

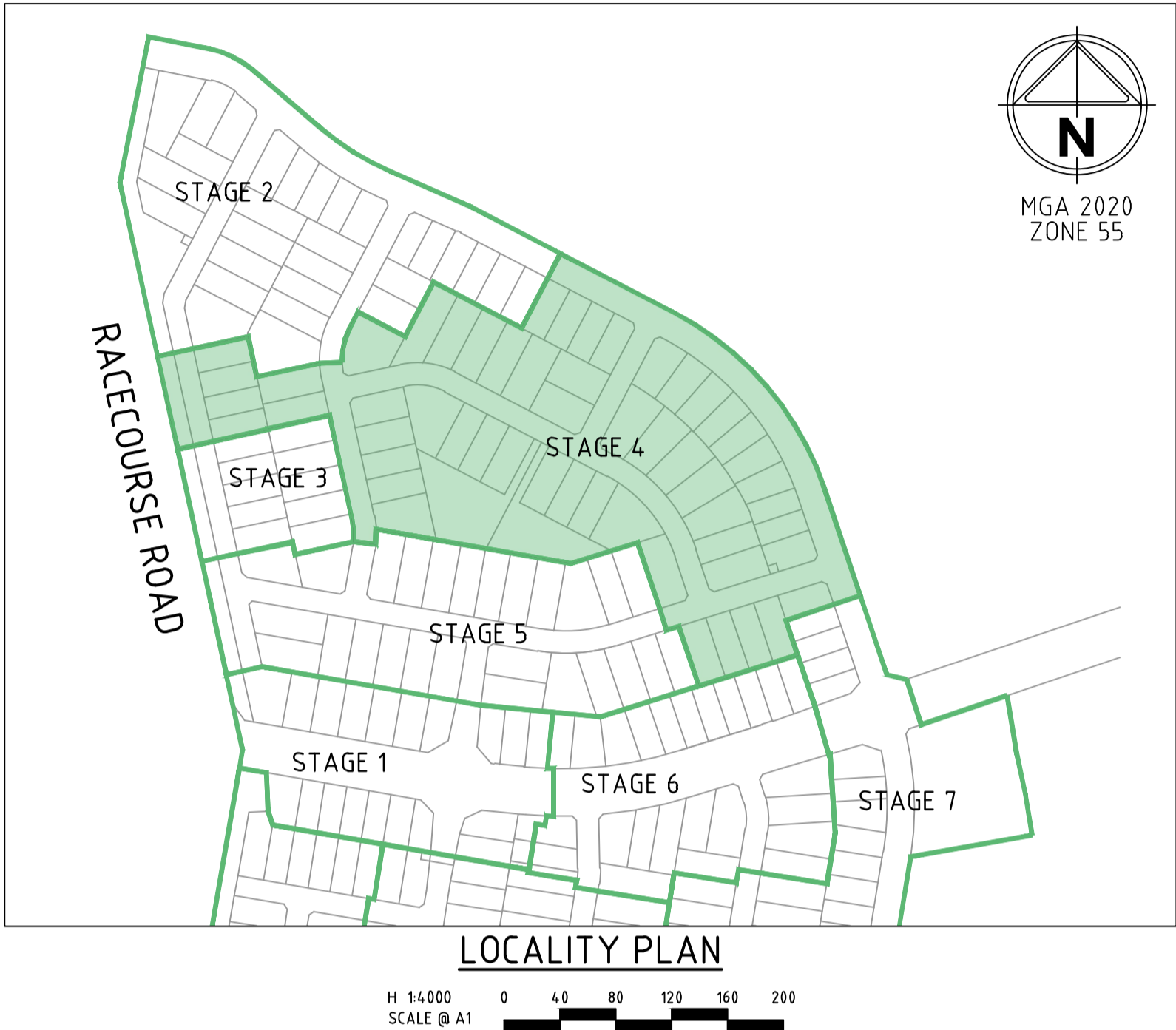
HUME CITY COUNCIL GENERAL NOTES:

1. 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.
2. 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.
3. PRIOR TO COMMENCEMENT OF THE WORKS, THE CONTRACTOR SHALL PROVIDE THE FOLLOWING INFORMATION:
 - a. SOURCE OF QUARRY MATERIAL.
 - b. N.A.T.A. APPROVED TESTS RESULTS FOR THE F.C.R. THAT IS TO BE USED.
 - c. IF THE SOURCE OF THE QUARRY MATERIAL IS CHANGED DURING THE COURSE OF THE WORKS, THEN NEW TEST RESULTS SHALL BE PROVIDED.
4. PRIOR TO COMMENCEMENT OF WORKS ON SITE, THE CONTRACTOR MUST ENSURE THAT ALL MATTERS RELATING TO THE OCCUPATIONAL HEALTH AND SAFETY ACT 2004 AND O.H.S. REGULATIONS 2007 HAVE BEEN AND WILL BE COMPLIED WITH.
5. ON COMMENCEMENT OF CONSTRUCTION WORKS, THE CONTRACTOR MUST COMPLY WITH THE RECOMMENDATIONS OF THE ENVIRONMENT PROTECTION AUTHORITY PUBLICATION "CONSTRUCTION TECHNIQUES FOR SEDIMENT POLLUTION CONTROL." APPROPRIATE SILTATION CONTROL IS TO BE MAINTAINED THROUGHOUT THE CONSTRUCTION AND MAINTENANCE PERIOD OF THE WORKS.
6. THE DISPOSAL SITE FOR SPOIL REMOVAL FROM SITE AND TRUCK ROUTE IS TO BE SUBMITTED TO AND APPROVED BY THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE IN WRITING PRIOR TO THE COMMENCEMENT OF ANY WORKS.
7. WHERE WORKS ARE IN THE VICINITY OF EXISTING SERVICES, THESE SERVICES ARE TO BE LOCATED AND EXPOSED/PROVED PRIOR TO COMMENCEMENT OF WORKS, AND THE RELEVANT AUTHORITIES NOTIFIED SEVEN (7) CLEAR DAYS PRIOR TO THE COMMENCEMENT OF THE WORKS.
8. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
9. ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (A.H.D.).
10. ALL CO-ORDINATES ARE TO HAP GRID OF AUSTRALIA (M.G.A.).
11. THE CONTRACTOR MUST ARRANGE THE REQUISITE INSPECTIONS OF THE WORKS WITH THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE AS PER THE HOLD POINTS IN THE V.P.A. MANUAL AND HUME CITY COUNCIL SPECIFICATIONS.
12. FILL AREAS TO BE STRIPPED OF TOPSOIL, FILLED AND TOPSOIL REPLACED TO OBTAIN FINAL FILL LEVELS AS SHOWN ON PLAN. FILLING IS TO BE CLEAN CLAY COMPACTED TO A DENSITY NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY VALUE DETERMINED BY THE STANDARD COMPACTION TEST IN ACCORDANCE WITH A.S.1289.5.1-2003.
13. FILLING TO COMPLY WITH A S.3798-2007, LEVEL 1 UNLESS SPECIFIED OTHERWISE.
14. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL IMPORTED FILL MATERIAL, INCLUDING TOPSOIL, SATISFIES THE DESCRIPTION FOR CLEAN FILL MATERIAL IN EPA BULLETIN PUBLICATION NO 448 (SEPT '95) AND SUBSEQUENT REVISIONS. THE CONTRACTOR SHALL IF REQUIRED PROVIDE VERIFICATION INCLUDING TEST CERTIFICATES TO THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE.
15. WHERE, AS A CONDITION OF THE PLANNING PERMIT OR AS A RESULT OF THE PRE-CONSTRUCTION MEETING, FENCING OF AREAS CONTAINING TREES, NATIVE GRASSES AND SHRUBS IS REQUIRED, A THREE STRAND STAR PICKET AND WIRE FENCE SHALL BE CONSTRUCTED.
16. NO TREE OR NATIVE VEGETATION IS TO BE DISTURBED OR REMOVED WITHOUT PRIOR APPROVAL FROM COUNCIL'S SUSTAINABLE ENVIRONMENT DEPARTMENT. ANY TREES REMOVED, VEGETATION OR OTHER MATERIALS ARE NOT TO BE BURNED ON SITE.
17. BEFORE COMMENCING WORK ON TRENCHES IN EXCESS OF 15m DEEP, NOTICE OF SUCH PROPOSAL IS TO BE FORWARDED BY THE CONTRACTOR TO WORKSAFE VICTORIA.
18. THE CONTRACTOR IS TO OBTAIN A BUILDING PERMIT FOR ANY STRUCTURES / FENCES AND FOR ANY RETAINING WALLS OVER 1.0m IN HEIGHT.
19. ANY INFRASTRUCTURE DAMAGE DURING THE DEFECTS LIABILITY PERIOD IS THE RESPONSIBILITY OF THE DEVELOPER OR HIS REPRESENTATIVE AND IS TO BE REINSTATE TO THE SATISFACTION OF THE CHIEF EXECUTIVE OFFICER OR HIS REPRESENTATIVE.
20. PRIOR TO STATEMENT OF COMPLIANCE ALL DISTURBED AREAS INCLUDING NATURE STRIPS, BATTERS, ALLOTMENTS WITH GRADES OF 15% AND GREATER, AND RESERVES) ARE TO BE REINSTATE TO A CLEAN, TIDY CONDITION, TOP DRESSED (100MM LOAMY TOP SOIL FREE OF RUBBISH, DEBRIS, CLUMPS, SODS AND CLAY LUMPS), LIGHTLY COMPACTED AND HYDRO MULCHED.
HYDROMULCH AND SEED MIX TO BE:
 - 40KG/HA KIKUYU
 - 200KG/HA TURF TYPE PERENNIAL RYE
 - 100KG/HA CREEPING RED FESCUE
 - 1,500KG/HA OF CELLULOSE FIBRE
 - SOIL BINDER, SPECIFICALLY MANUFACTURED FOR HYDROMULCHING, USED AT MANUFACTURERS RECOMMENDED RATES. (E.G. ORGANIC GAUR TACKIFIERS @ 20 - 30 KG/HA, BASED ON, SITE CONDITIONS).GRASS IS TO BE ESTABLISHED PRIOR TO THE END OF THE MAINTENANCE PERIOD, UNLESS OTHERWISE AGREED IN WRITING.
21. FOOTPATHS ARE TO BE 50mm OFFSET FROM TITLE BOUNDARIES UNLESS NOTED OTHERWISE. VEHICLE CROSSING ALIGNMENTS ARE GENERALLY TO BE PARALLEL TO THE SIDE BOUNDARY.
22. ALL NEW CONCRETE WORKS SHALL BE JOINED INTO ABUTTING EXISTING CONCRETE WITH 450mm LONG Y20 DOWEL BARS @ 600 CENTRES, UNLESS OTHERWISE SPECIFIED.
23. ANY EXPOSED AGGREGATE CONCRETE WORKS TO BE ACHIEVED BY SAND-BLASTING ONLY. WASHING AGGREGATE OFF WITH WATER IS NOT PERMITTED.
24. ALL SERVICE CONDUITS TRENCHES UNDER ROAD PAVEMENTS ARE TO BE BACKFILLED WITH 20mm 3% CEMENT TREATED CLASS 3 CRUSHED ROCK COMPACTED TO A DENSITY NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY VALUE DETERMINED BY THE MODIFIED COMPACTION TEST IN ACCORDANCE WITH A.S.1289.5.1-2003. ALL SERVICE CONDUITS TRENCHES UNDER FOOTPATH, VEHICULAR CROSSINGS, PARKING BAYS AND WITHIN 750MM OF PARKING BAYS TO BE BACKFILLED WITH CLASS 3 CRUSHED ROCK.
25. ALL STORMWATER DRAINS ARE TO BE CLASS 2 R.C. OR RIGID F.R.C. PIPES WITH ADCOL FLEXIBLE COLLARS UNLESS NOTED OTHERWISE. ALL PIPES UP TO AND INCLUDING 750mm DIAMETER ARE TO BE RUBBER RING JOINTED. INTERLOCKING / FLUSH JOINTS WITH EXTERNAL BANDS CAN ONLY BE USED ON PIPE SIZES OVER 750mm DIAMETER.
26. WHERE NEW ASPHALT, CONCRETE KERB & CHANNEL, PATHS AND DRIVEWAYS MATCH INTO EXISTING, THE EXISTING SURFACE IS TO BE SAW CUT AND MATCHED NEATLY.
27. ALL REDUNDANT ASSETS ARE TO BE REMOVED AND DISPOSED OFF SITE.
28. ALL TREES AND SHRUBS ARE TO BE RETAINED UNLESS OTHERWISE SHOWN OR DIRECTED BY THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE.
29. AT THE COMPLETION OF ALL WORKS, ALL RUBBISH, DEBRIS AND SURPLUS SPOIL SHALL BE REMOVED AND THE SITE SHALL BE CLEARED TO THE SATISFACTION OF THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE.
30. ALL DRAINS BEHIND KERB AND CHANNEL SHALL BE BACKFILLED TO MATCH PAVEMENT SUBGRADE LEVEL WITH 20mm CLASS 3 F.C.R. COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY VALUE DETERMINED BY THE MODIFIED COMPACTION TEST IN ACCORDANCE WITH A.S. 1289.5.1-2003. 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.1289.5.1-2003.
31. PAVEMENT DEPTH SPECIFIED IS A MINIMUM DEPTH AND MAY BE VARIED BY THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE. SOFT SPOTS SHALL BE EXCAVATED TO A PROOF ROLLED BASE AND BACKFILLED WITH APPROVED MATERIAL COMPACTED IN 150mm LAYERS TO ACHIEVE TO A DENSITY NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY VALUE DETERMINED BY THE STANDARD COMPACTION TEST IN ACCORDANCE WITH A.S.1289.5.1-2003.

32. ALL EXISTING ASSETS AFFECTED BY THE WORKS; E.G. SIGNS, VEHICLE CROSSINGS, FOOTPATHS, KERB AND LINEMARKING SHALL BE REINSTATE BY THE CONTRACTOR PRIOR TO THE COMPLETION OF THE WORKS TO THE SATISFACTION OF THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE.
33. PRIOR TO THE COMPLETION OF THE WORKS ALL FIRE HYDRANTS ARE TO BE MARKED IN ACCORDANCE WITH "IDENTIFICATION OF STREET HYDRANTS FOR FIREFIGHTING PURPOSES" PUBLICATION (DEVELOPED BY C.F.A. M.F.B. & E.S.B. MARKINGS TO BE BLUE BLUE PAVEMENT MARKER AND A RED TOPPED) WHITE POST.
34. AGRICULTURAL DRAINS ARE TO BE PLACED BEHIND ALL KERB AND CHANNEL, KERB ONLY AND EDGE STRIPS IN ACCORDANCE WITH COUNCIL STANDARD DRAWING SD0202.
35. ALL TABLE SIGNS AND VERTICAL SIGNS ARE TO BE REINSTATED UPON COMPLETION OF WORKS TO THE SATISFACTION OF THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE.
36. ALL TRAFFIC CONTROL MEASURES, SIGNS AND LINEMARKING SHALL BE IN ACCORDANCE WITH A.S.1742 - 1, 2 & 3. STREET NAME SIGNS ARE TO BE IN ACCORDANCE WITH COUNCIL STANDARD DRAWING SD048.
37. ALL LINEMARKING PAINT SHALL BE LONG LIFE TYPE IN ACCORDANCE WITH SECTION 95C OF THE HUME CITY COUNCIL SPECIFICATIONS. LATERAL WORKS AND ARROWS BEING COLD APPLIED PLASTIC TROWELLED INTO PLACE (MATERIAL DEGADUR PASTELINE) AND LONGITUDINAL LINES BEING EXTRUDED THERMOPLASTIC MATERIAL.
38. ALL SIGNS TO BE CLASS 1 HIGH INTENSITY TYPE AND TO COMPLY WITH THE REQUIREMENTS OF A.S.1743 - 2001.
39. HOUSE DRAIN CONNECTIONS TO 150mm DIAMETER PIPES TO BE VIA A MANUFACTURED JUNCTION PIECE. 150mm DIAMETER STORMWATER PIPES ARE TO BE HEAVY DUTY SEWER GRADE. PVC PIPES SHALL BE BACKFILLED WITH 10mm MINUS F.C.R. TO 150mm ABOVE TOP OF PIPE IN ALL LOCATIONS.
40. 100mm HOUSE DRAIN CONNECTIONS TO BE LAID AT AN OFFSET OF 5.5m FROM THE LOW SIDE TITLE BOUNDARY AND PROPERTY INLETS 1.0m FROM THE LOW SIDE OF TITLE BOUNDARY REAR EASEMENTS UNLESS OTHERWISE SHOWN.
41. BLASTING GENERALLY IS NOT ENCOURAGED, HOWEVER BLASTING MAY BE REQUIRED AS A LAST RESORT DEPENDING ON GROUND CONDITIONS. COUNCIL IS TO BE NOTIFIED IN WRITING IF ANY BLASTING IS NECESSARY. RESIDENTS LIKELY TO BE AFFECTED BY THE BLASTING AND ALL SERVICE AUTHORITIES SHALL BE NOTIFIED IN WRITING PRIOR TO WORKS COMMENCING. COPIES OF THESE NOTIFICATIONS ARE TO BE SUBMITTED TO COUNCIL.
RESIDENT NOTIFICATION LETTER IS TO INCLUDE BLASTING GUIDELINES, FIRING AND MISFIRE PROCEDURES AND CONTROL ZONE AND CONSULTANT CONTACT NAMES AND PHONE NUMBERS.
42. ALL BLASTING IS TO BE WITHIN THE LIMITS FOR AIR AND GROUND VIBRATION LEVELS AS SET DOWN IN A.S.2187.2-1993. ALL BLASTS SHALL BE MONITORED FOR AIR AND NOISE VIBRATION AT POTENTIALLY AFFECTED RESIDENCES. "FORM A" FROM A.S. 2187.2-1993, AND WAVE TRACE COPIES ARE TO BE SUBMITTED TO COUNCIL FOR EACH BLAST.
BLASTING IS TO BE RESTRICTED TO BETWEEN 9:00am AND 3:30pm.
BLASTING IS NOT TO OCCUR ON WEEKENDS OR PUBLIC HOLIDAYS.
BLASTING AREA SIGNS ARE TO BE PLACED AT ALL ENTRANCES TO THE SITE.
42. FENCING TO BE PROVIDED ALONG LOT BOUNDARIES ABUTTING RESERVES TO THE SATISFACTION OF THE RESPONSIBLE AUTHORITY.
43. WHERE SODIC SOILS ARE ENCOUNTERED, SODIC SOIL INVESTIGATIONS SHOULD BE CARRIED OUT BY A QUALIFIED SOIL SCIENTIST AND THE RECOMMENDATIONS OF THE REPORT SHOULD BE APPLIED DURING ROAD & DRAINAGE DESIGN AND CONSTRUCTION.

