

REDSTONE ESTATE

STAGE 18A

VILLAWOOD PROPERTIES

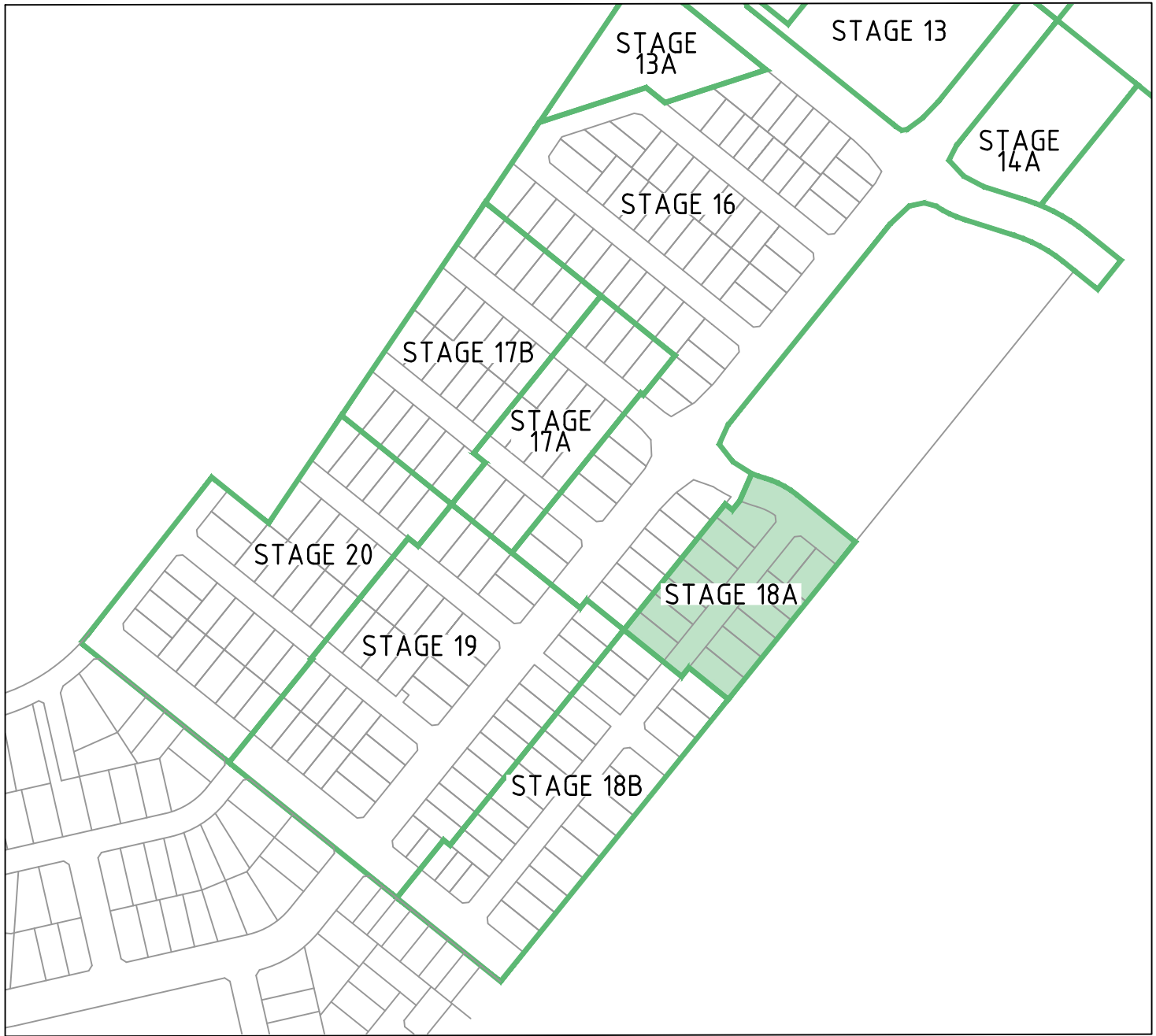
HUME CITY COUNCIL GENERAL NOTES:

- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH V.P.A. AND HUME CITY COUNCIL STANDARD DRAWINGS, SPECIFICATIONS, APPROVED PLANS AND TO THE SATISFACTION OF THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE.
- 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:
 - SOURCE OF QUARRY MATERIAL.
 - N.A.T.A. APPROVED TESTS RESULTS FOR THE F.C.R. THAT IS TO BE USED.
 - IF THE SOURCE OF THE QUARRY MATERIAL IS CHANGED DURING THE COURSE OF THE WORKS, THEN NEW TEST RESULTS SHALL BE PROVIDED.
- 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 WITH.
- 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.
- 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 WORKS.
- 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.
- ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (A.H.D.).
- ALL CO-ORDINATES ARE TO MAP GRID OF AUSTRALIA - MGA 2020 ZONE 55.
- 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 SPECIFICATIONS.
- 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.
- 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.
- 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.
- NO TREE OR NATIVE VEGETATION IS TO BE DISTURBED OR REMOVED WITHOUT PRIOR APPROVAL FROM COUNCIL'S SUSTAINABLE ENVIRONMENT DEPARTMENT. ANY TREES REMOVED, VEGETATION OR OTHER MATERIALS ARE NOT TO BE BURNT ON SITE.
- 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.
- THE CONTRACTOR IS TO OBTAIN A BUILDING PERMIT FOR ANY STRUCTURES / FENCES AND FOR ANY RETAINING WALLS OVER 1.0m IN HEIGHT.
- ANY INFRASTRUCTURE DAMAGE DURING THE DEFECTS LIABILITY PERIOD IS THE RESPONSIBILITY OF THE DEVELOPER OR HIS REPRESENTATIVE AND IS TO BE REINSTATED TO THE SATISFACTION OF THE CHIEF EXECUTIVE OFFICER OR HIS REPRESENTATIVE.
- 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
 - 1500KG/HA OF CELLULOSE FIBRE
 - SOIL BINDER, SPECIFICALLY MANUFACTURED FOR HYDROMULCHING, USED AT MANUFACTURERS RECOMMENDED RATES. (E.G. ORGANIC GAUR TACKIFIERS @ 20 - 30 KG/HA, BASED ON, SITE CONDITIONS).
- GRASS IS TO BE ESTABLISHED PRIOR TO THE END OF THE MAINTENANCE PERIOD, UNLESS OTHERWISE AGREED IN WRITING.
- FOOTPATHS ARE TO BE 50mm OFFSET FROM TITLE BOUNDARIES UNLESS NOTED OTHERWISE. VEHICLE CROSSING ALIGNMENTS ARE GENERALLY TO BE PARALLEL TO THE SIDE BOUNDARY.
- ALL NEW CONCRETE WORKS SHALL BE JOINED INTO ABUTTING EXISTING CONCRETE WITH 450mm LONG Y20 DOWEL BARS @ 600 CENTRES, UNLESS OTHERWISE SPECIFIED.
- ANY EXPOSED AGGREGATE CONCRETE WORKS TO BE ACHIEVED BY SAND-BLASTING ONLY. WASHING AGGREGATE OFF WITH WATER IS NOT PERMITTED.
- 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.
- 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.
- WHERE NEW ASPHALT, CONCRETE KERB & CHANNEL, PATHS AND DRIVEWAYS MATCH INTO EXISTING, THE EXISTING SURFACE IS TO BE SAW CUT AND MATCHED NEATLY.
- ALL REDUNDANT ASSETS ARE TO BE REMOVED AND DISPOSED OFF SITE.
- ALL TREES AND SHRUBS ARE TO BE RETAINED UNLESS OTHERWISE SHOWN OR DIRECTED BY THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE.
- 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.
- 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.
- 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.

- ALL EXISTING ASSETS AFFECTED BY THE WORKS, E.G. SIGNS, VEHICLE CROSSINGS, FOOTPATHS, KERB AND LINEMARKING SHALL BE REINSTATED BY THE CONTRACTOR PRIOR TO THE COMPLETION OF THE WORKS TO THE SATISFACTION OF THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE.
- 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.
- AGRICULTURAL DRAINS ARE TO BE PLACED BEHIND ALL KERB AND CHANNEL, KERB ONLY AND EDGE STRIPS IN ACCORDANCE WITH COUNCIL STANDARD DRAWING SD202.
- ALL TABLE DRAINS AND VERGES ARE TO BE REINSTATED UPON COMPLETION OF WORKS TO THE SATISFACTION OF THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE.
- ALL TRAFFIC CONTROL MEASURES, SIGNS AND LINEMARKING SHALL BE IN ACCORDANCE WITH A.S.1742 - 1, 2 & 3. STREET NAME SIGNS ARE TO BE IN ACCORDANCE WITH COUNCIL STANDARD DRAWING SD408.
- ALL LINEMARKING PAINT SHALL BE LONG LIFE TYPE IN ACCORDANCE WITH SECTION 95C OF THE HUME CITY COUNCIL SPECIFICATIONS. LATERAL WORKS AND ARROWS BEING COLD APPLIED PLASTIC TROWELLED INTO PLACE (MATERIAL DEGADUR PLASTELINE) AND LONGITUDINAL LINES BEING EXTRUDED THERMOPLASTIC MATERIAL.
- ALL SIGNS TO BE CLASS 1 HIGH INTENSITY TYPE AND TO COMPLY WITH THE REQUIREMENTS OF A.S.1743 -2001.
- 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.
- 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.
- 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.
- FENCING TO BE PROVIDED ALONG LOT BOUNDARIES ABUTTING RESERVES TO THE SATISFACTION OF THE RESPONSIBLE AUTHORITY.
- 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 & MINES DESIGN AND CONSTRUCTION.

SPIIRE GENERAL NOTES:

- 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.
- ANY EXISTING SERVICES SHOWN ON THESE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT.
- 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.
- 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.
- ALL BATTERS SHALL BE 1 IN 6, UNLESS OTHERWISE SHOWN.
- 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.
- 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.
- 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.
- 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 ACCORDANCE WITH THE SPECIFICATION.
- 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)WITH THE FOLLOWING MINIMUM COVER TO FINISHED SURFACE LEVELS:
 - ROAD PAVEMENT - 0.80m
 - VERGE & FOOTPATHS - 0.45m
- A.G. / SUBSOIL DRAIN TO BE LAID BEHIND KERB & CHANNEL. KERB ONLY AND EDGE STRIPS WHERE REQUIRED IN ACCORDANCE WITH THE HUME CITY COUNCIL STANDARD DRAWING SD282 AND CONNECTED TO UNDERGROUND DRAINAGE.
- CENTRE LINES OF ALL EASEMENT DRAINS ARE OFFSET 1.0m OR 2.2m (WHERE OUTSIDE OF SEWER) FROM THE PROPERTY LINE UNLESS SHOWN OTHERWISE.
- 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.
- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH AS2124-1992 GENERAL CONDITIONS OF CONTRACT.
- TELSTRA IS TO BE NOTIFIED 7 DAYS PRIOR TO PLACEMENT OF CONCRETE WORKS.
- 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 FINAL PAVEMENT DEPTH.
- WHERE PAVEMENT IS CONSTRUCTED ON FILLERS, 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.
- 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.
- ALL TEMPORARY WARNING SIGNS USED DURING CONSTRUCTION SHALL BE SUPPLIED AND MAINTAINED IN ACCORDANCE WITH A.S.1742-3.
- 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.
- CONTRACTOR TO ENSURE SEWER MANHOLES ARE WHOLLY LOCATED IN PROPOSED FOOTPATHS.



DRAWING SCHEDULE

DRAWING	DESCRIPTION	SHEET No.	REVISION
CR100	FACE SHEET	1	1
CR200	FACE PLAN	2	1
CR201	SERVICES PLAN	3	1
CR202	EXISTING SITE PLAN	4	1
CR300	ROAD LONG SECTIONS	5	1
CR400	TYPICAL ROAD CROSS SECTIONS	6	1
CR401	ROAD CROSS SECTIONS - SHEET 1	7	1
CR402	ROAD CROSS SECTIONS - SHEET 2	8	1
CR500	INTERSECTION DETAILS	9	1
CR600	DRAINAGE LONG SECTIONS - SHEET 1	10	1
CR601	DRAINAGE LONG SECTIONS - SHEET 2	11	1
CR602	DRAINAGE PIT SCHEDULE AND SETOUT	12	1
CR700	PAVEMENT AND TYPICAL DETAILS	13	1
CR800	SIGNAGE AND LINEMARKING	14	1
CR900	RETAINING WALL PLAN	15	1
CR901	RETAINING WALL SECTIONS AND DETAILS	16	1



LEGEND

DESCRIPTION

WATER MAIN, VALVE AND HYDRANT
UNDERGROUND ELECTRICITY
OPTIC FIBRE
SEWER & MAINTENANCE STRUCTURE
CENTRAL INVERT
COUNCIL STORMWATER DRAIN AND PIT
COUNCIL 50YR STORMWATER DRAIN AND PIT
STORM WATER DRAINAGE PROPERTY INLETS
HOUSE DRAIN
AG DRAIN AND FLUSHER
STORM WATER DRAINAGE PIT NUMBER
WATER CONDUITS
CONCRETE VEHICLE CROSSING

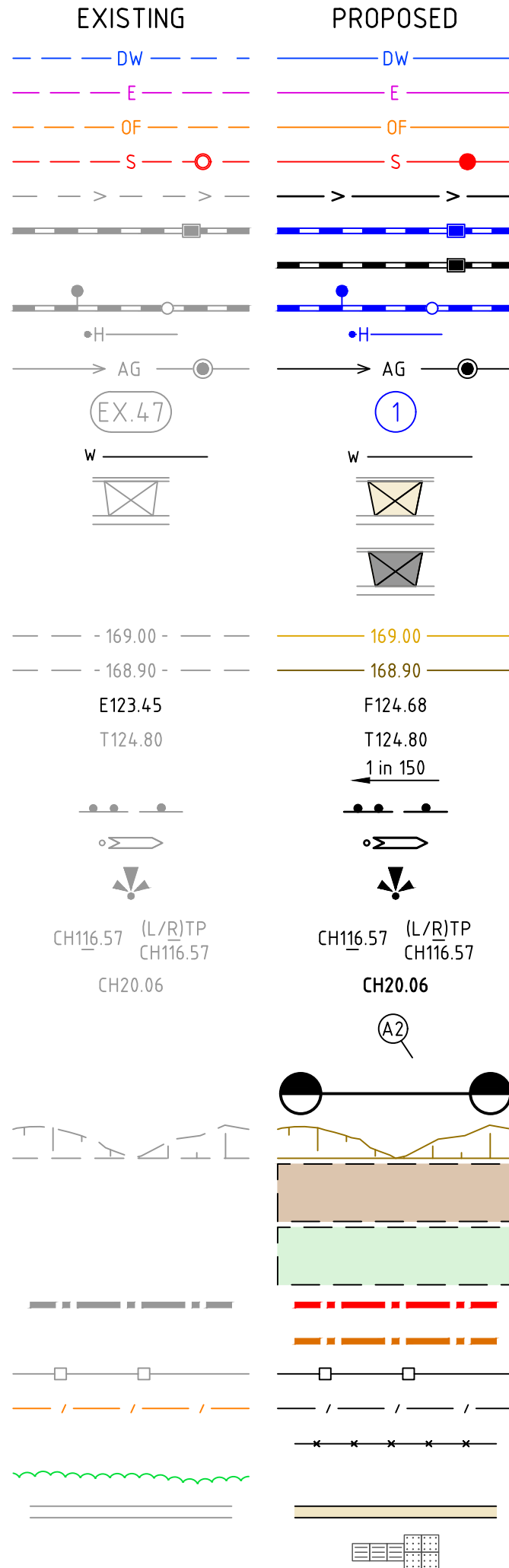
INDUSTRIAL CONCRETE VEHICLE CROSSING

SURFACE CONTOUR MINOR
SURFACE CONTOUR MAJOR
SURFACE LEVEL
BATTER LEVEL (TOP / TOE)
EARTHWORKS GRADE
SIGN AND POST
STREET SIGN
PERMANENT SURVEY MARK

ROAD CHAINAGES
LOT CHAINAGES
SETOUT POINT

LIMIT OF WORKS
BATTER
EXCAVATION GREATER THAN 0.20m
FILLING GREATER THAN 0.20m
RETAINING WALL CONCRETE
RETAINING WALL ROCK WITH FENCE
FENCE - VEHICLE EXCLUSION
FENCES
FENCE TEMPORARY
VEGETATION LINE
FOOTPATH
TACTILE GROUND SURFACE INDICATOR

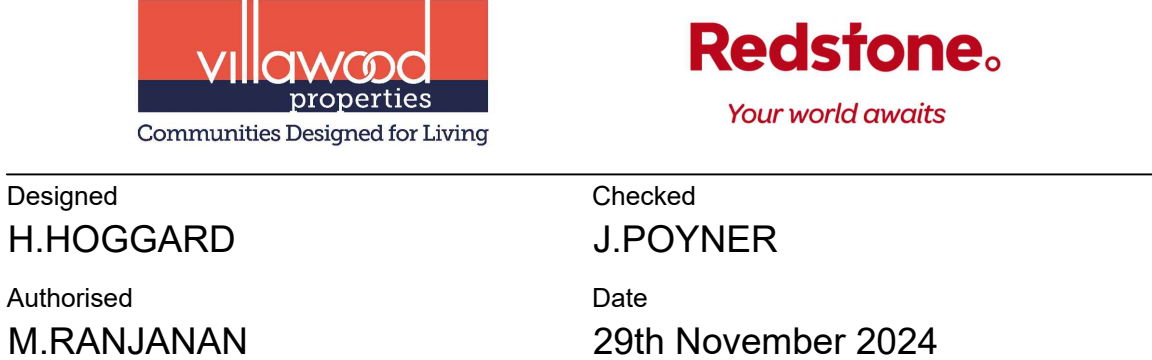
TREE
TREE TO BE REMOVED



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.

Rev	Amendments	Approved	Date
1	AS CONSTRUCTED	M.R	25/06/26
0	ISSUED FOR CONSTRUCTION	M.R	24/03/25
C	BASALT DRIVE APPROACHING L.O.W AMENDED	M.R	14/03/25
B	COUNCIL RESUBMISSION	M.R	24/02/25
A	ISSUED TO COUNCIL	M.R	29/11/24

