

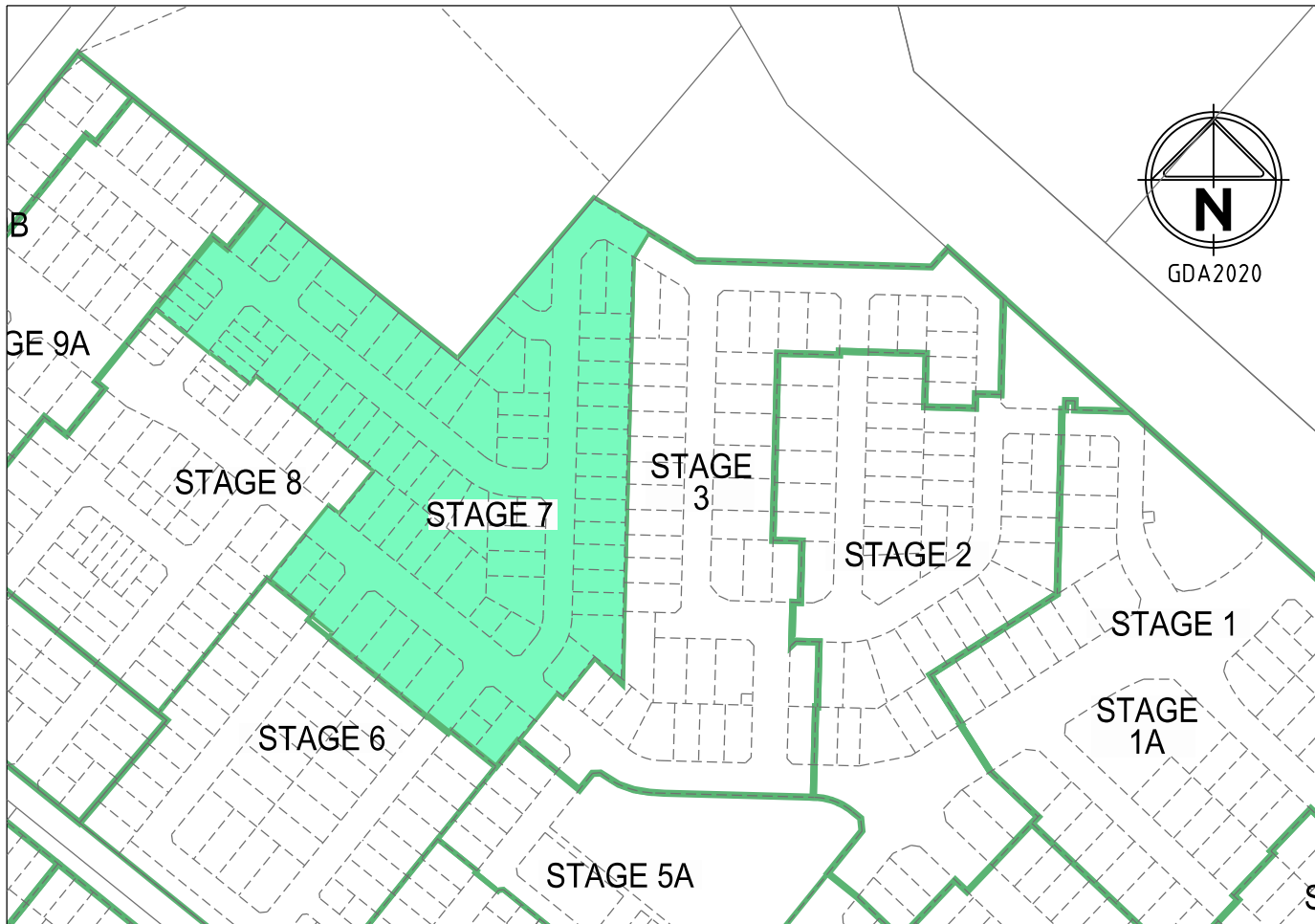
REDSTONE ESTATE STAGE 7

VILLAWOOD PROPERTIES

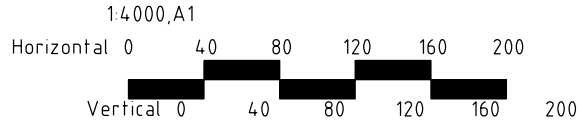
HUME COUNCIL STANDARD NOTES:

- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH VPA 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 PRECOMMENCEMENT MEETING BEING HELD BETWEEN HUME CITY COUNCIL, THE DEVELOPER'S 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 PRECOMMENCEMENT MEETING.
- PRIOR TO COMMENCEMENT OF THE WORKS, THE CONTRACTOR SHALL PROVIDE THE FOLLOWING INFORMATION:
 - SOURCE OF QUARRY MATERIAL.
 - N A T A APPROVED TEST 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 OHS 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 (AHD).
- ALL CO-ORDINATES ARE TO MAP GRID OF AUSTRALIA (MGA).
- 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 VPA 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 5.11-2003.
- 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 L48 (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 15M 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 10M 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 15 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 FINE LEAF FESCUE
 - 1500KG/HA OF CELLULOSE FIBRE
 - SOIL BINDER, SPECIFICALLY MANUFACTURED FOR HYDROMULCHING, USED AT MANUFACTURERS RECOMMENDED RATES. (E.G. ORGANIC GAUR TACKFIRES @ 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.
- 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 TO BE CLASS 2 R.C. OR RIGID F.R.C. PIPES WITH ADCOL FLEXIBLE COLLARS UNLESS NOTED OTHERWISE. ALL PIPES UP TO & INCLUDING 750mm DIA. ARE TO BE RUBBER RING JOINTED. INTERLOCKING/FLUSH JOINTS WITH EXTERNAL BANDS CAN ONLY BE USED ON PIPE SIZES OVER 750mm DIA.

- WHERE NEW ASPHALT, CONCRETE K & C, 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 F.C.R. 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 5.11-2003.
- ALL EXISTING ASSETS AFFECTED BY THE WORKS, EG 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 EDCM STANDARD DRAWING 202.
- 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 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 OF TITLE BOUNDARY ROAD FRONTAGE 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 AS2187.2-1993, 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 & DRAINAGE DESIGN AND CONSTRUCTION.



LOCALITY PLAN



DRAWING SCHEDULE

DRAWING	DESCRIPTION	SHEET No.	REVISION
305918R01	FACE SHEET	1	3
305918R02	DETAIL PLAN - SHEET 1 OF 2	2	3
305918R03	DETAIL PLAN - SHEET 2 OF 2	3	1
305918R04	LONGITUDINAL SECTIONS - SACRED DRIVE	4	0
305918R05	LONGITUDINAL SECTIONS - FLYCATCHER ROAD	5	0
305918R06	LONGITUDINAL SECTIONS - SPECKLE CIRCUIT & KRISTEN ROAD	6	0
305918R07	LONGITUDINAL SECTIONS - VANGEL ROAD, PEDRO STREET & ZOOGIE ROAD	7	0
305918R08	CROSS SECTIONS - SACRED DRIVE	8	0
305918R09	CROSS SECTIONS - SPECKLE CIRCUIT	9	0
305918R10	CROSS SECTIONS - FLYCATCHER ROAD	10	0
305918R11	CROSS SECTIONS - FLYCATCHER WAY & KRISTEN ROAD	11	0
305918R12	CROSS SECTIONS - VANGEL ROAD	12	0
305918R13	CROSS SECTIONS - VANGEL ROAD & PEDRO STREET	13	0
305918R14	CROSS SECTIONS - ZOOGIE ROAD	14	0
305918R15	INTERSECTION DETAILS - SHEET 1 OF 4	15	1
305918R16	INTERSECTION DETAILS - SHEET 2 OF 4	16	1
305918R17	INTERSECTION DETAILS - SHEET 3 OF 4	17	1
305918R18	INTERSECTION DETAILS - SHEET 4 OF 4	18	1
305918R19	DRAINAGE LONGSECTIONS - SHEET 1 OF 7	19	0
305918R20	DRAINAGE LONGSECTIONS - SHEET 2 OF 7	20	0
305918R21	DRAINAGE LONGSECTIONS - SHEET 3 OF 7	21	0
305918R22	DRAINAGE LONGSECTIONS - SHEET 4 OF 7	22	0
305918R23	DRAINAGE LONGSECTIONS - SHEET 5 OF 7	23	0
305918R24	DRAINAGE LONGSECTIONS - SHEET 6 OF 7	24	0
305918R25	DRAINAGE LONGSECTIONS - SHEET 7 OF 7	25	0
305918R26	PITSCHEDULE	26	0
305918R27	TYPICAL CROSS SECTIONS AND TYPICAL DETAILS	27	0
305918R28	PAVEMENT DETAILS	28	0
305918R29	SIGNAGE, LINEMARKING & CARPARKING PLAN - SHEET 1 OF 2	29	0
305918R30	SIGNAGE, LINEMARKING & CARPARKING PLAN - SHEET 2 OF 2	30	0
305918R31	RETAINING WALL DETAILS SHEET 1	31	1
305918R32	RETAINING WALL DETAILS SHEET 2	32	1
305918R33	PASSIVE IRRIGATION DETAILS - SHEET 1	33	0
305918R34	PASSIVE IRRIGATION DETAILS - SHEET 2	34	0
305918R35	GENERAL NOTES	35	0
305918R36	LAYOUT PLAN	36	0
305918R37	DRAINAGE LONGSECTIONS	37	0
305918R38	INLET LONGITUDINAL AND CROSS SECTIONS	38	0
305918R39	TYPICAL DETAILS	39	0



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.

LEGEND

DESCRIPTION

DESCRIPTION	EXISTING	PROPOSED
WATER MAIN, VALVE AND HYDRANT	DW	NDW
WATER RECYCLED	NDW	NDW
UNDERGROUND ELECTRICITY	E	E
OVERHEAD ELECTRICITY & POLE	OE	OE
TELECOMMUNICATIONS & SERVICE PIT	T	T
OPTIC FIBRE	OF	OF
OVERHEAD TELECOMMUNICATIONS	OT	OT
GAS MAIN	G	G
BRANCH SEWER & MAINTENANCE STRUCTURE	S	S
SEWER & MAINTENANCE STRUCTURE	S	S
SEWER RISING MAIN	S	S
CENTRAL INVERT		
COUNCIL STORMWATER DRAIN AND PIT		
STORM WATER DRAINAGE PROPERTY INLETS		
COUNCIL STORM WATER PITS		
HOUSE DRAIN		
AG DRAIN AND FLUSHER		
MWC STORM WATER DRAIN & PIT		
MWC STORM WATER PITS		
STORM WATER DRAINAGE PIT NUMBER		
GAS & WATER CONDUITS		
CONCRETE VEHICLE CROSSING		
PAVEMENT SAWCUT LINE		
RIDGE / CHANGE OF GRADE LINE		
SURFACE CONTOUR MINOR	169.00	169.00
SURFACE CONTOUR MAJOR	168.90	168.90
SURFACE LEVEL	123.45	FS124.68
SURFACE LEVEL (FOOTPATH)		FP124.68 (ADJACENT RETAINING WALL)
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		
LIGHT & POLE (BY OTHERS)		
STREET SIGN		
PERMANENT SURVEY MARK		
TEMPORARY BENCH MARK		
BOLLARD		
ROAD CHAINAGES	CH116.57 (L/R)TP CH116.57	CH116.57 (L/R)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		
ROCK BEACHING		
RETAINING WALL		
FENCE - TREE PROTECTION		
FENCE - VEHICLE EXCLUSION		
FENCES		
GUARD RAIL		
TREE (& SURVEYED CANOPY) TO BE RETAINED		
TREE TO BE PROTECTED		
TREE TO BE REMOVED		
VEGETATION LINE		
FOOTPATH		
TACTILE GROUND SURFACE INDICATOR		
KERB TRANSITION		B2 SM2

3	SHEET INDEX UPDATED SHEETS R01 & R02 UPDATED	M.T.S	17/11/22
2	SHEET INDEX UPDATED SHEETS R01 & R02 UPDATED	M.T.S	13/07/22
1	REVISION 1 R02, R03, R15,R16,R17,R18, R31 & R32 UPDATED	M.T.S	1/06/22
0	CONSTRUCTION ISSUE	M.T.S	27/05/22
Rev	Amendments	Approved	Date

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Designed
R. WEINBER

Authorised
M. TOOMER-SMITH

Checked
D CAMERON

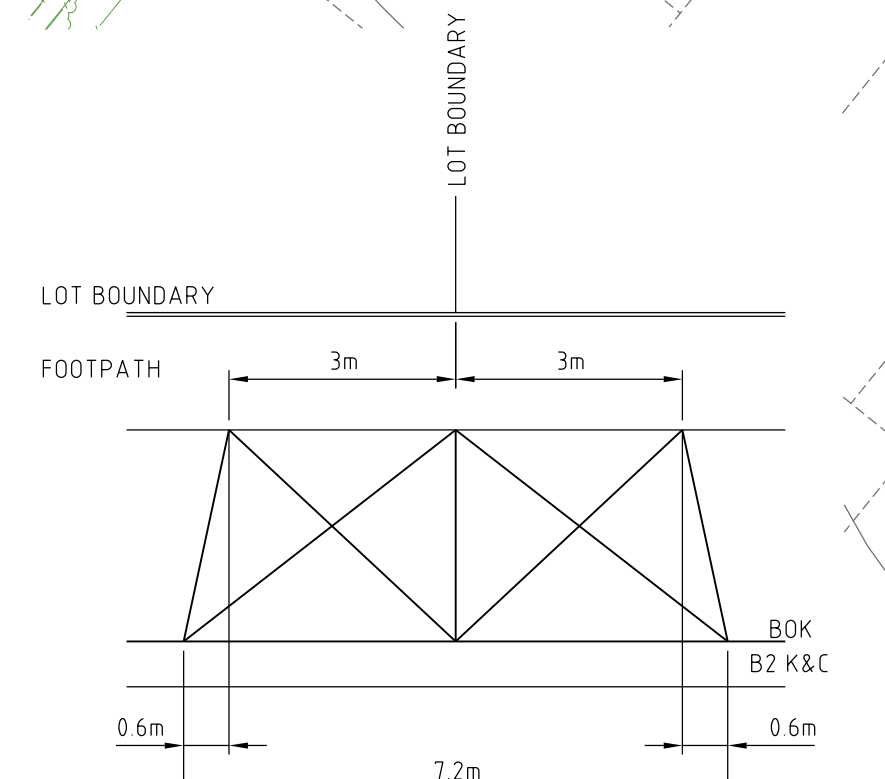
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**REDSTONE ESTATE
STAGE 7
FACE SHEET**

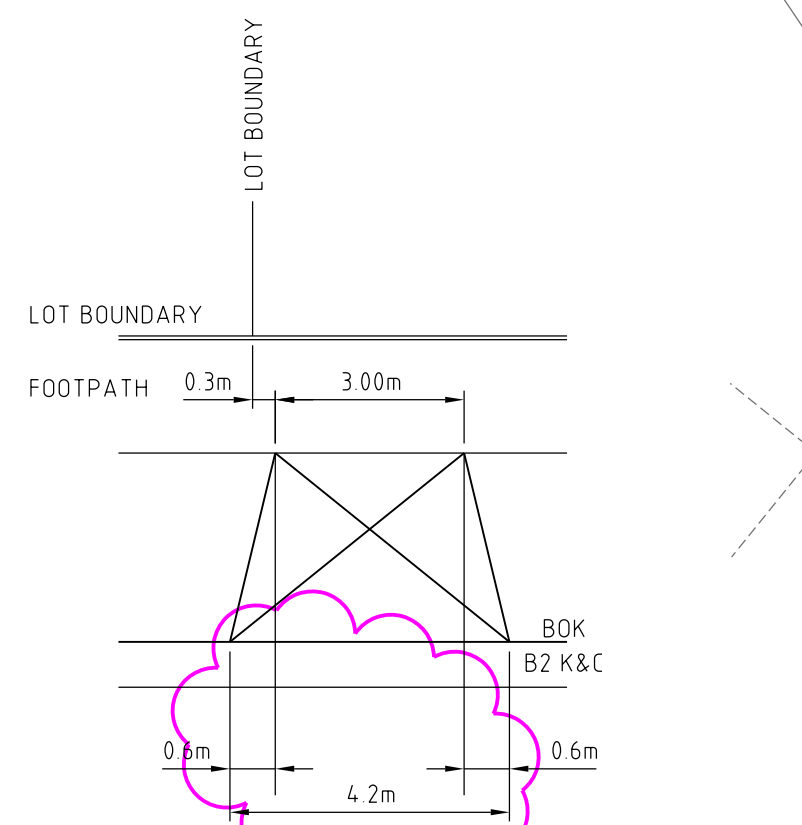
VILLAWOOD PROPERTIES
HUME CITY COUNCIL

AS CONSTRUCTED Drg No
305918R01

Rev
3



DRIVEWAY DETAIL
LOTS 757 TO 759B AND FUTURE LOTS
DRIVEWAY DETAILS AS PER EDCM 501 WITH EXCEPTION TO DIMENSIONS SHOWN ABOVE



DRIVEWAY DETAIL
LOTS 754 TO 756 AND FUTURE LOTS
DRIVEWAY DETAILS AS PER EDCM 501 WITH EXCEPTION TO DIMENSIONS SHOWN ABOVE

SERVICES OFFSETS AND LOCATION TABLE

Location	WATER	ELECTRICITY	TELECOM
	DW	CABLES	POLE
SACRED DRIVE	2.75 N	2.30 S	0.90 BOK
SPECKLE CIRCUIT (LOT 719 T O 720)	2.60 W	2.30 E	0.90 BOK
SPECKLE CIRCUIT (LOT 725 T O 726)	2.60 W	2.30 E	0.90 BOK
FLYCATCHER ROAD	2.60 E	2.30 W	0.90 BOK
KRISTEN ROAD	2.60 S	2.30 N	0.90 BOK
VANGEL ROAD	2.60 S	2.30 N	0.90 BOK
PEDRO STREET	2.60 W	2.30 E	0.90 BOK
ZOOGIE ROAD	2.60 W	2.30 E	0.90 BOK

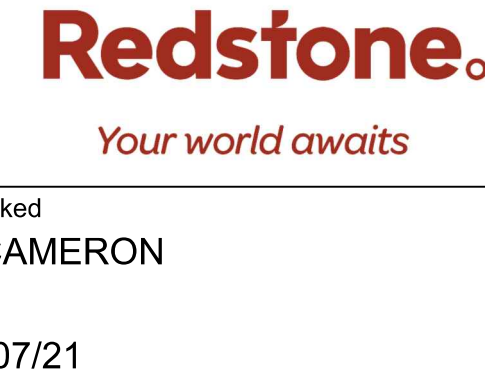
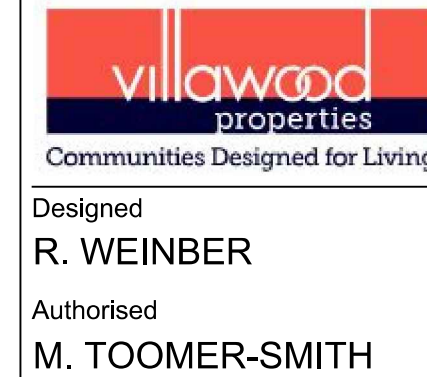
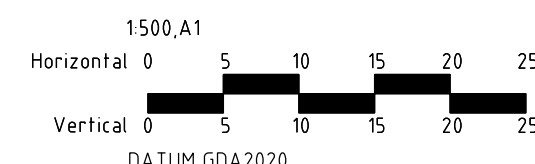
SEWER BACKFILL NOTE:

REFER TO MRWA BACKFILL SPECIFICATION 04-03.1 FOR BACKFILLING AND EMBEDMENT DETAILS FOR SEWERS CONSTRUCTED UNDER ROADS AND FOOTPATHS.

LEGEND

DESCRIPTION	PROPOSED
PSWVE IRRIGATION TREE PIT TYPE 1 (1.5m PIT & 2.0m TRENCH)	
REFER SHEET 33 FOR DETAILS	

Rev	Amendments	Approved	Date
3	DRIVEWAY DIMENSIONS UPDATED, DRIVEWAY LOTS 754 TO 756 AMENDED	M.T.S	17/11/22
2	DRAINAGE EASEMENT REDUCED TO 3m, STANDARD DRIVEWAY DETAIL LOTS 754 TO 756 INCREASED TO 3m	M.T.S	13/07/22
1	FINISHED LEVELS UPDATED	M.T.S	1/06/22
0	CONSTRUCTION ISSUE	M.T.S	27/05/22



REDSTONE ESTATE
STAGE 7
ROAD AND DRAINAGE FACE PLAN
SHEET 1 OF 2
VILLAWOOD PROPERTIES
HUME CITY COUNCIL
AS CONSTRUCTED Drg No 305918R02
Rev 3



LEGEND	
DESCRIPTION	PROPOSED
PSSIVE IRRIGATION TREE PIT TYPE 1 (1.5m PIT & 2.0m TRENCH) REFER SHEET 33 FOR DETAILS	

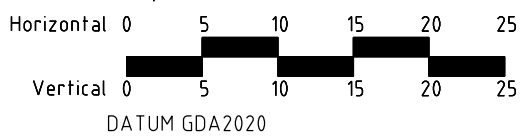
SEWER BACKFILL NOTE:

REFER TO MRWA BACKFILL SPECIFICATION
04-03.1 FOR BACKFILLING AND EMBEDMENT
DETAILS FOR SEWERS CONSTRUCTED
UNDER ROADS AND FOOTPATHS.

SERVICES OFFSETS AND LOCATION TABLE

Location	WATER		ELECTRICITY		TELECOM
	DW		CABLES	POLE	
SACRED DRIVE	2.75 N		2.30 S	0.90 BOK	1.80 N
SPECKLE CIRCUIT (LOT 719 T O 720)	2.60 W		2.30 E	0.90 BOK	1.80 E
SPECKLE CIRCUIT (LOT 725 T O 726)	2.60 W		2.30 E	0.90 BOK	1.80 E
FLYCATCHER ROAD	2.60 E		2.30 W	0.90 BOK	1.80 W
KRISTEN ROAD	2.60 S		2.30 N	0.90 BOK	1.80 N
VANGEL ROAD	2.60 S		2.30 N	0.90 BOK	1.80 N
PEDRO STREET	2.60 W		2.30 E	0.90 BOK	1.80 E
ZOOGIE ROAD	2.60 W		2.30 E	0.90 BOK	1.80 E

Rev	Amendments	Approved	Date
1	FINISHED LEVELS UPDATED	M.T.S	1/06/22
0	CONSTRUCTION ISSUE	M.T.S	27/05/22



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Communities Designed for Living

Designed
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Authorised
M. TOOMER-SMITH

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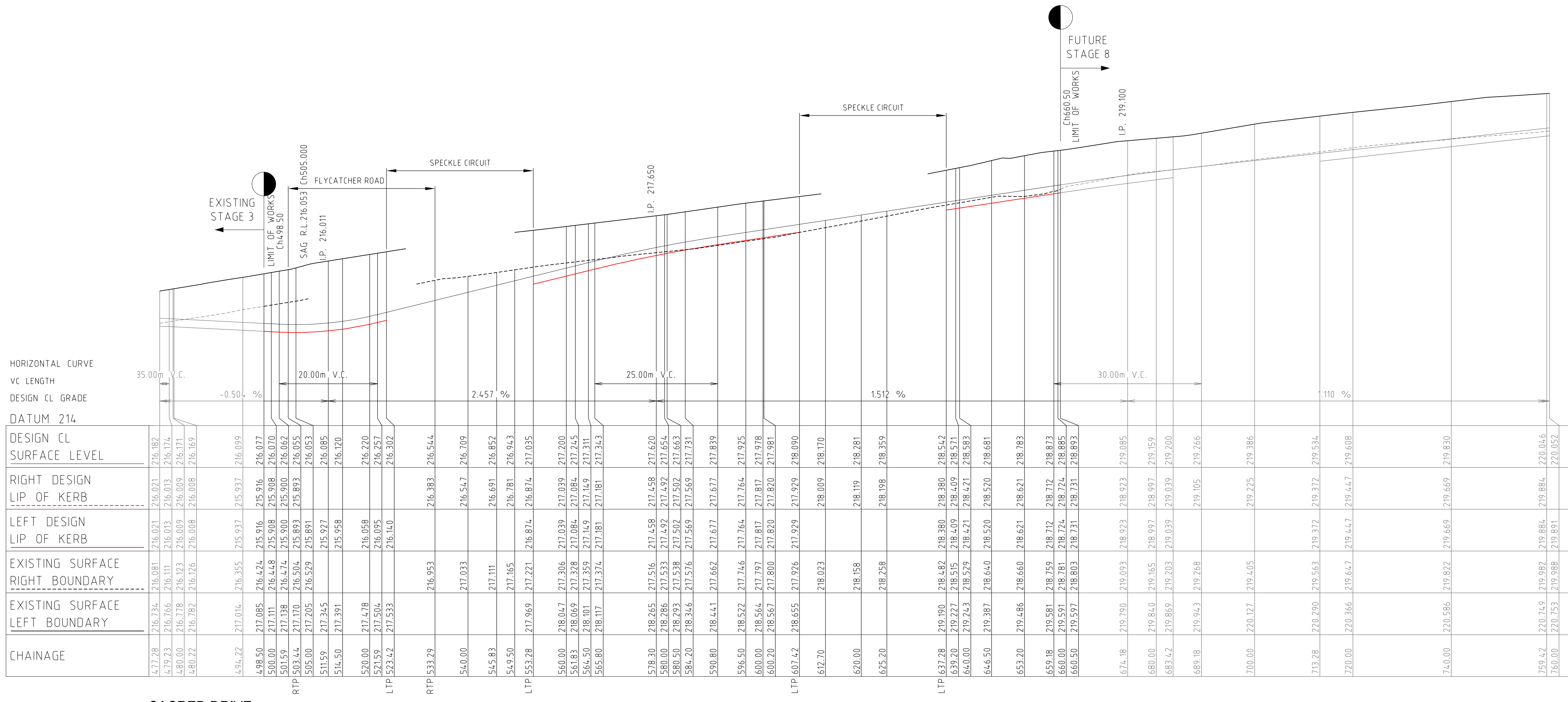
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**REDSTONE ESTATE
STAGE 7
ROAD AND DRAINAGE FACE PLAN
SHEET 2 OF 2**

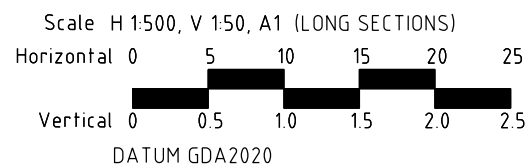
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HUME CITY COUNCIL


AS CONSTRUCTED Drg No 305918R03 Rev 1



SACRED DRIVE

0	CONSTRUCTION ISSUE	M.T.S	27/05/22
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ABN 55 050 029 635



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R. WEINBER

Authorised
M. TOOMER-SMITH

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D. CAMERON

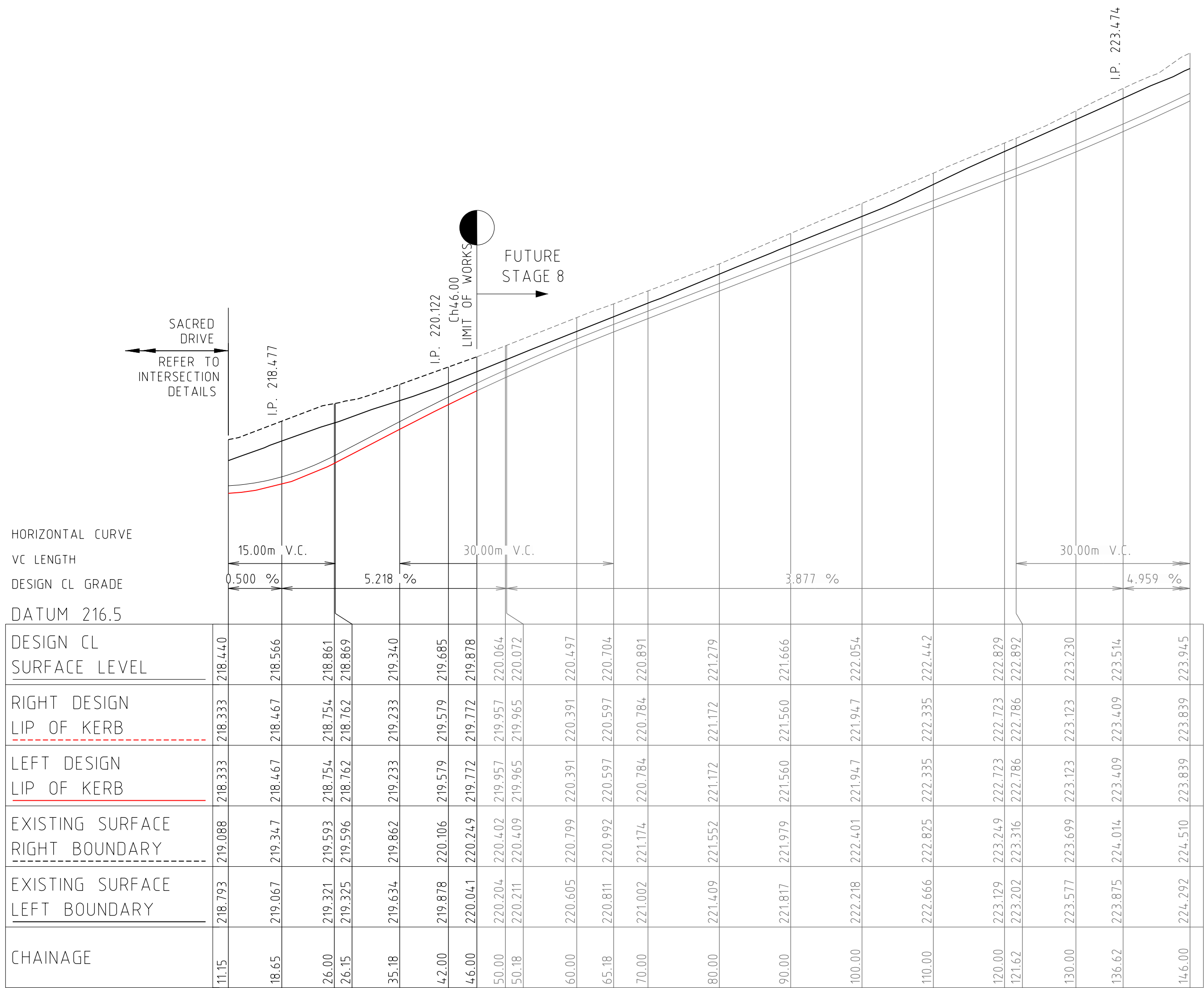
Date
05/07/21

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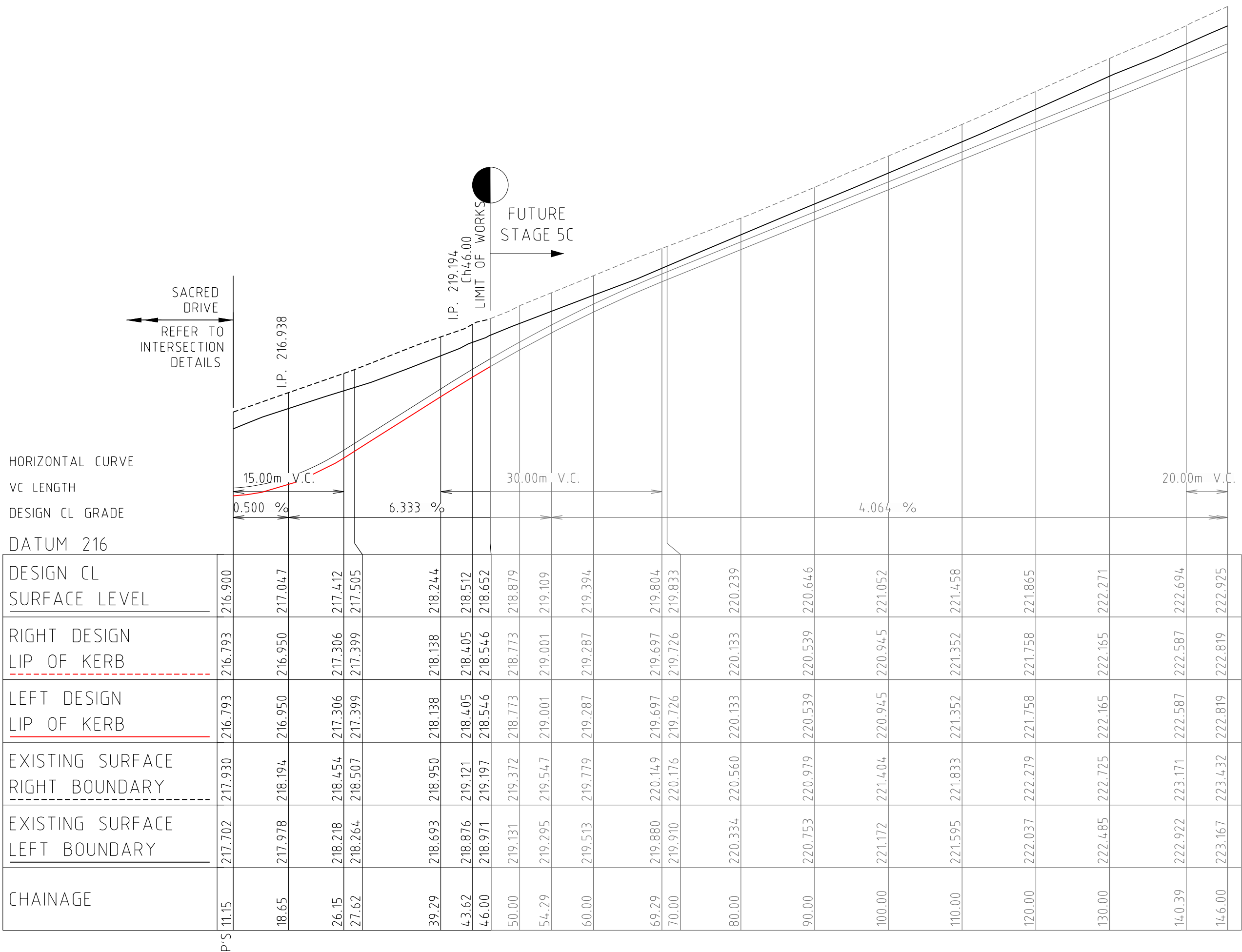
**REDSTONE ESTATE
STAGE 7**
LONGITUDINAL SECTIONS - SACRED DRIVE

VILLAWOOD PROPERTIES
HUME CITY COUNCIL

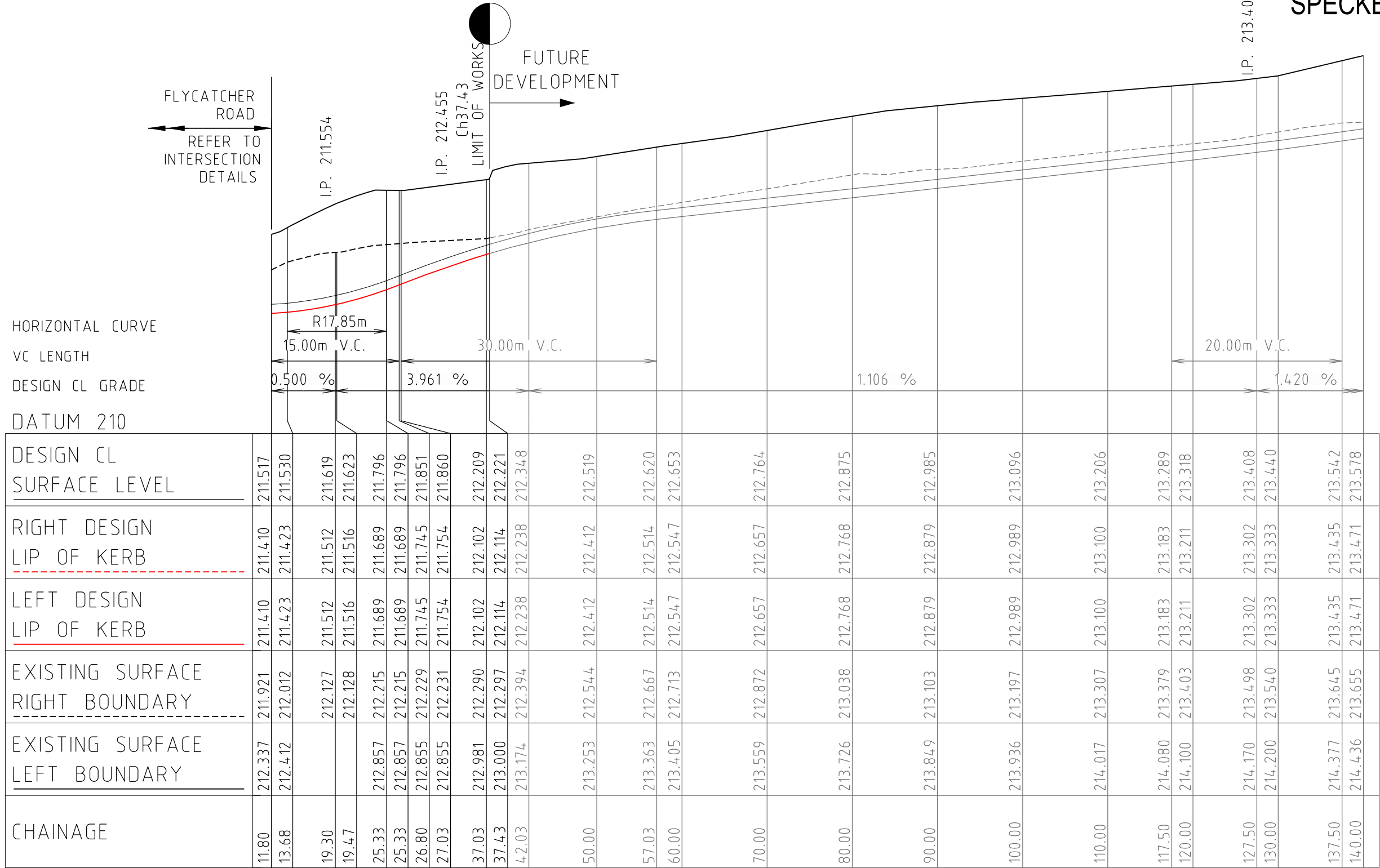
AS CONSTRUCTED Drg No **305918R04** Rev **0**



SPECKEL CIRCUIT (LOT 724)



SPECKEL CIRCUIT (LOT 721)



KRISTEN ROAD

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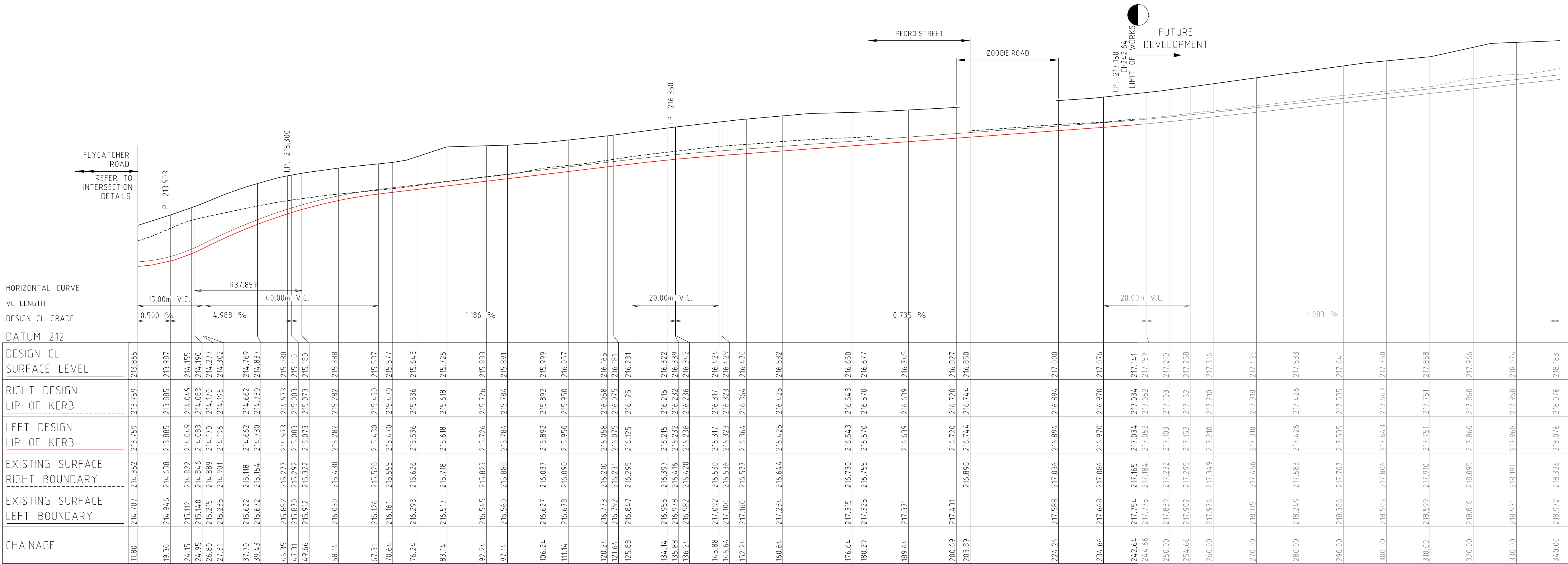
REDSTONE ESTATE
STAGE 7
LONGITUDINAL SECTIONS - SPECKLE CIRCUIT
& KRISTEN ROAD

VILLAWOOD PROPERTIES
HUME CITY COUNCIL

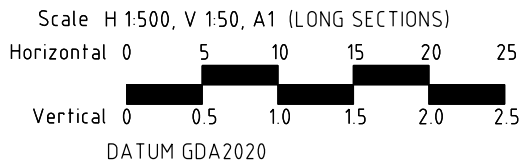
AS CONSTRUCTED

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305918R06

Rev
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villawood properties

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REDSTONE ESTATE

STAGE 7

LONGITUDINAL SECTIONS - VANGEL ROAD, PEDRO STREET & ZOOGIE ROAD

VILLAWOOD PROPERTIES

HUME CITY COUNCIL

AS CONSTRUCTED

Drg No 305918R07

Rev 0



Scale H 1:100, V 150, A1 (CROSS SECTIONS)