SPIIRE GENERAL NOTES:

4. ALL EXISTING SURFACE LEVELS SHOWN ON THE ENGINEERING DRAWINGS ARE TO BE 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 $\pm 0.05\text{m}$.
45. ANY EXISTING SERVICES SHOWN ON THESE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT.
46. WHERE REQUIRED ANY BUILDINGS, TROUGHS, FENCES AND OTHER STRUCTURES ON SITE ARE TO BE REMOVED AS DIRECTED BY THE ENGINEER. THE COST OF REMOVAL IS TO BE INCLUDED IN THE OVERALL EARTHWORKS FIGURE UNLESS A SPECIFIC ITEM FOR REMOVAL IS DENOTED IN THE SCHEDULE.
47. ALL FILLING ON LOTS AND WITHIN ROAD RESERVES GREATER THAN 200mm IS TO BE UNDERTAKEN USING LEVEL 1 SUPERVISION AND BE COMPLETED IN ACCORDANCE WITH A S.3798-2007. FILLING MATERIAL IS TO BE IN ACCORDANCE WITH THE SPECIFICATION, A.S.3798-2007 & TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT.
48. ALL BATTERS SHALL BE 1 IN 6, UNLESS OTHERWISE SHOWN.
49. NO FILL OR STOCKPILING OF MATERIAL IS TO BE PLACED ON ANY RESERVE FOR PUBLIC OPEN SPACE UNLESS OTHERWISE DIRECTED OR APPROVED BY THE SUPERINTENDENT.
50. T.B.M.'S TO BE RE-ESTABLISHED BY THE LICENSED SURVEYOR IF FOUND TO BE MISSING AT THE COMMENCEMENT OF CONSTRUCTION THE CONTRACTOR WILL BE RESPONSIBLE FOR CARE AND MAINTENANCE OF T.B.M.'S THEREAFTER.
51. AT LEAST THREE (3) DAYS PRIOR TO COMMENCING WORK ON EXCAVATIONS IN EXCESS OF 150m deep, A NOTIFICATION FORM MUST BE SENT TO WORKSAFE. THE CONTRACTOR IS TO COMPLY WITH WORKSAFE, THE MINES (TRENCHES) REGULATION 1982, THE MINES ACT 1958 AND OCCUPATIONAL HEALTH AND SAFETY ACT 1985, 2004.
52. WHERE REQUIRED, ALL EXISTING DAMS, DEPRESSIONS AND DRAINS ARE TO BE BREACHED, DRAINED, DE-SLUGGED 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.
53. GAS AND WATER CONDUITS SIZES ARE AS FOLLOWS:
Ø50mm CLASS 12 P.V.C. - SINGLE SERVICE
Ø100mm CLASS 12 P.V.C. - DUAL SERVICE (DRINKING AND NON DRINKING WATER)
WITH THE FOLLOWING MINIMUM COVER TO FINISHED SURFACE LEVELS:
ROAD PAVEMENT - 0.80m
VERGE & FOOTPATHS - 0.45m
54. A.G. / SUBSOIL DRAIN TO BE LAID BEHIND KERB & CHANNEL, KERB ONLY AND EDGE STRIPS WHERE REQUIRED IN ACCORDANCE WITH THE HUME CITY COUNCIL STANDARD DRAWING SD282 AND CONNECTED TO UNDERGROUND DRAINAGE.
55. CENTRE LINES OF ALL EASEMENT DRAINS ARE OFFSET 100m OR 2.2m (WHERE OUTSIDE OF SEWER) FROM THE PROPERTY LINE UNLESS SHOWN OTHERWISE.
56. WHERE CURVED PIPE ALIGNMENTS ARE SHOWN ON THE FACE PLANS THEY ARE TO BE LAID PARALLEL TO THE BACK OF KERB EXCEPT WHERE A RADIUS HAS BEEN SPECIFICALLY NOMINATED. CURVED PIPES ARE TO BE APPROVED BY COUNCIL AND IN AGREEMENT WITH THE MANUFACTURERS SPECIFICATIONS.
57. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH AS2124-1992 GENERAL CONDITIONS OF CONTRACT.
58. TELSTRA IS TO BE NOTIFIED 7 DAYS PRIOR TO PLACEMENT OF CONCRETE WORKS.
59. PAVEMENT DEPTHS MAY BE MODIFIED AS DIRECTED BY THE SUPERINTENDENT. PAVEMENT TO BE BOXED OUT TO MINIMUM DEPTH DENOTED, INSPECTED AND IF SUBGRADE IS IN QUESTION, FURTHER TESTING CARRIED OUT TO DETERMINE FINAL PAVEMENT DEPTH.
60. WHERE PAVEMENT IS CONSTRUCTED ON FILLING, FILL MATERIAL IS TO BE APPROVED BY THE SUPERINTENDENT AND COUNCIL. FILLING TO BE CONSTRUCTED IN LAYERS 150mm THICK WITH COMPACTION ACHIEVING 95% AUSTRALIAN STANDARD DENSITY.
61. WHEN PAVEMENT EXCAVATION IS IN ROCK, ALL LOOSE MATERIAL (INCLUDING ROCKS AND CLAY) MUST BE REMOVED. THE SUB-GRADE MUST THEN BE REGULATED WITH COUNCIL APPROVED MATERIAL.
62. ALL TEMPORARY WARNING SIGNS USED DURING CONSTRUCTION SHALL BE SUPPLIED AND MAINTAINED IN ACCORDANCE WITH A.S.1742-3.
63. THE CONTRACTOR IS REQUIRED TO OBTAIN A 'PERMIT TO WORK' FROM MELBOURNE WATER'S SURVEILLANCE OFFICER AT THE PRE-COMMENCEMENT MEETING. THE CONTRACTOR IS REQUIRED TO ENSURE THAT THE 'PERMIT TO WORK' IS KEPT UP TO DATE FOR THE DURATION OF THE CONTRACT.
64. CONTRACTOR TO ENSURE SEWER MANHOLES ARE WHOLLY LOCATED IN PROPOSED FOOTPATHS.



DRAWING SCHEDULE

DRAWING	DESCRIPTION	SHEET No.	REVISION
CR100	FACE SHEET	1	B
CR200-201	FACE PLAN	2-4	B
CR202-203	SERVICES PLAN	5-7	B
CR300-305	ROAD LONG SECTIONS	8-13	B
CR400-407	ROAD CROSS SECTIONS	14-21	B
CR500-502	INTERSECTION DETAILS	22-25	B
CR600-608	DRAINAGE LONG SECTIONS	26-34	B
CR700	PAVEMENT AND TYPICAL DETAILS	35	B
CR701-702	PASSIVE IRRIGATION TYPICAL DETAIL	36-37	B
CR800-801	SIGNAGE AND LINEMARKING	38-39	B
CR900-904	RETAINING WALL	40-45	B

LEGEND

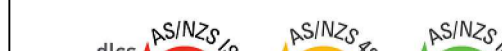
DESCRIPTION	EXISTING	PROPOSED
WATER MAIN, VALVE AND HYDRANT		
WATER RECYCLED		
UNDERGROUND ELECTRICITY		
OPTIC FIBRE		
GAS MAIN		
SEWER & MAINTENANCE STRUCTURE		
CENTRAL INVERT		
COUNCIL STORMWATER DRAIN AND PIT		
STORM WATER DRAINAGE PROPERTY INLETS		
COUNCIL STORM WATER PITS		
HOUSE DRAIN		
AG DRAIN AND FLUSHER		
STORM WATER DRAINAGE PIT NUMBER		
GAS & WATER CONDUITS		
CONCRETE VEHICLE CROSSING		
SURFACE CONTOUR MINOR		
SURFACE CONTOUR MAJOR		
SURFACE LEVEL		
BATTER LEVEL (TOP / TOE)		
RETAINING WALL LEVEL (TOP/BOTTOM)		
EARTHWORKS GRADE		
SIGN AND POST		
STREET SIGN		
PERMANENT SURVEY MARK		
TEMPORARY BENCH MARK		
ROAD CHAINAGES		
LOT CHAINAGES		
SETOUT POINT		
LIMIT OF WORKS		
BATTER		
EXCAVATION GREATER THAN 0.20m		
FILLING GREATER THAN 0.20m		
ROCK BEACHING		
FENCES		
TEMPORARY FENCES		
GUARD RAIL		
TREE (& SURVEYED CANOPY) TO BE RETAINED		
TREE TO BE REMOVED		
VEGETATION LINE		
FOOTPATH/SHARED PATH		
KERB TRANSITION		
SAWCUT		
BOLLARD		
ROCK RETAINING WALL		
SLEEPER RETAINING WALL		
CONSERVATION AREA		

WARNING


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

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 file location: G:\30\305948\Civil\ACAD plot date: 15/11/2021 4:03 PM Sheet 1 of 45 Sheets

B	AMENDED AS PER COUNCIL COMMENTS	M.T-S	15/11/21
A	ISSUED TO COUNCIL	M.T-S	11/05/21
Rev	Amendments	Approved	Date

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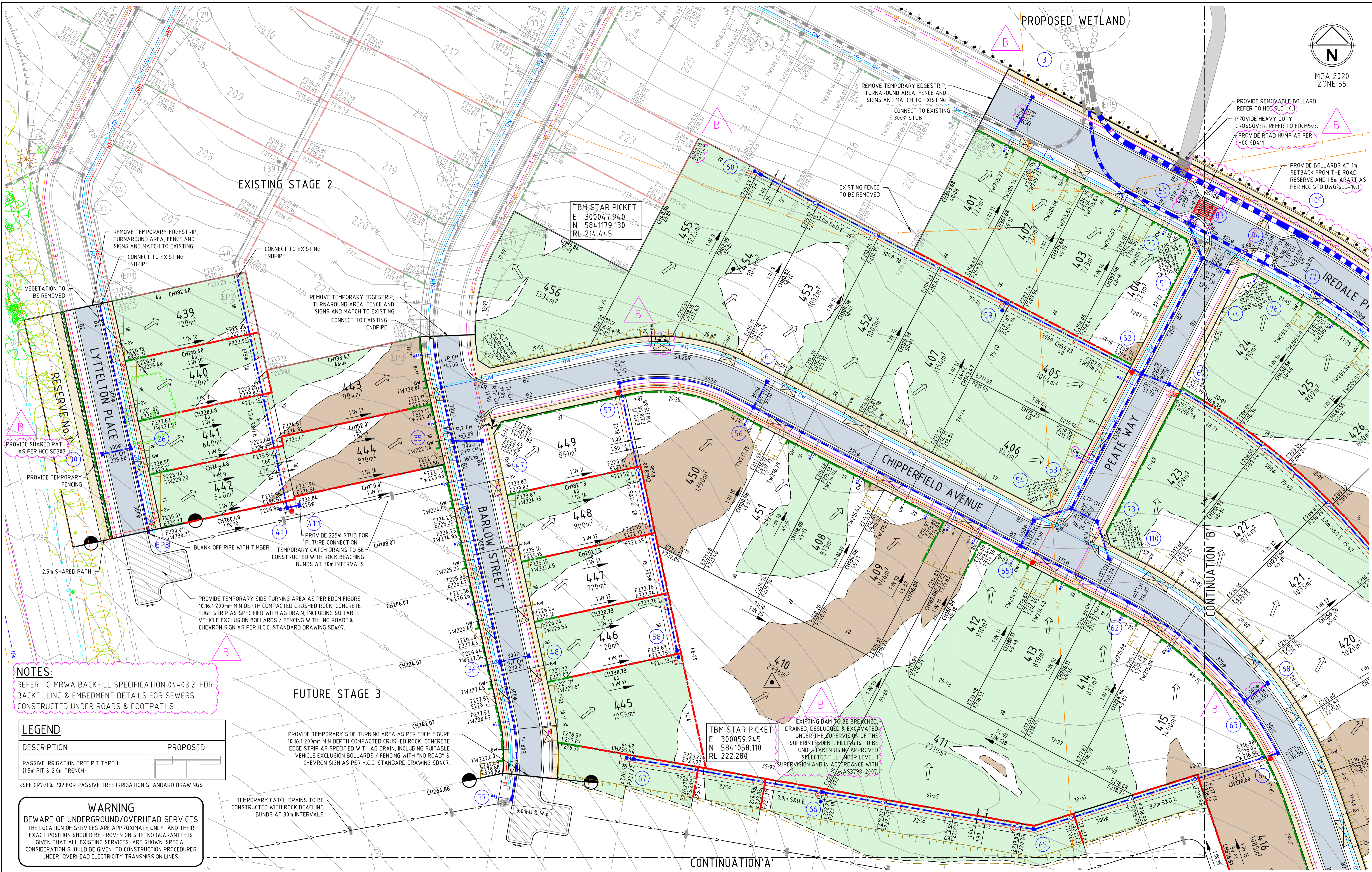

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Designed	Checked
L. TRAN	J. KOEHLER
Authorised	Date
M. TOOMER-SMITH	

SHERWOOD GRANGE
STAGE 4
ROAD AND DRAINAGE
FACE SHEET
HUME CITY COUNCIL
RACECOURSE ROAD HOLDING PTY LTD

PRELIMINARY Drg No 305948CR100 Rev **B**

file name: 305948CR200.dwg, layout name: CR200, plotted by: Lilia Tran, file location: G:\305948\305948.dwg, ALAD plot date: 15/11/2021, 1:04 PM, Sheet 2 of 45 Sheets



NOTES:
REFER TO MRWA BACKFILL SPECIFICATION 04-03.2. FOR BACKFILLING & EMBEDMENT DETAILS FOR SEWERS CONSTRUCTED UNDER ROADS & FOOTPATHS.

LEGEND	
DESCRIPTION	PROPOSED
PASSIVE IRRIGATION TREE PIT TYPE 1 (1.5m PIT & 2.0m TRENCH)	
*SEE CR701 & 702 FOR PASSIVE TREE IRRIGATION STANDARD DRAWINGS	

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FUTURE STAGE 3

PROVIDE TEMPORARY SIDE TURNING AREA AS PER EDMC FIGURE 10.16.1 200mm MIN DEPTH COMPACTED CRUSHED ROCK, CONCRETE EDGE STRIP AS SPECIFIED WITH AG DRAIN, INCLUDING SUITABLE VEHICLE EXCLUSION BOLLARDS / FENCING WITH "NO ROAD" & CHEVRON SIGN AS PER H.C.C. STANDARD DRAWING SD407.

TEMPORARY CATCH DRAINS TO BE CONSTRUCTED WITH ROCK BEACHING BUNDS AT 30m INTERVALS

TBM STAR PICKET
E 300047.940
N 5841179.130
RL 214.445

TBM STAR PICKET
E 300059.245
N 5841058.110
RL 222.280

EXISTING DAM TO BE BREACHED, DRAINED, DESLUDGED & EXCAVATED UNDER THE SUPERVISION OF THE SUPERINTENDENT. FILLING IS TO BE UNDERTAKEN USING APPROVED SELECTED FILL UNDER LEVEL 1 SUPERVISION AND IN ACCORDANCE WITH AS3798-2007.



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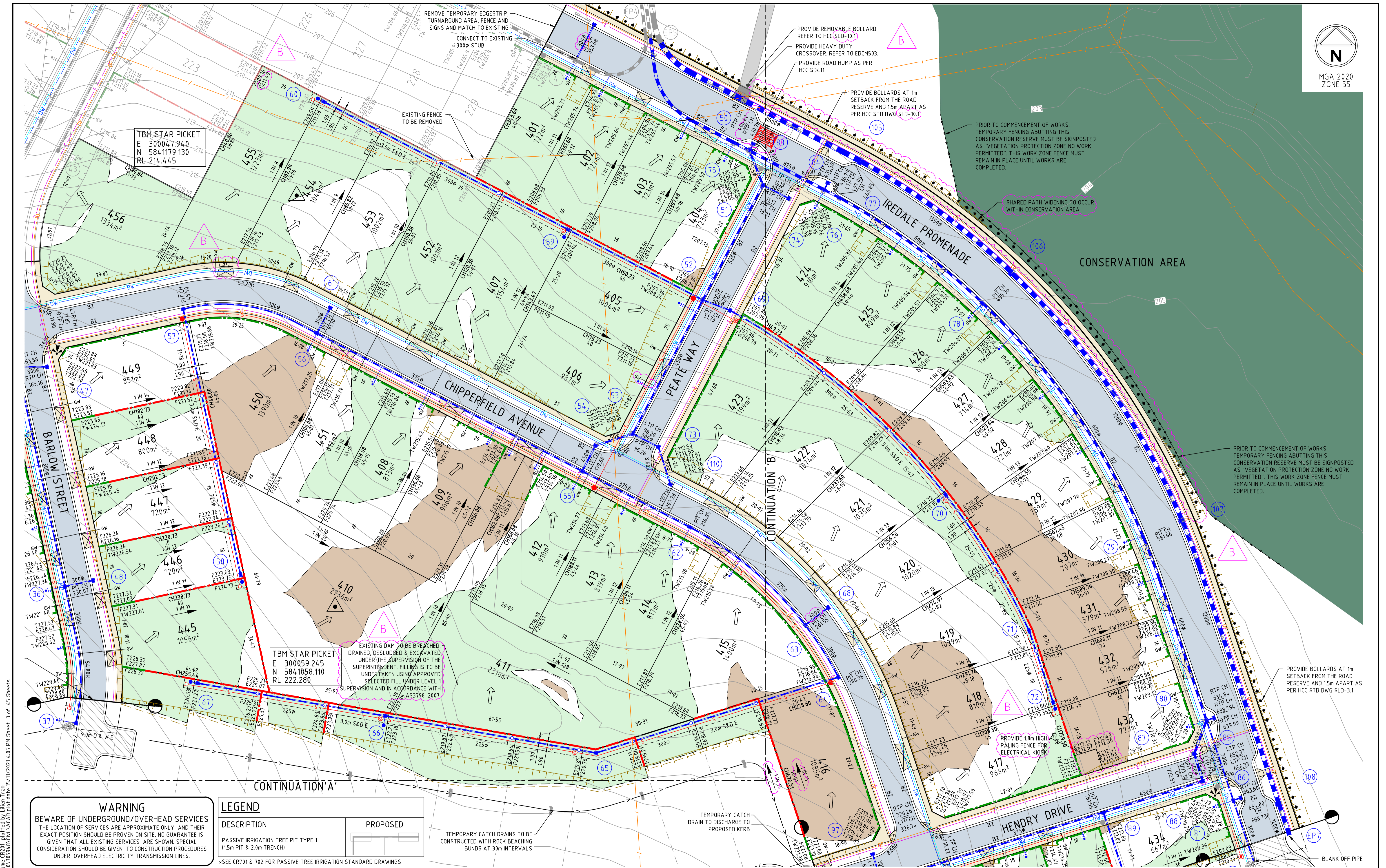
Sherwood Grange

Designed
L. TRAN
Authorised
M. TOOMER-SMITH

Checked
J. KOEHLER
Date

SHERWOOD GRANGE
STAGE 4
ROAD AND DRAINAGE
FACE PLAN - SHEET 1 OF 3
HUME CITY COUNCIL
RACECOURSE ROAD HOLDING PTY LTD

PRELIMINARY Drg No **305948CR200** Rev **B**



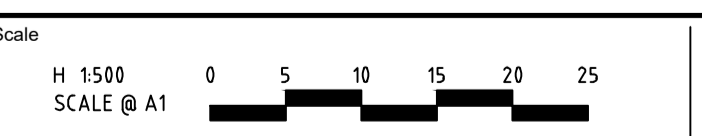
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LEGEND	
DESCRIPTION	PROPOSED
PASSIVE IRRIGATION TREE PIT TYPE 1 (1.5m PIT & 2.0m TRENCH)	
*SEE CR701 & 702 FOR PASSIVE TREE IRRIGATION STANDARD DRAWINGS	

TEMPORARY CATCH DRAINS TO BE CONSTRUCTED WITH ROCK BEACHING BUNDS AT 30m INTERVALS

Rev	Amendments	Approved	Date
B	NOTES & RAISED PAVEMENT ADDED	M.T-S	15/11/21
A	ISSUED TO COUNCIL	M.T-S	11/05/21



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Sherwood Grange
Designed
L. TRAN
Authorised
M. TOOMER-SMITH
Checked
J. KOEHLER
Date

**SHERWOOD GRANGE
STAGE 4
ROAD AND DRAINAGE
FACE PLAN - SHEET 2 OF 3
HUME CITY COUNCIL
RACECOURSE ROAD HOLDING PTY LTD**
PRELIMINARY Drg No 305948CR201 Rev B



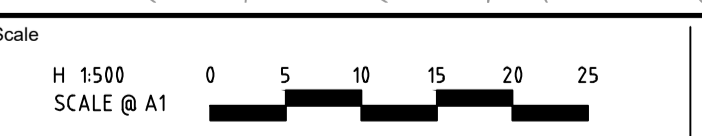
TBM STAR PICKET
E 300059.245
N 584.1058.110
RL 222.280

EXISTING DAM TO BE BREACHED,
DRAINED, DESLUDGED & EXCAVATED
UNDER THE SUPERVISION OF THE
SUPERINTENDENT. FILLING IS TO BE
UNDERTAKEN USING APPROVED
SELECTED FILL UNDER LEVEL 1
SUPERVISION AND IN ACCORDANCE WITH
AS 53798-2007.

