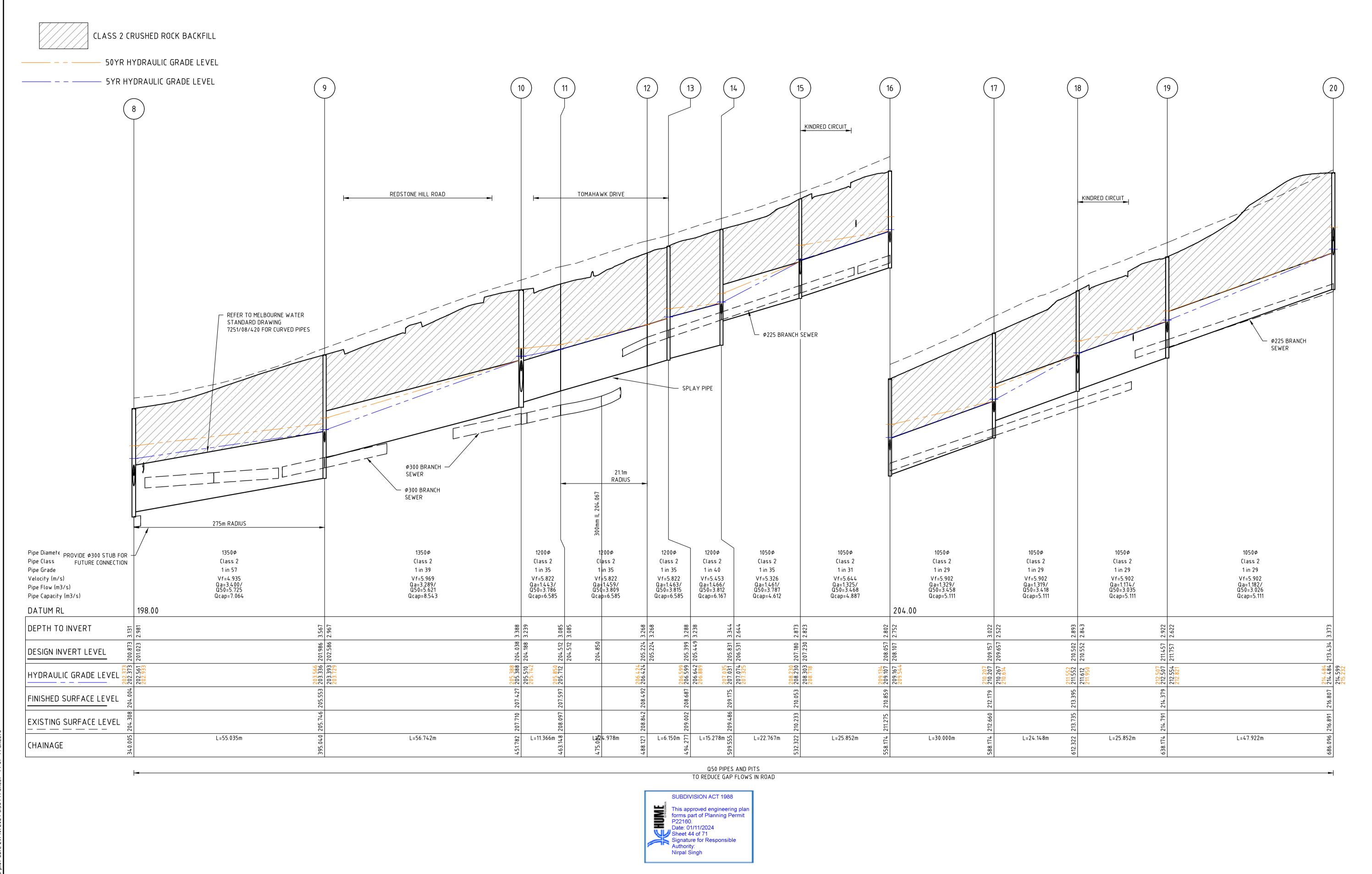
properties	Your wo
Communities Designed for Living	
Designed	Checked
H.HOGGARD	J.POYNER
Authorised	Date
J.POYNER	APRIL 2024

Redstone.

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





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L6 414 LA TROBE STREET PO BOX 16084 MELBOURNE

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M.T-S

Approved

28/10/24

20/09/24

26/04/24

20/12/23

22/12/22

Date

REDSTONE ESTATE

DRAINAGE LONG SECTIONS - SHEET 2

CONSTRUCTION 310066CR601

ROAD AND DRAINAGE

VILLAWOOD PROPERTIES

HUME CITY COUNCIL

STAGE 16

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Date

J.POYNER

APRIL 2024

properties

Communities Designed for Living

Designed

Authorised

J.POYNER

H.HOGGARD

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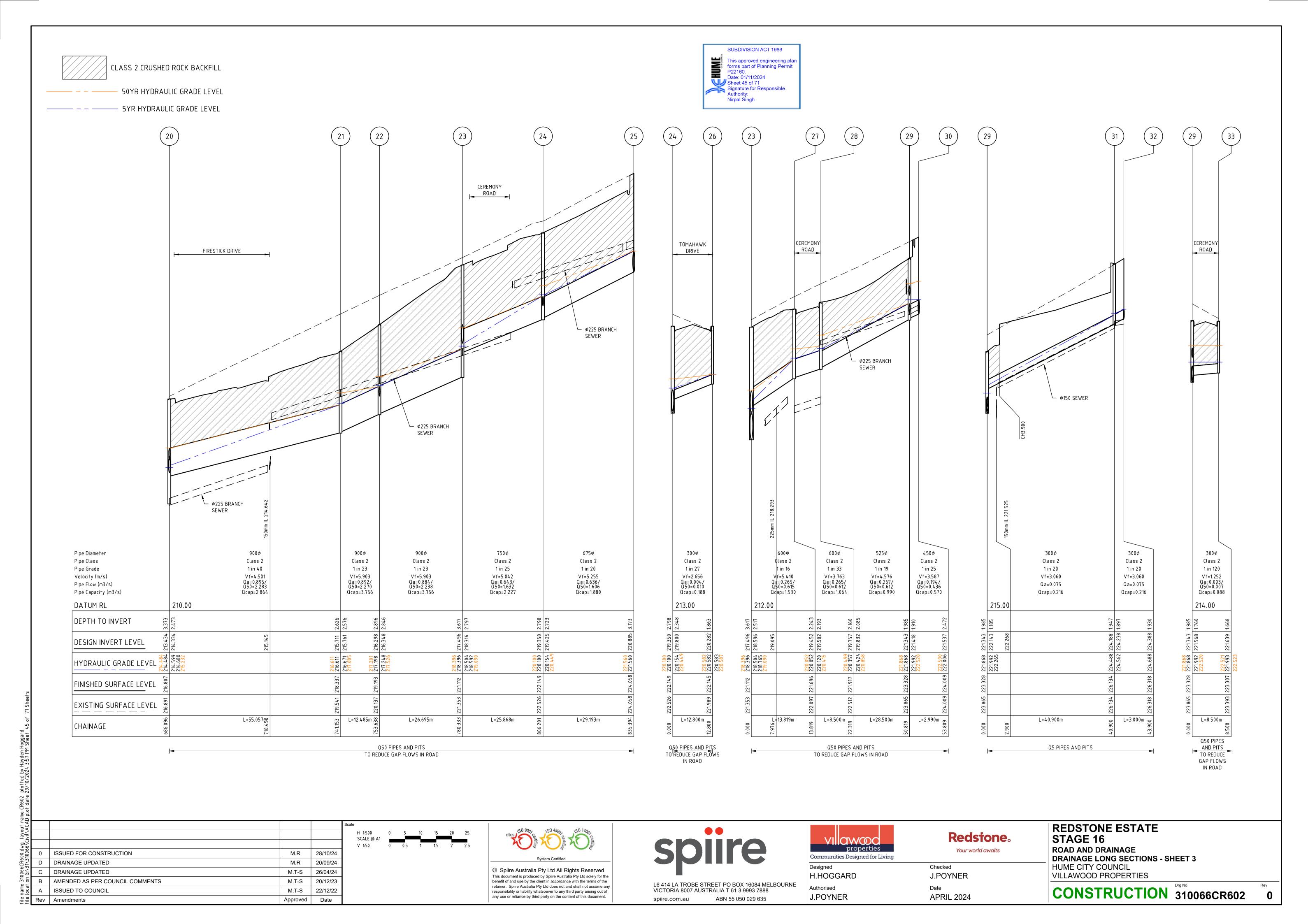
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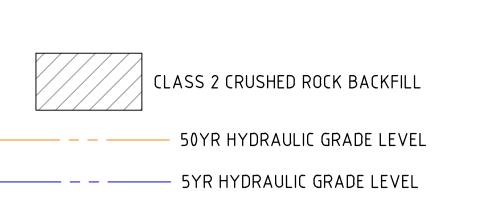
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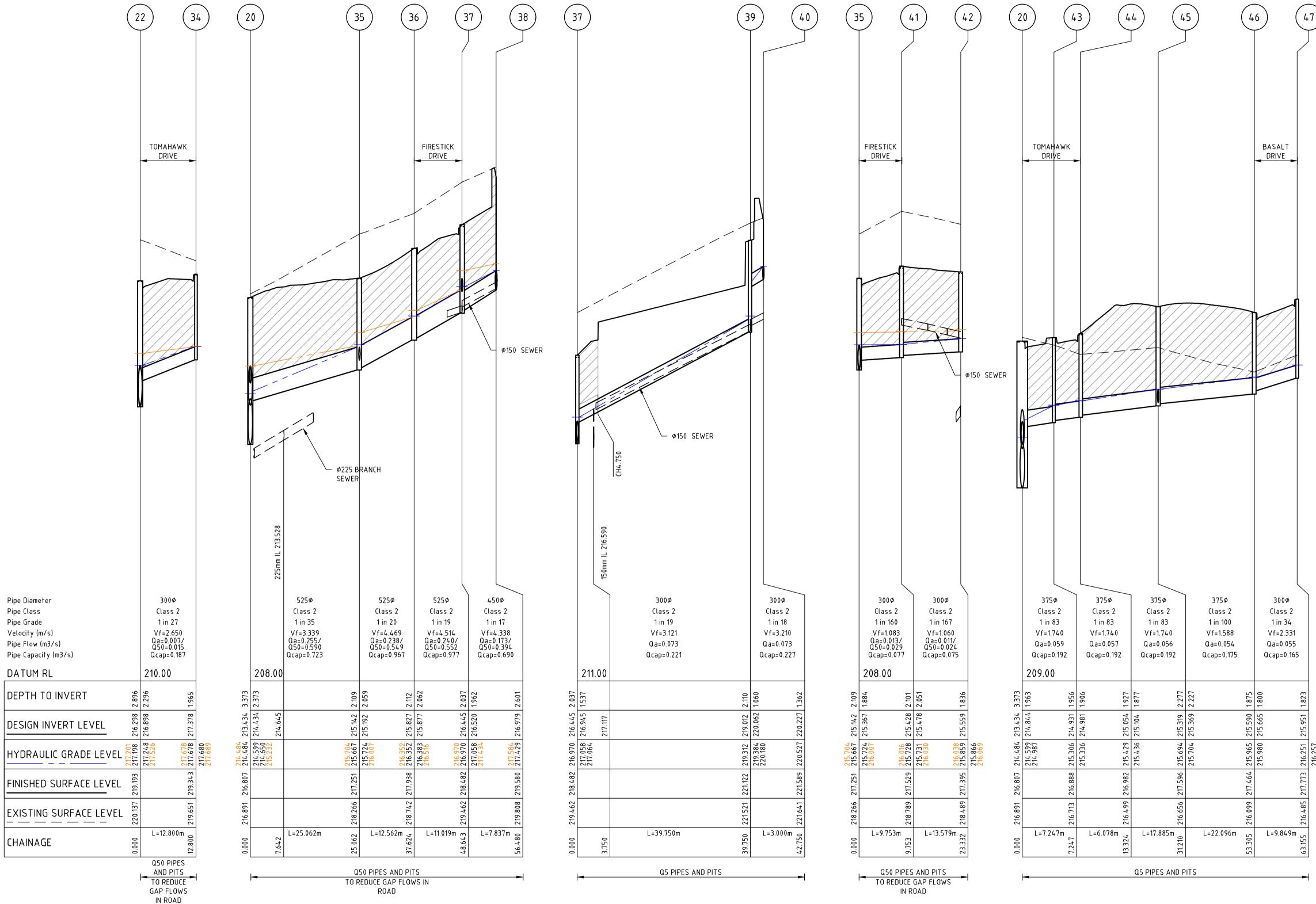
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Rev Amendments

DRAINAGE UPDATED









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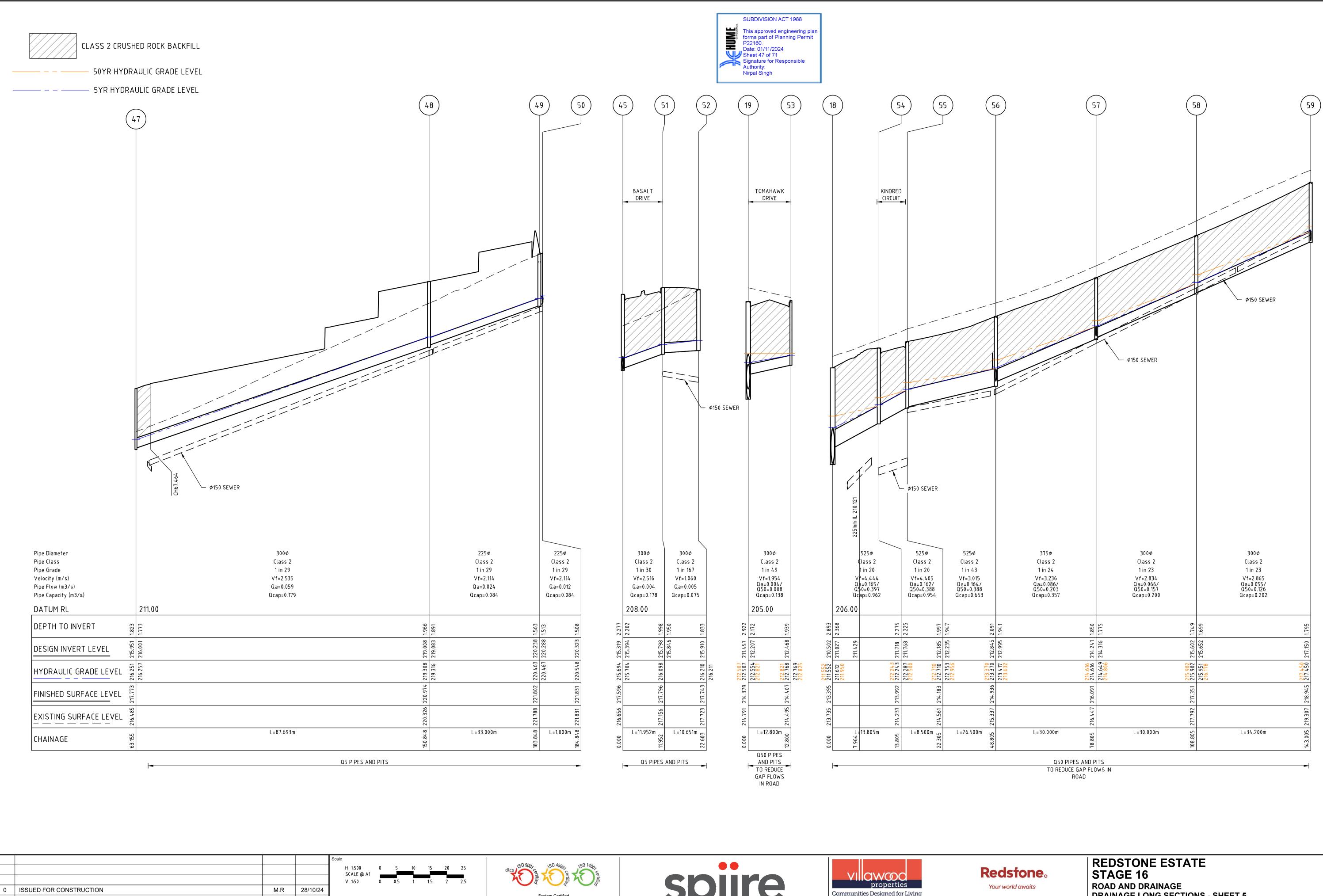
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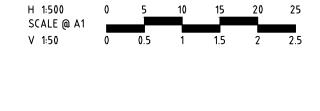
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Checked J.POYNER APRIL 2024 **REDSTONE ESTATE** STAGE 16 ROAD AND DRAINAGE DRAINAGE LONG SECTIONS - SHEET 4 HUME CITY COUNCIL VILLAWOOD PROPERTIES