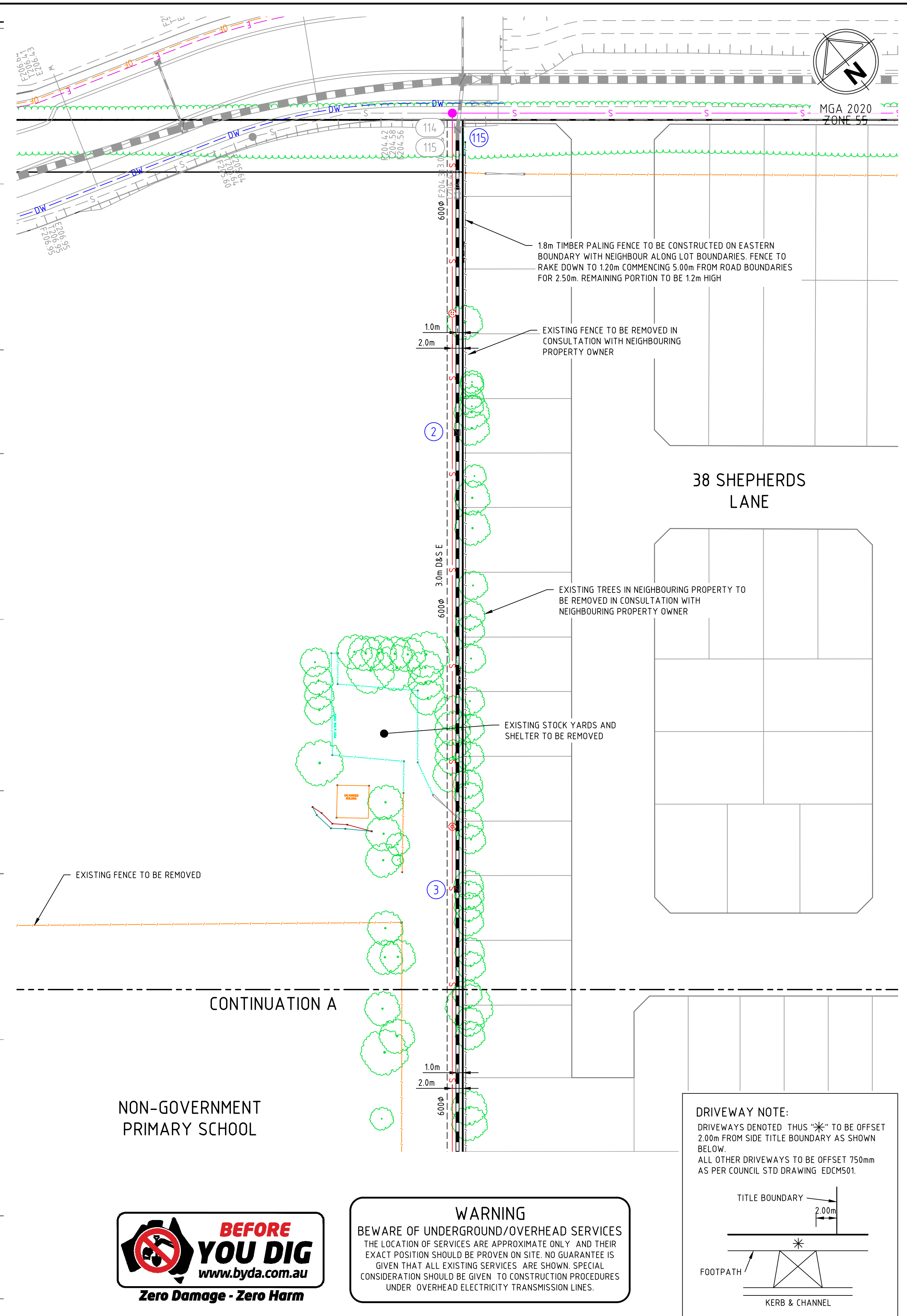
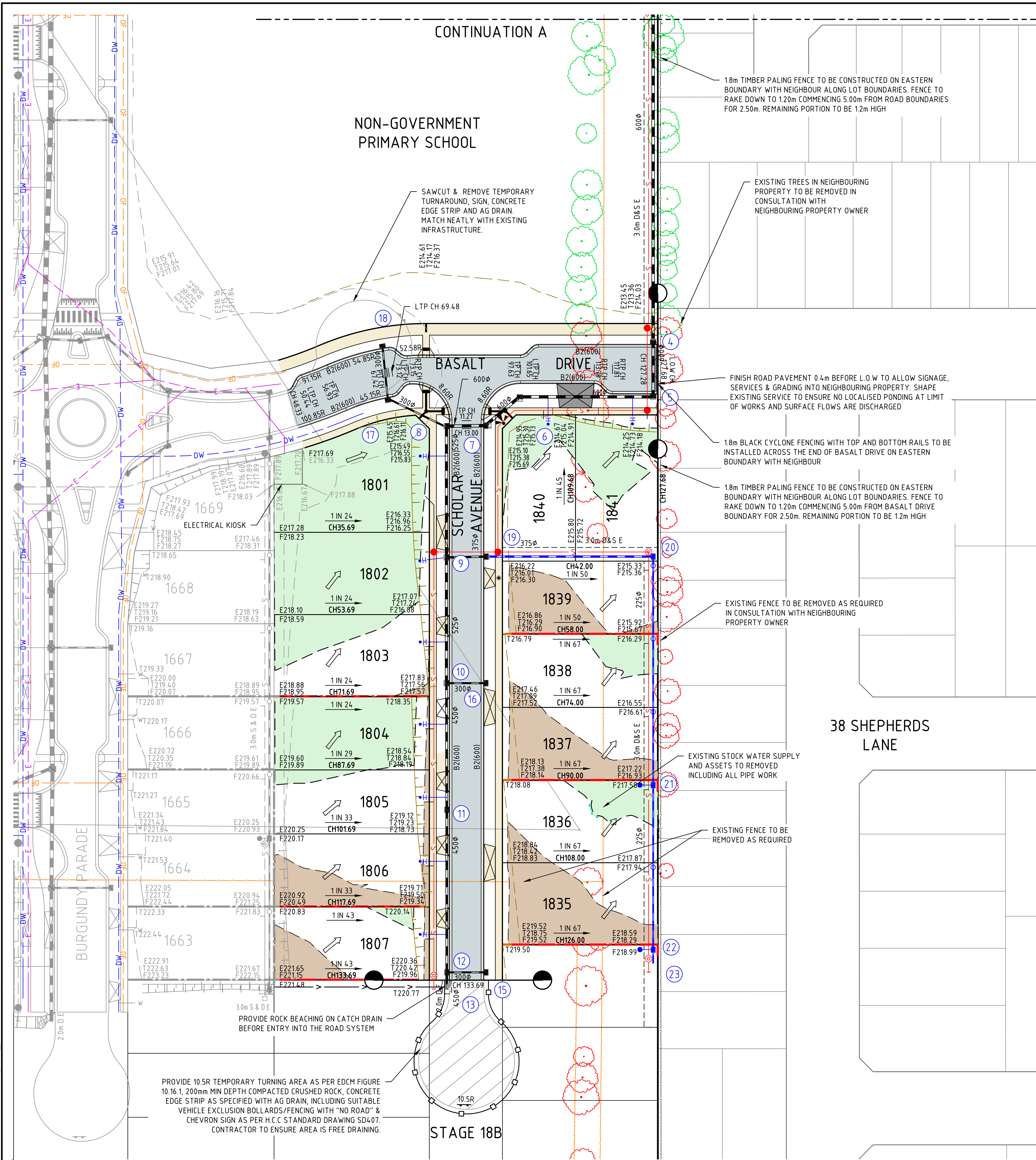
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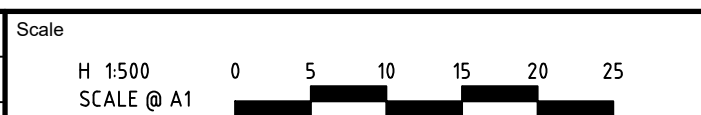
REDSTONE ESTATE
STAGE 18A
ROAD AND DRAINAGE
FACE SHEET
HUME CITY COUNCIL
VILLAWOOD PROPERTIES

AS CONSTRUCTED Drg No 310068-001CR100 Rev 1

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Rev	Amendments	Approved	Date
1	AS CONSTRUCTED	M.R	25/06/26
0	ISSUED FOR CONSTRUCTION	M.R	24/03/25
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A	ISSUED TO COUNCIL	M.R	29/11/24



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Designed
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Authorised
M.RANJANAN

Redstone.
Your world awaits

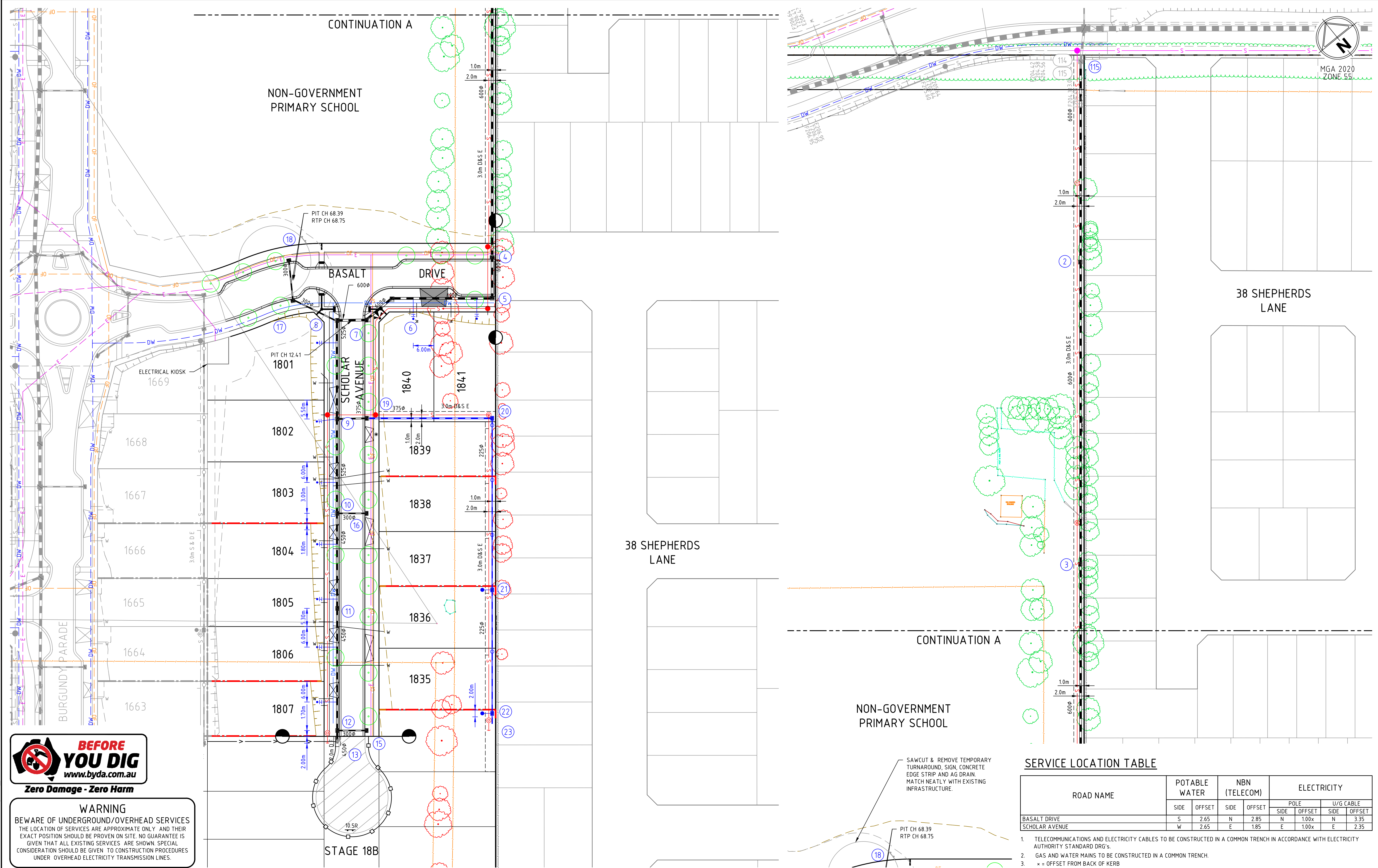
Checked
J.POYNER
Date
29th November 2024

**REDSTONE ESTATE
STAGE 18A
ROAD AND DRAINAGE
FACE PLAN**
HUME CITY COUNCIL
VILLAWOOD PROPERTIES

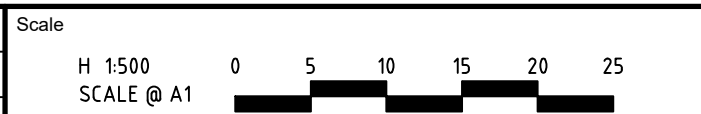
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Drg No
310068-001CR200
Rev
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Designed
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M.RANJANAN

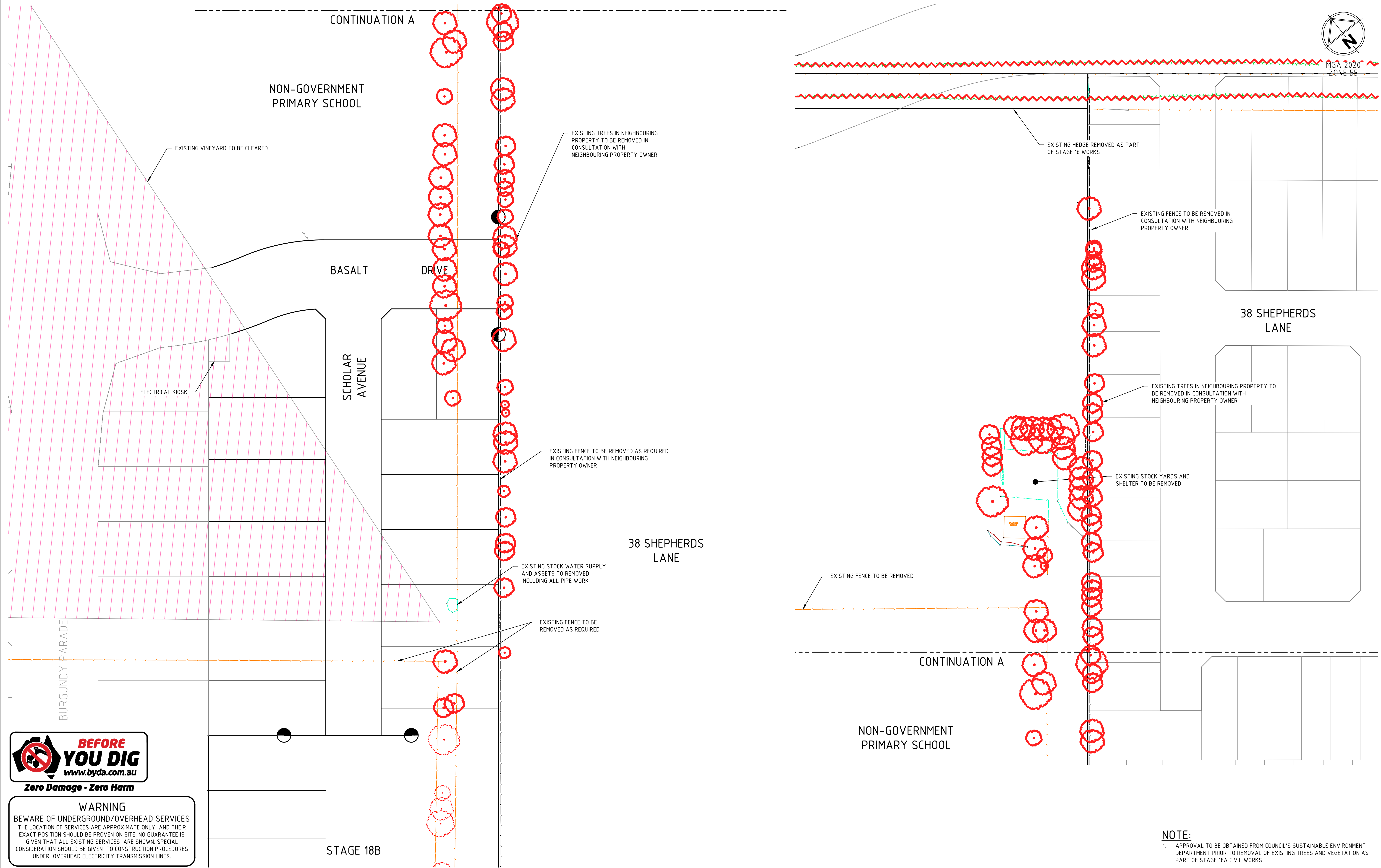


Checked
J.POYNER
Date
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REDSTONE ESTATE
STAGE 18A
ROAD AND DRAINAGE
SERVICES PLAN
HUME CITY COUNCIL
VILLAWOOD PROPERTIES

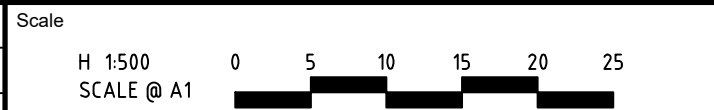
AS CONSTRUCTED
Drg No 310068-001CR201 Rev 1

file name: 310068-001CR202.dwg, layout name: C0202, plotted by: Philip Trish, file location: C:\Users\Philip Trish\OneDrive\Documents\310068-001-Redstone Stage 18A-6538\Civil\ACAD plot date: 26/06/2026 12:01 PM Sheet: 4 of 16 Sheets



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.

Rev	Amendments	Approved	Date
1	AS CONSTRUCTED	M.R	25/06/26
0	ISSUED FOR CONSTRUCTION	M.R	24/03/25
A	ISSUED TO COUNCIL	M.R	29/11/24



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spiire.com.au ABN 55 050 029 635

villawood properties
Communities Designed for Living

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Designed
H.HOGGARD

Checked
J.POYNER

Authorised
M.RANJANAN

Date
29th November 2024

**REDSTONE ESTATE
STAGE 18A
ROAD AND DRAINAGE
EXISTING SITE PLAN**
HUME CITY COUNCIL
VILLAWOOD PROPERTIES

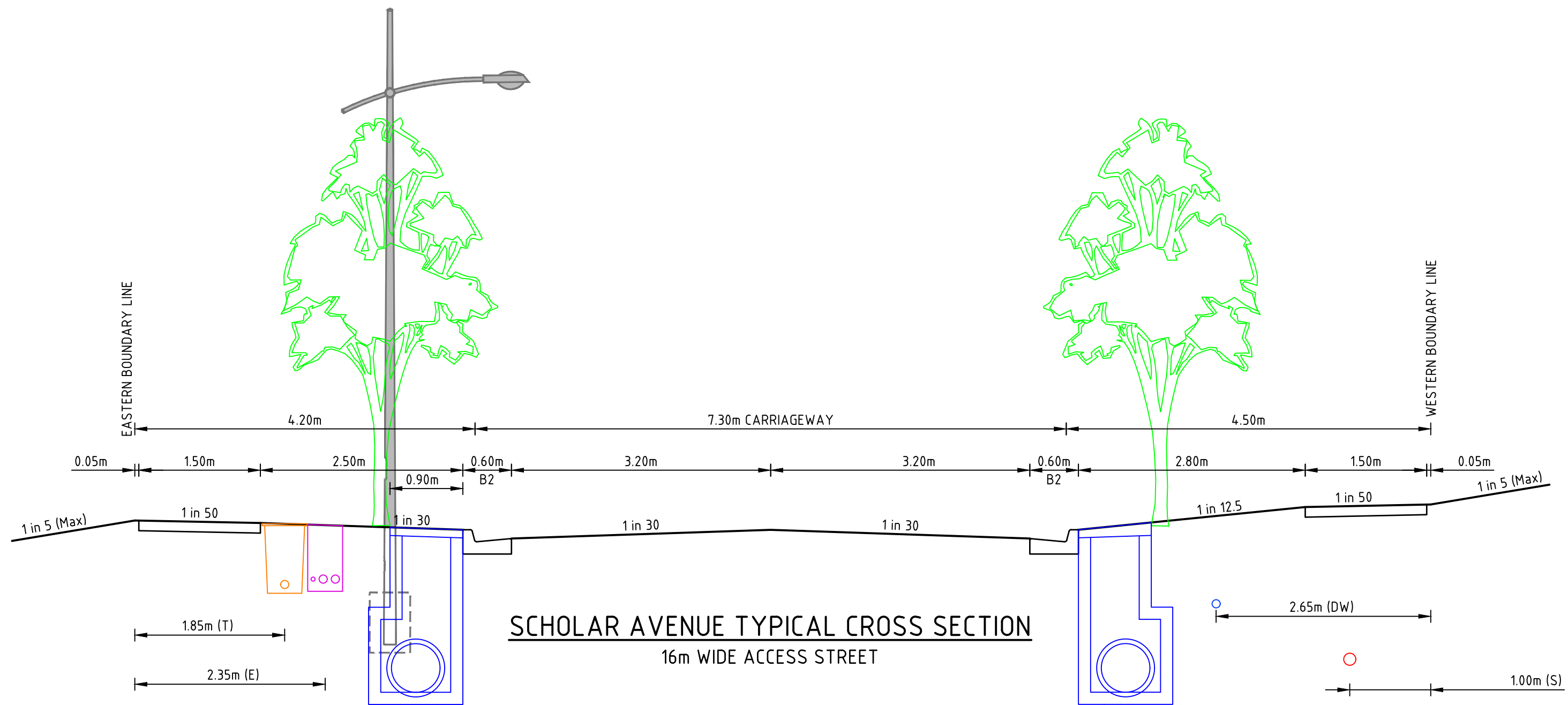
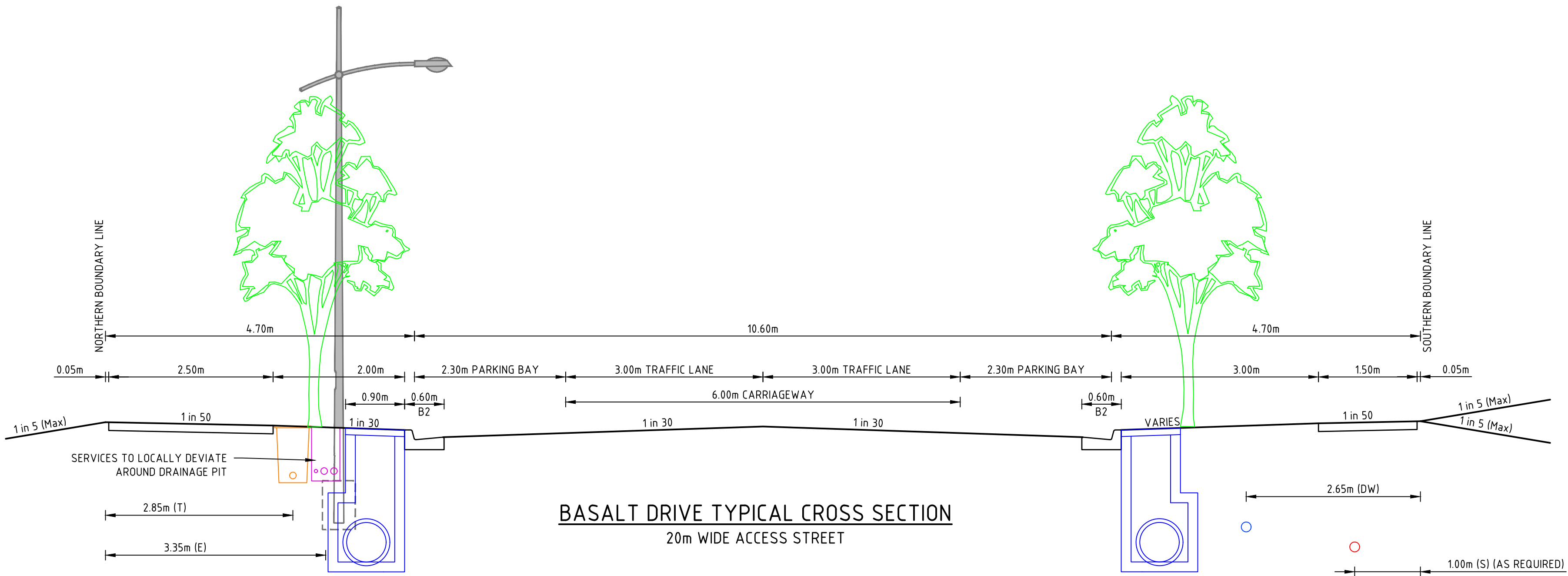
AS CONSTRUCTED