LEGEND	
DESCRIPTION	PROPOSED
PASSIVE IRRIGATION TREE PIT TYPE 1 (1.5m PIT & 2.0m TRENCH)	
*SEE CR701 & 702 FOR PASSIVE TREE IRRIGATION STANDARD DRAWINGS	

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
B	NOTES ADDED & LOT GRADE ARROWS AMENDED	M.T-S	15/11/21
A	ISSUED TO COUNCIL	M.T-S	11/05/21



AS/NZS 1546
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AS/NZS 1546

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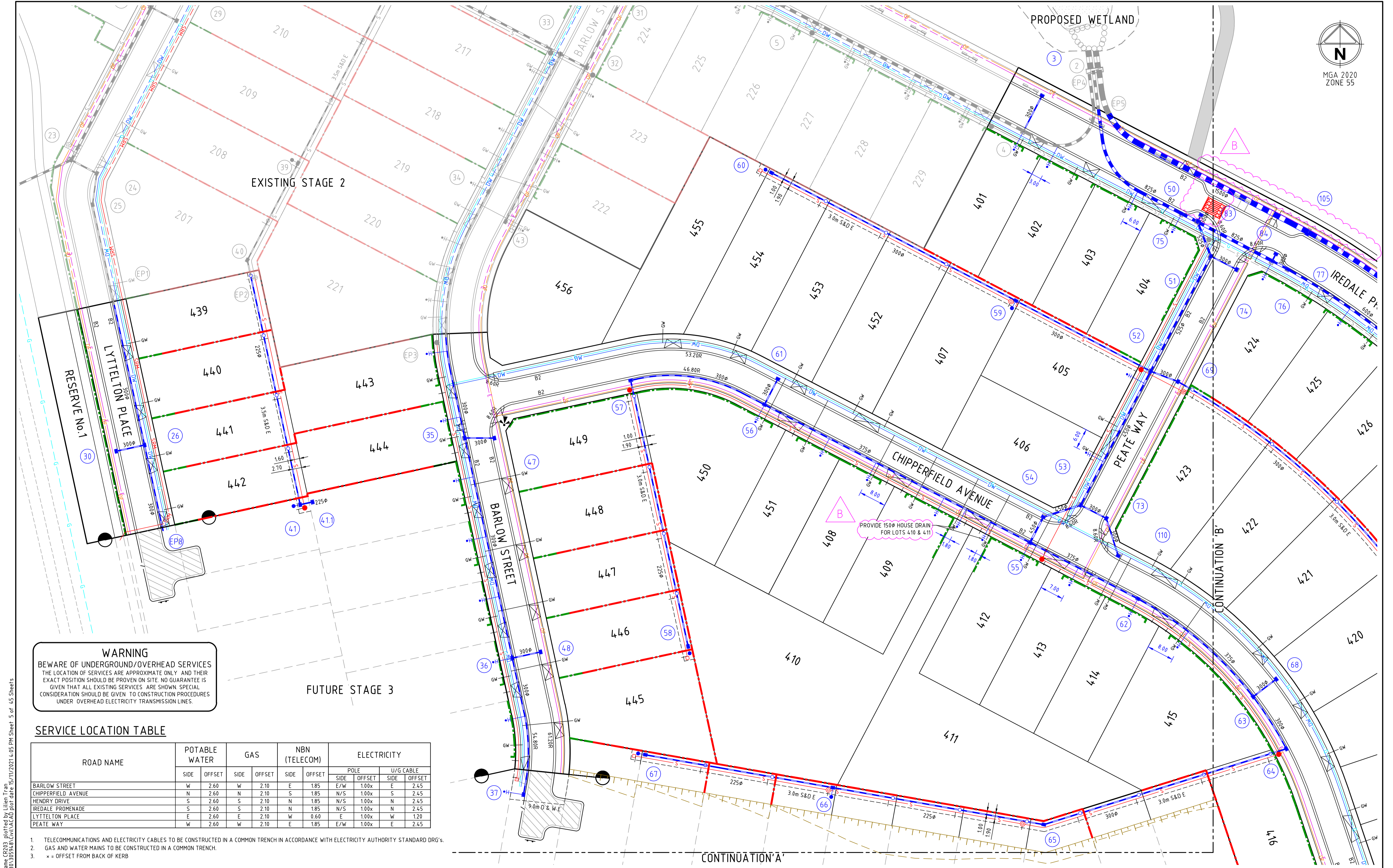
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Designed L. TRAN	Checked J. KOEHLER
Authorised M. TOOMER-SMITH	Date

**SHERWOOD GRANGE
STAGE 4
ROAD AND DRAINAGE
FACE PLAN - SHEET 3 OF 3**
HUME CITY COUNCIL
RACECOURSE ROAD HOLDING PTY LTD

PRELIMINARY Drg No **305948CR202** Rev **B**



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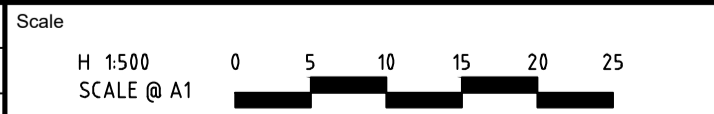
SERVICE LOCATION TABLE

ROAD NAME	POTABLE WATER		GAS		NBN (TELECOM)		ELECTRICITY			
	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	POLE SIDE	POLE OFFSET	U/G CABLE SIDE	U/G CABLE OFFSET
BARLOW STREET	W	2.60	W	2.10	E	1.85	E/W	1.00x	E	2.45
CHIPPERFIELD AVENUE	N	2.60	N	2.10	S	1.85	N/S	1.00x	S	2.45
HENDRY DRIVE	S	2.60	S	2.10	N	1.85	N/S	1.00x	N	2.45
IREDALE PROMENADE	S	2.60	S	2.10	N	1.85	N/S	1.00x	N	2.45
LYTTELTON PLACE	E	2.60	E	2.10	W	0.60	E	1.00x	W	1.20
PEATE WAY	W	2.60	W	2.10	E	1.85	E/W	1.00x	E	2.45

- TELECOMMUNICATIONS AND ELECTRICITY CABLES TO BE CONSTRUCTED IN A COMMON TRENCH IN ACCORDANCE WITH ELECTRICITY AUTHORITY STANDARD DRG's.
- GAS AND WATER MAINS TO BE CONSTRUCTED IN A COMMON TRENCH.
- * = OFFSET FROM BACK OF KERB

file name: 305948CR203.dwg; layout name: CR203; plotted by: Lilia Tran; file location: \\spiremedia\data\305948\305948.dwg; plot date: 15/11/2021 4:05 PM; Sheet: 5 of 45 Sheets

B	NOTE & RAISED PAVEMENT ADDED		M.T-S	15/11/21	
A	ISSUED TO COUNCIL		M.T-S	11/05/21	
Rev	Amendments		Approved	Date	



AS/NZS 1546:2004
AS/NZS 1546:2004
AS/NZS 1546:2004

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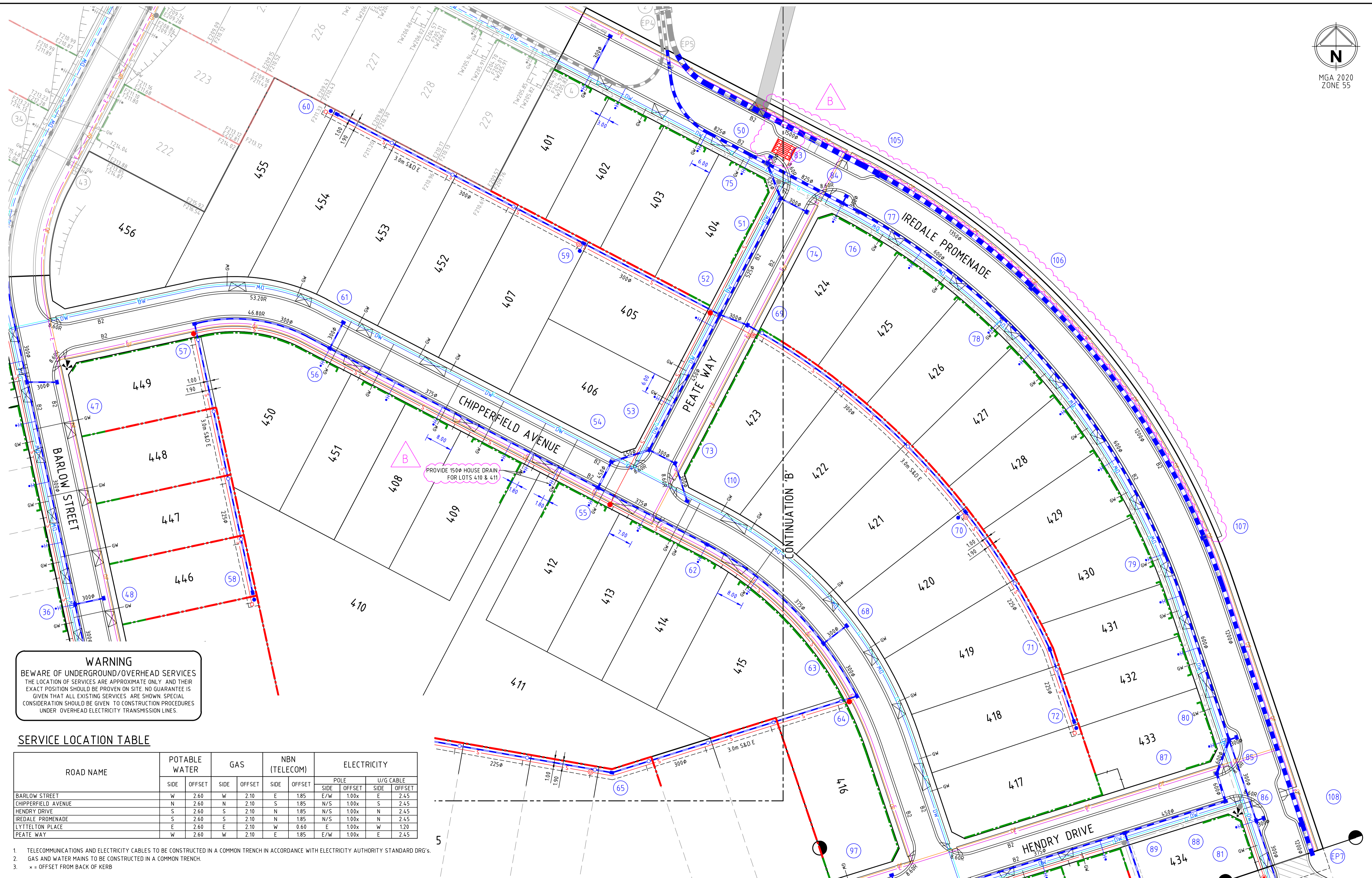


Designed
L. TRAN
Authorised
M. TOOMER-SMITH

Checked
J. KOEHLER
Date

SHERWOOD GRANGE
STAGE 4
ROAD AND DRAINAGE
SERVICES PLAN - SHEET 1 OF 3
HUME CITY COUNCIL
RACECOURSE ROAD HOLDING PTY LTD

PRELIMINARY Drg No **305948CR203** Rev **B**



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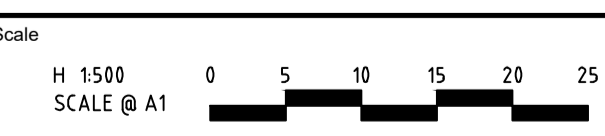
SERVICE LOCATION TABLE

ROAD NAME	POTABLE WATER		GAS		NBN (TELECOM)		ELECTRICITY			
	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	POLE SIDE	POLE OFFSET	U/G CABLE SIDE	U/G CABLE OFFSET
BARLOW STREET	W	2.60	W	2.10	E	1.85	E/W	1.00x	E	2.45
CHIPPERFIELD AVENUE	N	2.60	N	2.10	S	1.85	N/S	1.00x	S	2.45
HENDRY DRIVE	S	2.60	S	2.10	N	1.85	N/S	1.00x	N	2.45
IREDALE PROMENADE	S	2.60	S	2.10	N	1.85	N/S	1.00x	N	2.45
LYTTLETON PLACE	E	2.60	E	2.10	W	0.60	E	1.00x	W	1.20
PEATE WAY	W	2.60	W	2.10	E	1.85	E/W	1.00x	E	2.45

- TELECOMMUNICATIONS AND ELECTRICITY CABLES TO BE CONSTRUCTED IN A COMMON TRENCH IN ACCORDANCE WITH ELECTRICITY AUTHORITY STANDARD DRG'S.
- GAS AND WATER MAINS TO BE CONSTRUCTED IN A COMMON TRENCH.
- * = OFFSET FROM BACK OF KERB

file name: 305948CR204.dwg, layout name: CR204, plotted by: Lilia Tran, file location: G:\305948\305948.dwg, IACAD plot date: 15/11/2021, L407 PH Sheet 6 of 45 Sheets

Rev	Amendments	Approved	Date
B	NOTE & RAISED PAVEMENT ADDED		M.T-S 15/11/21
A	ISSUED TO COUNCIL		M.T-S 11/05/21



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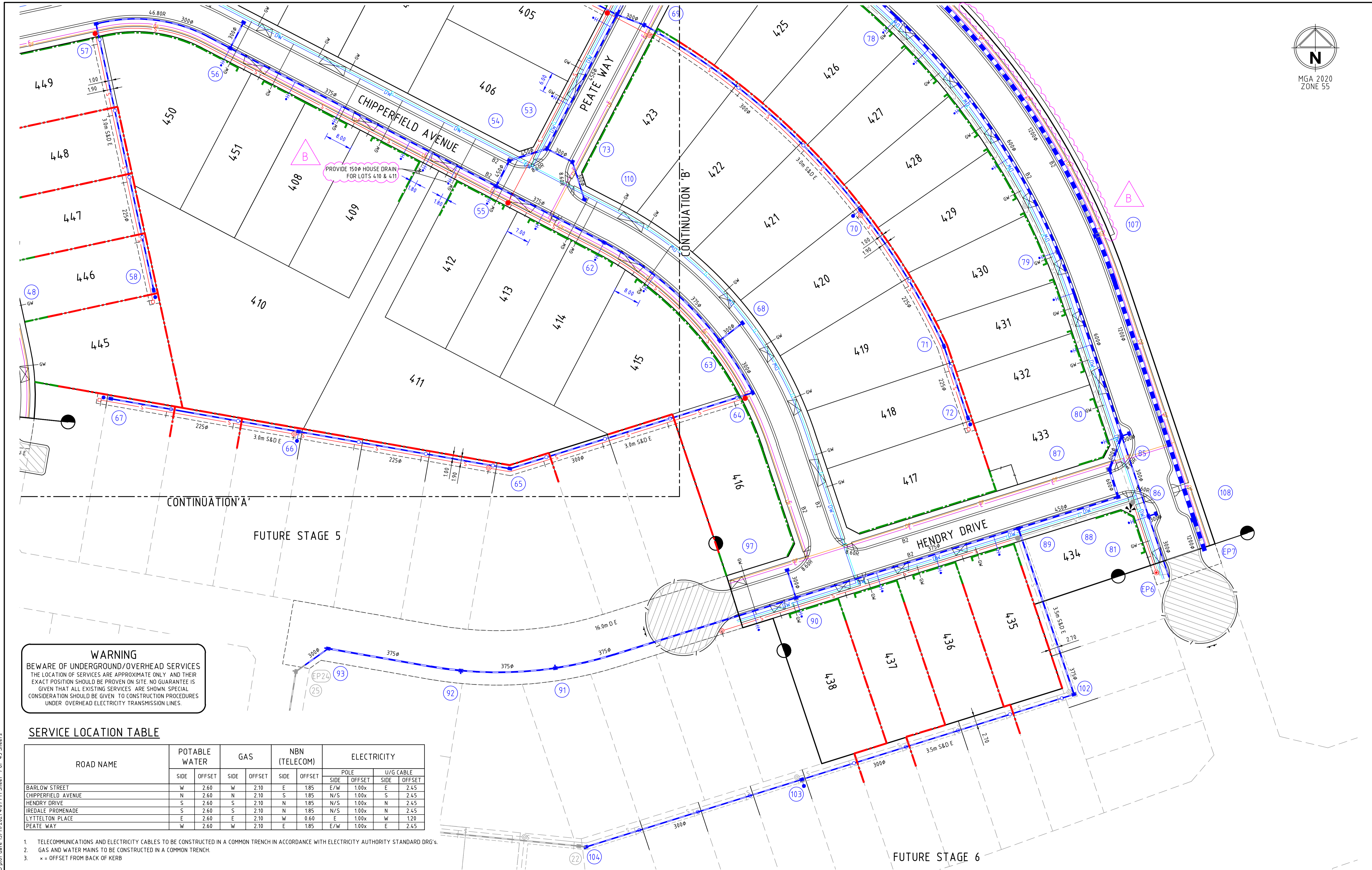
414 LA TROBE STREET PO BOX 16084 MELBOURNE
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Designed L. TRAN	Checked J. KOEHLER
Authorised M. TOOMER-SMITH	Date

**SHERWOOD GRANGE
STAGE 4
ROAD AND DRAINAGE
SERVICES PLAN - SHEET 2 OF 3**
HUME CITY COUNCIL
RACECOURSE ROAD HOLDING PTY LTD