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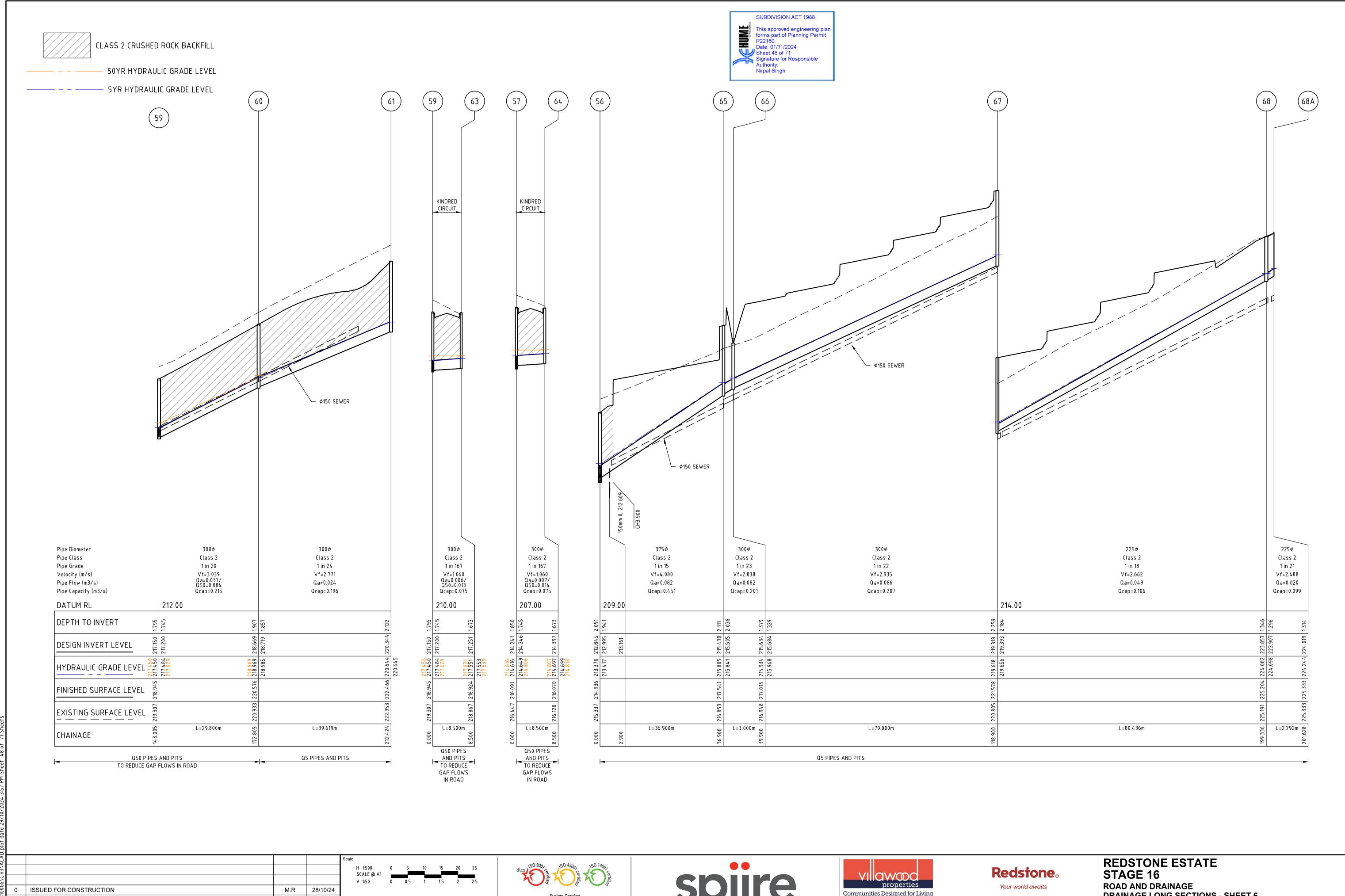
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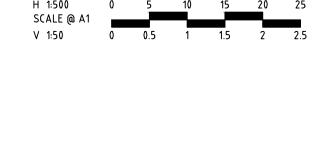
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J.POYNER	APRIL 2024

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



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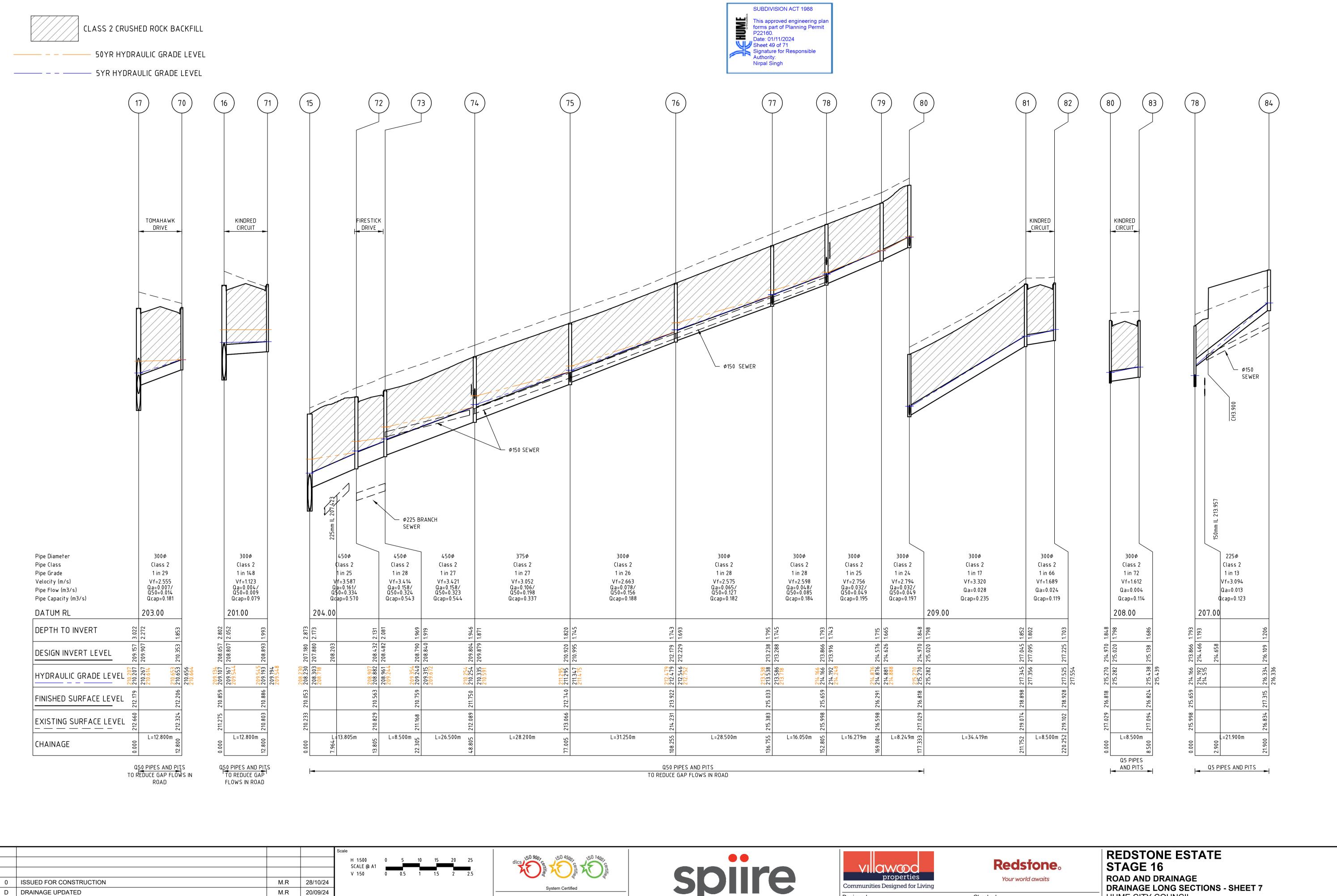
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APRIL 2024

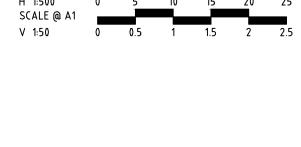
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DRAINAGE LONG SECTIONS - SHEET 6 HUME CITY COUNCIL VILLAWOOD PROPERTIES



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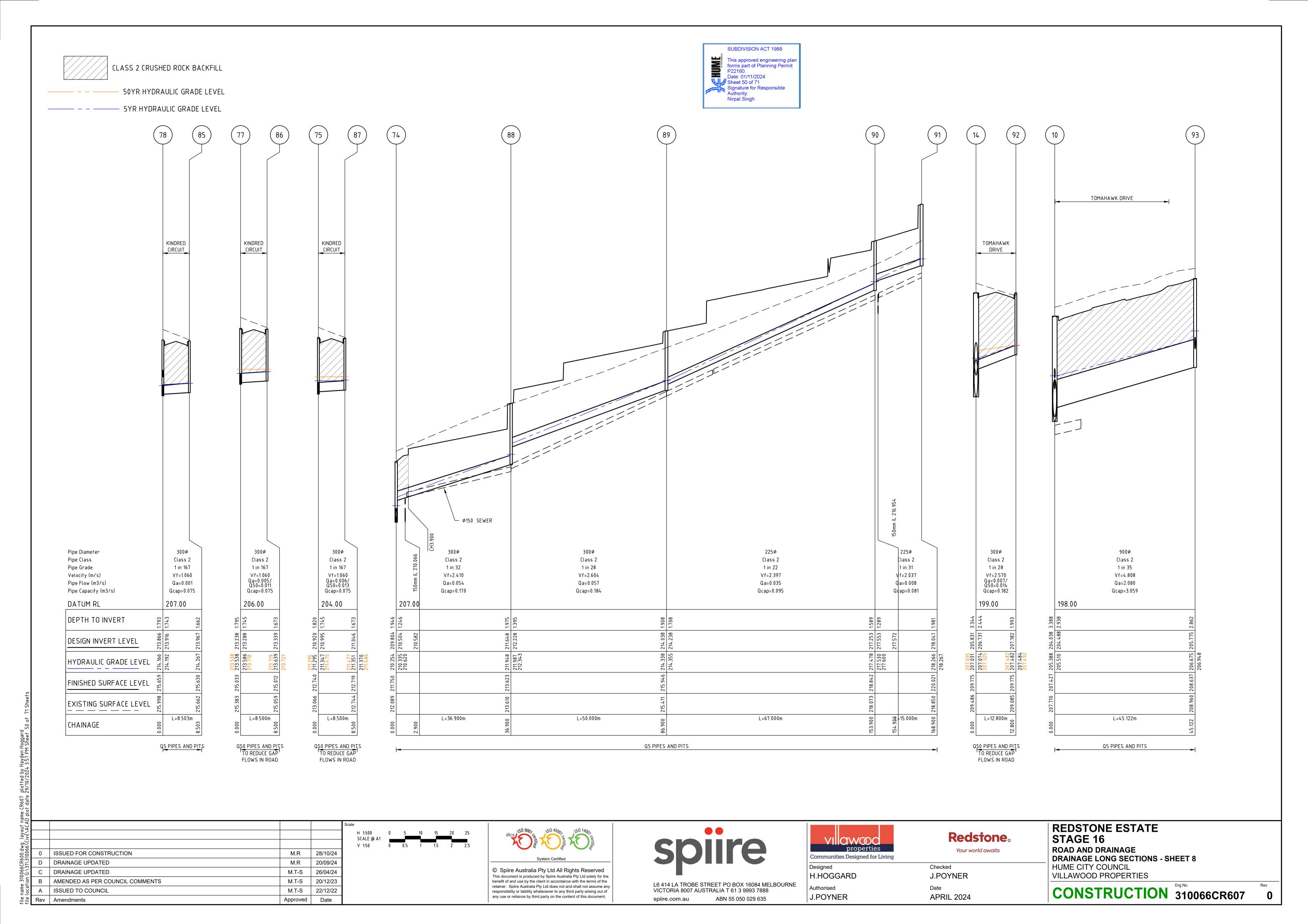
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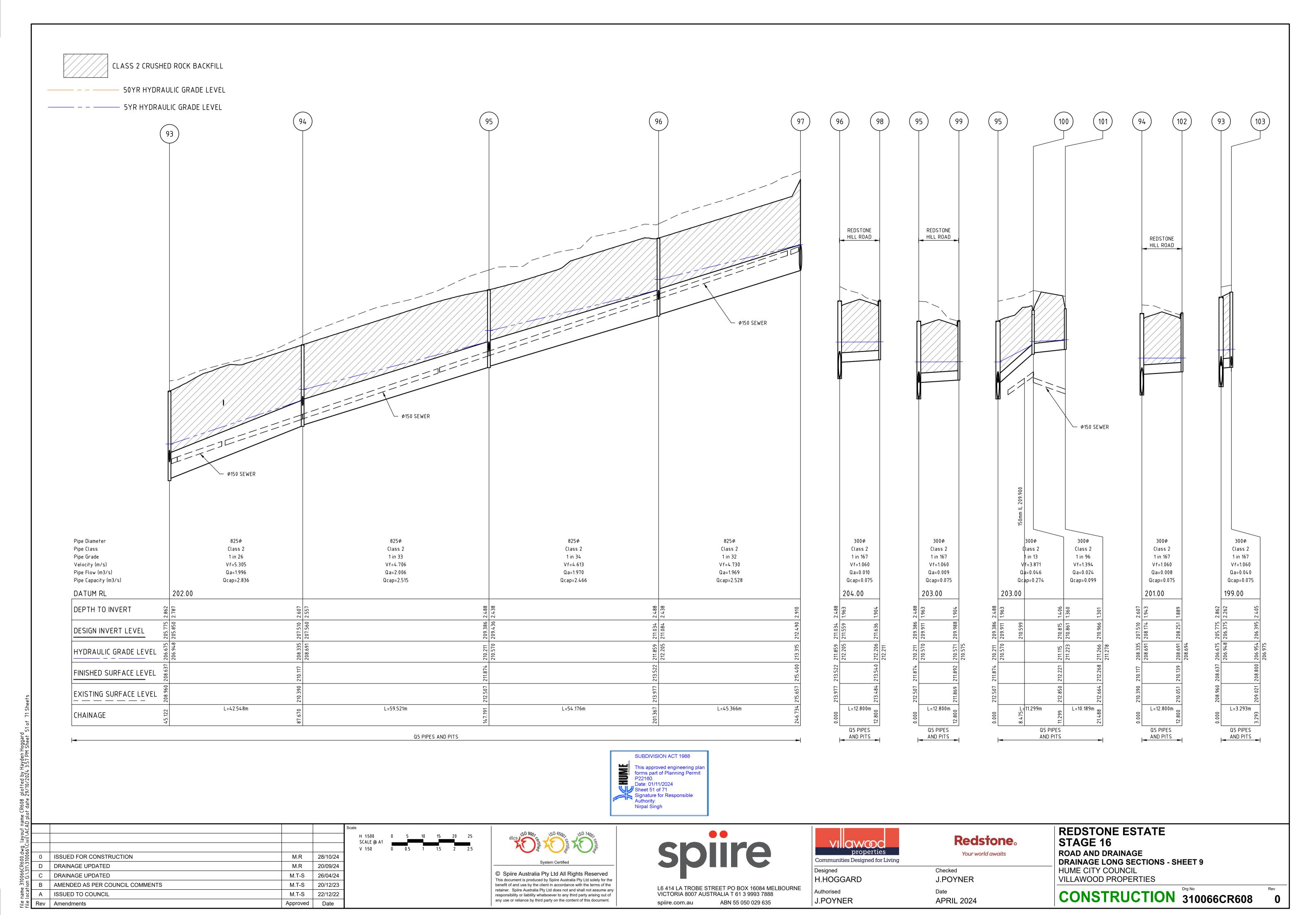


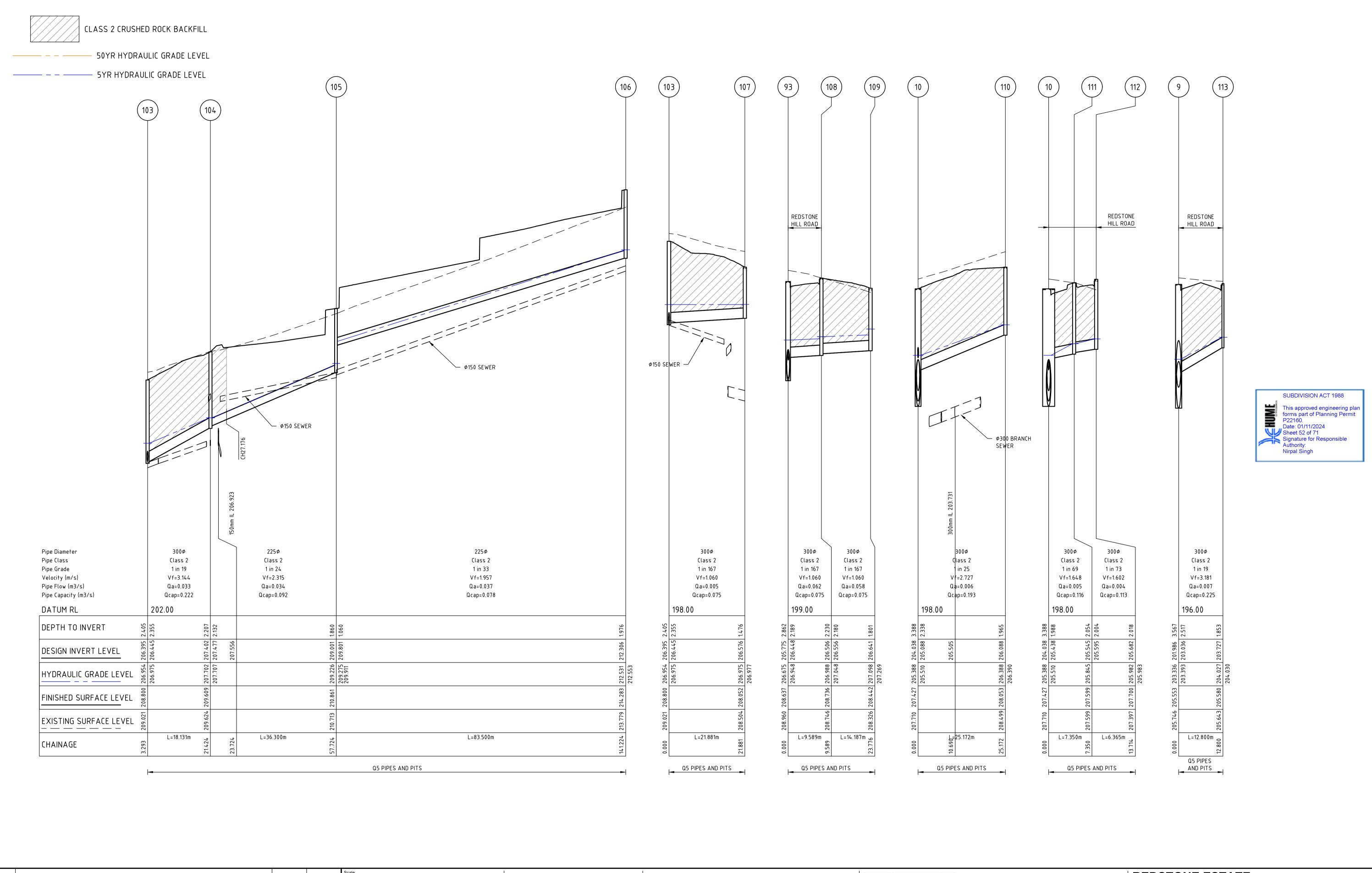
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Checked J.POYNER Date APRIL 2024 DRAINAGE LONG SECTIONS - SHEET 7 **HUME CITY COUNCIL** VILLAWOOD PROPERTIES

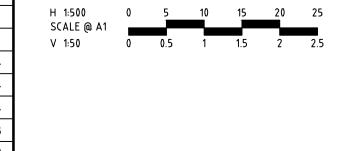






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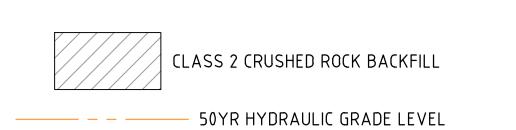