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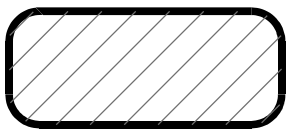
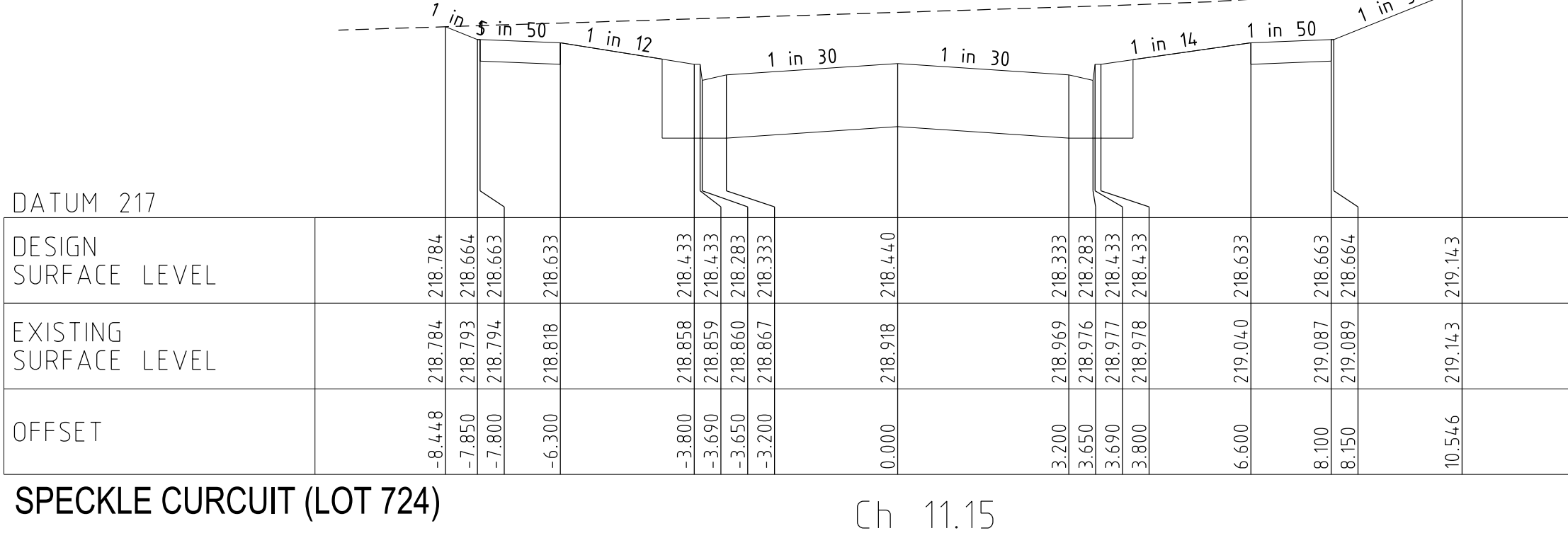
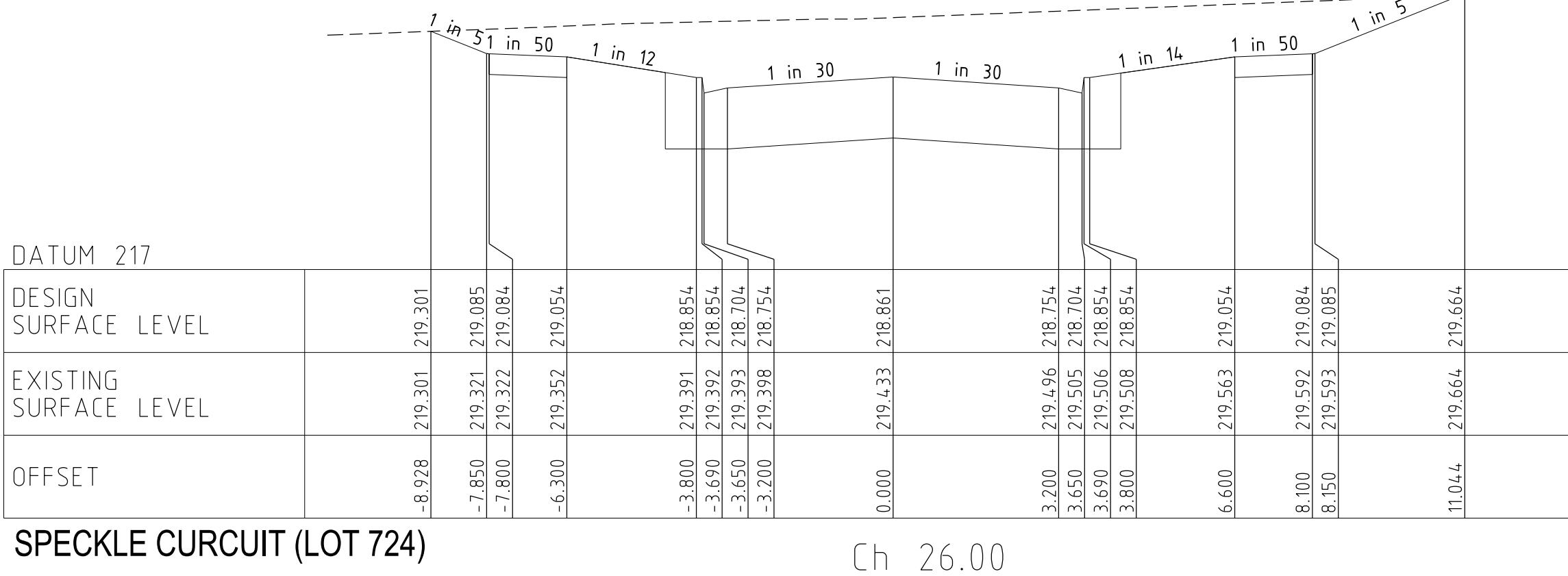
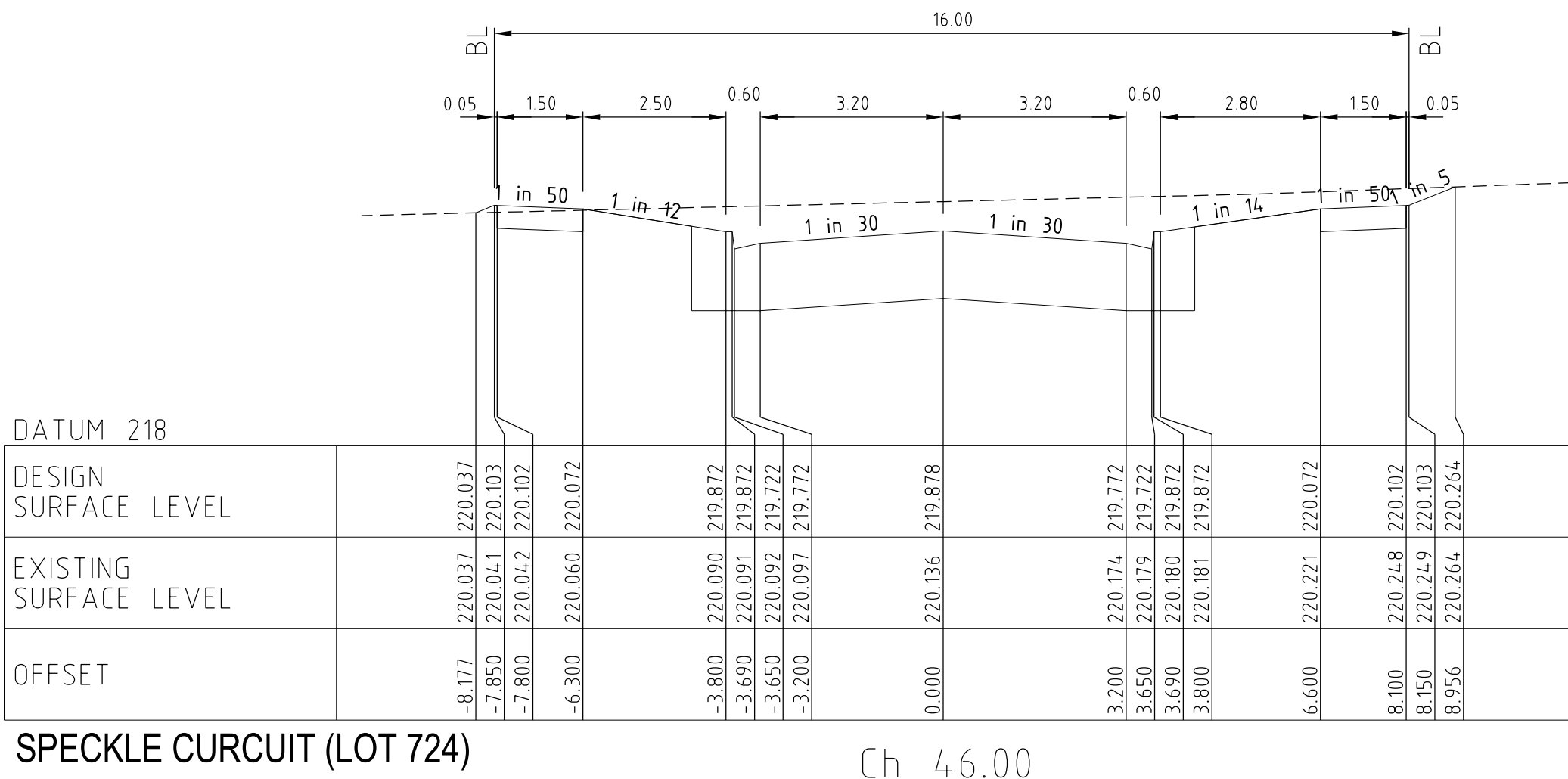
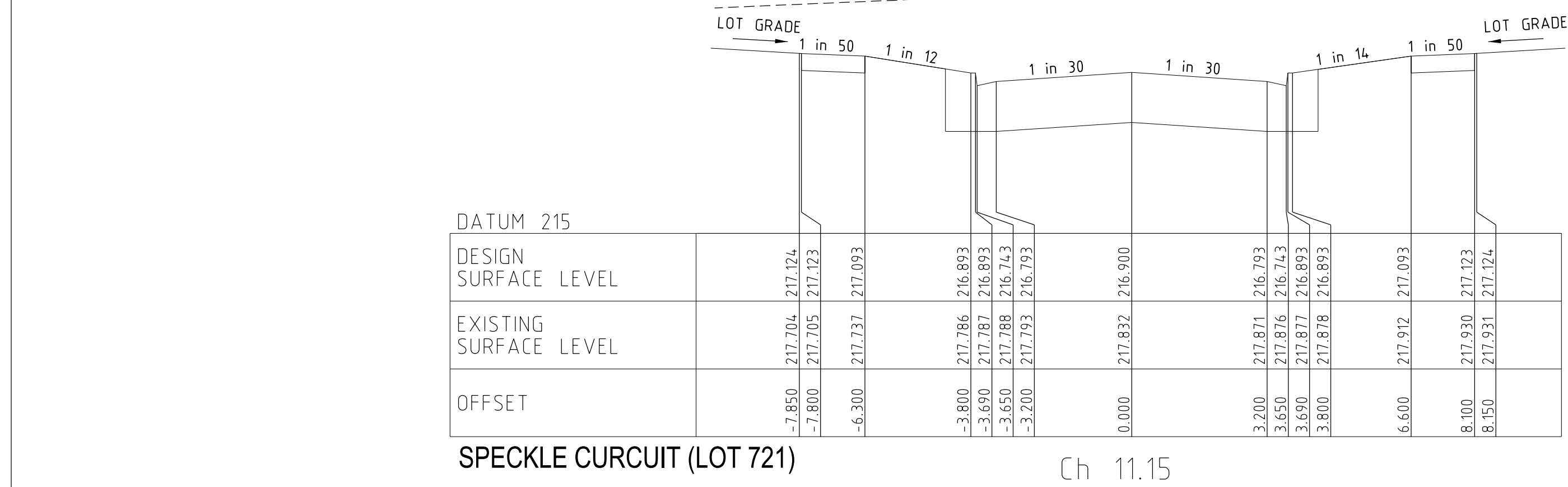
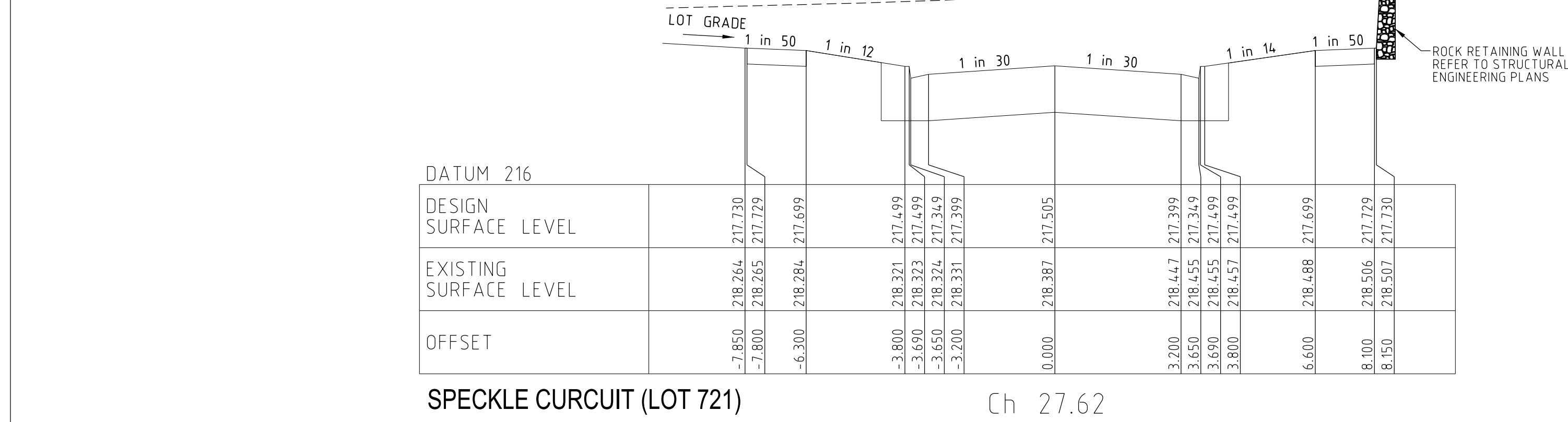
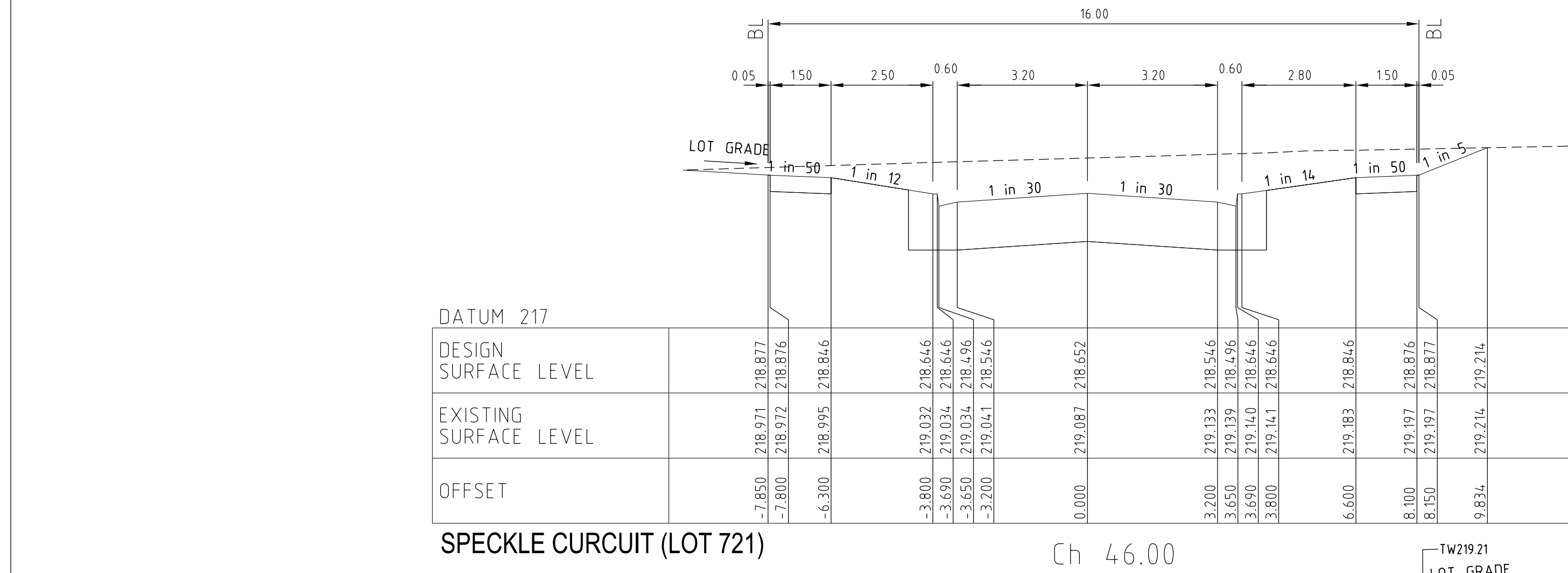
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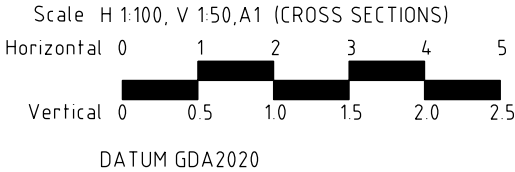
AS CONSTRUCTED ^{Drg No} **305918R08**

ev



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D. CAMERON
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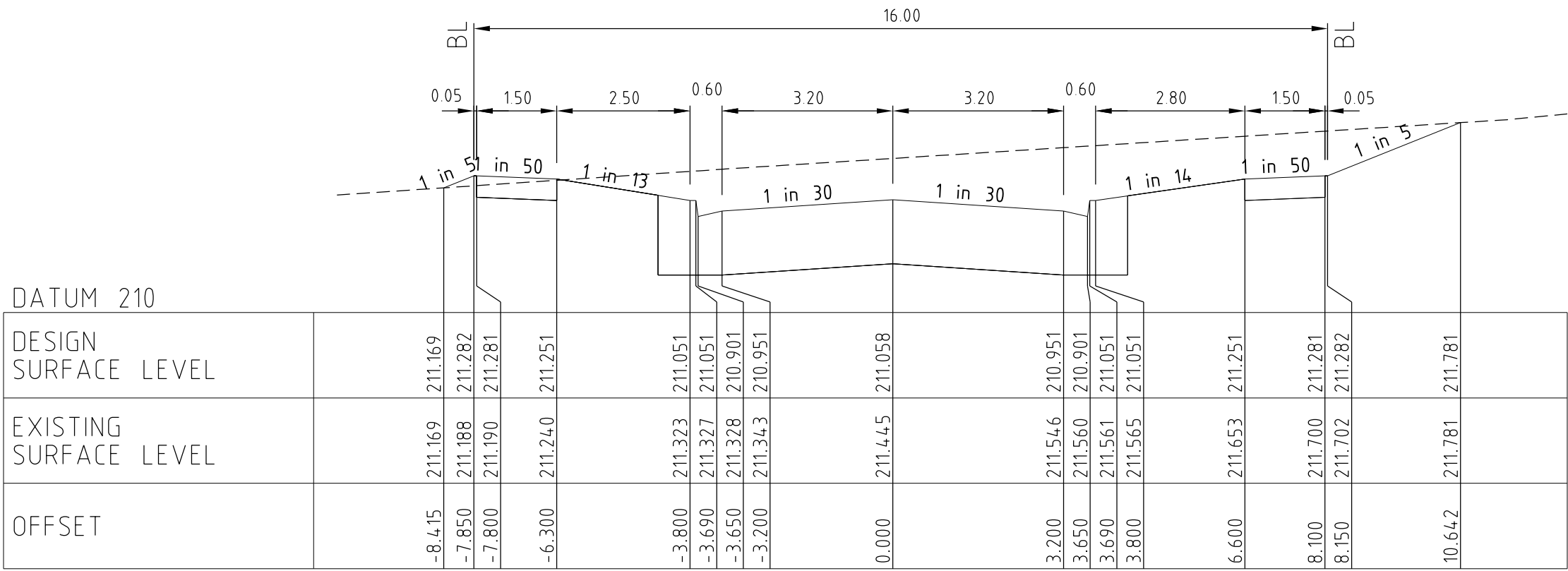
REDSTONE ESTATE
STAGE 7
CROSS SECTIONS
SPECKLE CIRCUIT
VILLAWOOD PROPERTIES
HUME CITY COUNCIL

AS CONSTRUCTED

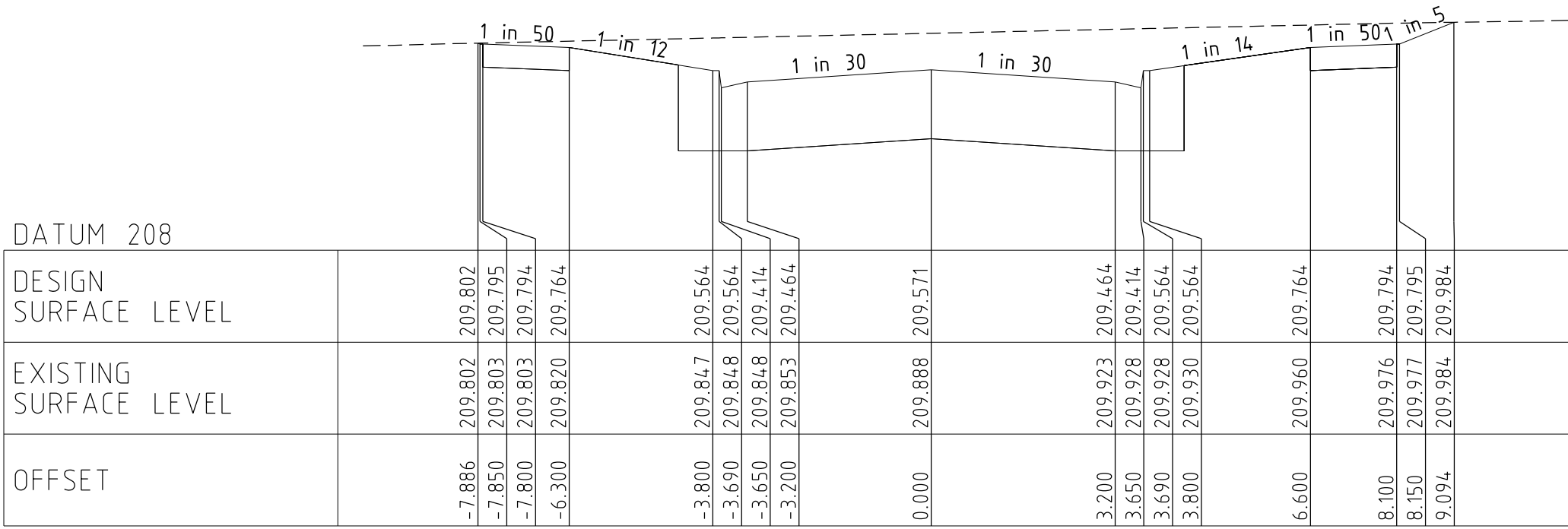
Drg No

Rev

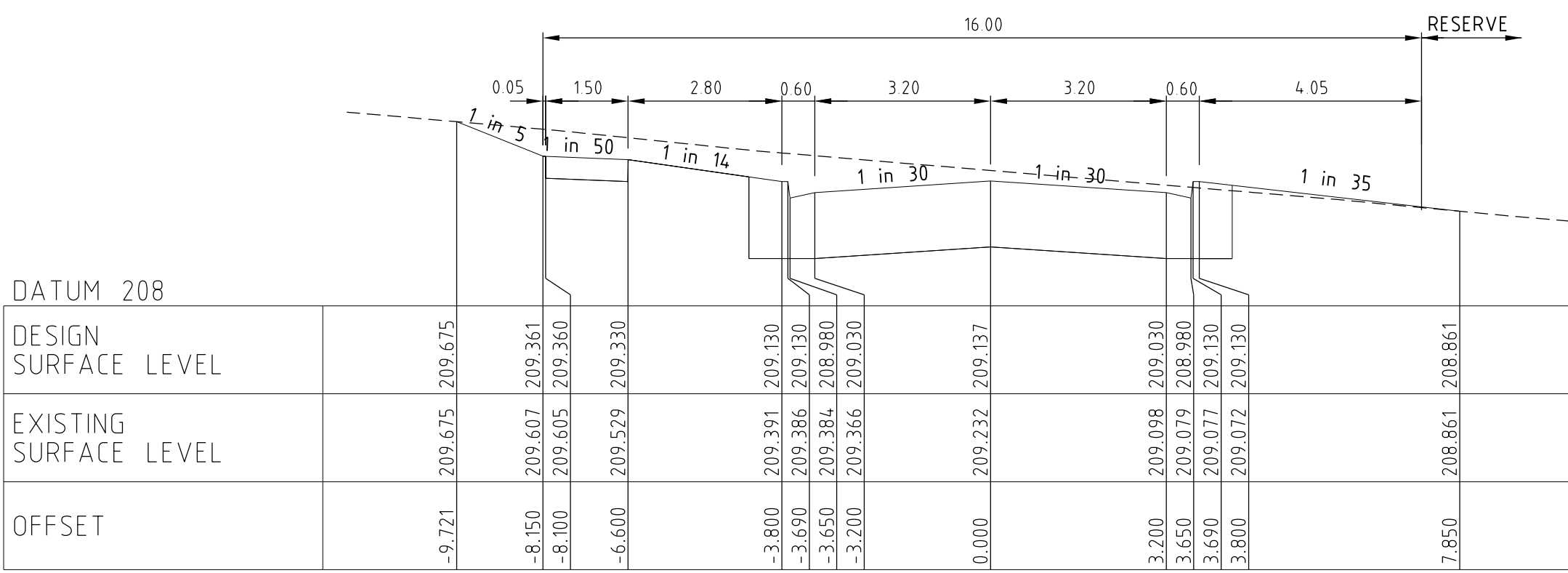
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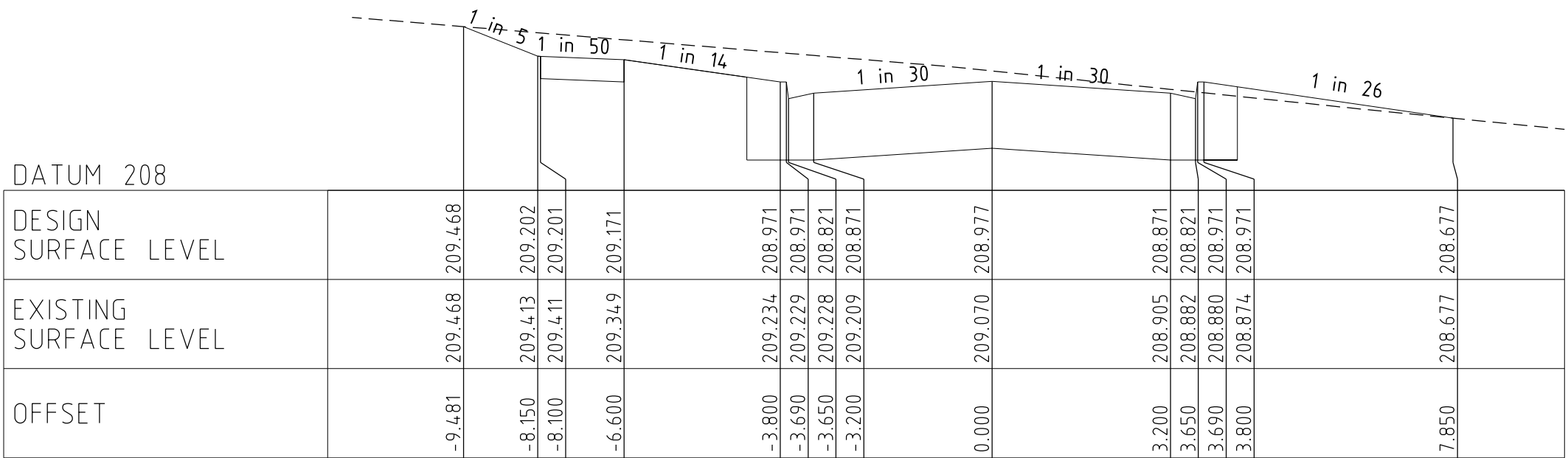
FLYCATCHER ROAD
Ch 347.02



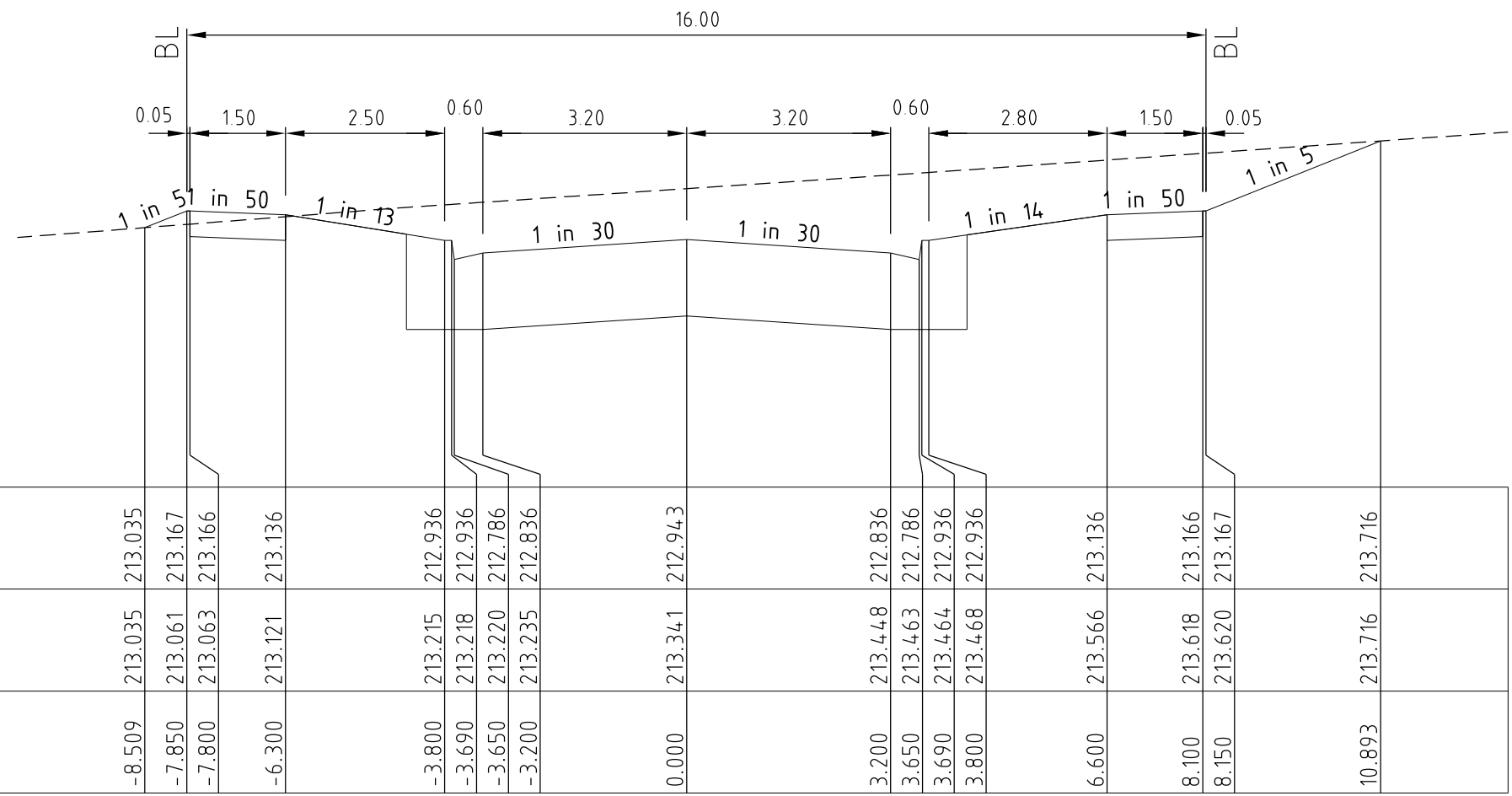
FLYCATCHER ROAD
Ch 303.53



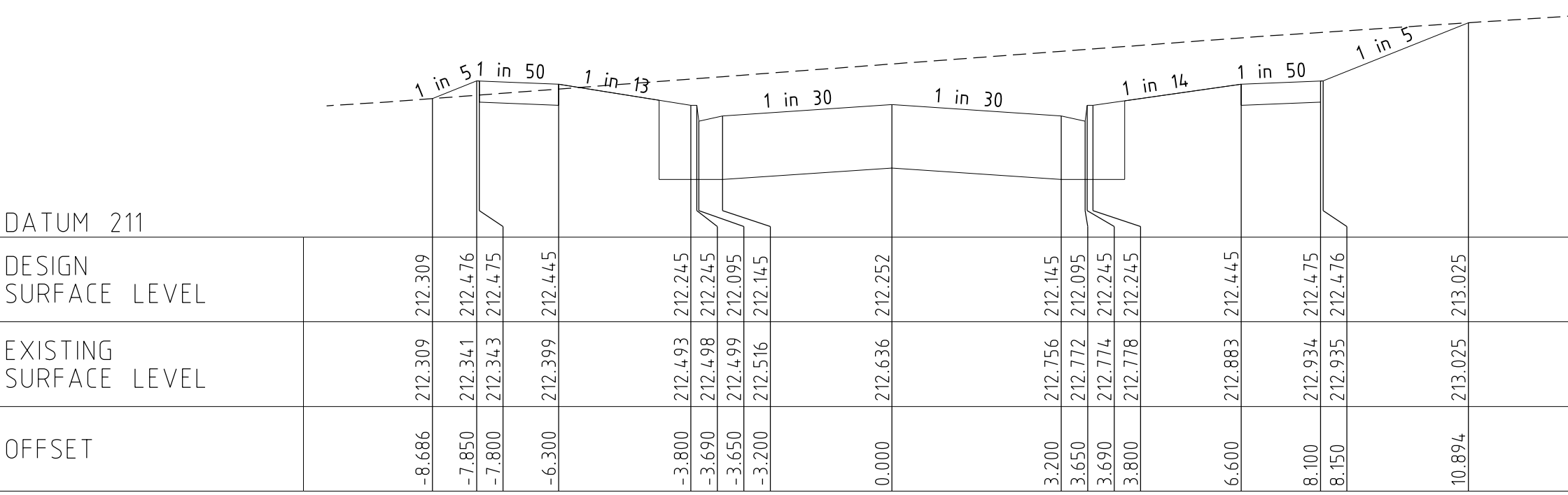
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Ch 285.94