PRELIMINARY Drg No **305948CR204** Rev **B**



ROAD NAME	POTABLE WATER		GAS		NBN (TELECOM)		ELECTRICITY			
	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	POLE		U/G CABLE	
							SIDE	OFFSET	SIDE	OFFSET
BARLOW STREET	W	2.60	W	2.10	E	1.85	E/W	1.00x	E	2.45
CHIFFERDILL AVENUE	N	2.60	N	2.10	S	1.85	N/S	1.00x	S	2.45
HENDRY DRIVE	S	2.60	S	2.10	N	1.85	N/S	1.00x	N	2.45
IREDALE PROMENADE	S	2.60	S	2.10	N	1.85	N/S	1.00x	N	2.45
LYTTELTON PLACE	E	2.60	E	2.10	W	0.60	E	1.00x	W	1.20
PEATE WAY	W	2.60	W	2.10	E	1.85	E/W	1.00x	E	2.45

- | | | |
|-------------------|----------|----------|
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| NOTE ADDED | M.T-S | 15/11/21 |
| ISSUED TO COUNCIL | M.T-S | 11/05/21 |
| Amendments | Approved | Date |



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ESTABLISHED - 1924

**Sherwood
Grange**

Checked
J. KOEHLER
Date

PRELIMINARY Drg No Rev
305948CR205 **B**

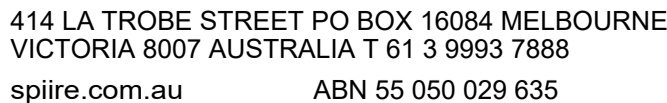
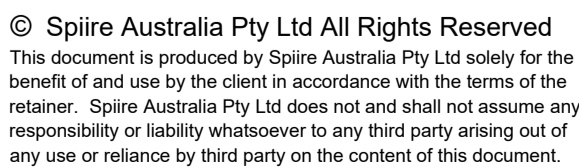


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V 150

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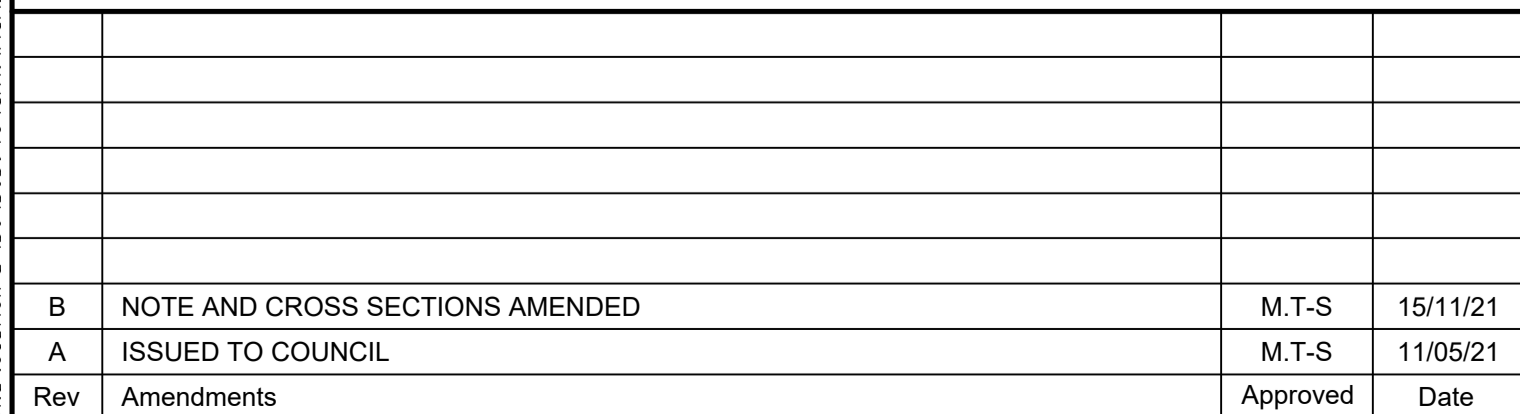
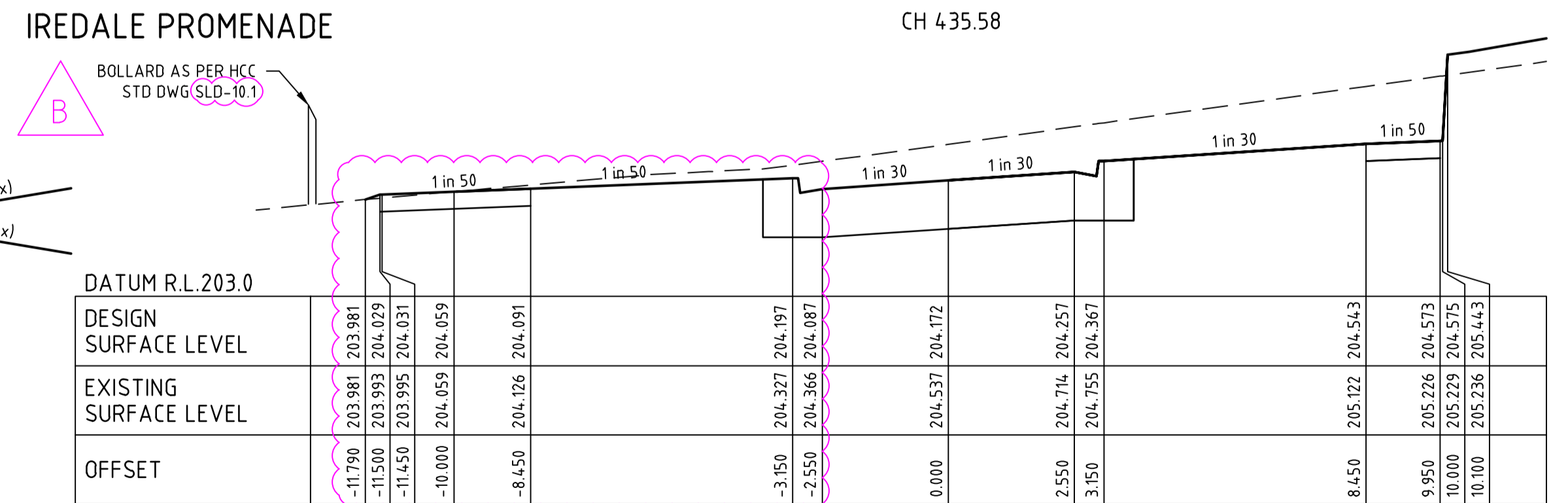
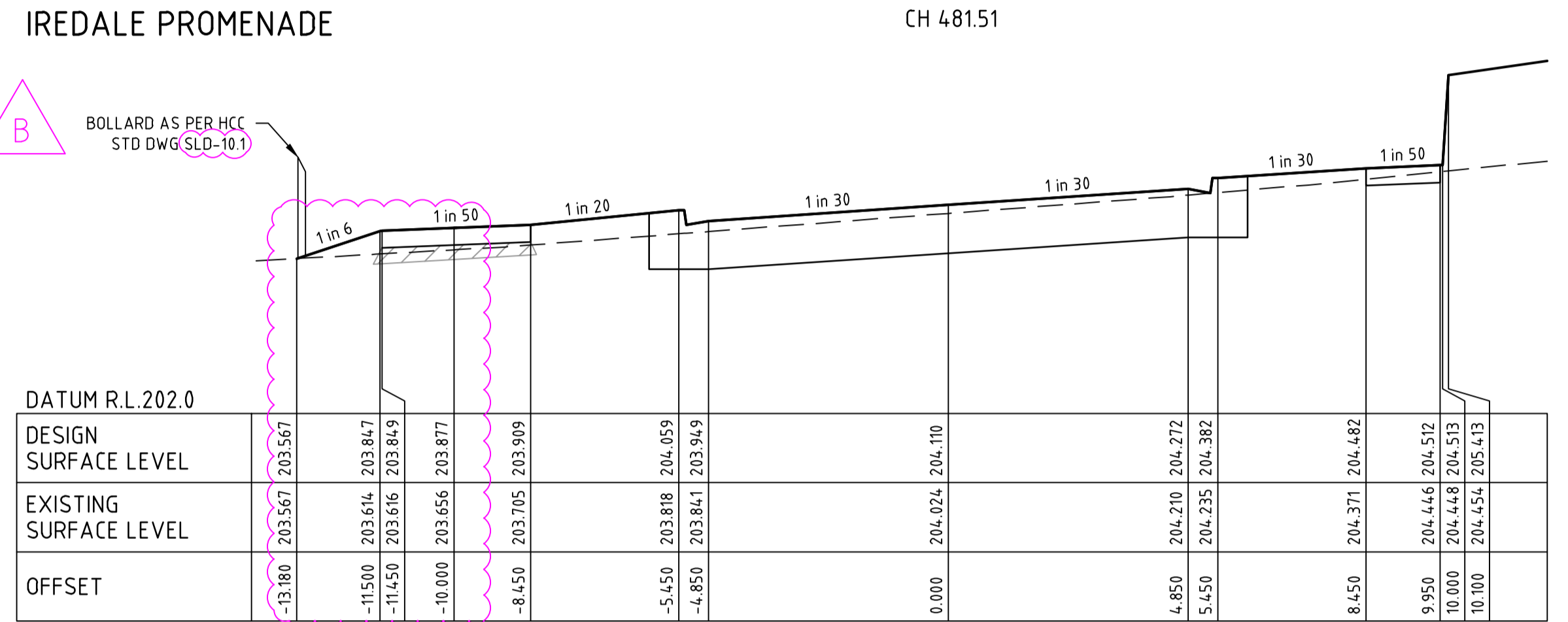
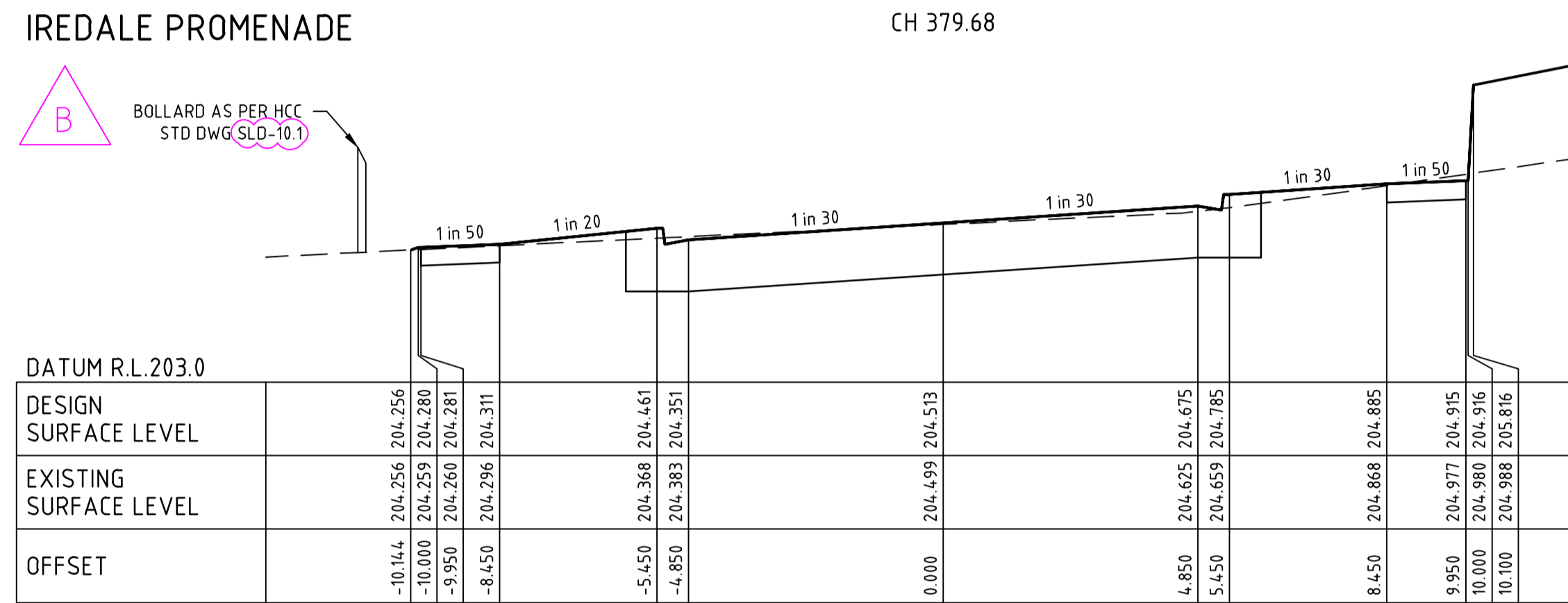


Checked
J. KOEHLER
Date

PRELIMINARY Drg No
305948CR300

Rev
B

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spiire.com.au ABN 55 050 029 635

Designed
L. TRAN

Authorised
M. TOOMER-SMITH

Checked
J. KOEHLER
Date

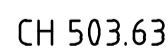
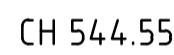
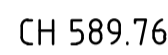
**SHERWOOD GRANGE
STAGE 4
ROAD AND DRAINAGE
ROAD CROSS SECTIONS - SHEET 1
HUME CITY COUNCIL
RACECOURSE ROAD HOLDING PTY LTD**

PRELIMINARY Drg No 305948CR400

B

file name 305948CR4.00.dwg layout name CR4.00 plotted by Lilien Tran
file location G:\30\305948\Civil\CAD plot date 15/11/2021 4:08 PM Sheet 14 of 45 Sheets

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[illegible]

BOLLARD AS PER HCC STD DWG SLD-10-1

B

1 in 6 1 in 50 1 in 20 1 in 30 1 in 30 1 in 30 1 in 50 1 in 50

DATUM R.L.206.0

DESIGN SURFACE LEVEL		207.226	207.226	207.773	207.773	207.775	207.805		207.960	208.045	208.130	208.240	208.446	208.446	209.145
EXISTING SURFACE LEVEL		207.226	207.226	207.463	207.467	207.775	207.590		208.075	208.281	208.486	208.535	208.993	209.134	209.148
OFFSET		-13.282		-10.000	-9.950	-8.450			-2.550	0.000	2.550	3.150	8.450	9.950	10.000




DESIGN SURFACE LEVEL		EXISTING SURFACE LEVEL		OFFSET	
	207.338	207.338	-12.132		
	207.693	207.522	-10.000		
	207.695	207.526	-9.950		
	207.725	207.647	-8.450		
	207.875	207.887	-5.450		
	207.765	207.934	-4.850		
	207.927	208.296	0.000		
	208.072	208.472	2.550		
	208.122	208.523	3.150		
	208.296	209.027	8.450		
	208.328	209.170	9.950		
	208.330	209.174	10.000		
	209.193	209.184	10.100		




A cross-section profile of a road. A bollard is shown on the left with a callout 'BOLLARD AS PER HCC STD DWG SLD-10-1'. The profile shows a series of steps and slopes with the following gradients: 1 in 6, 1 in 50, 1 in 20, 1 in 30, 1 in 30, 1 in 30, 1 in 50, and 1 in 5. A dashed line represents the datum level.

OFFSET	EXISTING SURFACE LEVEL	DESIGN SURFACE LEVEL	DATUM R.L. 206.0
-11.827	207.249	207.249	
-10.000	207.426	207.563	
-9.950	207.431	207.555	
-8.450	207.543	207.585	
-5.450	207.765	207.735	
-4.850	207.809	207.625	
0.000	208.167	207.766	
4.850	208.523	207.548	
5.450	208.579	208.158	
8.450	208.912	208.158	
9.950	209.075	208.168	
10.000	209.080	208.190	
17.000	209.836	209.745	





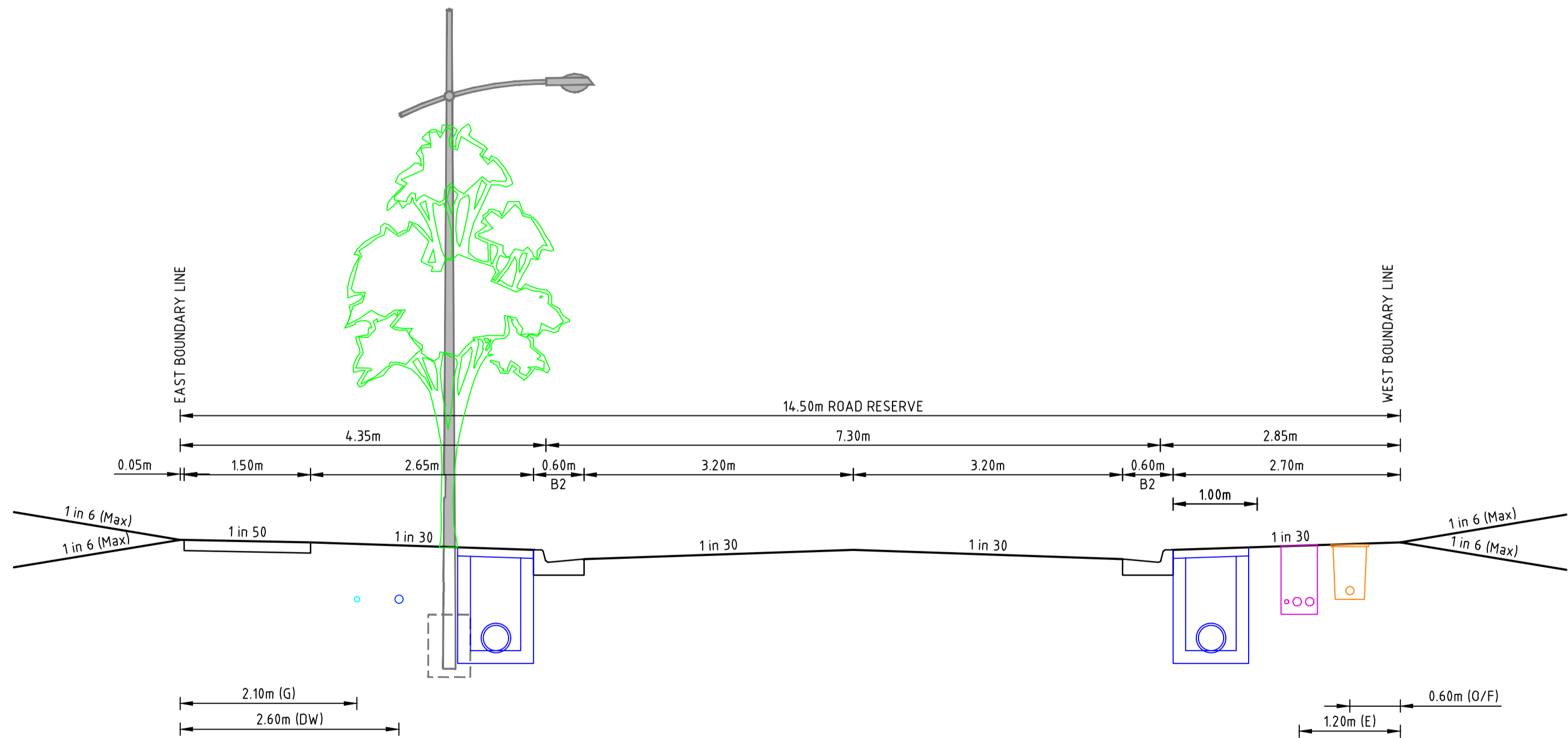
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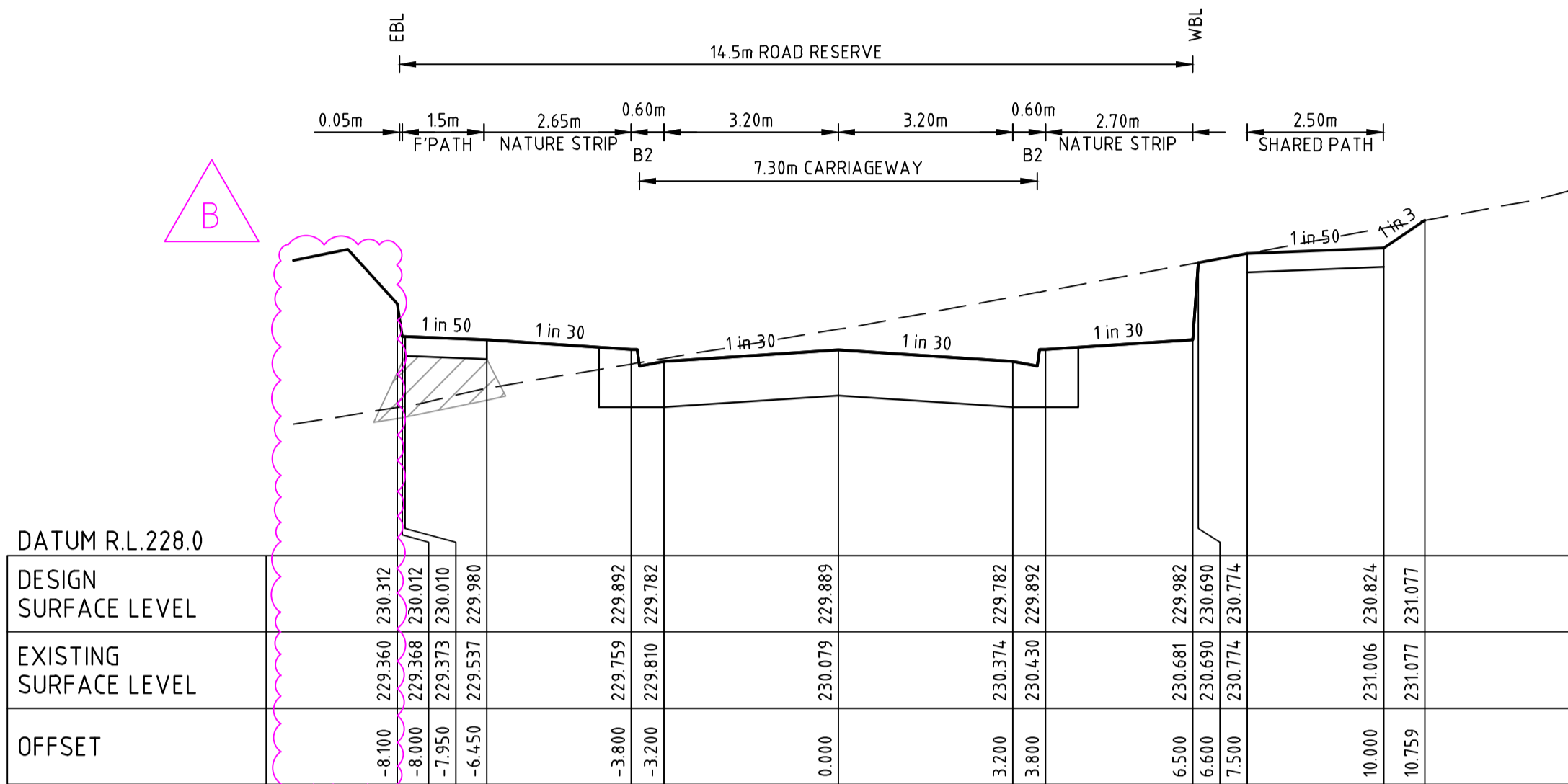
Designed	Checked
L. TRAN	J. KOEHLER
Authorised	Date
M. TOOMER-SMITH	