Drg No
310068-001CR202

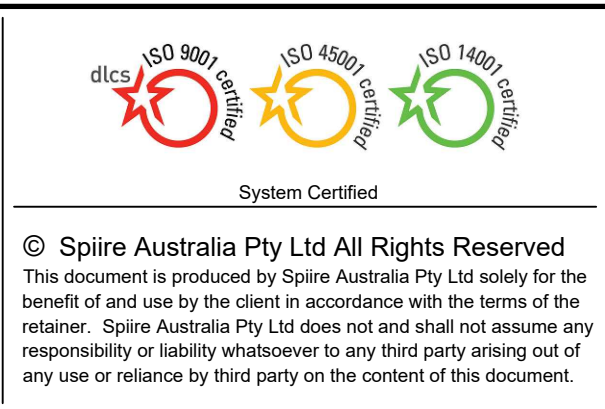
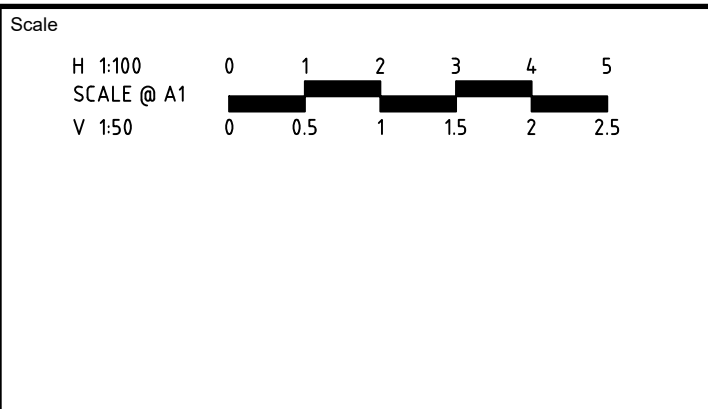
Rev
1



file name: 310068-001CR400.dwg, layout: rsm, csg, 00, plotted by: Philip Trish, file location: C:\Users\p.trish\OneDrive\Documents\310068-001 - Redstone Stage 18A.dwg, 26/06/2026 12:01 PM, Sheet 6 of 16 Sheets



Rev	Amendments	Approved	Date
1	AS CONSTRUCTED	M.R	25/06/26
0	ISSUED FOR CONSTRUCTION	M.R	24/03/25
A	ISSUED TO COUNCIL	M.R	29/11/24



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Checked
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29th November 2024

**REDSTONE ESTATE
STAGE 18A
ROAD AND DRAINAGE
TYPICAL ROAD CROSS SECTIONS**
HUME CITY COUNCIL
VILLAWOOD PROPERTIES

AS CONSTRUCTED

Dwg No
310068-001CR400

Rev
1

file name: 310068-001CR400.dwg, layout name: CSD, plotted by: Philip Trish, file location: C:\Users\p.trish\OneDrive\Documents\310068-001 - Redstone Stage 18A - 6538\Civil\ACAD plot date: 26/06/2026 12:01 PM Sheet: 7 of 16 Sheets

STRUCTURAL FILL IN ACCORDANCE
(REFER TO FILLING NOTE)

FILLING NOTE

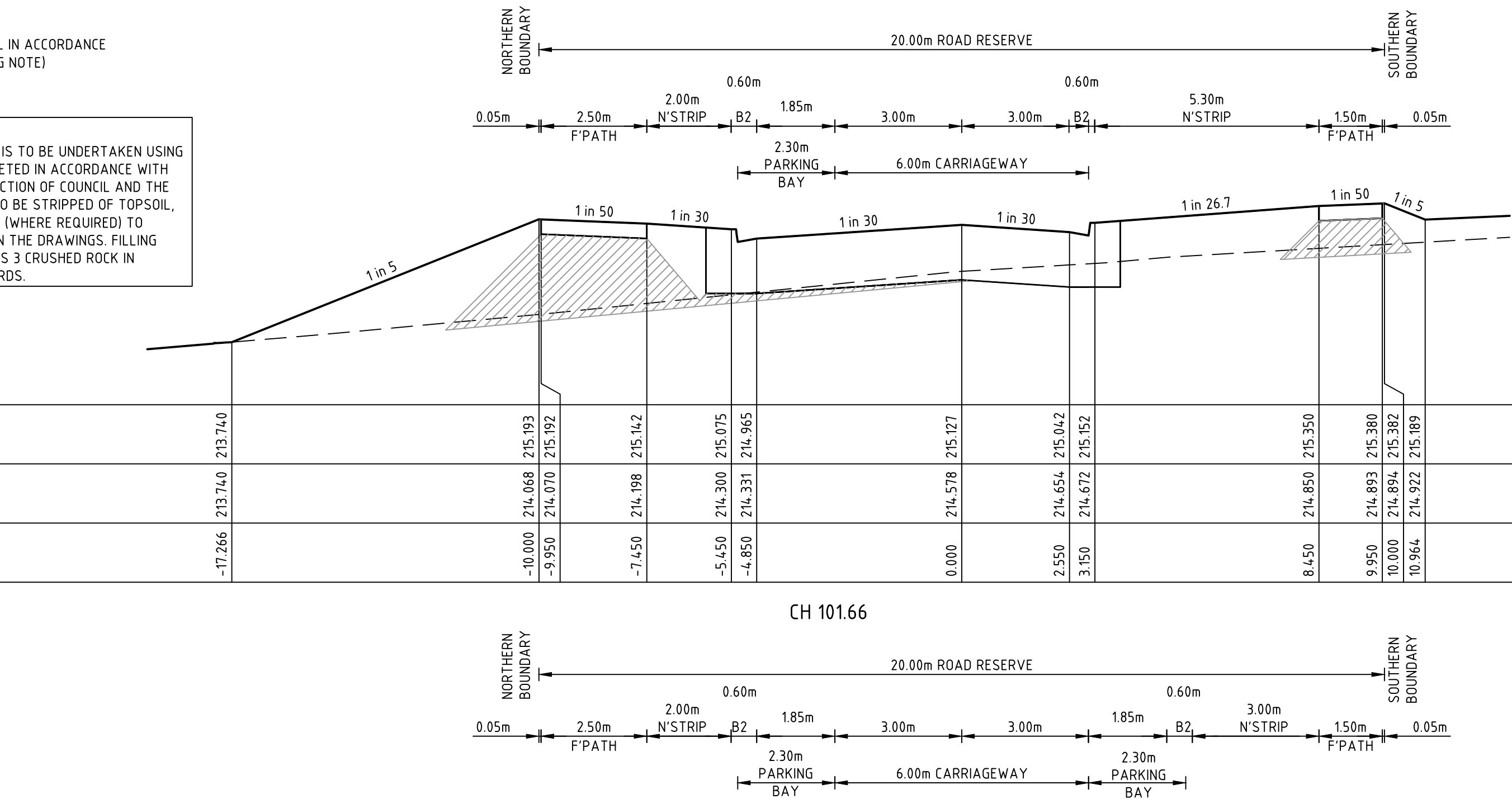
ALL FILLING WITHIN ROAD RESERVES IS TO BE UNDERTAKEN USING LEVEL 1 SUPERVISION AND BE COMPLETED IN ACCORDANCE WITH AS 3798-2007 AND TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND REPLACED WITH TOPSOIL (WHERE REQUIRED) TO OBTAIN THE FINAL LEVELS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

DATUM R.L.213.0

DESIGN SURFACE LEVEL	213.740			215.193	215.192	215.142	215.075	214.965		215.127	215.042	215.152		215.350	215.380	215.382	215.189
EXISTING SURFACE LEVEL	213.740		214.668	214.070	215.192	214.198	214.300	214.331		214.578	214.654	214.672		214.850	214.893	214.894	214.922
OFFSET	-17.266		-10.000	-9.950	-7.450	-5.450	-4.850		0.000		2.550	3.150		8.450	9.950	10.000	10.964

BASALT DRIVE

CH 101.66

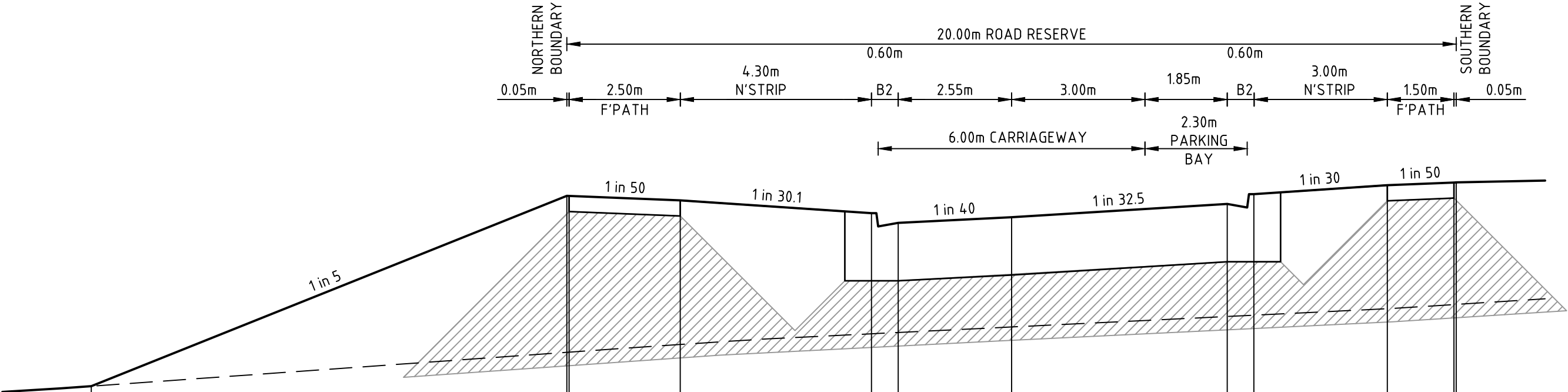


DATUM R.L.213.0

DESIGN SURFACE LEVEL	214.435			216.526	216.525	216.475	216.408	216.298		216.458	216.297	216.407		216.507	216.537	216.538	216.734
EXISTING SURFACE LEVEL	214.435		214.877	214.879	216.525	214.969	215.040	215.061		215.232	215.388	215.408		215.505	215.555	215.558	215.593
OFFSET	-20.455		-10.000	-9.950	-7.450	-5.450	-4.850		0.000		4.850	5.450		8.450	9.950	10.000	10.978

BASALT DRIVE

CH 68.75



DATUM R.L.214.0

DESIGN SURFACE LEVEL	215.386			217.526	217.524	217.474	217.331	217.221		217.485	217.435	217.445		217.445	217.475	217.676	
EXISTING SURFACE LEVEL	215.386		215.167	215.169	217.524	215.855	215.975	215.990		216.052	216.170	216.184		216.257	216.304	216.305	217.676
OFFSET	-20.699		-10.001	-9.951	-7.451	-3.150	-2.550		0.000		4.850	5.450		8.450	9.950	10.000	

BASALT DRIVE

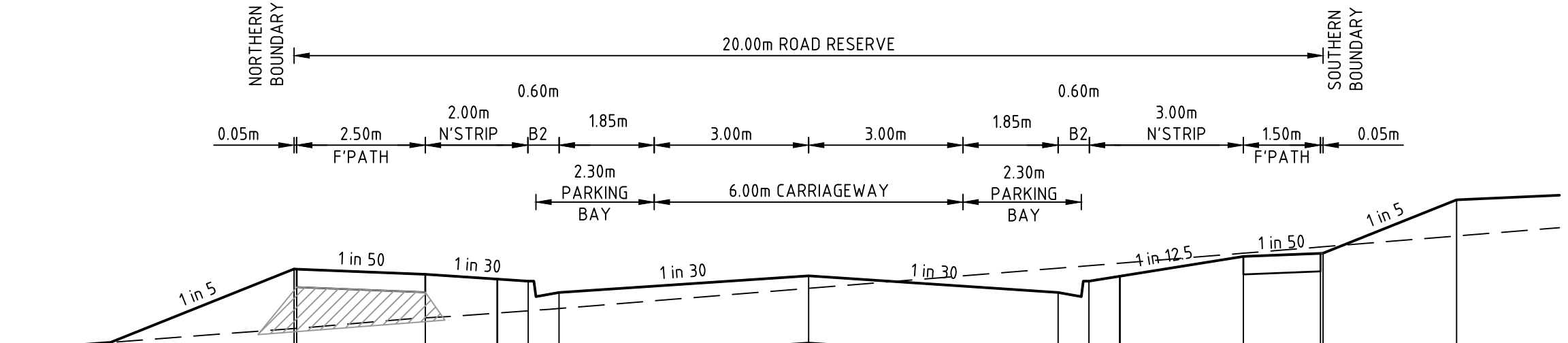
CH 46.33

DATUM R.L.212.0

DESIGN SURFACE LEVEL	213.328			214.041	214.039	213.989	213.922	213.812		213.974	213.922	213.812		214.162	214.192	214.194	214.713
EXISTING SURFACE LEVEL	213.328		213.462	213.464	214.039	213.566	213.634	213.812		213.852	213.922	213.922		214.194	214.254	214.256	214.713
OFFSET	-13.566		-10.000	-9.950	-7.450	-5.450	-4.850		0.000		4.850	5.450		8.450	9.950	10.000	12.594

BASALT DRIVE

CH 127.28



Rev	Amendments	Approved	Date
1	AS CONSTRUCTED	M.R.	25/06/26
0	ISSUED FOR CONSTRUCTION	M.R.	24/03/25
C	BASALT DRIVE APPROACHING L.O.W AMENDED	M.R.	14/03/25
B	COUNCIL RESUBMISSION	M.R.	24/02/25
A	ISSUED TO COUNCIL	M.R.	29/11/24

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

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Authorised
M.RANJANAN

Checked
J.POYNER

Date
29th November 2024

**REDSTONE ESTATE
STAGE 18A
ROAD AND DRAINAGE
ROAD CROSS SECTIONS - SHEET 1**
HUME CITY COUNCIL
VILLAWOOD PROPERTIES

AS CONSTRUCTED

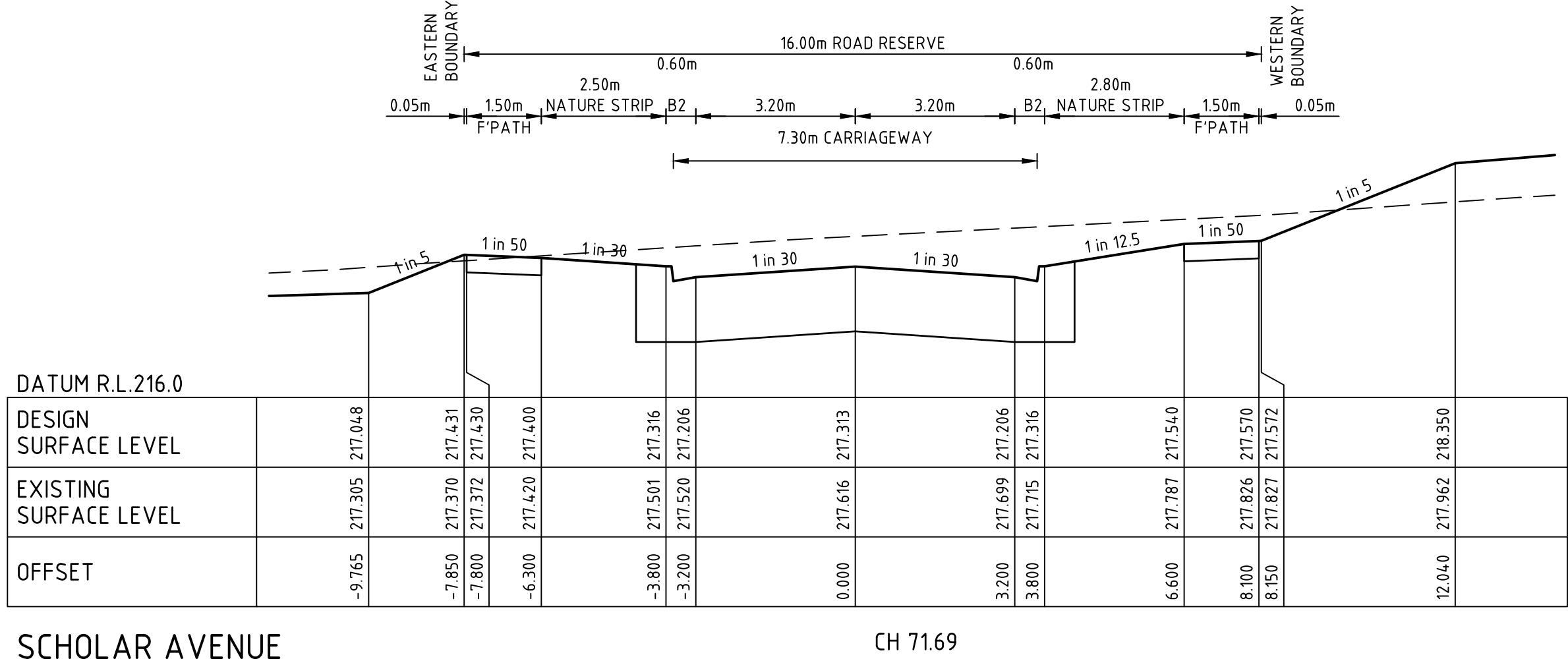
Drg No
310068-001CR401

Rev
1

STRUCTURAL FILL IN ACCORDANCE
(REFER TO FILLING NOTE)