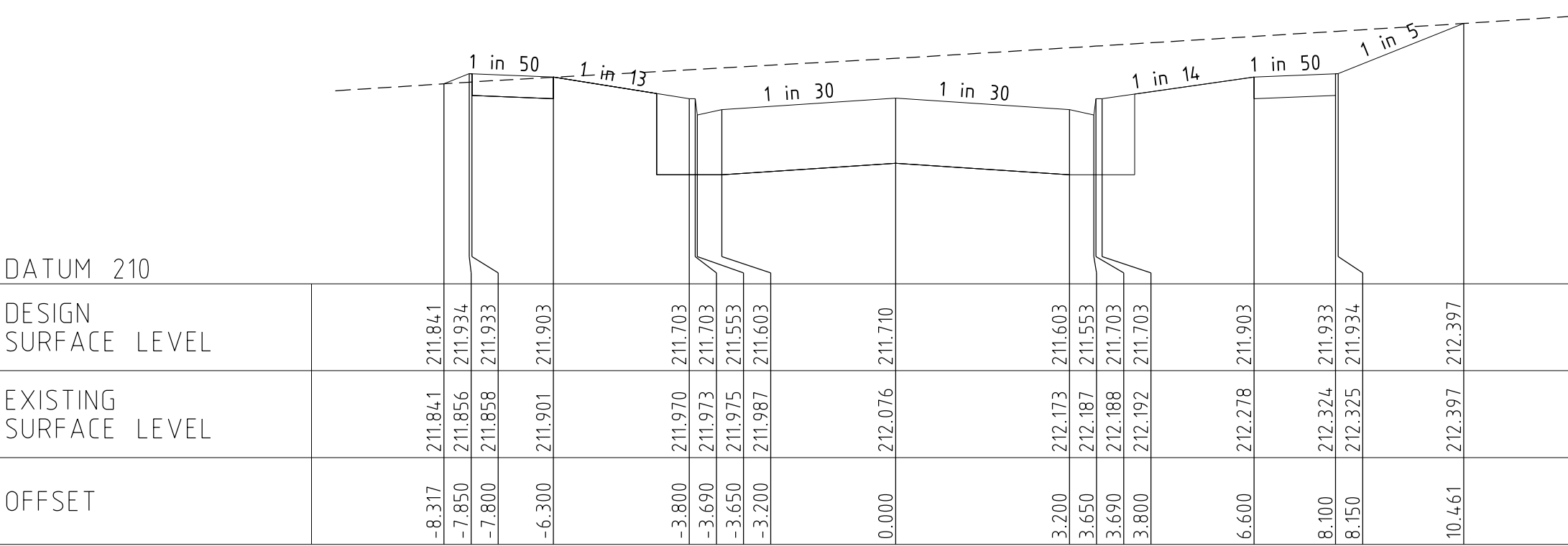
FLYCATCHER ROAD
Ch 268.67



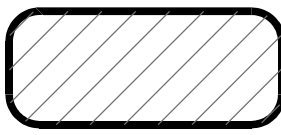
FLYCATCHER ROAD
Ch 415.24



FLYCATCHER ROAD
Ch 390.24

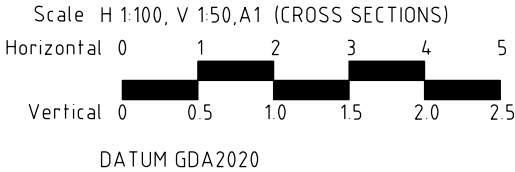


FLYCATCHER ROAD
Ch 370.62



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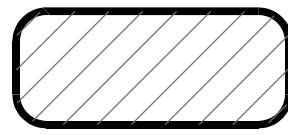
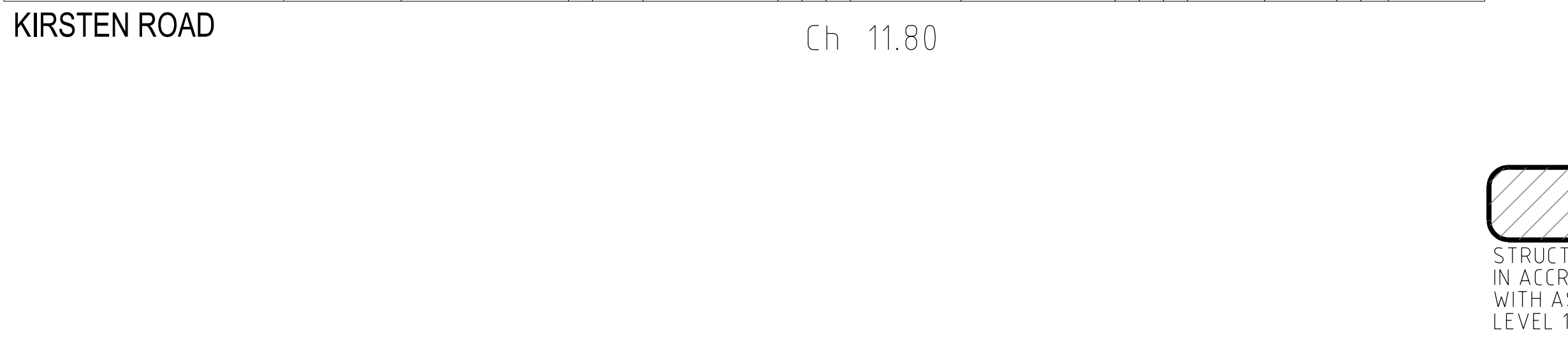
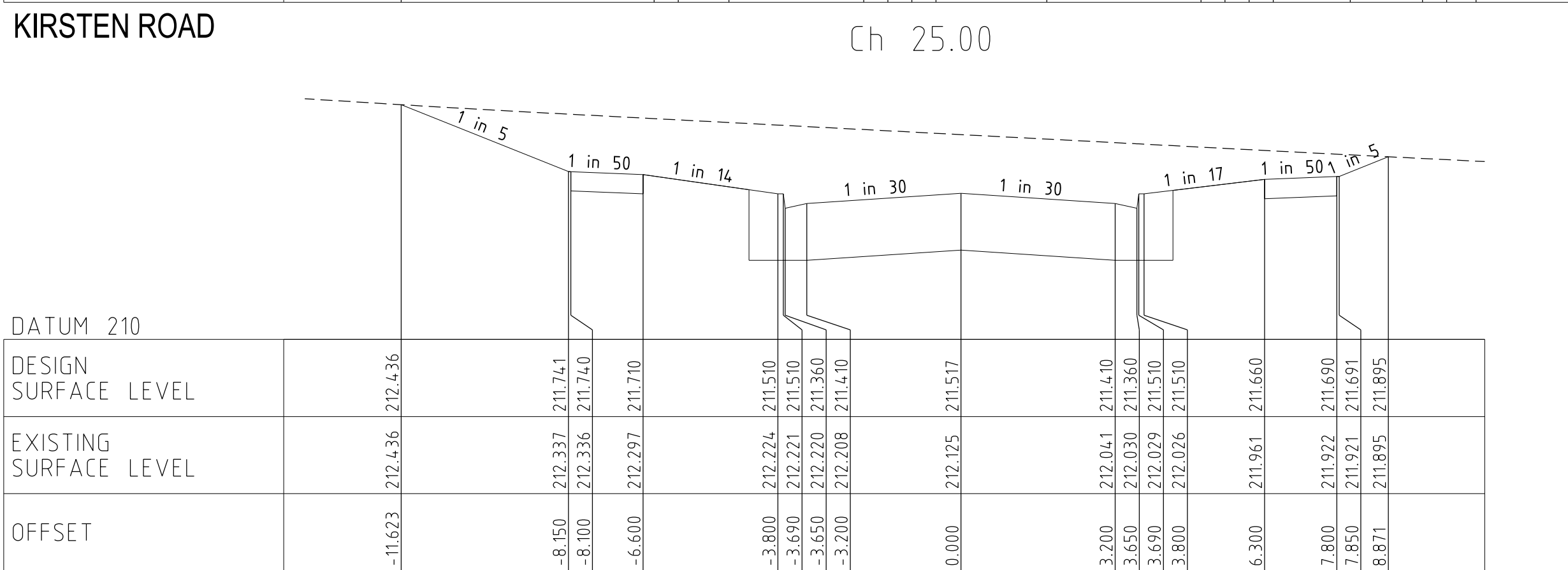
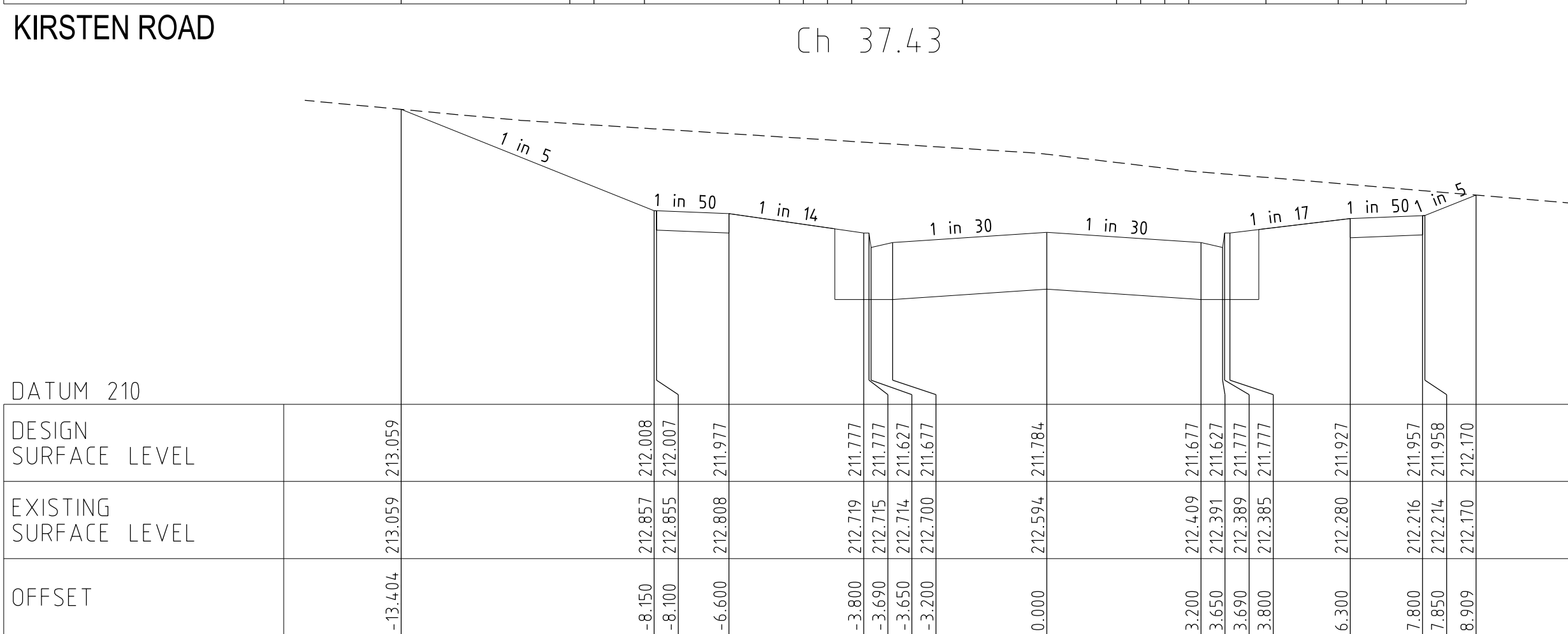
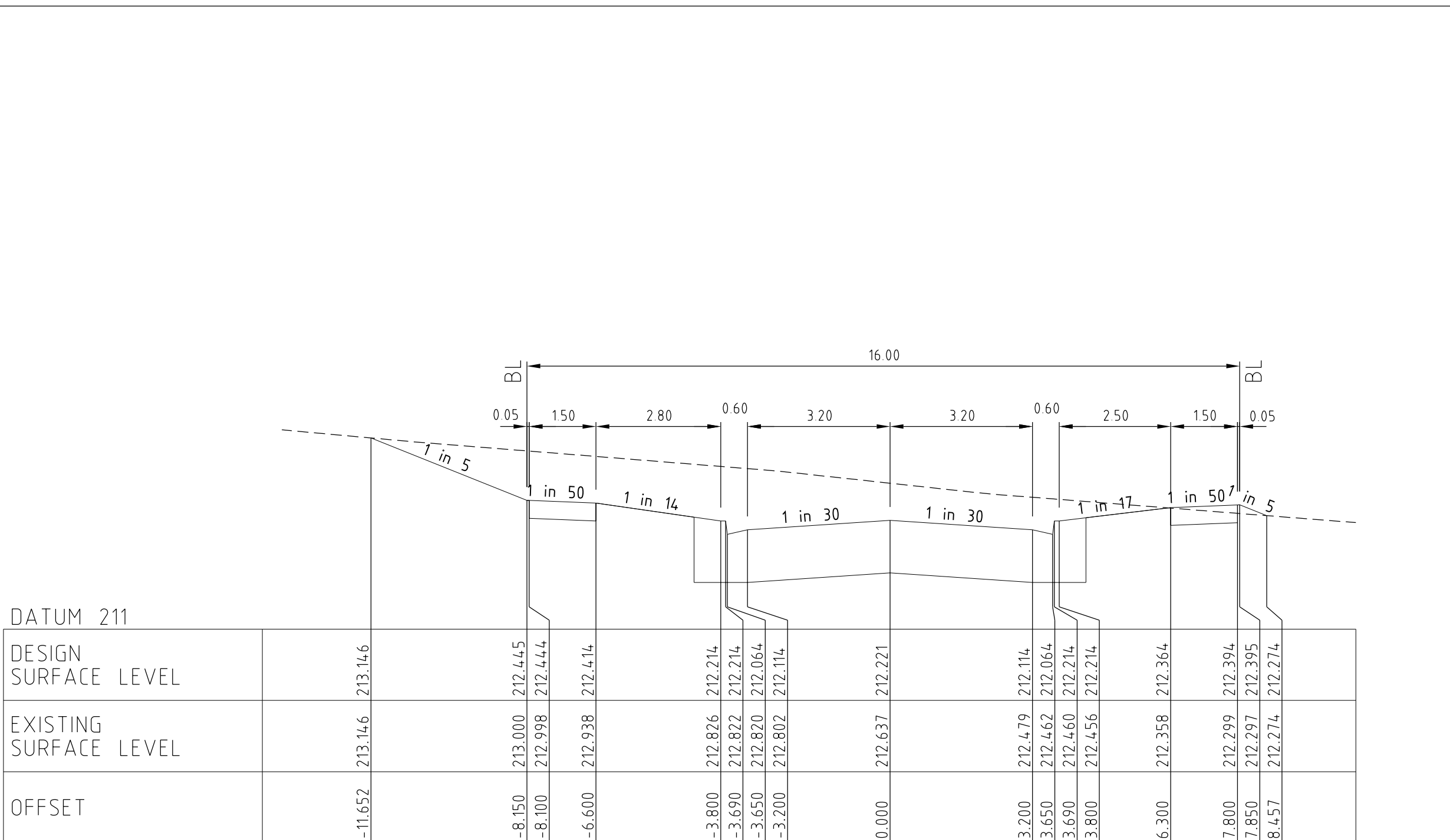
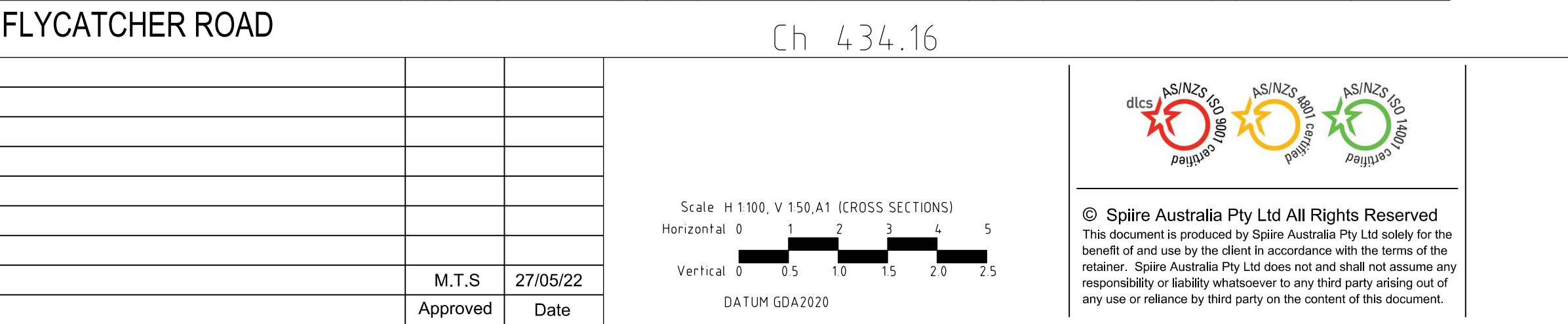
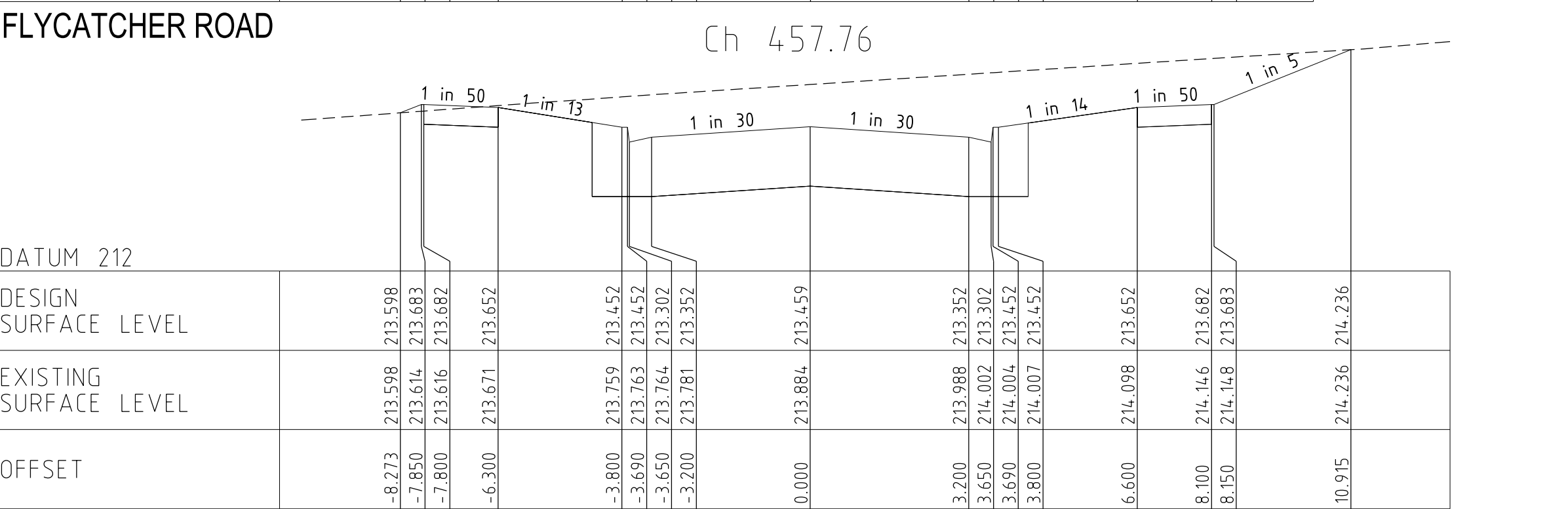
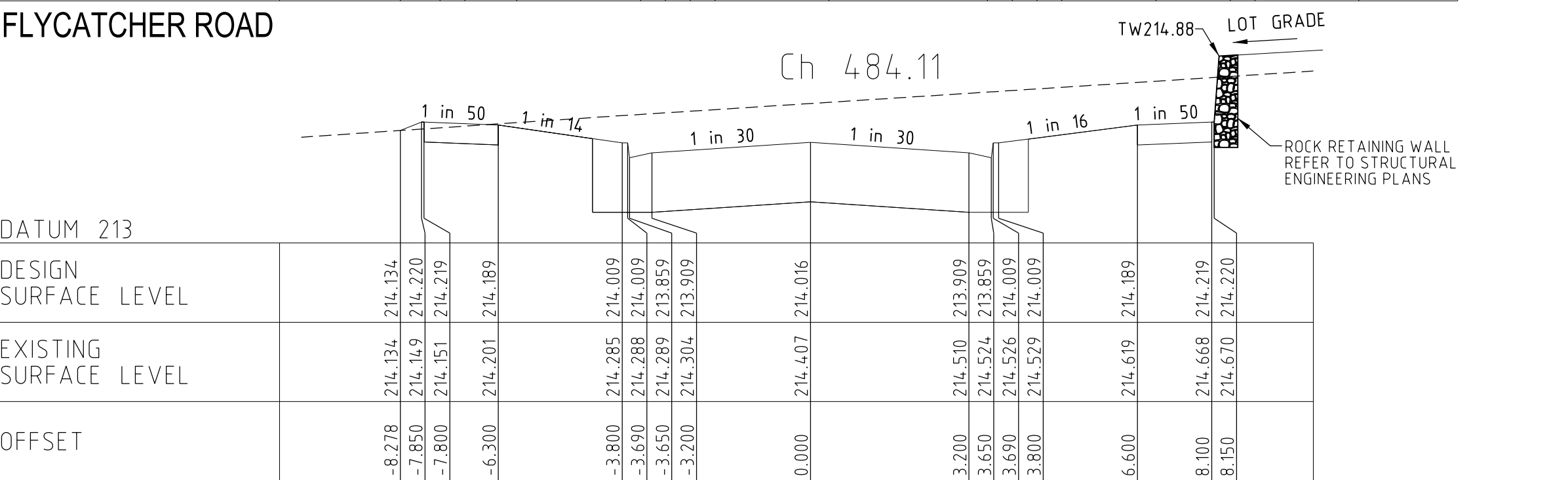
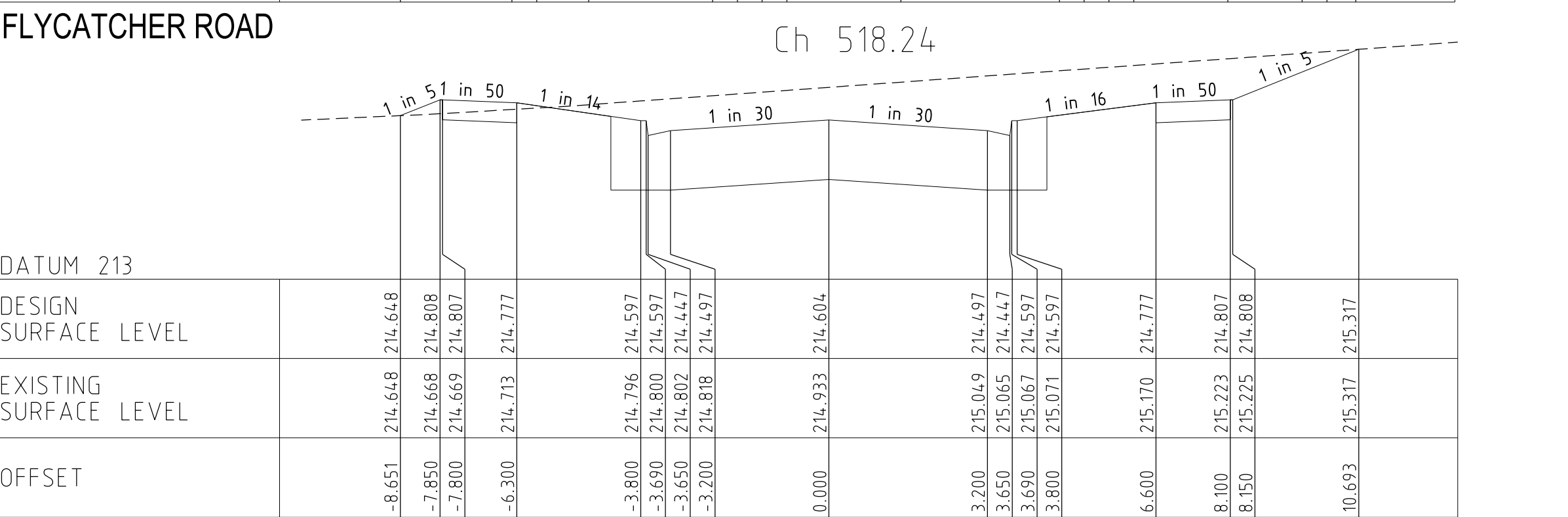
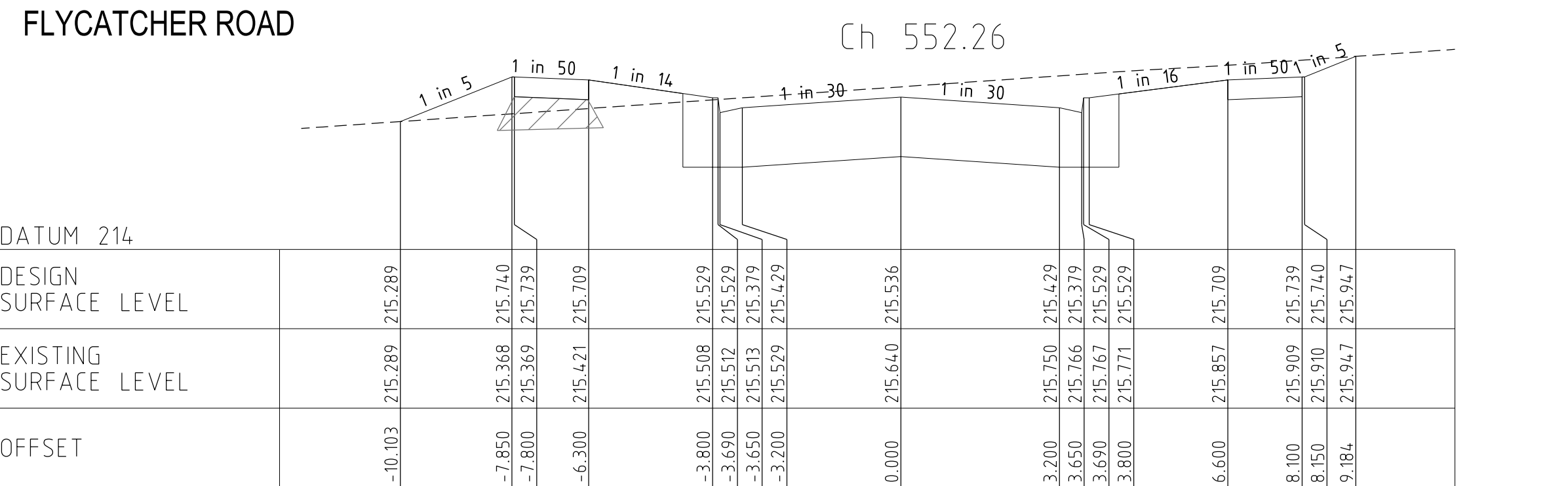
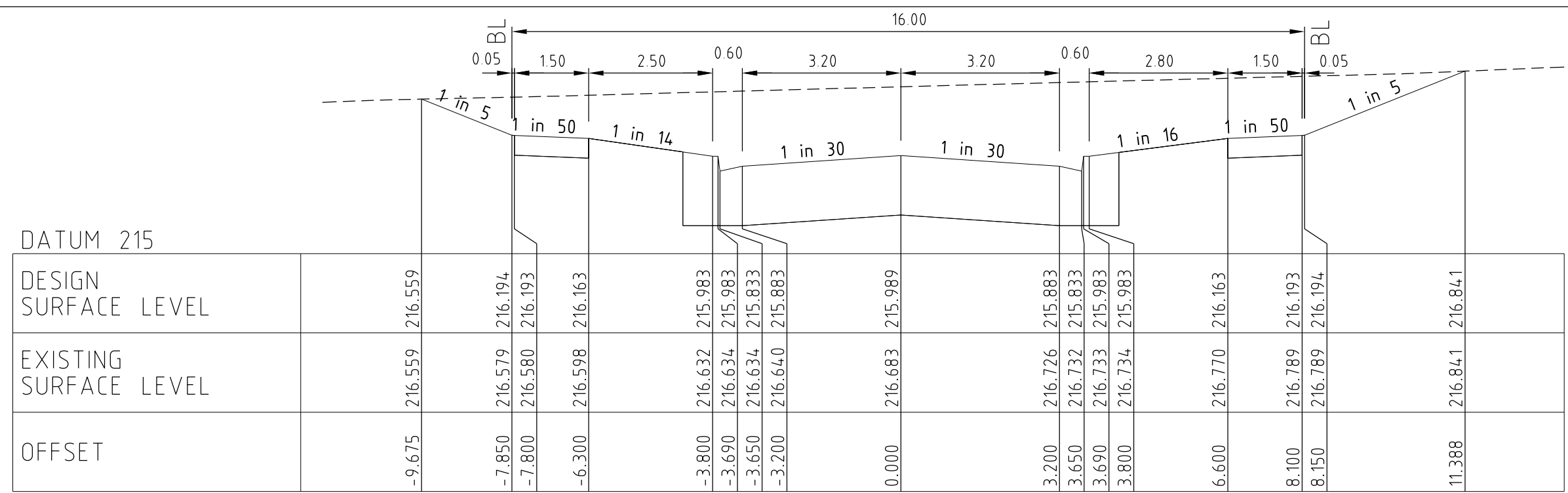
Checked
D. CAMERON
Date
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REDSTONE ESTATE
STAGE 7
CROSS SECTIONS - FLYCATCHER ROAD

VILLAWOOD PROPERTIES
HUME CITY COUNCIL

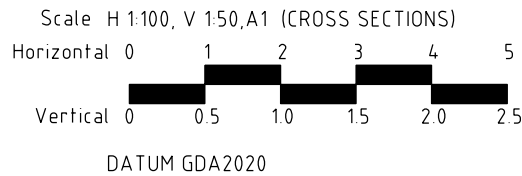
AS CONSTRUCTED
Drg No 305918R10

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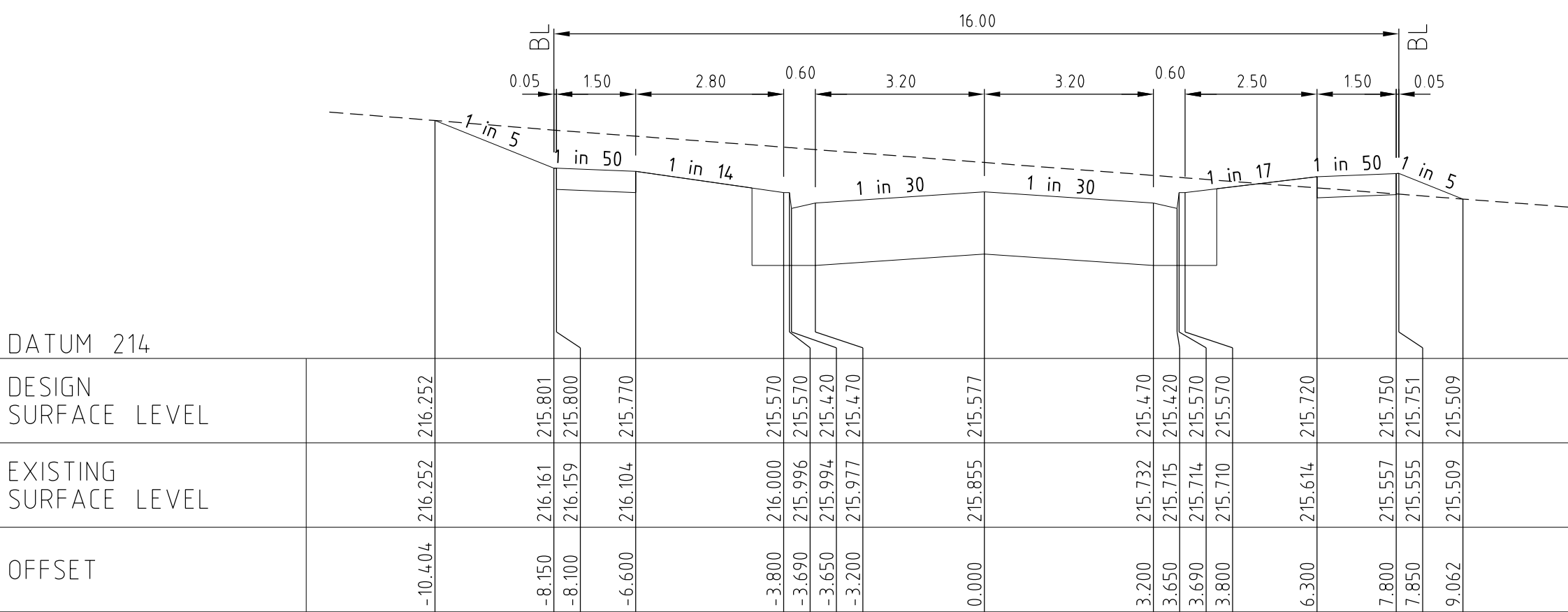
REDSTONE ESTATE
STAGE 7
CROSS SECTIONS
FLYCATCHER ROAD & KIRSTEN ROAD
VILLAWOOD PROPERTIES
HUME CITY COUNCIL

AS CONSTRUCTED 305918R11

Drg No

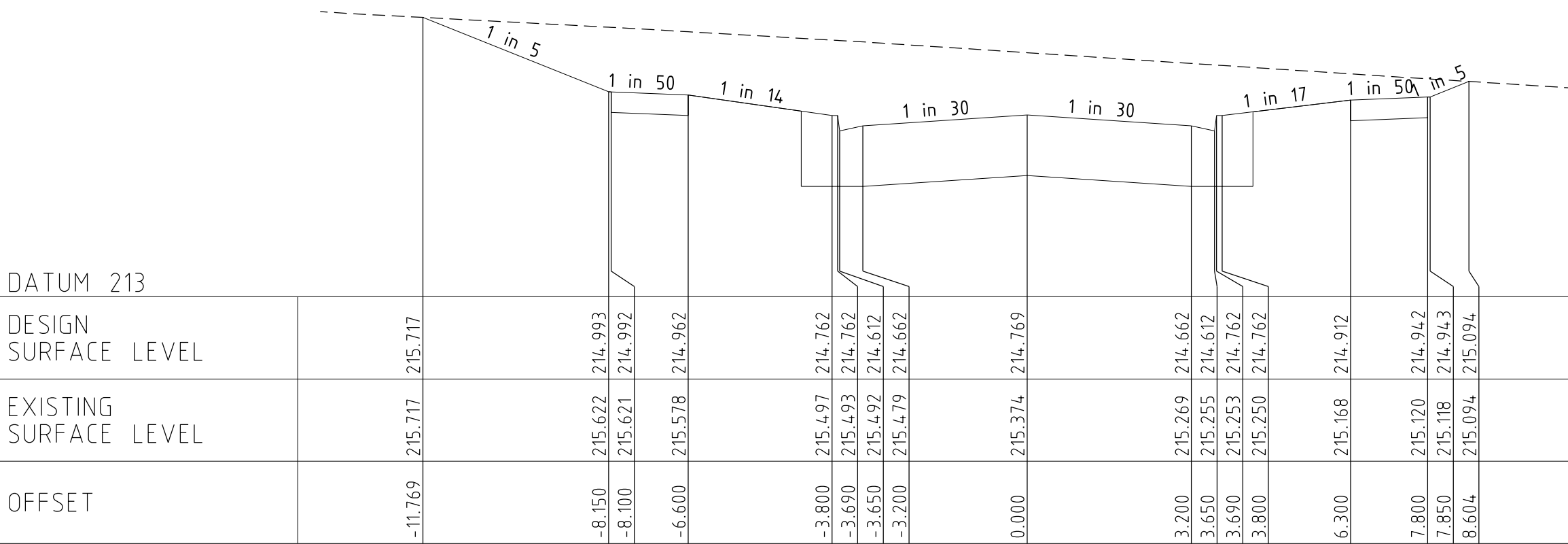
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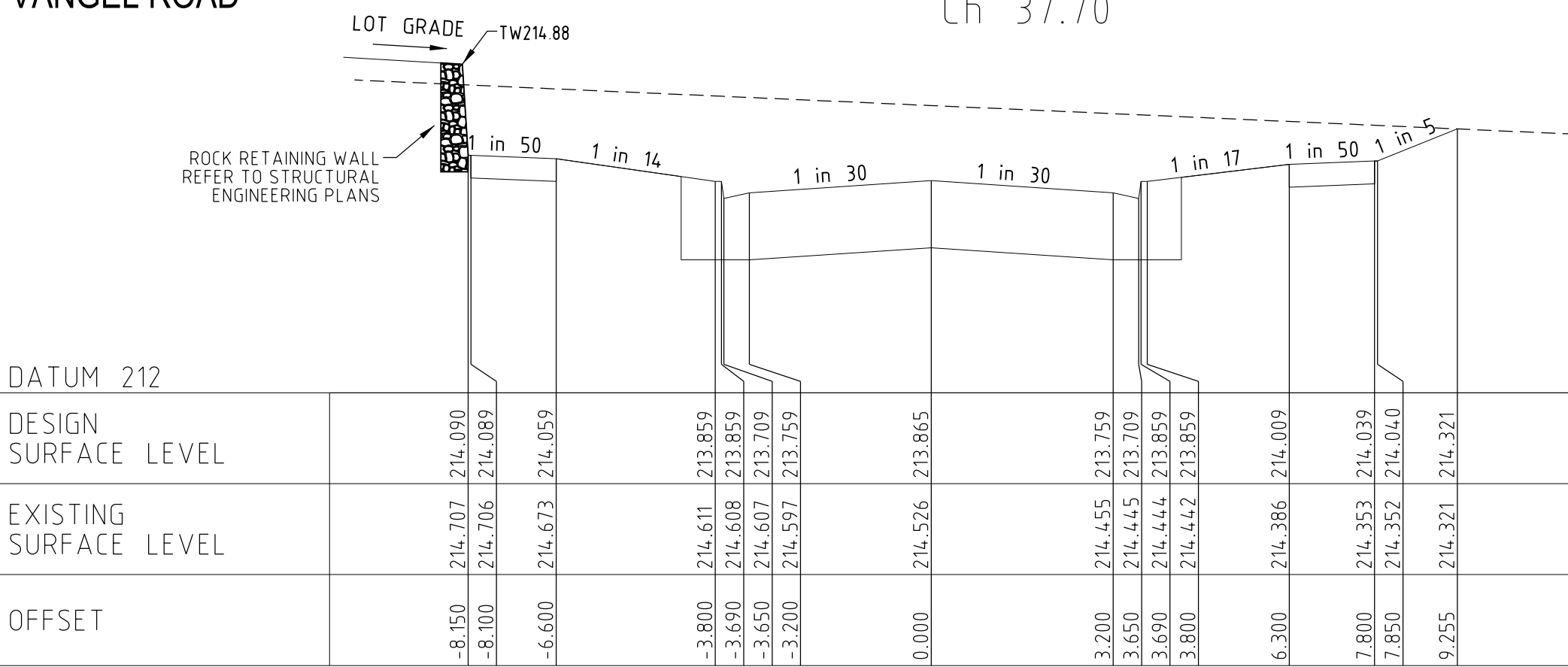
VANGEL ROAD

Ch 70.64



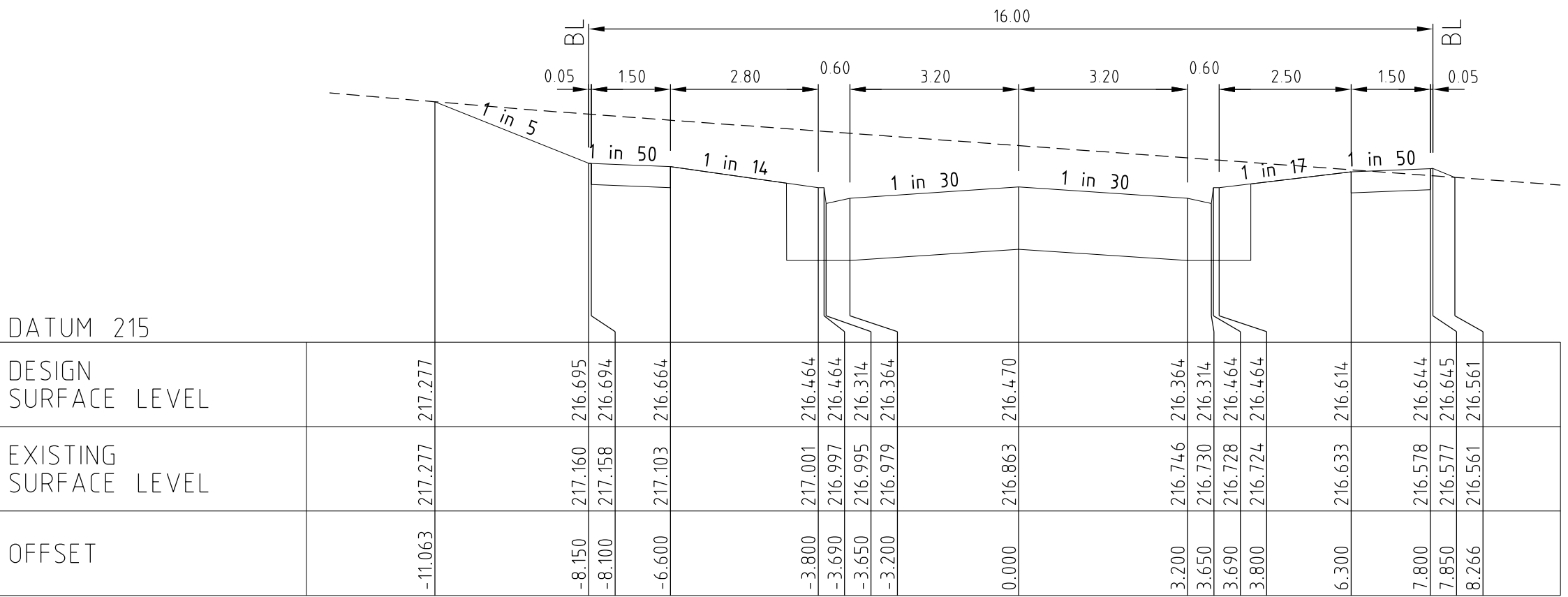
VANGEL ROAD

Ch 37.70



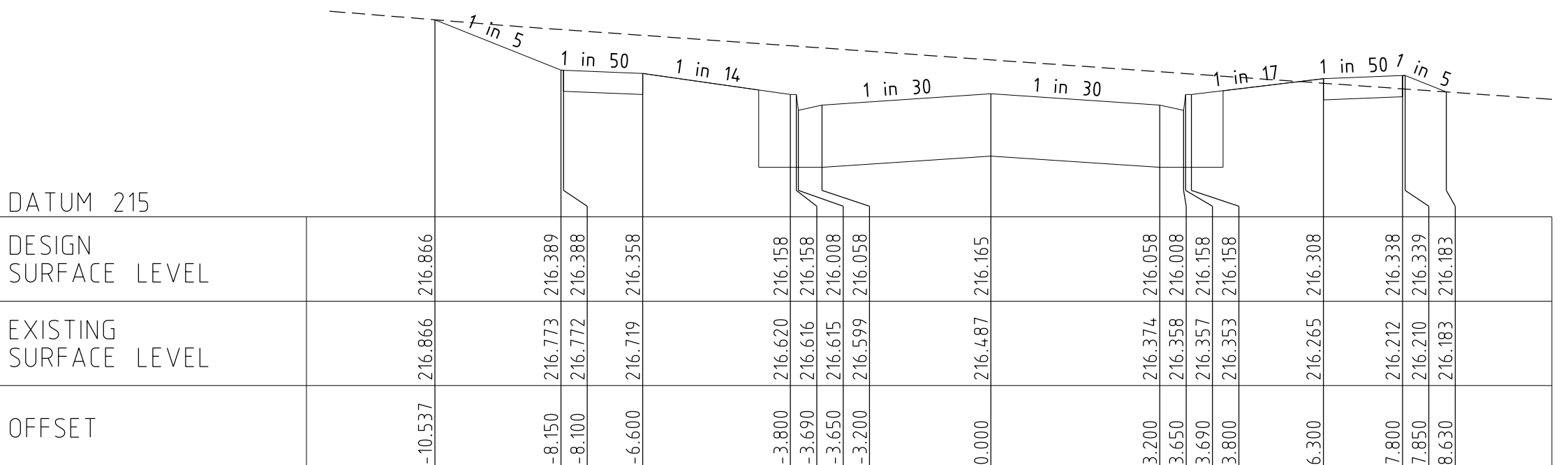
VANGEL ROAD

Ch 11.80



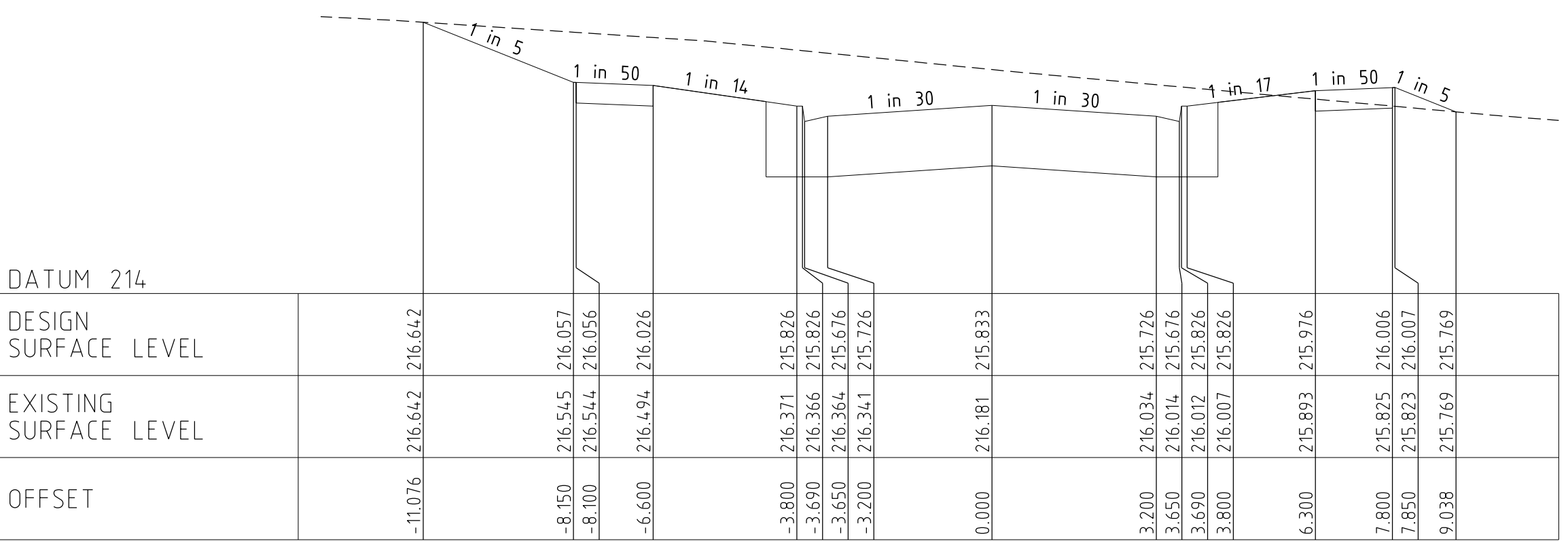
VANGEL ROAD

Ch 152.24



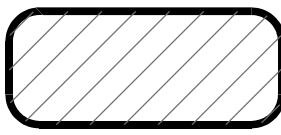
VANGEL ROAD

Ch 120.24



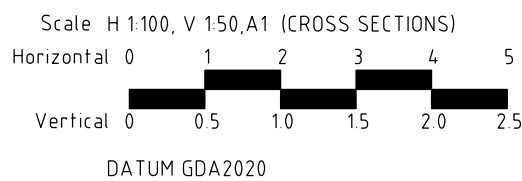
VANGEL ROAD

Ch 92.24



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Date
05/07/21

REDSTONE ESTATE
STAGE 7
CROSS SECTIONS
VANGEL ROAD
VILLAWOOD PROPERTIES
HUME CITY COUNCIL

AS CONSTRUCTED

Drg No

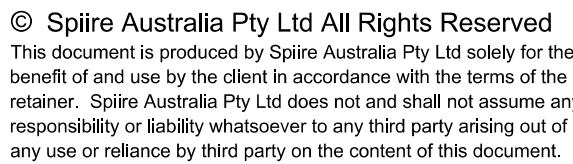
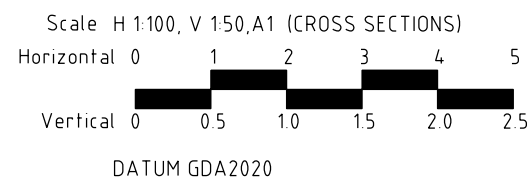
Rev

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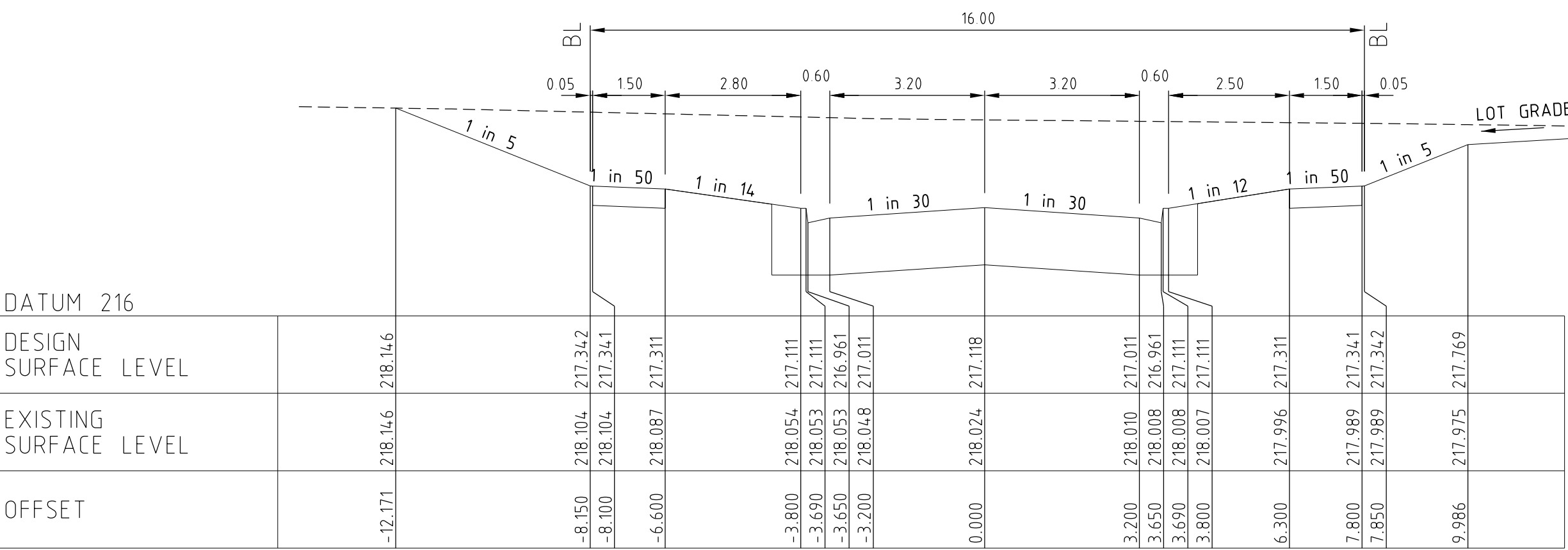
Date
05/07/21

**REDSTONE ESTATE
STAGE 7
CROSS SECTIONS
VANGEL ROAD & PEDRO STREET
VILLAWOOD PROPERTIES
HUME CITY COUNCIL**

AS CONSTRUCTED ^{Drg No} **305918R13**

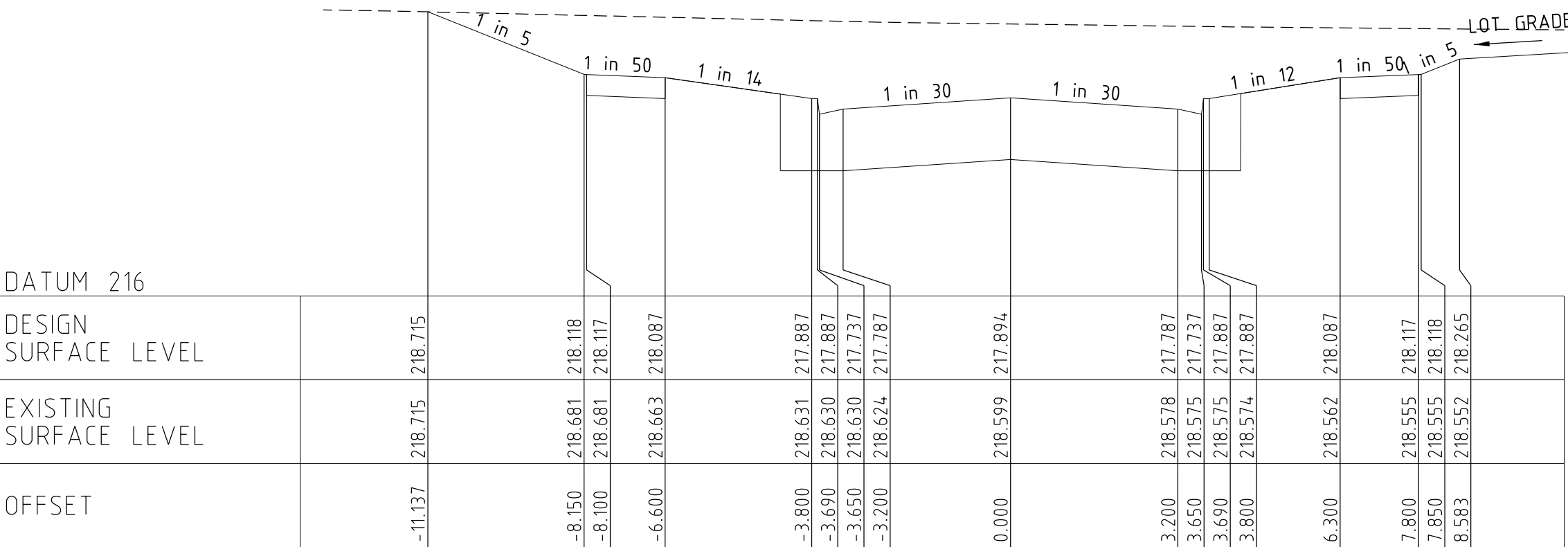
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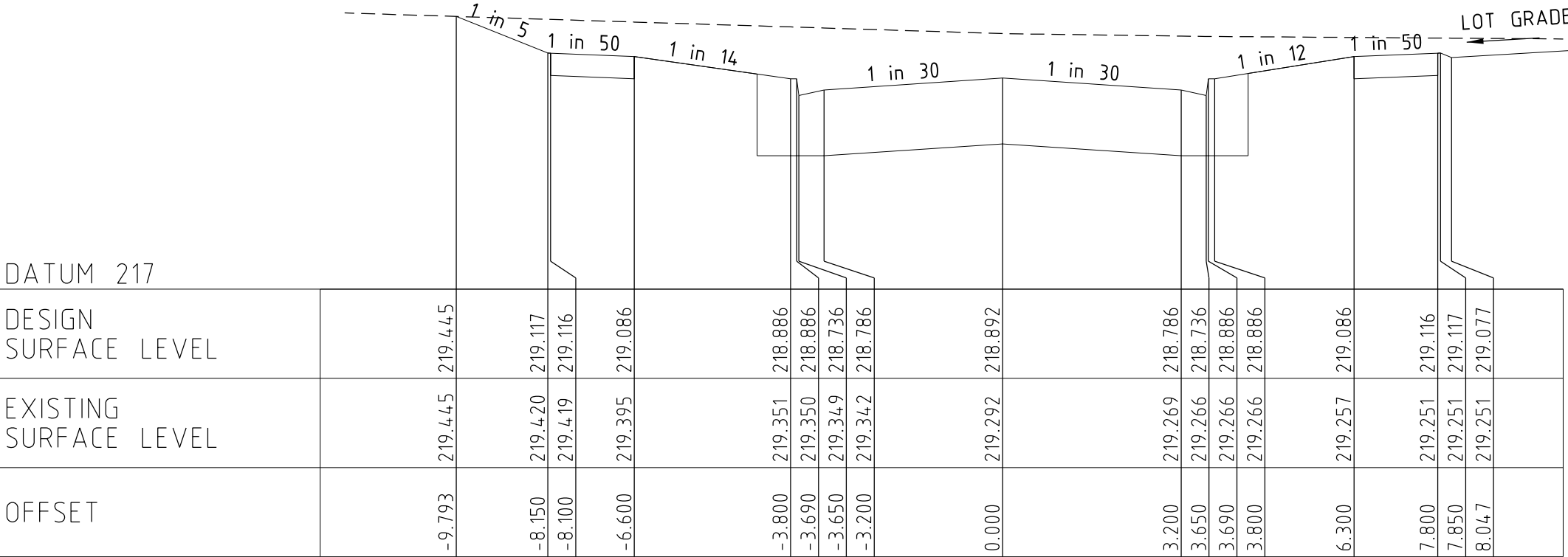
ZOOGIE ROAD