PRELIMINARY Drg No **305948CR401** Rev **B**

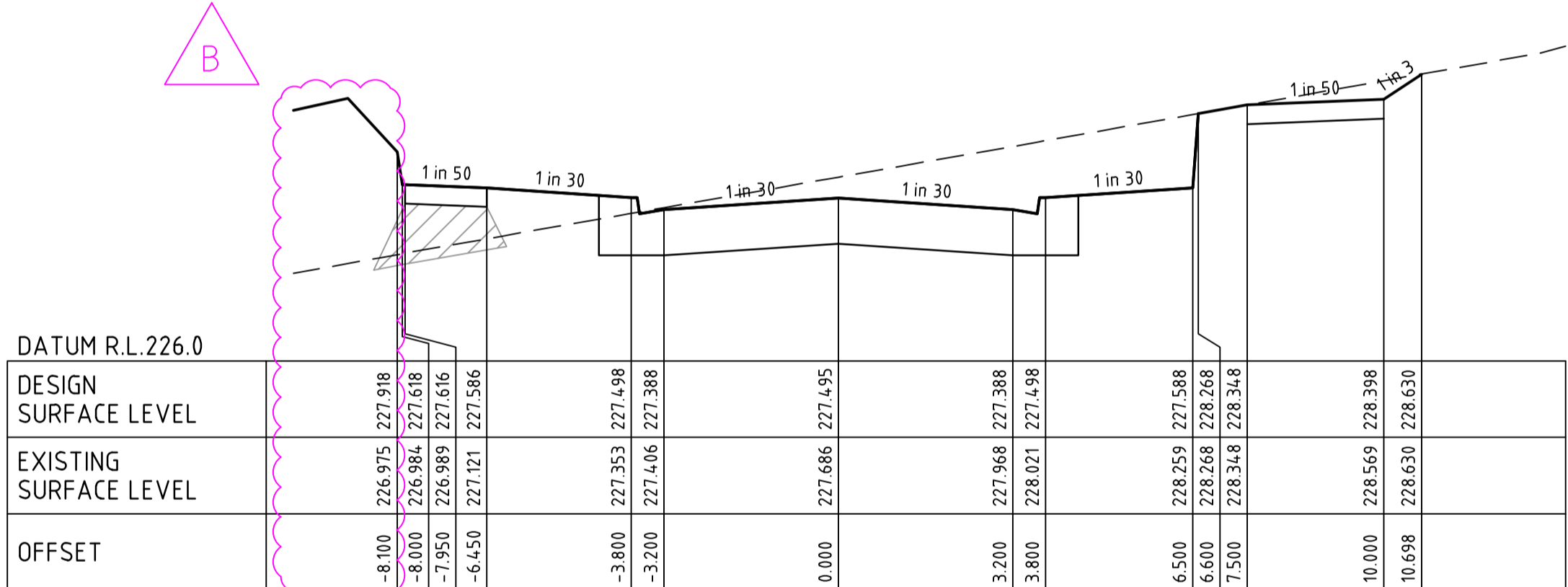
FILLING NOTE
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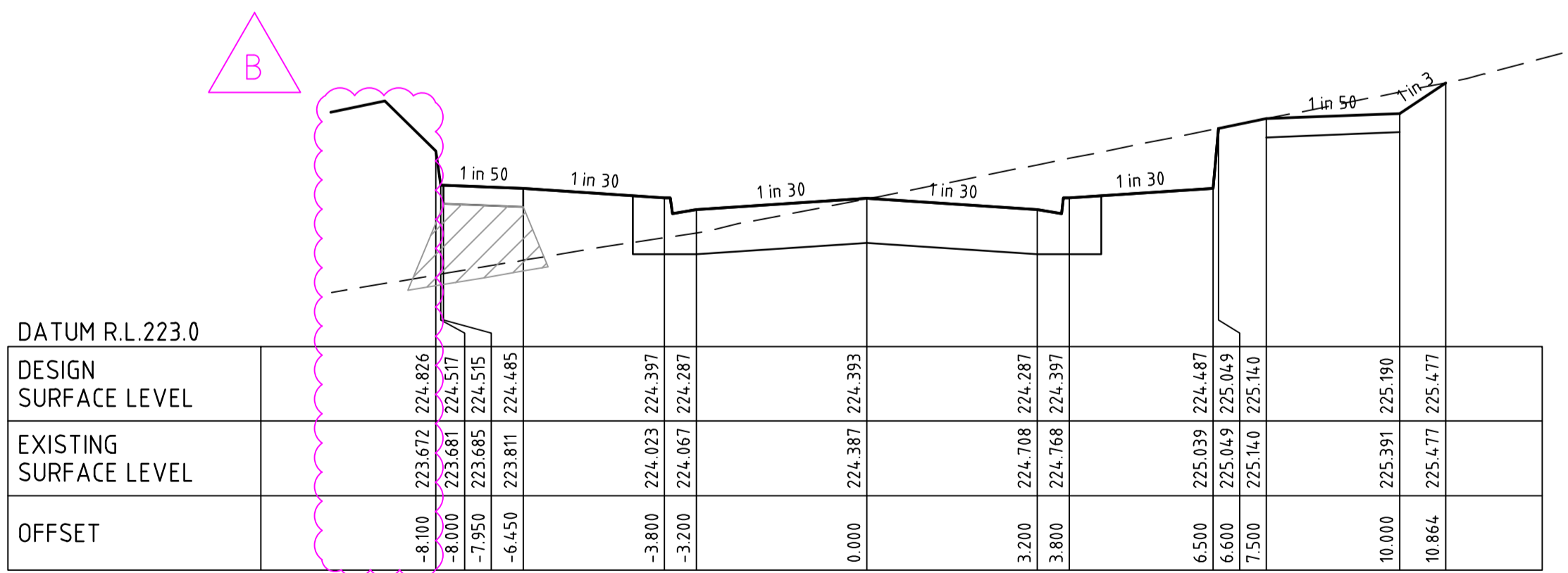
LYTTELTON PLACE TYPICAL CROSS SECTION
14.5m WIDE ACCESS STREET
SCALE 1:50 @ A1



LYTTELTON PLACE CH 260.48



LYTTELTON PLACE CH 228.48



LYTTELTON PLACE CH 192.48

file name: 305948CR402.dwg, layout name: CR402, plotted by: Lisa Tran, file location: G:\305948\A1\305948.dwg, plot date: 15/11/2021, 4:08 PM, Sheet 16 of 45 Sheets

Rev	B	CROSS SECTIONS AMENDED	M.T-S	15/11/21
Rev	A	ISSUED TO COUNCIL	M.T-S	11/05/21
Rev		Amendments	Approved	Date

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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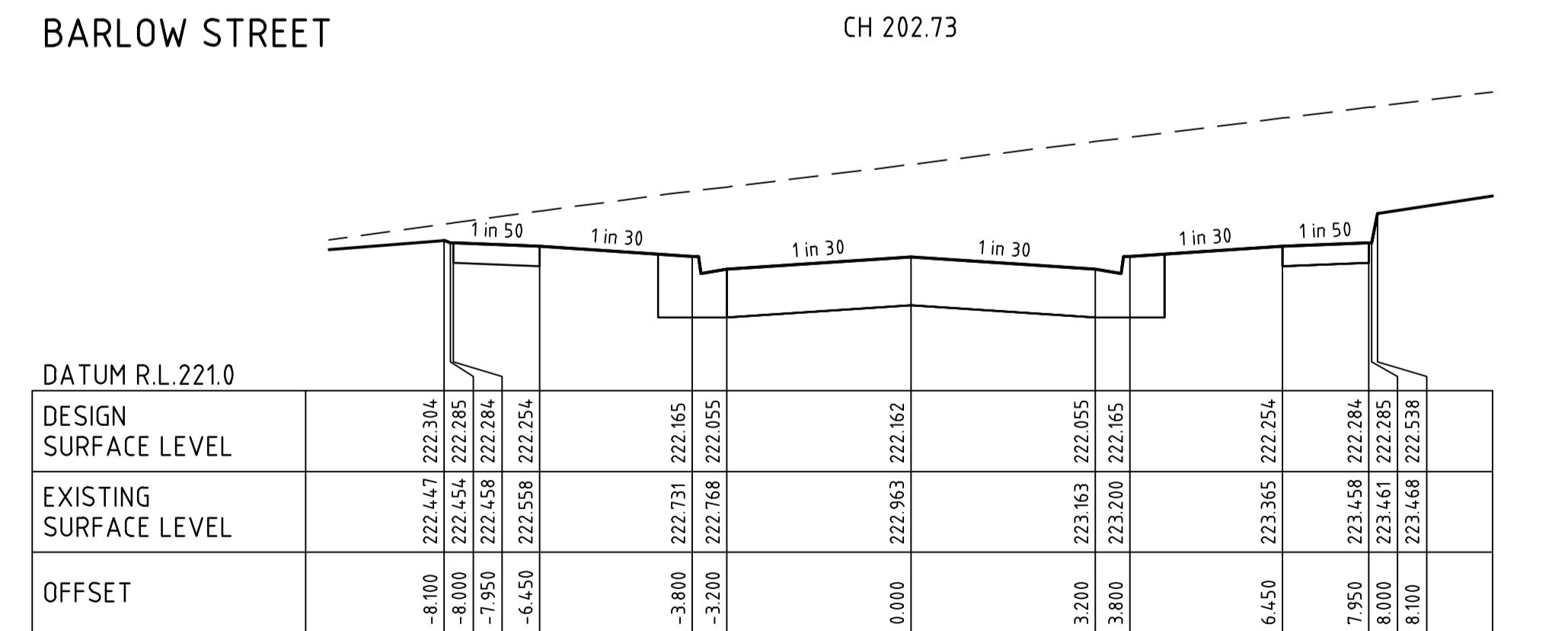
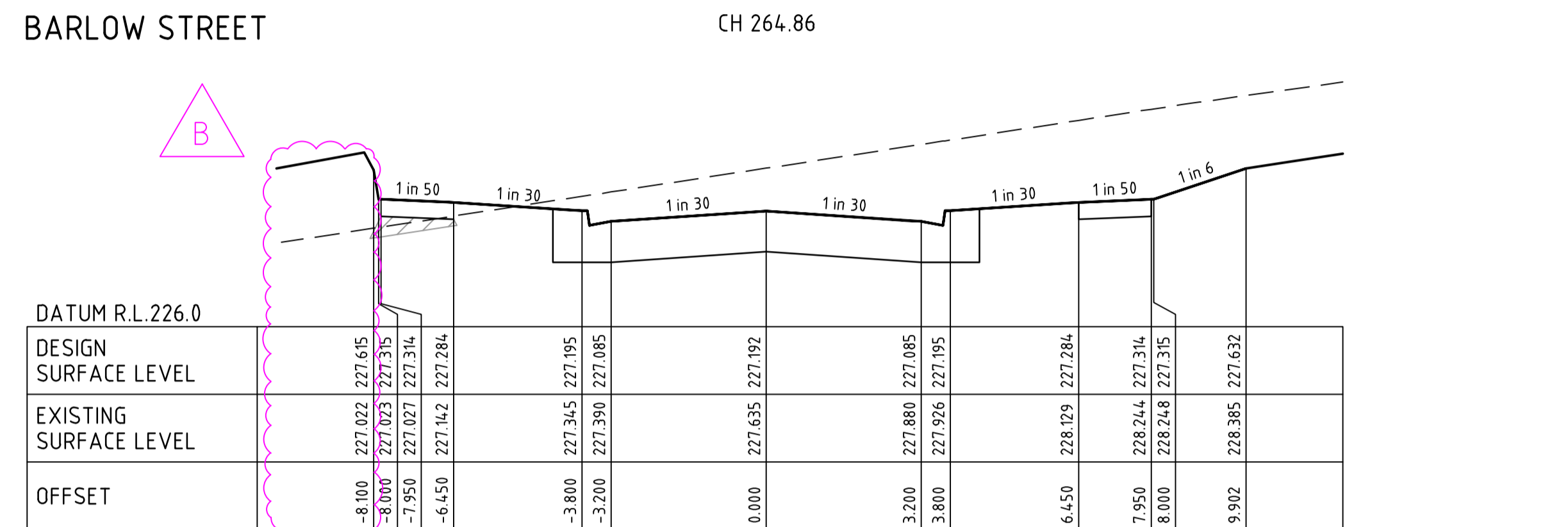
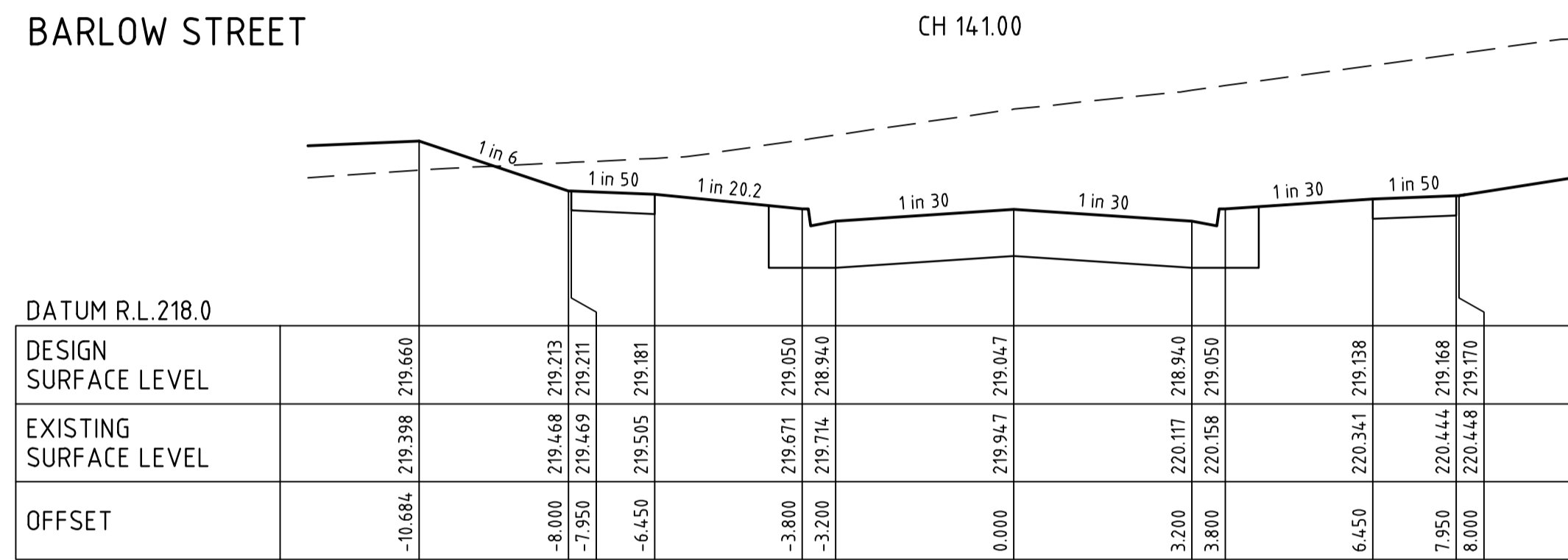
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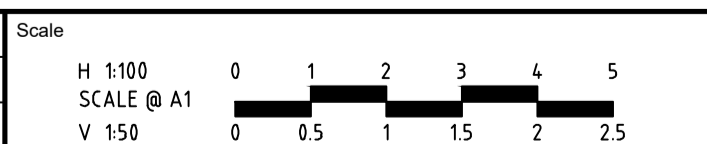
Sherwood Grange
Designed
L. TRAN
Authorised
M. TOOMER-SMITH
Checked
J. KOEHLER
Date