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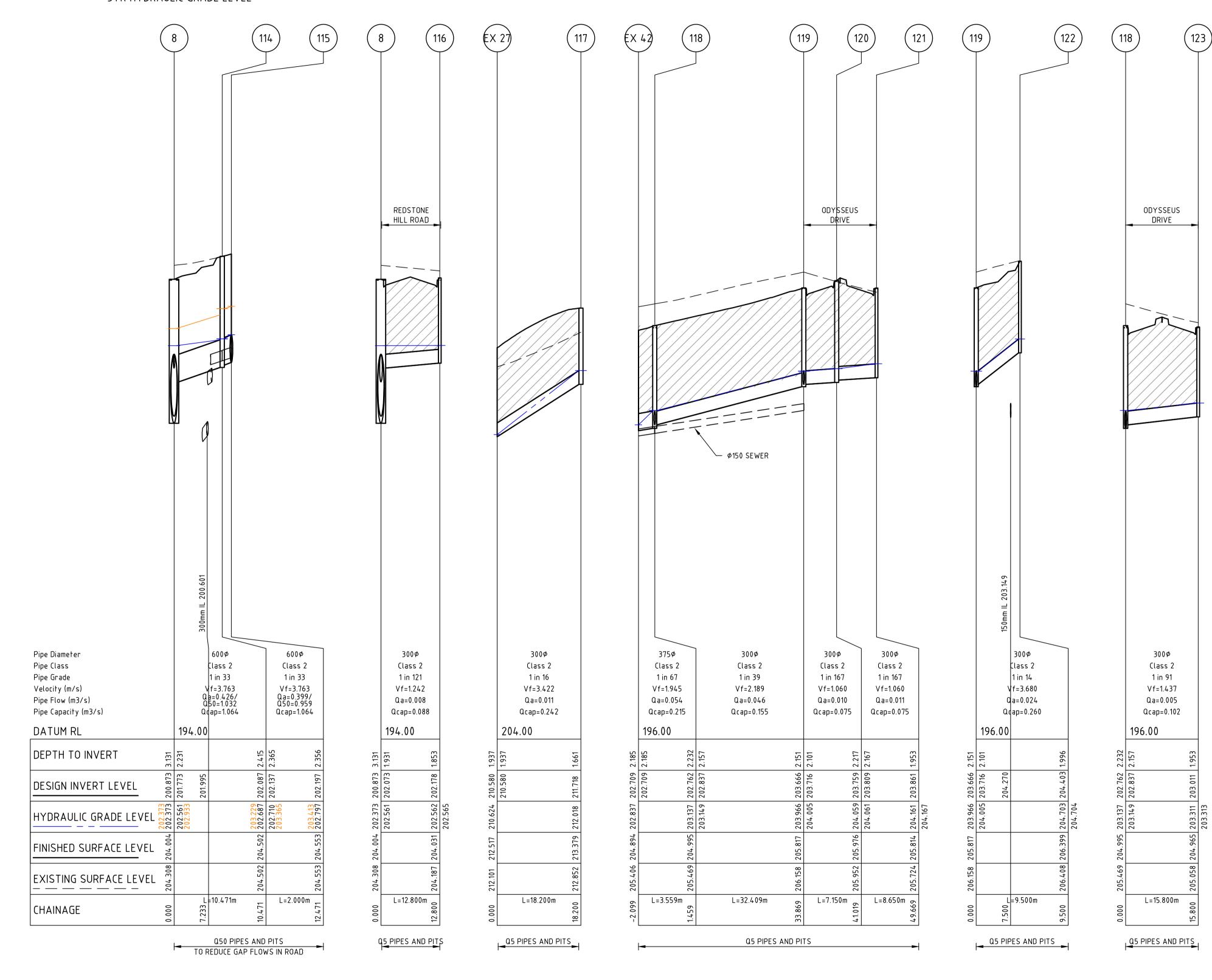
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REDSTONE ESTATE
STAGE 16
ROAD AND DRAINAGE
DRAINAGE LONG SECTIONS - SHEET 10
HUME CITY COUNCIL
VILLAWOOD PROPERTIES



- 5YR HYDRAULIC GRADE LEVEL





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	REDSTONE ESTATE STAGE 16
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Part		PIT	INTE	RNAL	11	NLET	(DUTLET	PIT	Γ	REMARKS
Part	NAME	TYPF	WIDTH	LENGTH	DIA	INV I FVFI	DIA	INV I FVFI	FSIFVFI	DEPTH	
Marchaell							<i>D171</i>	1111 22 122			
Marchard 1946 1930 1949 194	2	JUNCTION PIT	2250	1050			1650	195.936	199.640	3.703	REFER TO EDCM STD FIG 608
	3	JUNCTION PIT	2250	900		<u> </u>	1650	196.571	200.196	3.626	REFER TO EDCM STD FIG 608. FUTURE GSEP
1.					300	197.921					
A	-		<u> </u>	-						<u> </u>	REFER TO EDOM STD FIG 608 FUTURE GSEP
August Bay B		Jonethort	2100	700			1500	177.017	202.004	4.243	NET EN TO EBETT STB TIE 300. TO TONE GSET
Section 197 50	6	JUNCTION PIT	2100	900		<u> </u>	1500	198.845	202.634	3.789	REFER TO EDCM STD FIG 608. FUTURE GSEP
Control of pre-pre-pre-pre-pre-pre-pre-pre-pre-pre-	7	JUNCTION PIT	2100	900			1500	199.875	203.516	3.641	REFER TO EDCM STD FIG 608. FUTURE GSEP
		CDATED CIDE ENTRY DIT	2100	1050			1500	200 072	207.007	2 121	DEFED TO EDOM CTD FIG COA AND COA HEAVY DUTY LID
Section Color Co	•	GRATED SIDE ENTRY PIT	2100	1050		<u> </u>	1500	200.073	204.004	3.131	REFER TO EDCH STD FIG 601 AND 607. HEAVT DOTT LID
CALIE SECURITY 190		CDATED CIDE SUTDY DIT	4000	200			425.0	204.006	005.550	25/7	
MARTINEST 1948 1948 1949 19	9	GRATED SIDE ENTRY PIT	1800	900			1350	201.986	205.553	3.567	REFER TO EDCM STD FIG 601 AND 607
1906 1906 1906 1907 1906 1907	10	GRATED SIDE ENTRY PIT	3300	1350		204.188	1350	204.038	207.427	3.388	REFER TO EDCM STD FIG 603 AND 607
PAGE 1966 1967 1968 1969											
Process Proc					300	205.438					
30 SATE CORE Name 1989 990 990 930 931 2254.39 121 223.90 298.47 528.00 324.07 526.00 40.07 1.07										.	
Statistical										-	REFER TO EDCM STD FIG 601 AND 607
VALUED OF 1959 993 1951 2022 2090 2097 209	14	DOUBLE SIDE ENTRY PIT	1650	900		<u> </u>	1200	205.831	209.175	3.344	REFER TO EDCM STD FIG 602 AND 607
Second Configuration 1999 1999 1724 1975 251 22.987 27.889 2.892 1877.55 DECONTROL SSA AND GET 1990 1990 299.55	15	JUNCTION PIT	1350	900			1050	207.180	210.053	2.873	REFER TO EDCM STD FIG 607
1						<u> </u>					
172 COURT SOR PATE PT 1952 1960 1960 229-571 1963 229-572 229-595 220-595	16	DOUBLE SIDE ENTRY PIT	1350	900			1050	208.057	210.859	2.802	REFER TO EDCM STD FIG 602 AND 607
AMERICAN 1959 992 1965 298.552 29.552 29.555 28.95 MERCA TO DEDICATOR SIGN CAMP	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
Second Color Difference 155 87 1227 Second Color 155 155 17757 Second Color 155 17757 Second Color 155 17757 Second Color 155 155 15757 Second Color 155	18	ILINCTION PIT	1350	900			1050	210 5.02	213 395	2 893	DEEED TO EDOM STD EIG 607
20 DOUGLE SIDE CHITY PIT 2540 510 590 591 391	10	JONETION 1 11	1000	700			1000	210.502	213.373	2.073	NETER TO EBETT STB TIG 007
200 DOUBLE SIDE CHTY PT 200 990 994 29-338 959 20-3434 28-877 27-33 REFRET OF EIGHT STD TIS GREAN AND STOTE	19	DOUBLE SIDE ENTRY PIT	1350	900			1050	211.457	214.379	2.922	REFER TO EDCM STD FIG 602 AND 607
21 COURT SOC ENTRY PIT 190 960 190 215 215 315 215 315 216 215 317 216 317 216 317 318	20	DOUBLE SIDE ENTRY PIT	2400	900		-	1050	213.434	216.807	3.373	REFER TO EDCM STD FIG 604 AND 607
221 DOUBLE SIDE ENTRY PTT											
23 JUNE TOWNER 1200 900 750 728.98 1 1 1 1 1 1 1 1 1	21	DOUBLE SIDE ENTRY PIT	1200	900			900	215.711	218.337	2.626	REFER TO EDCM STD FIG 602 AND 607
AMCHON PT	22	DOUBLE SIDE ENTRY PIT	1200	900			900	216.298	219.193	2.896	REFER TO EDCM STD FIG 602 AND 607
	23	JUNCTION PIT	1200	900			900	217.496	221.112	3.617	REFER TO EDCM STD FIG 608
300 279.890 379.890			1200		600	218.596					
BOUNDER SIDE ENTEY PIT 60 90 90 90 90 90 90 90	24	DOUBLE SIDE ENTRY PIT	1050	900			750	219.350	222.149	2.798	REFER TO EDCM STD FIG 602 AND 607
20 DOUBLE SIDE ENTRY PT	25	ENDPIPE	0	0	300	217.000	675	220.885	224.058	3.173	BLANK END WITH MARINE PLY
27 DUMBLE SIDE ENTRY PIT 900 900 900 525 525 525 525 22 22 188 22 22 38 REFER TO EDICK SID FIG 647 AND 6407	26	DOUBLE SIDE ENTRY DIT	600	900	675	220.885	300	220.282	222.1/.5	1 863	DEEED TO EDOM STD EIG 602 AND 605
29 OUBLE SIDE ENTRY PIT 900 960 456 221.43 525 221.343 223.328 1.985 REFER TO BOOM STD PIG 602 AND 695					600	219.502					
Section 190										<u> </u>	
NOPPE 0	29	DOODLE SIDE ENTRY PIT	900	900			525	221.343	223.320	1,905	REFER TO EDCM STD FIG 602 AND 605
1	30	ENDOIDE.			300	221.568	150	004 5 3 7	201.000	0.470	DI ANK END VITH MADINE DI V
30	30	ENDPIPE	0	0	450	221.537	450	221.537	224.009	2.412	BLANK END WITH MARINE PLY
300 224.388				-	300	224.238				-	
33 GRATED SIDE ENTRY PIT 600 900 300 2215.99 223.307 16.68 REFER TO EDION STD FIG 601 AND 605 300 217.378 219.343 1965 REFER TO EDION STD FIG 602 AND 605 300 217.378 219.343 1965 REFER TO EDION STD FIG 602 AND 605 300 217.378 219.343 1965 REFER TO EDION STD FIG 602 AND 605 300 217.378 219.343 1965 REFER TO EDION STD FIG 602 AND 605 300 215.367 300 215.367 300 215.367 300 215.367 300 215.367 300 215.367 300 215.367 300 215.367 300 215.367 300 215.367 300 216.545 300 216.	32	ENDPIPE	0	0	300	224.388	300	224.388	226.318	1.930	BLANK END WITH MARINE PLY
35 DOUBLE SIDE ENTRY PIT 1050 900 525 215.192 525 215.192 525 215.142 217.251 2.109 REFER TO EDCM STD FIG 602 AND 607										<u> </u>	
300 215.367 525 215.877 271.938 2.112 REFER TO EDCM STD FIG 607. HEAVY DUTY LID					525	215.192					
37 DOUBLE SIDE ENTRY PIT 900 1050 450 216.520 525 216.445 218.482 2.037 REFER TO EDCM STD FIG 602 AND 607					300	215.367					
300 216.945										<u> </u>	
39 JUNCTION PIT 600 900 300 220.062 300 219.012 221.122 2.110 REFER TO EDCM STD FIG 607			700	,,,,,							
39	38	ENDPIPE	0	0	7.50	216 979	450	216.979	219.580	2.601	BLANK END WITH MARINE PLY
300 220.227	39	JUNCTION PIT	600	900			300	219.012	221.122	2.110	REFER TO EDCM STD FIG 607
41 GRATED SIDE ENTRY PIT 900 900 300 215.478 300 215.428 217.529 2.101 REFER TO EDCM STD FIG 601 AND 607 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 43 GRATED SIDE ENTRY PIT 600 900 375 215.104 375 215.054 216.982 1.927 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 900 900 375 215.394 217.596 2.277 REFER TO EDCM STD FIG 607 46 JUNCTION PIT 750 900 300 215.665 375 215.90 217.464 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 GRATED JUNCTION PIT 600 900 225 220.288 225 220.238 221.800 1.562 REFER TO EDCM STD FIG 605 AND HUME STD FIG 225 50 ENDPIPE 0 0 0 225 220.323 221.831 1.508 BLANK END WITH MARINE PLY 51 JUNCTION PIT 600 900 300 215.846 300 215.798 217.796 1.998 REFER TO EDCM STD FIG 605 52 GRATED SIDE ENTRY PIT 600 900 300 215.846 300 215.910 217.743 1.833 REFER TO EDCM STD FIG 605 53 DOUBLE SIDE ENTRY PIT 600 900 300 215.846 300 212.468 214.407 1.939 REFER TO EDCM STD FIG 602 AND 605	40	ENDPIPE	0	0	200	220 227	300	220.227	221.589	1.362	BLANK END WITH MARINE PLY
43 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 750 900 300 215.394 47 JUNCTION PIT 600 900 300 216.601 300 215.951 217.773 1.823 REFER TO EDCM STD FIG 607 48 JUNCTION PIT 600 900 225 219.083 300 219.008 220.974 1.966 REFER TO EDCM STD FIG 605 49 GRATED JUNCTION PIT 600 900 225 220.288 225 220.238 221.800 1.562 REFER TO EDCM STD FIG 605 AND HUME STD FIG 225 50 ENDPIPE 0 0 0 225 220.323 221.831 1.508 BLANK END WITH MARINE PLY 51 JUNCTION PIT 600 900 300 215.846 300 215.910 217.743 1.833 REFER TO EDCM STD FIG 605 52 GRATED SIDE ENTRY PIT 600 900 300 215.846 300 215.910 217.743 1.833 REFER TO EDCM STD FIG 605 AND 605 53 DOUBLE SIDE ENTRY PIT 600 900 300 212.468 214.407 1.939 REFER TO EDCM STD FIG 603 AND 605	41	GRATED SIDE ENTRY PIT	900	900			300	215.428	217.529	2.101	REFER TO EDCM STD FIG 601 AND 607
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 750 900 300 215.665 375 215.590 217.464 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 GRATED JUNCTION PIT 600 900 225 220.288 225 220.238 221.800 1.562 REFER TO EDCM STD FIG 605 AND HUME STD FIG 225 50 ENDPIPE 0 0 225 220.323 221.321 1.508 BLANK END WITH MARINE PLY </td <td></td> <td></td> <td></td> <td> </td> <td>275</td> <td>04/ 001</td> <td></td> <td></td> <td></td> <td></td> <td></td>				 	275	04/ 001					
1				· · · · · · · · · · · · · · · · · · ·						-	
46 JUNCTION PIT 750 900 300 215.665 375 215.590 217.464 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 GRATED JUNCTION PIT 600 900 225 220.288 225 220.238 221.800 1.562 REFER TO EDCM STD FIG 605 AND HUME STD FIG 225 50 ENDPIPE 0 0 225 220.323 221.831 1.508 BLANK END WITH MARINE PLY 51 JUNCTION PIT 600 900 300 215.798 217.796 1.998 REFER TO EDCM STD FIG 605 52 GRATED SIDE ENTRY PIT 600 900 300 215.910 217.743 1.833 REFER TO EDCM STD FIG 602 AND 605 53 DOUBLE SIDE ENTRY PIT 600				 	375	215.369				<u> </u>	
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 GRATED JUNCTION PIT 600 900 225 220.288 225 220.238 221.800 1.562 REFER TO EDCM STD FIG 605 AND HUME STD FIG 225 50 ENDPIPE 0 0 225 220.323 221.831 1.508 BLANK END WITH MARINE PLY 51 JUNCTION PIT 600 900 300 215.846 300 215.798 217.796 1.998 REFER TO EDCM STD FIG 605 52 GRATED SIDE ENTRY PIT 600 900 300 215.910 217.743 1.833 REFER TO EDCM STD FIG 603 AND 605 53 DOUBLE SIDE ENTRY PIT 600 900 300 212.468 214.407 1.939 REFER TO EDCM STD FIG 602 AND 605	46	JUNCTION PIT	750	900		<u> </u>	375	215.590	217.464	1.875	REFER TO EDCM STD FIG 607
49 GRATED JUNCTION PIT 600 900 225 220.288 225 220.238 221.800 1.562 REFER TO EDCM STD FIG 605 AND HUME STD FIG 225 50 ENDPIPE 0 0 225 220.323 221.831 1.508 BLANK END WITH MARINE PLY 51 JUNCTION PIT 600 900 300 215.846 300 215.798 217.796 1.998 REFER TO EDCM STD FIG 605 52 GRATED SIDE ENTRY PIT 600 900 300 215.910 217.743 1.833 REFER TO EDCM STD FIG 603 AND 605 53 DOUBLE SIDE ENTRY PIT 600 900 300 212.468 214.407 1.939 REFER TO EDCM STD FIG 602 AND 605	47	JUNCTION PIT	600	900	300	216.001	300	215.951	217.773	1.823	REFER TO EDCM STD FIG 605
50 ENDPIPE 0 0 225 220.323 221.831 1.508 BLANK END WITH MARINE PLY 51 JUNCTION PIT 600 900 300 215.846 300 215.798 217.796 1.998 REFER TO EDCM STD FIG 605 52 GRATED SIDE ENTRY PIT 600 900 300 215.910 217.743 1.833 REFER TO EDCM STD FIG 603 AND 605 53 DOUBLE SIDE ENTRY PIT 600 900 300 212.468 214.407 1.939 REFER TO EDCM STD FIG 602 AND 605				 						1	
51 JUNCTION PIT 600 900 300 215.846 300 215.798 217.796 1.998 REFER TO EDCM STD FIG 605 52 GRATED SIDE ENTRY PIT 600 900 300 215.910 217.743 1.833 REFER TO EDCM STD FIG 603 AND 605 53 DOUBLE SIDE ENTRY PIT 600 900 300 212.468 214.407 1.939 REFER TO EDCM STD FIG 602 AND 605				+		220.200				-	
52 GRATED SIDE ENTRY PIT 600 900 300 215.910 217.743 1.833 REFER TO EDCM STD FIG 603 AND 605 53 DOUBLE SIDE ENTRY PIT 600 900 300 212.468 214.407 1.939 REFER TO EDCM STD FIG 602 AND 605	E1	HINCTION DIT	400	900			300	215 700	217 704	1000	DEEED TO EDOM STO EIG 40G
				 	۷۷۷	Z 13.040				<u> </u>	
עט אין איני באר איני איני אוען איני איני איני איני איני איני איני אינ				+	ESE	241 740				<u> </u>	
	<u> </u>	DOODEL SIDE ENTRY PH	700	700	525	<u> </u>	7/3	<u> </u>	<u> </u>	2.215	MELEK TO EDCH STD FIN DUZ AND DUZ