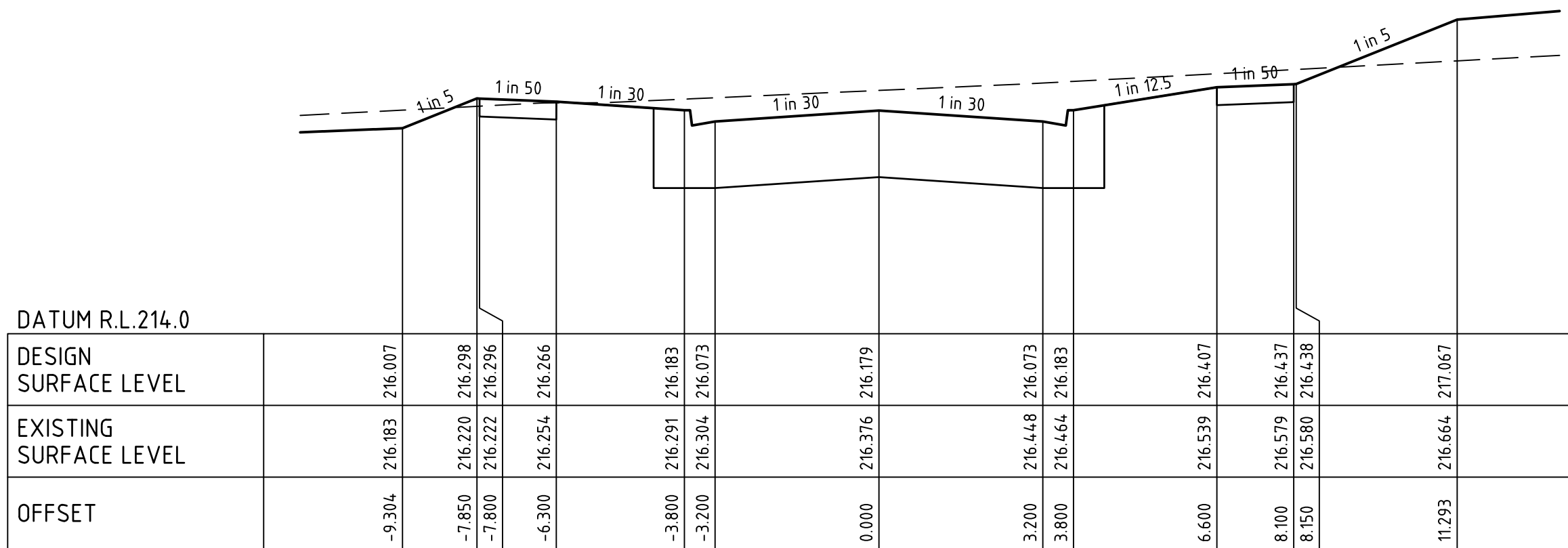
FILLING NOTE

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



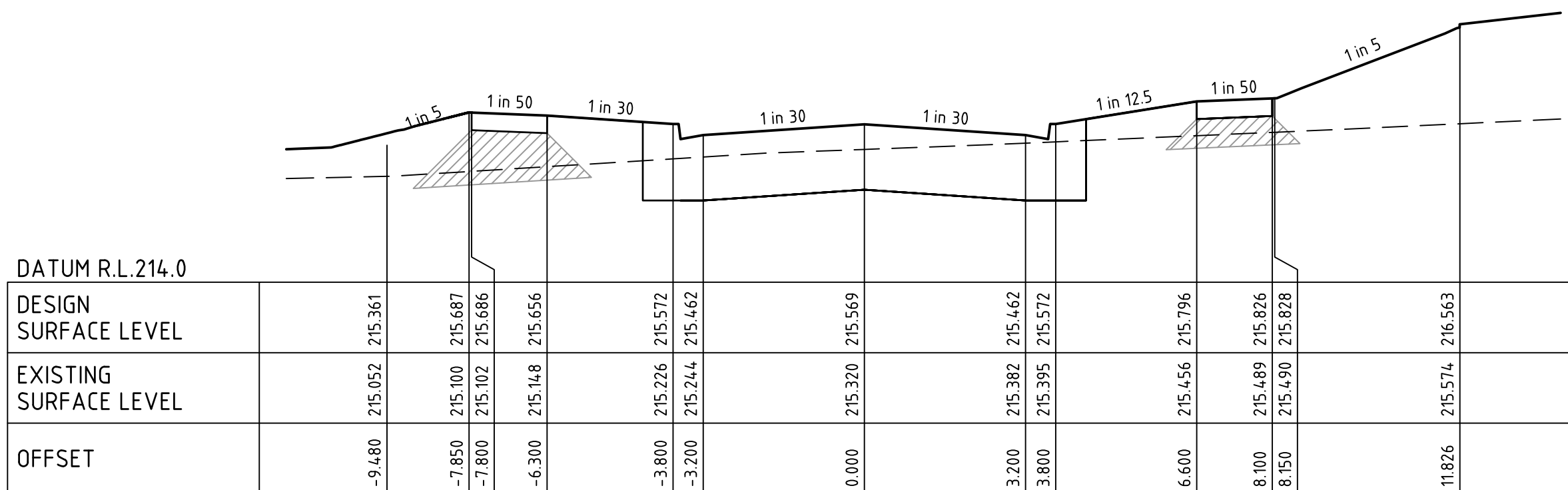
SCHOLAR AVENUE

CH 71.69



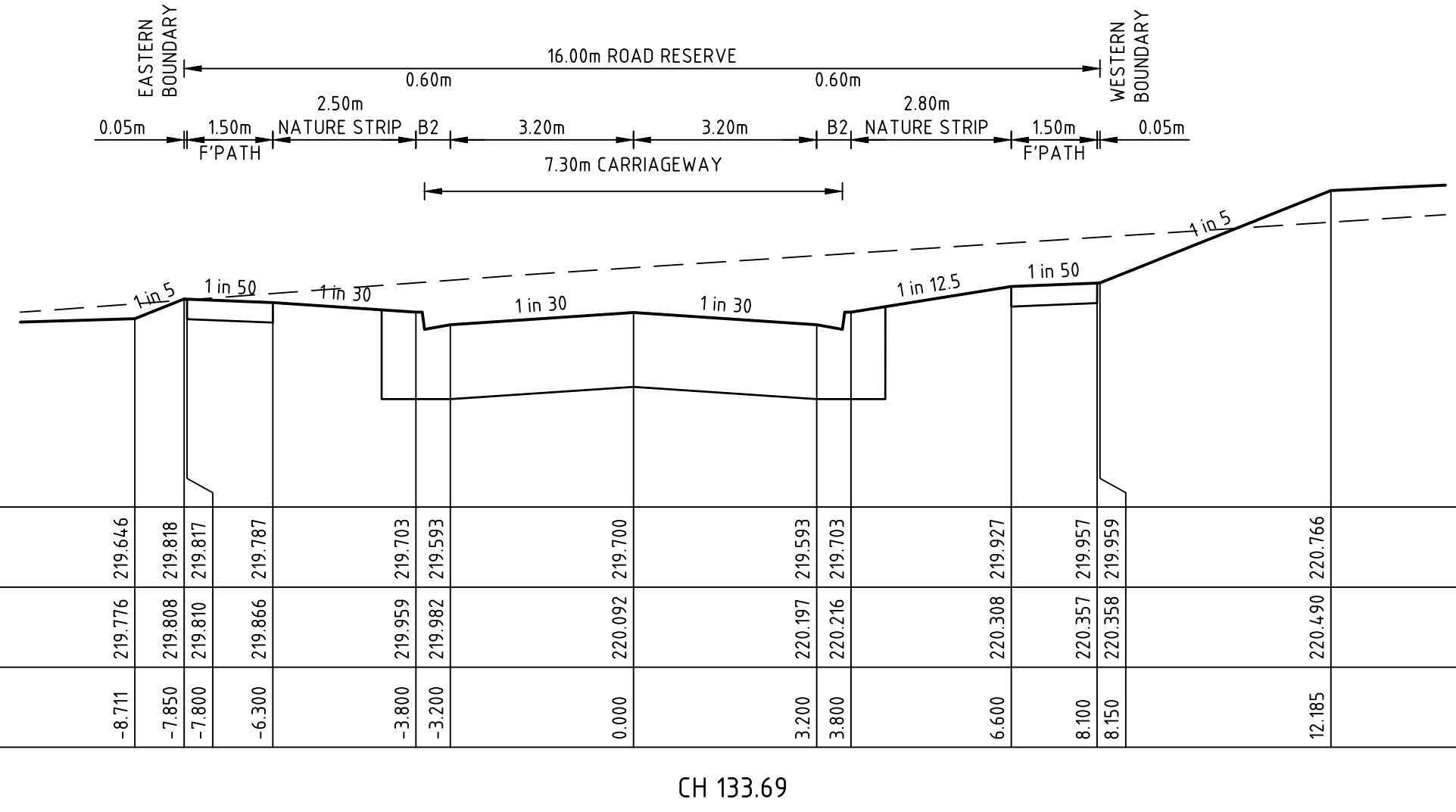
SCHOLAR AVENUE

CH 42.00



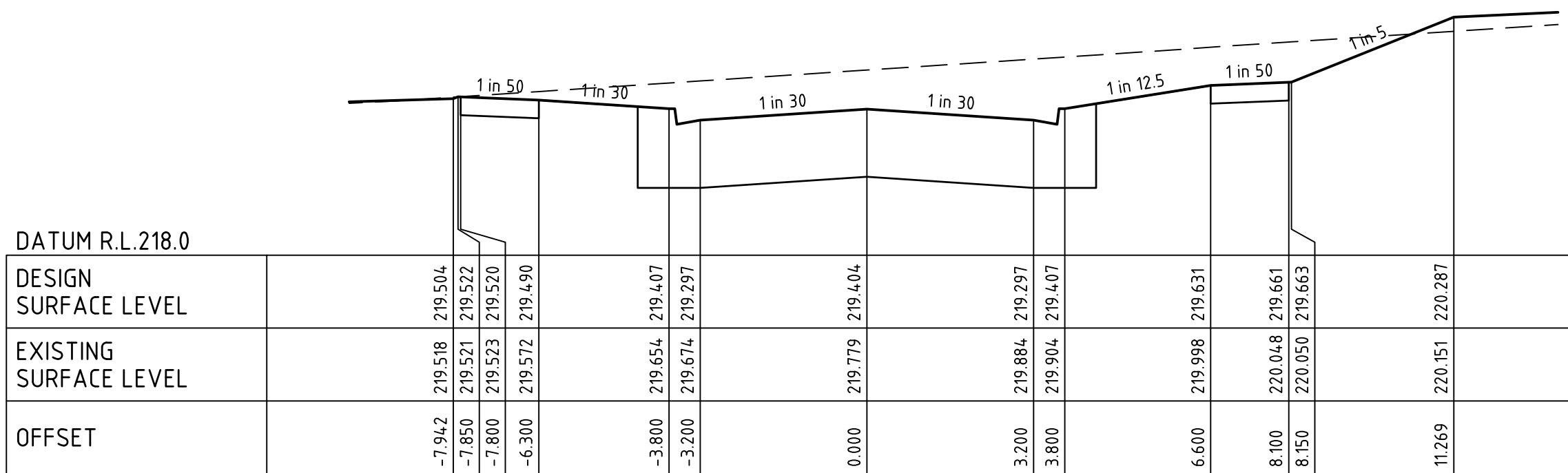
SCHOLAR AVENUE

CH 13.00



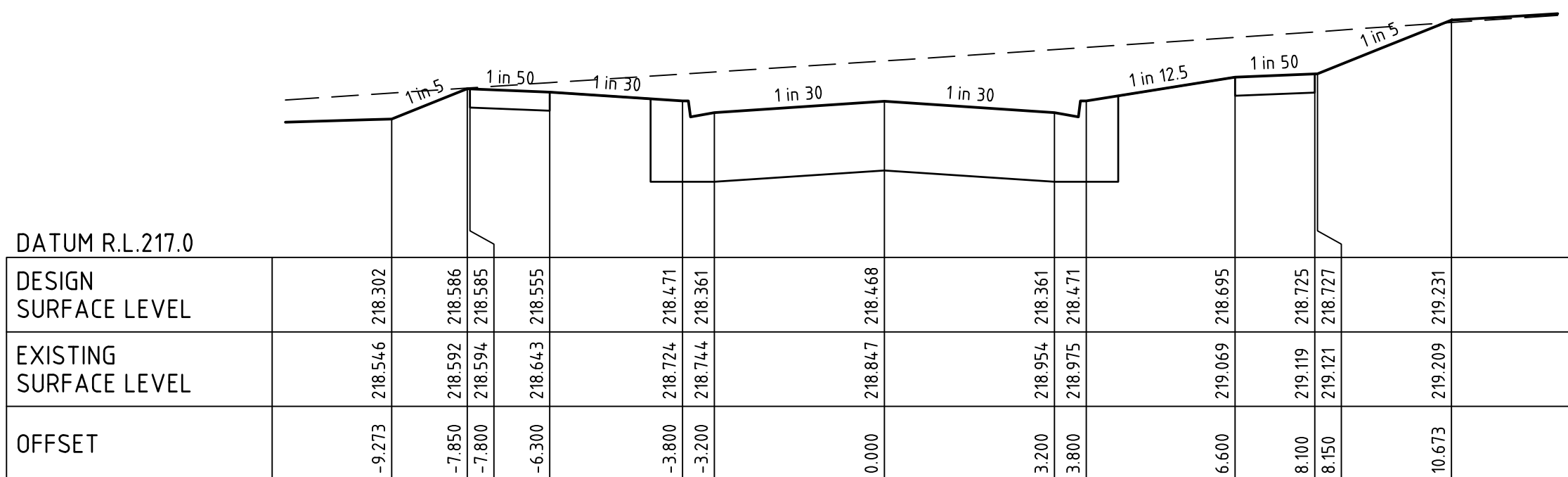
SCHOLAR AVENUE

CH 133.69



SCHOLAR AVENUE

CH 126.00



SCHOLAR AVENUE

CH 101.69

file name: 310068-001CR400.dwg, layout name: CS4.02, plotted by: Philip Trish, file location: C:\Users\p.trish\OneDrive\Documents\310068-001-Redstone Stage 18A-6538\Civil\ACAD plot date: 26/06/2026 12:01 PM Sheet: 8 of 16 Sheets

Rev	Amendments	Approved	Date
1	AS CONSTRUCTED	M.R	25/06/26
0	ISSUED FOR CONSTRUCTION	M.R	24/03/25
A	ISSUED TO COUNCIL	M.R	29/11/24

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

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Authorised
M.RANJANAN



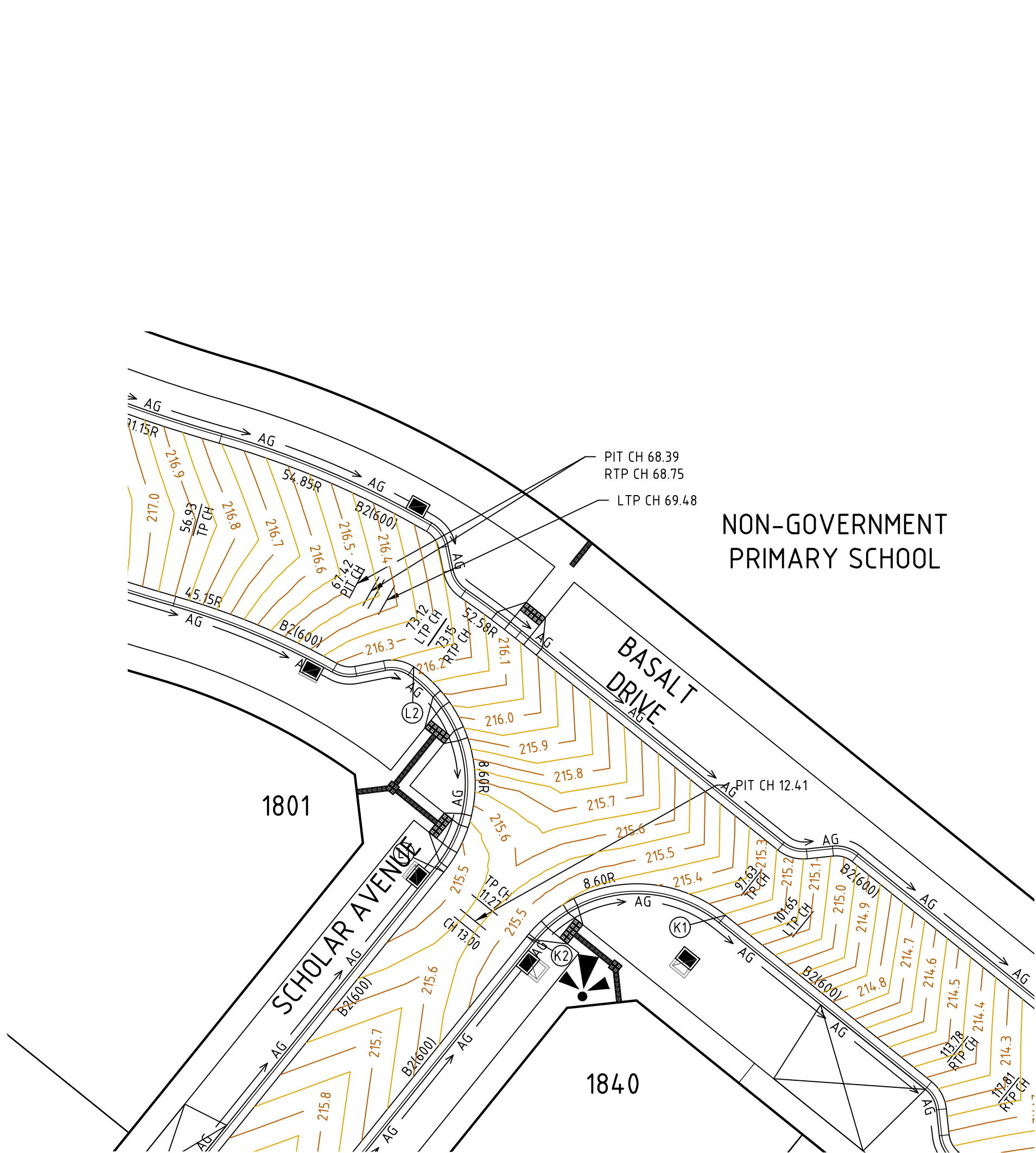
Checked
J.POYNER

Date
29th November 2024

REDSTONE ESTATE
STAGE 18A
ROAD AND DRAINAGE
ROAD CROSS SECTIONS - SHEET 2
HUME CITY COUNCIL
VILLAWOOD PROPERTIES

AS CONSTRUCTED Drg No 310068-001CR402 Rev 1

file name: 310068-001CR500.dwg, layout name: CR500, plotted by: Philip Trish, file location: C:\Users\p.trish\OneDrive\Documents\310068-001 - Redstone Stage 18A - Redstone Stage 18A.dwg, plot date: 26/06/2026 12:01 PM, Sheet: 9 of 16 Sheets



ALIGNMENT K

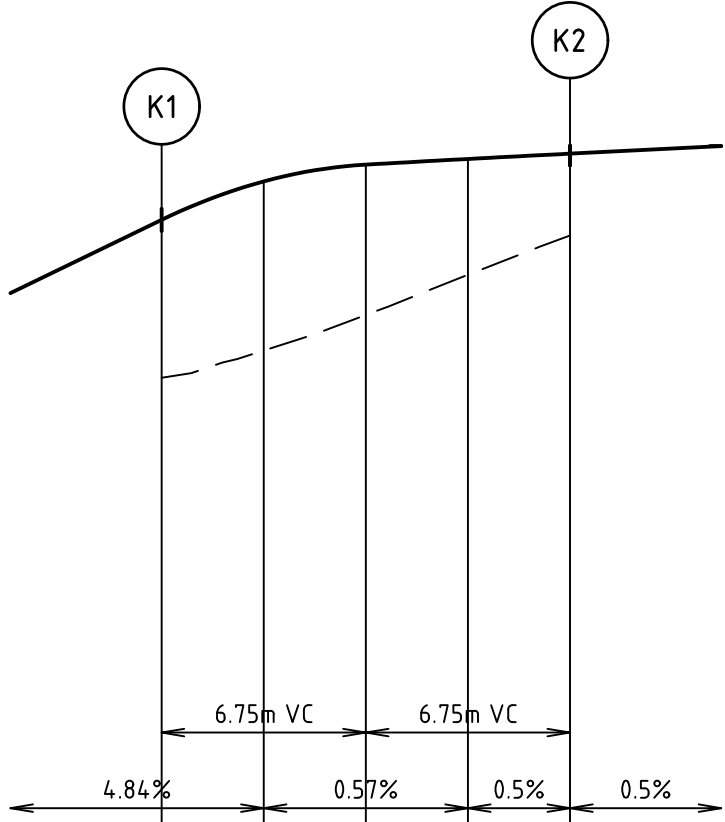
POINT NO	EASTING	NORTHING	RL
K1	302321.304	5835233.882	215.245
1/4	302318.332	5835235.439	215.373
1/2	302314.990	5835235.741	215.428
3/4	302311.787	5835234.741	215.447
K2	302309.211	5835232.591	215.464

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
K1-K2	8.600	13.509	12.162	2.519	-0.655

ALIGNMENT L

POINT NO	EASTING	NORTHING	RL
L1	302304.155	5835236.517	215.464
1/4	302305.759	5835239.652	215.552
1/2	302305.972	5835243.166	215.780
3/4	302304.758	5835246.472	216.037
L2	302302.322	5835249.014	216.210

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
L1-L2	8.600	14.185	12.631	2.763	-0.721



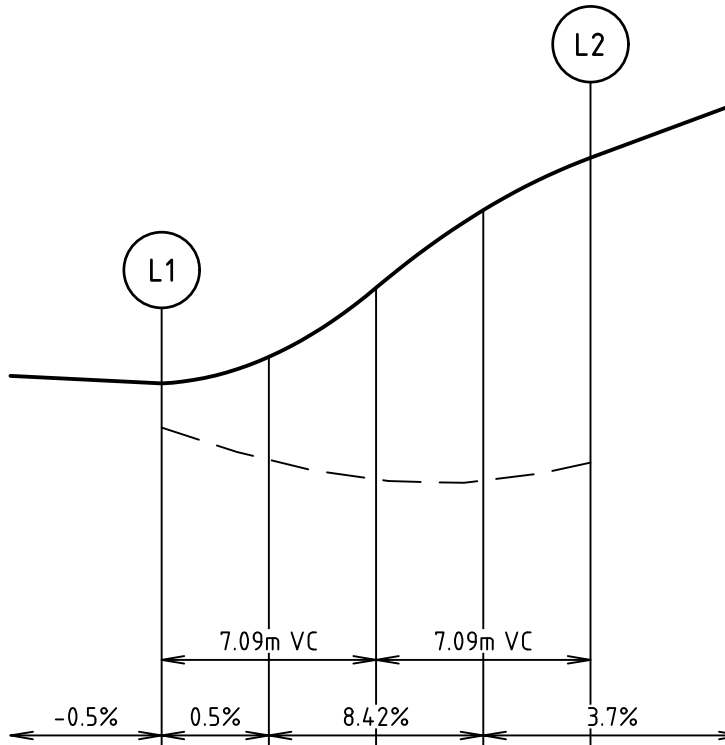
VERTICAL GEOMETRY

DESIGN GRADELINE

DATUM RL 213.0

DESIGN LEVEL	215.245	215.373	215.428	215.447	215.464
CHAINAGE	0.000	3.377	6.754	10.132	13.509

ALIGNMENT K



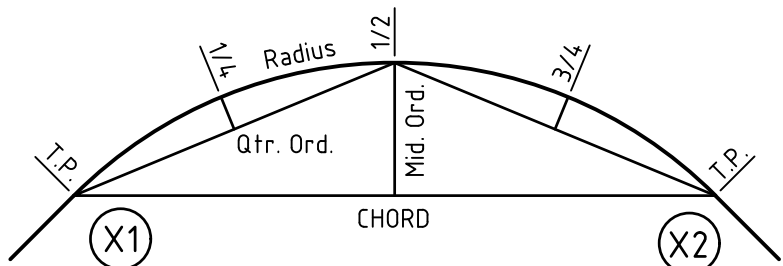
VERTICAL GEOMETRY

DESIGN GRADELINE

DATUM RL 214.0

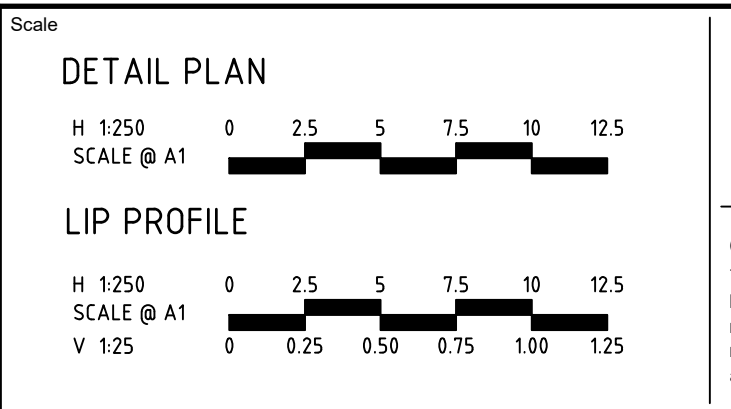
DESIGN LEVEL	215.464	215.552	215.780	216.037	216.210
CHAINAGE	0.000	3.546	7.092	10.639	14.185

ALIGNMENT L



KERB RETURN SETOUT DETAIL

Rev	Amendments	Approved	Date
1	AS CONSTRUCTED	M.R	25/06/26
0	ISSUED FOR CONSTRUCTION	M.R	24/03/25
B	BASALT DRIVE PAVEMENT & KERB ALIGNMENT K AMENDED	M.R	14/03/25
A	ISSUED TO COUNCIL	M.R	29/11/24



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Designed
H.HOGGARD
Authorised
M.RANJANAN