**SHERWOOD GRANGE
STAGE 4
ROAD AND DRAINAGE
ROAD CROSS SECTIONS - SHEET 3
HUME CITY COUNCIL
RACECOURSE ROAD HOLDING PTY LTD**
PRELIMINARY Drg No **305948CR402** Rev **B**

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B	CROSS SECTIONS CH202.73 & CH238.73 AMENDED	M.T-S	15/11/21
A	ISSUED TO COUNCIL	M.T-S	11/05/21
Rev	Amendments	Approved	Date



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spiire.com.au ABN 55 050 029 635

ESTABLISHED 1924

**Sherwood
Grange**



Designed
L. TRAN

Authorised
M. TOOMER-SMITH

Checked
J. KOEHLER
Date

**SHERWOOD GRANGE
STAGE 4
ROAD AND DRAINAGE
ROAD CROSS SECTIONS - SHEET 4
HUME CITY COUNCIL
RACECOURSE ROAD HOLDING PTY LTD**

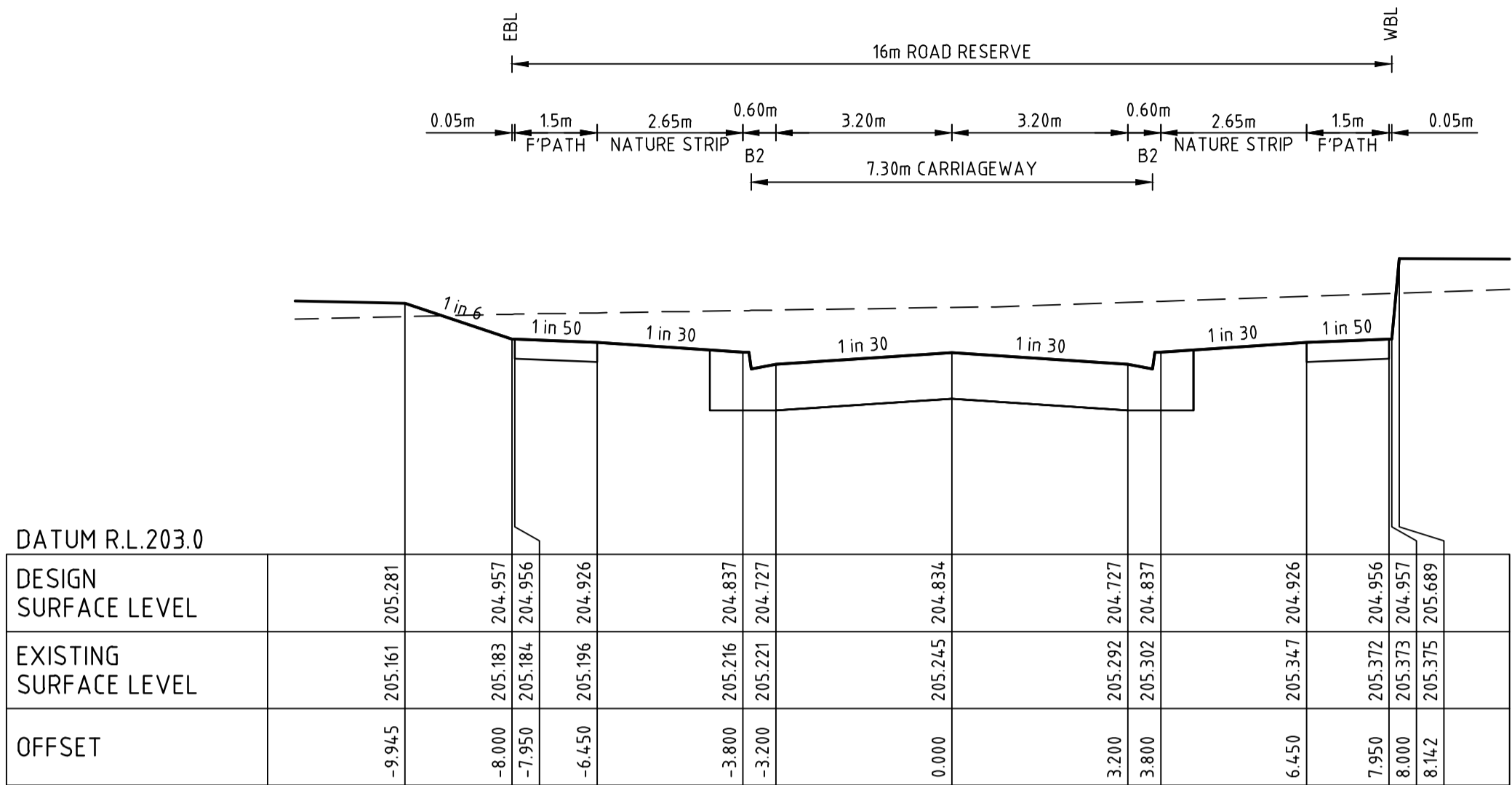
PRELIMINARY Drg No **305948CR403**

B

File name 305948CR4.00.dwg layout name CR403 plotted by Lilien Tran
File location G:\30\305948\Civil\ACAD plot date 15/11/2021 4:08 PM Sheet 17 of 45 Sheets

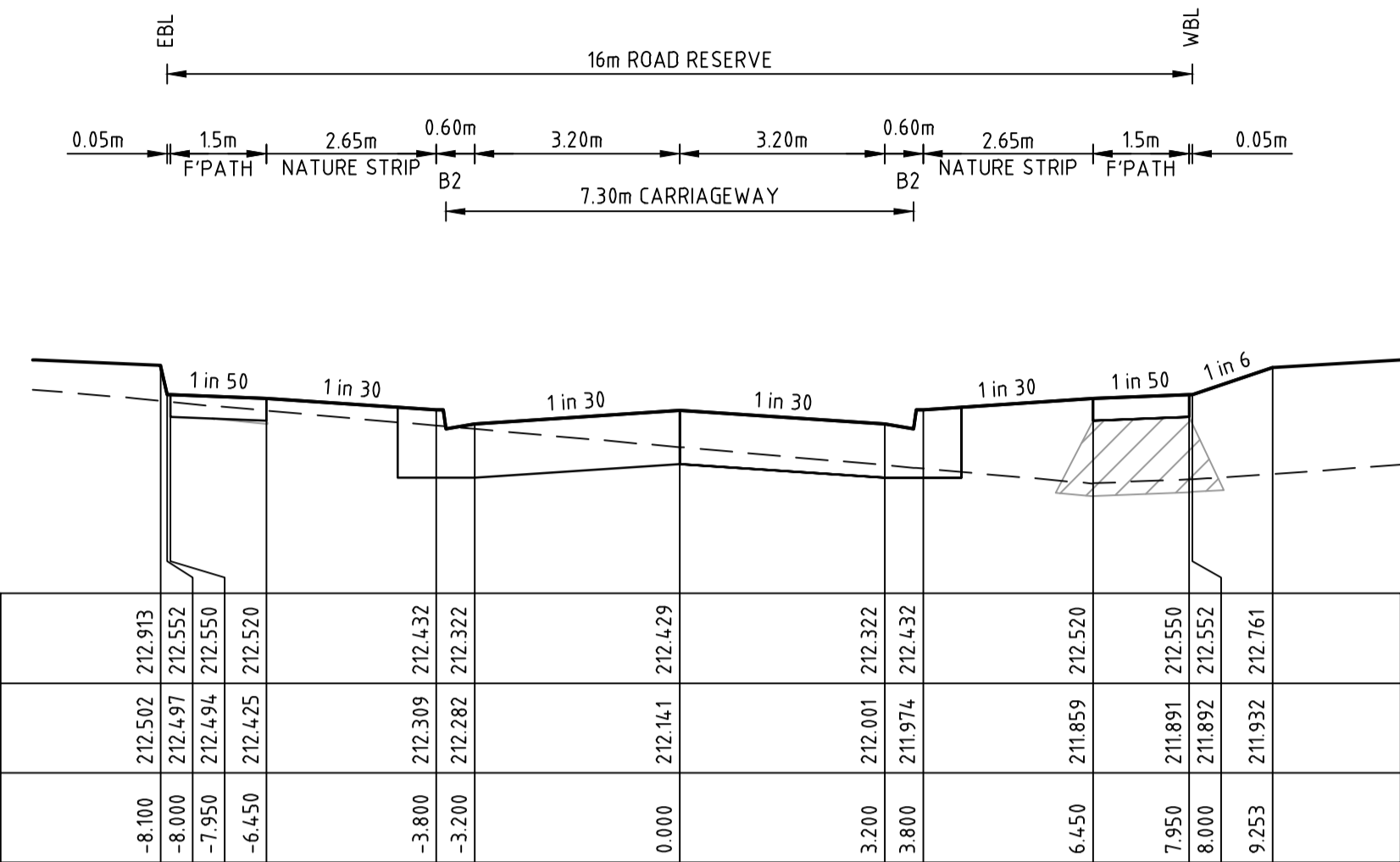
file name: 305948CR400.dwg, layout name: CR400, plotted by: Lisa Tran, file location: G:\305948\A1\A1.dwg, plot date: 15/11/2021, 4:08 PM, Sheet 20 of 45 Sheets

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.



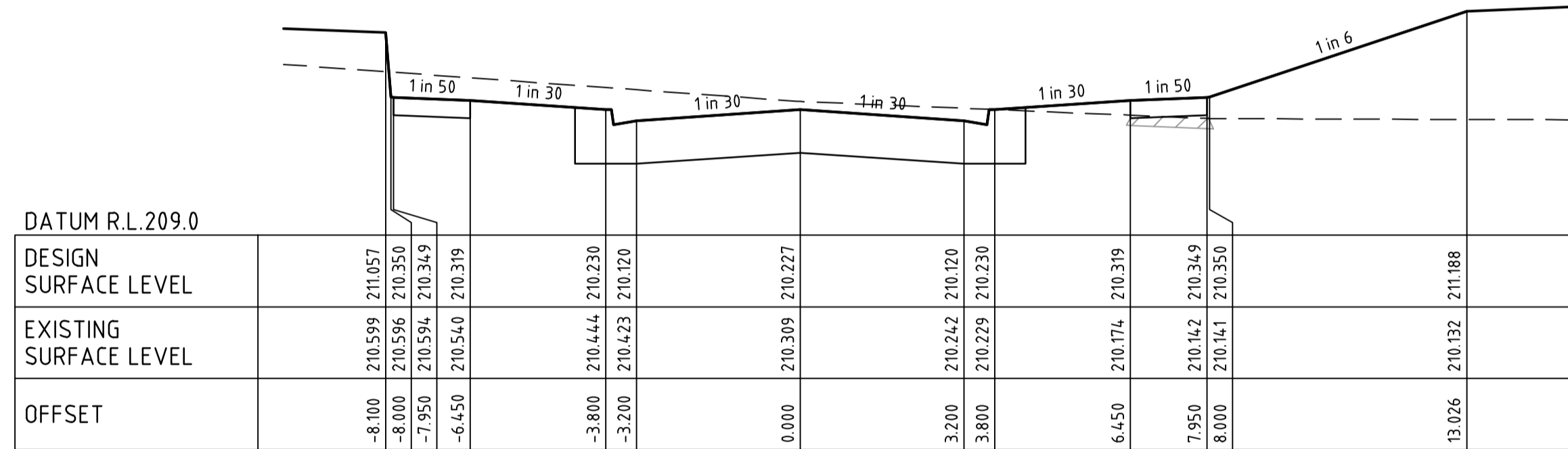
PEATE WAY

CH 13.01



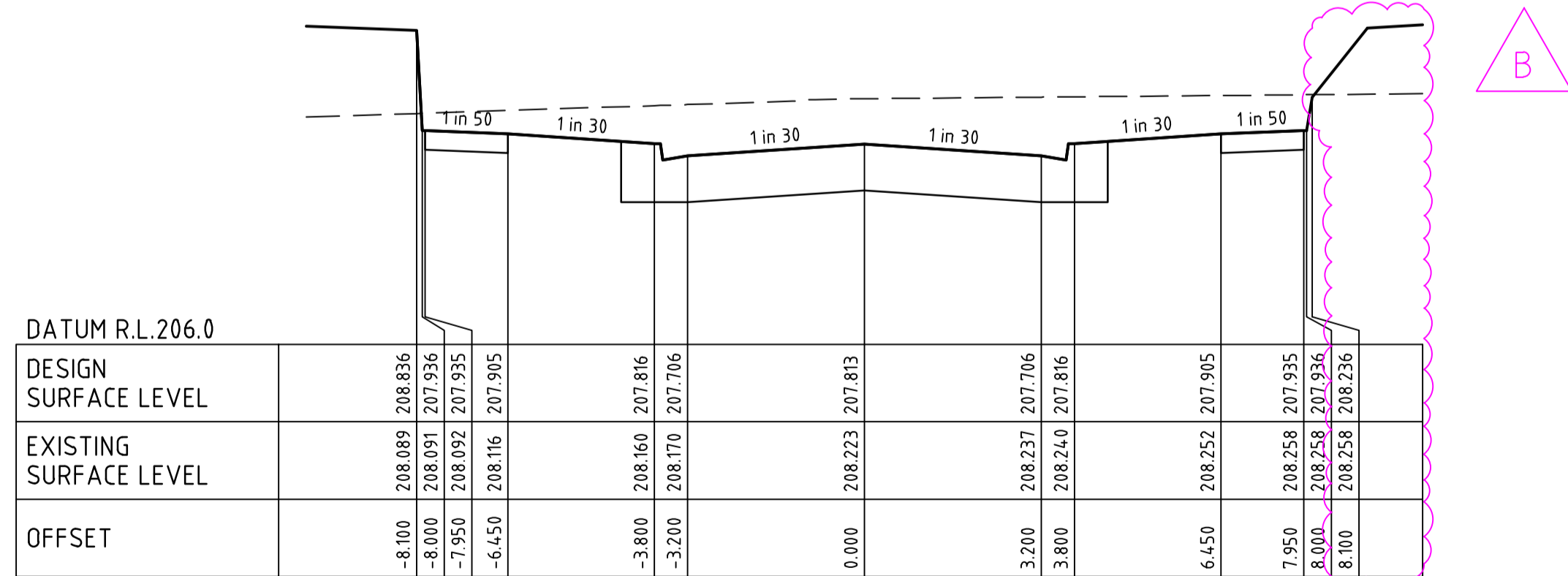
PEATE WAY

CH 96.20



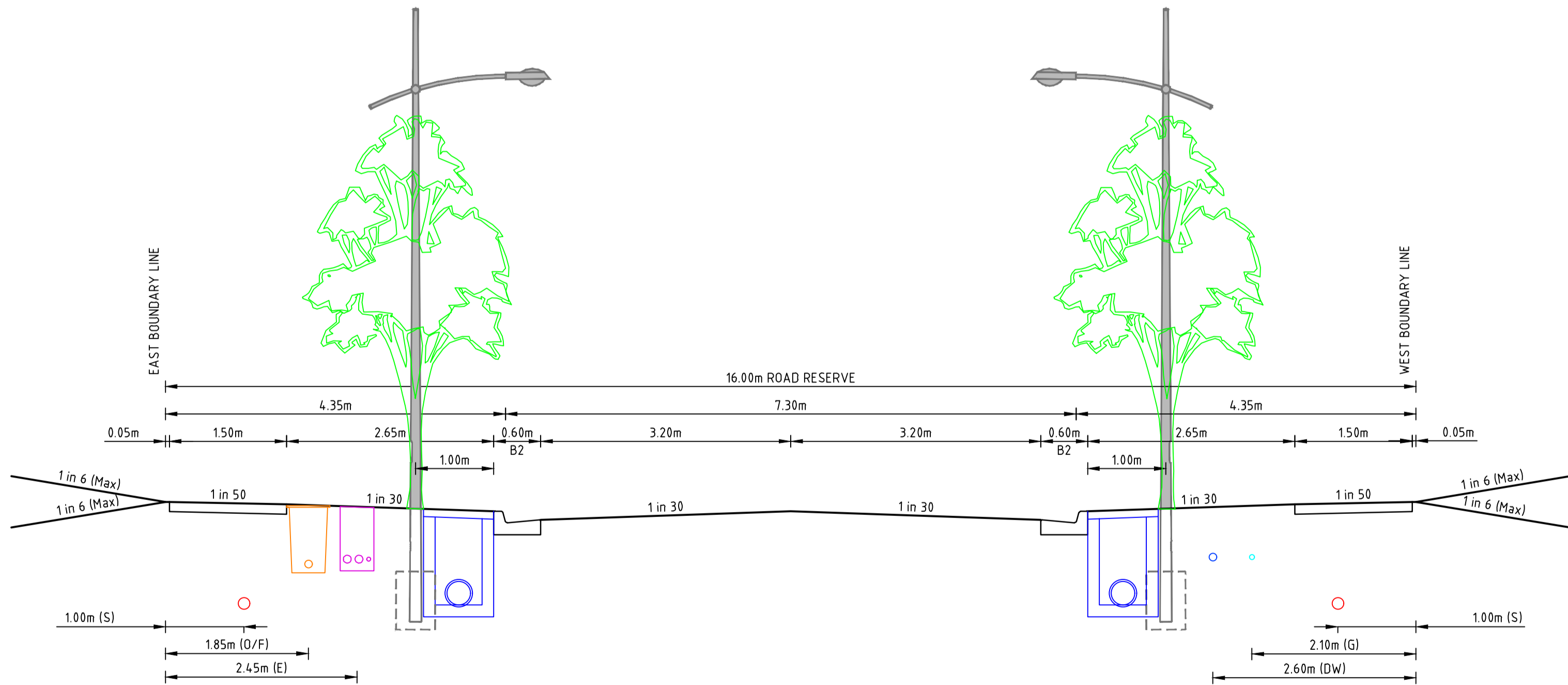
PEATE WAY

CH 75.23



PEATE WAY

CH 50.23



PEATE WAY TYPICAL CROSS SECTION

16m WIDE ACCESS STREET
SCALE 1: 50 @ A1

Rev	Amendments	Approved	Date
B	CROSS SECTIONS CH50.23 AMENDED	M.T-S	15/11/21
A	ISSUED TO COUNCIL	M.T-S	11/05/21

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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Sherwood Grange