55 56	GRATED SIDE ENTRY PIT DOUBLE SIDE ENTRY PIT	900	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
				375	212.995					
7	DOUBLE SIDE ENTRY PIT	600	900	300	214.316	375	214.241	216.091	1.850	REFER TO EDCM STD FIG 602 AND 605
0	DOUBLE CIDE ENTRY DIT	(00	000	300	214.346	300	245 (02	247 254	47/0	DEEED TO EDOM CTD FIG (AS AND (AS
8 9	DOUBLE SIDE ENTRY PIT DOUBLE SIDE ENTRY PIT	600	900	300 300	215.652 217.200	300	215.602 217.150	217.351 218.945	1.749	REFER TO EDCM STD FIG 602 AND 605 REFER TO EDCM STD FIG 602 AND 605
	DOODLE SIDE ENTRY FIT	- 000	700	300	217.200	300	Z 11.13V	210.743	1. 1. 2.2	REFER TO EDELT STOTIG OVE AND OVE
0	DOUBLE SIDE ENTRY PIT	600	900	300	218.719	300	218.669	220.576	1.907	REFER TO EDCM STD FIG 602 AND 605
1	JUNCTION PIT	900	900			300	220.344	222.466	2.122	REFER TO EDCM STD FIG 607
3	GRATED SIDE ENTRY PIT	600	900			300	217.251	218.924	1.673	REFER TO EDCM STD FIG 601 AND 605
4	GRATED SIDE ENTRY PIT	600	900	200	0.15 - 5 -	300	214.397	216.070	1.673	REFER TO EDCM STD FIG 601 AND 605
5 6	JUNCTION PIT GRATED JUNCTION PIT	900	900	300	215.505 215.684	375	215.430 215.634	217.541 217.013	2.111 1.379	REFER TO EDCM STD FIG 607 REFER TO EDCM STD FIG 605 AND HUME STD FIG 225
7	JUNCTION PIT	900	900	225	219.393	300	219.318	217.013	2.259	REFER TO EDCM STD FIG 605 AND HOME STD FIG 225
8	JUNCTION PIT	600	900	225	223.907	225	223.857	225.204	1.346	REFER TO EDCM STD FIG 605
BA	ENDPIPE	0	0	223	223.767	225	224.019	225.333	1.314	BLANK END WITH MARINE PLY
0	DOUBLE SIDE ENTRY PIT	600	900			300	210.353	212.206	1.853	REFER TO EDCM STD FIG 602 AND 605
'1	DOUBLE SIDE ENTRY PIT	600	900			300	208.893	210.886	1.993	REFER TO EDCM STD FIG 602 AND 605
2	DOUBLE SIDE ENTRY PIT	900	900	450	208.482	450	208.432	210.563	2.131	REFER TO EDCM STD FIG 602 AND 607
3	GRATED SIDE ENTRY PIT	750	900	450	208.840	450	208.790	210.759	1.969	REFER TO EDCM STD FIG 601 AND 607
4	DOUBLE SIDE ENTRY PIT	750	900	375 300	209.879 210.504	450	209.804	211.750	1.946	REFER TO EDCM STD FIG 602 AND 607
5	DOUBLE SIDE ENTRY PIT	600	900	300	210.995	375	210.920	212.740	1.820	REFER TO EDCM STD FIG 602 AND 605
_		1	, , , ,	300	210.995		_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	_,_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
6	DOUBLE SIDE ENTRY PIT	600	900	300	212.229	300	212.179	213.922	1.743	REFER TO EDCM STD FIG 602 AND 605
7	DOUBLE SIDE ENTRY PIT	600	900	300	213.288	300	213.238	215.033	1.795	REFER TO EDCM STD FIG 602 AND 605. HEAVY DUTY LID
•	HINGTION AND			300	213.288		A.D 1 :	A		DESCRIPTION TO STORY OF THE ACC.
18	JUNCTION PIT	600	900	300	213.916	300	213.866	215.659	1.793	REFER TO EDCM STD FIG 605
				225 300	214.466 213.916				-	
9	JUNCTION PIT	600	900	300	213.916	300	214.576	216.291	1.715	REFER TO EDCM STD FIG 605
0	JUNCTION PIT	600	900	300	215.020	300	214.970	216.818	1.848	REFER TO EDCM STD FIG 605
				300	215.020					
31	GRATED SIDE ENTRY PIT	600	900	300	217.095	300	217.045	218.898	1.852	REFER TO EDCM STD FIG 601 AND 605
2	GRATED SIDE ENTRY PIT	600	900			300	217.225	218.928	1.703	REFER TO EDCM STD FIG 601 AND 605
33	GRATED SIDE ENTRY PIT	600	900			300	215.138	216.824	1.686	REFER TO EDCM STD FIG 601 AND 605
14 15	JUNCTION PIT	600	900			225 300	216.109	217.315	1.206 1.662	REFER TO EDCM STD FIG 605 REFER TO EDCM STD FIG 605
6	JUNCTION PIT GRATED SIDE ENTRY PIT	600	900			300	213.967 213.339	215.630 215.012	1.662	REFER TO EDCM STD FIG 605 REFER TO EDCM STD FIG 601 AND 605. HEAVY DUTY LID
7	GRATED SIDE ENTRY PIT	600	900			300	213.339	213.012	1.673	REFER TO EDCM STD FIG 601 AND 605. HEAVY DUTY LID
8	JUNCTION PIT	600	900	300	212.228	300	211.648	213.623	1.975	REFER TO EDCM STD FIG 605
9	JUNCTION PIT	600	900	225	214.238	300	214.038	215.946	1.908	REFER TO EDCM STD FIG 605
0	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	22-	005.55	300	207.182	209.175	1.993	REFER TO EDCM STD FIG 602 AND 605
3	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	206.375 206.448					
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
•		.200	, , , ,	300	208.174	323			2.507	
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					
				300	209.911					
6	GRATED SIDE ENTRY PIT	1200	900	825	211.084	825	211.034	213.522	2.488	REFER TO EDCM STD FIG 601 AND 607
7	ENDPIPE	0	0	300	211.559	825	212.490	215.400	2.910	BLANK END WITH MARINE PLY
1	ENDERE	U U	U	825	212.490	025	Z1Z.47U	Z 13.400	2.910	DEANN END WITH MAKINE PLY
8	GRATED SIDE ENTRY PIT	600	900	023	212.470	300	211.636	213.540	1.904	REFER TO EDCM STD FIG 601 AND 605
9	GRATED SIDE ENTRY PIT	600	900			300	209.988	211.892	1.904	REFER TO EDCM STD FIG 601 AND 605
00	GRATED JUNCTION PIT	600	900	300	210.861	300	210.815	212.221	1.406	REFER TO EDCM STD FIG 605 AND HUME STD FIG 225
01	GRATED JUNCTION PIT	600	900			300	210.966	212.268	1.301	REFER TO EDCM STD FIG 605 AND HUME STD FIG 225
)2	GRATED SIDE ENTRY PIT	600	900			300	208.251	210.139	1.889	REFER TO EDCM STD FIG 601 AND 605
)3	JUNCTION PIT	900	900	300	206.445	300	206.395	208.800	2.405	REFER TO EDCM STD FIG 607
\ /	ILINCTION DIT	000	900	300 225	206.445	300	207 / 02	200 400	2 207	REFER TO EDCM STD FIG 607
	JUNCTION PIT JUNCTION PIT	900	900	225	207.477	300 225	207.402	209.609	2.207 1.860	REFER TO EDCM STD FIG 607 REFER TO EDCM STD FIG 605
	JUNCTION PIT	600	900	223	203.001	225	212.306	214.283	1.860	REFER TO EDCM STD FIG 605
)5		600	900			300	206.576	208.052	1.476	REFER TO EDCM STD FIG 603 AND 605
)5)6	GRATED SIDE ENTRY PIT		900	300	206.556	300	206.506	208.736	2.230	REFER TO EDCM STD FIG 601 AND 607
05 06 07		900		1		300	206.641	208.442	1.801	REFER TO EDCM STD FIG 603 AND 605
05 06 07 08	GRATED SIDE ENTRY PIT		900				204 200	208.053	1.965	REFER TO EDCM STD FIG 604 AND 605
05 06 07 08	GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT DOUBLE SIDE ENTRY PIT	900 600 600	900 900			300	206.088			
05 06 07 08 09 10	GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT DOUBLE SIDE ENTRY PIT GRATED SIDE ENTRY PIT	900 600 600 900	900 900 900	300	205.595	300	205.545	207.599	2.054	REFER TO EDCM STD FIG 603 AND 607
05 06 07 08 09 10	GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT DOUBLE SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT	900 600 600 900 900	900 900 900 900	300	205.595	300 300	205.545 205.682	207.599 207.700	2.018	REFER TO EDCM STD FIG 603 AND 607 REFER TO EDCM STD FIG 603 AND 607
05 06 07 08 09 10 11 12	GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT DOUBLE SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT	900 600 600 900 900 600	900 900 900 900 900			300 300 300	205.545 205.682 203.727	207.599 207.700 205.580	2.018 1.853	REFER TO EDCM STD FIG 603 AND 607 REFER TO EDCM STD FIG 603 AND 607 REFER TO EDCM STD FIG 601 AND 605
05 06 07 08 09 10 11 12	GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT DOUBLE SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT JUNCTION PIT	900 600 600 900 900 600 900	900 900 900 900 900 900	300	205.595	300 300 300 600	205.545 205.682 203.727 202.087	207.599 207.700 205.580 204.502	2.018 1.853 2.415	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
)5)6)7)8)9 10 11 2	GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT DOUBLE SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT	900 600 600 900 900 600	900 900 900 900 900	600	202.137	300 300 300	205.545 205.682 203.727	207.599 207.700 205.580	2.018 1.853	REFER TO EDCM STD FIG 603 AND 607 REFER TO EDCM STD FIG 603 AND 607 REFER TO EDCM STD FIG 601 AND 605
)5)6)7)8)9 0 11 2 3 4	GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT DOUBLE SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT JUNCTION PIT	900 600 600 900 900 600 900	900 900 900 900 900 900			300 300 300 600	205.545 205.682 203.727 202.087	207.599 207.700 205.580 204.502	2.018 1.853 2.415	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
95 100 111 122 133 144 155	GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT DOUBLE SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT JUNCTION PIT ENDPIPE	900 600 900 900 900 600 900	900 900 900 900 900 900	600	202.137	300 300 300 600 600	205.545 205.682 203.727 202.087 202.197	207.599 207.700 205.580 204.502 204.553	2.018 1.853 2.415 2.356	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
05 06 07 08 09 10 11 12 13 14 15	GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT DOUBLE SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT JUNCTION PIT ENDPIPE GRATED SIDE ENTRY PIT ENDPIPE JUNCTION PIT	900 600 900 900 900 600 900 0	900 900 900 900 900 900 0	600	202.137 202.197 210.580	300 300 300 600 600	205.545 205.682 203.727 202.087 202.197	207.599 207.700 205.580 204.502 204.553	2.018 1.853 2.415 2.356 1.853	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
04 05 06 07 08 09 10 111 12 13 14 15 16 27 17 42	GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT DOUBLE SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT JUNCTION PIT ENDPIPE GRATED SIDE ENTRY PIT ENDPIPE JUNCTION PIT ENDPIPE	900 600 900 900 900 600 900 0	900 900 900 900 900 900 0 900 0	600 600 300 375	202.137 202.197 210.580 202.709	300 300 300 600 600 300	205.545 205.682 203.727 202.087 202.197 202.178	207.599 207.700 205.580 204.502 204.553 204.031 212.517 213.379 204.894	2.018 1.853 2.415 2.356 1.853 1.937 1.661 2.185	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 REFER TO EDCM STD FIG 601 AND 605 REFER TO EDCM STD FIG 605
05 06 07 08 09 10 11 12 13 14 15 16 27 17	GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT DOUBLE SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT JUNCTION PIT ENDPIPE GRATED SIDE ENTRY PIT ENDPIPE JUNCTION PIT	900 600 900 900 900 600 900 0	900 900 900 900 900 900 0	600 600 300 375 300	202.137 202.197 210.580 202.709 202.837	300 300 300 600 600	205.545 205.682 203.727 202.087 202.197	207.599 207.700 205.580 204.502 204.553 204.031 212.517 213.379	2.018 1.853 2.415 2.356 1.853 1.937 1.661	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 REFER TO EDCM STD FIG 601 AND 605
05 06 07 08 09 10 11 12 13 14 15 16 27 17 42 18	GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT DOUBLE SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT JUNCTION PIT ENDPIPE GRATED SIDE ENTRY PIT ENDPIPE JUNCTION PIT ENDPIPE GRATED SIDE ENTRY PIT ENDPIPE GRATED SIDE ENTRY PIT ENDPIPE GRATED SIDE ENTRY PIT	900 600 900 900 900 0 0 600 0 600 0 900	900 900 900 900 900 900 0 900 0 900	600 600 300 375 300 300	202.137 202.197 210.580 202.709 202.837 202.837	300 300 300 600 600 300 375	205.545 205.682 203.727 202.087 202.197 202.178 211.718	207.599 207.700 205.580 204.502 204.553 204.031 212.517 213.379 204.894 204.995	2.018 1.853 2.415 2.356 1.853 1.937 1.661 2.185 2.232	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 REFER TO EDCM STD FIG 601 AND 605 REFER TO EDCM STD FIG 605 REFER TO EDCM STD FIG 601 AND 607
05 06 07 08 09 10 11 12 13 14 15 16 27 17 42	GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT DOUBLE SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT JUNCTION PIT ENDPIPE GRATED SIDE ENTRY PIT ENDPIPE JUNCTION PIT ENDPIPE	900 600 900 900 900 600 900 0	900 900 900 900 900 900 0 900 0	600 600 300 375 300 300 300	202.137 202.197 210.580 202.709 202.837 202.837 203.716	300 300 300 600 600 300	205.545 205.682 203.727 202.087 202.197 202.178	207.599 207.700 205.580 204.502 204.553 204.031 212.517 213.379 204.894	2.018 1.853 2.415 2.356 1.853 1.937 1.661 2.185	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 REFER TO EDCM STD FIG 601 AND 605 REFER TO EDCM STD FIG 605
05 06 07 08 09 10 11 12 13 14 15 16 27 17 42 18	GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT DOUBLE SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT JUNCTION PIT ENDPIPE GRATED SIDE ENTRY PIT ENDPIPE JUNCTION PIT ENDPIPE GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT	900 600 900 900 900 0 0 600 0 600 0 900	900 900 900 900 900 0 900 0 900 0 900	600 600 300 375 300 300 300 300	202.137 202.197 210.580 202.709 202.837 202.837 203.716 203.716	300 300 300 600 600 300 375	205.545 205.682 203.727 202.087 202.197 202.178 211.718 202.762 203.666	207.599 207.700 205.580 204.502 204.553 204.031 212.517 213.379 204.894 204.995	2.018 1.853 2.415 2.356 1.853 1.937 1.661 2.185 2.232	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 REFER TO EDCM STD FIG 601 AND 605 REFER TO EDCM STD FIG 601 AND 607 REFER TO EDCM STD FIG 601 AND 607
05 06 07 08 09 10 11 12 13 14 15 16 27 17 42 18	GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT DOUBLE SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT JUNCTION PIT ENDPIPE GRATED SIDE ENTRY PIT ENDPIPE JUNCTION PIT ENDPIPE GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT	900 600 900 900 900 600 900 0 600 0 900 90	900 900 900 900 900 900 0 900 0 900	600 600 300 375 300 300 300	202.137 202.197 210.580 202.709 202.837 202.837 203.716	300 300 300 600 600 300 300 375 300	205.545 205.682 203.727 202.087 202.197 202.178 211.718 202.762 203.666 203.759	207.599 207.700 205.580 204.502 204.553 204.031 212.517 213.379 204.894 204.995 205.817	2.018 1.853 2.415 2.356 1.853 1.937 1.661 2.185 2.232 2.151	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 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
05 06 07 08 09 10 11 12 13 14 15 16 27 17 42 18	GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT DOUBLE SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT JUNCTION PIT ENDPIPE GRATED SIDE ENTRY PIT ENDPIPE JUNCTION PIT ENDPIPE GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT GRATED SIDE ENTRY PIT	900 600 900 900 900 0 0 600 0 600 0 900	900 900 900 900 900 0 900 0 900 900 900	600 600 300 375 300 300 300 300	202.137 202.197 210.580 202.709 202.837 202.837 203.716 203.716	300 300 300 600 600 300 375	205.545 205.682 203.727 202.087 202.197 202.178 211.718 202.762 203.666	207.599 207.700 205.580 204.502 204.553 204.031 212.517 213.379 204.894 204.995	2.018 1.853 2.415 2.356 1.853 1.937 1.661 2.185 2.232	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 REFER TO EDCM STD FIG 601 AND 605 REFER TO EDCM STD FIG 601 AND 607 REFER TO EDCM STD FIG 601 AND 607

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				Sca
0	ISSUED FOR CONSTRUCTION	M.R	28/10/24	
D	PIT SCHEDULE UPDATED	M.R	20/09/24	
С	PIT SCHEDULE UPDATED	M.T-S	26/04/24	
В	PIT SCHEDULE UPDATED	M.T-S	20/12/23	
Α	ISSUED TO COUNCIL	M.T-S	22/12/22	
Rev	Amendments	Approved	Date	1