Ch 57.50



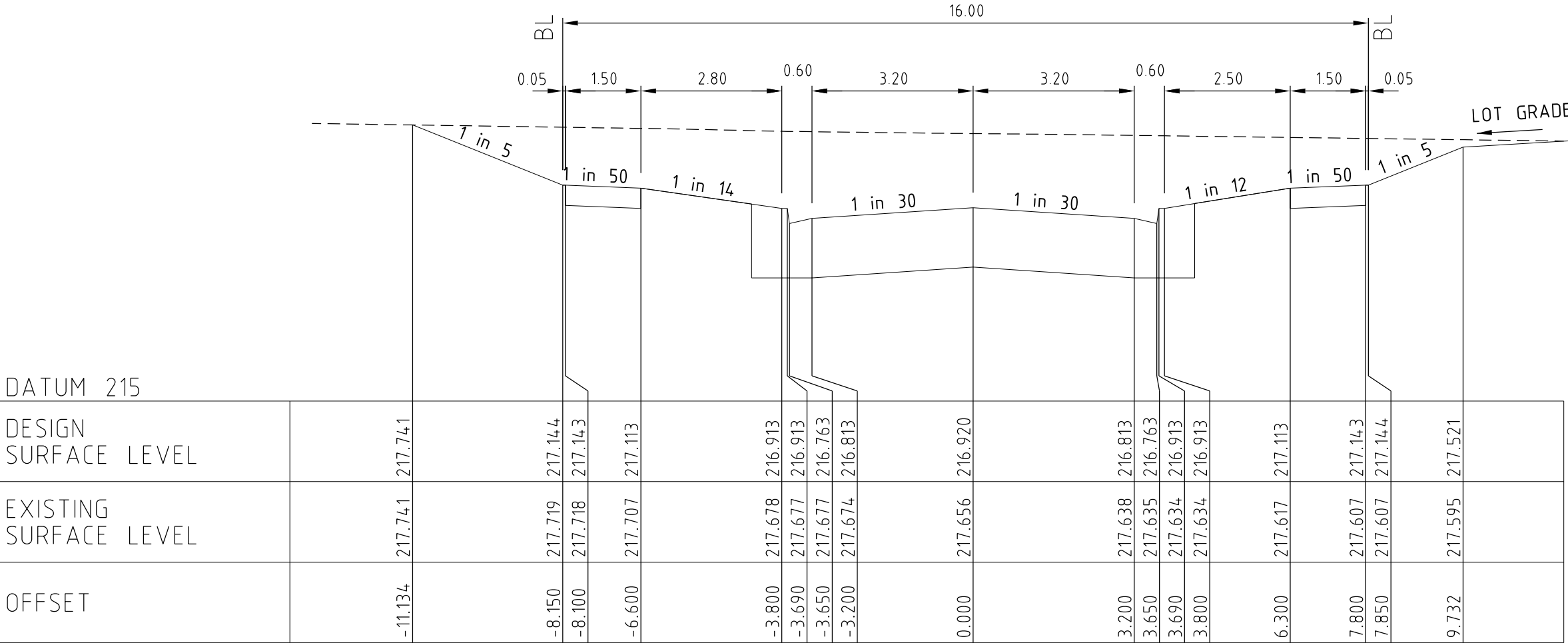
ZOOGIE ROAD

Ch 44.15



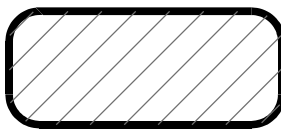
ZOOGIE ROAD

Ch 28.15



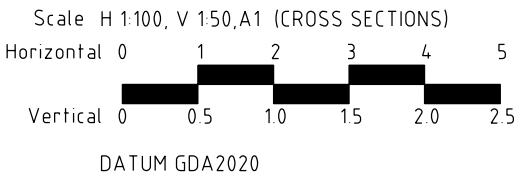
ZOOGIE ROAD

Ch 66.35



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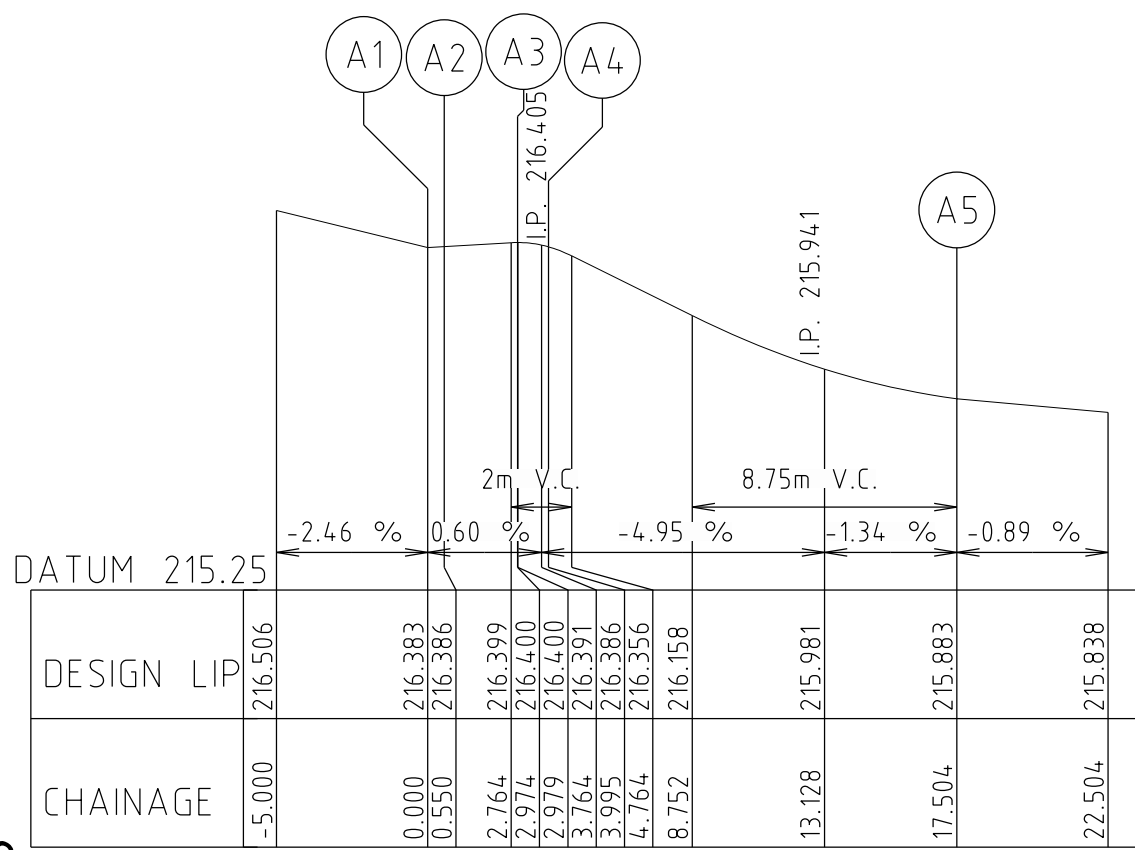
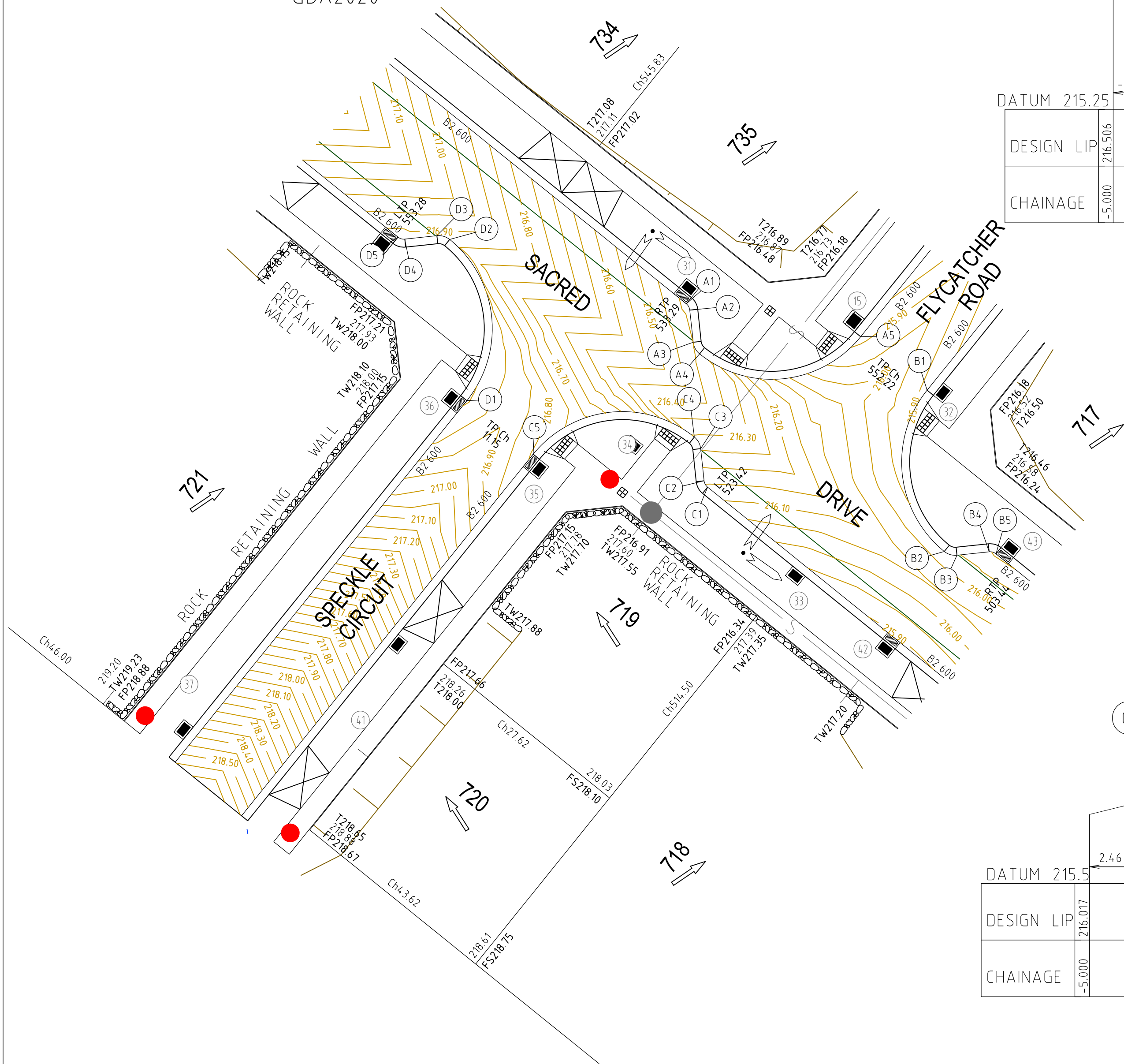
**REDSTONE ESTATE
STAGE 7
CROSS SECTIONS
ZOOGIE ROAD**
VILLAWOOD PROPERTIES
HUME CITY COUNCIL

AS CONSTRUCTED Drg No
305918R14

Rev
0



LEVEL LEGEND
TW215.00 TW = TOP WALL LEVEL
FS214.49 FS = FINISHED SURFACE TITLE BOUNDARY
214.94 EXISTING SURFACE LEVEL
FP214.22 FP = FOOTPATH LEVEL

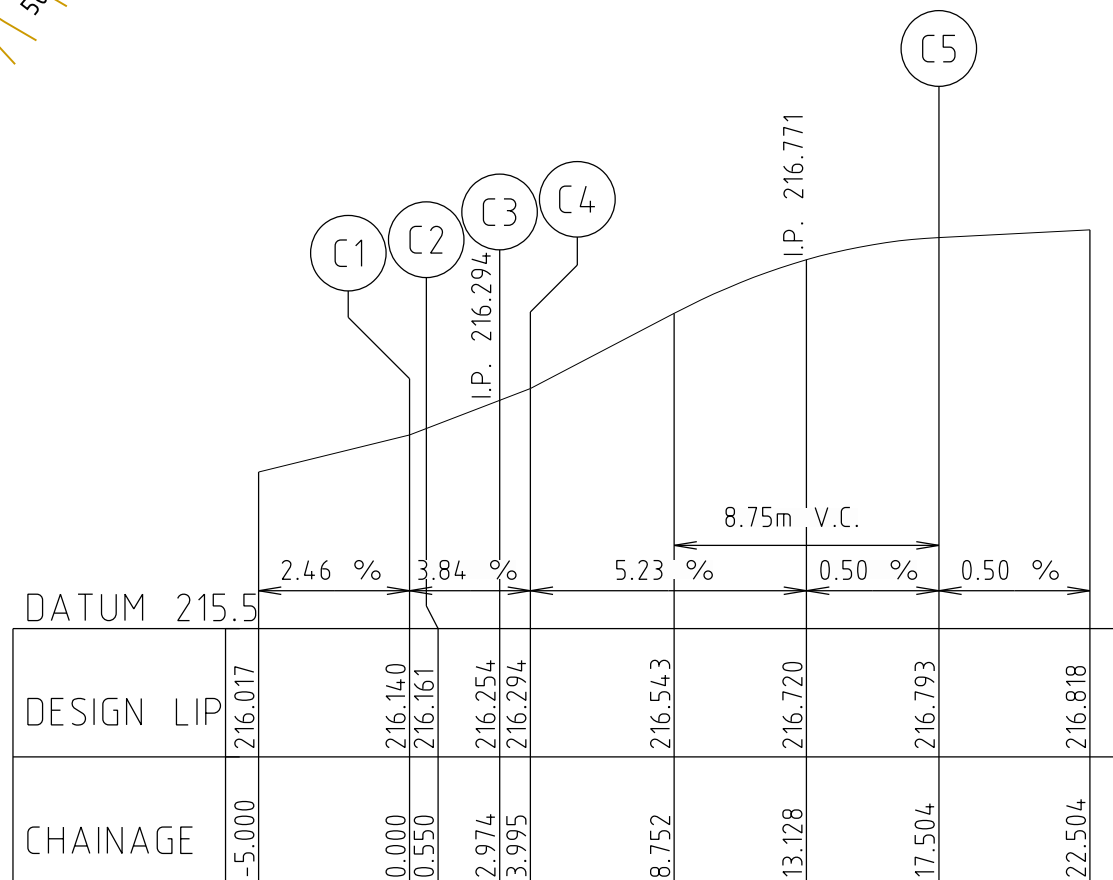


LIP LINE A
Hor250
Ver25

ALIGNMENT A

POINT NO	EASTING	NORTHING	RL
A1	302058.386	5836042.755	216.383
1/4	302058.484	5836042.658	216.384
1/2	302058.561	5836042.545	216.384
3/4	302058.615	5836042.419	216.385
A2	302058.643	5836042.284	216.386
A3	302058.900	5836039.874	216.400
1/4	302058.952	5836039.624	216.399
1/2	302059.051	5836039.389	216.396
3/4	302059.195	5836039.179	216.392
A4	302059.376	5836039.000	216.386
1/4	302062.349	5836037.442	216.226
1/2	302065.691	5836037.141	216.067
3/4	302068.894	5836038.141	215.952
A5	302071.470	5836040.291	215.883

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
A1-A2	0.700	0.550	0.536	0.053	0.013
A3-A4	1.300	1.021	0.995	0.099	-0.025
A4-A5	8.600	13.509	12.162	2.519	-0.655

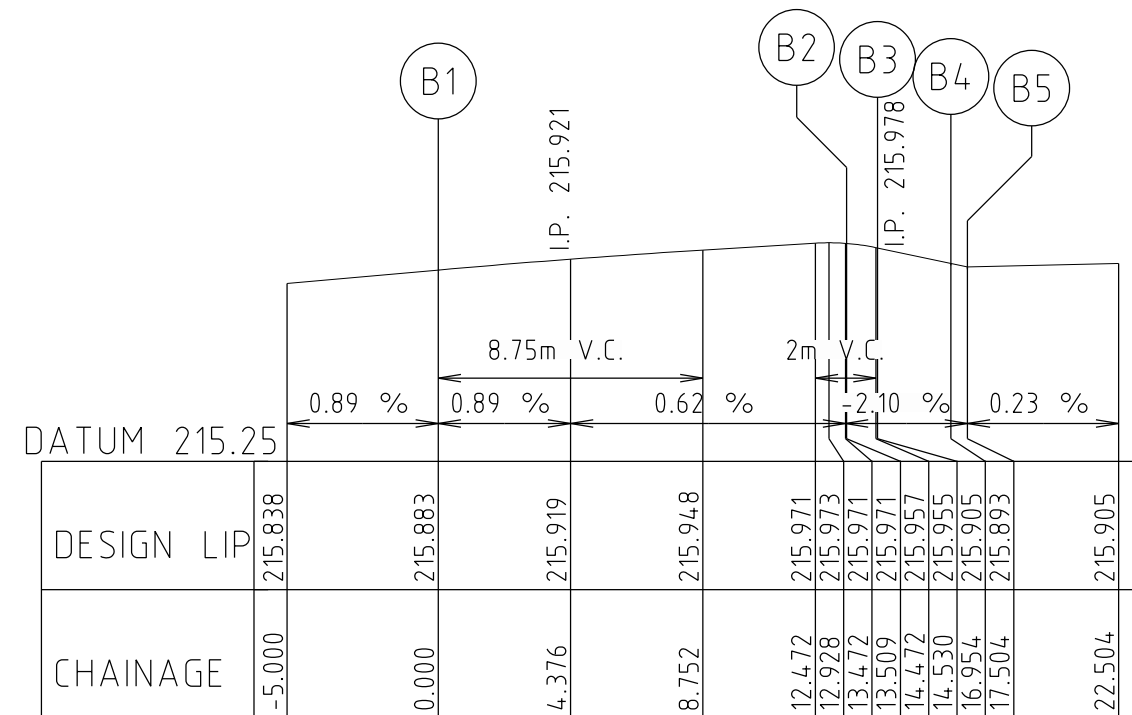


LIP LINE C
Hor250
Ver25

ALIGNMENT C

POINT NO	EASTING	NORTHING	RL
C1	302059.976	5836029.006	216.140
1/4	302059.879	5836029.103	216.145
1/2	302059.801	5836029.216	216.151
3/4	302059.748	5836029.342	216.156
C2	302059.720	5836029.477	216.161
C3	302059.463	5836031.887	216.254
1/4	302059.411	5836032.137	216.264
1/2	302059.311	5836032.372	216.274
3/4	302059.168	5836032.582	216.284
C4	302058.986	5836032.761	216.294
1/4	302056.014	5836034.319	216.470
1/2	302052.672	5836034.620	216.636
3/4	302049.469	5836033.620	216.746
C5	302046.893	5836031.470	216.793

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
C1-C2	0.700	0.550	0.536	0.053	0.013
C3-C4	1.300	1.021	0.995	0.099	-0.025
C4-C5	8.600	13.509	12.162	2.519	-0.655

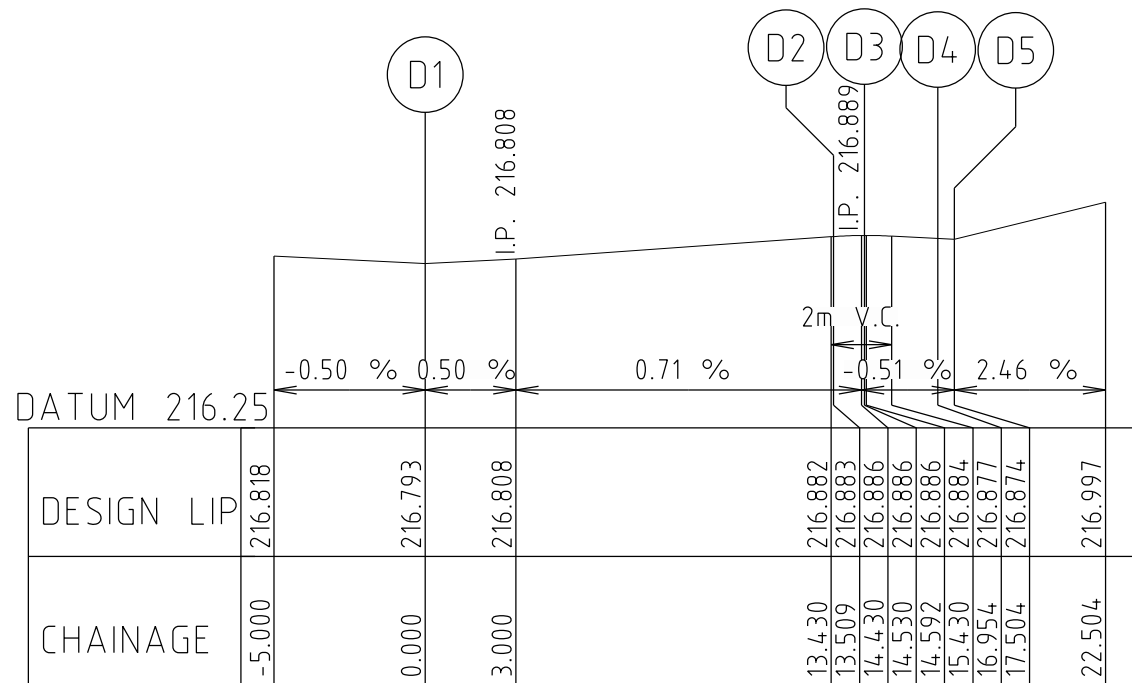


LIP LINE B
Hor250
Ver25

ALIGNMENT B

POINT NO	EASTING	NORTHING	RL
B1	302076.450	5836036.272	215.883
1/4	302074.893	5836033.300	215.911
1/2	302074.591	5836029.958	215.936
3/4	302075.592	5836026.755	215.957
B2	302077.742	5836024.178	215.971
1/4	302077.955	5836024.038	215.968
1/2	302078.191	5836023.943	215.965
3/4	302078.441	5836023.895	215.961
B3	302078.696	5836023.897	215.955
B4	302081.107	5836024.155	215.905
1/4	302081.244	5836024.156	215.902
1/2	302081.379	5836024.130	215.899
3/4	302081.506	5836024.079	215.896
B5	302081.620	5836024.003	215.893

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
B1-B2	8.600	13.509	12.162	2.519	-0.655
B2-B3	1.300	1.021	0.995	0.099	-0.025
B4-B5	0.700	0.550	0.536	0.053	0.013

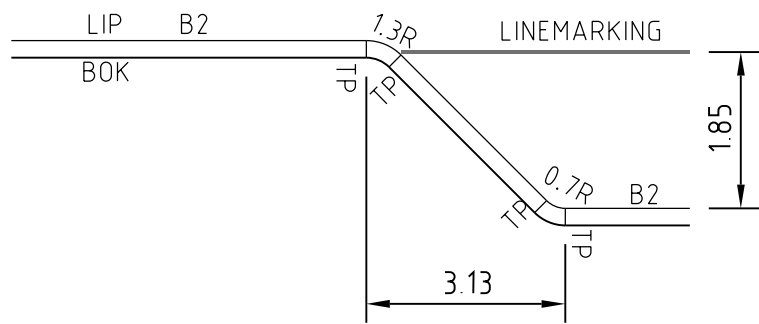


LIP LINE D
Hor250
Ver25

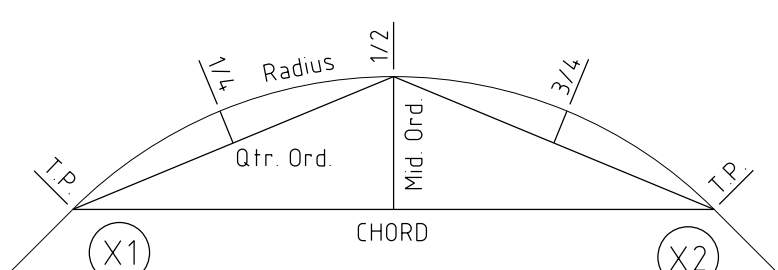
ALIGNMENT D

POINT NO	EASTING	NORTHING	RL
D1	302041.913	5836035.489	216.793
1/4	302043.470	5836038.461	216.811
1/2	302043.772	5836041.803	216.835
3/4	302042.771	5836045.006	216.859
D2	302040.621	5836047.583	216.883
1/4	302040.408	5836047.723	216.884
1/2	302040.172	5836047.818	216.885
3/4	302039.922	5836047.866	216.886
D3	302039.667	5836047.864	216.886
D4	302037.256	5836047.606	216.877
1/4	302037.119	5836047.605	216.876
1/2	302036.984	5836047.631	216.875
3/4	302036.857	5836047.682	216.874
D5	302036.742	5836047.758	216.874

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
D1-D2	8.600	13.509	12.162	2.519	-0.655
D2-D3	1.300	1.021	0.995	0.099	-0.025
D4-D5	0.700	0.550	0.536	0.053	0.013

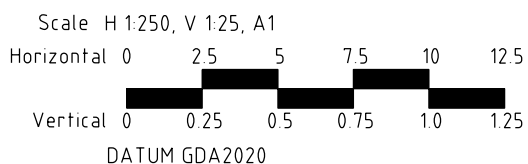


TYPICAL KERB INDENT DETAIL
N.T.S



KERB RETURN SETOUT DETAIL

Rev	Amendments	Approved	Date
1	FINISHED LEVELS AND SETOUT CO-ORDINATE TABLES UPDATED	M.T.S	1/06/22
0	CONSTRUCTION ISSUE	M.T.S	27/05/22



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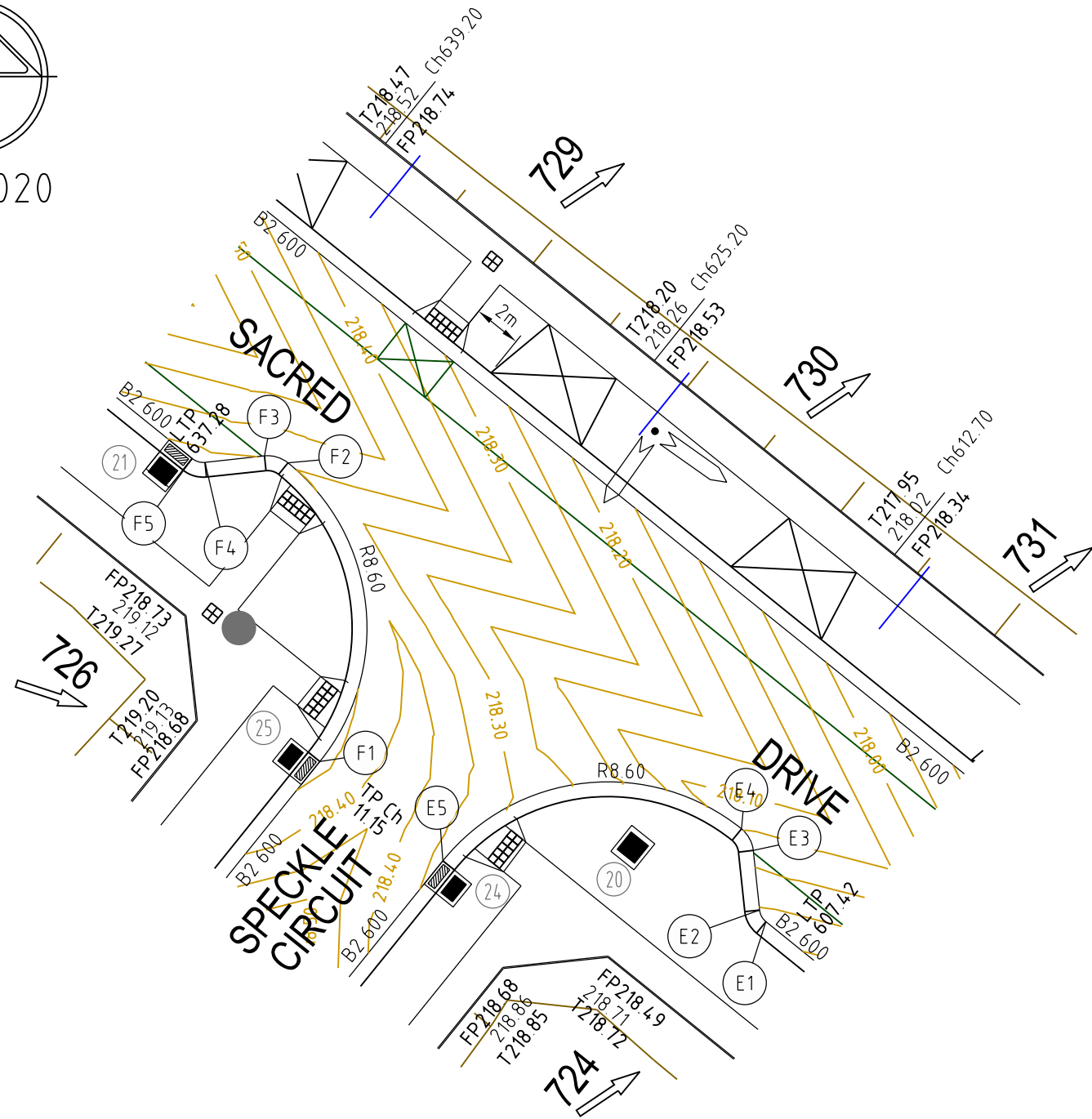
Checked
D. CAMERON
Date
05/07/21

REDSTONE ESTATE
STAGE 7
INTERSECTION DETAILS

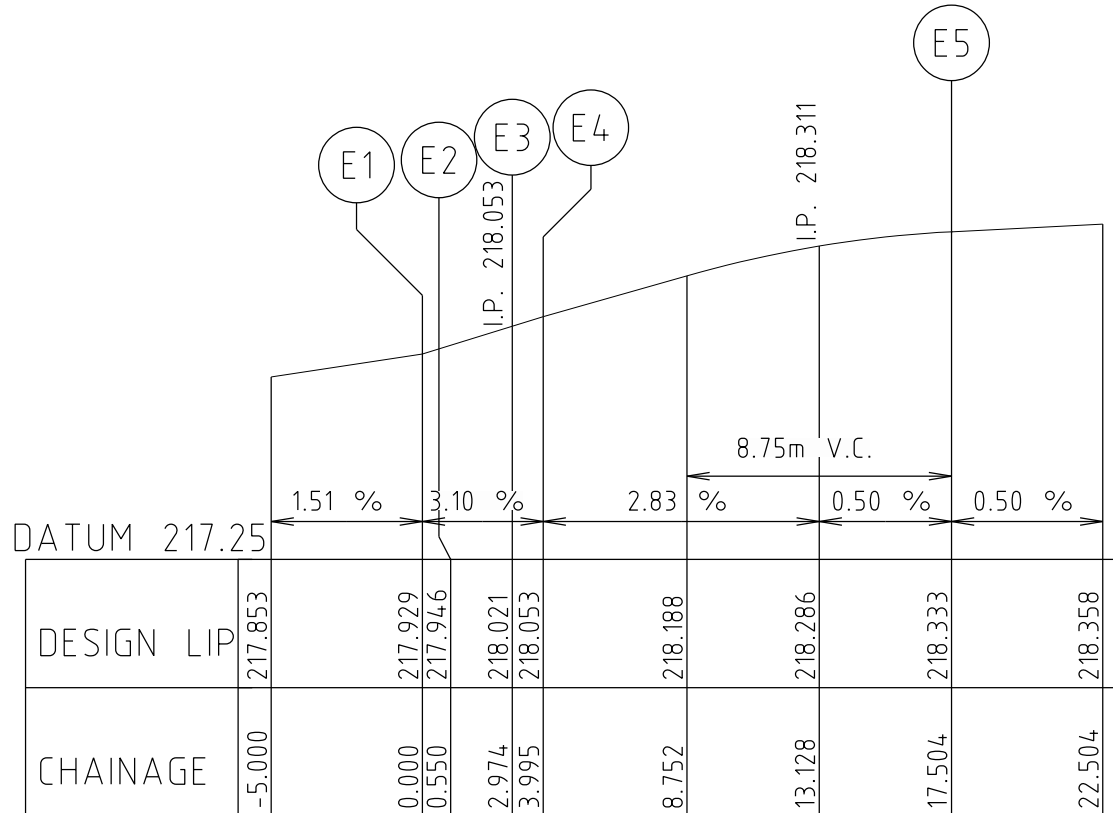
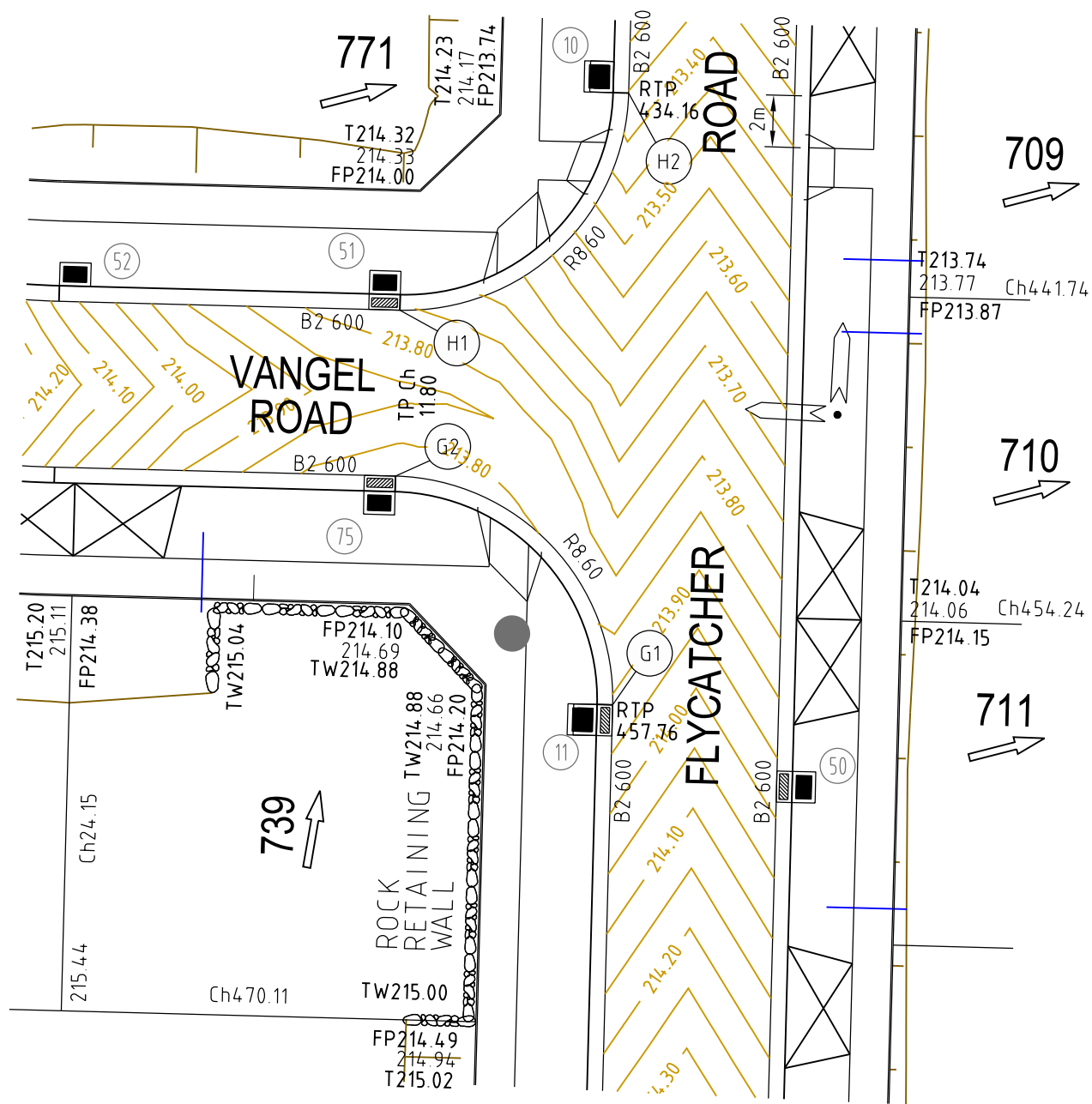
VILLAWOOD PROPERTIES
HUME CITY COUNCIL

AS CONSTRUCTED Drg No
305918R15

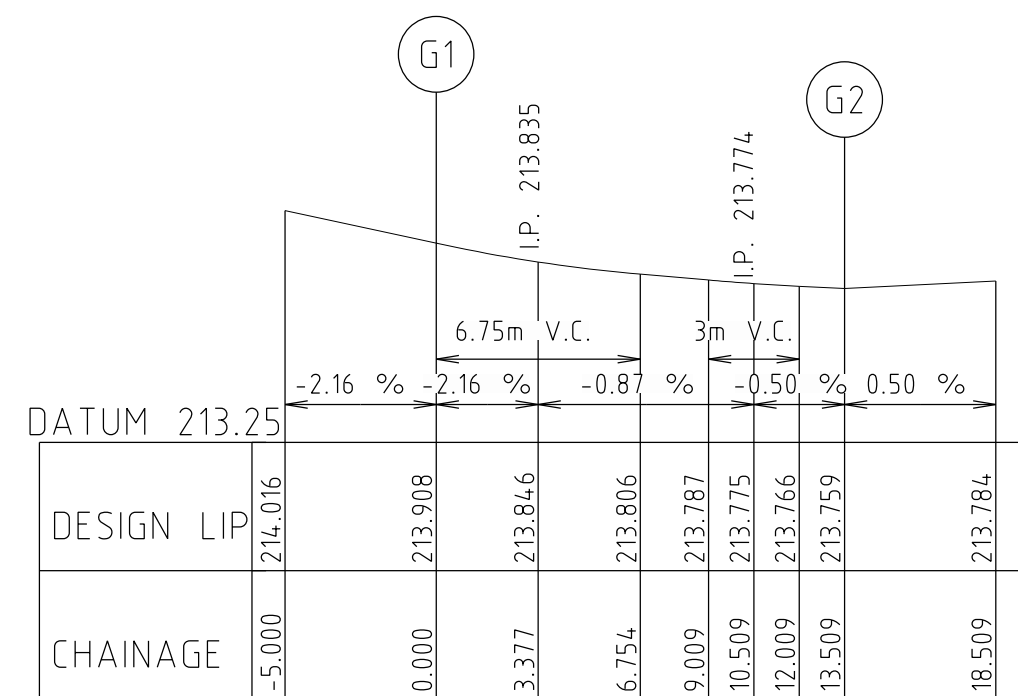
Rev
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LEVEL LEGEND
TW215.00 TW = TOP WALL LEVEL
FS214.49 FS = FINISHED SURFACE TITLE BOUNDARY
214.94 EX = EXISTING SURFACE LEVEL
FP214.22 FP = FOOTPATH LEVEL



LIP LINE E
Hor250
Ver25

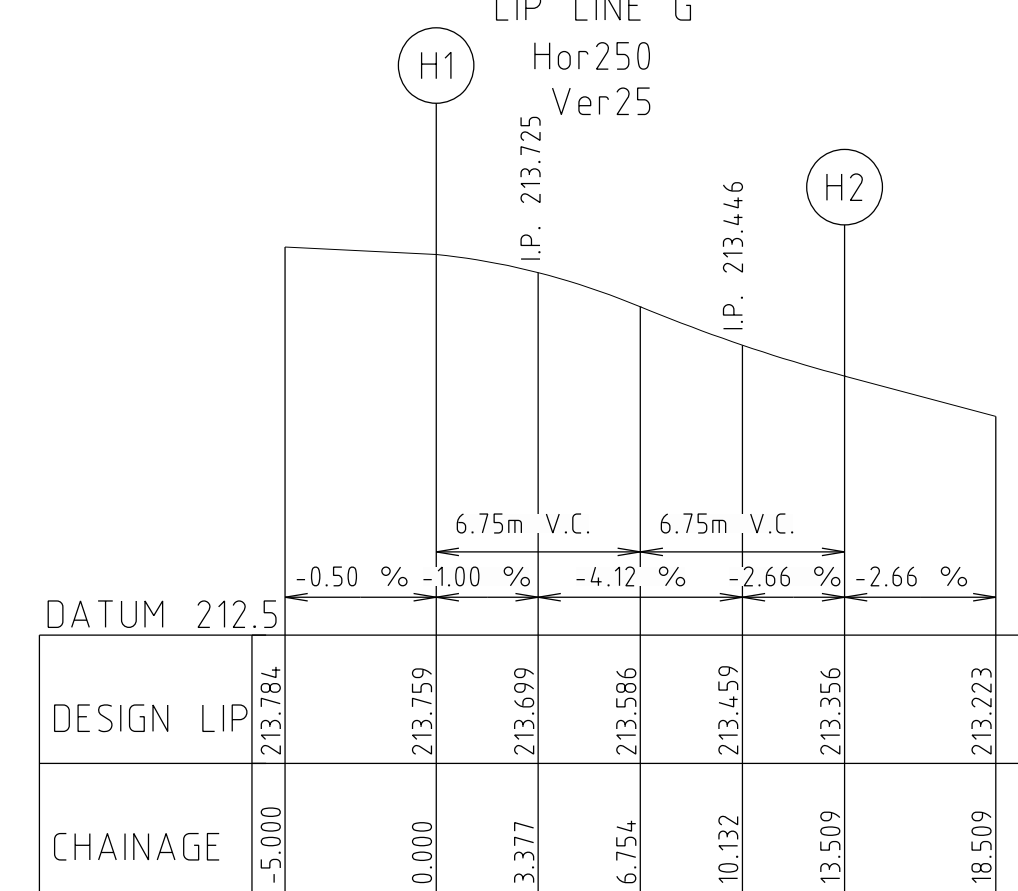


ALIGNMENT G

POINT NO	EASTING	NORTHING	RL
G1	302087.764	5836128.174	213.908
1/4	302087.196	5836131.481	213.846
1/2	302085.405	5836134.319	213.806
3/4	302082.665	5836136.255	213.778
G2	302079.392	5836136.996	213.759

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
G1-G2	8.600	13.509	12.162	2.519	-0.655

LIP LINE G
Hor250
Ver25

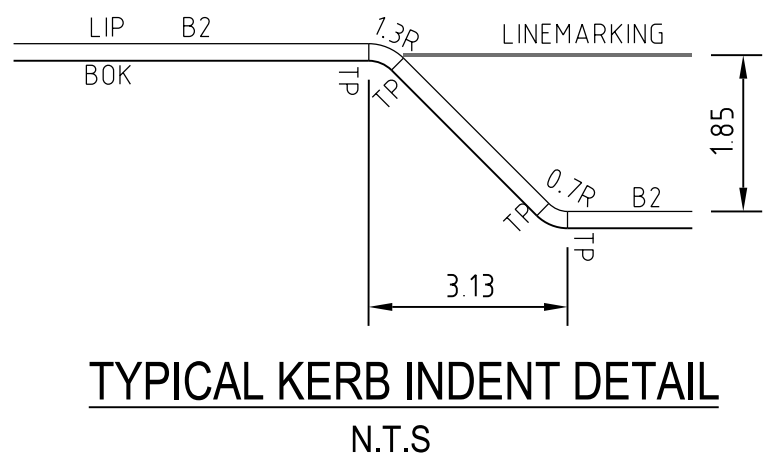


ALIGNMENT H

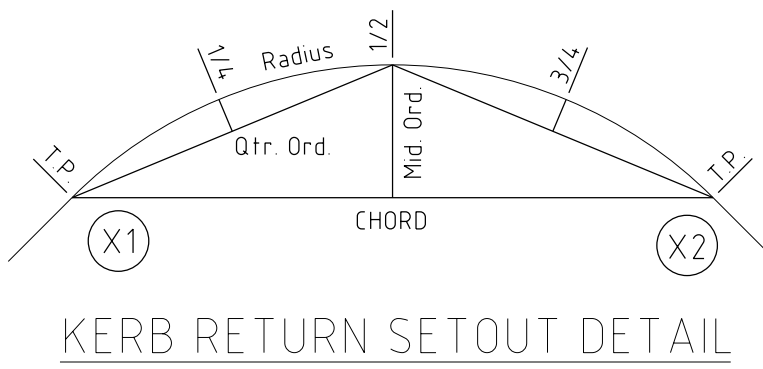
POINT NO	EASTING	NORTHING	RL
H1	302079.559	5836143.394	213.759
1/4	302082.867	5836143.962	213.699
1/2	302085.704	5836145.753	213.586
3/4	302087.641	5836148.493	213.459
H2	302088.382	5836151.766	213.356

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
H1-H2	8.600	13.509	12.162	2.519	-0.655

LIP LINE H
Hor250
Ver25

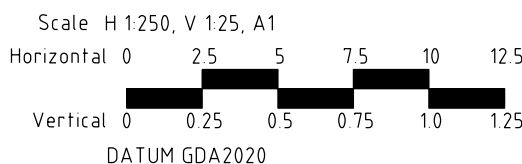


TYPICAL KERB INDENT DETAIL
N.T.S



KERB RETURN SETOUT DETAIL

Rev	Amendments	Approved	Date
1	FINISHED LEVELS UPDATED	M.T.S	1/06/22
0	CONSTRUCTION ISSUE	M.T.S	27/05/22



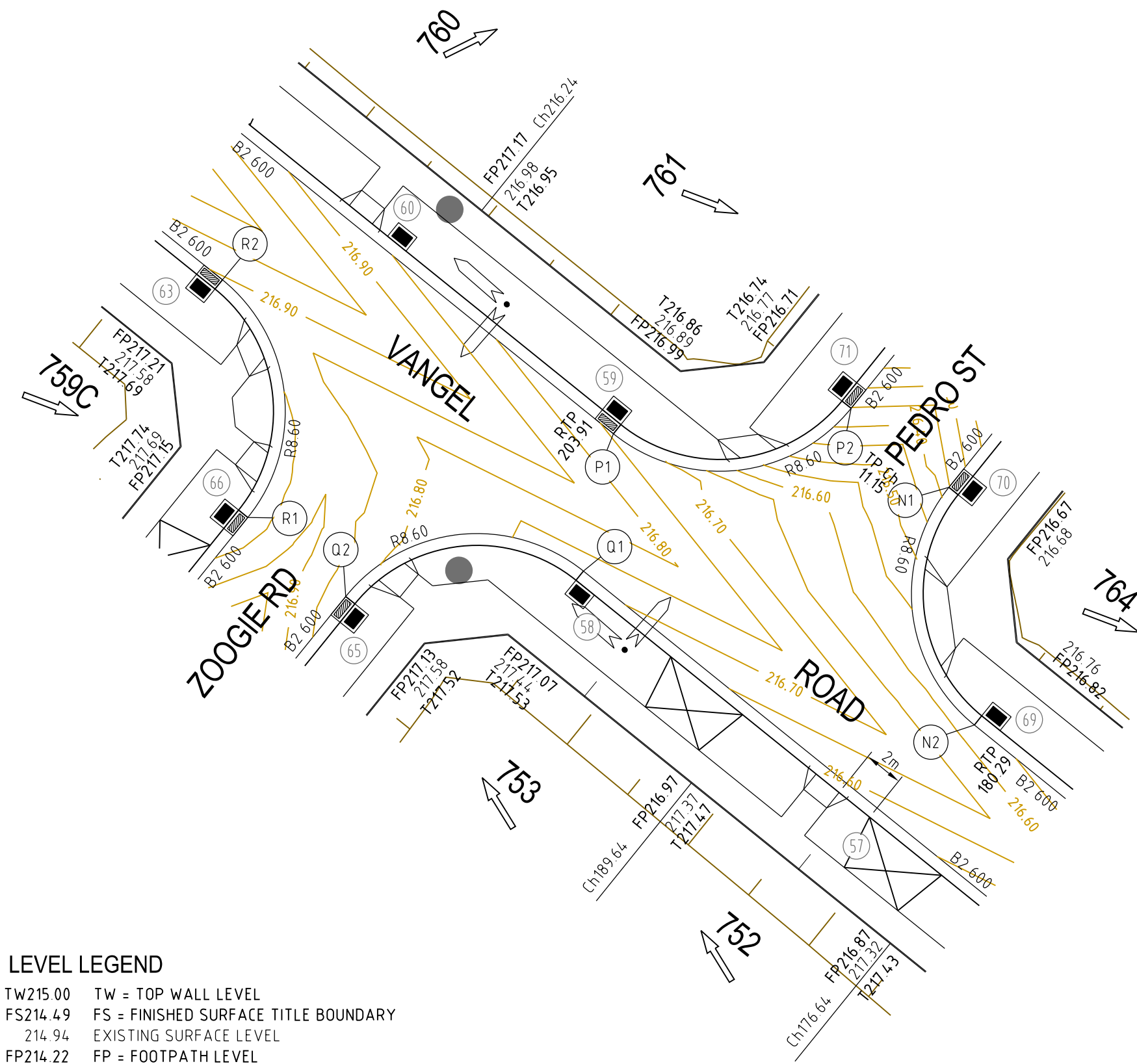
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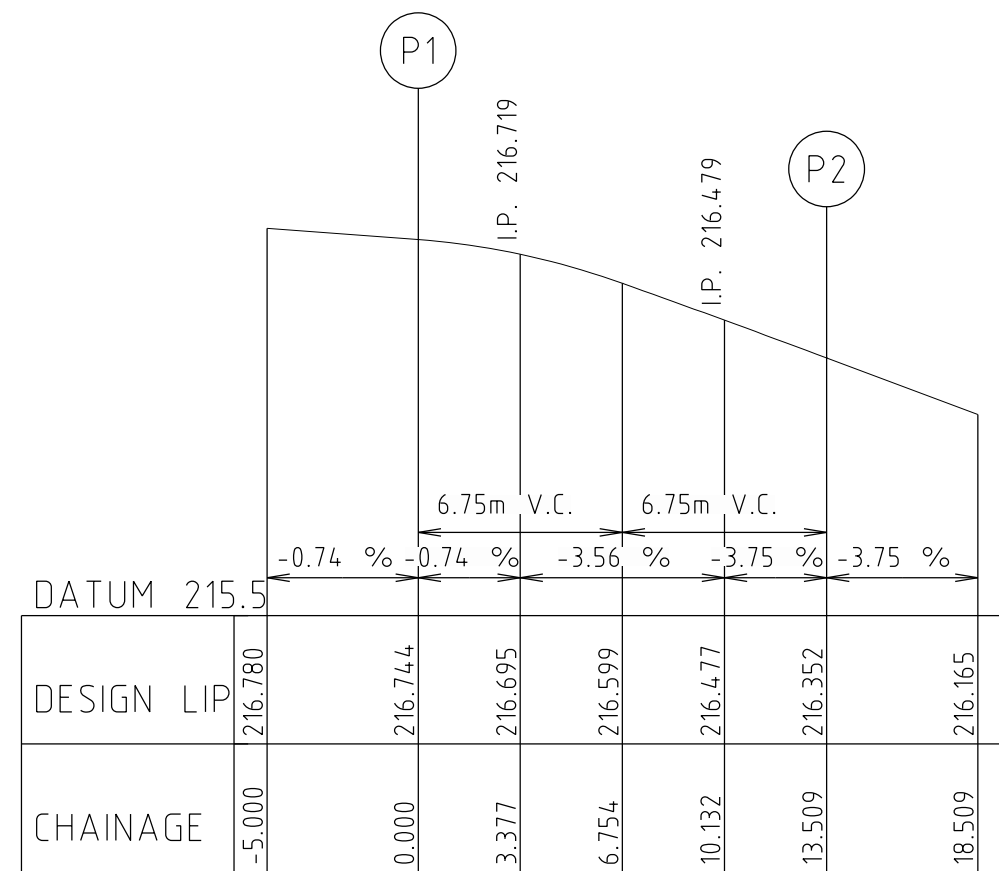
villawood properties
Communities Designed for Living
Designed
R. WEINBER
Authorised
M. TOOMER-SMITH