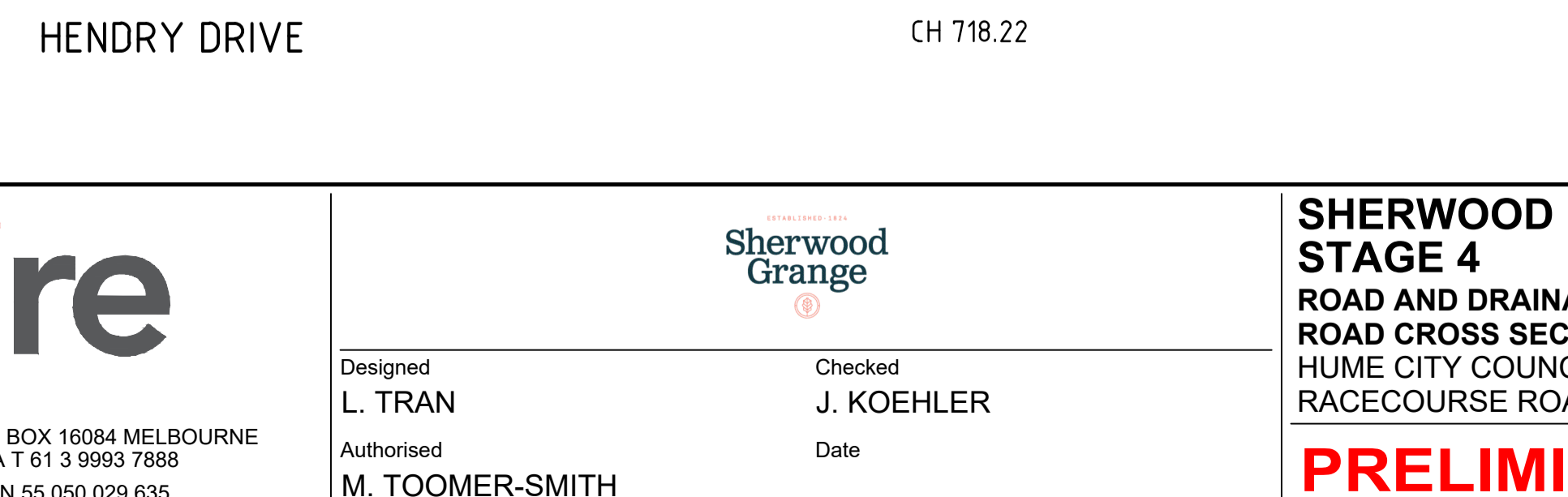
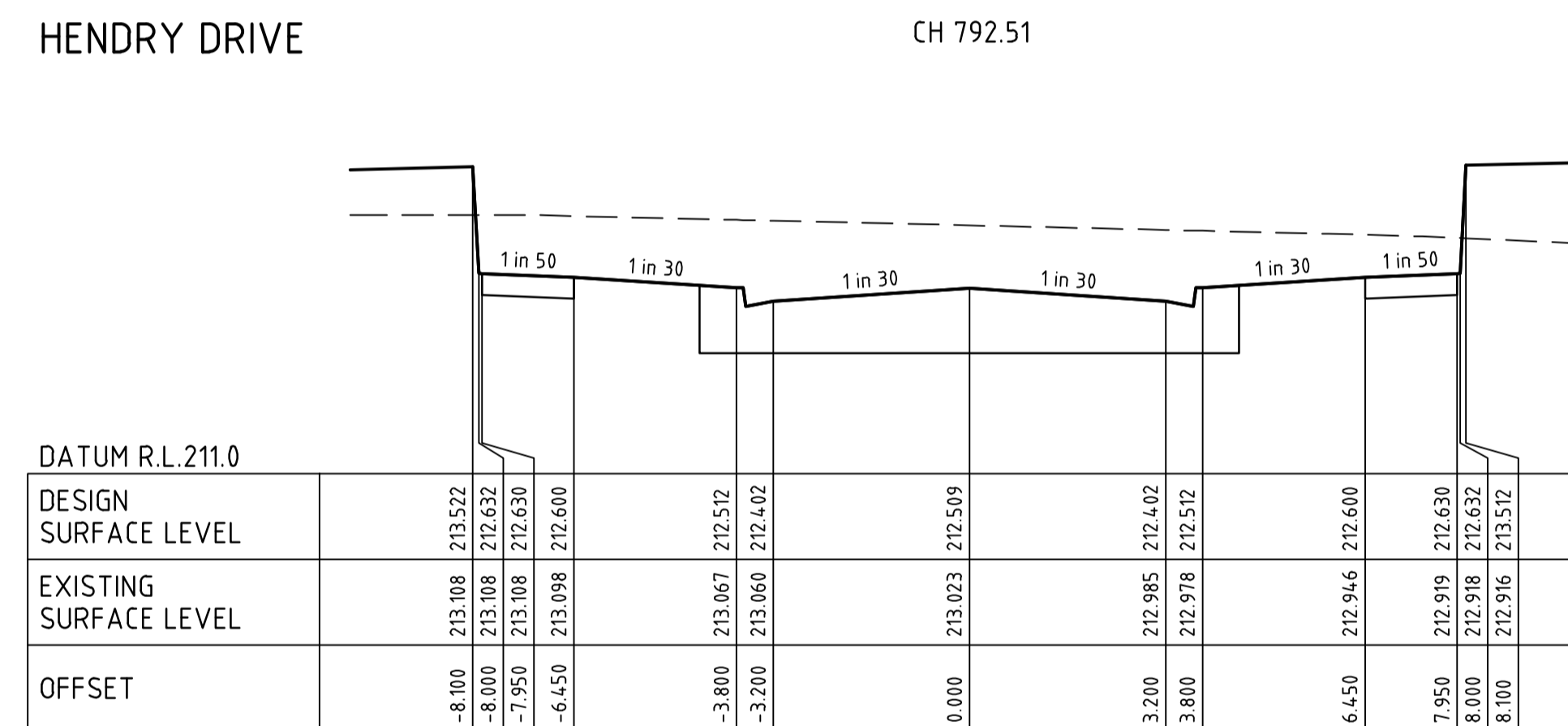
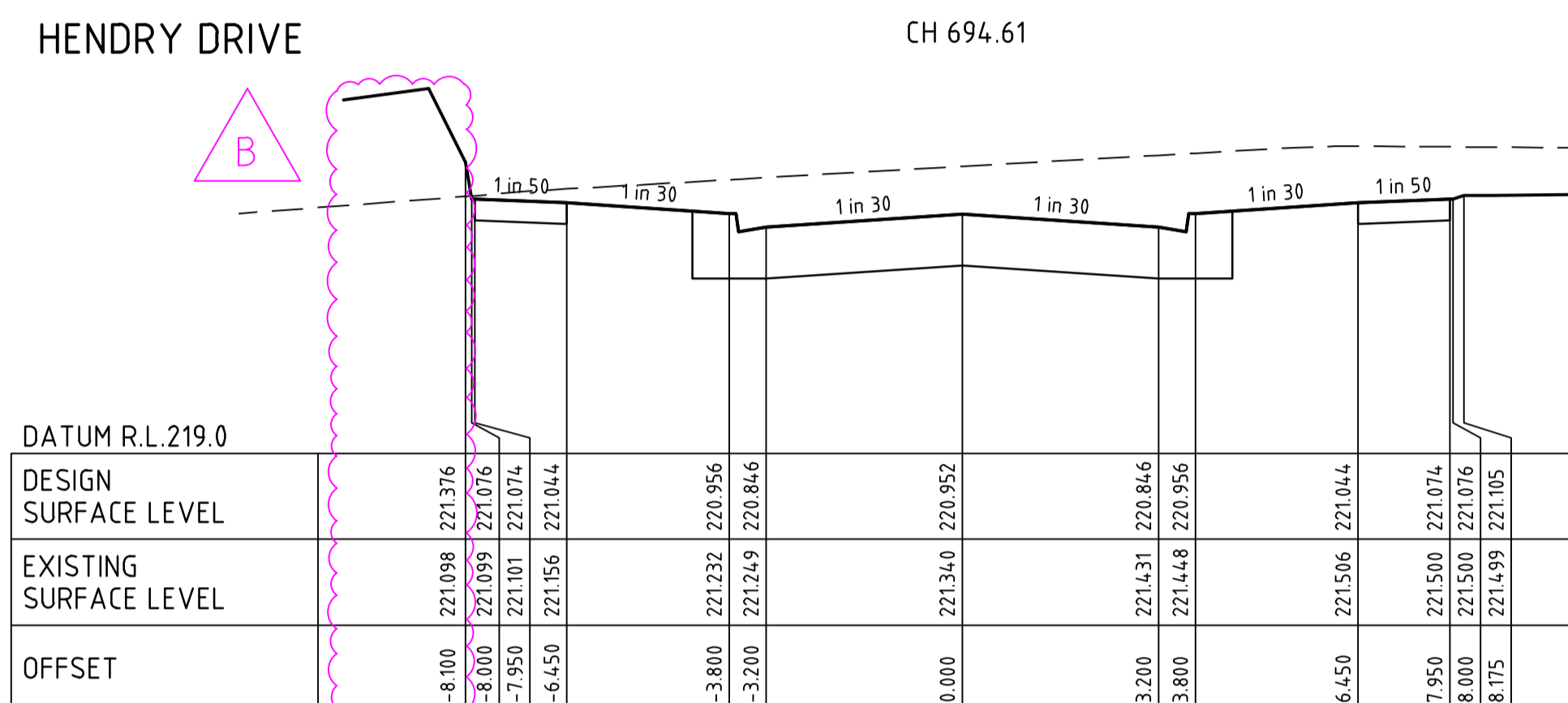
Designed
L. TRAN
Authorised
M. TOOMER-SMITH

Checked
J. KOEHLER
Date

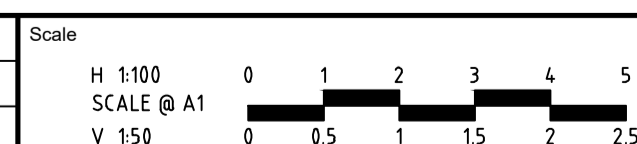
**SHERWOOD GRANGE
STAGE 4
ROAD AND DRAINAGE
ROAD CROSS SECTIONS - SHEET 7
HUME CITY COUNCIL
RACECOURSE ROAD HOLDING PTY LTD**

PRELIMINARY Drg No **305948CR406** Rev **B**

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B	CROSS SECTIONS CH676.51 AMENDED	M.T-S	15/11/21
A	ISSUED TO COUNCIL	M.T-S	11/05/21
Rev	Amendments	Approved	Date



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L. TRAN

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M. TOOMER-SMITH

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J. KOEHLER
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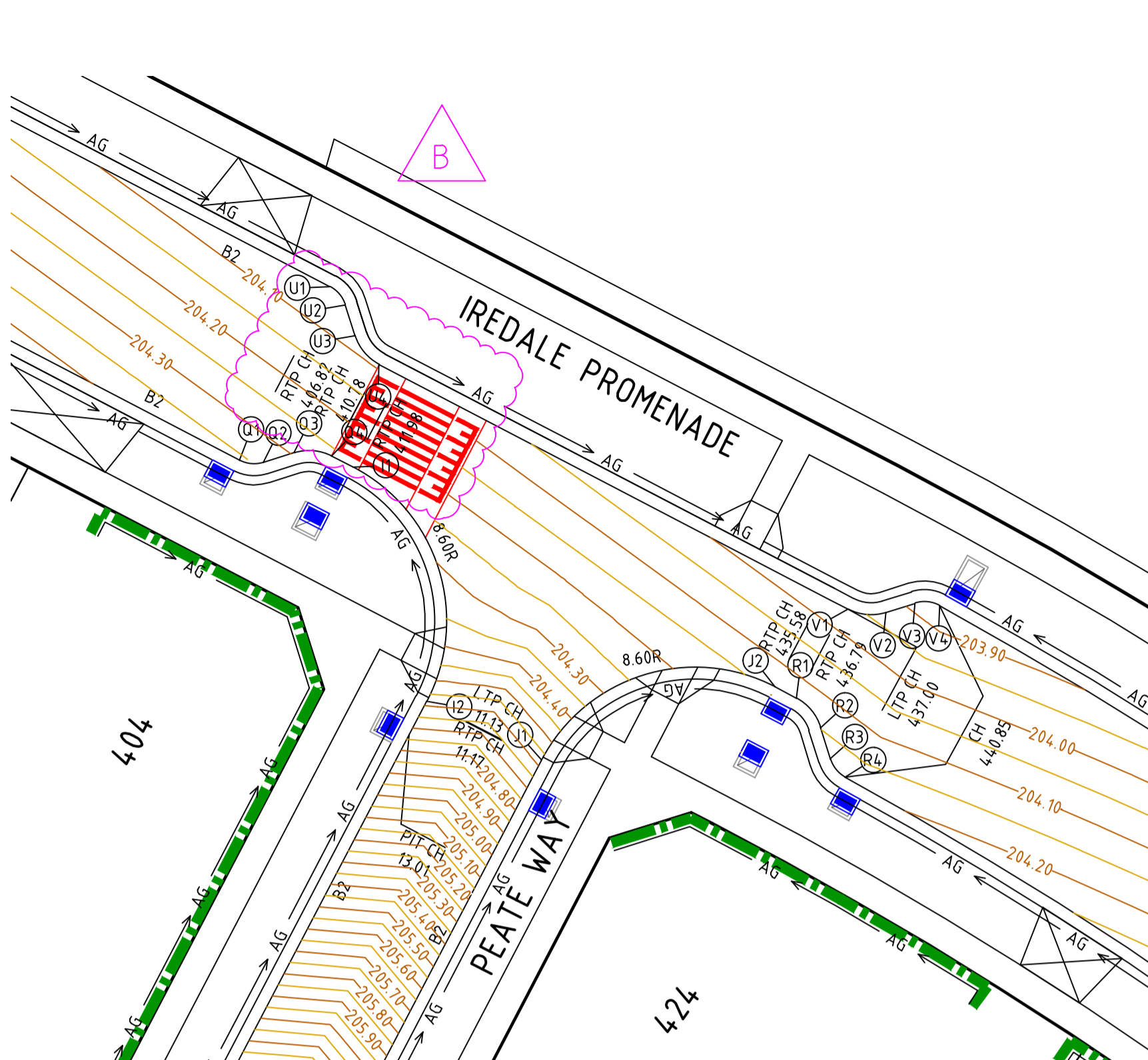
**SHERWOOD GRANGE
STAGE 4
ROAD AND DRAINAGE
ROAD CROSS SECTIONS - SHEET 8
HUME CITY COUNCIL
RACECOURSE ROAD HOLDING PTY LTD**

PRELIMINARY Drg No
305948CR407

B

file name 305948CR4.00.dwg layout name CR4.07 plotted by Lilien Tran
file location G:\30\305948\Civil\ACAD plot date 15/11/2021 4:08 PM Sheet 21 of 45 Sheets

file name: 305948CR500.dwg layout name: CR501, created by: Lillian Tran, file location: G:\305948\305948.dwg, last modified: 15/11/2021 4:09 PM, sheet 23 of 45 sheets



INTERSECTION OF IREDALE PROMENADE AND PEATE WAY



MGA 2020
ZONE 55

VERTICAL GEOMETRY

DESIGN GRADELINE

DATUM RL 203.0

DESIGN LEVEL

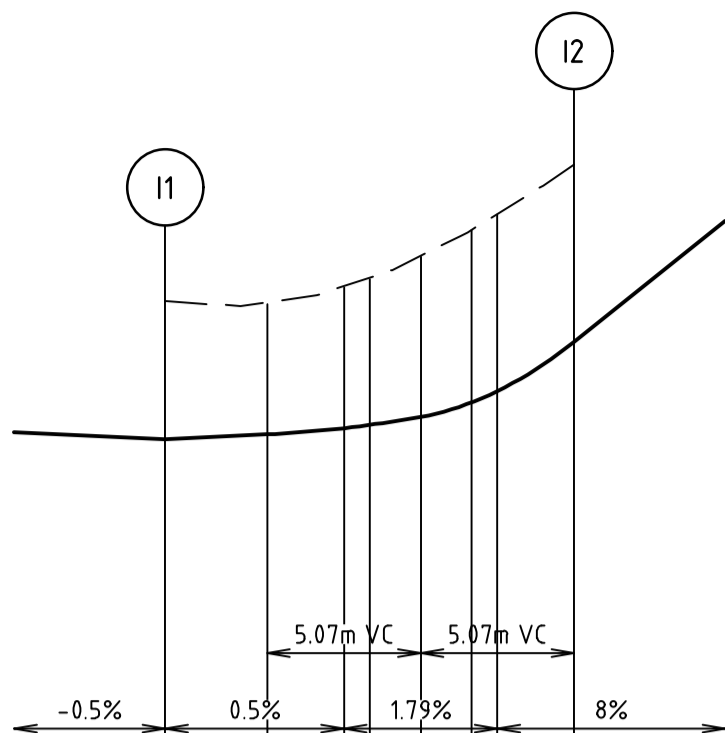
CHAINAGE

ALIGNMENT I

ALIGNMENT I

POINT NO	EASTING	NORTHING	RL
11	300183.304	5841195.021	204.257
1/4	300185.923	5841192.918	204.274
1/2	300187.536	5841189.971	204.305
3/4	300187.897	5841186.632	204.379
12	300186.952	5841183.409	204.580

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
I1-I2	8.600	13.522	12.172	2.524	0.656



VERTICAL GEOMETRY

DESIGN GRADELINE

DATUM RL 203.0

DESIGN LEVEL

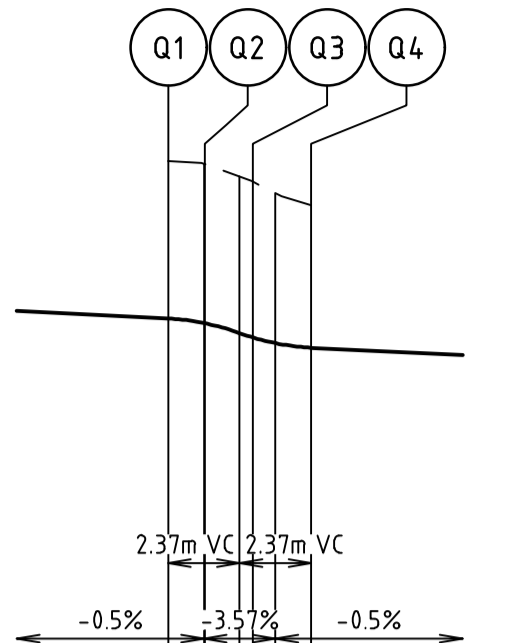
CHAINAGE

ALIGNMENT Q

ALIGNMENT Q

POINT NO	EASTING	NORTHING	RL
Q1	300177.668	5841195.364	204.359
1/4	300177.950	5841195.251	204.357
1/2	300178.249	5841195.194	204.354
3/4	300178.553	5841195.198	204.349
Q2	300178.850	5841195.260	204.343
Q3	300180.372	5841195.740	204.296
1/4	300180.843	5841195.838	204.283
1/2	300181.323	5841195.843	204.273
3/4	300181.795	5841195.755	204.267
Q4	300182.241	5841195.575	204.263

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
Q1-Q2	1.550	1.217	1.186	0.118	-0.030
Q3-Q4	2.450	1.924	1.875	0.187	0.047