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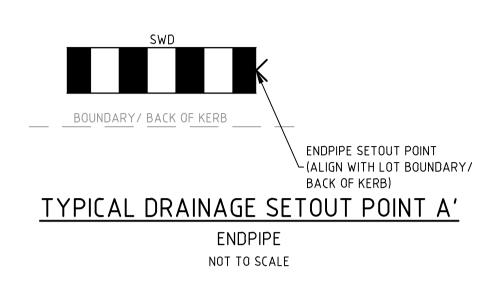
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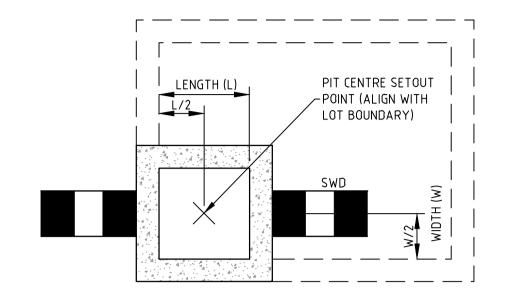
Checked H.HOGGARD J.POYNER J.POYNER APRIL 2024

Redstone。 Your world awaits

REDSTONE ESTATE STAGE 16 ROAD AND DRAINAGE
DRAINAGE PIT SCHEDULE - SHEET 12
HUME CITY COUNCIL VILLAWOOD PROPERTIES

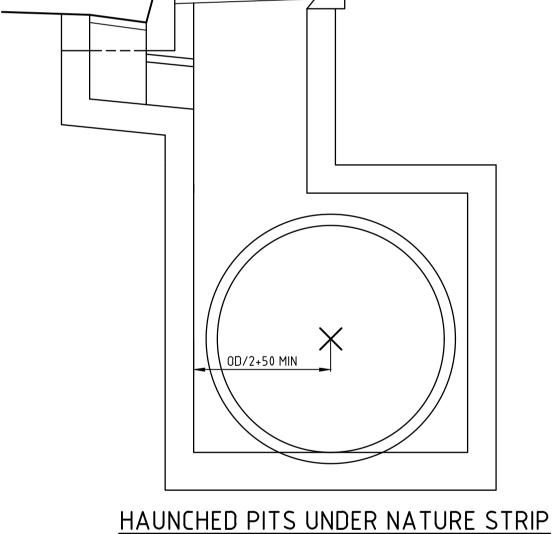
ГП	<u> </u>	0-0KDINA	
NAME	POINT	EASTING	NORTHING
EP1	А	302760.036	5835355.962
2	С	302756.480	5835353.918
3	С	302728.245	5835318.933
TP4	Α	302698.899	5835281.257
5	С	302670.508	5835280.204
6	С	302616.270	5835323.976
7	С	302561.798	5835367.939
10	С	302405.227	5835462.999
15	С	302343.928	5835425.157
18	С	302293.750	5835362.850
20	С	302246.412	5835306.078
23	С	302188.456	5835231.958
35	С	302221.458	5835308.183
36	С	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	C	302276.912	5835266.371
47	С	302270.726	5835258.707
49	С	302194.930	5835164.790
50	C	302194.298	5835164.007
51	C	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	Α	302212.498	5835617.323
100	C	302279.773	5835550.573
101	C	302284.935	5835541.809
103	C	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	С	302408.941	5835469.284





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





PROPERTY INLET NOTES

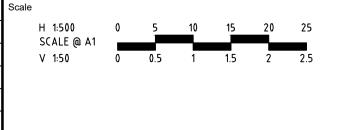
NOT TO SCALE

- 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

Authorised

J.POYNER

name AD pl				
ACA				
layo Vil\				
wg 6\C				
00.d 1006	0	ISSUED FOR CONSTRUCTION	M.R	28/10/24
CR6 31\3	D	DRAINAGE UPDATED	M.R	20/09/24
990c	O	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 310066CR600.dwg layout location G:\31\310066\Civil\AC	Α	ISSUED TO COUNCIL	M.T-S	22/12/22
file file	Rev	Amendments	Approved	Date





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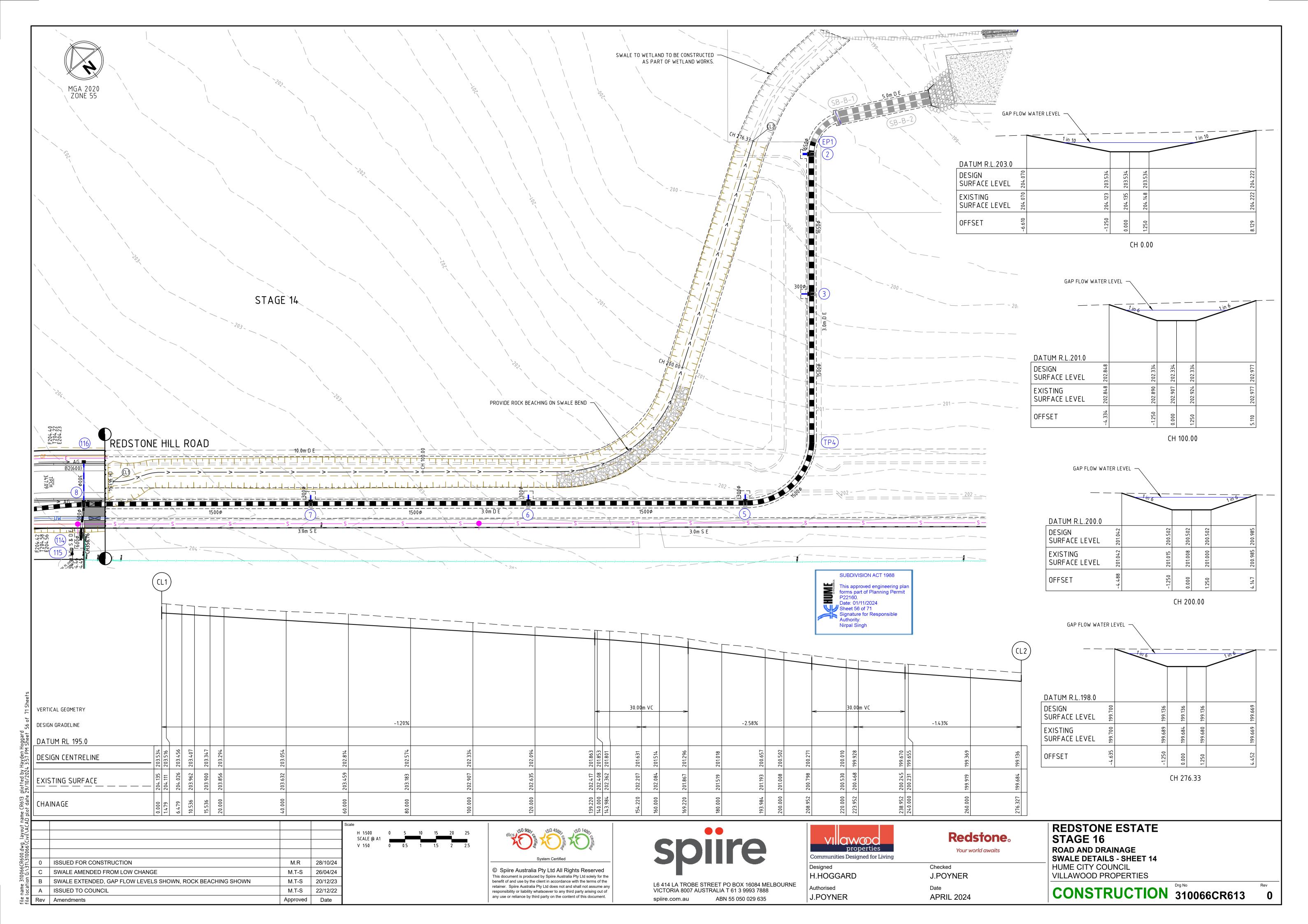


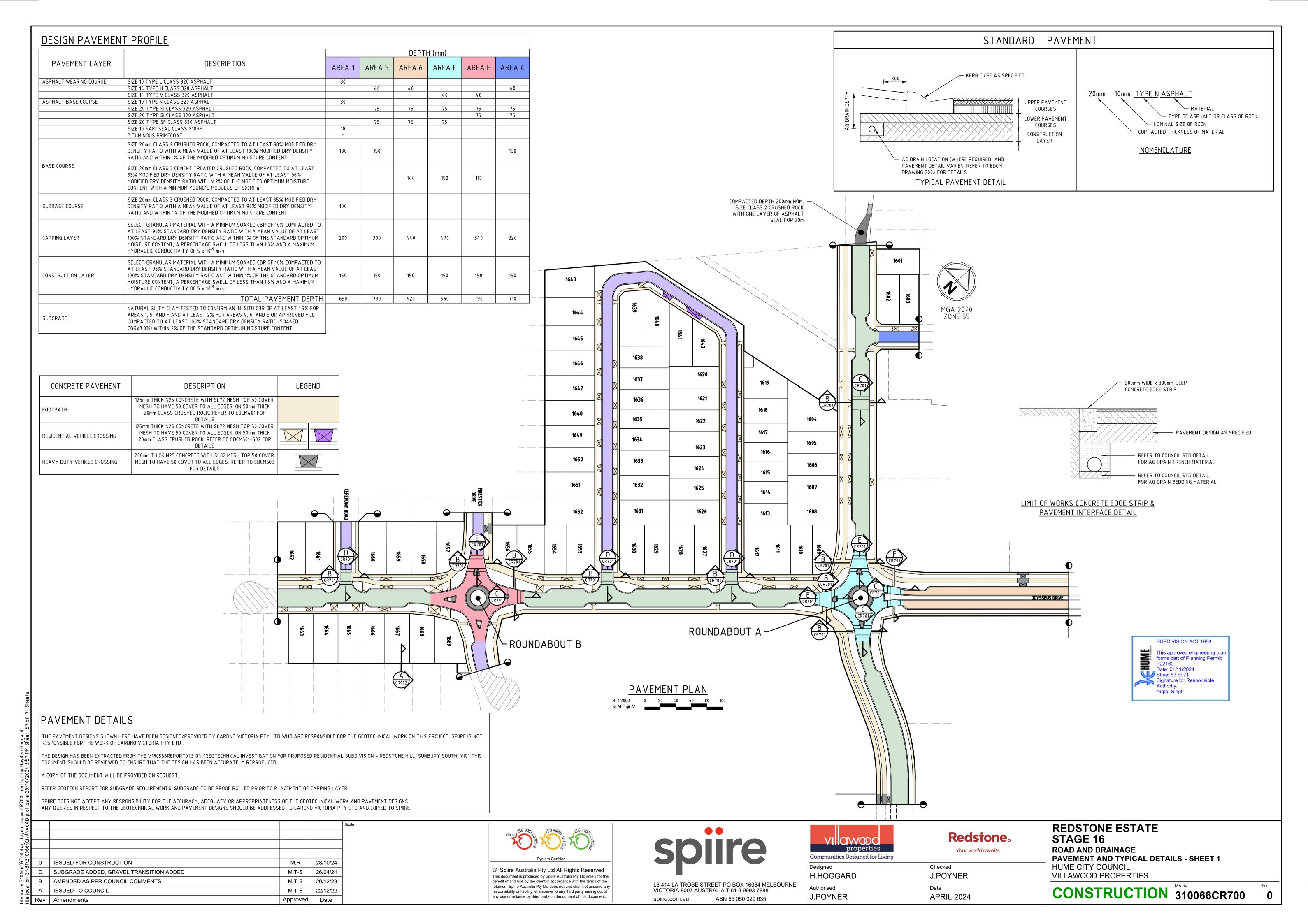
VII CWOC properties Communities Designed for Living	Redstone. Your world awaits
Designed	Checked
H.HOGGARD	J.POYNER
Authorised	Date

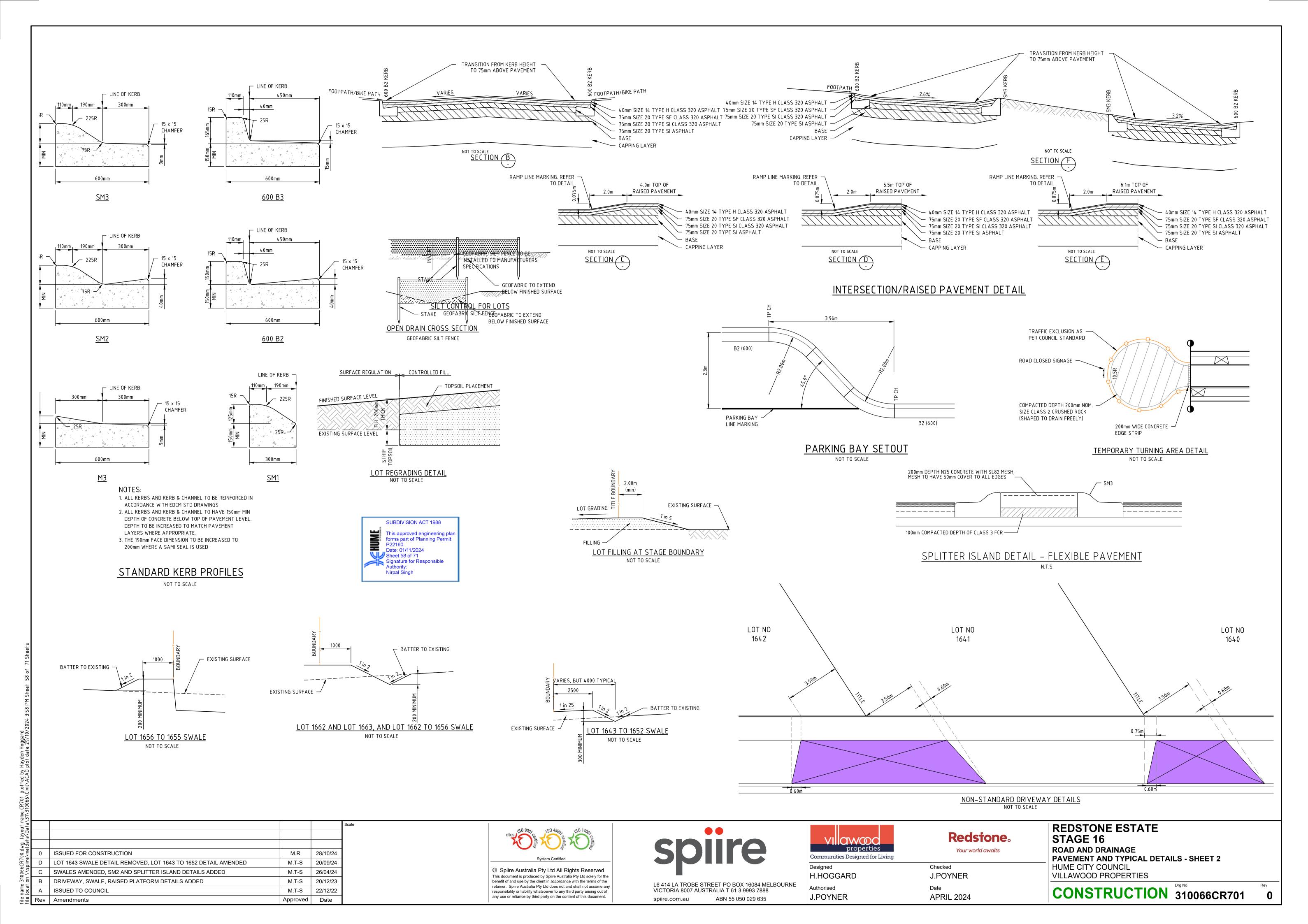
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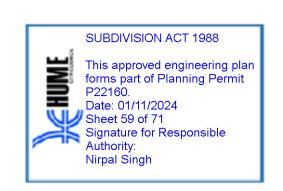
REDSTONE ESTATE STAGE 16 ROAD AND DRAINAGE PIT SETOUT CO-ORDINATES TABLE & DETAILS - SHEET 13