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D. CAMERON
Date
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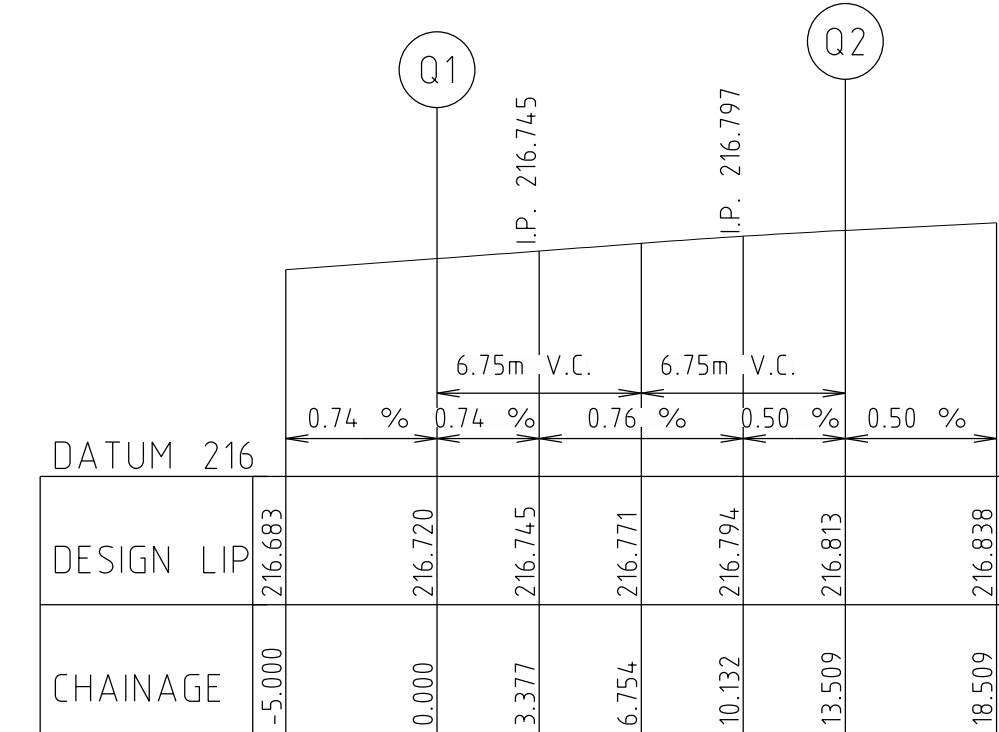
REDSTONE ESTATE
STAGE 7
INTERSECTION DETAILS
VILLAWOOD PROPERTIES
HUME CITY COUNCIL
AS CONSTRUCTED
Drg No 305918R16
Rev 1



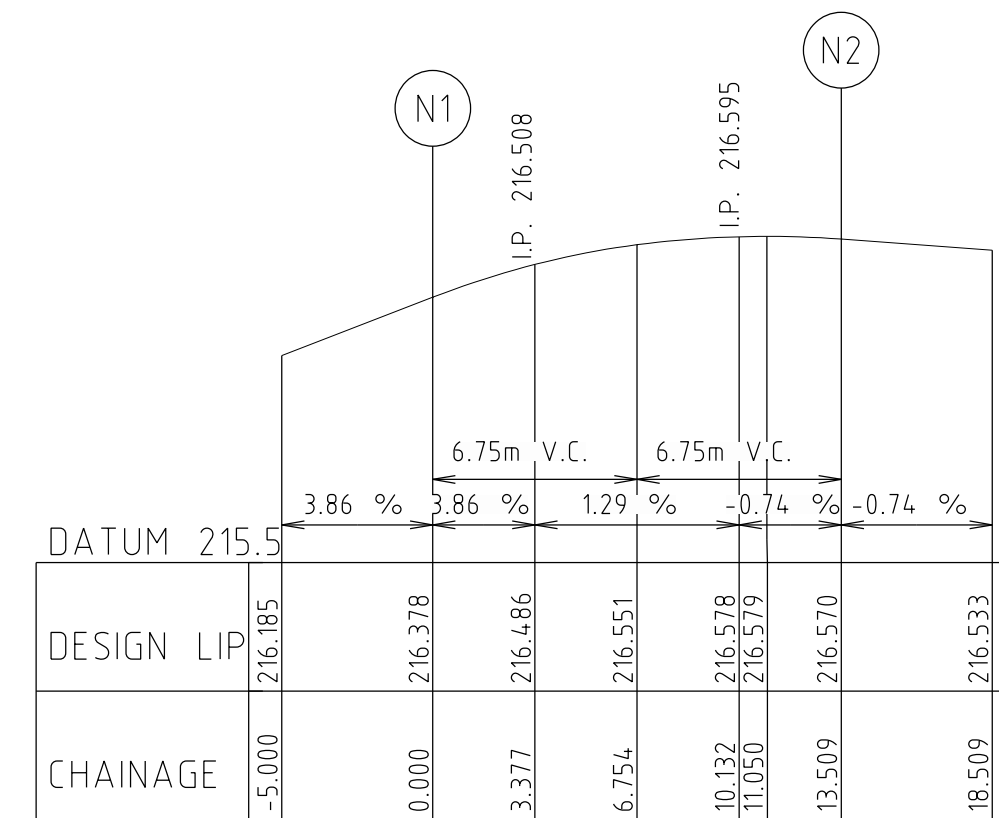
LEVEL LEGEND
TW215.00 TW = TOP WALL LEVEL
FS214.49 FS = FINISHED SURFACE TITLE BOUNDARY
214.94 EXISTING SURFACE LEVEL
FP214.22 FP = FOOTPATH LEVEL



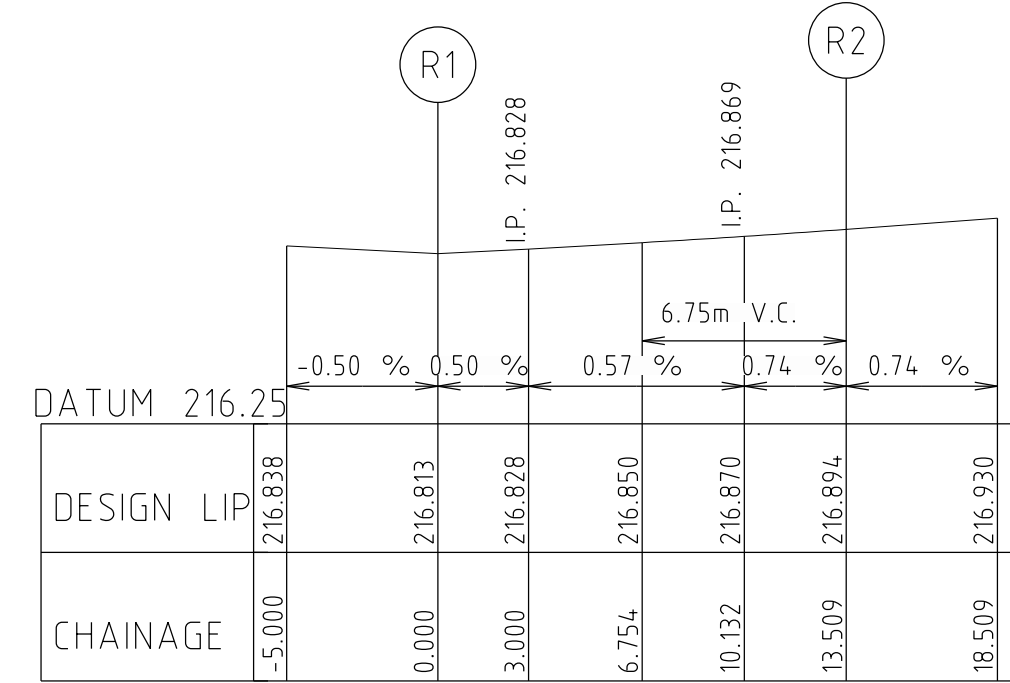
LIP LINE P
Hor250
Ver25



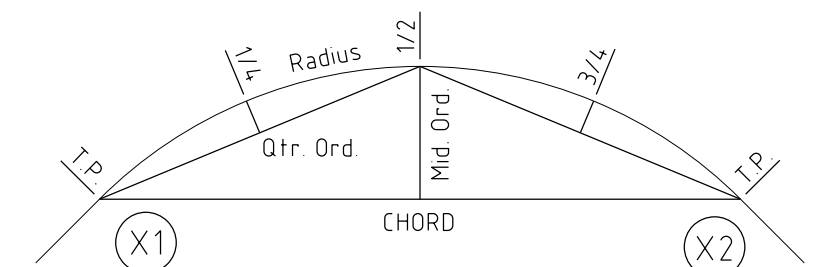
LIP LINE Q
Hor250
Ver25



LIP LINE N
Hor250
Ver25

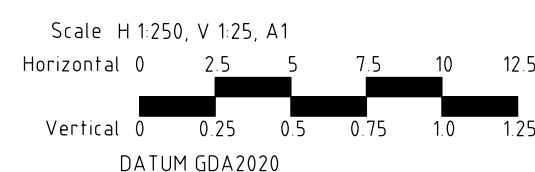


LIP LINE R
Hor250
Ver25



KERB RETURN SETOUT DETAIL

1	FINISHED LEVELS UPDATED	M.T.S	1/06/22
0	CONSTRUCTION ISSUE	M.T.S	27/05/22
Rev	Amendments	Approved	Date



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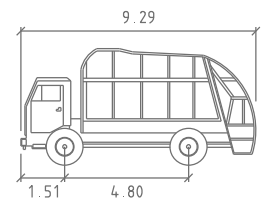
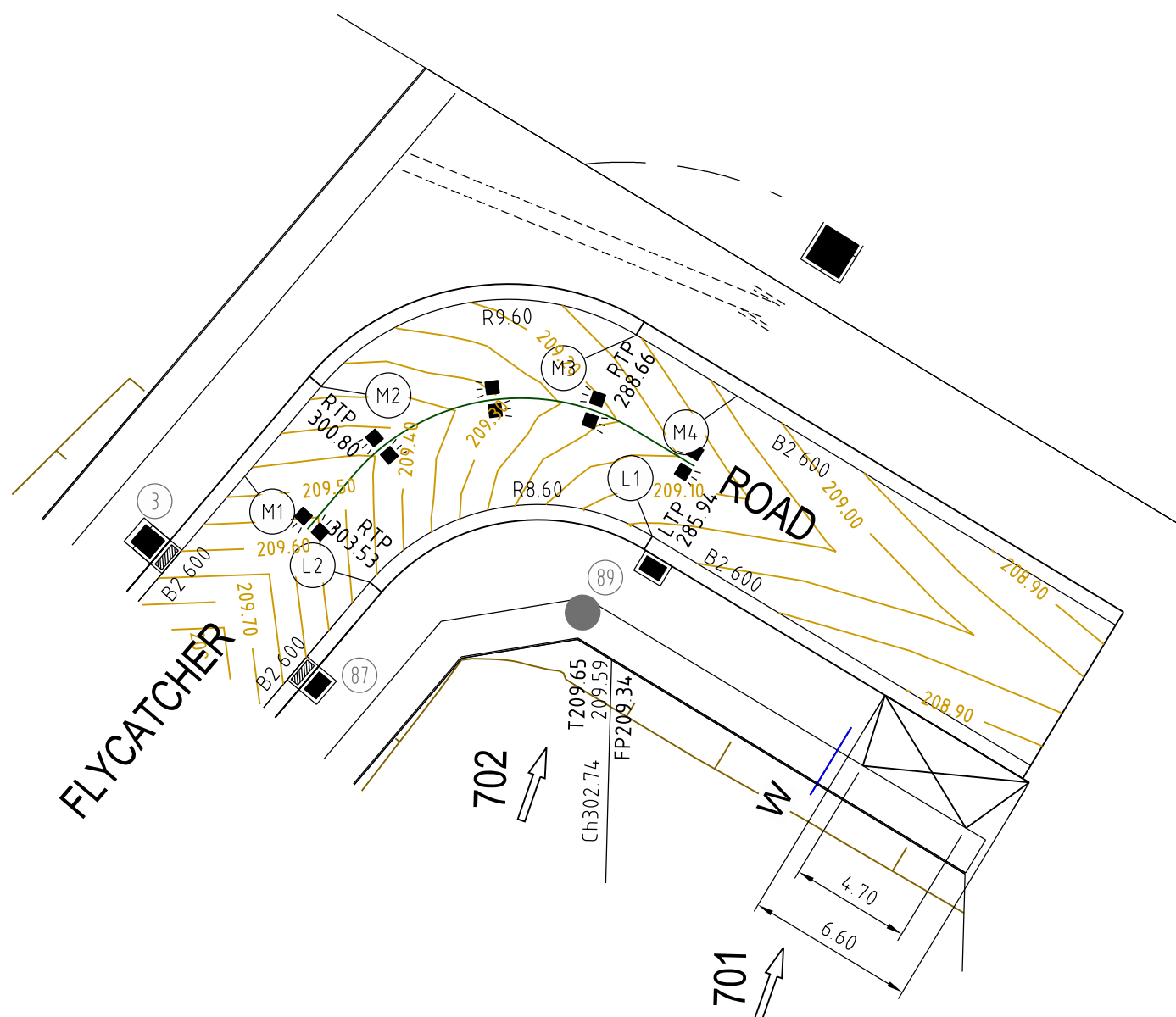
Checked
D. CAMERON
Date
05/07/21

REDSTONE ESTATE STAGE 7 INTERSECTION DETAILS

VILLAWOOD PROPERTIES
HUME CITY COUNCIL

AS CONSTRUCTED Drg No
305918R17

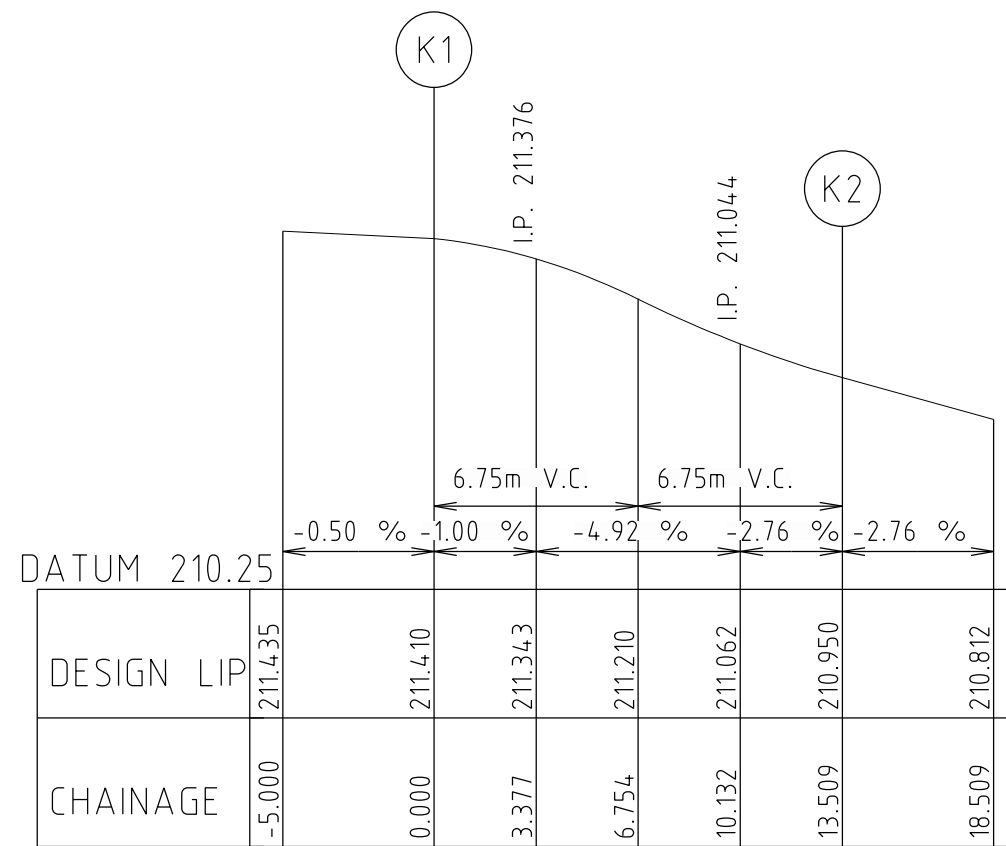
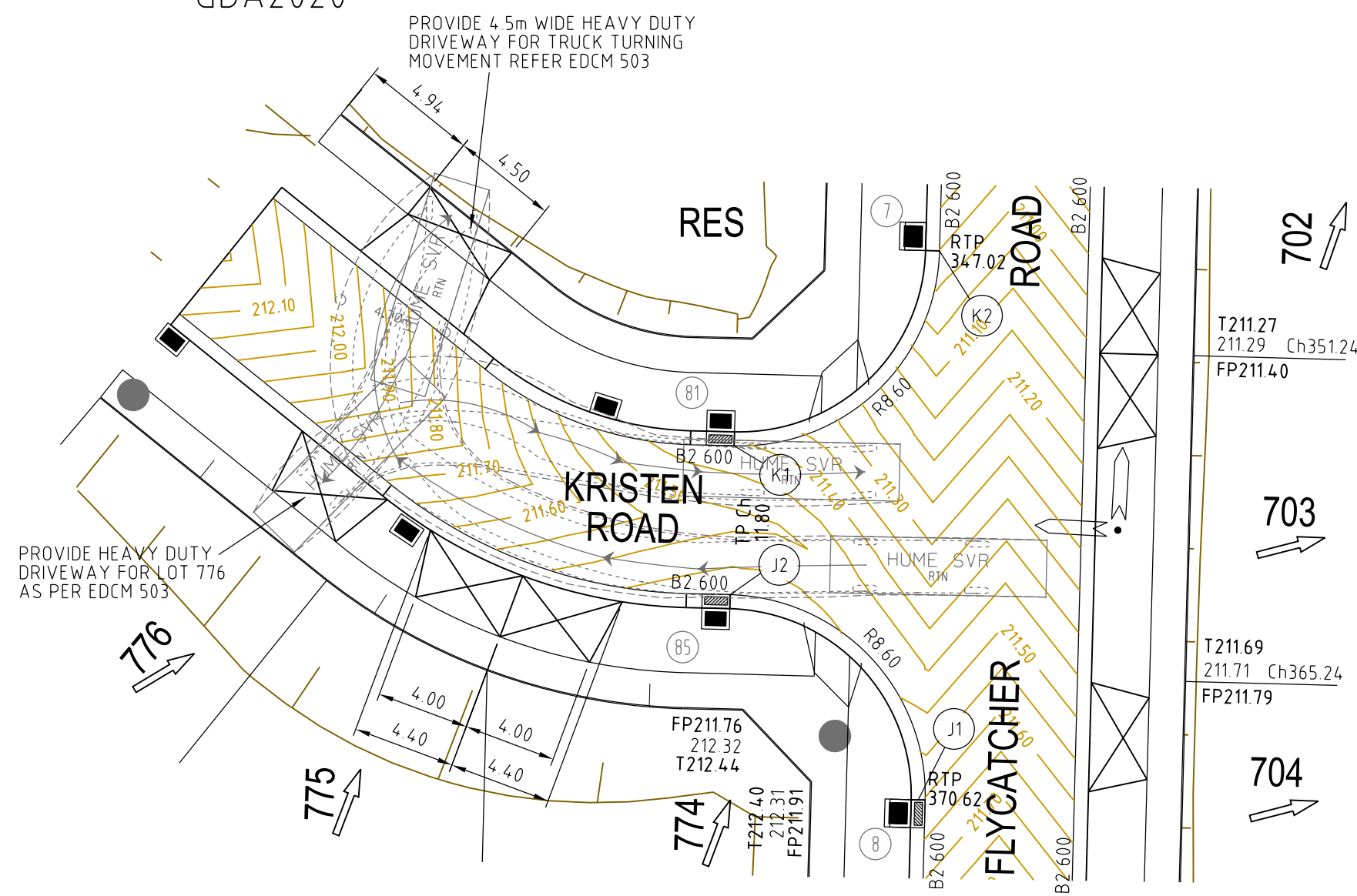
Rev
1



HUME SVR
Width 1.51 meters
Track 4.80
Lock to Lock Time 2.25
Steering Angle 36.00

LEVEL LEGEND

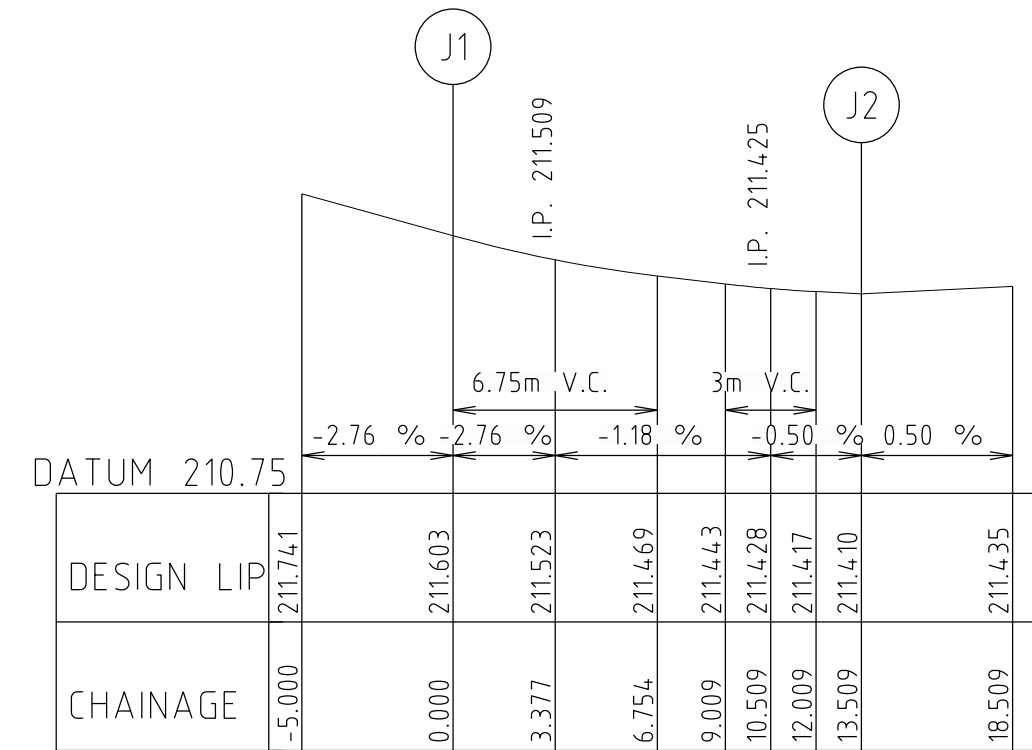
TW215 00 TW = TOP WALL LEVEL
FS214 49 FS = FINISHED SURFACE TITLE BOUNDARY
214 94 EXISTING SURFACE LEVEL
FP214 22 FP = FOOTPATH LEVEL



ALIGNMENT K

POINT NO	EASTING	NORTHING	RL
K1	302081.840	5836230.497	211.410
1/4	302085.147	5836231.065	211.343
1/2	302087.985	5836232.856	211.210
3/4	302089.922	5836235.596	211.062
K2	302090.663	5836238.869	210.950

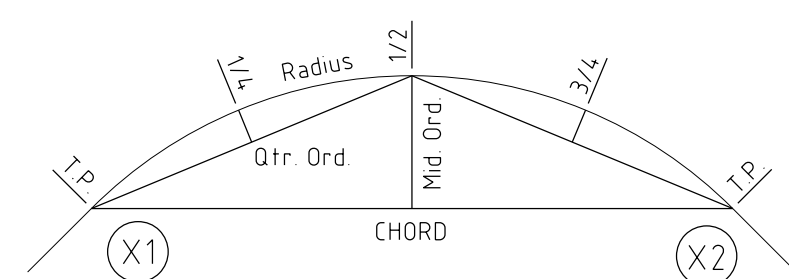
CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
K1-K2	8.600	13.509	12.162	2.519	-0.655



ALIGNMENT J

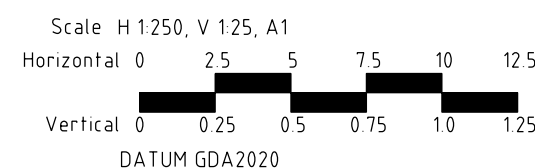
POINT NO	EASTING	NORTHING	RL
J1	302090.045	5836215.277	211.603
1/4	302089.476	5836218.584	211.523
1/2	302087.686	5836221.422	211.469
3/4	302084.946	5836223.359	211.431
J2	302081.673	5836224.099	211.410

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
J1-J2	8.600	13.509	12.162	2.519	-0.655



KERB RETURN SETOUT DETAIL

Rev	Amendments	Approved	Date
1	FINISHED LEVELS UPDATED	M.T.S	1/06/22
0	CONSTRUCTION ISSUE	M.T.S	27/05/22



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05/07/21

REDSTONE ESTATE STAGE 7 INTERSECTION DETAILS

VILLAWOOD PROPERTIES
HUME CITY COUNCIL

AS CONSTRUCTED Drg No 305918R18

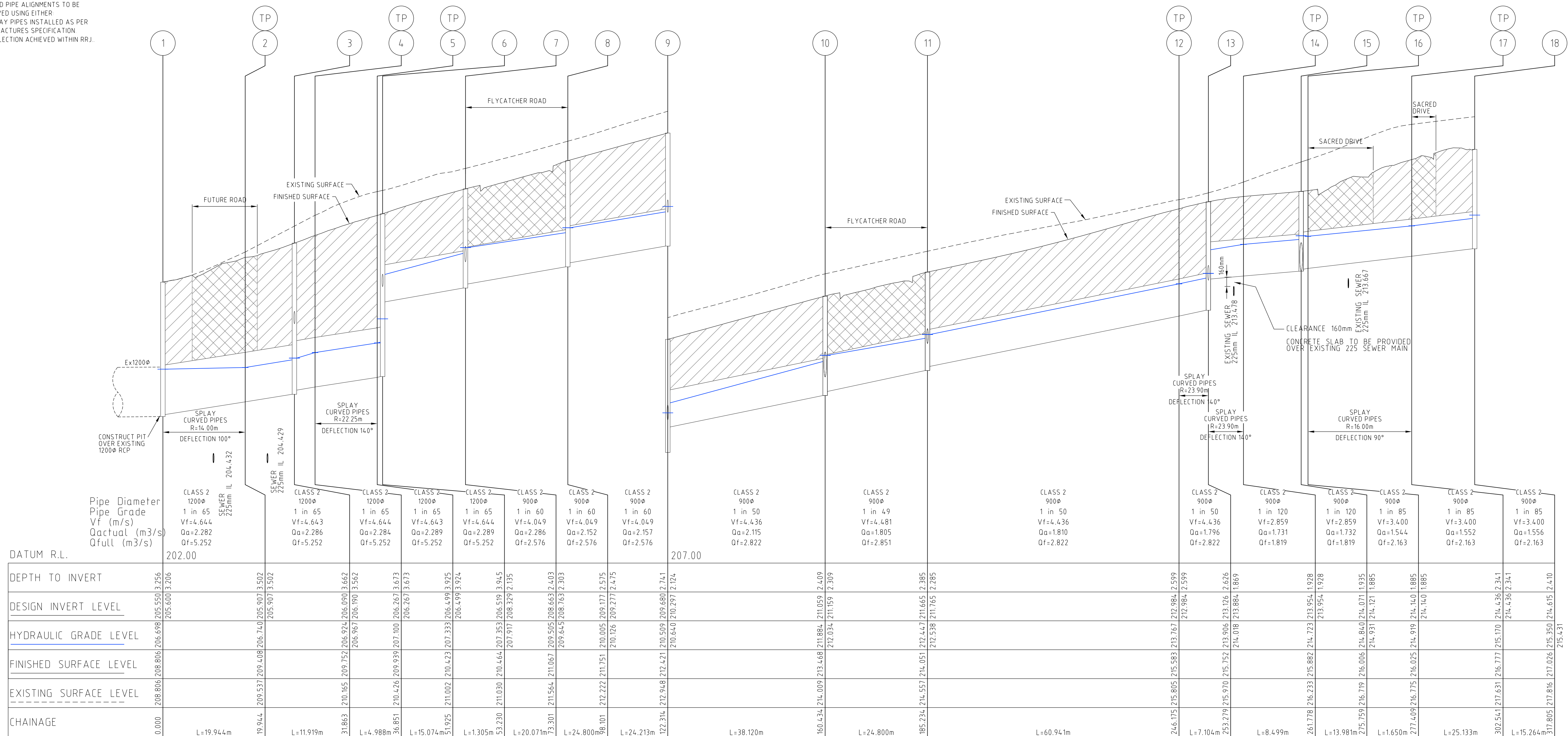
Rev
1



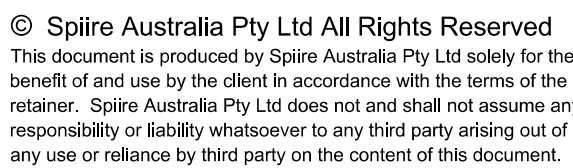
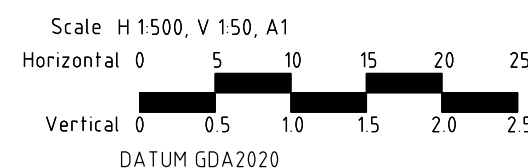
CLASS 3 CRUSHED ROCK

NOTE:

1. ALL PIPES TO BE RUBBER RING JOINTED (RRJ) UNLESS NOTED OTHERWISE.
2. DRAINAGE PIPES GREATER THAN 750 ϕ ARE TO BE FLUSH JOINTED (FJ) WITH EXTERNAL SEALING BANDS.
3. CURVED PIPE ALIGNMENTS TO BE ACHIEVED USING EITHER:
 - a) SPLAY PIPES INSTALLED AS PER MANUFACTURES SPECIFICATION
 - b) DEFLECTION ACHIEVED WITHIN RRJ.



0	CONSTRUCTION ISSUE	M.T.S	27/05/22
Rev	Amendments	Approved	Date



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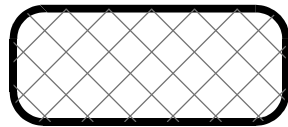
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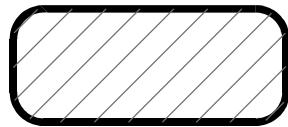
**REDSTONE ESTATE
STAGE 7
DRAINAGE LONG SECTION
SHEET 1 OF 7
VILLAWOOD PROPERTIES
HUME CITY COUNCIL**

AS CONSTRUCTED Drg No 305918R19

0



CLASS 2 CRUSHED ROCK



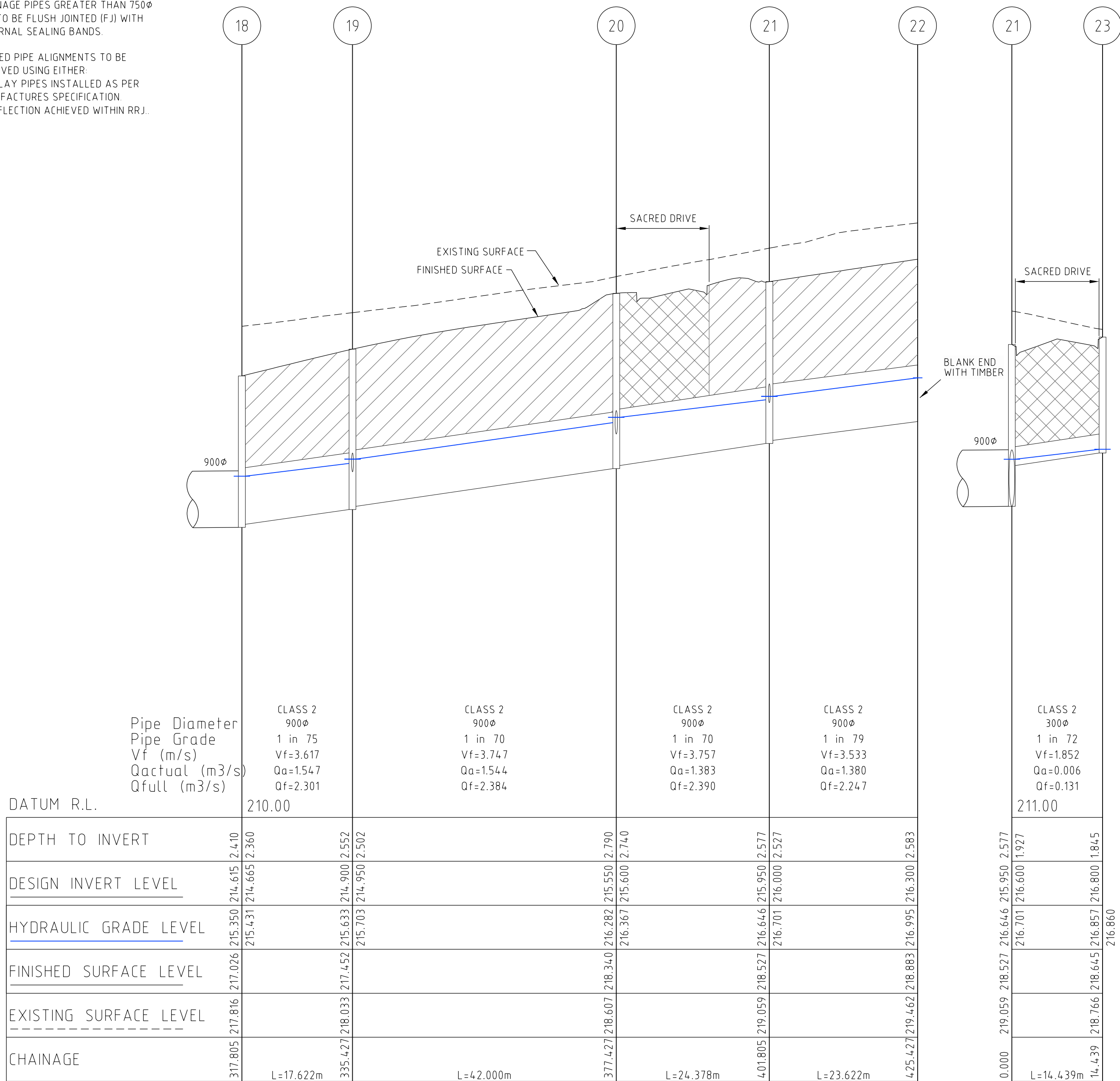
CLASS 3 CRUSHED ROCK

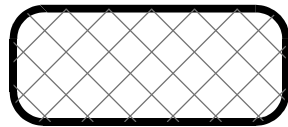
NOTE:

1 ALL PIPES TO BE RUBBER RING JOINTED (RRJ) UNLESS NOTED OTHERWISE.

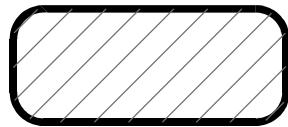
2 DRAINAGE PIPES GREATER THAN 750Ø ARE TO BE FLUSH JOINTED (FJ) WITH EXTERNAL SEALING BANDS.

3 CURVED PIPE ALIGNMENTS TO BE ACHIEVED USING EITHER:
a) SPLAY PIPES INSTALLED AS PER MANUFACTURES SPECIFICATION
b) DEFLECTION ACHIEVED WITHIN RRJ.





CLASS 2 CRUSHED ROCK



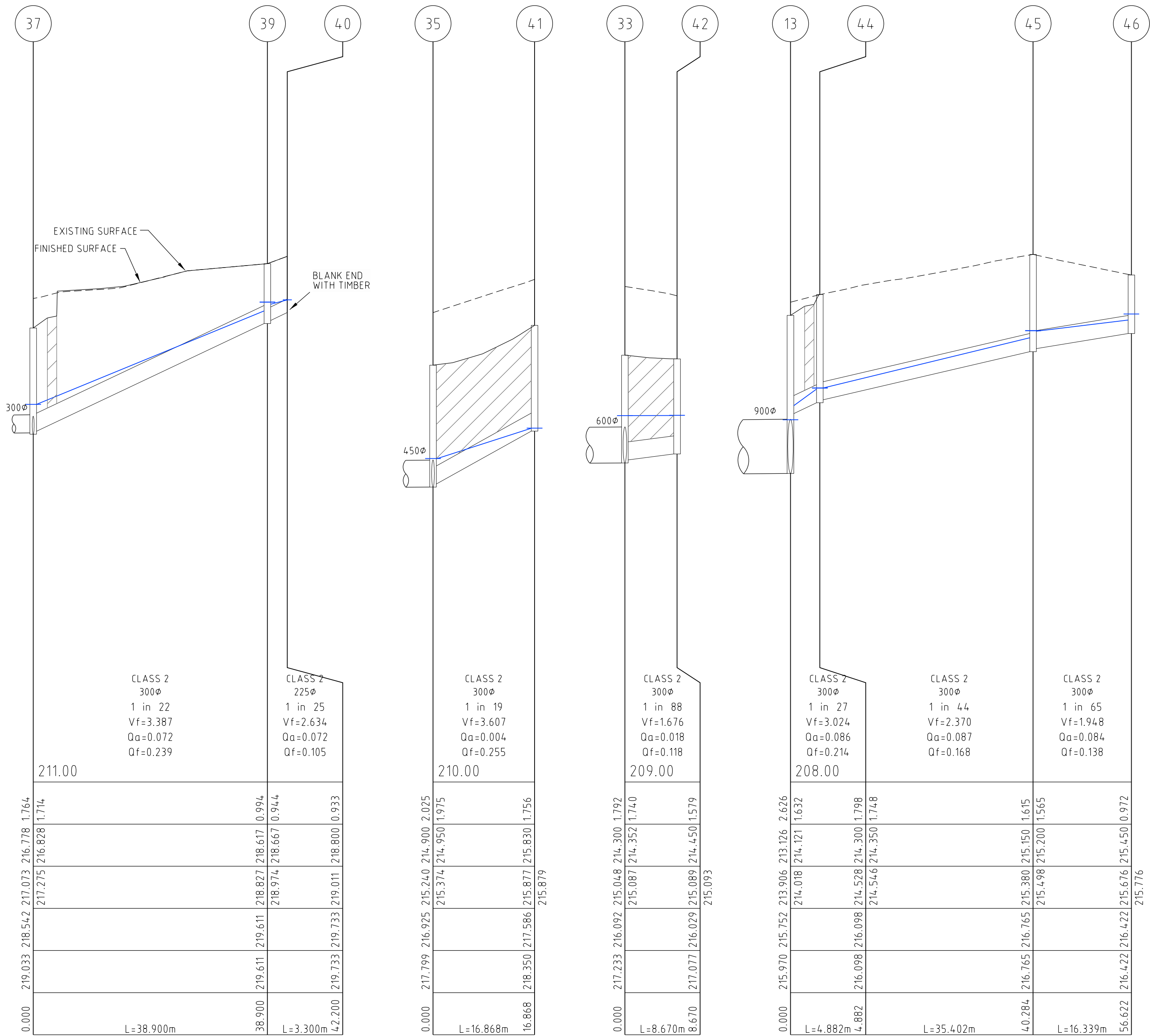
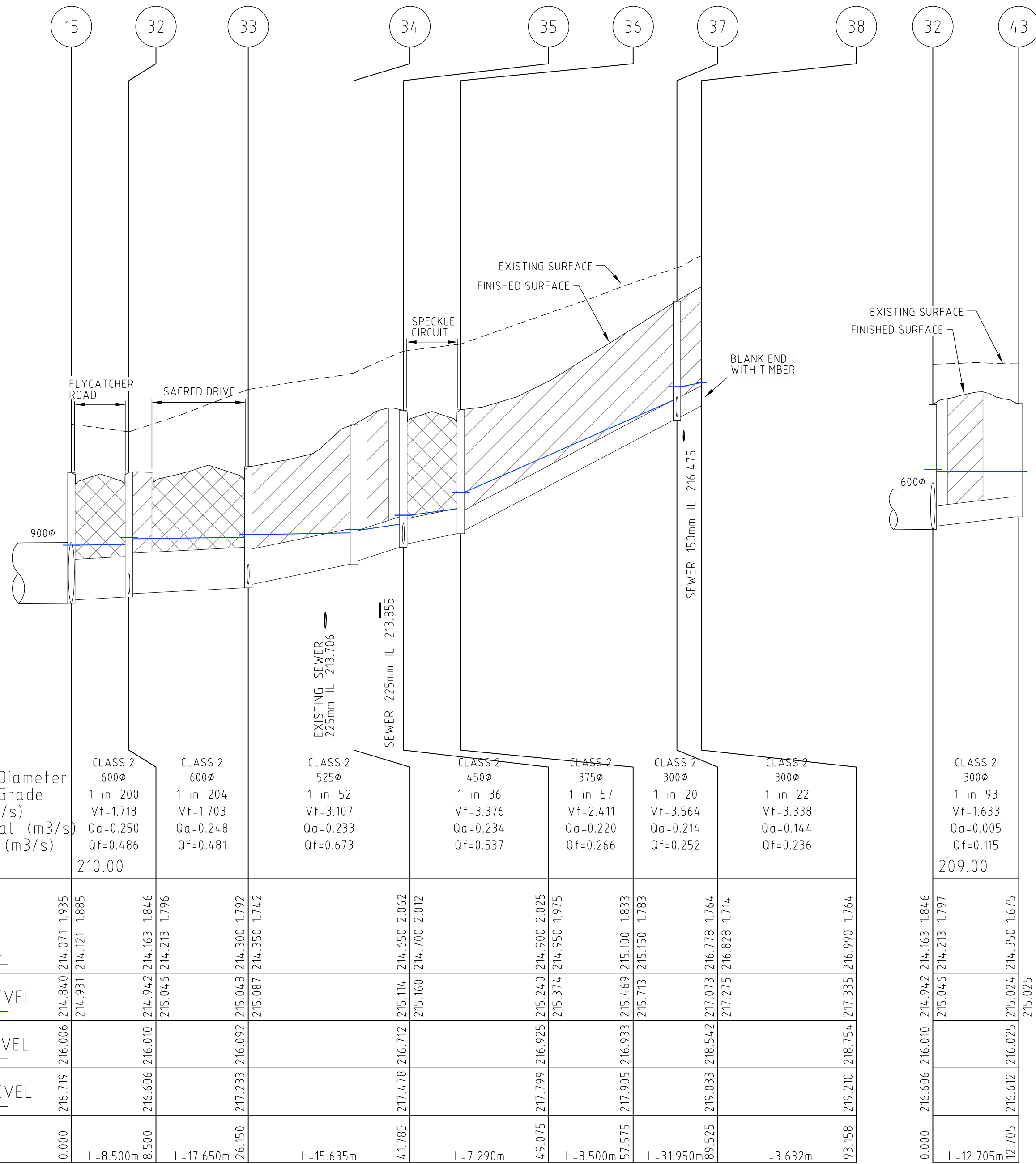
CLASS 3 CRUSHED ROCK

NOTE:

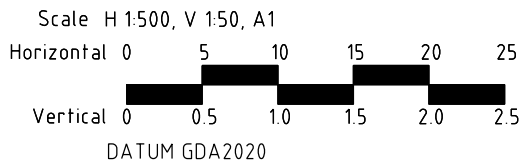
1 ALL PIPES TO BE RUBBER RING JOINTED (RRJ) UNLESS NOTED OTHERWISE.

2 DRAINAGE PIPES GREATER THAN 750Ø ARE TO BE FLUSH JOINTED (FJ) WITH EXTERNAL SEALING BANDS.

3 CURVED PIPE ALIGNMENTS TO BE ACHIEVED USING EITHER:
a) SPLAY PIPES INSTALLED AS PER MANUFACTURES SPECIFICATION
b) DEFLECTION ACHIEVED WITHIN RRJ.



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Rev	Amendments	Approved	Date	



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Communities Designed for Living

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R. WEINBER

Authorised
M. TOOMER-SMITH

Checked
D. CAMERON

Date
05/07/21

Redstone.