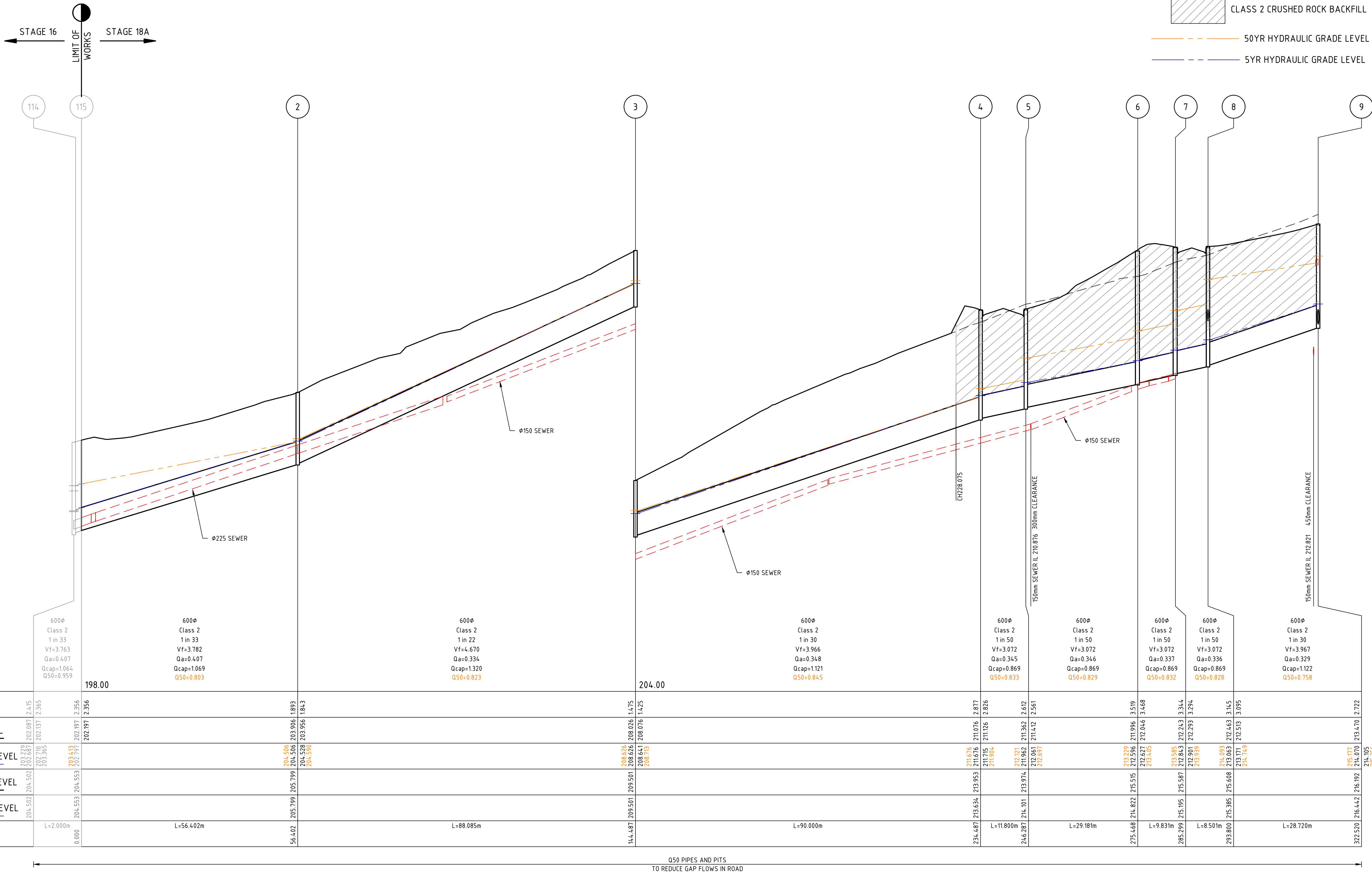


Checked
J.POYNOR
Date
29th November 2024

REDSTONE ESTATE
STAGE 18A
ROAD AND DRAINAGE
INTERSECTION DETAILS
HUME CITY COUNCIL
VILLAWOOD PROPERTIES

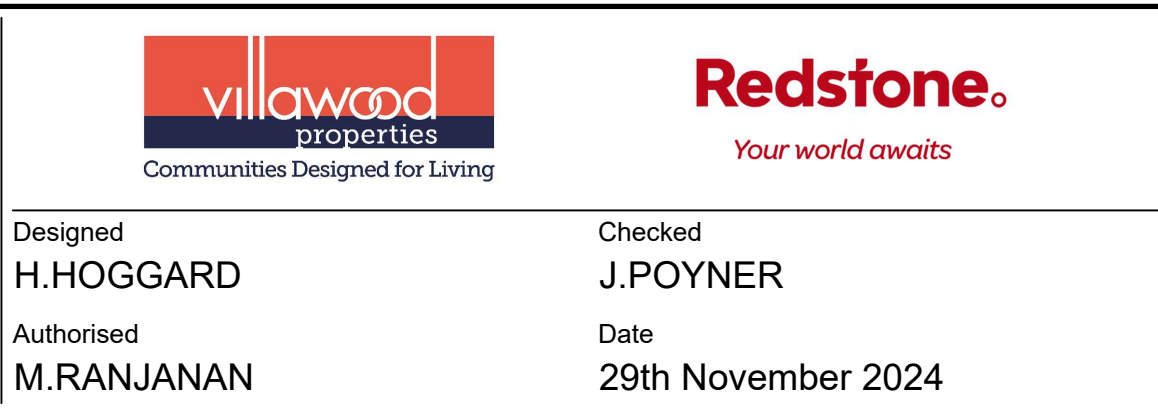
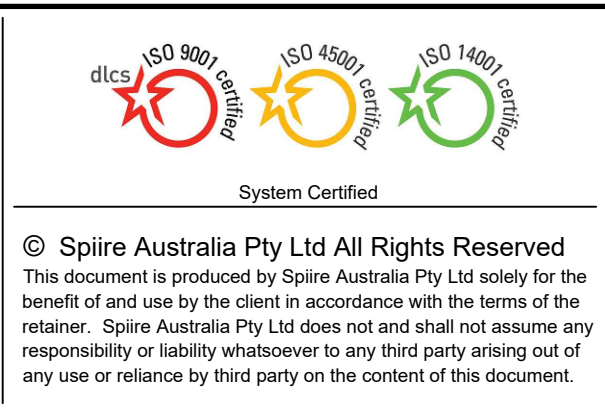
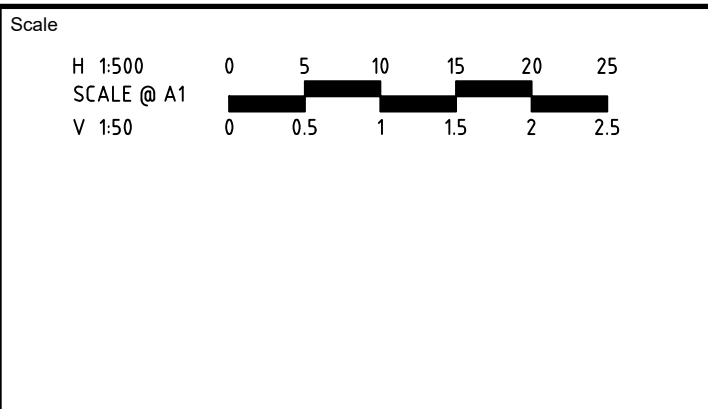
AS CONSTRUCTED Drg No 310068-001CR500 Rev 1

file name: 310068-001CR600.dwg, layout name: C6000, plotted by: Philip Trish, file location: C:\Users\p.trish\OneDrive\Documents\310068-001 - Redstone Stage 18A - 6538\Civil\ACAD plot date: 26/06/2026 12:01 PM Sheet: 10 of 16 Sheets



Q50 PIPES AND PITS
TO REDUCE GAP FLOWS IN ROAD

Rev	Amendments	Approved	Date
1	AS CONSTRUCTED	M.R.	25/06/26
0	ISSUED FOR CONSTRUCTION	M.R.	24/03/25
C	SWD PITS 4, 5 & 6 FINISHED SURFACE LEVELS AMENDED	M.R.	14/03/25
B	COUNCIL RESUBMISSION	M.R.	24/02/25
A	ISSUED TO COUNCIL	M.R.	29/11/24



**REDSTONE ESTATE
STAGE 18A
ROAD AND DRAINAGE
DRAINAGE LONG SECTIONS - SHEET 1
HUME CITY COUNCIL
VILLAWOOD PROPERTIES**

AS CONSTRUCTED

Drg No
310068-001CR600

Rev
1

file name: 310068-001CR600.dwg, layout name: C6001, plotted by: Philip Trish, file location: C:\Users\p.trish\OneDrive\Documents\310068-001 - Redstone Stage 18A - 6538\Civil\ACAD plot date: 26/06/2026 12:01 PM Sheet: 11 of 16 Sheets

CLASS 2 CRUSHED ROCK BACKFILL

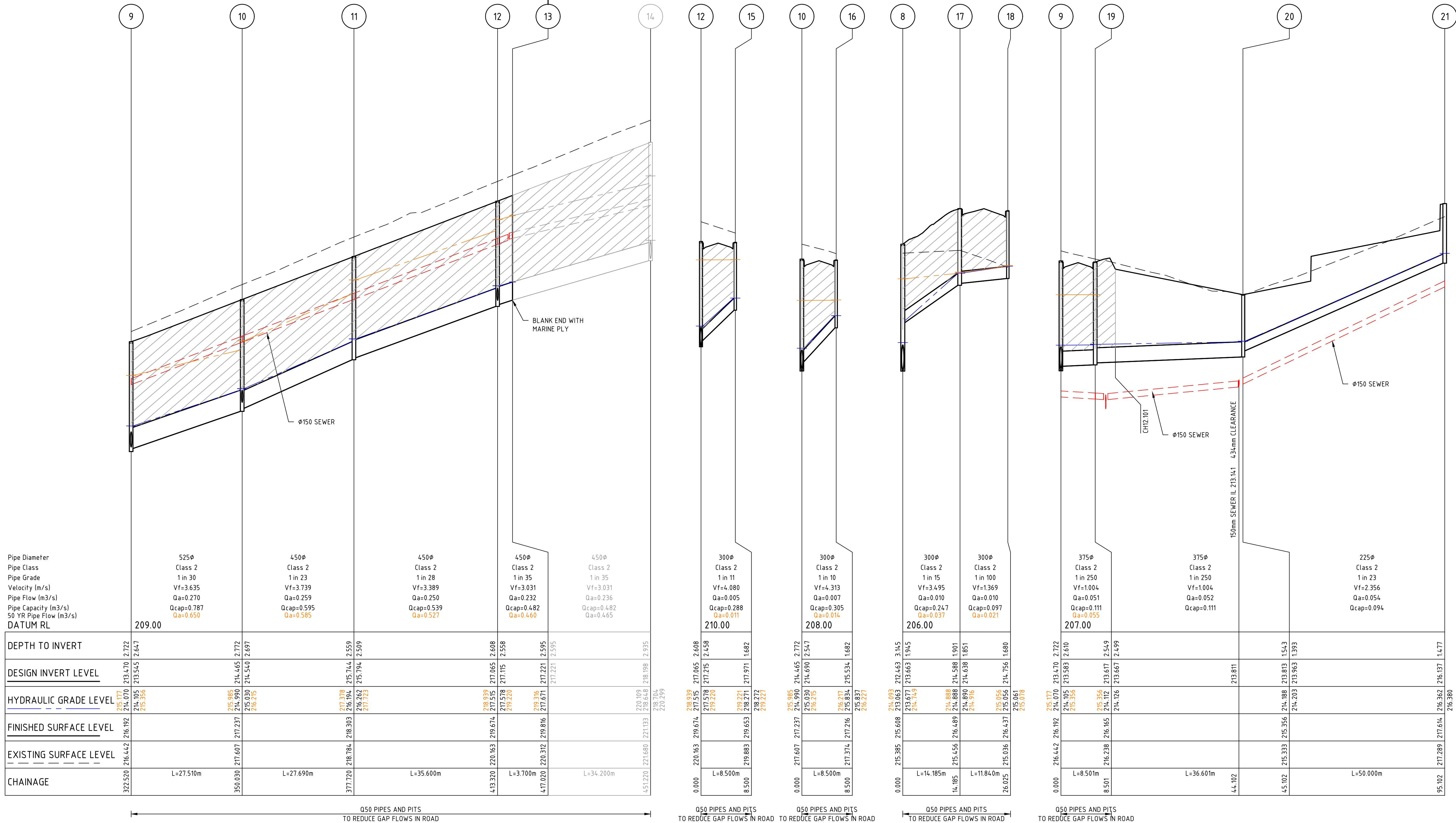
50YR HYDRAULIC GRADE LEVEL

5YR HYDRAULIC GRADE LEVEL

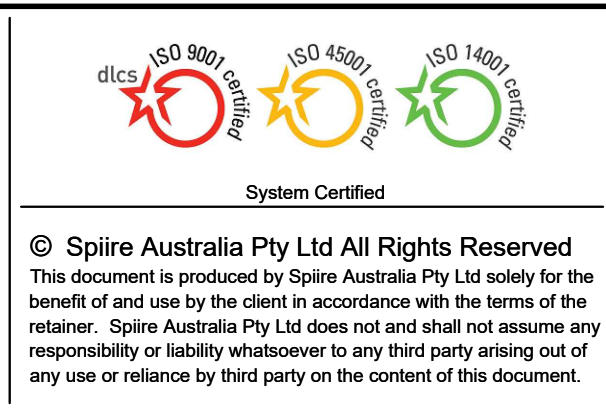
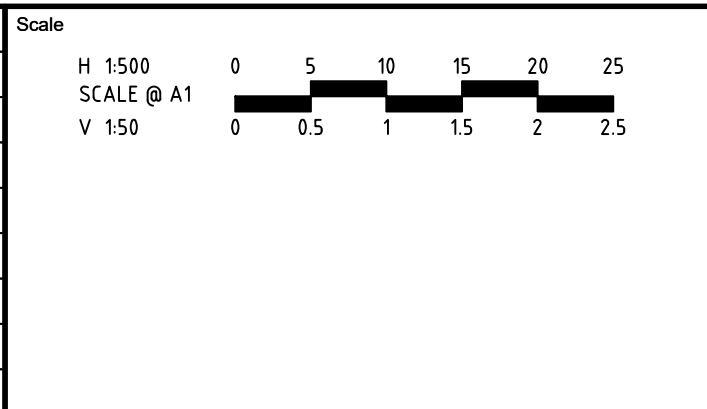
STAGE 18A

STAGE 18B

LIMIT OF WORKS



Rev	Amendments	Approved	Date
1	AS CONSTRUCTED	M.R	25/06/26
0	ISSUED FOR CONSTRUCTION	M.R	24/03/25
B	COUNCIL RESUBMISSION	M.R	24/02/25
A	ISSUED TO COUNCIL	M.R	29/11/24



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Checked
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29th November 2024

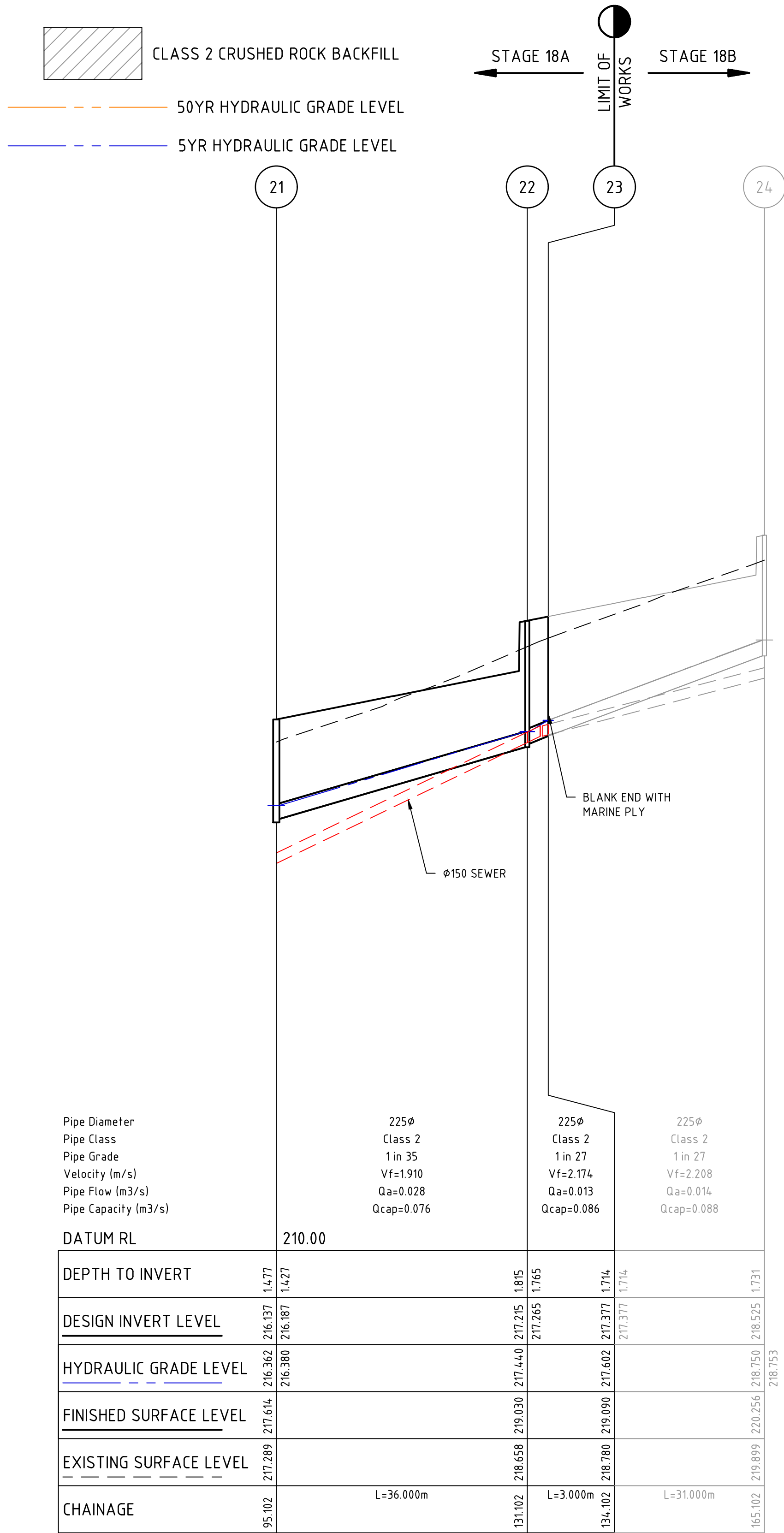
**REDSTONE ESTATE
STAGE 18A
ROAD AND DRAINAGE
DRAINAGE LONG SECTIONS - SHEET 2**
HUME CITY COUNCIL
VILLAWOOD PROPERTIES

AS CONSTRUCTED

Drw No
310068-001CR601

Rev
1

file name: 310068-001CR602.dwg, layout name: C602, plotted by: Philip Trish, file location: C:\Users\pauls\OneDrive\Documents\310068-001 - Redstone Stage 18A - Redstone Stage 18A.dwg, plot date: 26/06/2026 12:01 PM, Sheet 12 of 16 Sheets