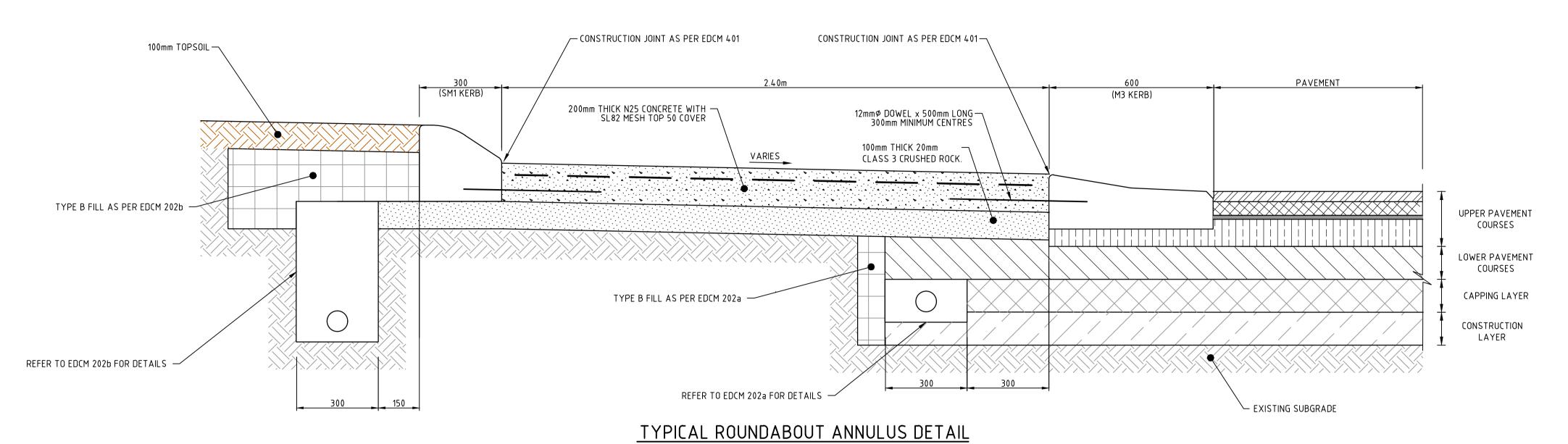
HUME CITY COUNCIL VILLAWOOD PROPERTIES



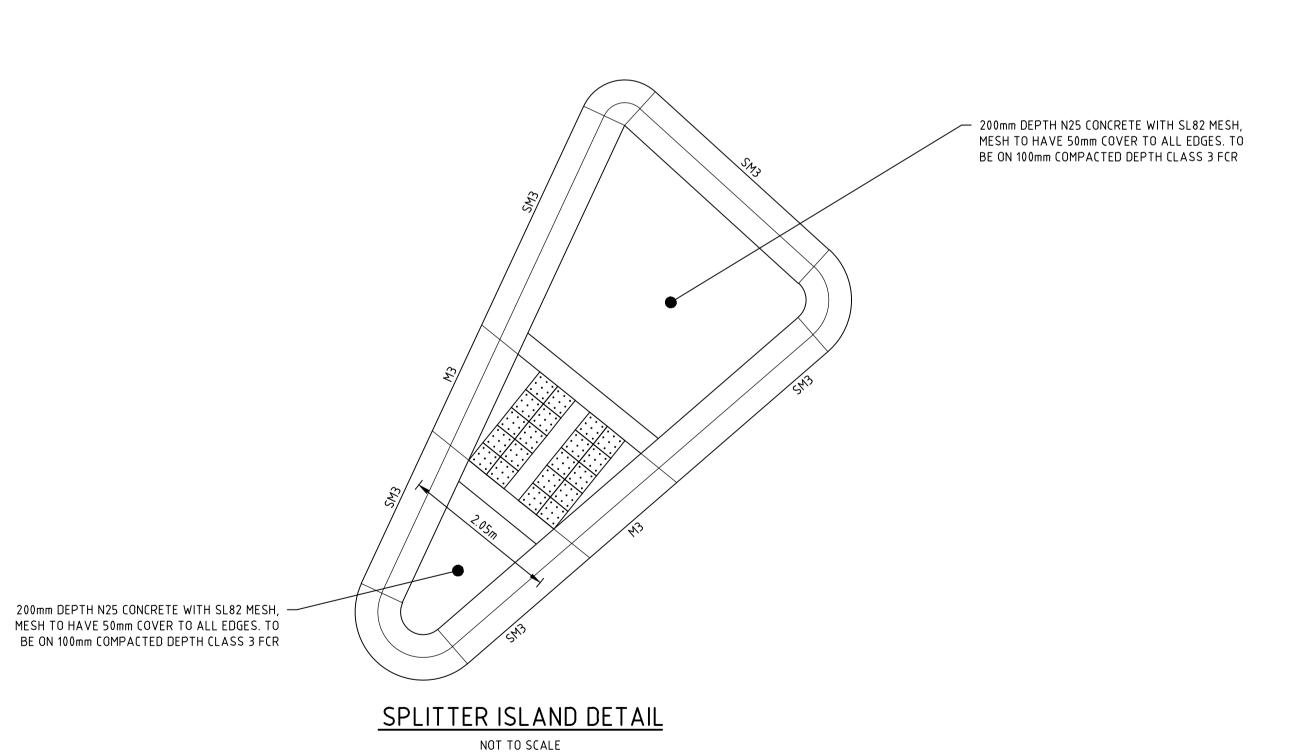


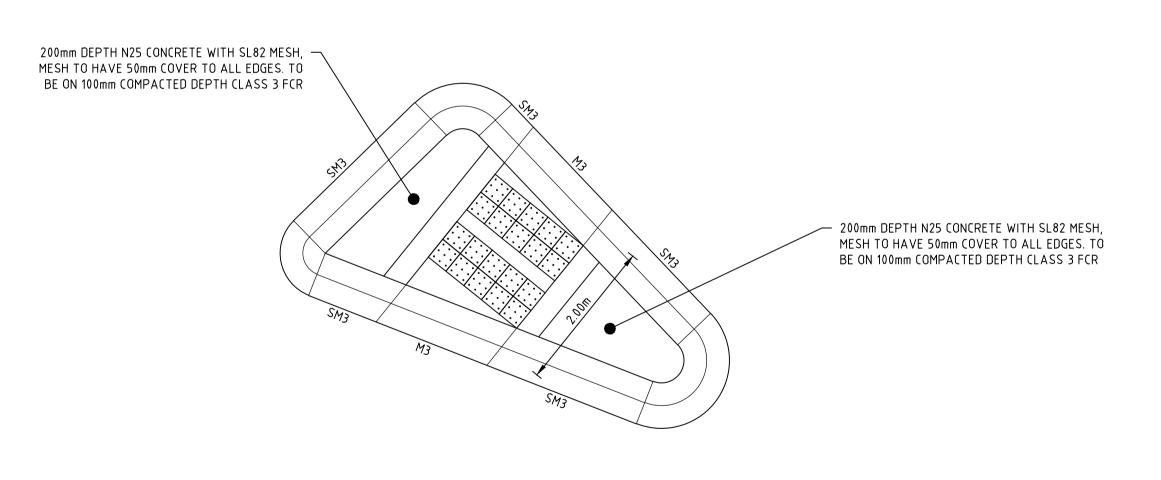






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SPLITTER ISLAND DETAIL

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wg 6\Ci	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	
CR7 31\3	D	SPLITTER ISLAND DETAILS ADDED	M.T-S	17/07/24	
0066 G:\:	C	AG DRAINS AMENDED	M.T-S	26/04/24	
e 31 tion	В	CHANGED TO M3 KERB	M.T-S	20/12/23	
nam loca	Α	ISSUED TO COUNCIL	M.T-S	22/12/22	
file file	Rev	Amendments	Approved	Date	



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Designed

H.HOGGARD

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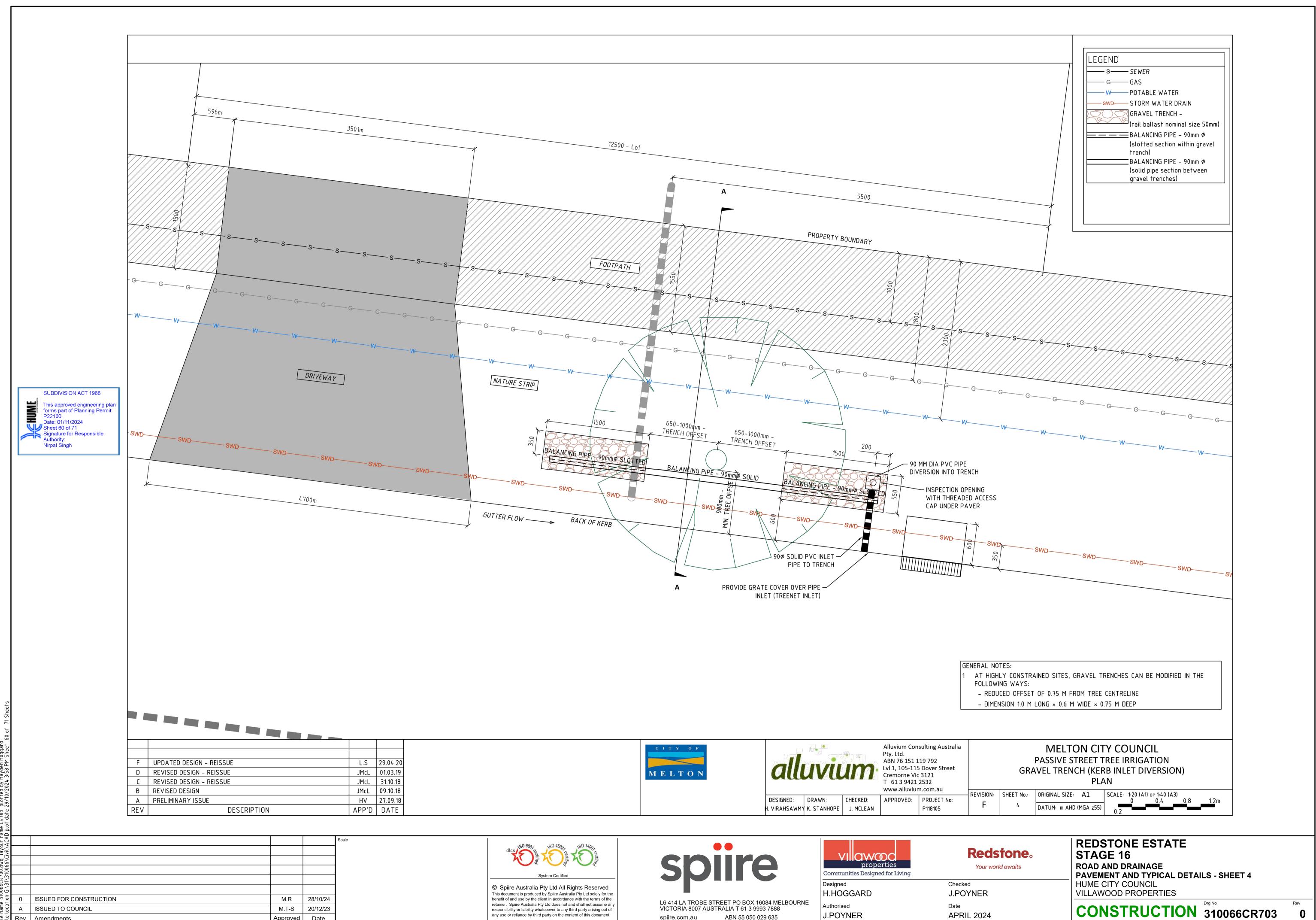
J.POYNER

	Your world awa
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APRIL 2024

Redstone。

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



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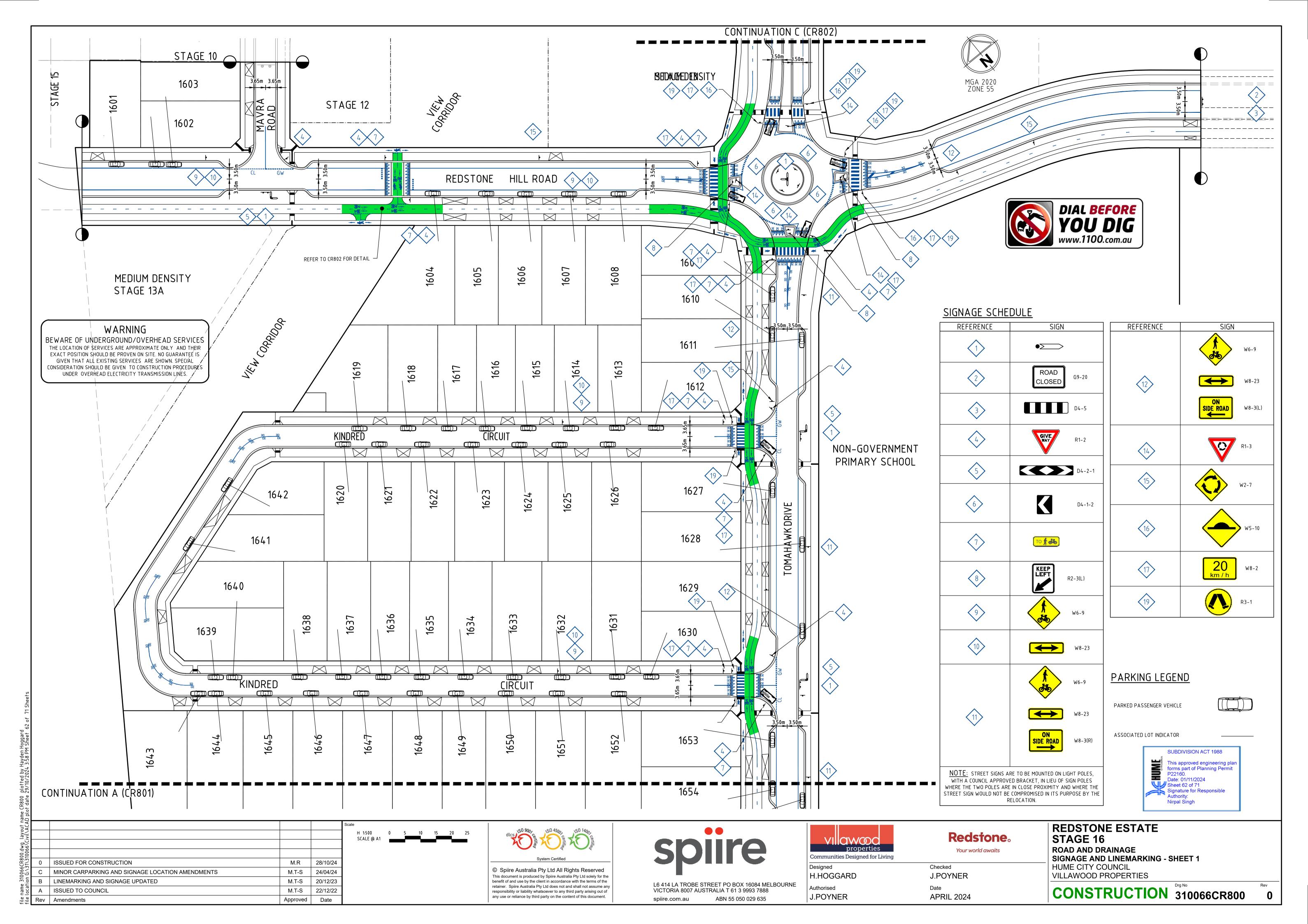
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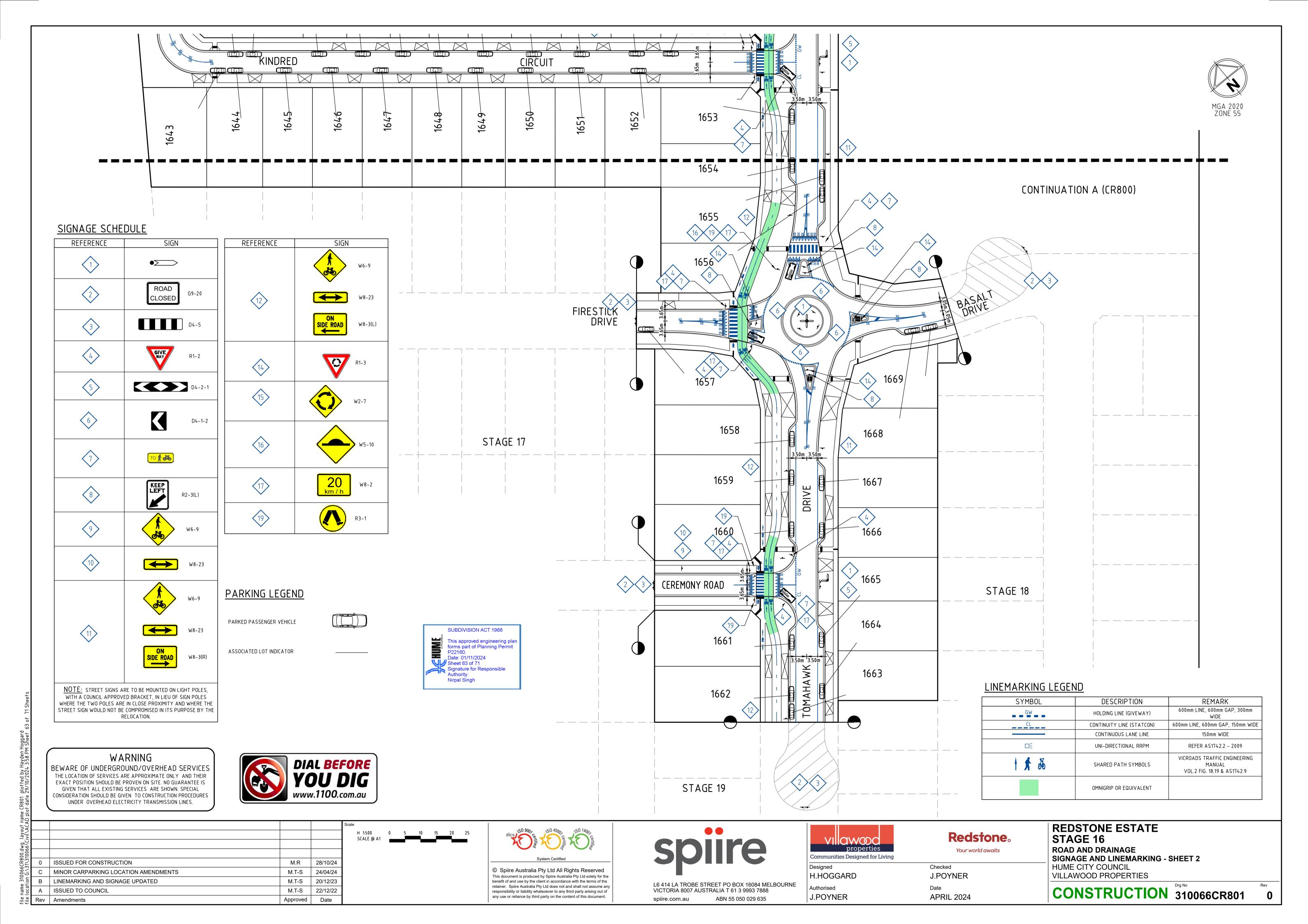
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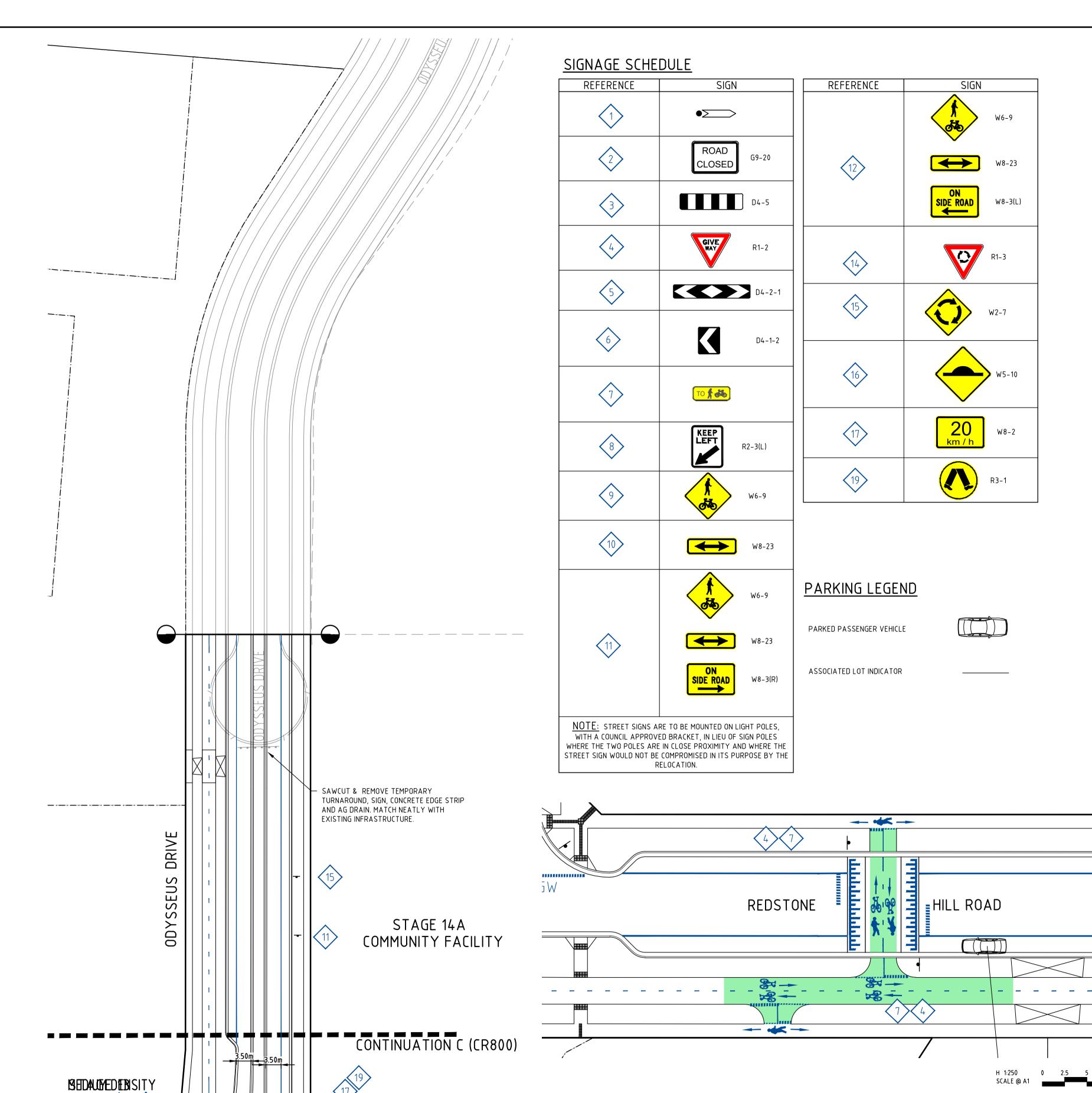
Approved Date