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REDSTONE ESTATE

STAGE 7

DRAINAGE LONG SECTION

SHEET 3 OF 7

VILLAWOOD PROPERTIES

HUME CITY COUNCIL

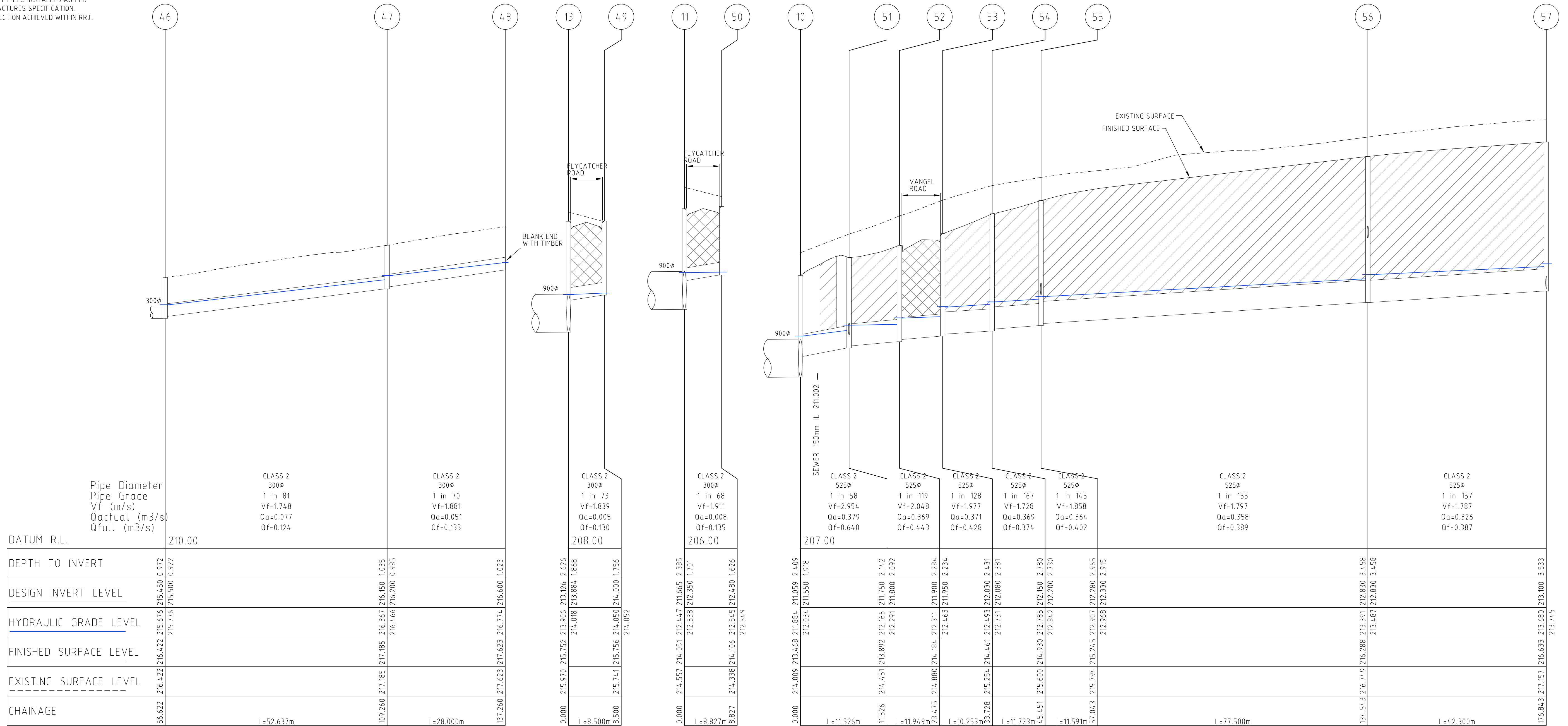
Drg No
AS CONSTRUCTED 305918R21

Rev
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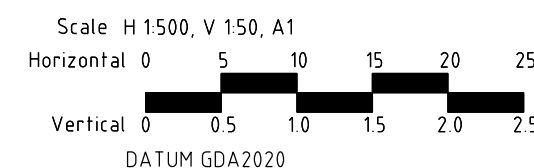


NOTE:

1. ALL PIPES TO BE RUBBER RING JOINTED (RRJ) UNLESS NOTED OTHERWISE.
2. DRAINAGE PIPES GREATER THAN 750 ϕ ARE TO BE FLUSH JOINTED (FJ) WITH EXTERNAL SEALING BANDS.
3. CURVED PIPE ALIGNMENTS TO BE ACHIEVED USING EITHER:
 - a) SPLAY PIPES INSTALLED AS PER MANUFACTURER'S SPECIFICATION
 - b) DEFLECTION ACHIEVED WITHIN RRJ.



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Rev	Amendments	Approved	Date



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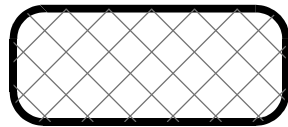
Redstone.
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Date
05/07/21

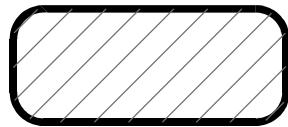
**REDSTONE ESTATE
STAGE 7
DRAINAGE LONG SECTION
SHEET 4 OF 7
VILLAWOOD PROPERTIES
HUME CITY COUNCIL**

AS CONSTRUCTED ^{Drg No} **305918R22**

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CLASS 2 CRUSHED ROCK



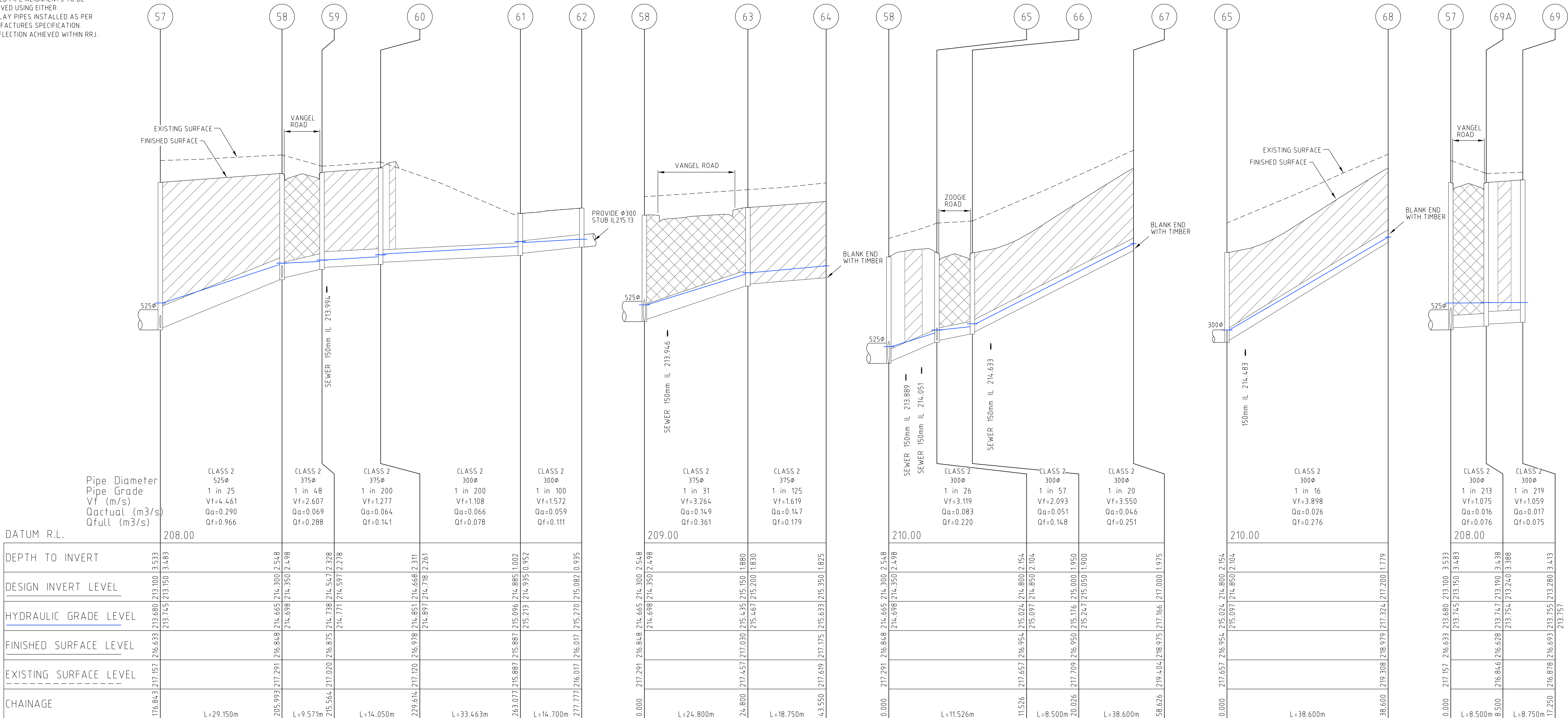
CLASS 3 CRUSHED ROCK

NOTE:

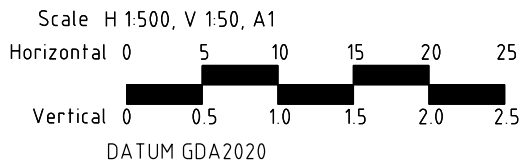
1 ALL PIPES TO BE RUBBER RING JOINTED (RRJ) UNLESS NOTED OTHERWISE.

2 DRAINAGE PIPES GREATER THAN 750Ø ARE TO BE FLUSH JOINTED (FJ) WITH EXTERNAL SEALING BANDS.

3 CURVED PIPE ALIGNMENTS TO BE ACHIEVED USING EITHER:
a) SPLAY PIPES INSTALLED AS PER MANUFACTURES SPECIFICATION
b) DEFLECTION ACHIEVED WITHIN RRJ.



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ABN 55 050 029 635

Communities Designed for Living

Designed
R. WEINBER

Authorised
M. TOOMER-SMITH

Redstone.
Your world awaits

Checked
D. CAMERON

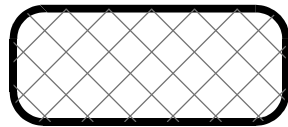
Date
05/07/21

REDSTONE ESTATE
STAGE 7
DRAINAGE LONG SECTION
SHEET 5 OF 7
VILLAWOOD PROPERTIES
HUME CITY COUNCIL

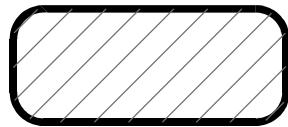
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Drg No
305918R23

Rev
0



CLASS 2 CRUSHED ROCK



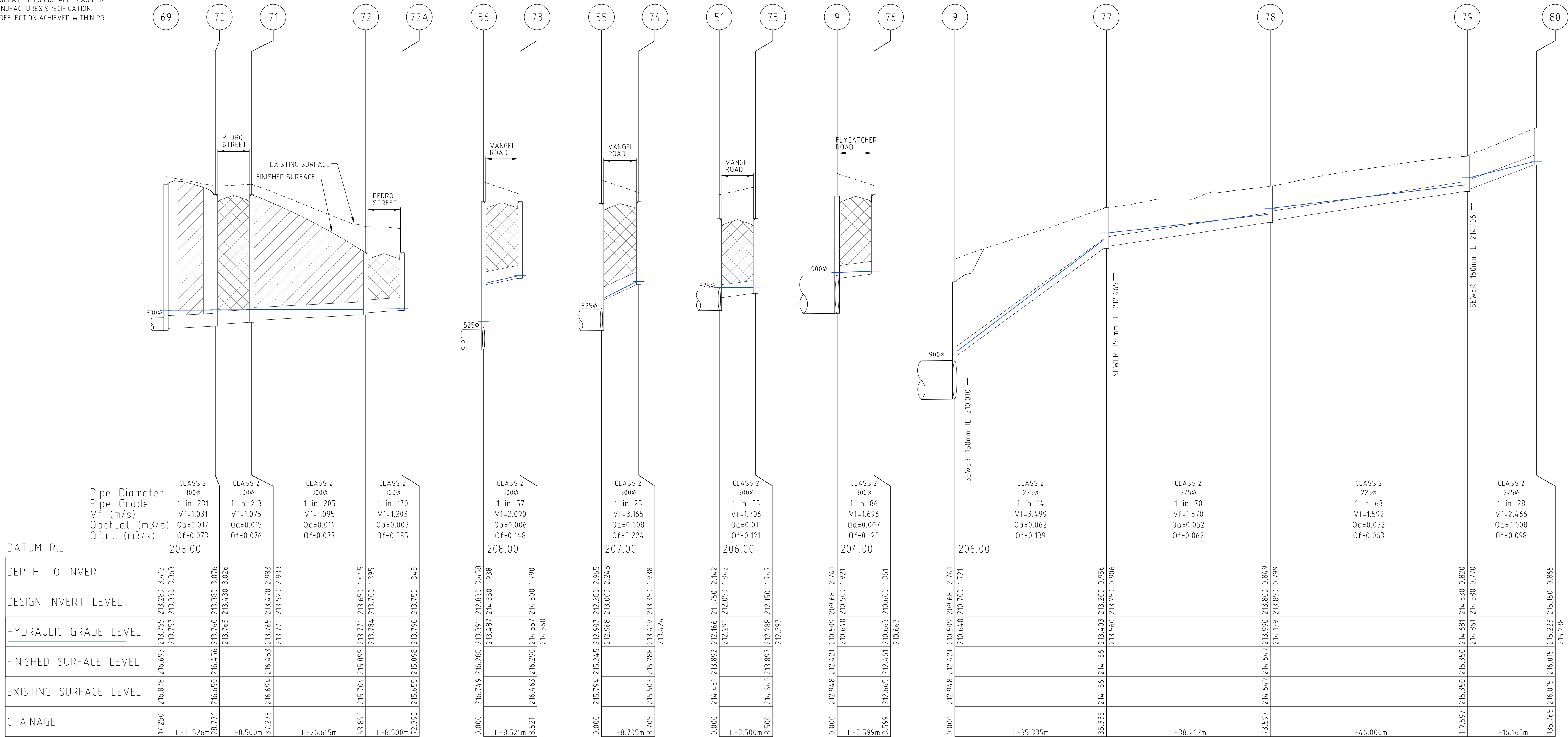
CLASS 3 CRUSHED ROCK

NOTE:

1 ALL PIPES TO BE RUBBER RING JOINTED (RRJ) UNLESS NOTED OTHERWISE.

2 DRAINAGE PIPES GREATER THAN 750Ø ARE TO BE FLUSH JOINTED (FJ) WITH EXTERNAL SEALING BANDS.

3 CURVED PIPE ALIGNMENTS TO BE ACHIEVED USING EITHER:
a) SPLAY PIPES INSTALLED AS PER MANUFACTURES SPECIFICATION
b) DEFLECTION ACHIEVED WITHIN RRJ.



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05/07/21

Redstone.

Your world awaits

REDSTONE ESTATE

STAGE 7

DRAINAGE LONG SECTION

SHEET 6 OF 7

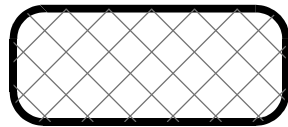
VILLAWOOD PROPERTIES

HUME CITY COUNCIL

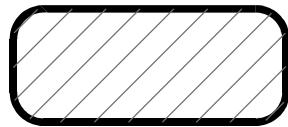
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Drg No **305918R24**

Rev **0**



CLASS 2 CRUSHED ROCK



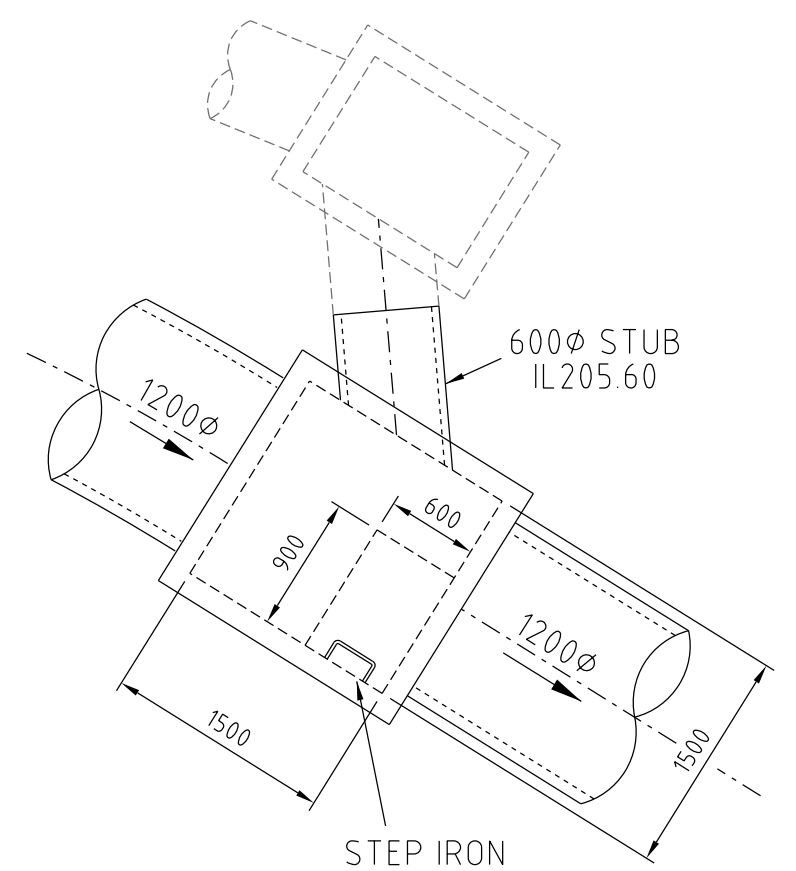
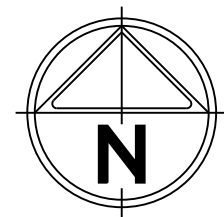
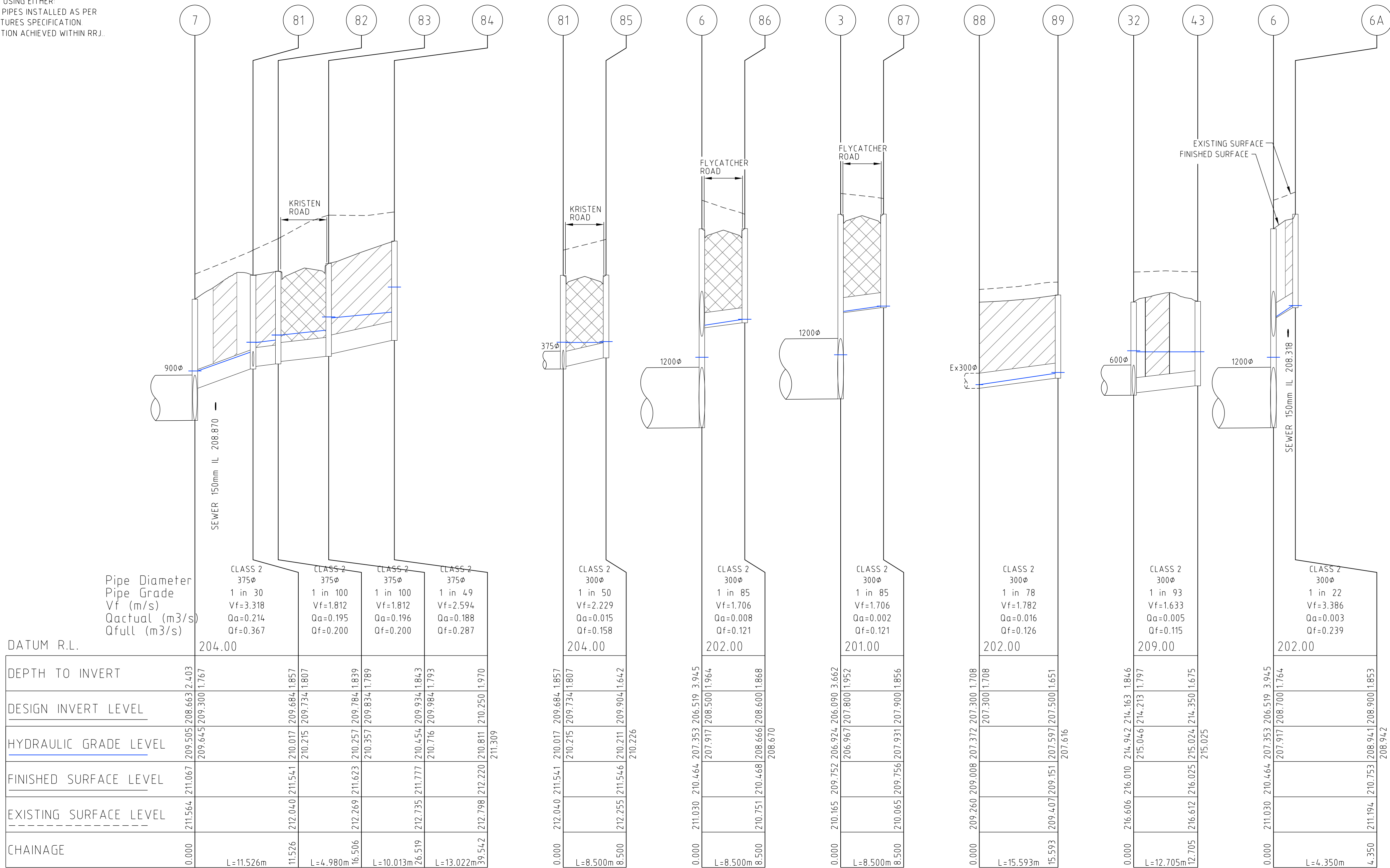
CLASS 3 CRUSHED ROCK

NOTE:

1 ALL PIPES TO BE RUBBER RING JOINTED (RRJ) UNLESS NOTED OTHERWISE.

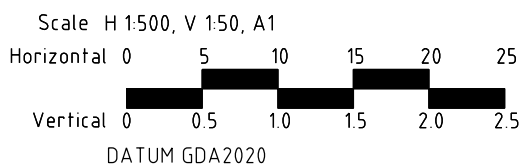
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a) SPLAY PIPES INSTALLED AS PER MANUFACTURES SPECIFICATION
b) DEFLECTION ACHIEVED WITHIN RRJ.



CONCRETE DETAILS
PLAN - SIDE ENTRY PIT 1
SCALE 1:25

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R. WEINBER
Authorised
M. TOOMER-SMITH



Checked
D. CAMERON
Date
05/07/21

REDSTONE ESTATE
STAGE 7
DRAINAGE LONG SECTION
SHEET 7 OF 7
VILLAWOOD PROPERTIES
HUME CITY COUNCIL

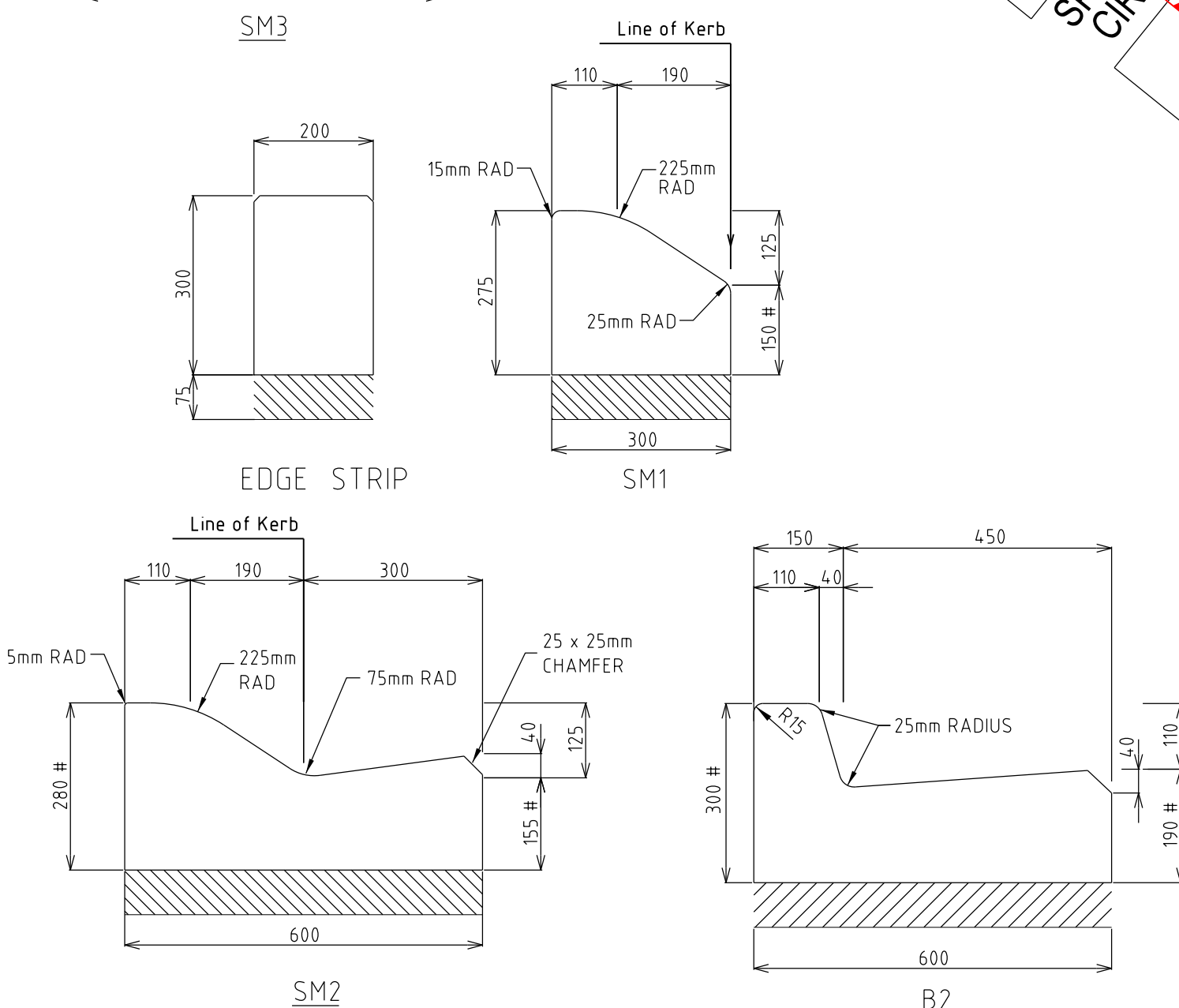
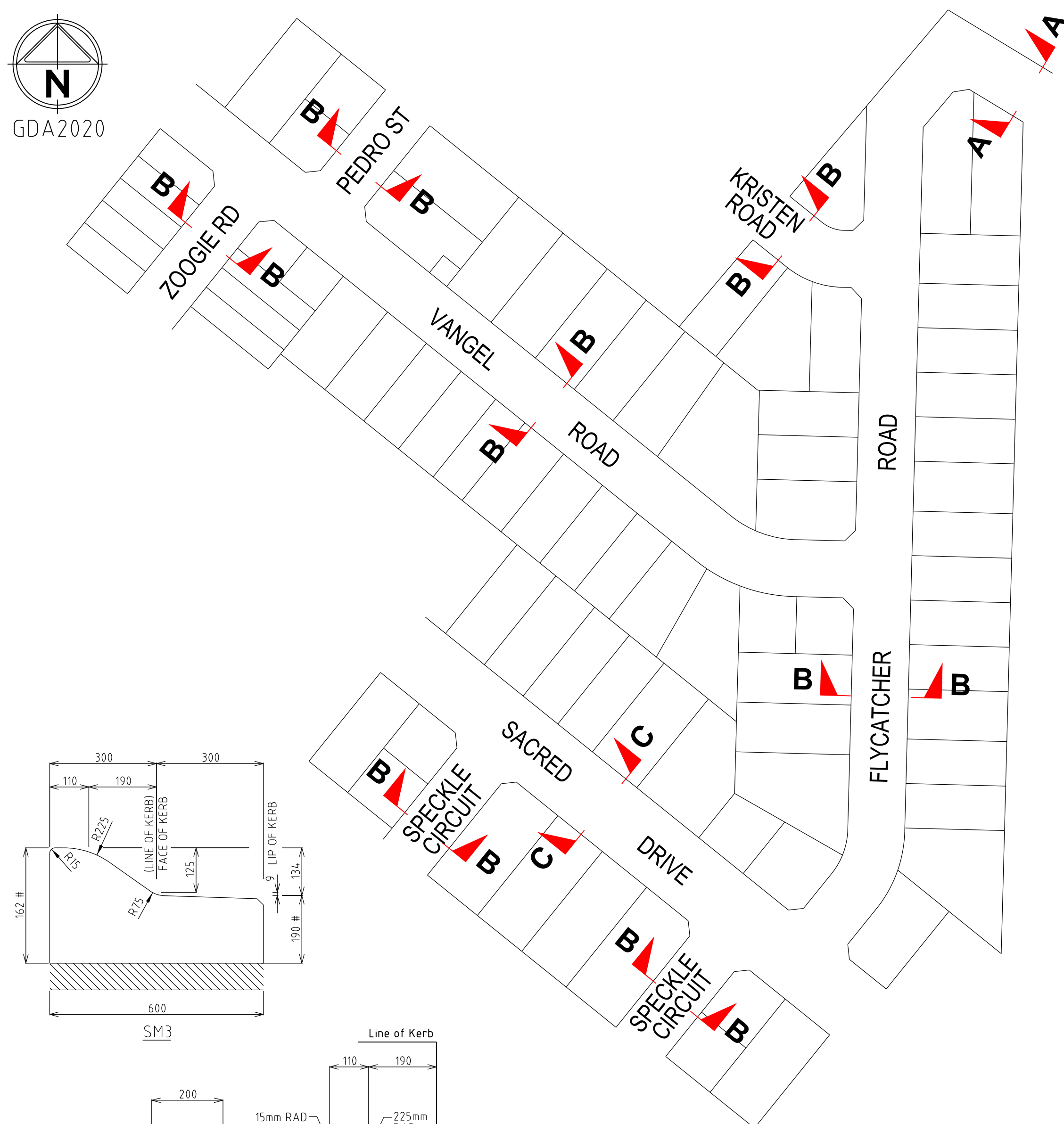
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Drg No 305918R25
Rev 0

DRAINAGE PIT SCHEDULE

PIT		INTERNAL		INLET		OUTLET		PIT		REMARKS
NAME	TYPE	LENGTH	WIDTH	DIA	INV LEVEL	DIA	INV LEVEL	FS LEVEL	DEPTH	
1	JUNCTION PIT	1500	1500	1200	205.600	1200	205.550	208.806	3.256	REFER DRAWING - EDCM 606 & 608 (REFER SHEET 25 FOR BASE DETAIL) CONSTRUCT PIT OVER EXISTING ENDPIPE, PROVIDE 600 DIA STUB PROVIDE ADDITIONAL 50mm DEPTH ON CONCRETE PIT BASE
				600	205.600					
2	TANGENT POINT			1200	205.907	1200	205.907	209.408	3.502	PIPE TANGENT POINT
3	SIDE ENTRY PIT GRATED	900	1500	1200	206.190	1200	206.090	209.752	3.662	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING AS PER EDCM 608) PROVIDE ADDITIONAL 50mm DEPTH ON CONCRETE PIT BASE
				300	207.800					
4	TANGENT POINT			1200	206.267	1200	206.267	209.939	3.673	PIPE TANGENT POINT
5	TANGENT POINT			1200	206.499	1200	206.499	210.423	3.925	PIPE TANGENT POINT
6	SIDE ENTRY PIT GRATED	900	1500	900	208.329	1200	206.519	210.464	3.945	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING AS PER EDCM 608) PROVIDE ADDITIONAL 50mm DEPTH ON CONCRETE PIT BASE
				300	208.500					
				300	208.700					
6A	GRATED ENTRY PIT	900	600			300	208.900	210.753	1.853	GRATED PIT
7	JUNCTION PIT	900	1200	900	208.763	900	208.663	211.067	2.403	REFER DRAWING - EDCM 605 (PROVIDE HAUNCHING AS PER EDCM 607) PROVIDE ADDITIONAL 50mm DEPTH ON CONCRETE PIT BASE
				375	209.300			211.067	2.403	
8	SIDE ENTRY PIT GRATED	900	1200	900	209.277	900	209.177	211.751	2.575	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING AS PER EDCM 607)
9	SIDE ENTRY PIT GRATED	900	1200	900	210.297	900	209.680	212.421	2.741	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING AS PER EDCM 607) PROVIDE CLASS D HEAVY DUTY COVER
				300	210.500			212.421	2.741	
				225	210.700			212.421	2.741	PROVIDE ADDITIONAL 50mm DEPTH ON CONCRETE PIT BASE
10	JUNCTION PIT	900	1200	900	211.159	900	211.059	213.468	2.409	REFER DRAWING - EDCM 605 (PROVIDE HAUNCHING AS PER EDCM 607)
				525	211.550			213.468	2.409	
11	SIDE ENTRY PIT GRATED	900	1200	900	211.765	900	211.665	214.051	2.385	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING AS PER EDCM 607)
				300	212.350			214.051	2.385	
12	TANGENT POINT			900	212.984	900	212.984	215.583	2.599	PIPE TANGENT POINT
13	SIDE ENTRY PIT GRATED	900	1200	900	213.884	900	213.126	215.752	2.626	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING AS PER EDCM 607) PROVIDE ADDITIONAL 50mm DEPTH ON CONCRETE PIT BASE
				300	214.121			215.752	2.626	
				300	213.884			215.752	2.626	
14	TANGENT POINT			900	213.954	900	213.954	215.882	1.928	PIPE TANGENT POINT
15	JUNCTION PIT	900	1200	900	214.121	900	214.071	216.006	1.935	REFER DRAWING - EDCM 605 (PROVIDE HAUNCHING AS PER EDCM 607)
				300	214.121			216.006	1.935	
				600	214.121			216.006	1.935	
16	TANGENT POINT			900	214.140	900	214.140	216.025	1.885	PIPE TANGENT POINT
17	TANGENT POINT			900	214.436	900	214.436	216.777	2.341	PIPE TANGENT POINT
18	SIDE ENTRY PIT GRATED	900	1200	900	214.665	900	214.615	217.026	2.410	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING AS PER EDCM 607)
19	SIDE ENTRY PIT GRATED	900	1200	900	214.950	900	214.900	217.452	2.552	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING AS PER EDCM 607)
				300	215.500			217.452	2.552	
20	JUNCTION PIT	900	1200	900	215.600	900	215.550	218.340	2.790	REFER DRAWING - EDCM 605 (PROVIDE HAUNCHING AS PER EDCM 607)
				375	216.100			218.340	2.790	
21	SIDE ENTRY PIT GRATED	900	1200	900	216.000	900	215.950	218.527	2.577	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING AS PER EDCM 607)
				300	216.600			218.527	2.577	
22	ENDPIPE					900	216.300	218.883	2.583	BLANK END WITH MARINE PLY
23	SIDE ENTRY PIT GRATED	900	600			300	216.800	218.645	1.845	REFER DRAWING - EDCM 601
24	SIDE ENTRY PIT GRATED	900	900	375	216.350	375	216.300	218.474	2.174	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING AS PER EDCM 607)
25	SIDE ENTRY PIT GRATED	900	900	300	216.500	375	216.450	218.470	2.020	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING AS PER EDCM 607)
26	JUNCTION PIT	900	600	300	218.012	300	217.962	219.760	1.797	REFER DRAWING - EDCM 601
				300	218.012			219.760	1.797	
27	ENDPIPE					300	218.150	219.950	1.800	BLANK END WITH MARINE PLY
28	JUNCTION PIT	900	600	225	219.737	300	219.687	220.681	0.994	REFER DRAWING - EDCM 605
29	ENDPIPE					225	219.830	220.817	0.987	BLANK END WITH MARINE PLY
30	SIDE ENTRY PIT GRATED	900	600			300	215.650	217.451	1.801	REFER DRAWING - EDCM 601
31	SIDE ENTRY PIT GRATED	900	600			300	214.800	216.527	1.727	REFER DRAWING - EDCM 601
32	JUNCTION PIT	900	900	600	214.213	600	214.163	216.010	1.846	REFER DRAWING - EDCM 605 (PROVIDE HAUNCHING AS PER EDCM 607)
				300	214.213			216.010	1.846	
33	JUNCTION PIT	900	900	525	214.350	600	214.300	216.092	1.792	REFER DRAWING - EDCM 605 (PROVIDE HAUNCHING AS PER EDCM 607)
				300	214.352			216.092	1.792	
34	JUNCTION PIT	900	900	450	214.700	525	214.650	216.712	2.062	REFER DRAWING - EDCM 605 (PROVIDE HAUNCHING AS PER EDCM 607)
35	SIDE ENTRY PIT GRATED	900	900	375	214.950	450	214.900	216.925	2.025	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING AS PER EDCM 607)
				300	214.950			216.925	2.025	
36	SIDE ENTRY PIT GRATED	900	600	300	215.150	375	215.100	216.933	1.833	REFER DRAWING - EDCM 601
37	JUNCTION PIT	900	600	300	216.828	300	216.778	218.542	1.764	REFER DRAWING - EDCM 605
				300	216.828			218.542	1.764	
38	ENDPIPE					300	216.990	218.754	1.764	BLANK END WITH MARINE PLY
39	JUNCTION PIT	900	600	225	218.667	300	218.617	219.611	0.994	REFER DRAWING - EDCM 605
40	ENDPIPE					225	218.800	219.733	0.933	BLANK END WITH MARINE PLY
41	JUNCTION PIT	900	600			300	215.830	217.586	1.756	REFER DRAWING - EDCM 605
42	SIDE ENTRY PIT GRATED	900	600			300	214.450	216.029	1.579	REFER DRAWING - EDCM 601
43	SIDE ENTRY PIT GRATED	900	600			300	214.350	216.025	1.675	REFER DRAWING - EDCM 601
44	JUNCTION PIT	900	600	300	214.350	300	214.300	216.098	1.798	REFER DRAWING - EDCM 605
45	JUNCTION PIT	900	600	300	215.200	300	215.150	216.785	1.615	REFER DRAWING - EDCM 605
46	JUNCTION PIT	900	600	300	215.500	300	215.450	216.422	0.972	REFER DRAWING - EDCM 605
47	JUNCTION PIT	900	600	300	216.200	300	216.150	217.185	1.035	REFER DRAWING - EDCM 605
48	ENDPIPE					300	216.600	217.623	1.023	BLANK END WITH MARINE PLY
49	SIDE ENTRY PIT GRATED	900	600			300	214.000	215.756	1.756	REFER DRAWING - EDCM 601
50	SIDE ENTRY PIT GRATED	900	600			300	212.480	214.106	1.626	REFER DRAWING - EDCM 601
51	SIDE ENTRY PIT GRATED	900	900	525	211.800	525	211.750	213.892	2.142	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING AS PER EDCM 607)
				300	212.050			213.892	2.142	
52	JUNCTION PIT	900	900	525	211.950	525	211.900	214.184	2.284	REFER DRAWING - EDCM 605 (PROVIDE HAUNCHING AS PER EDCM 607)
53	JUNCTION PIT	900	900	525	212.080	525	212.030	214.461	2.431	REFER DRAWING - EDCM 605 (PROVIDE HAUNCHING AS PER EDCM 607)
54	JUNCTION PIT	900	900	525	212.200	525	212.150	214.930	2.780	REFER DRAWING - EDCM 605 (PROVIDE HAUNCHING AS PER EDCM 607)
55	SIDE ENTRY PIT GRATED	900	900	525	212.330	525	212.280	215.245	2.965	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING AS PER EDCM 607)
				300	213.000			215.245	2.965	PROVIDE CLASS D HEAVY DUTY COVER

DRAINAGE PIT SCHEDULE

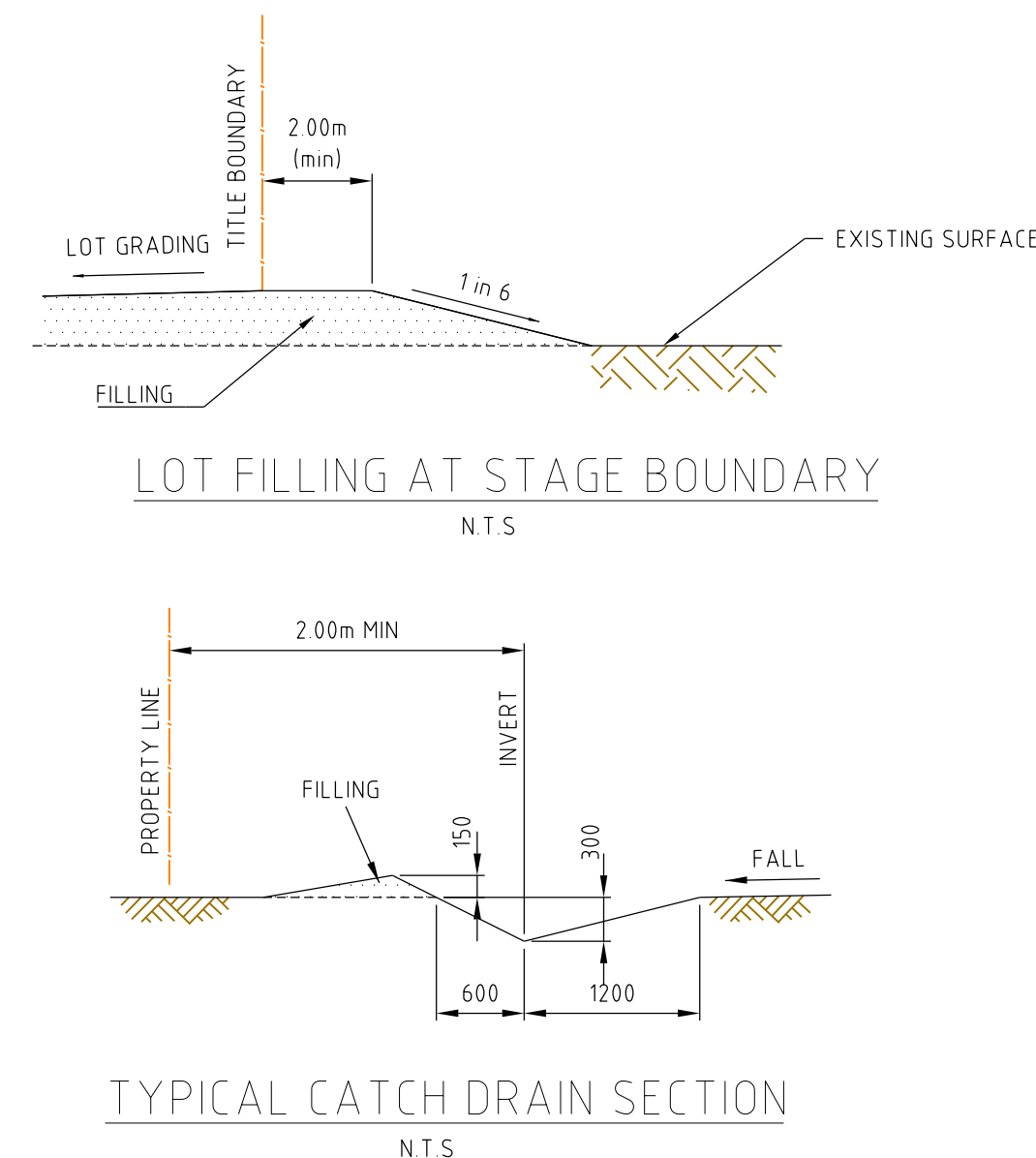
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NAME	TYPE	LENGTH	WIDTH	DIA	INV LEVEL	DIA	INV LEVEL	FS LEVEL	DEPTH	
56	SIDE ENTRY PIT GRATED	900	900	525	212.830	525	212.830	216.288	3.458	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING AS PER EDCM 607)
				300	214.350			216.288	3.458	PROVIDE CLASS D HEAVY DUTY COVER
57	JUNCTION PIT	900	900	525	213.150	525	213.100	216.633	3.533	REFER DRAWING - EDCM 605 (PROVIDE HAUNCHING AS PER EDCM 607)
				300	213.150			216.633	3.533	
58	JUNCTION PIT	900	900	375	214.350	525	214.300	216.848	2.548	REFER DRAWING - EDCM 605 (PROVIDE HAUNCHING AS PER EDCM 607)
				375	214.350			216.848	2.548	
				300	214.350			216.848	2.548	
59	SIDE ENTRY PIT GRATED	900	900	375	214.597	375	214.547	216.875	2.328	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING AS PER EDCM 607)
60	JUNCTION PIT	900	900	300	214.718	375	214.668	216.978	2.311	REFER DRAWING - EDCM 605 (PROVIDE HAUNCHING AS PER EDCM 607)
61	JUNCTION PIT	900	900	300	214.935	300	214.885	215.887	1.002	REFER DRAWING - EDCM 605
62	ENDPIPE					300	215.082	216.017	0.935	BLANK END WITH MARINE PLY
63	SIDE ENTRY PIT GRATED	900	900	375	215.200	375	215.150	217.030	1.880	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING AS PER EDCM 607)
64	ENDPIPE					375	215.350	217.175	1.825	BLANK END WITH MARINE PLY
65	SIDE ENTRY PIT GRATED	900	900	300	214.850	300	214.800	216.954	2.154	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING AS PER EDCM 607)
				300	214.850			216.954	2.154	
66	SIDE ENTRY PIT GRATED	900	600	300	215.050	300	215.000	216.950	1.950	REFER DRAWING - EDCM 601
67	ENDPIPE					300	217.000	218.975	1.975	BLANK END WITH MARINE PLY
68	ENDPIPE					300	217.200	218.979	1.779	BLANK END WITH MARINE PLY
69	JUNCTION PIT	900	900	300	213.330	300	213.280	216.693	3.413	REFER DRAWING - EDCM 605 (PROVIDE HAUNCHING AS PER EDCM 607)
69A	JUNCTION PIT	900	900	300	213.240	300	213.190	216.628	3.438	REFER DRAWING - EDCM 605 (PROVIDE HAUNCHING AS PER EDCM 607)
70	SIDE ENTRY PIT GRATED	900	900	300	213.430	300	213.380	216.456	3.076	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING AS PER EDCM 607)
71	SIDE ENTRY PIT GRATED	900	900	300	213.520	300	213.470	216.453	2.983	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING AS PER EDCM 607)
72	SIDE ENTRY PIT GRATED	900	600	300	213.700	300	213.650	215.095	1.445	REFER DRAWING - EDCM 601
72A	SIDE ENTRY PIT GRATED	900	900			300	213.750	215.098	1.348	REFER DRAWING - EDCM 601
73	SIDE ENTRY PIT GRATED	900	600			300	214.500	216.290	1.790	REFER DRAWING - EDCM 601
74	SIDE ENTRY PIT GRATED	900	600			300	213.350	215.288	1.938	REFER DRAWING - EDCM 601
75	SIDE ENTRY PIT GRATED	900	600			300	212.150	213.897	1.747	REFER DRAWING - EDCM 601
76	SIDE ENTRY PIT GRATED	900	600			300	210.600	212.461	1.861	REFER DRAWING - EDCM 601
77	JUNCTION PIT	900	600	225	213.250	225	213.200	214.156	0.956	REFER DRAWING - EDCM 605
78	JUNCTION PIT	900	600	225	213.850	225	213.800	214.649	0.849	REFER DRAWING - EDCM 605
79	JUNCTION PIT	900	600	225	214.580	225	214.530	215.350	0.820	REFER DRAWING - EDCM 605
80	JUNCTION PIT	900	600			225	215.150	216.015	0.865	REFER DRAWING - EDCM 605
81	SIDE ENTRY PIT GRATED	900	600	375	209.734	375	209.684	211.541	1.857	REFER DRAWING - EDCM 601
				300	209.734			211.541	1.857	
82	JUNCTION PIT	900	600	375	209.834	375	209.784	211.623	1.839	REFER DRAWING - EDCM 605
83	JUNCTION PIT	900	600	375	209.984	375	209.934	211.777	1.843	REFER DRAWING - EDCM 605
84	JUNCTION PIT	900	600			375	210.250	212.220	1.970	REFER DRAWING - EDCM 605, PROVIDE 375 BLOCKOUT IL210.30 WEST WALL
85	SIDE ENTRY PIT GRATED	900	600			300	209.904	211.546	1.642	REFER DRAWING - EDCM 601
86	SIDE ENTRY PIT GRATED	900	600			300	208.600	210.468	1.868	REFER DRAWING - EDCM 601
87	SIDE ENTRY PIT GRATED	900	600			300	207.900	209.756	1.856	REFER DRAWING - EDCM 601
88	ENDPIPE			300	207.300			209.008	1.708	CONNECT TO EXISTING ENDPIPE
89	JUNCTION PIT	900	600			300	207.500	209.151	1.651	REFER DRAWING - EDCM 605