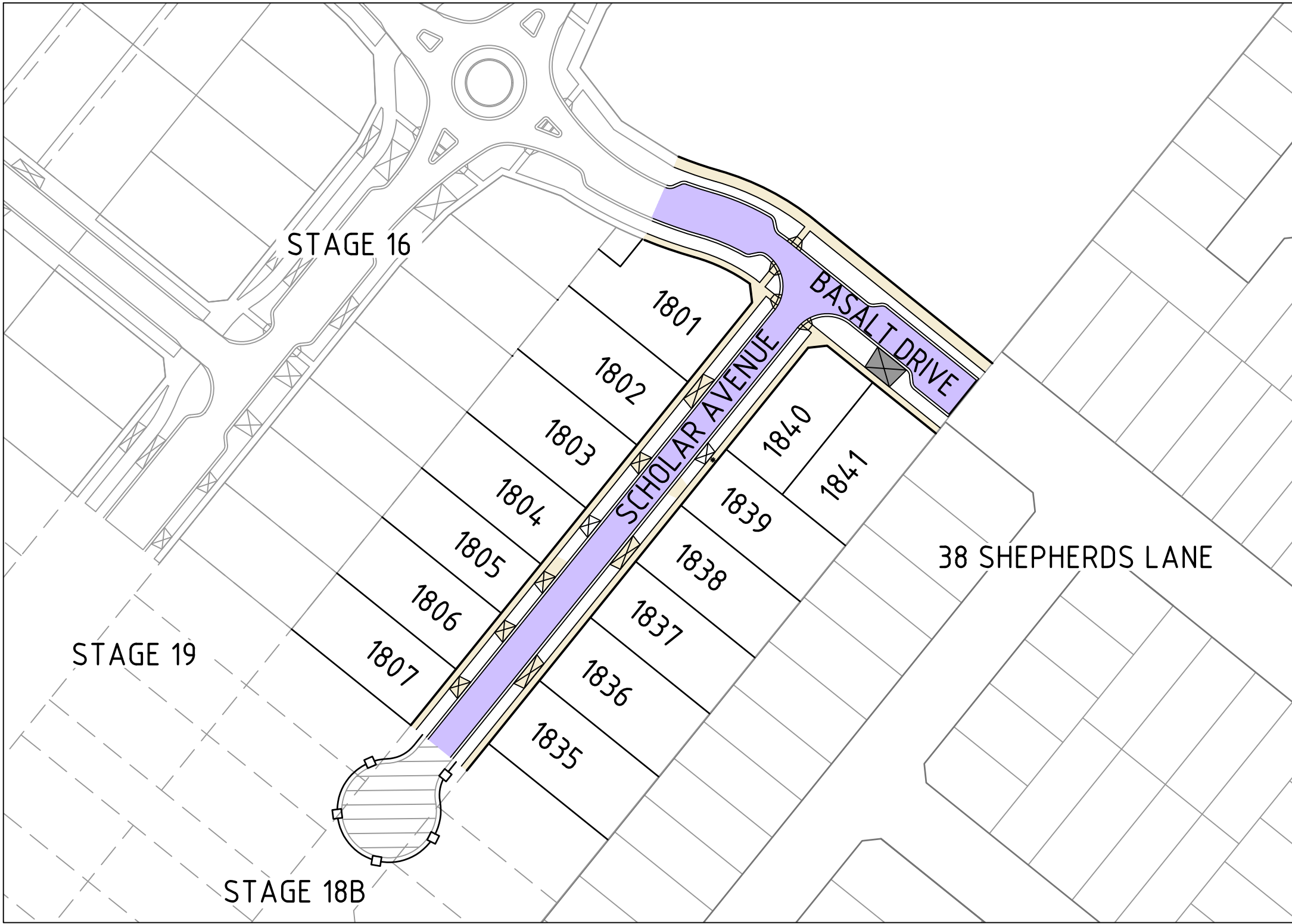
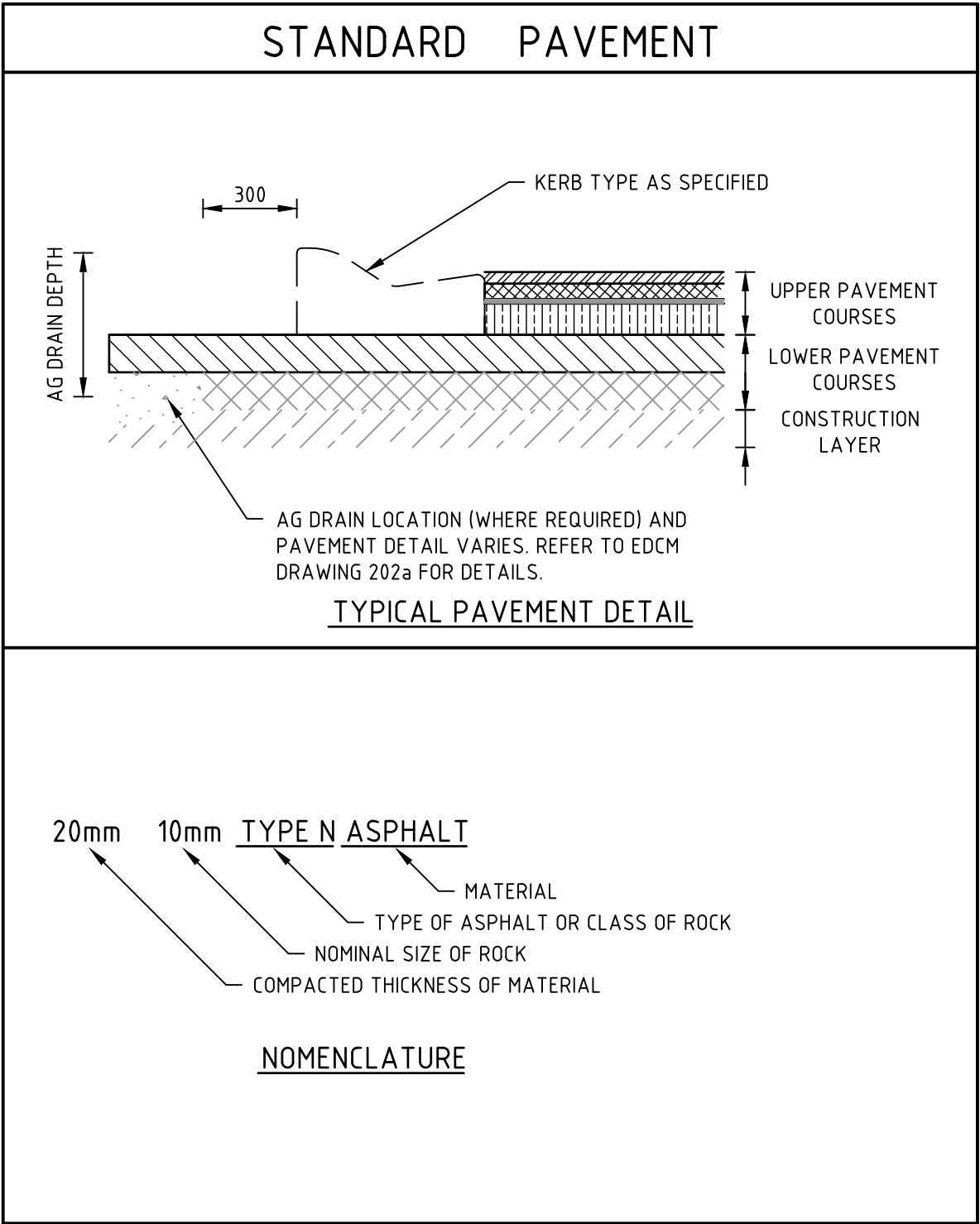


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DESIGN PAVEMENT PROFILE

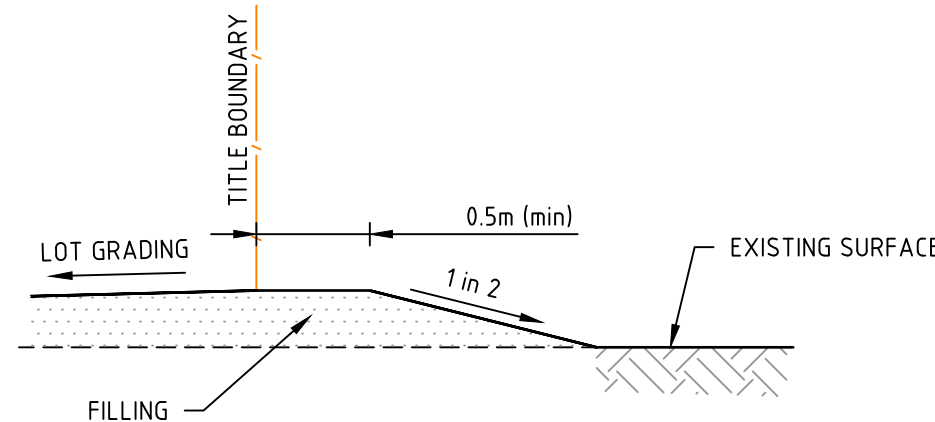
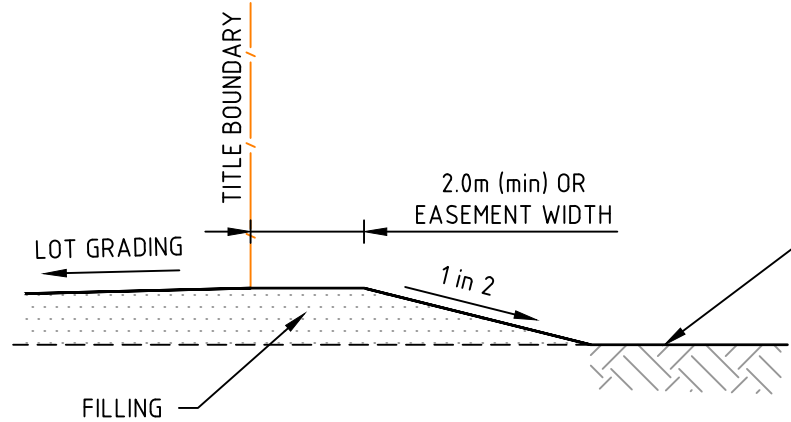
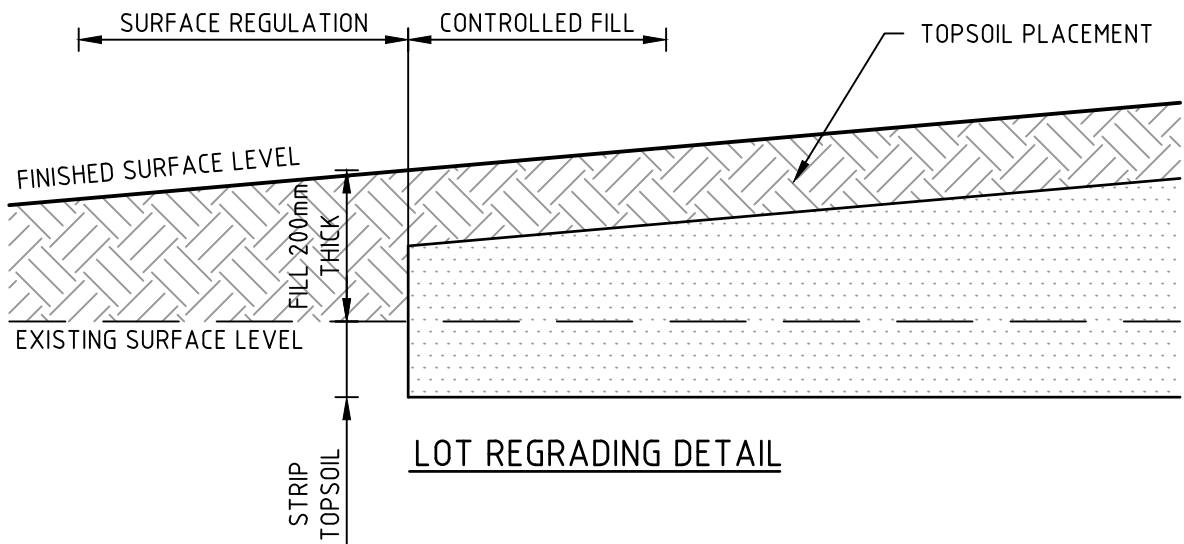
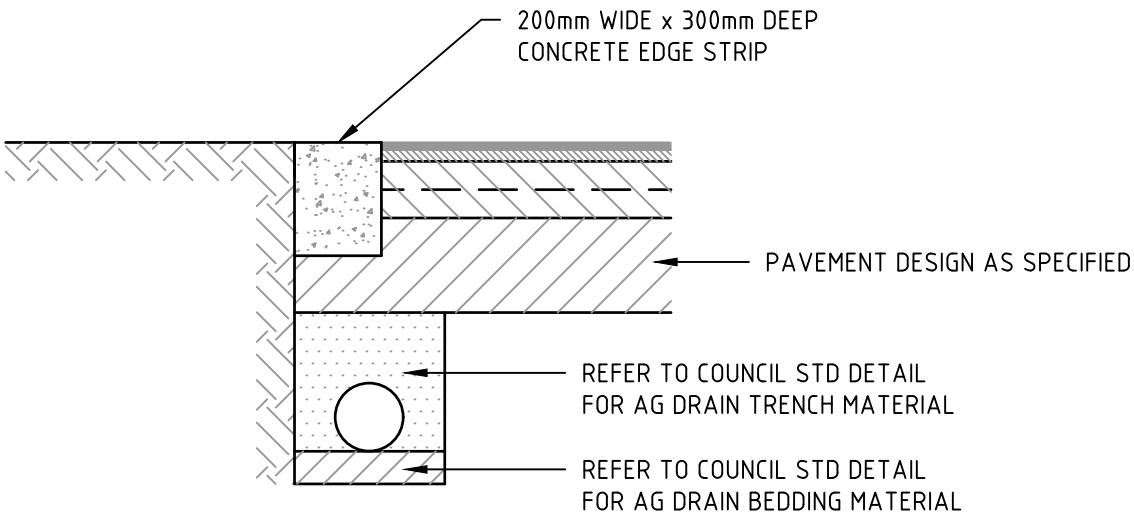
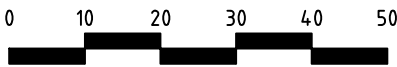
PAVEMENT LAYER	DESCRIPTION	DEPTH (mm)
		AREA 1
ASPHALT WEARING COURSE	SIZE 10 TYPE L CLASS 320 ASPHALT	30
ASPHALT BASE COURSE	SIZE 10 TYPE N CLASS 320 ASPHALT	30
	SIZE 10 SAMI SEAL CLASS S18RF	10
	BITUMINOUS PRIMECOAT	Y
BASE COURSE	SIZE 20mm CLASS 2 CRUSHED ROCK, COMPACTED TO AT LEAST 98% MODIFIED DRY DENSITY RATIO WITH A MEAN VALUE OF AT LEAST 100% MODIFIED DRY DENSITY RATIO AND WITHIN 1% OF THE MODIFIED OPTIMUM MOISTURE CONTENT	130
SUBBASE COURSE	SIZE 20mm CLASS 3 CRUSHED ROCK, COMPACTED TO AT LEAST 95% MODIFIED DRY DENSITY RATIO WITH A MEAN VALUE OF AT LEAST 98% MODIFIED DRY DENSITY RATIO AND WITHIN 1% OF THE MODIFIED OPTIMUM MOISTURE CONTENT	100
CAPPING LAYER	SELECT GRANULAR MATERIAL WITH A MINIMUM SOAKED CBR OF 10% COMPACTED TO AT LEAST 98% STANDARD DRY DENSITY RATIO WITH A MEAN VALUE OF AT LEAST 100% STANDARD DRY DENSITY RATIO AND WITHIN 1% OF THE STANDARD OPTIMUM MOISTURE CONTENT, A PERCENTAGE SWELL OF LESS THAN 15% AND A MAXIMUM HYDRAULIC CONDUCTIVITY OF 5 x 10 ⁻⁹ m/s	200
CONSTRUCTION LAYER	SELECT GRANULAR MATERIAL WITH A MINIMUM SOAKED CBR OF 10% COMPACTED TO AT LEAST 98% STANDARD DRY DENSITY RATIO WITH A MEAN VALUE OF AT LEAST 100% STANDARD DRY DENSITY RATIO AND WITHIN 1% OF THE STANDARD OPTIMUM MOISTURE CONTENT, A PERCENTAGE SWELL OF LESS THAN 15% AND A MAXIMUM HYDRAULIC CONDUCTIVITY OF 5 x 10 ⁻⁹ m/s	150
TOTAL PAVEMENT DEPTH		650
SUBGRADE	NATURAL SILTY CLAY TESTED TO CONFIRM AN IN-SITU CBR OF AT LEAST 15% FOR AREAS 1, 5, AND F AND AT LEAST 2% FOR AREAS 4, 6, AND E OR APPROVED FILL COMPACTED TO AT LEAST 100% STANDARD DRY DENSITY RATIO (SOAKED CBR≥3.0%) WITHIN 2% OF THE STANDARD OPTIMUM MOISTURE CONTENT	

CONCRETE PAVEMENT	DESCRIPTION	LEGEND
FOOTPATH	125mm THICK N25 CONCRETE WITH SL72 MESH TOP 50 COVER. MESH TO HAVE 50 COVER TO ALL EDGES. ON 50mm THICK 20mm CLASS CRUSHED ROCK. REFER TO EDCM401 FOR DETAILS	
RESIDENTIAL VEHICLE CROSSING	125mm THICK N25 CONCRETE WITH SL72 MESH TOP 50 COVER. MESH TO HAVE 50 COVER TO ALL EDGES. ON 50mm THICK 20mm CLASS CRUSHED ROCK. REFER TO EDCM501-502 FOR DETAILS	
HEAVY DUTY VEHICLE CROSSING	200mm THICK N25 CONCRETE WITH SL82 MESH TOP 50 COVER. MESH TO HAVE 50 COVER TO ALL EDGES. REFER TO EDCM503 FOR DETAILS	

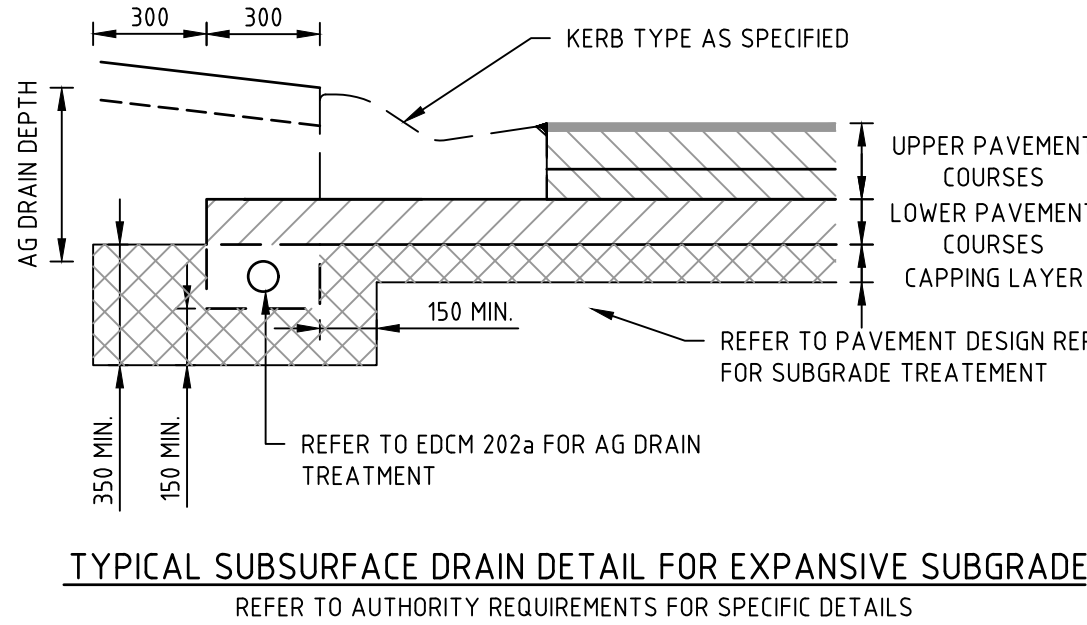


PAVEMENT PLAN

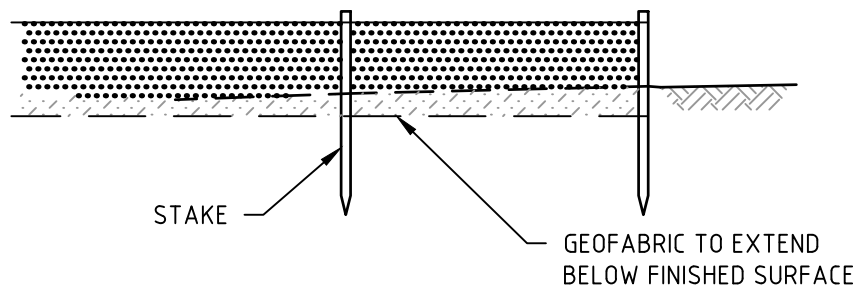
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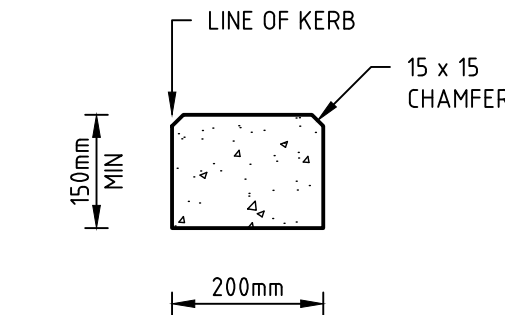
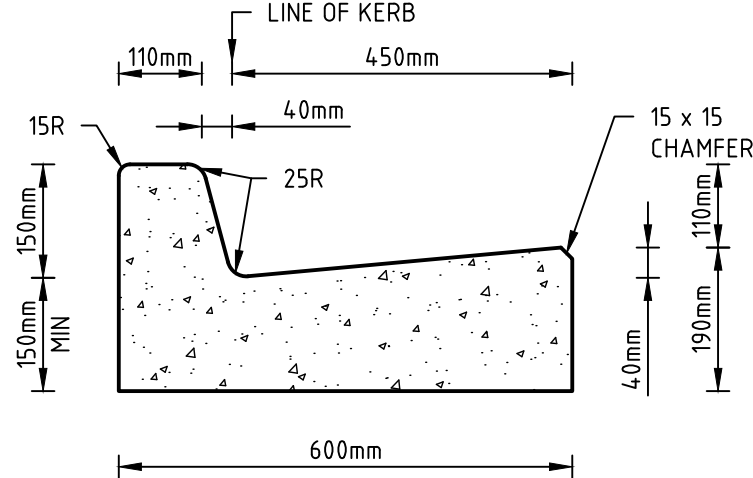
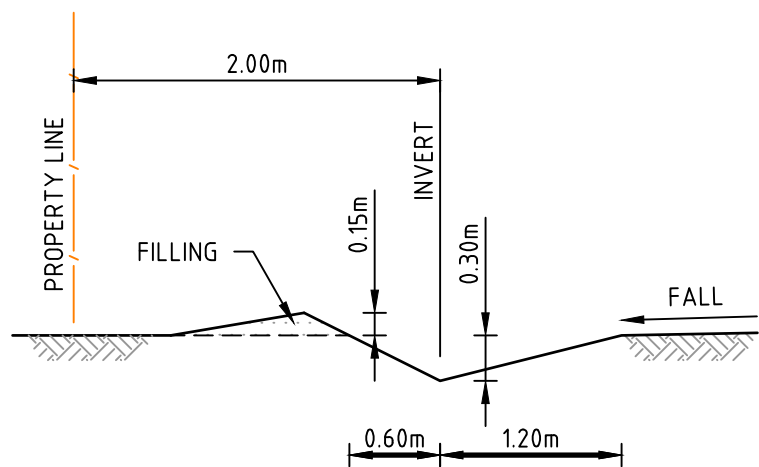


LIMIT OF WORKS CONCRETE EDGE STRIP & PAVEMENT INTERFACE DETAIL



SILT CONTROL FOR LOTS

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PAVEMENT DETAILS

THE PAVEMENT DESIGNS SHOWN HERE HAVE BEEN DESIGNED/PROVIDED BY CARDNO VICTORIA PTY LTD WHO ARE RESPONSIBLE FOR THE GEOTECHNICAL WORK ON THIS PROJECT. SPIIRE IS NOT RESPONSIBLE FOR THE WORK OF CARDNO VICTORIA PTY LTD.