Rev Amendments

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. SUBDIVISION ACT 1988 TOP OF ACCESS CAP BELOW PAVER — SLOPE 1 in 15 This approved engineering planforms part of Planning Permit 90¢ SOLID PVC PIPE WITH -— BARRIER KERB ADAPTOR THREADED ACCESS CAP Date: 01/11/2024 Sheet 61 of 71 Signature for Responsible → PROVIDE GRATE COVER OVER PIPE INLET Nirpal Singh (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 www.alluvium.com.au JMcL 09.10.18 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) P118105 REV DESCRIPTION APP'D DATE 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 retainer. Spiire Australia Pty Ltd does not and shall not assume any Authorised CONSTRUCTION 310066CR704 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

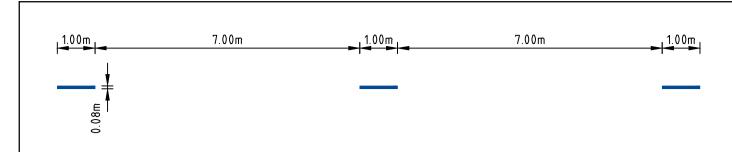






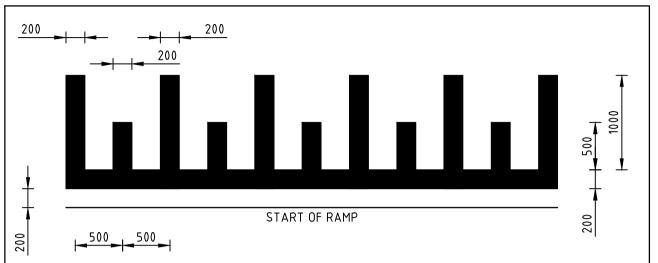
SCALE @ A1







SPEED HUMP LINEMARKING DETAIL



LINEMARKING LEGEND

SYMBOL	DESCRIPTION	REMARK		
GW	HOLDING LINE (GIVEWAY)	600mm LINE, 600mm GAP, 300mm WIDE		
CL	CONTINUITY LINE (STATCON)	600mm LINE, 600mm GAP, 150mm WIDE		
	CONTINUOUS LANE LINE	150mm WIDE		
□ 〔	UNI-DIRECTIONAL RRPM	REFER AS1742.2 - 2009		
1 🖈 🚜	SHARED PATH SYMBOLS	VICROADS TRAFFIC ENGINEERING MANUAL VOL.2 FIG. 18.19 & AS1742.9		
	OMNIGRIP OR EQUIVALENT			







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
UNDER OVERHEAD ELECTRICITY TRANSMISSION LINES.

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0066 G:\3	С	SHARED PATH CROSSING MOVED	M.T.S	24/04/24	
e 31 tion	В	LINEMARKING AND SIGNAGE UPDATED	M.T-S	20/12/23	l
name 310066CR800.dwg location G:\31\310066\C	Α	ISSUED TO COUNCIL	M.T-S	22/12/22	
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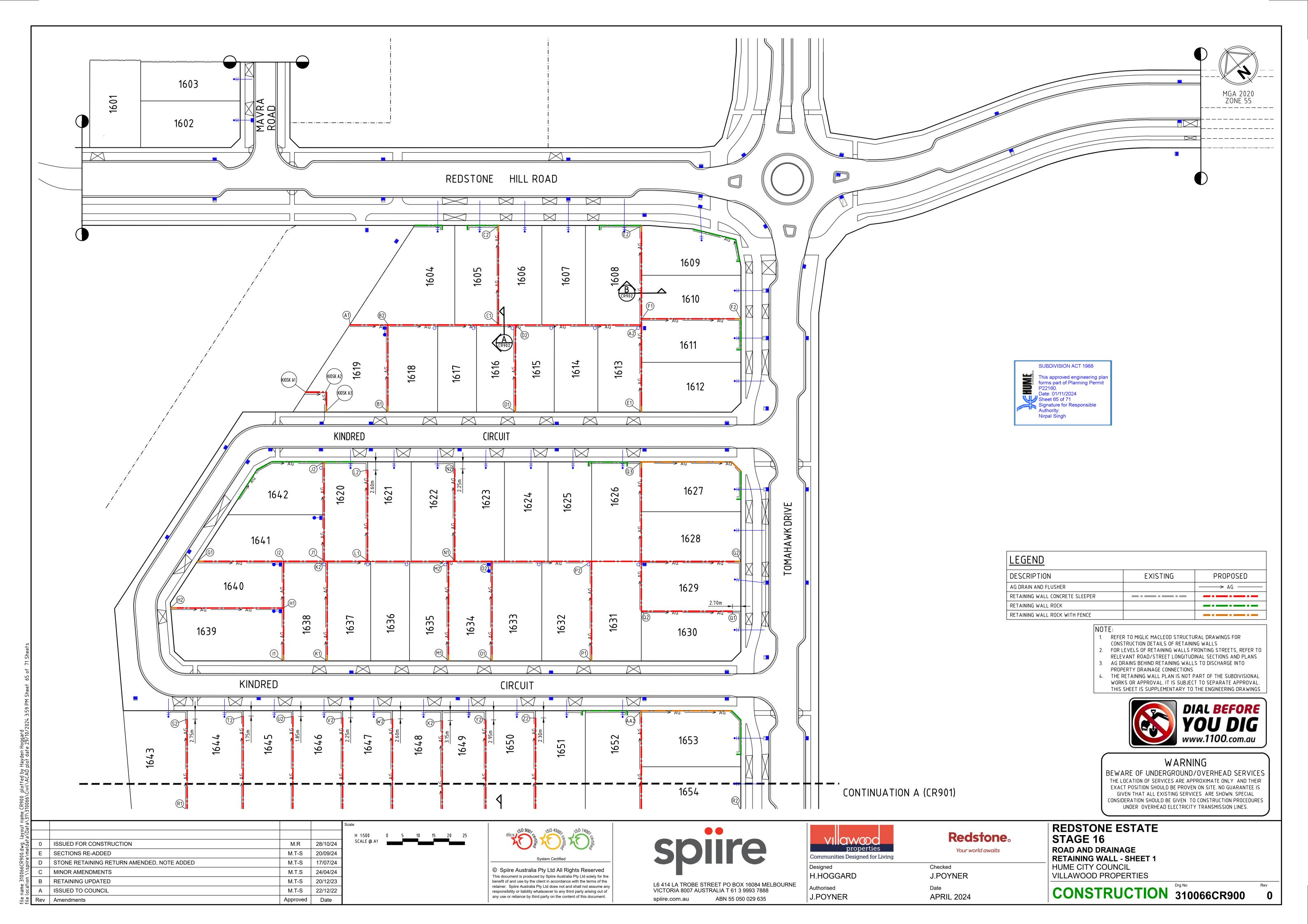
Your world awaits

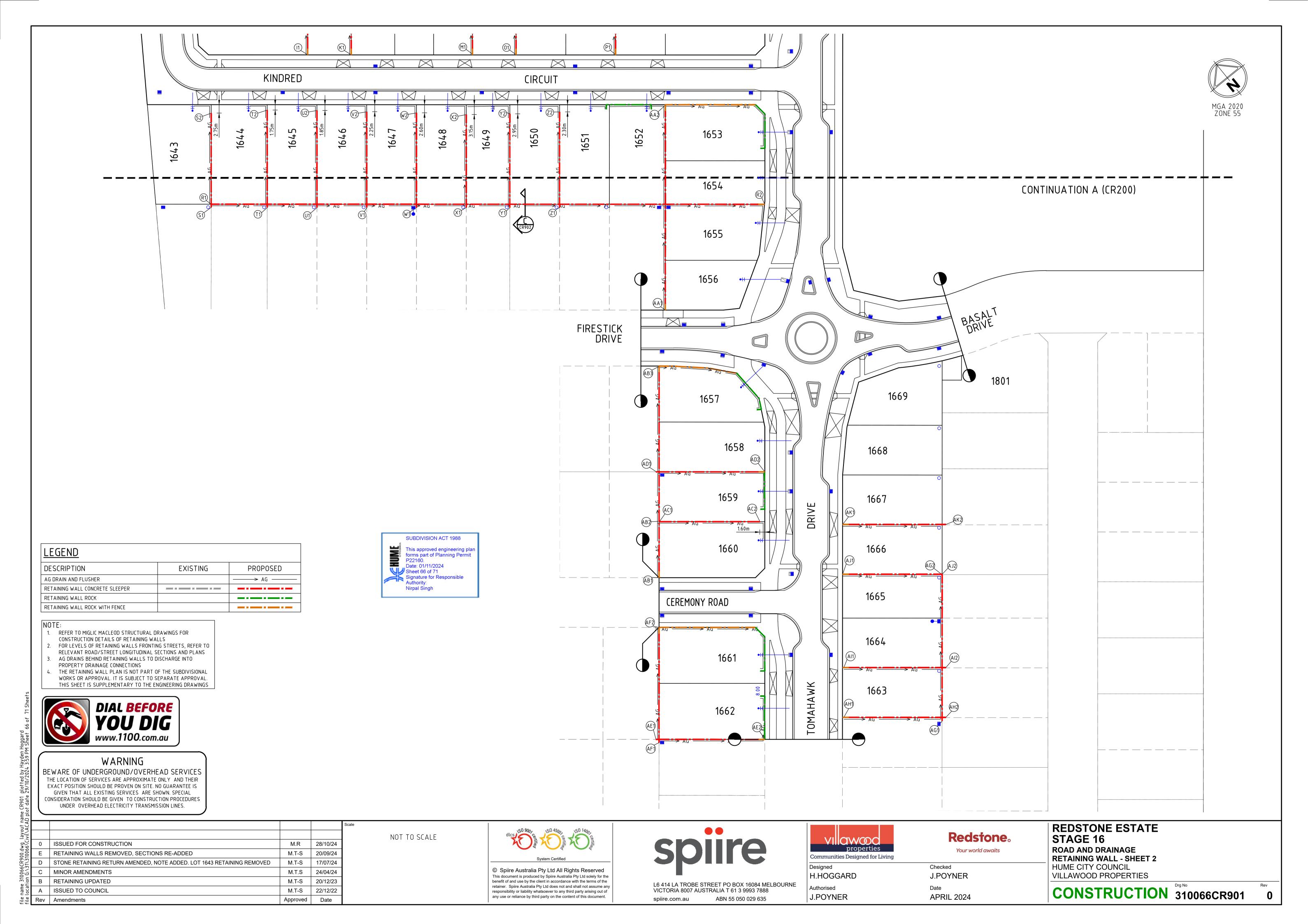
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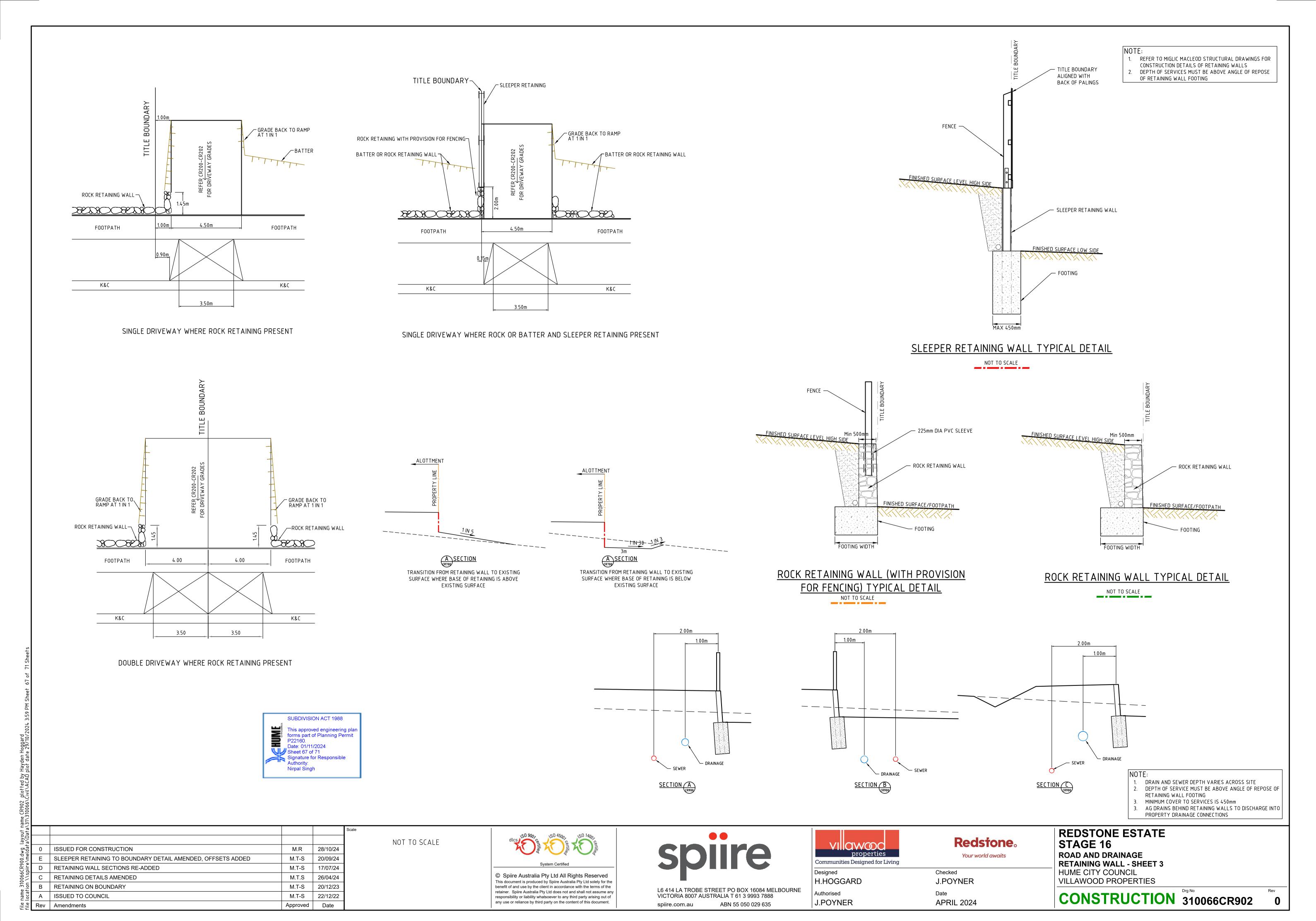
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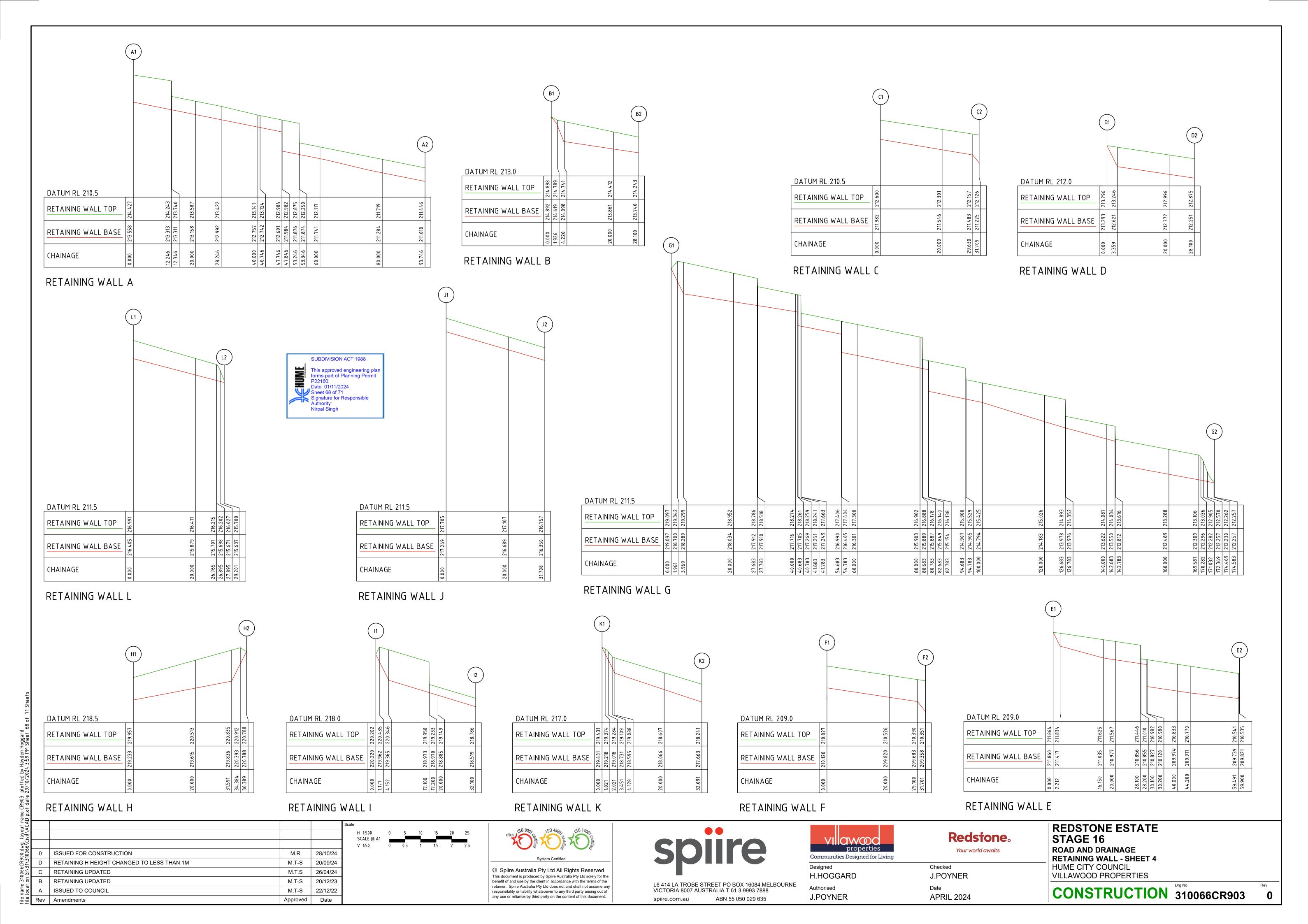
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APRIL 2024