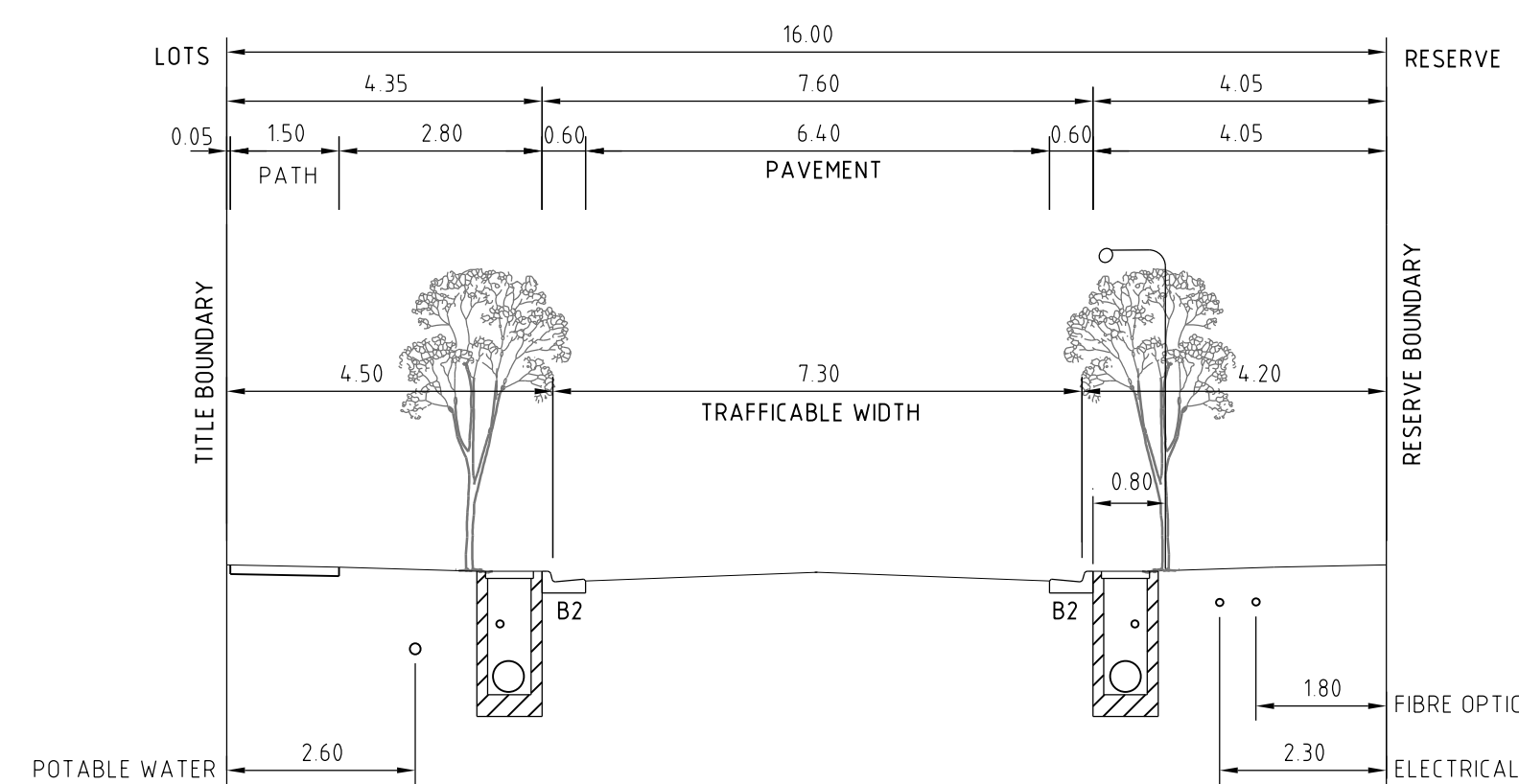
STANDARD KERB PROFILES

NOT TO SCALE

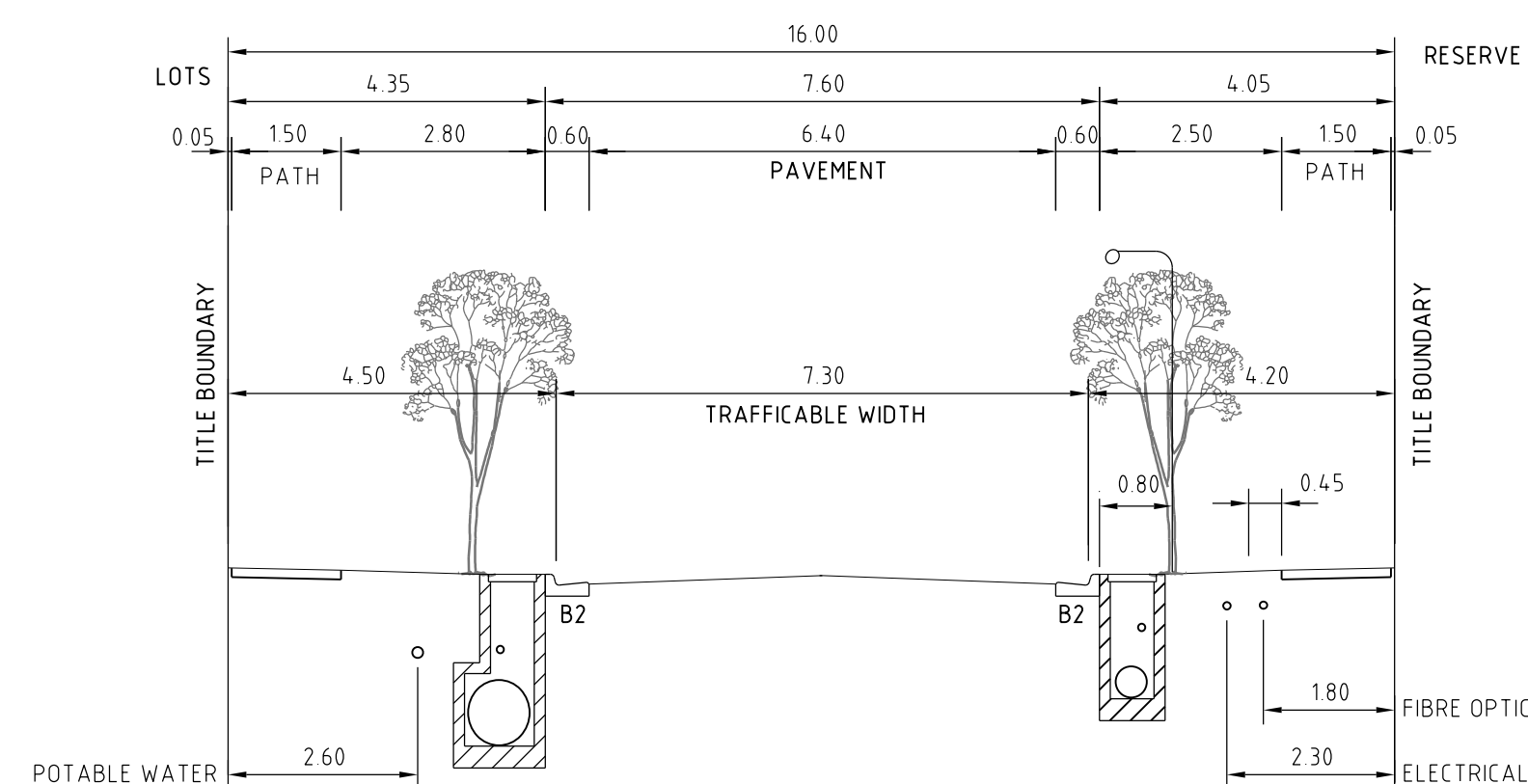
- NOTES:



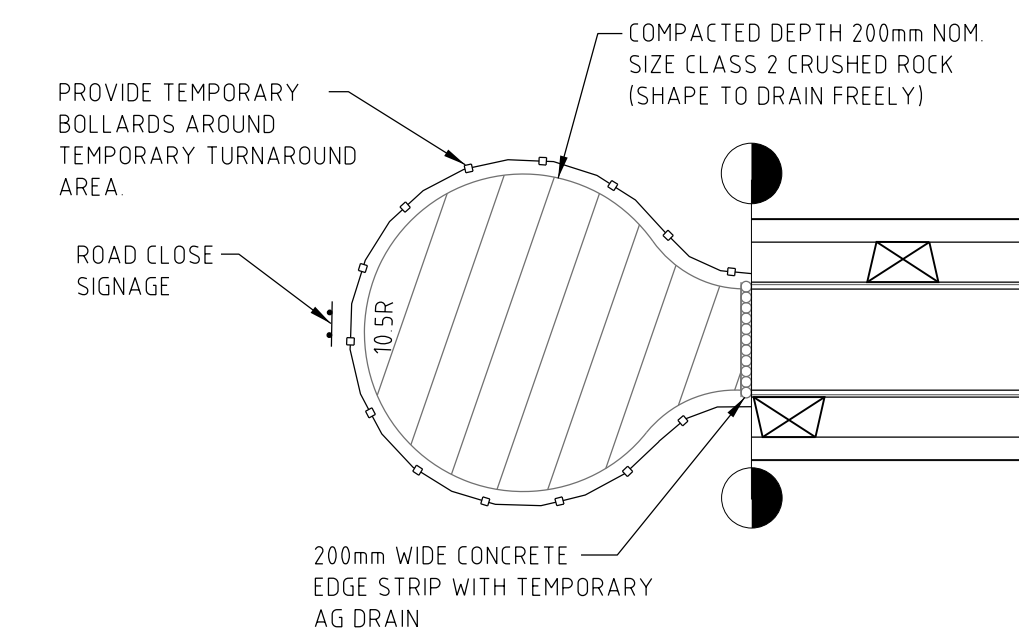
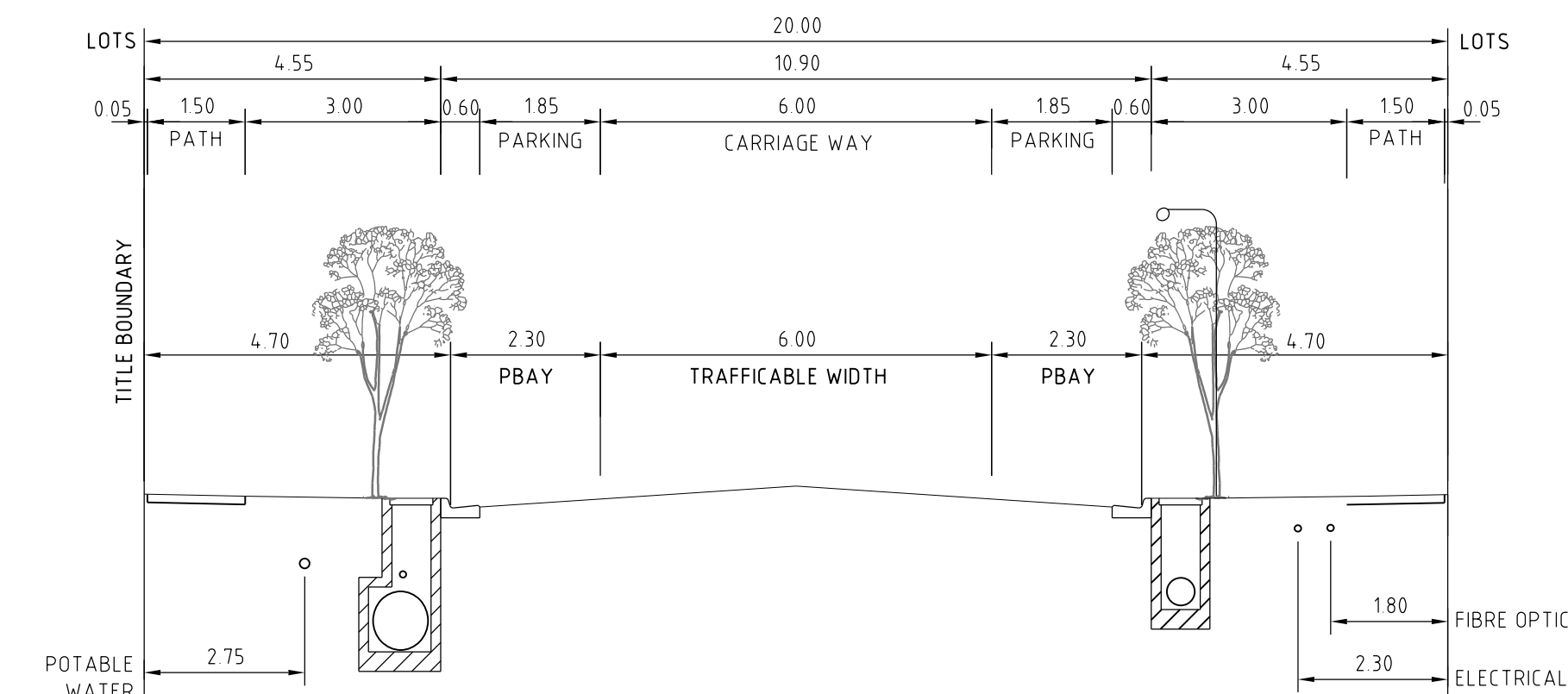
SECTION A - A
TYPICAL 16.00m ROAD RESERVE
FLYCATCHER ROAD



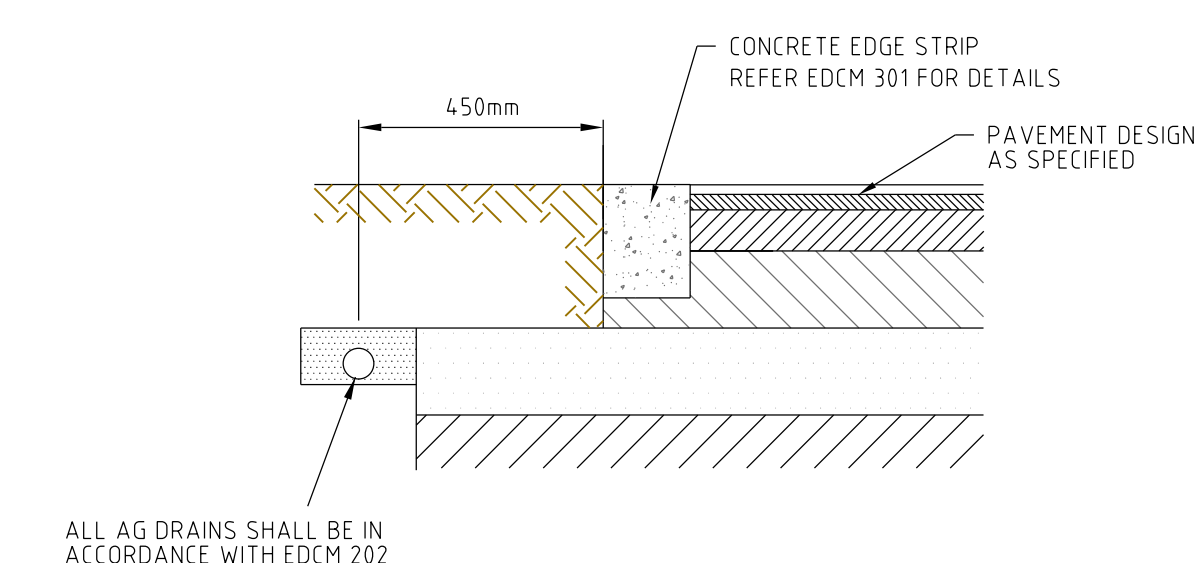
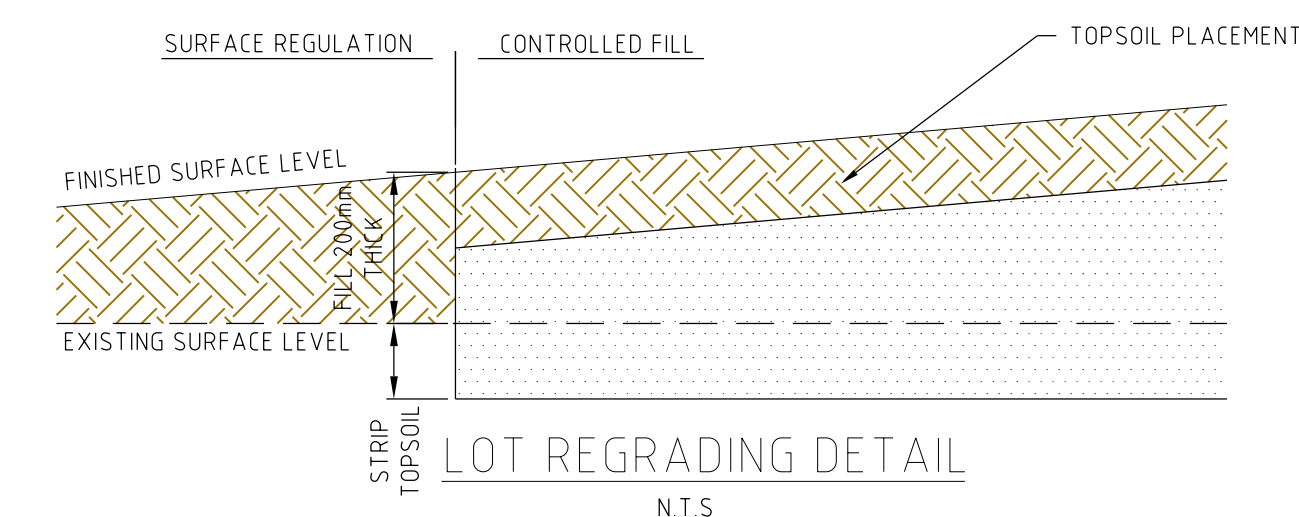
SECTION B - B
TYPICAL 16.00m ROAD RESERVE
FLYCATCHER ROAD, ZOOGIE ROAD, PEDRO
STREET, KRISTEN ROAD, SPECKLE CIRCUIT &
VANGEL ROAD



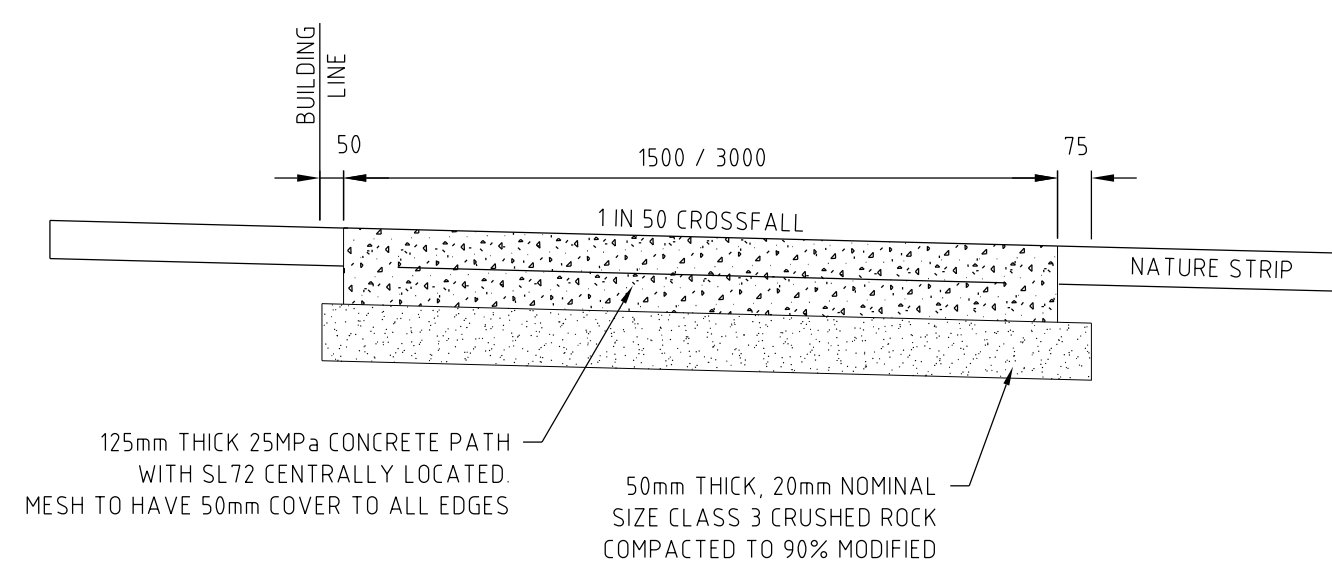
SECTION C - C
TYPICAL 20.00m ROAD RESERVE
SACRED DRIVE



TEMPORARY TURNING AREA DETAIL



LIMIT OF WORKS CONCRETE EDGE STRIP & PAVEMENT INTERFACE - DETAIL



TYPICAL RESIDENTIAL FOOTPATH CROSS SECTION



0	CONSTRUCTION ISSUE	M.T.S	27/05/22
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Designed

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R. WEINBER

Authorised
M. TOOMER-SMITH

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D CAMERON

Date
05/07/21

REDSTONE ESTATE STAGE 7

TYPICAL CROSS SECTIONS AND TYPICAL DETAILS

VILLAWOOD PROPERTIES HUME CITY COUNCIL

AS CONSTRUCTED ^{Drg No} **305918R27**

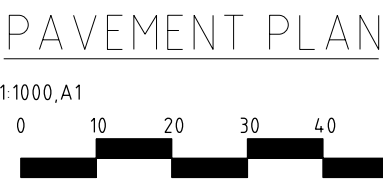
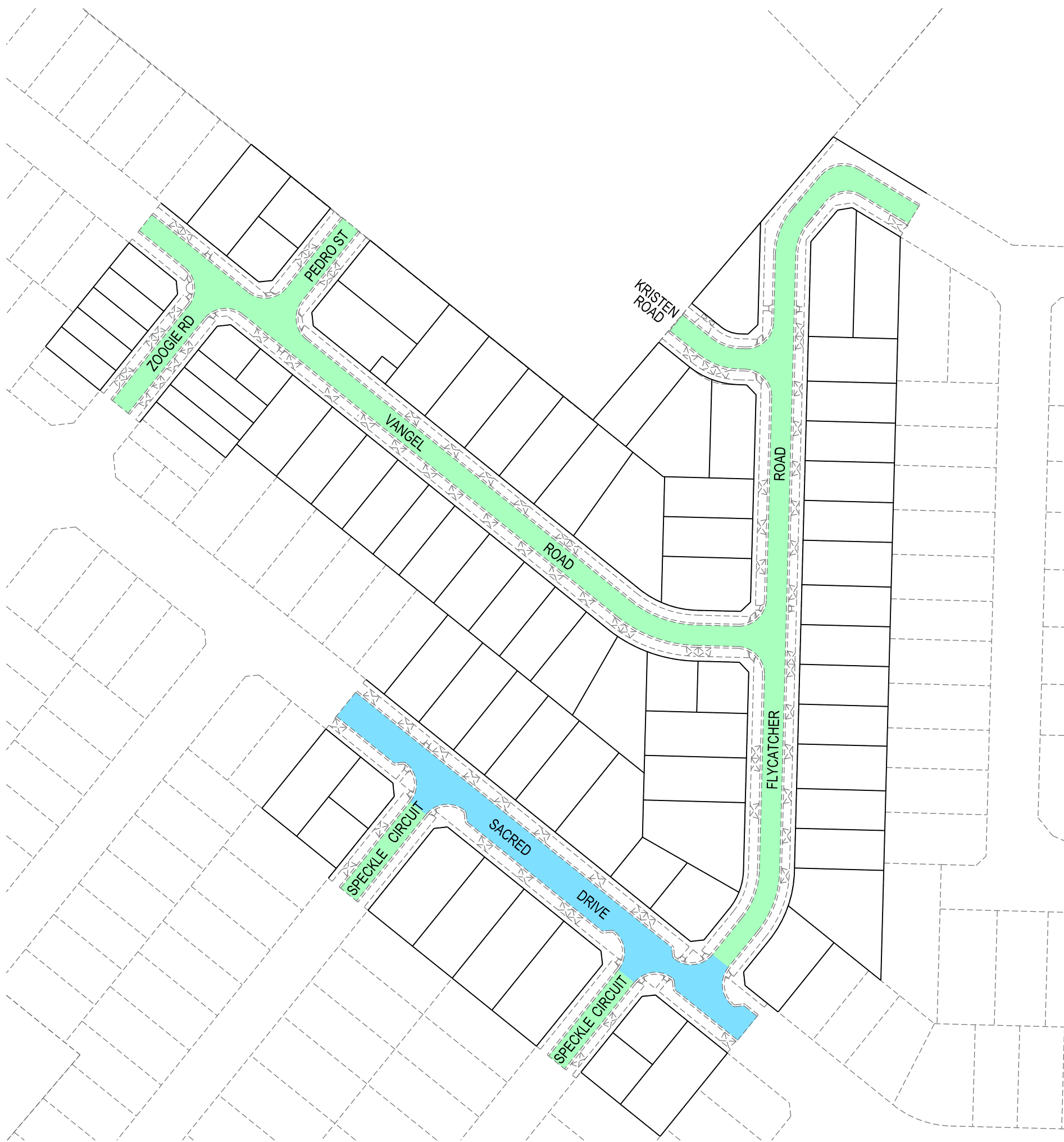
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DESIGN PAVEMENT PROFILE FOR AREA 2

PAVEMENT LAYER	DESCRIPTION	DEPTH (mm)
		AREA 2
WEARING COURSE	Size 10mm Type L Asphalt with a C320 binder	30
STRUCTURAL COURSE	Size 10mm Type N Asphalt with a C320 binder	30
WATER-PROOFING COURSE	SAMI seal with Class S18RF binder and bituminous prime	10
BASE COURSE (Standard Quality)	20mm nominal size Class 2 FCR, 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
UPPER PAVEMENT TOTAL		200
SUB-BASE COURSE (Standard Quality)	20mm nominal size Class 3 FCR, 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 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 and a percentage swell of less than 15%	160
CONSTRUCTION LAYER	Select granular material with a minimum soaked CBR of 10% compacted to 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 and a percentage swell of less than 15%	150
TOTAL PAVEMENT DEPTH		610
SUBGRADE	Natural Silty CLAY tested to confirm an in-situ CBR of at least 2.0% OR approved FILL compacted to at least 100% Standard Dry Density ratio (soaked CBR ≥ 3.0%) within 2% of the Standard Optimum Moisture Content	

DESIGN PAVEMENT PROFILE FOR AREA 4

PAVEMENT LAYER	DESCRIPTION	DEPTH (mm)
		AREA 4
WEARING COURSE	Size 14mm Type N Asphalt with a C320 binder	40
STRUCTURAL COURSE	Size 14mm Type HP Asphalt with a A10E binder	40
WATER-PROOFING COURSE	SAMI seal with Class S18RF binder and bituminous prime	10
BASE COURSE (High Quality)	20mm nominal size Class 2 FCR, compacted to at least 100% Characteristic Modified Dry Density Ratio within 1% of the Modified Optimum Moisture Content	110
UPPER PAVEMENT TOTAL		200
SUB-BASE COURSE (High Quality)	20mm nominal size Class 3 FCR, compacted to at least 98% Characteristic Modified Dry Density Ratio within 1% of the Modified Optimum Moisture Content	160
CAPPING LAYER	Select granular material with a minimum soaked CBR of 10% compacted to 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 and a percentage swell of less than 15%	200
CONSTRUCTION LAYER	Select granular material with a minimum soaked CBR of 10% compacted to 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 and a percentage swell of less than 15%	150
TOTAL PAVEMENT DEPTH		710
SUBGRADE	Natural Silty CLAY tested to confirm an in-situ CBR of at least 2.0% OR approved FILL compacted to at least 100% Standard Dry Density ratio (soaked CBR ≥ 3.0%) within 2% of the Standard Optimum Moisture Content	

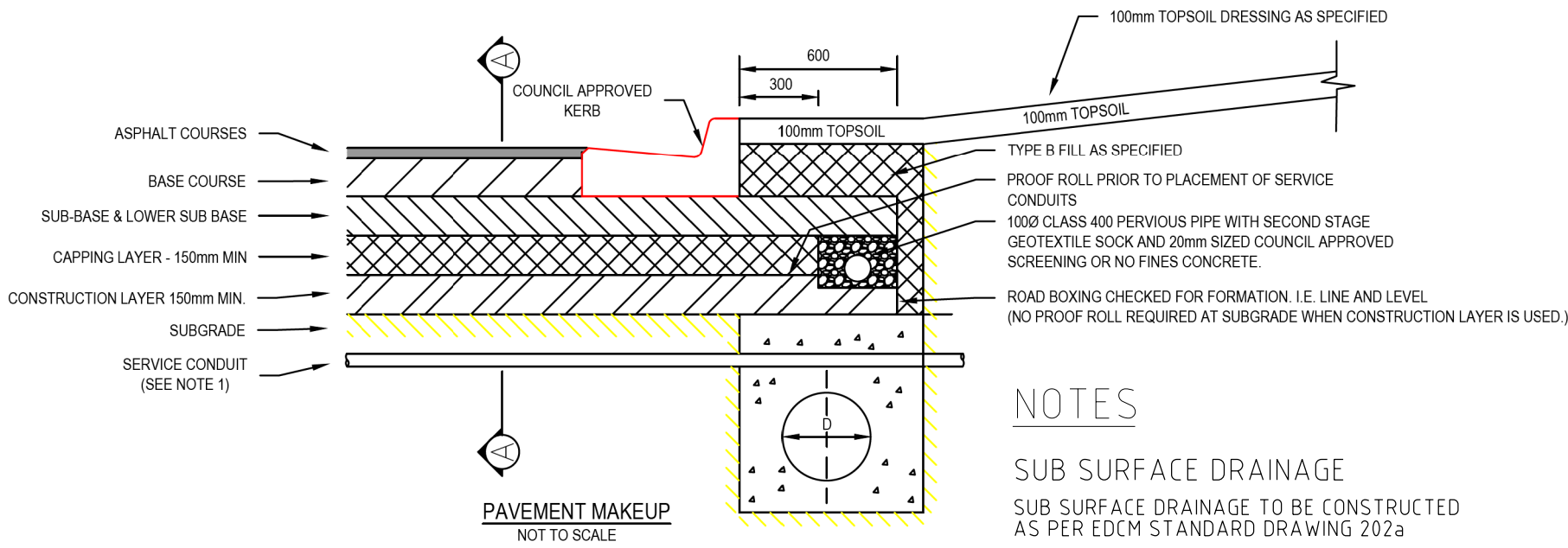


PAVEMENT DETAILS

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 CARDNO VICTORIA PTY LTD REPORT TITLED "GEOTECHNICAL INVESTIGATION FOR PROPOSED RESIDENTIAL SUBDIVISION REDSTONE HILL SUNBURY SOUTH" V180556 REPORT 012. THIS DOCUMENT SHOULD BE REVIEWED TO ENSURE THAT THE DESIGN HAS BEEN ACCURATELY REPRODUCED. A COPY OF THE DOCUMENT WILL BE PROVIDED TO YOU ON REQUEST.

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NOTES

SUB SURFACE DRAINAGE
SUB SURFACE DRAINAGE TO BE CONSTRUCTED AS PER EDM STANDARD DRAWING 202a

NOTE FOR SAMI TREATMENT
DESIGN AND APPLICATION OF SAMI, INCLUDING MATERIAL REQUIREMENTS, SHOULD COMPLY WITH VICROADS STANDARD SPECIFICATION FOR ROADWORKS AND BRIDGEWORKS SECTION 408 AND THE CURRENT AUSTRROADS SPRAYED SEAL DESIGN METHOD.

0	CONSTRUCTION ISSUE	M.T.S	27/05/22
Rev	Amendments	Approved	Date

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M. TOOMER-SMITH

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05/07/21

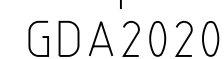
REDSTONE ESTATE
STAGE 7
PAVEMENT DETAILS

VILLAWOOD PROPERTIES
HUME CITY COUNCIL

AS CONSTRUCTED

Drg No
305918R28

Rev
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FUTURE
STAGE 9

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**REDSTONE ESTATE
STAGE 7
SIGNAGE, LINEMARKING & CARPARKING PLAN
SHEET 1 OF 2**

VILLAWOOD PROPERTIES
HUME CITY COUNCIL

AS CONSTRUCTED Drg No 305918R29

0

LEGEND

1

STREET NAME PLATES TO BE IN ACCORDANCE WITH HCC SD408 & SD412, INCLUDING "NO THROUGH ROAD" NOMINATION WHERE APPLICABLE.

2

G9-20

3

 D4-5

INSTALL ONLY POLYPLASTIC OR METAL
MECHANICALLY FIXED TACTILE MARKERS

					TGSI KERB RAMP
--	--	--	--	--	----------------

 TGSi DIRECTIONAL

INSTALL ONLY POLYPLASTIC OR METAL
MECHANICALLY FIXED TACTILE MARKS
HAZARD / DIRECTIONAL TGSIS
SHOW INDICATIVELY.
FOOTPATH RAMPS SHALL BE
CONSTRUCTED IN ACCORDANCE WITH
EDCM 403.
TGSIS SHALL CONFORM TO AS1428.4



1-WAY RRPM (5m SPACING)

NOTE:

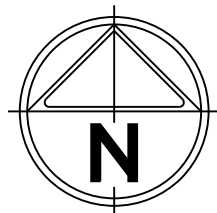
1. STREET SIGNS ARE TO BE MOUNTED ON LIGHT POLES, WITH A COUNCIL APPROVED BRACKET, IN LIEU OF SIGN POLES WHERE THE TWO POLES ARE IN CLOSE PROXIMITY AND WHERE THE STREET SIGN WOULD NOT BE COMPROMISED IN ITS PURPOSE BY THE RELOCATION.

NOTIONAL CARPARKING SPACES

FUTURE
STAGE 8

FOR CONTINUATION REFER SHEET 30

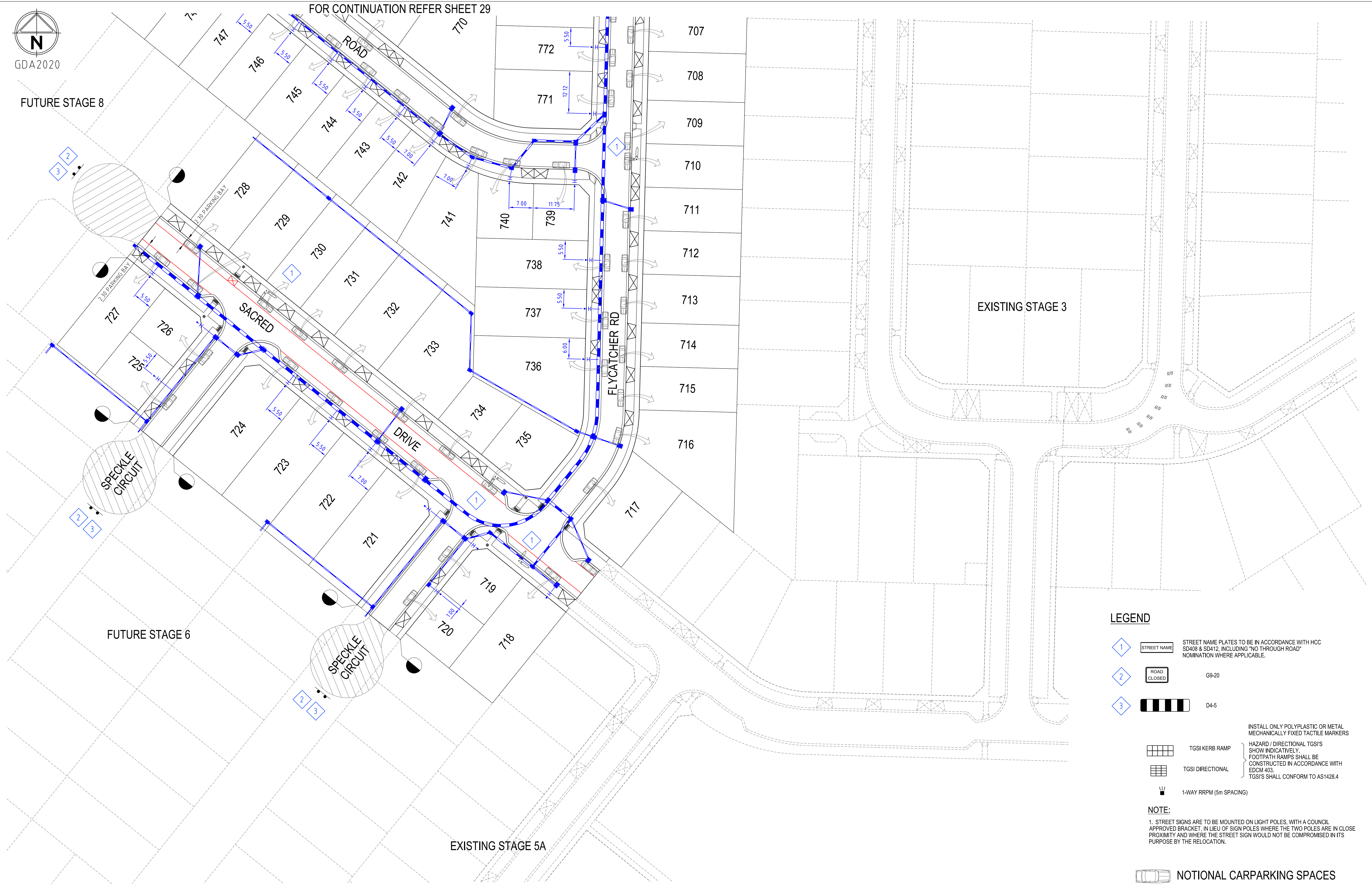
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GDA2020

FUTURE STAGE 8

FOR CONTINUATION REFER SHEET 29



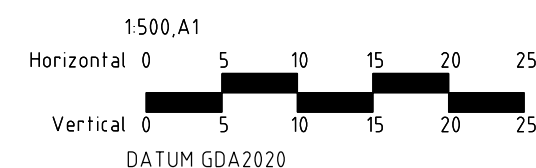
LEGEND

- 1 STREET NAME STREET NAME PLATES TO BE IN ACCORDANCE WITH HCC SD408 & SD412, INCLUDING "NO THROUGH ROAD" NOMINATION WHERE APPLICABLE.
- 2 ROAD CLOSED G9-20
- 3 D4-5
- TGSI KERB RAMP HAZARD / DIRECTIONAL TGSI'S SHOW INDICATIVELY. FOOTPATH RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH EDM 403. TGSI'S SHALL CONFORM TO AS1428.4
- TGSI DIRECTIONAL
- 1-WAY RRPM (5m SPACING)

NOTE:
1. STREET SIGNS ARE TO BE MOUNTED ON LIGHT POLES, WITH A COUNCIL APPROVED BRACKET, IN LIEU OF SIGN POLES WHERE THE TWO POLES ARE IN CLOSE PROXIMITY AND WHERE THE STREET SIGN WOULD NOT BE COMPROMISED IN ITS PURPOSE BY THE RELOCATION.