THE DESIGN HAS BEEN EXTRACTED FROM THE V180556REPORT01.3 ON "GEOTECHNICAL INVESTIGATION FOR PROPOSED RESIDENTIAL SUBDIVISION - REDSTONE HILL, SUNBURY SOUTH, VIC" THIS DOCUMENT SHOULD BE REVIEWED TO ENSURE THAT THE DESIGN HAS BEEN ACCURATELY REPRODUCED.

A COPY OF THE DOCUMENT WILL BE PROVIDED ON REQUEST.

REFER GEOTECH REPORT FOR SUBGRADE REQUIREMENTS. SUBGRADE TO BE PROOF ROLLED PRIOR TO PLACEMENT OF CAPPING LAYER.

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KERB NOTES:

- ALL KERBS AND KERB & CHANNEL TO BE REINFORCED IN ACCORDANCE WITH MUNICIPALITY STD DRAWINGS
- ALL KERBS AND KERB & CHANNEL TO HAVE MINIMUM 150mm DEPTH OF CONCRETE BELOW TOP OF PAVEMENT LEVEL
- REFER TO EDCM 301 AND 302 FOR MORE DETAIL
- THE 190mm FACE DIMENSION TO BE INCREASED TO 200mm WHERE A SAMI SEAL IS USED

STANDARD KERB PROFILES

NOTE: ALL KERB & CHANNEL AS PER EDCM STD DRAWING EDCM 301

H 1:100
SCALE @ A1



Rev	Amendments	Approved	Date
1	AS CONSTRUCTED	M.R	25/06/26
0	ISSUED FOR CONSTRUCTION	M.R	24/03/25
B	COUNCIL RESUBMISSION	M.R	24/02/25
A	ISSUED TO COUNCIL	M.R	29/11/24

Scale



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Designed
H.HOGGARD
Authorised
M.RANJANAN

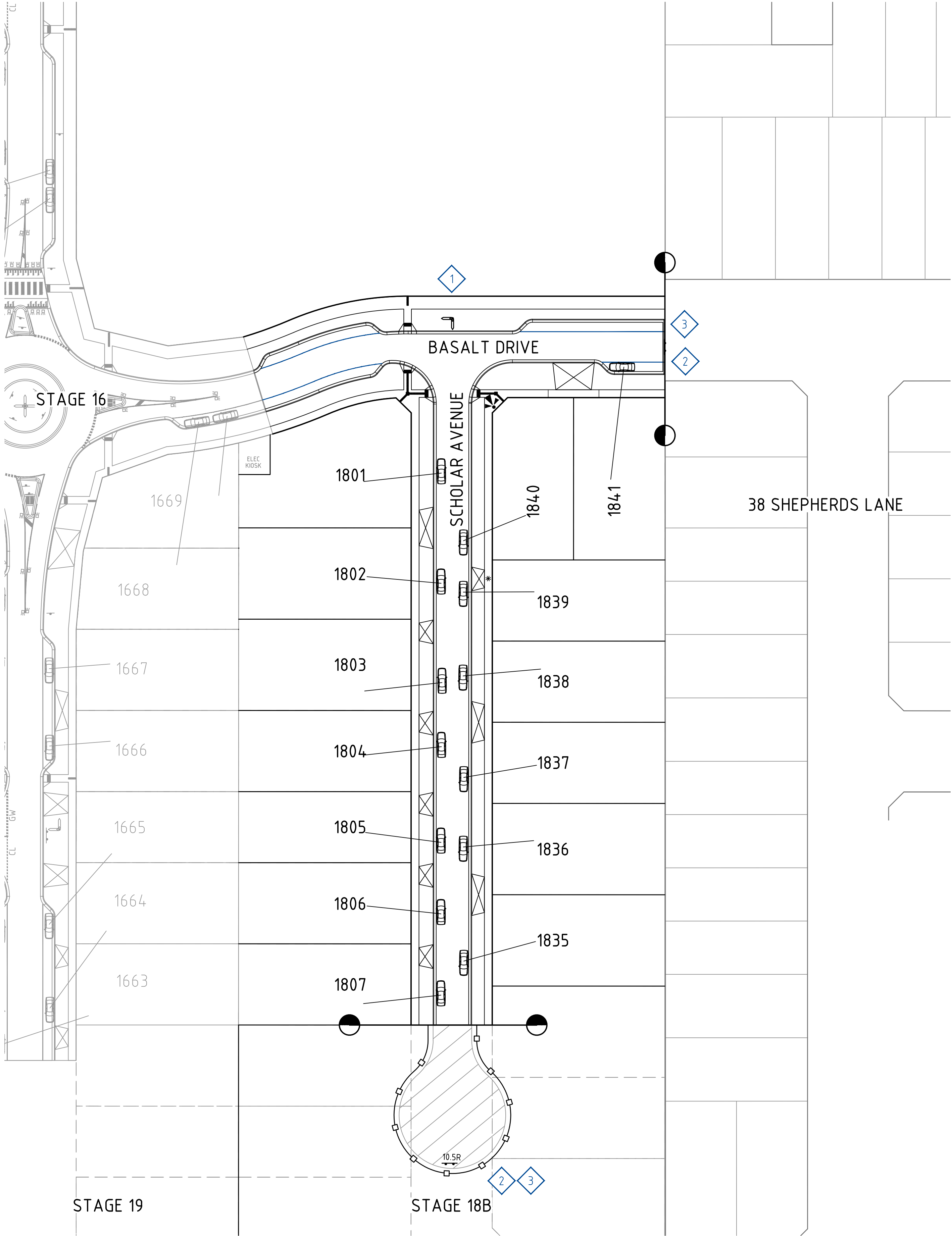
Redstone.
Your world awaits

Checked
J.POYNER
Date
29th November 2024

**REDSTONE ESTATE
STAGE 18A
ROAD AND DRAINAGE
PAVEMENT AND TYPICAL DETAILS**
HUME CITY COUNCIL
VILLAWOOD PROPERTIES

AS CONSTRUCTED Drg No **310068-001CR700** Rev **1**

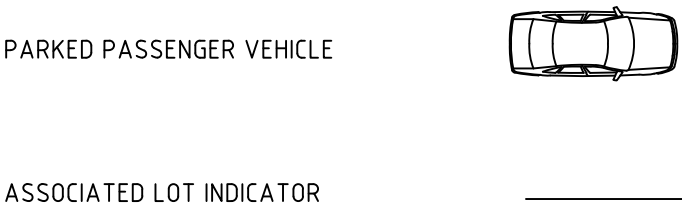
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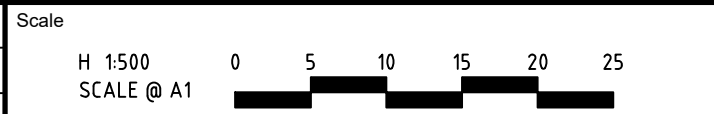
WARNING
BEWARE OF UNDERGROUND/OVERHEAD SERVICES
THE LOCATION OF SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. SPECIAL CONSIDERATION SHOULD BE GIVEN TO CONSTRUCTION PROCEDURES UNDER OVERHEAD ELECTRICITY TRANSMISSION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

SIGNAGE SCHEDULE

REFERENCE	SIGN
1	
2	G9-20
3	D4-5



Rev	Amendments	Approved	Date
1	AS CONSTRUCTED	M.R	25/06/26
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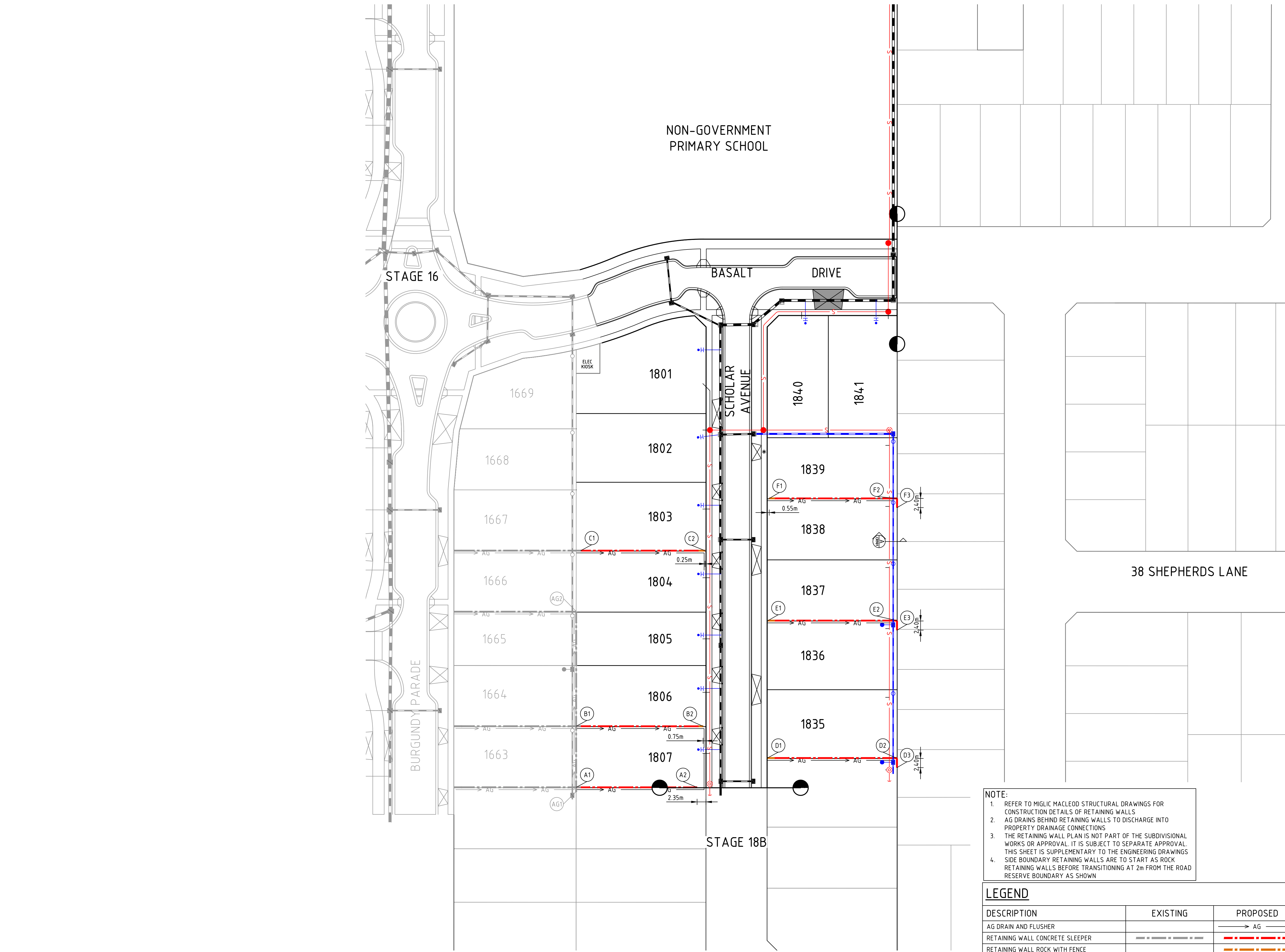


Checked
J.POYNER
Date
29th November 2024

REDSTONE ESTATE
STAGE 18A
ROAD AND DRAINAGE
SIGNAGE AND LINEMARKING
HUME CITY COUNCIL
VILLAWOOD PROPERTIES

AS CONSTRUCTED Drg No 310068-001CR800 Rev 1

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file location: C:\Users\p.trish\OneDrive\Documents\310068-001-Redstone.dwg sheet: 15 of 16 sheets



- NOTE:
1. REFER TO MIGLIC MACLEOD STRUCTURAL DRAWINGS FOR CONSTRUCTION DETAILS OF RETAINING WALLS
 2. AG DRAINS BEHIND RETAINING WALLS TO DISCHARGE INTO PROPERTY DRAINAGE CONNECTIONS
 3. THE RETAINING WALL PLAN IS NOT PART OF THE SUBDIVISIONAL WORKS OR APPROVAL. IT IS SUBJECT TO SEPARATE APPROVAL. THIS SHEET IS SUPPLEMENTARY TO THE ENGINEERING DRAWINGS
 4. SIDE BOUNDARY RETAINING WALLS ARE TO START AS ROCK RETAINING WALLS BEFORE TRANSITIONING AT 2m FROM THE ROAD RESERVE BOUNDARY AS SHOWN

LEGEND		
DESCRIPTION	EXISTING	PROPOSED
AG DRAIN AND FLUSHER		→ AG
RETAINING WALL CONCRETE SLEEPER	---	---
RETAINING WALL ROCK WITH FENCE		---



WARNING
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B	COUNCIL RESUBMISSION	M.R	24/02/25
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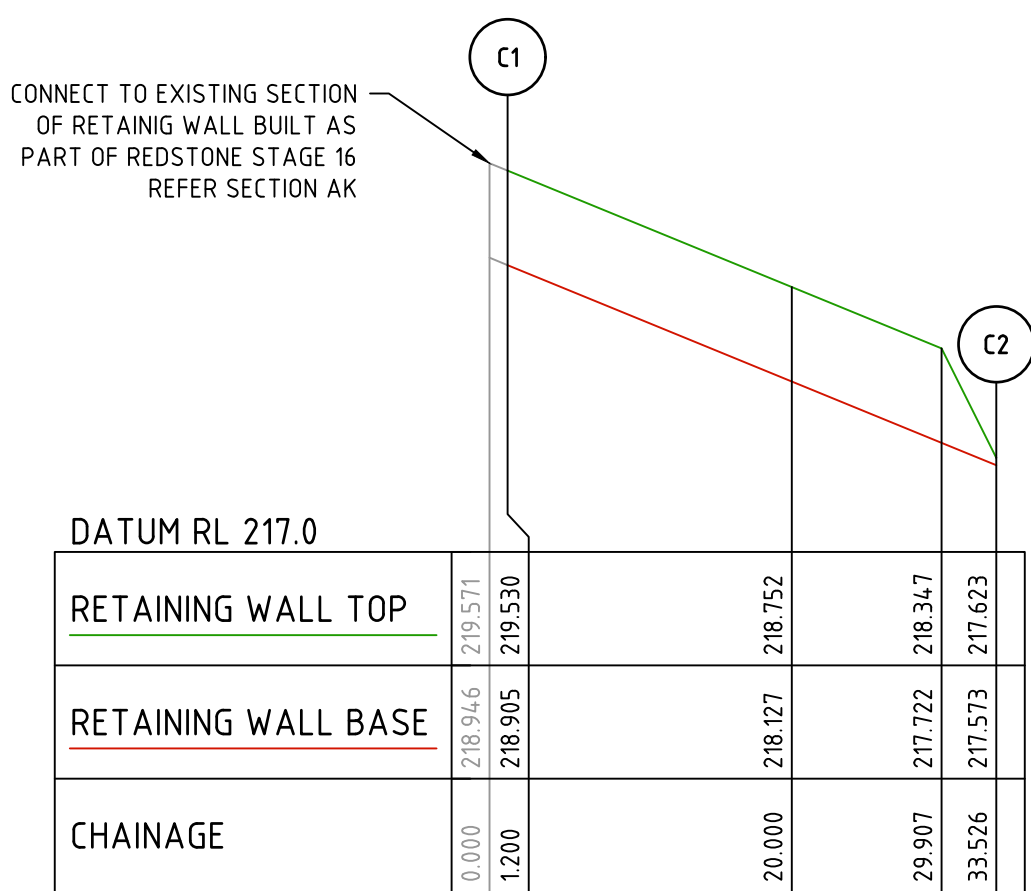
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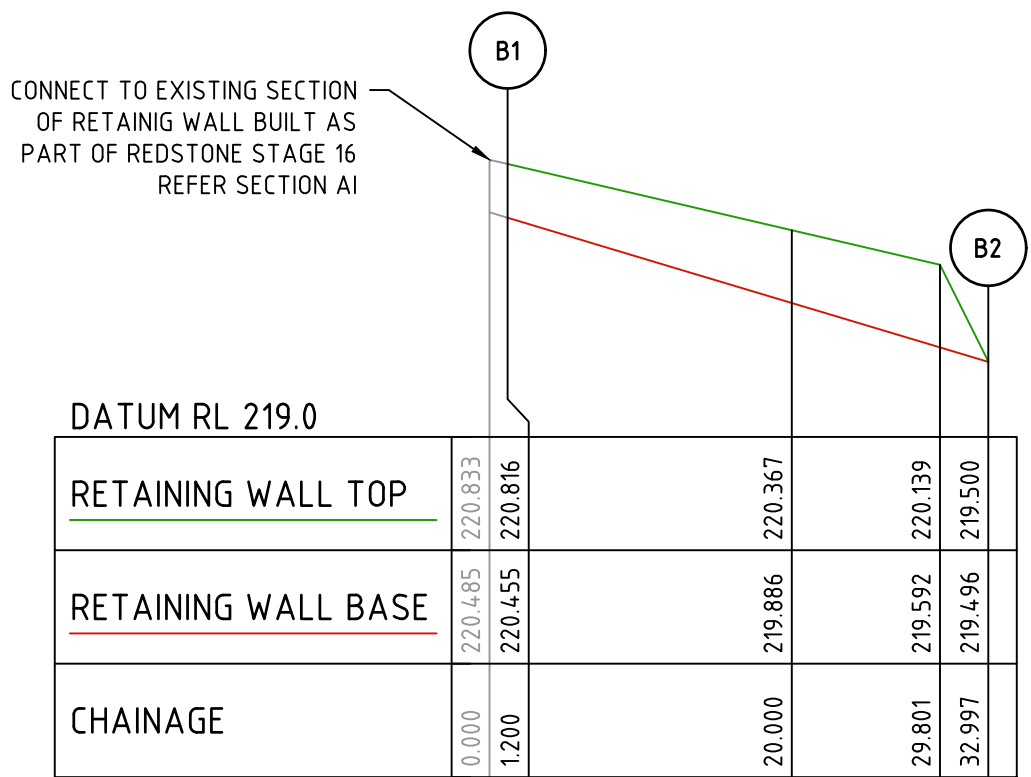
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29th November 2024

**REDSTONE ESTATE
STAGE 18A
ROAD AND DRAINAGE
RETAINING WALL PLAN**
HUME CITY COUNCIL
VILLAWOOD PROPERTIES
AS CONSTRUCTED
Drg No
310068-001CR900
Rev
1