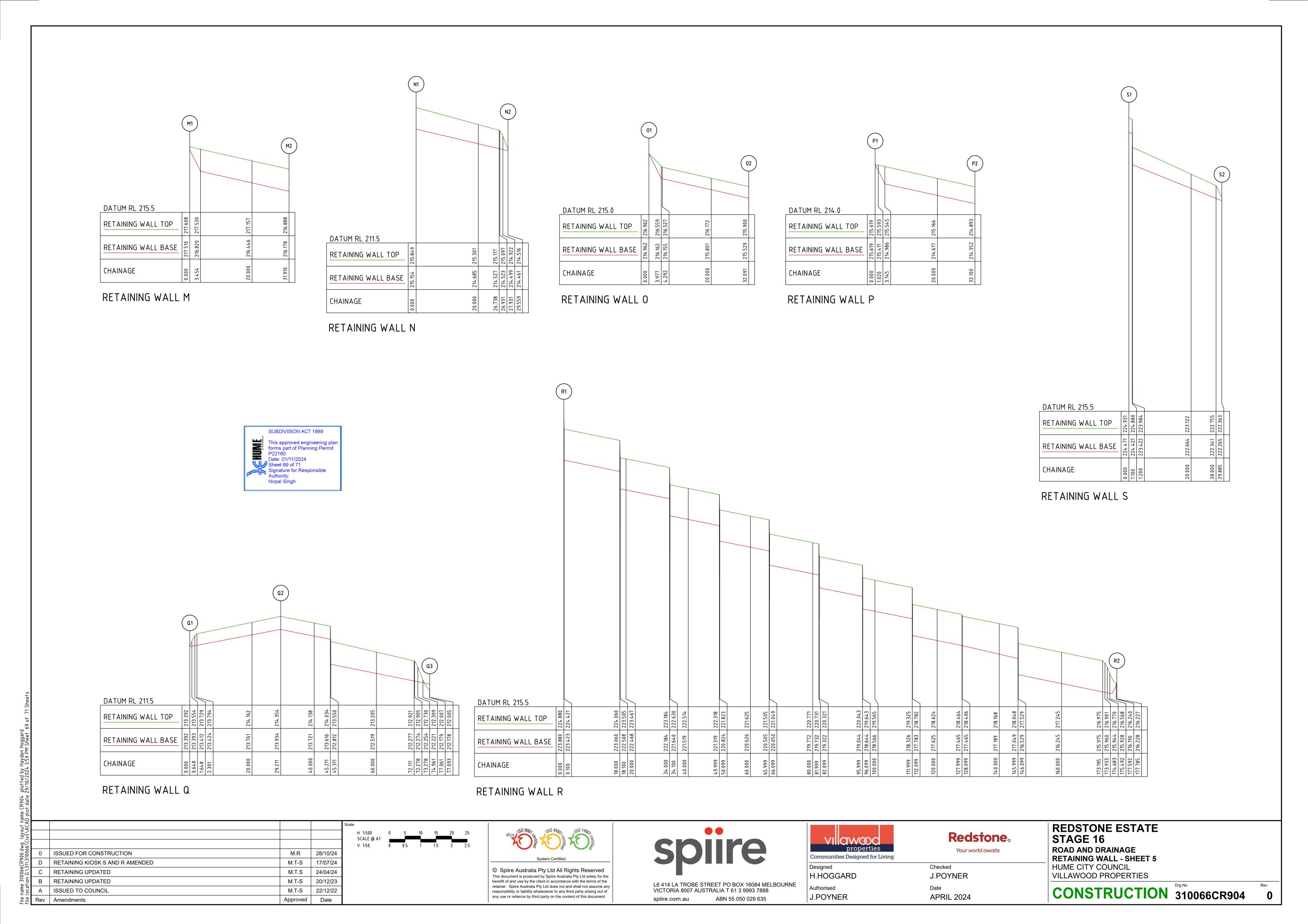
REDSTONE ESTATE
STAGE 16
ROAD AND DRAINAGE
SIGNAGE AND LINEMARKING - SHEET 3
HUME CITY COUNCIL
VILLAWOOD PROPERTIES

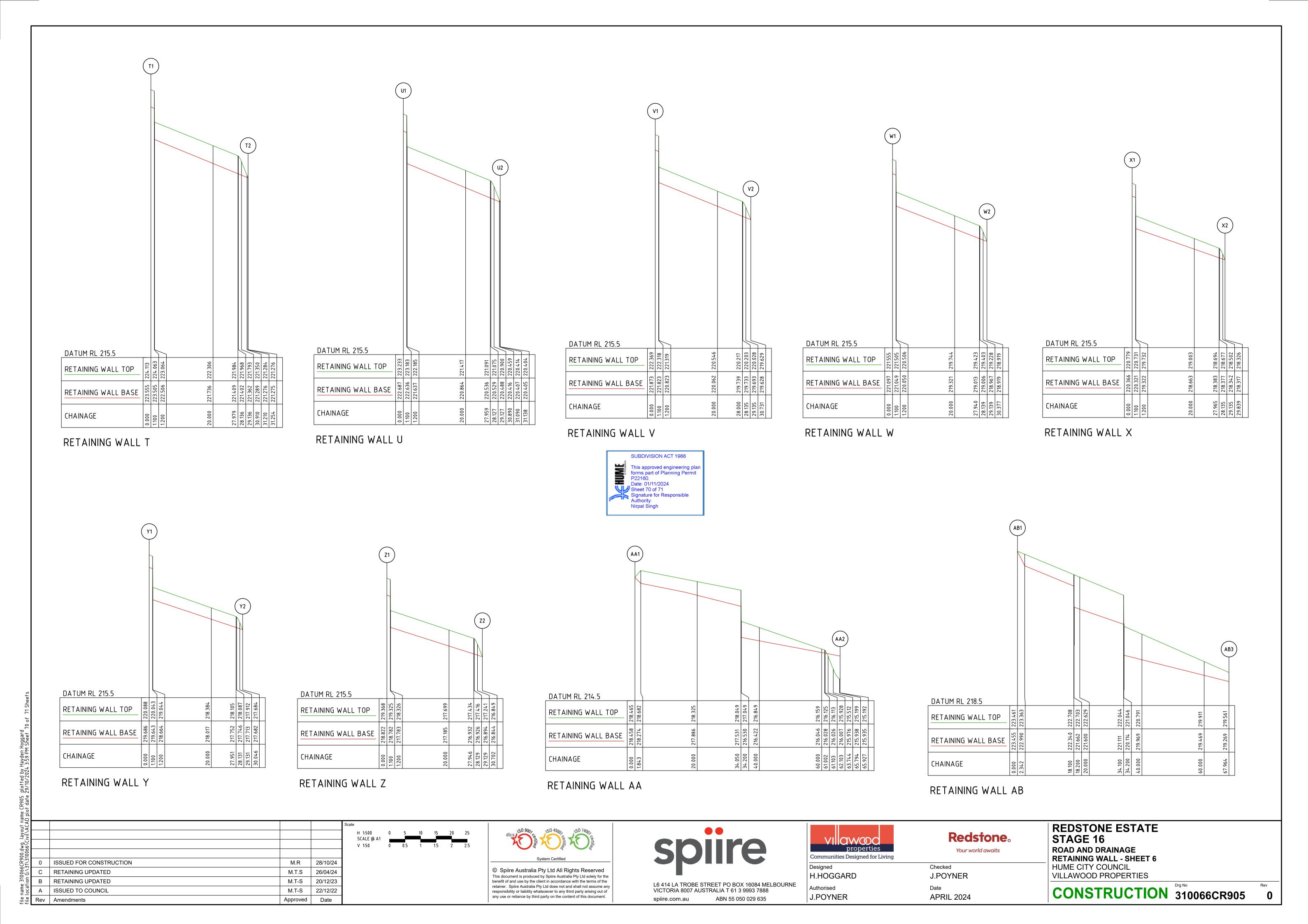


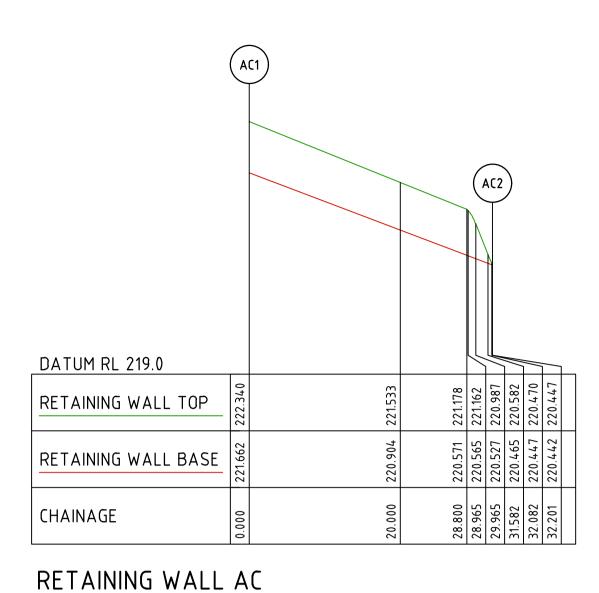


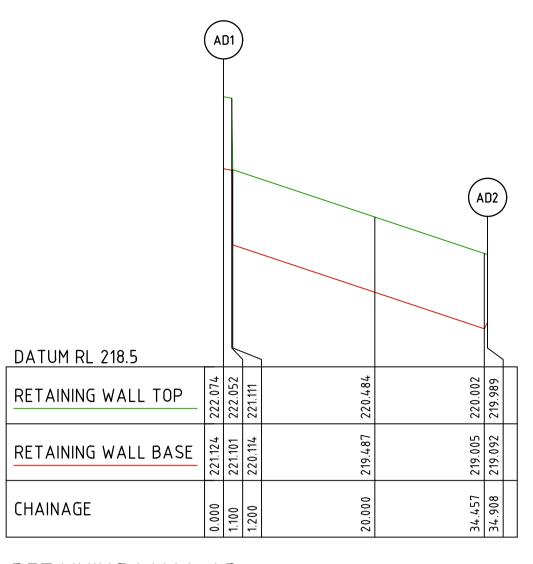


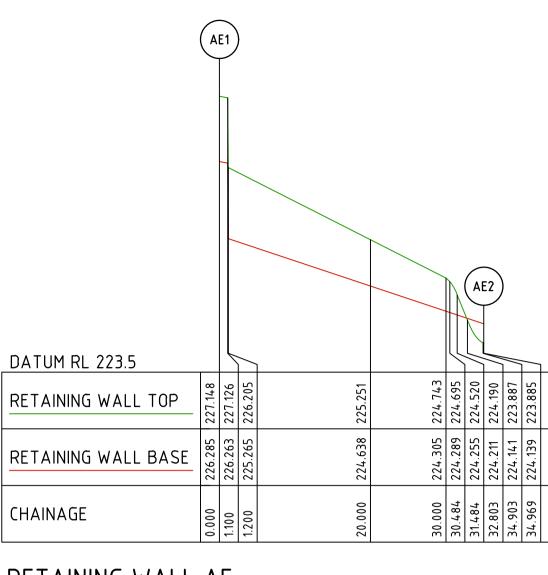


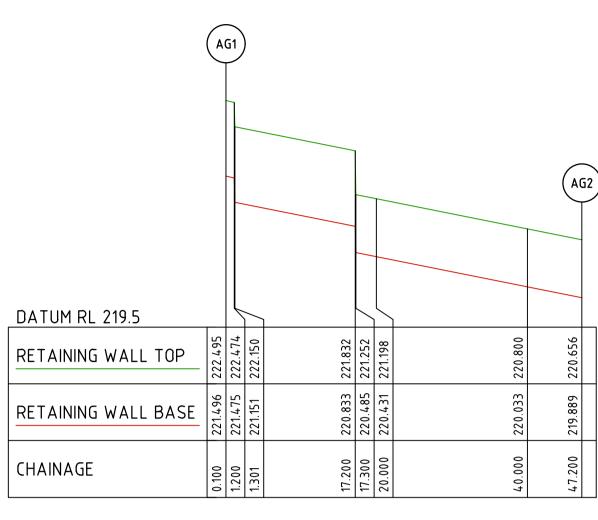










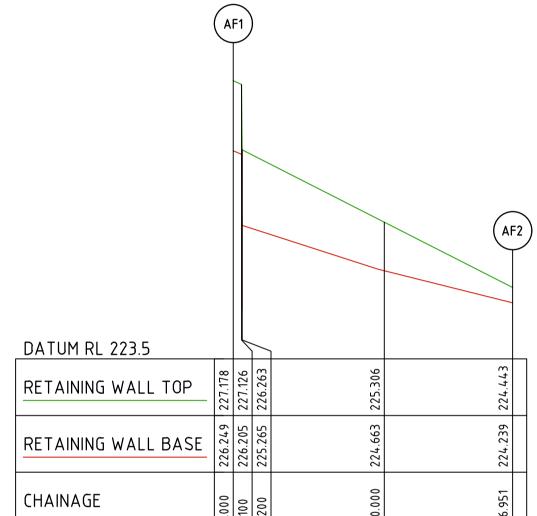


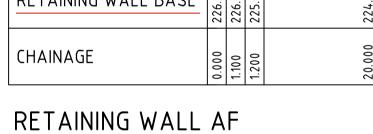
RETAINING WALL AD

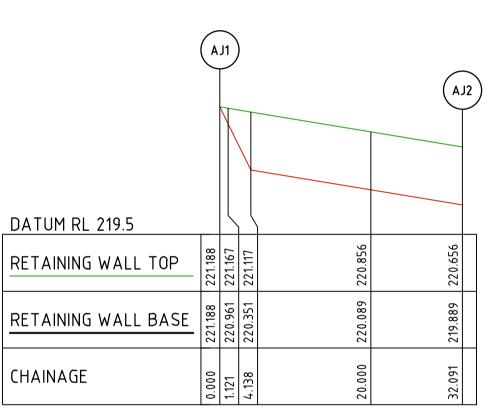
RETAINING WALL AJ

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RETAINING WALL AG

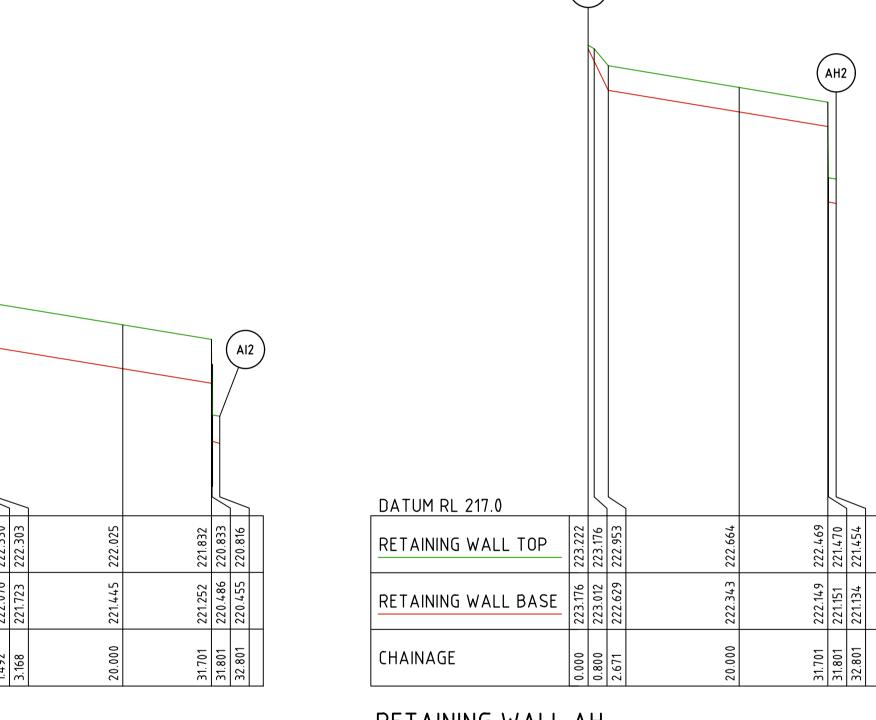






4	11			(AJ2			AI	(1)			
					_	DATUM RL 218.5					
	221.167	221.117	220.856	220.656		RETAINING WALL TOP	220.061	220.066	220.068	220.027	
00:::==	220.961	220.351	220.089	219.889		RETAINING WALL BASE	220.054	219.896	219.814	219.406	
	1.121	4.138	20.000	32.091		CHAINAGE	0.000	1.499	2.000	787.7	
				<u> </u>	_						

(AK2) 32.100 218.946 219.571 33.200 218.905 219.530 DATUM RL 219.5 RETAINING WALL TOP RETAINING WALL AK RETAINING WALL BASE



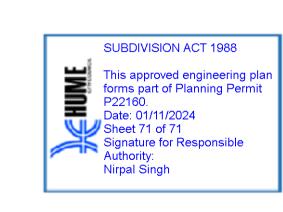
RETAINING WALL AI

CHAINAGE

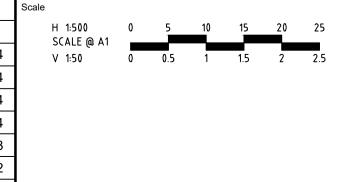
RETAINING WALL AH

	KIOS	SKA1 KIOS	KA2	KIOS	_ ;K/
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



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6/Ci	0	ISSUED FOR CONSTRUCTION	M.R	28/10/24
1006	Е	RETAINING WALL KIOSK B REMOVED, OTHER RETAINING WALLS AMENDED	M.T-S	20/09/24
31/3	D	RETAINING KIOSK B AND AG AMENDED	M.T-S	17/07/24
اق	O	RETAINING UPDATED	M.T.S	26/04/24
ocation	В	RETAINING UPDATED	M.T-S	20/12/23
loca	Α	ISSUED TO COUNCIL	M.T-S	22/12/22
file	Rev	Amendments	Approved	Date





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Authorised J.POYNER	Date APRIL 2024

Redstone。

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

	Drg No
CONSTRUCTION	310066CR906

Rev