NOTIONAL CARPARKING SPACES

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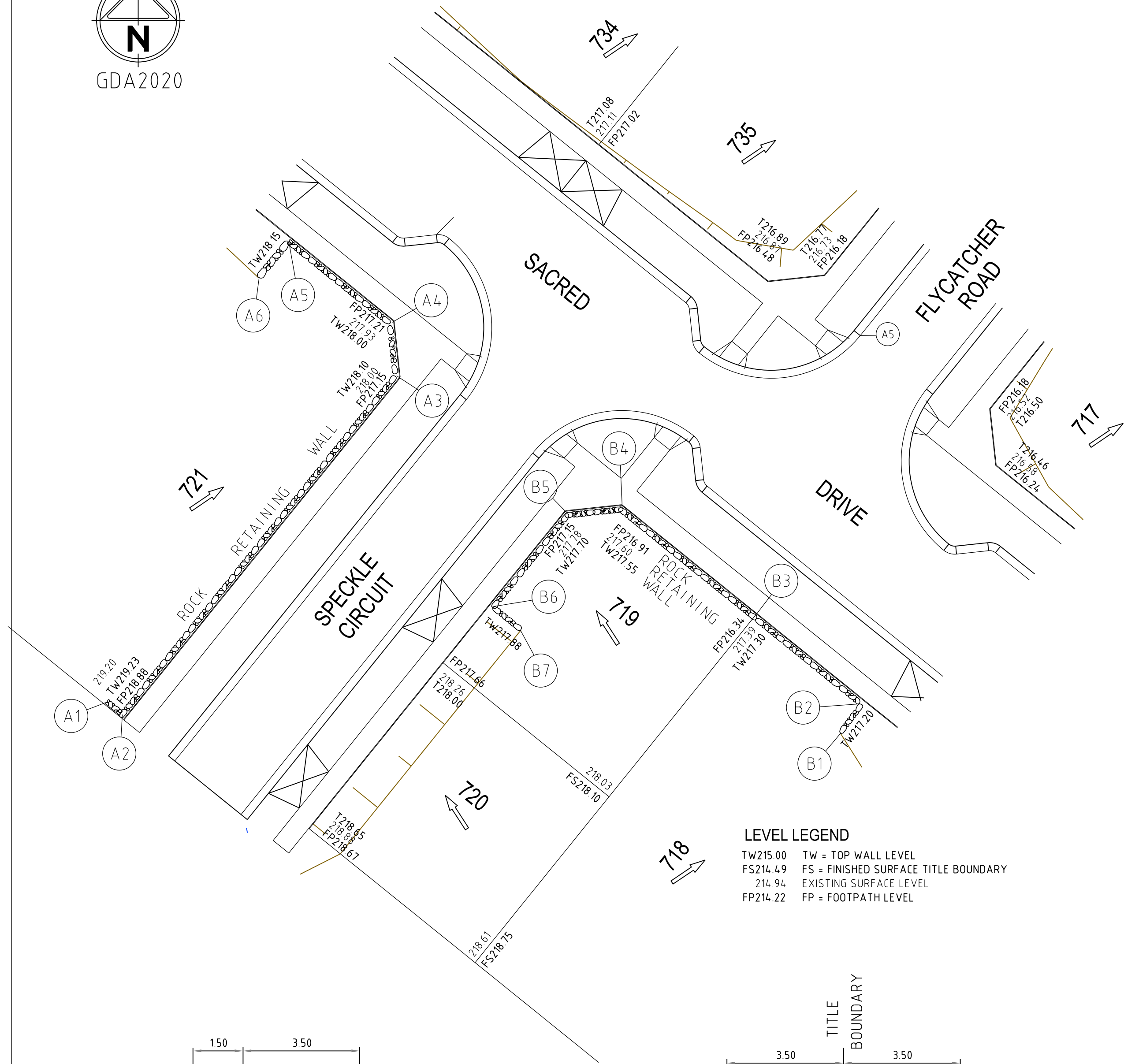
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**REDSTONE ESTATE
STAGE 7
SIGNAGE, LINEMARKING & CARPARKING PLAN
SHEET 2 OF 2**

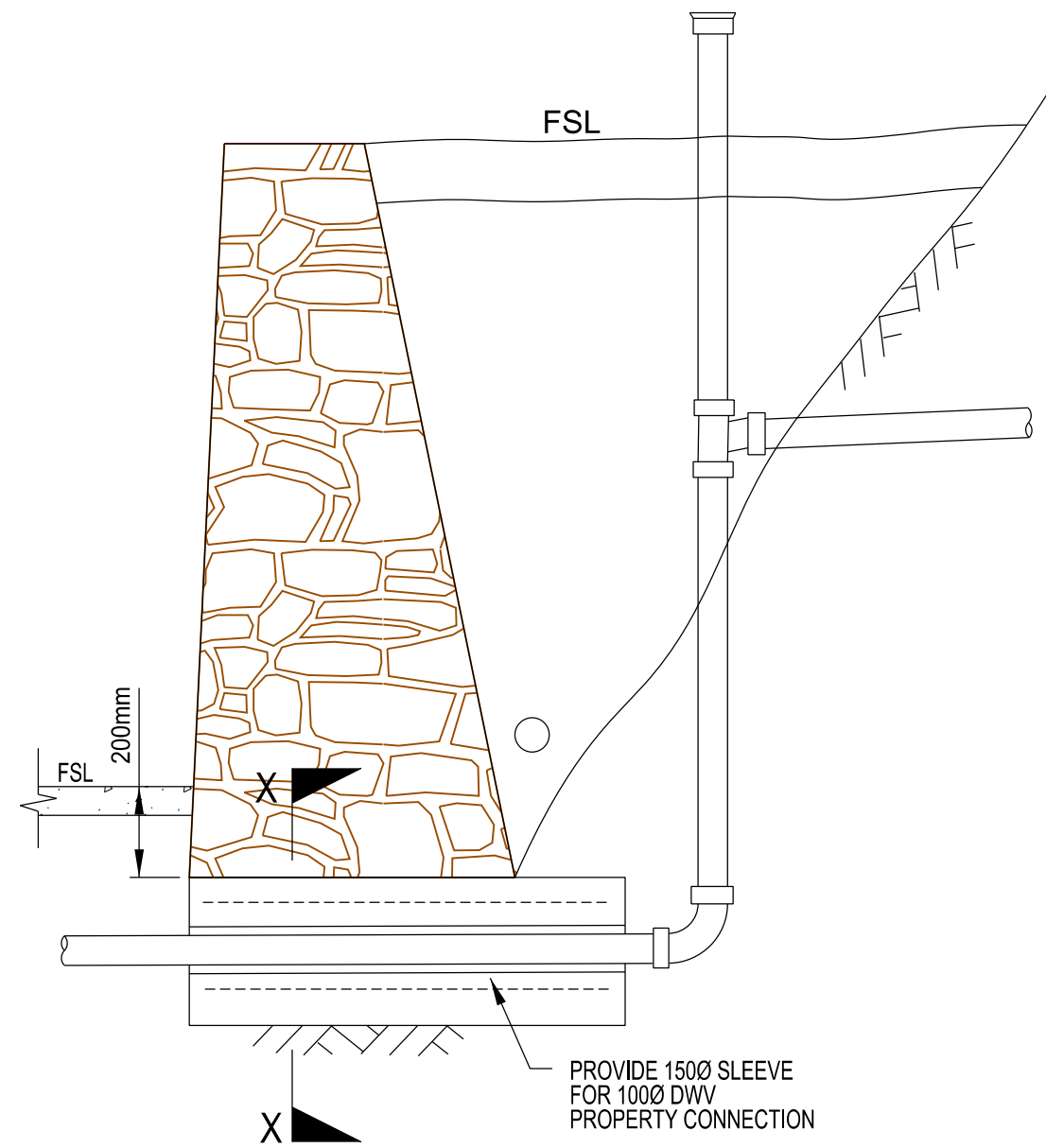
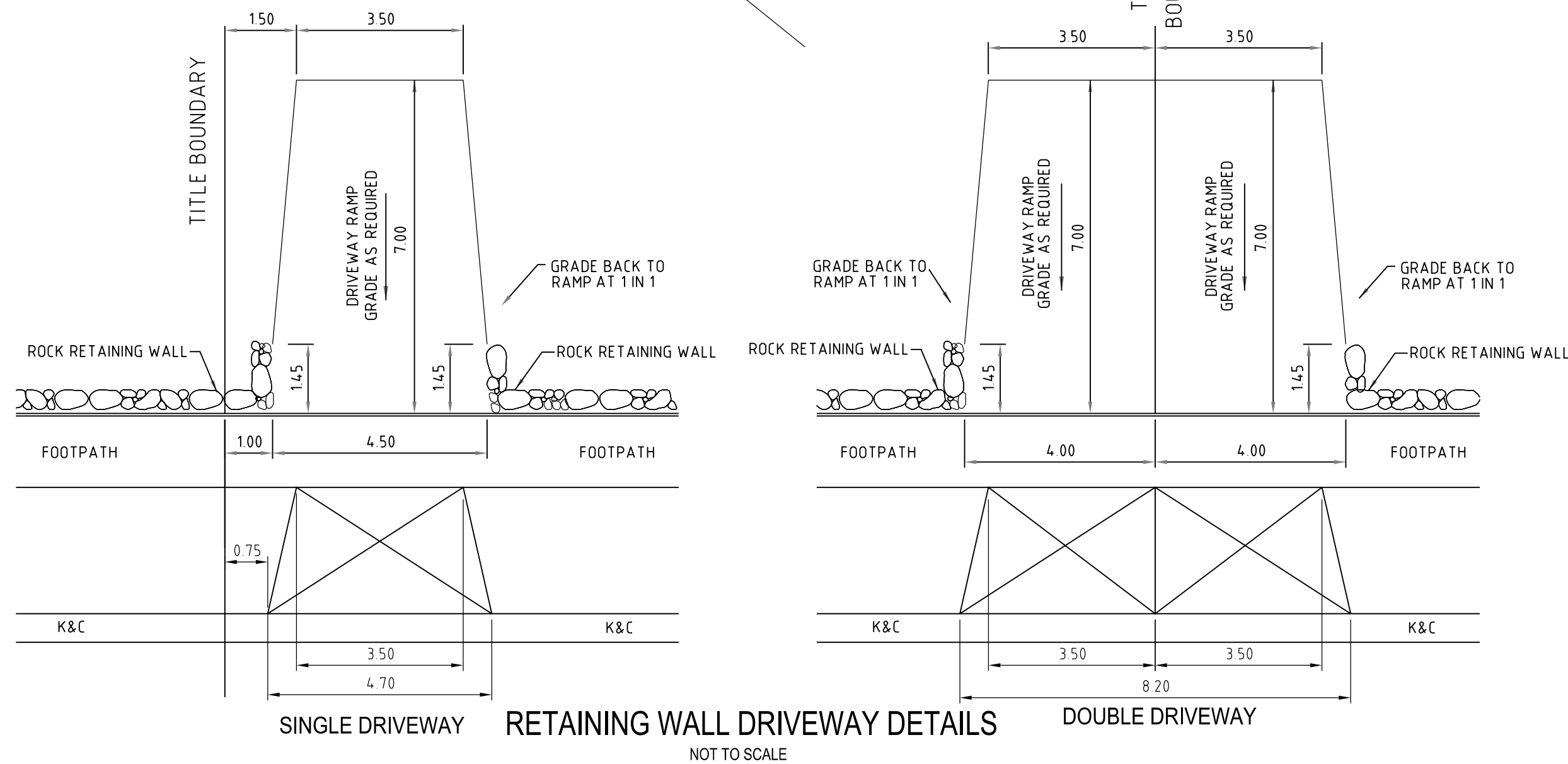
VILLAWOOD PROPERTIES
HUME CITY COUNCIL

AS CONSTRUCTED Drg No
305918R30

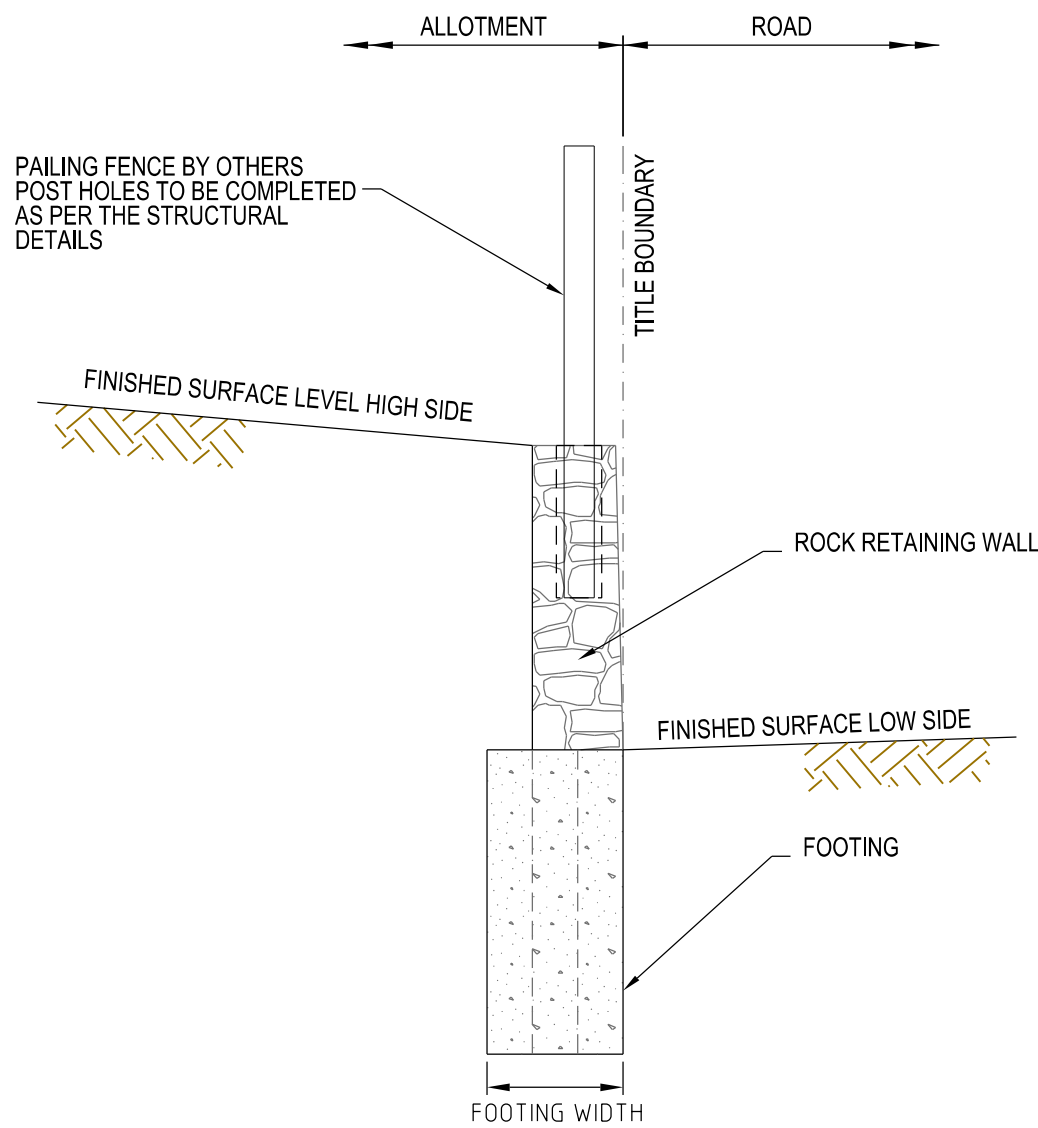
Rev
0



LEVEL LEGEND	
TW215.00	TW = TOP WALL LEVEL
FS214.49	FS = FINISHED SURFACE TITLE BOUNDARY
214.94	EXISTING SURFACE LEVEL
FP214.22	FP = FOOTPATH LEVEL



DRAINAGE CONNECTION UNDER ROCK RETAINING WALL
NTS

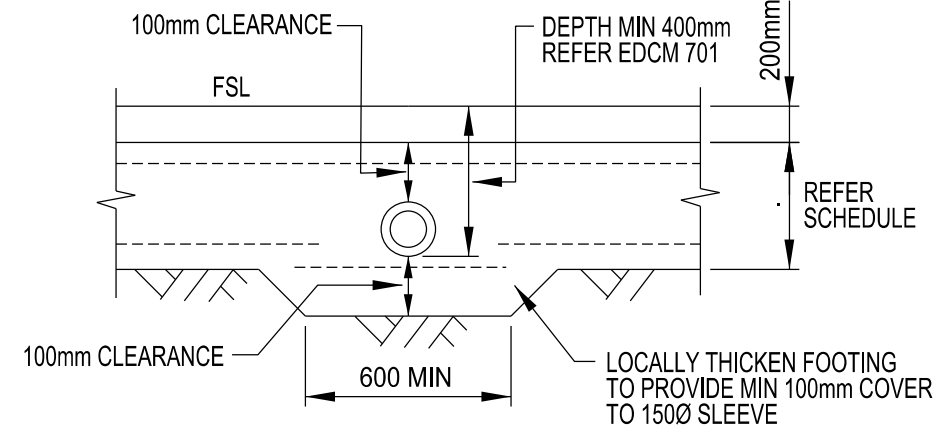


ROCK RETAINING WALL TYPICAL DETAIL
NTS

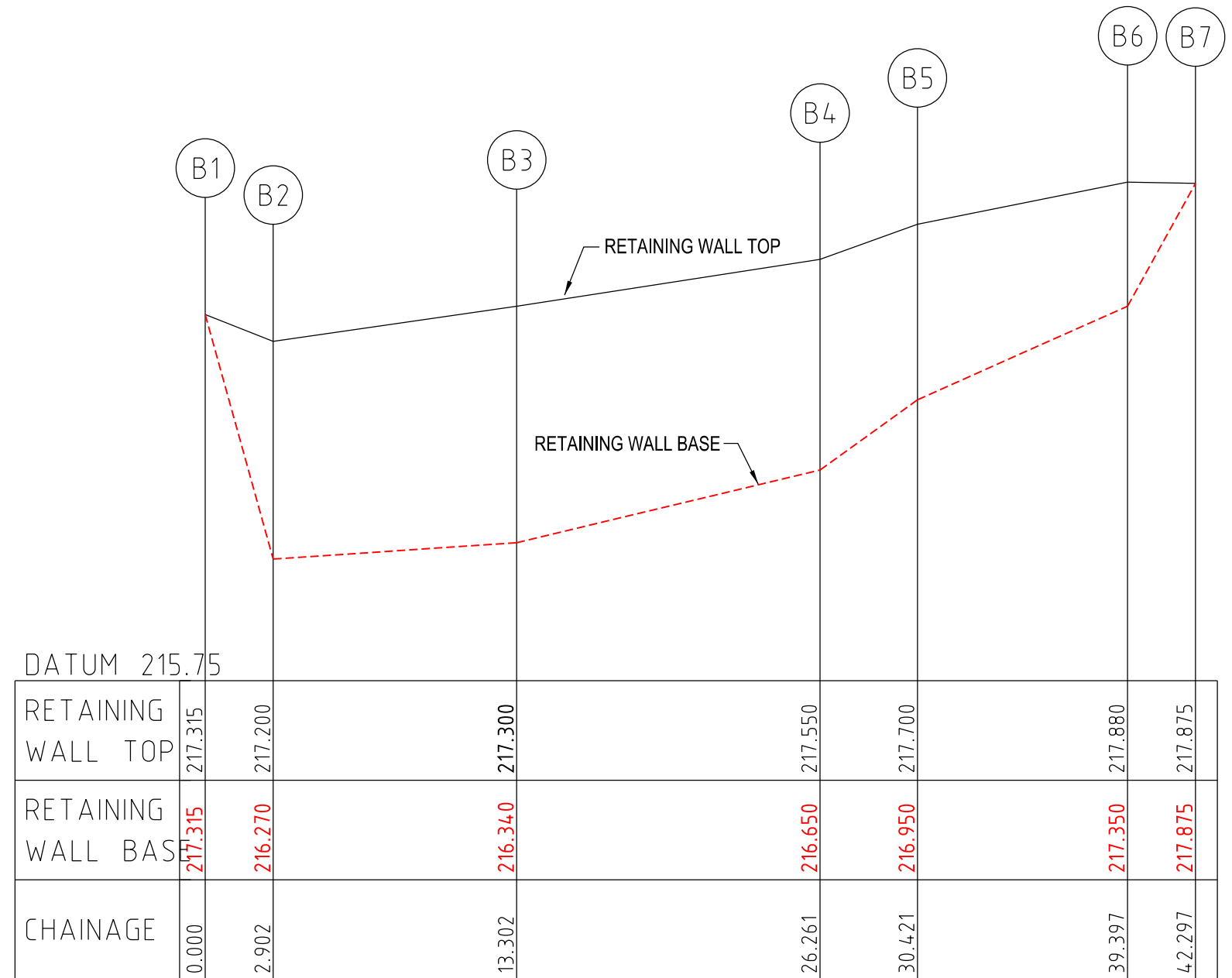
NOTE:
THE RETAINING WALL PLAN IS NOT PART OF THE SUBDIVISIONAL WORKS OR APPROVAL IT IS SUBJECT TO SEPARATE APPROVAL. THIS SHEET IS SUPPLEMENTARY TO THE ENGINEERING DRAWINGS.

NOTE:
FOR LEVELS OF RETAINING WALLS FRONTING STREETS, REFER TO RELEVANT ROAD/STREET LONGITUDINAL SECTIONS.

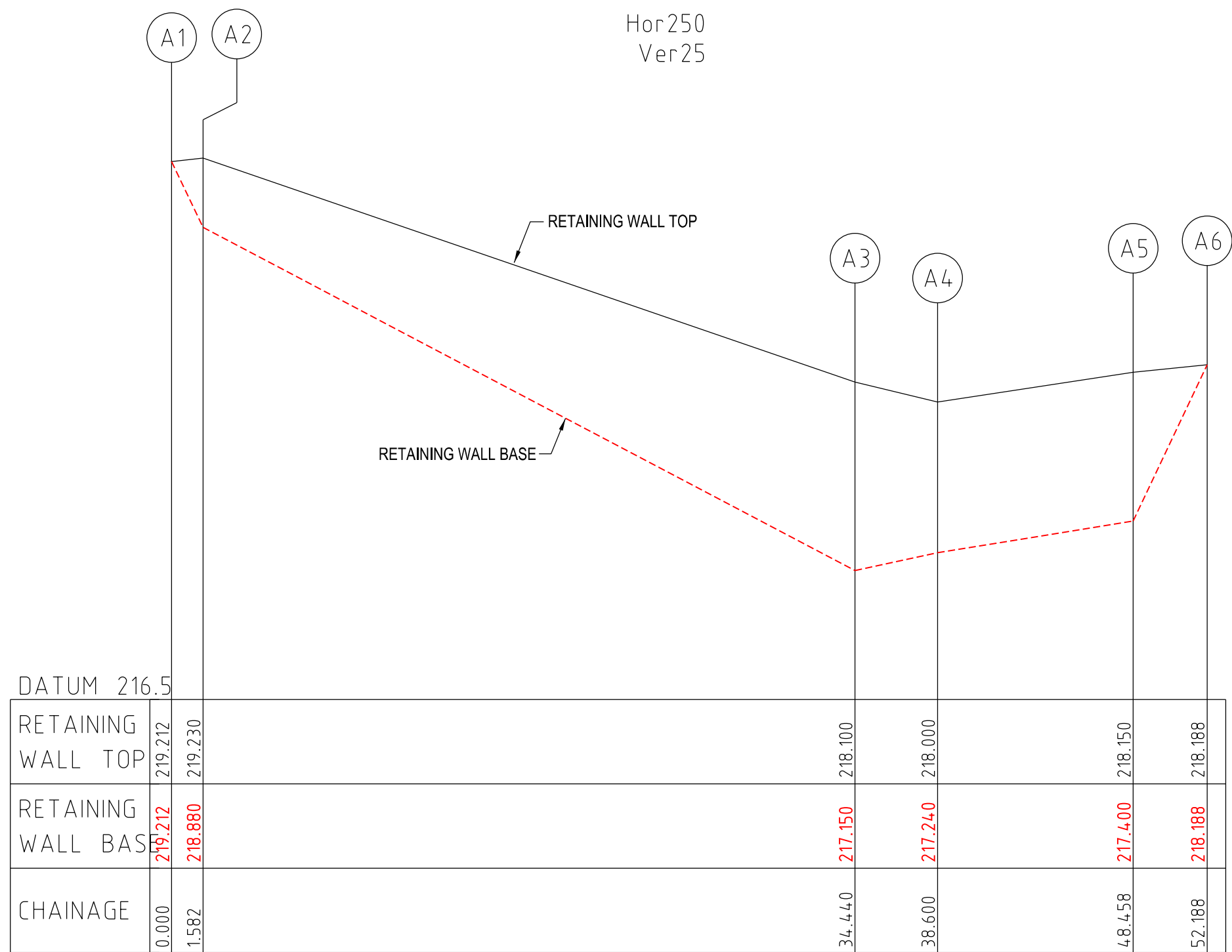
NOTE:
AG DRAINS BEHIND RETAINING WALLS TO DISCHARGE INTO PROPERTY DRAINAGE CONNECTIONS.



SECTION X-X
NTS

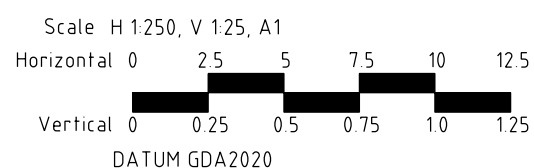


RETAINING WALL B
Hor250
Ver25



RETAINING WALL A
Hor250
Ver25

Rev	Amendments	Approved	Date
1	FINISHED LEVELS UPDATED	M.T.S	1/06/22
0	CONSTRUCTION ISSUE	M.T.S	27/05/22



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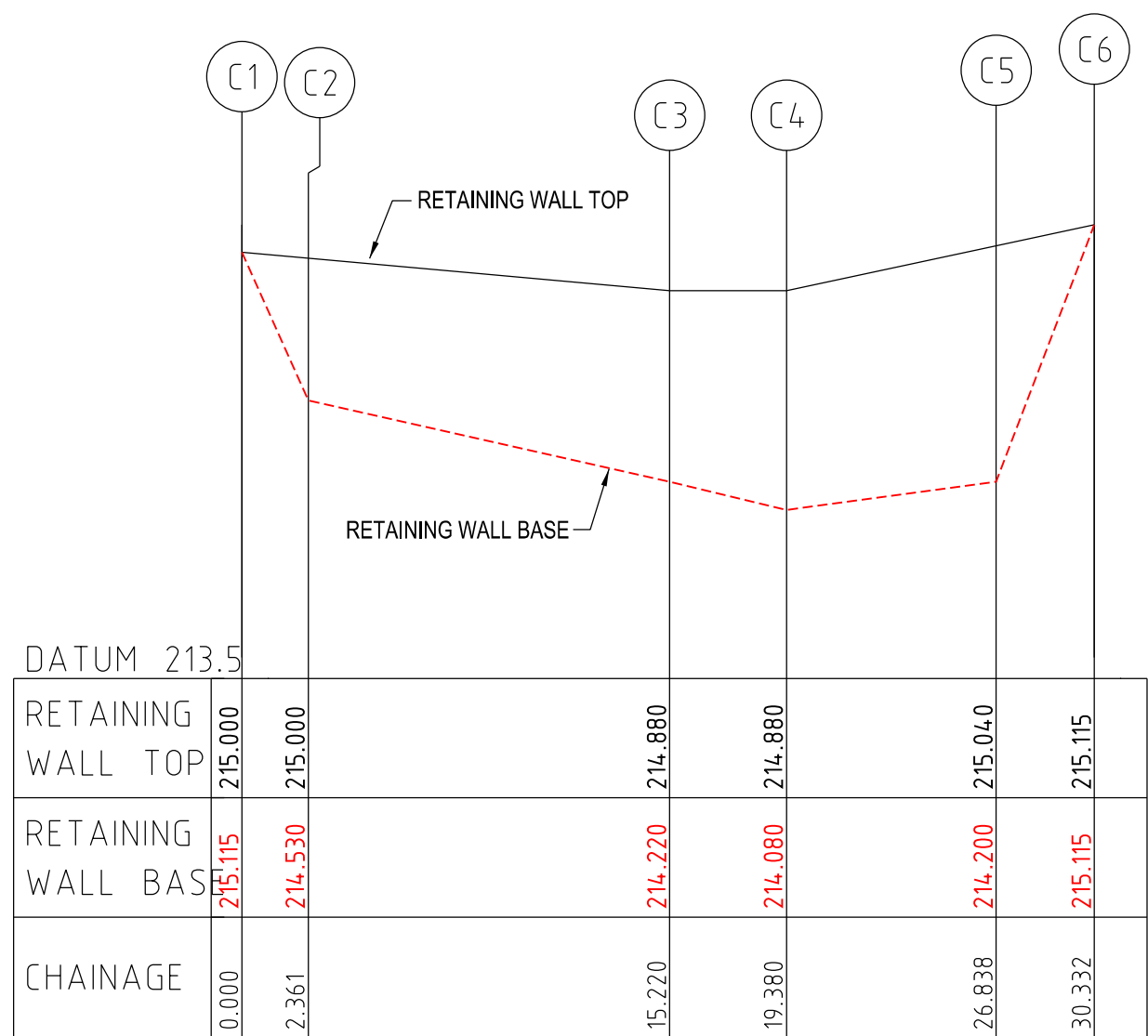
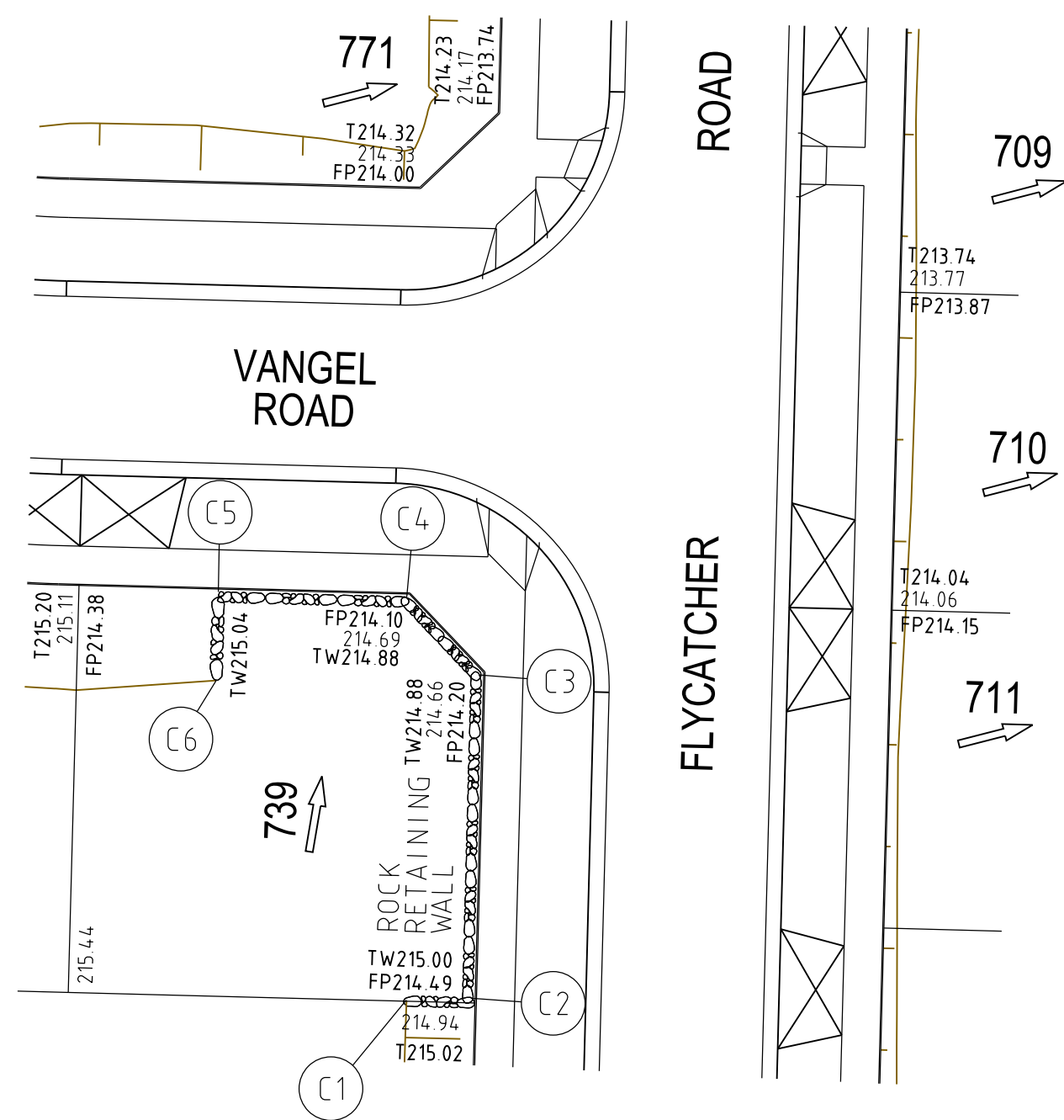
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**REDSTONE ESTATE
STAGE 7
RETAINING WALL DETAILS SHEET 1**

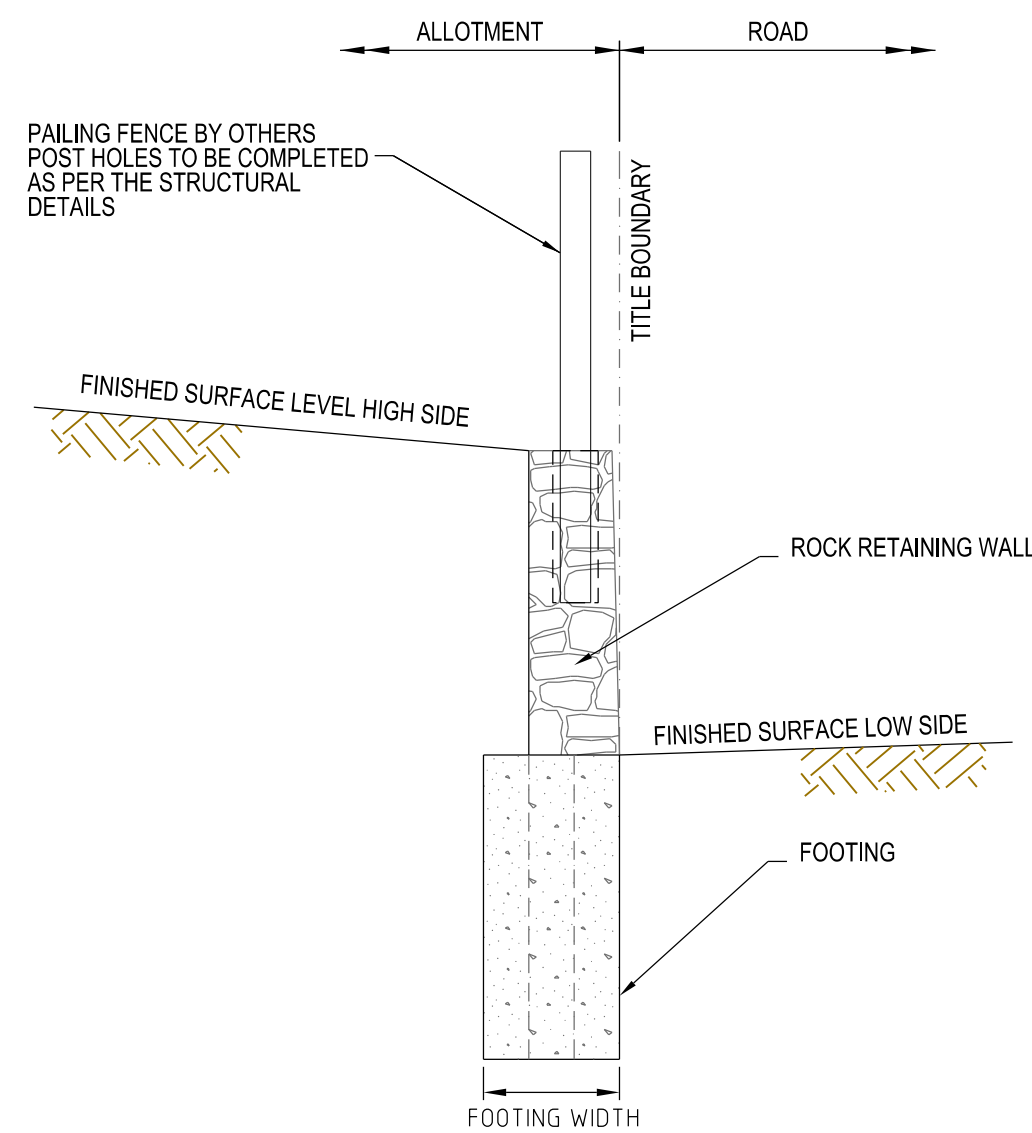
VILLAWOOD PROPERTIES
HUME CITY COUNCIL

AS CONSTRUCTED Drg No
305918R31

Rev
1

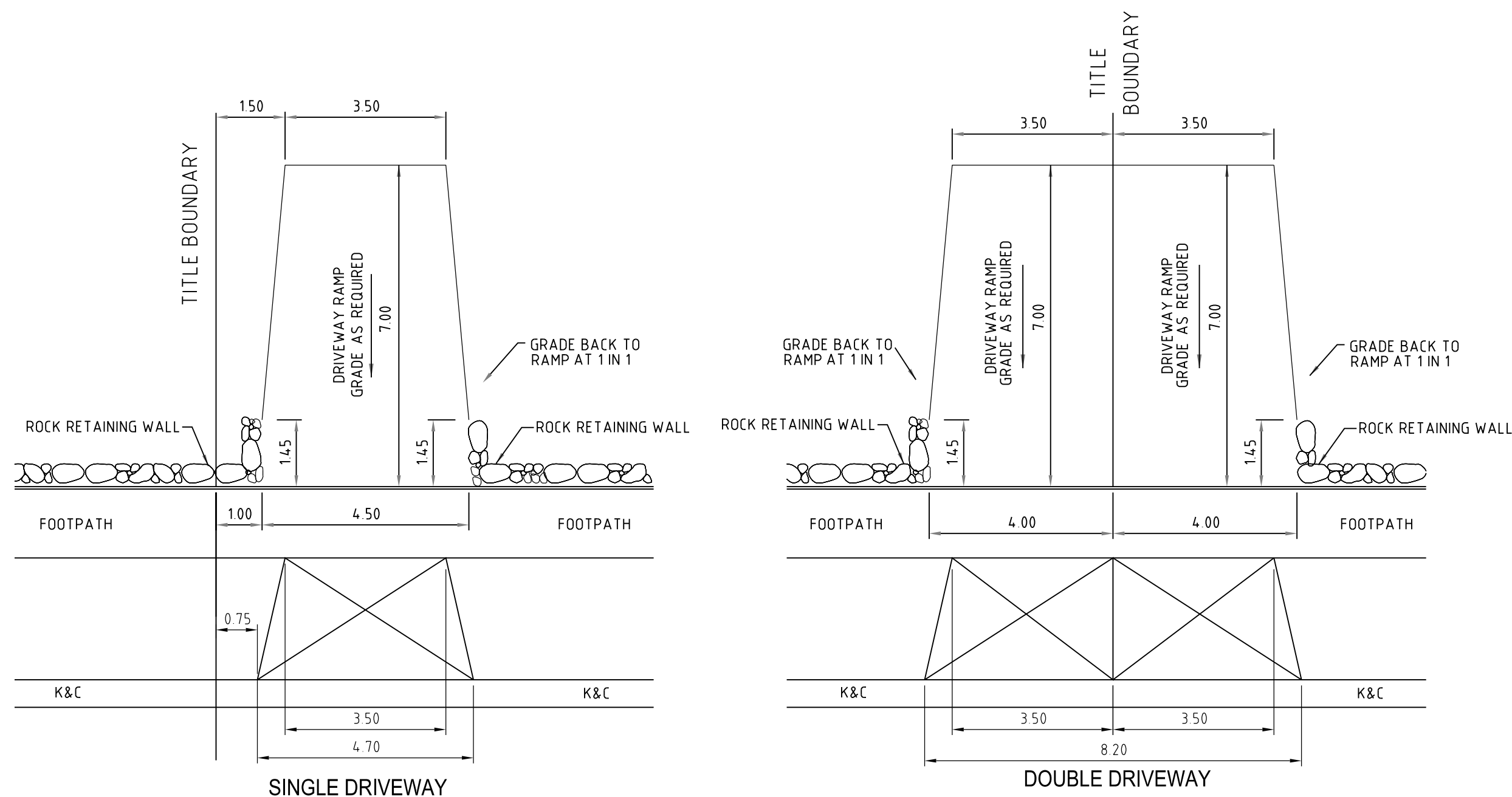


RETAINING WALL C
Hor250
Ver25

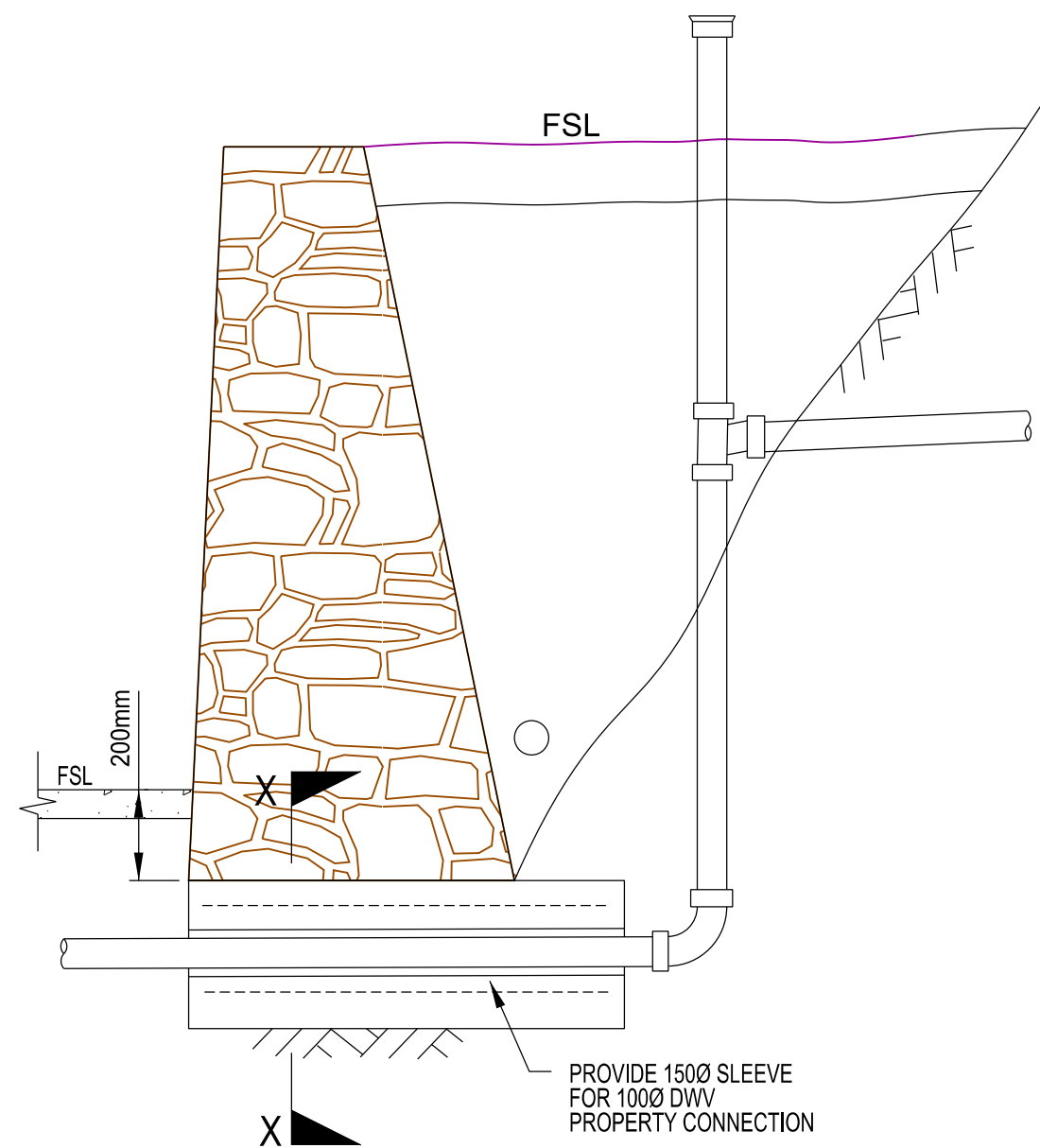


ROCK RETAINING WALL TYPICAL DETAIL
NTS

LEVEL LEGEND
TW215.00 TW = TOP WALL LEVEL
FS214.49 FS = FINISHED SURFACE TITLE BOUNDARY
214.94 EXISTING SURFACE LEVEL
FP214.22 FP = FOOTPATH LEVEL



RETAINING WALL DRIVEWAY DETAILS
NOT TO SCALE

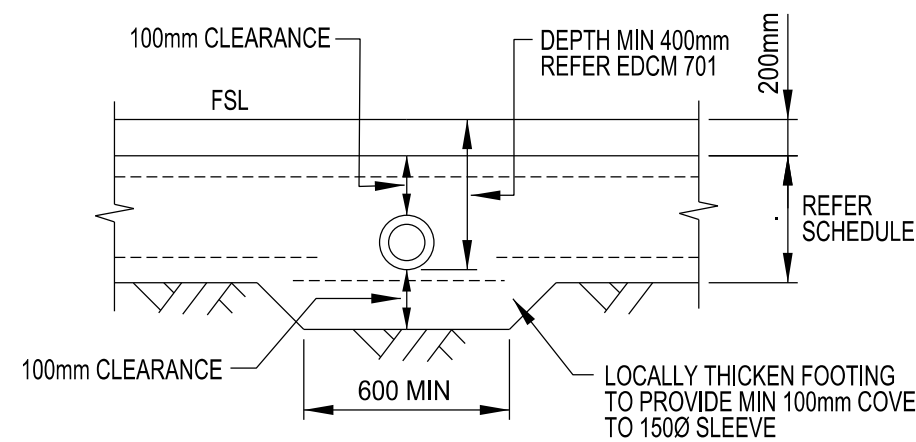


DRAINAGE CONNECTION UNDER ROCK RETAINING WALL
NTS

NOTE:
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TO THE ENGINEERING DRAWINGS.

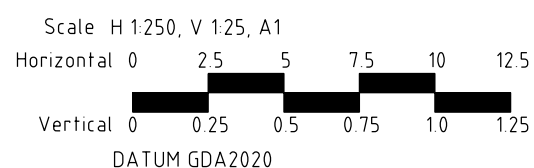
NOTE:
FOR LEVELS OF RETAINING WALLS FRONTING STREETS,
REFER TO RELEVANT ROAD/STREET LONGITUDINAL
SECTIONS.

NOTE:
AG DRAINS BEHIND RETAINING WALLS TO DISCHARGE
INTO PROPERTY DRAINAGE CONNECTIONS.



SECTION X-X
NTS

Rev	Amendments	Approved	Date
1	FINISHED LEVELS UPDATED	M.T.S	1/06/22
0	CONSTRUCTION ISSUE	M.T.S	27/05/22



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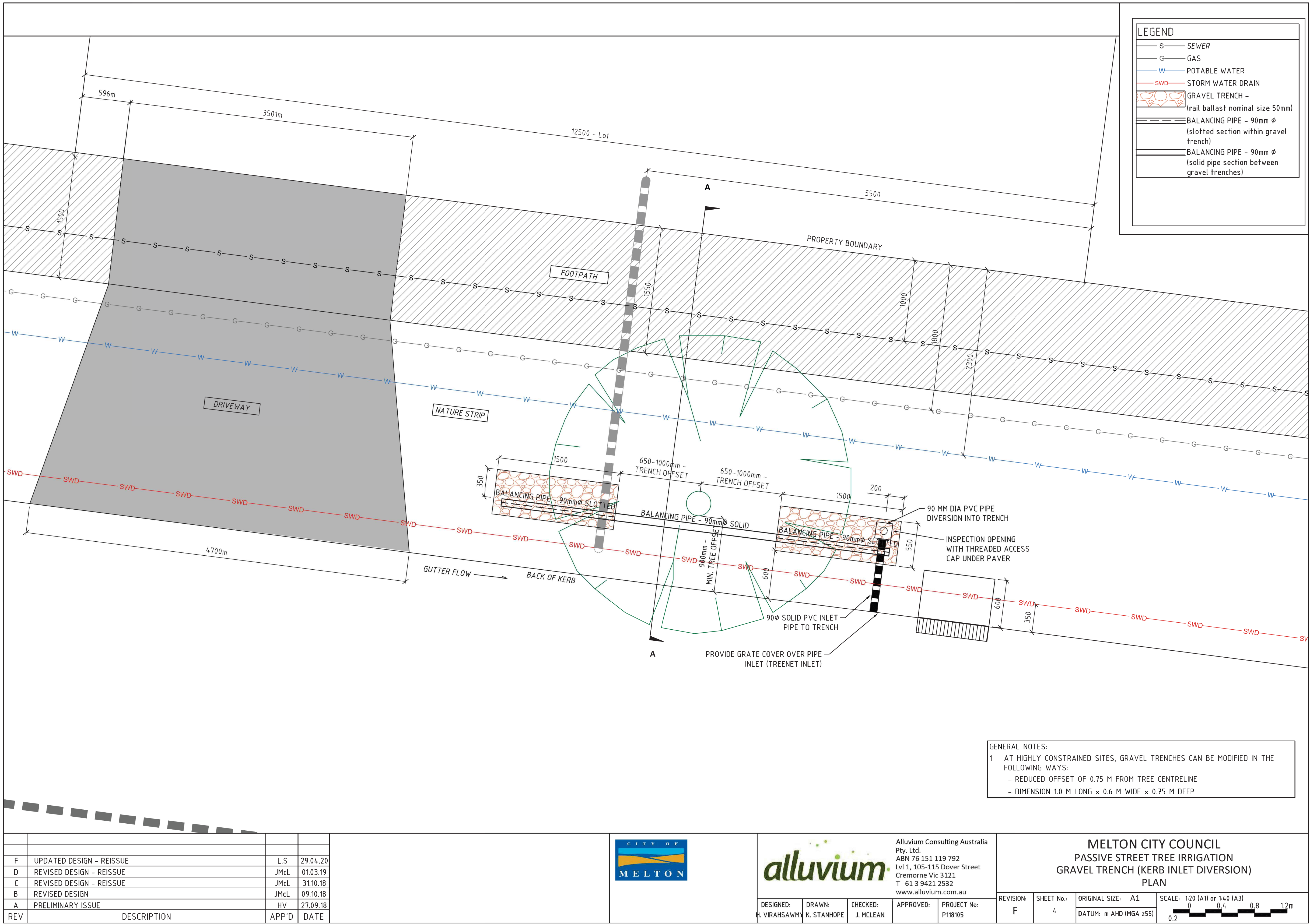
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Date
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**REDSTONE ESTATE
STAGE 7
RETAINING WALL DETAILS SHEET 2**

VILLAWOOD PROPERTIES
HUME CITY COUNCIL
AS CONSTRUCTED Drg No
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Rev
1



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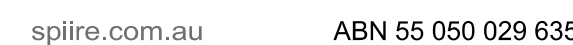
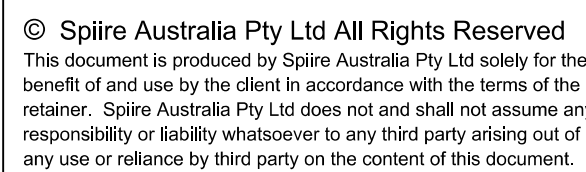
REDSTONE ESTATE
STAGE 7
ROAD AND DRAINAGE
PASSIVE IRRIGATION TYPICAL DETAILS SHEET 1
VILLAWOOD PROPERTIES
HUME CITY COUNCIL

AS CONSTRUCTED

Drg No
305918R33

Rev
0

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
CLASS
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



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