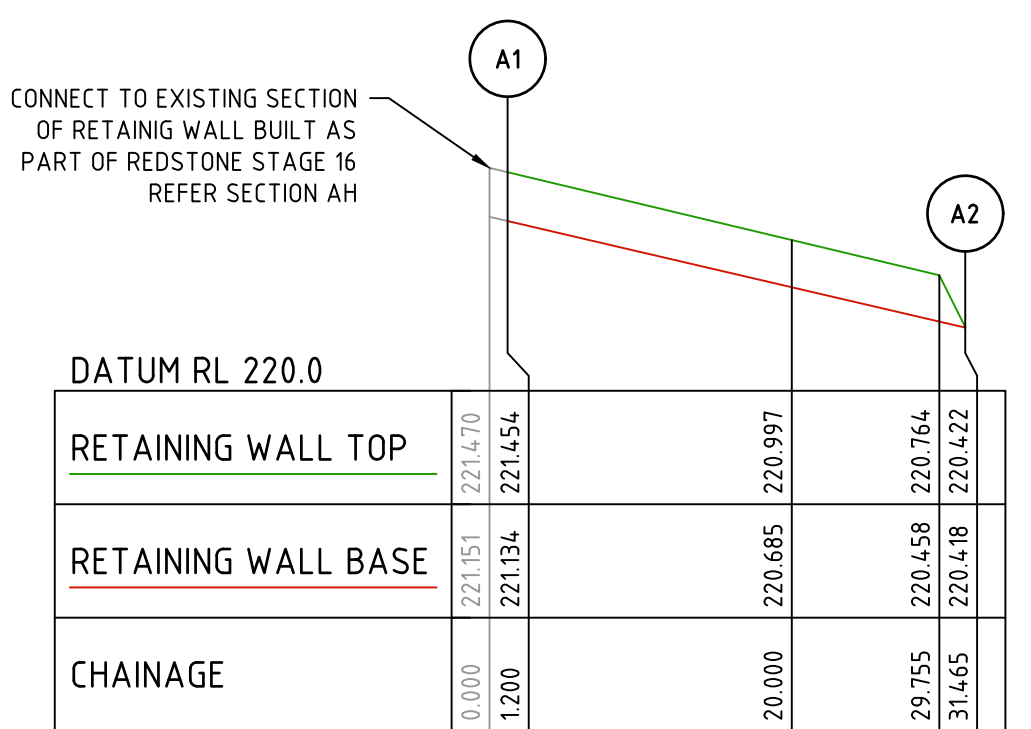
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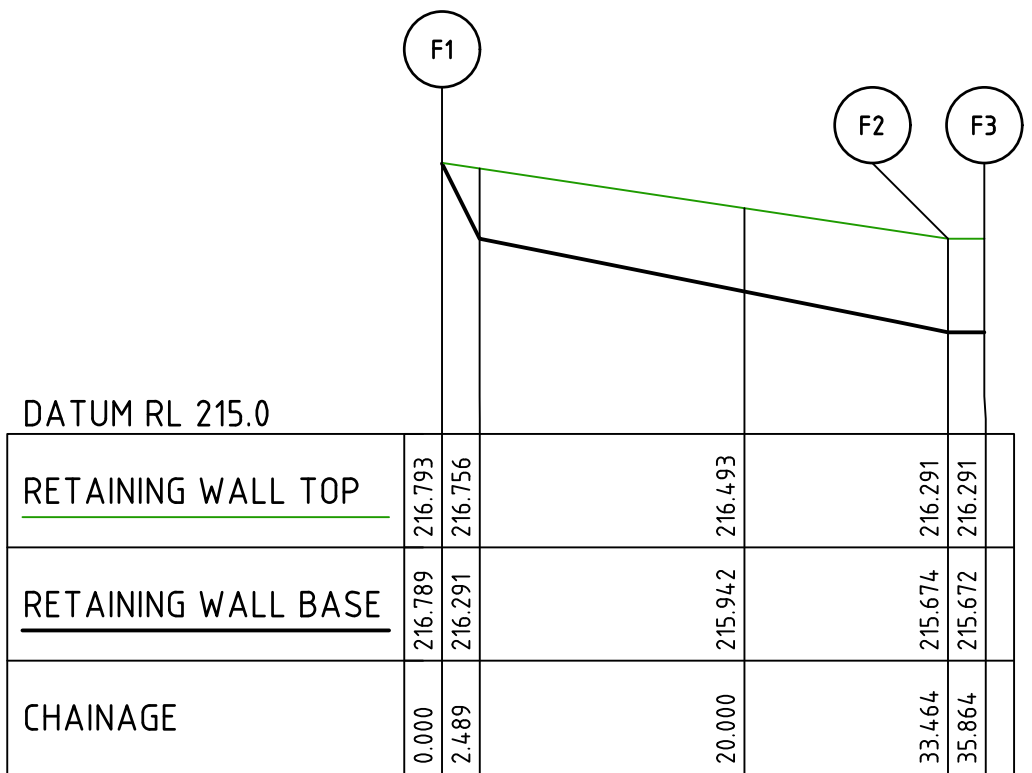
RETAINING WALL C



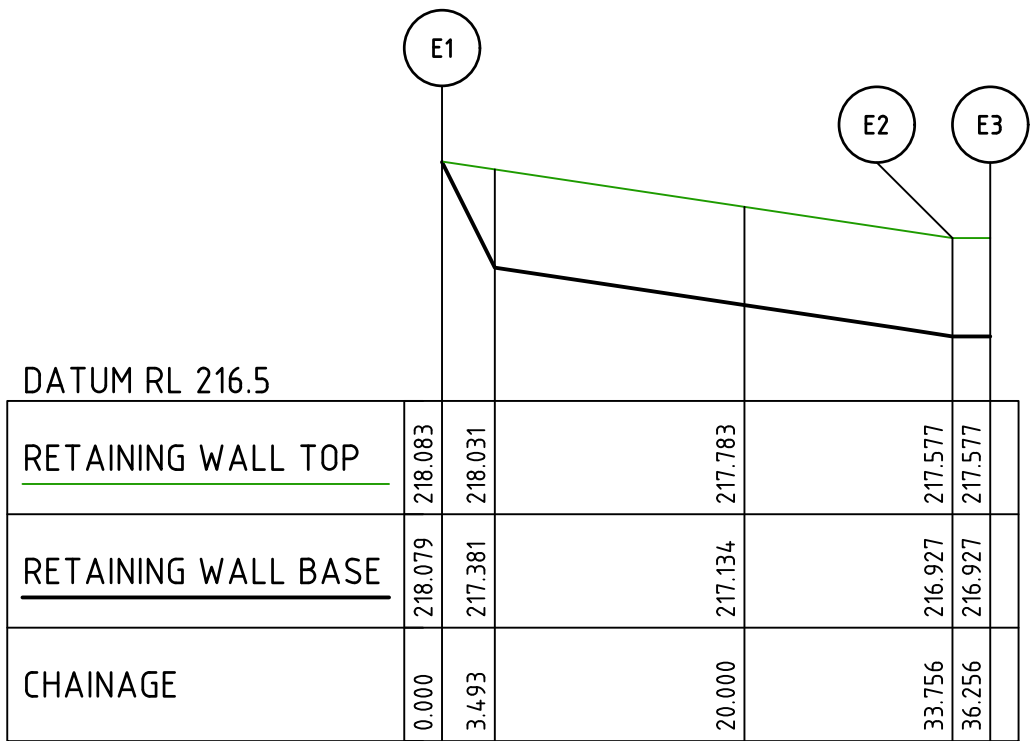
RETAINING WALL B



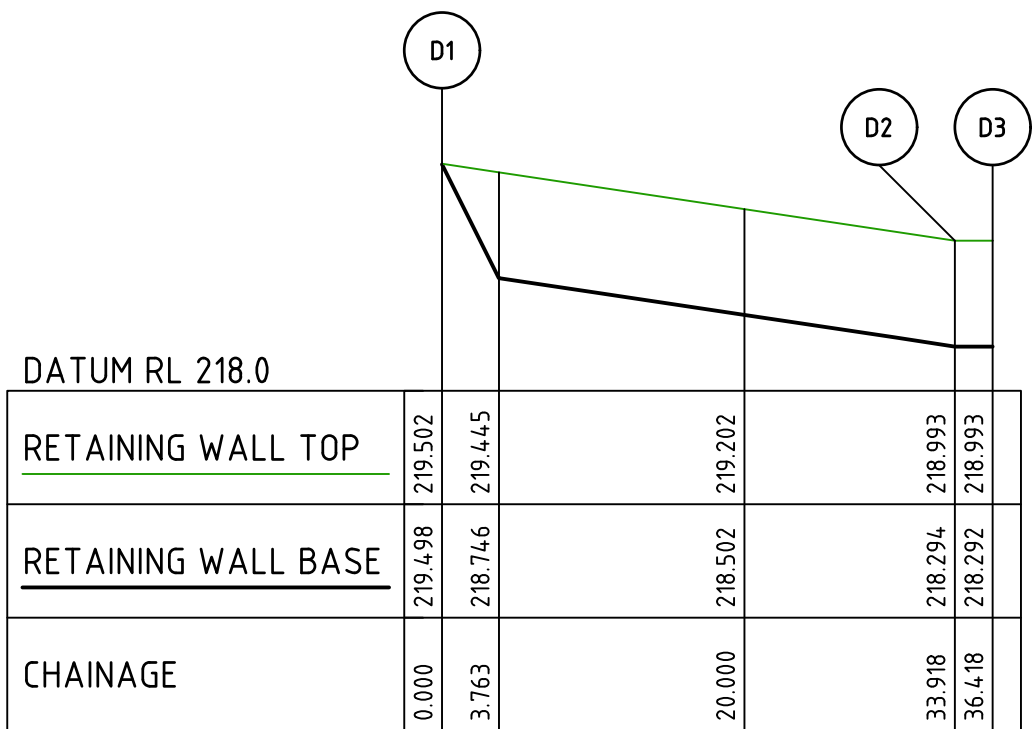
RETAINING WALL A



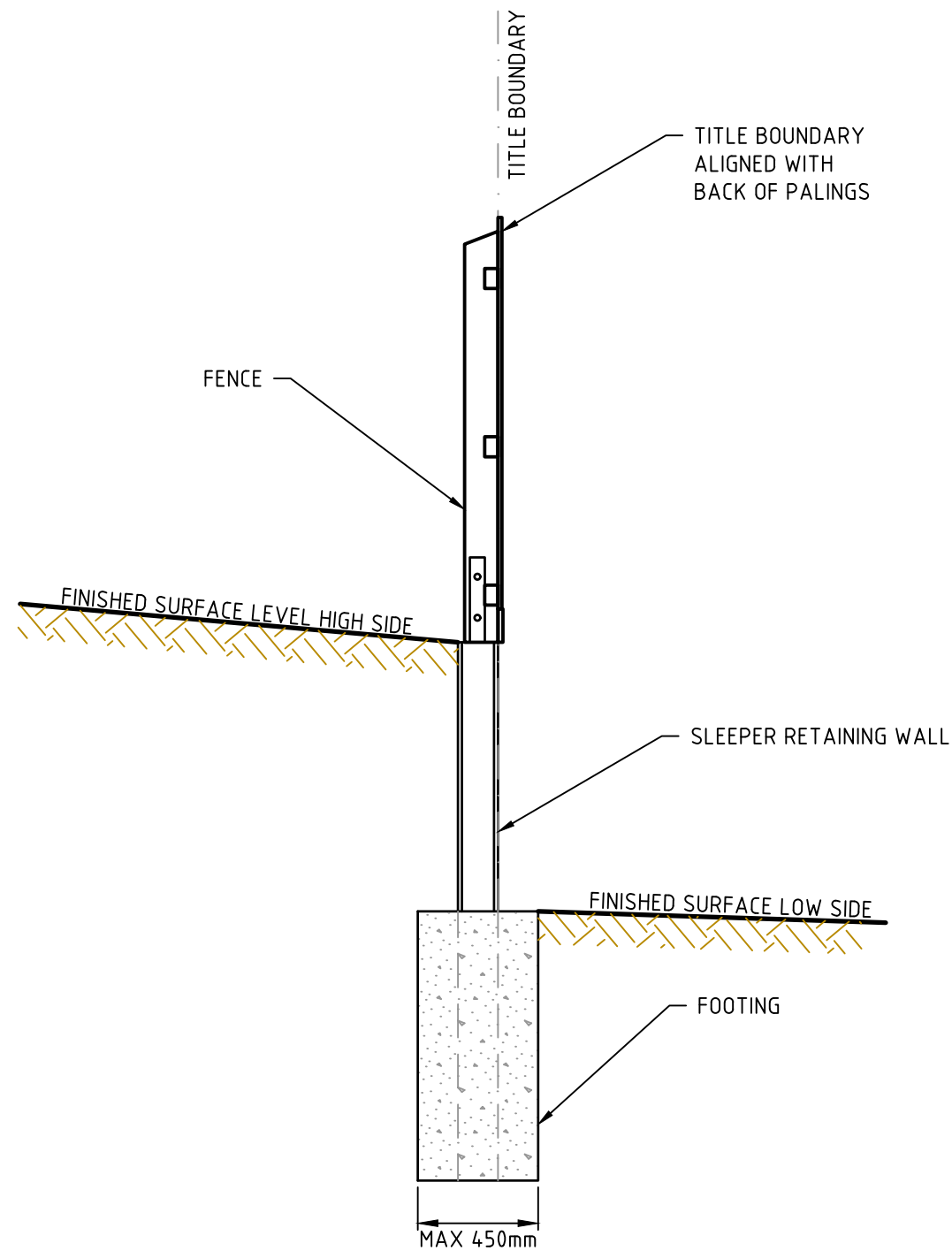
RETAINING WALL F



RETAINING WALL E

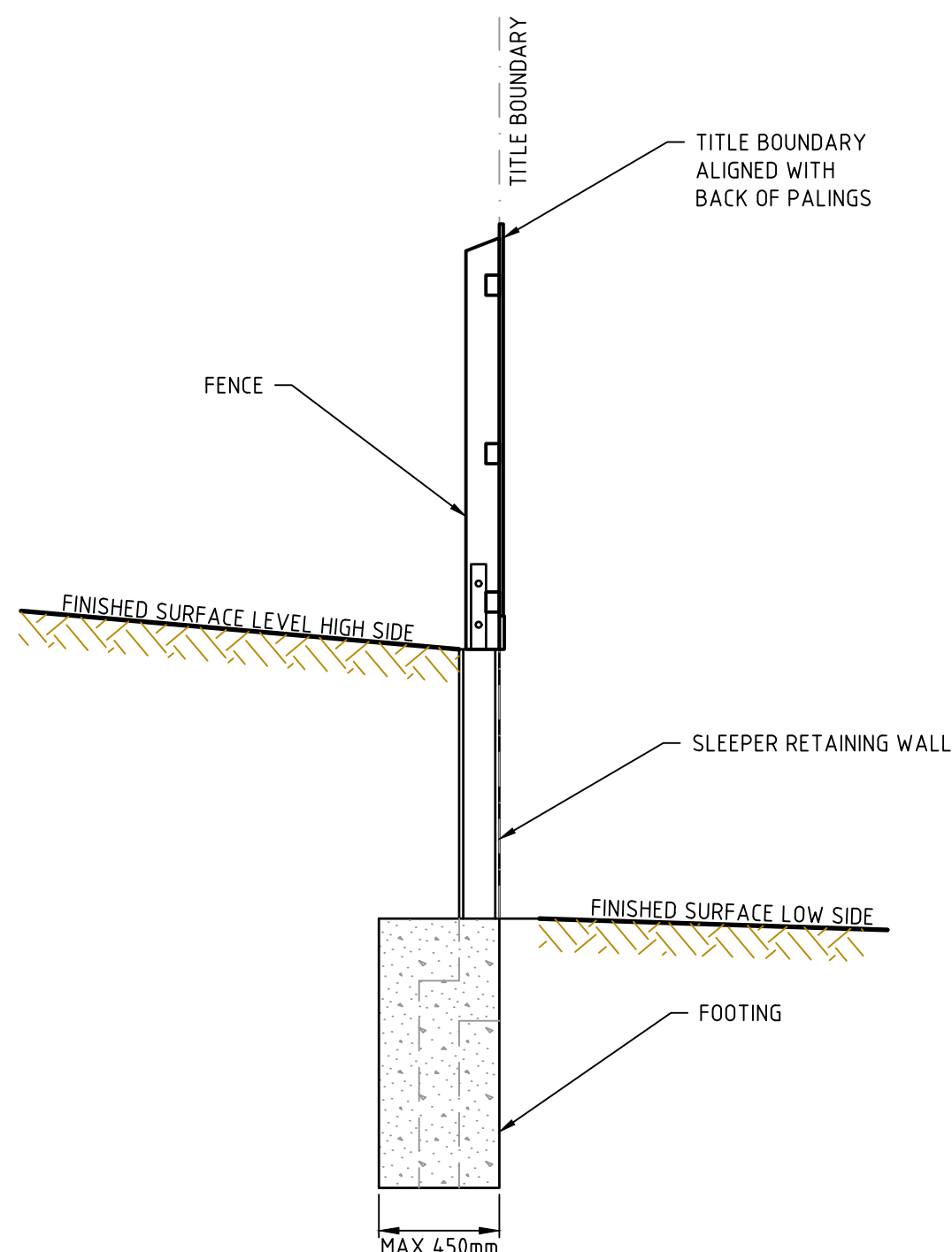


RETAINING WALL D



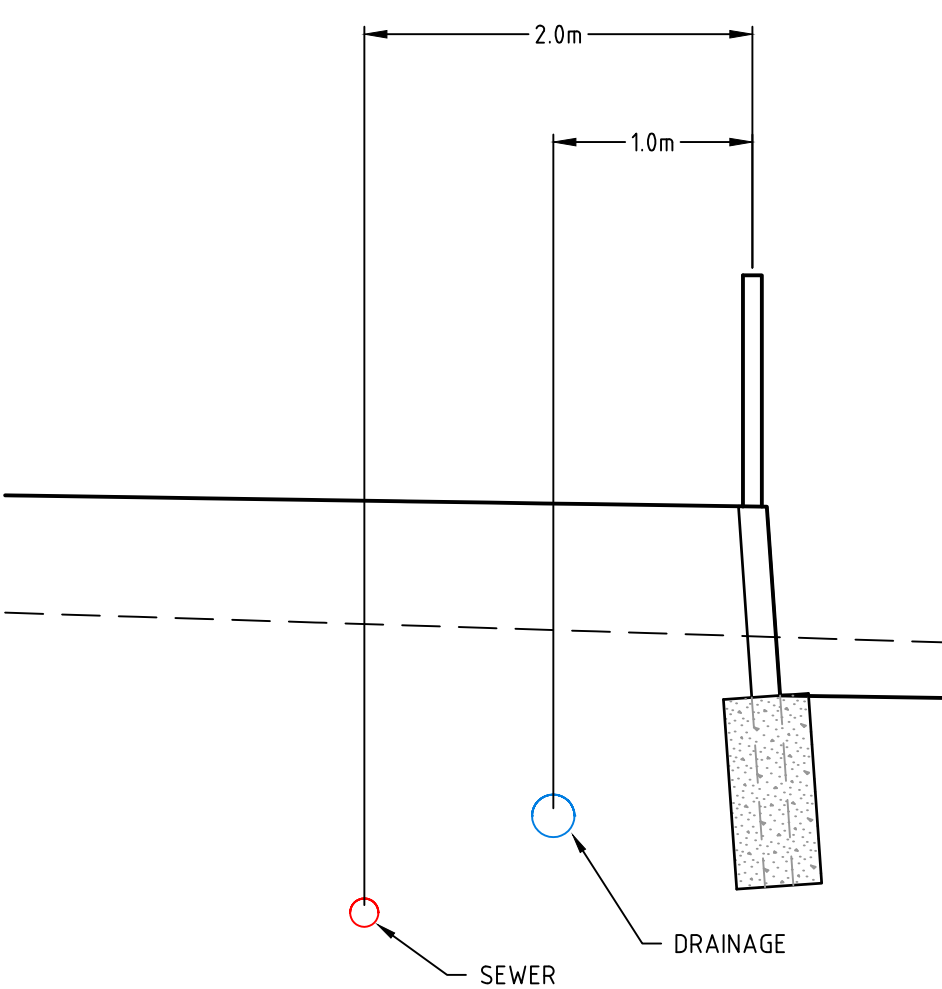
SLEEPER RETAINING WALL TYPICAL DETAIL

NOT TO SCALE

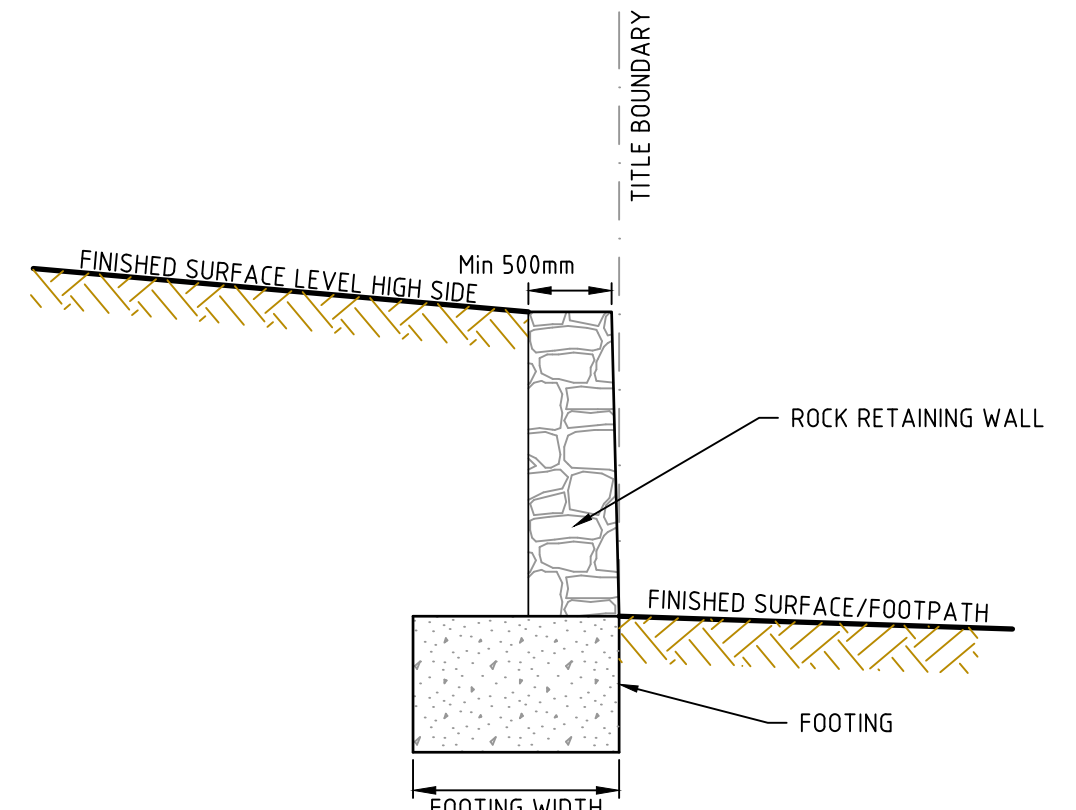


SLEEPER RETAINING WALL ALTERNATE DETAIL
(FOR USE ON BOUNDARY WITH 38 SHEPARDS LANE)

NOT TO SCALE



SECTION A-A
NOT TO SCALE



ROCK RETAINING WALL (WITH PROVISION
FOR FENCING) TYPICAL DETAIL

NOT TO SCALE

Scale
NOT TO SCALE



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M.RANJANAN



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J.POYNOR
Date
29th November 2024

REDSTONE ESTATE
STAGE 18A
ROAD AND DRAINAGE
RETAINING WALL SECTIONS AND DETAILS
HUME CITY COUNCIL
VILLAWOOD PROPERTIES

AS CONSTRUCTED Drg No 310068-001CR901 Rev 1