VERTICAL GEOMETRY

DESIGN GRADELINE

DATUM RL 203.0

DESIGN LEVEL

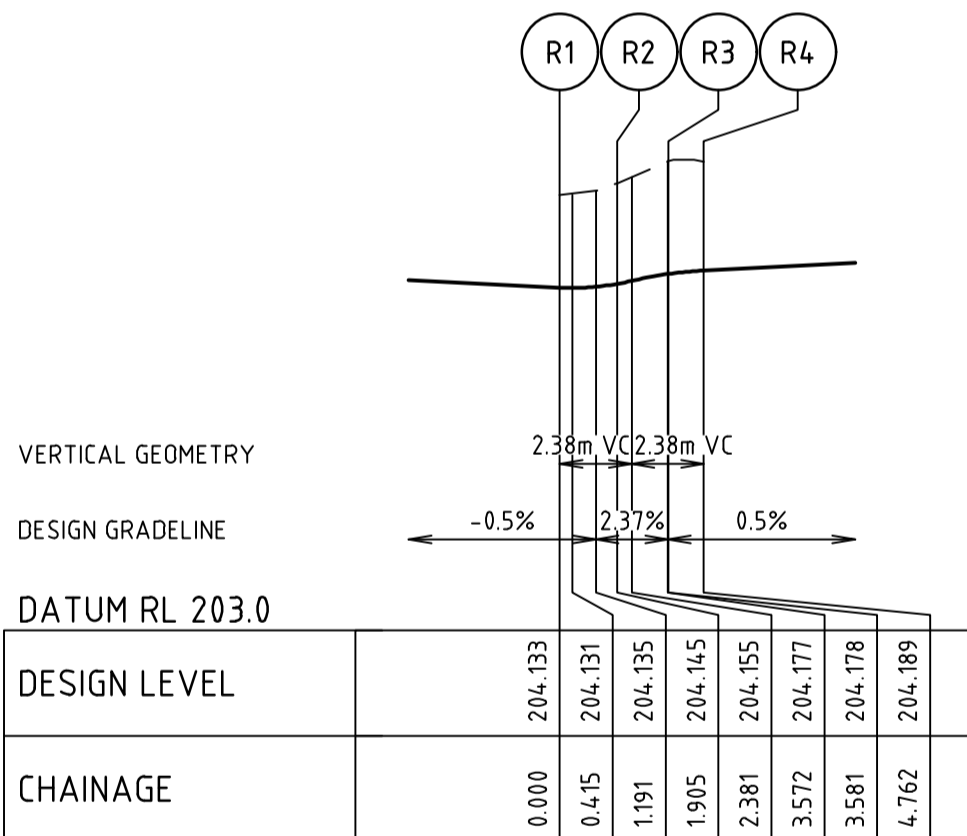
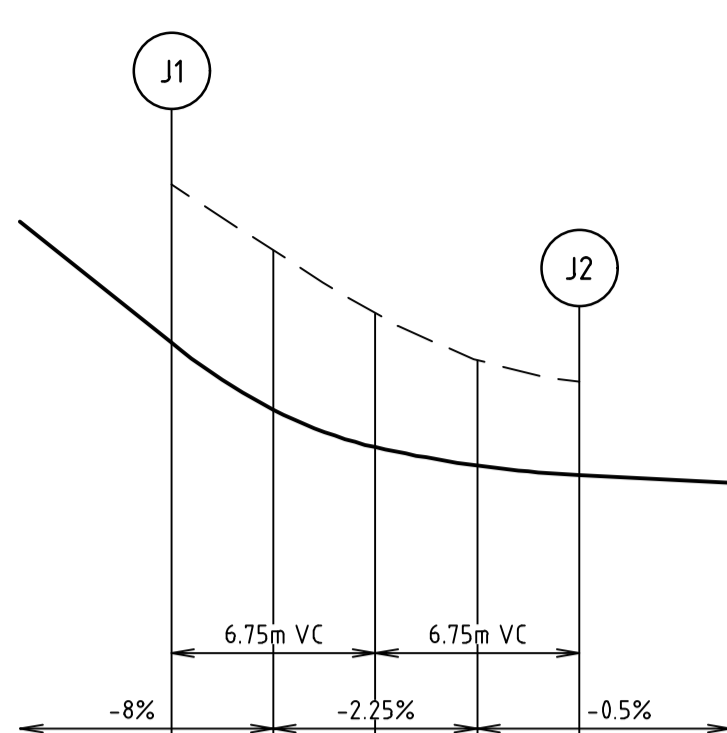
CHAINAGE

ALIGNMENT J

ALIGNMENT J

POINT NO	EASTING	NORTHING	RL
J1	300192.640	5841180.475	204.577
1/4	300194.742	5841183.086	204.356
1/2	300197.684	5841184.695	204.231
3/4	300201.016	5841185.057	204.170
J2	300204.234	5841184.117	204.139

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
J1-J2	8.600	13.496	12.153	2.514	0.653

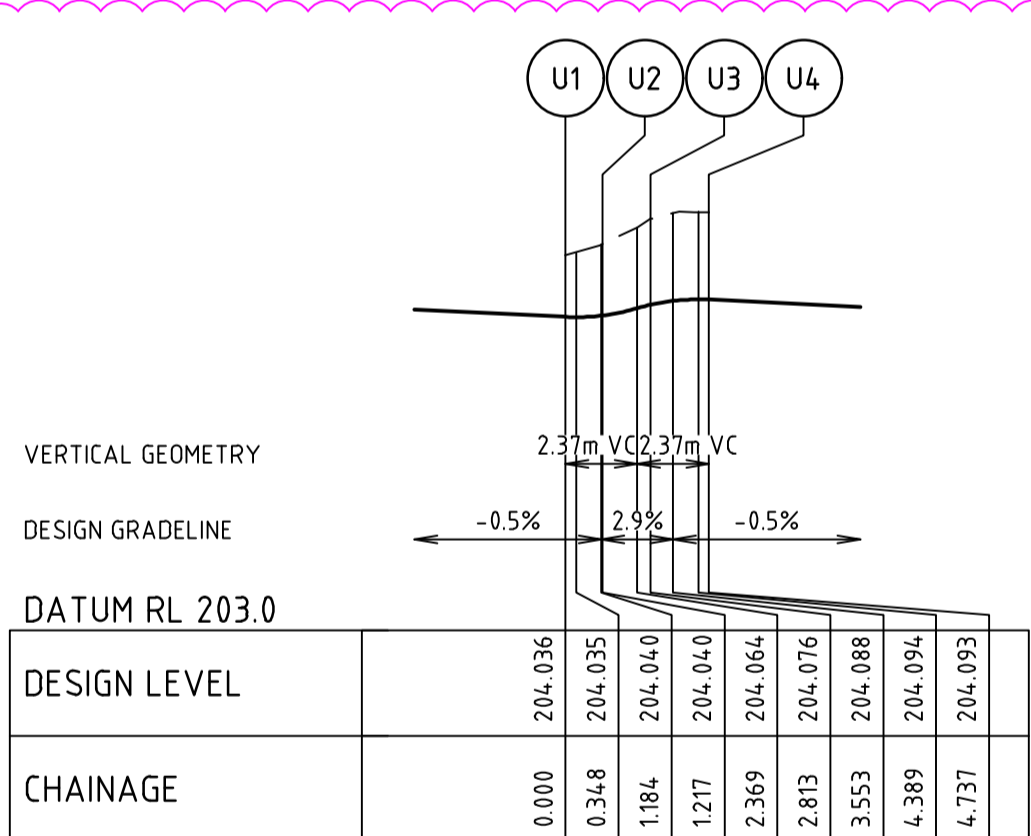


ALIGNMENT R

ALIGNMENT R

POINT NO	EASTING	NORTHING	RL
R1	300205.298	5841183.563	204.133
1/4	300205.695	5841183.300	204.132
1/2	300206.033	5841182.966	204.133
3/4	300206.300	5841182.573	204.138
R2	300206.486	5841182.135	204.145
R3	300206.990	5841180.536	204.178
1/4	300207.105	5841180.265	204.181
1/2	300207.269	5841180.020	204.185
3/4	300207.477	5841179.811	204.187
R4	300207.720	5841179.645	204.189

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
R1-R2	2.450	1.905	1.858	0.183	0.046
R3-R4	1.550	1.181	1.153	0.111	-0.028

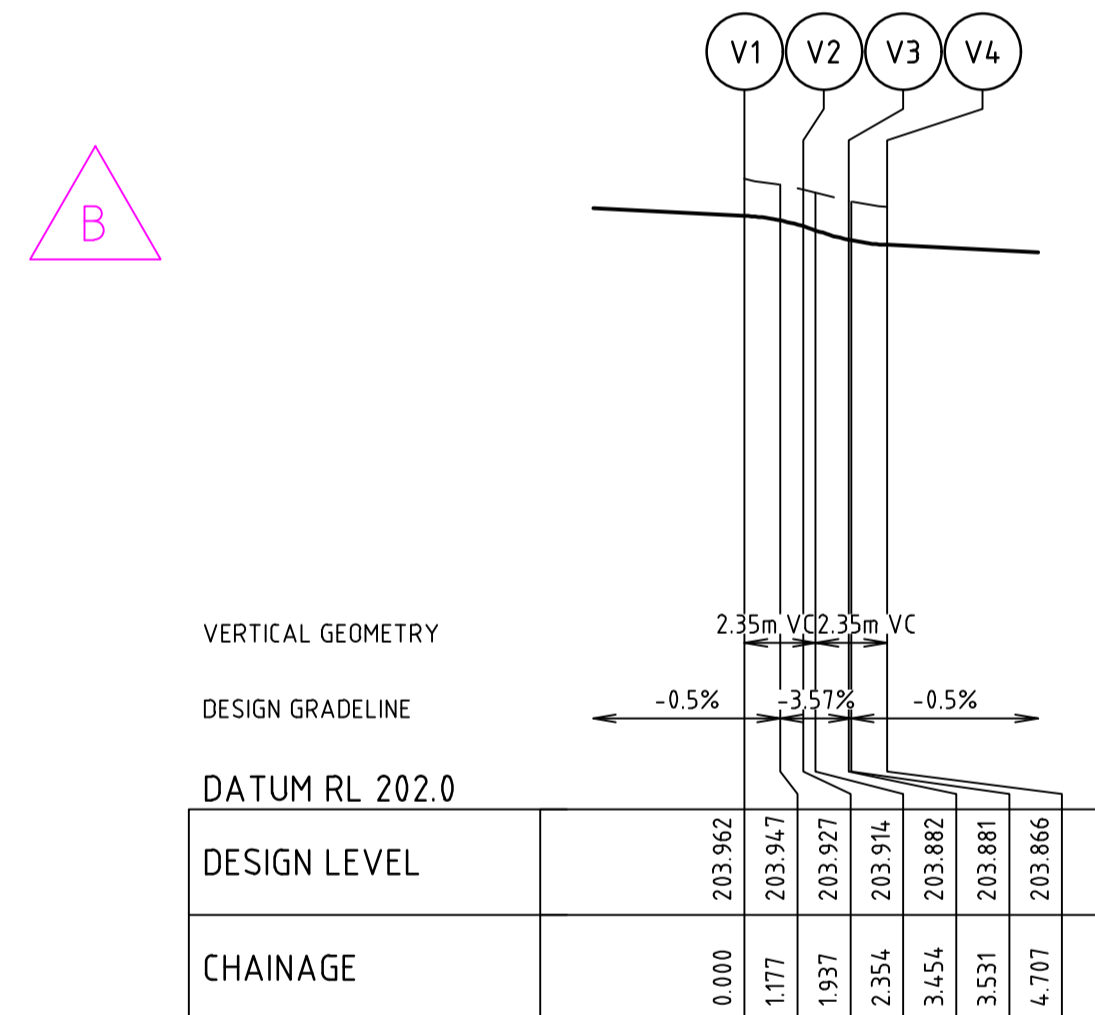


ALIGNMENT U

ALIGNMENT U

POINT NO	EASTING	NORTHING	RL
U1	300182.150	5841203.966	204.036
1/4	300182.405	5841203.800	204.035
1/2	300182.622	5841203.588	204.035
3/4	300182.793	5841203.337	204.037
U2	300182.913	5841203.057	204.040
U3	300183.392	5841201.535	204.076
1/4	300183.581	5841201.093	204.085
1/2	300183.852	5841200.697	204.091
3/4	300184.195	5841200.361	204.093
U4	300184.597	5841200.098	204.093

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
U1-U2	1.550	1.217	1.186	0.118	0.030
U3-U4	2.450	1.924	1.875	0.186	-0.047

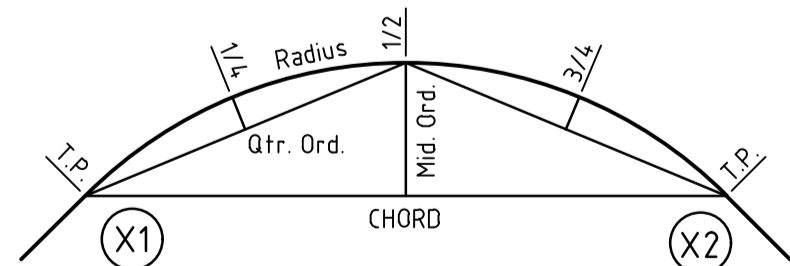


ALIGNMENT V

ALIGNMENT V

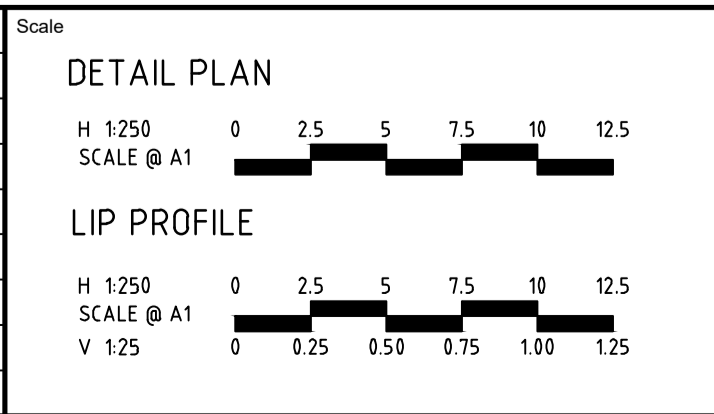
POINT NO	EASTING	NORTHING	RL
V1	300207.862	5841187.975	203.962
1/4	300208.310	5841187.793	203.958
1/2	300208.785	5841187.702	203.951
3/4	300209.268	5841187.706	203.940
V2	300209.741	5841187.805	203.927
V3	300211.188	5841188.261	203.882
1/4	300211.495	5841188.324	203.876
1/2	300211.808	5841188.325	203.871
3/4	300212.114	5841188.263	203.868
V4	300212.402	5841188.140	203.866

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
V1-V2	2.450	1.937	1.887	0.189	-0.048
V3-V4	1.550	1.254	1.220	0.125	0.032



KERB RETURN SETOUT DETAIL

Rev	Amendments	Approved	Date
B	ALIGNMENT U AMENDED	M.T-S	15/11/21
A	ISSUED TO COUNCIL	M.T-S	11/05/21



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Sherwood
Grange

Designed
L. TRAN
Authorised
M. TOOMER-SMITH

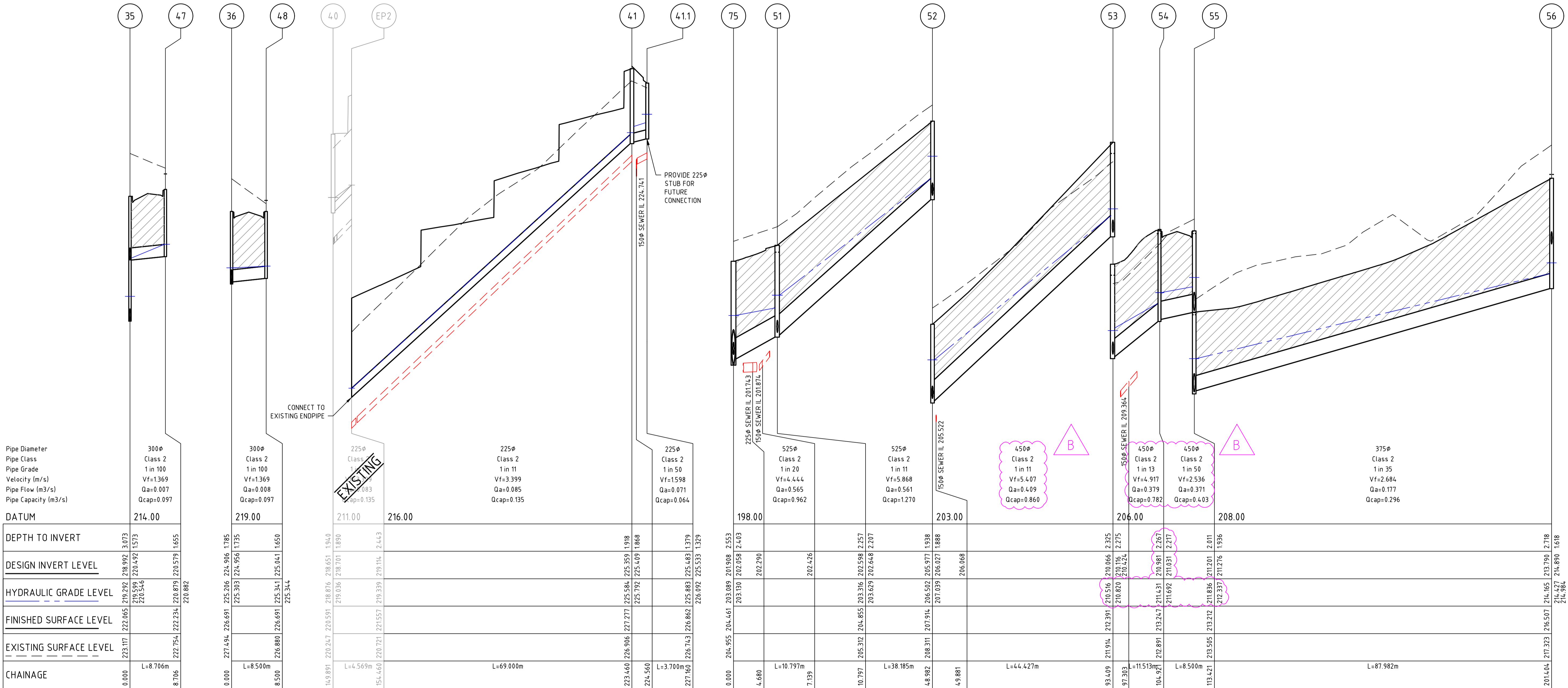
Checked
J. KOEHLER
Date

SHERWOOD GRANGE
STAGE 4
ROAD AND DRAINAGE
INTERSECTION DETAILS - SHEET 2
HUME CITY COUNCIL
RACECOURSE ROAD HOLDING PTY LTD

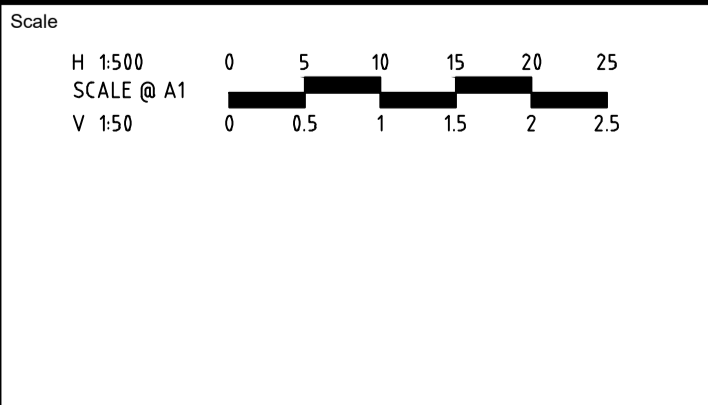
PRELIMINARY 305948CR501

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file location: \\spiremedia\data\305948\305948.dwg



Rev	Description	Approved	Date
B	DRAINAGE PIPE 52-55 AMENDED	M.T-S	15/11/21
A	ISSUED TO COUNCIL	M.T-S	11/05/21
Rev	Amendments	Approved	Date



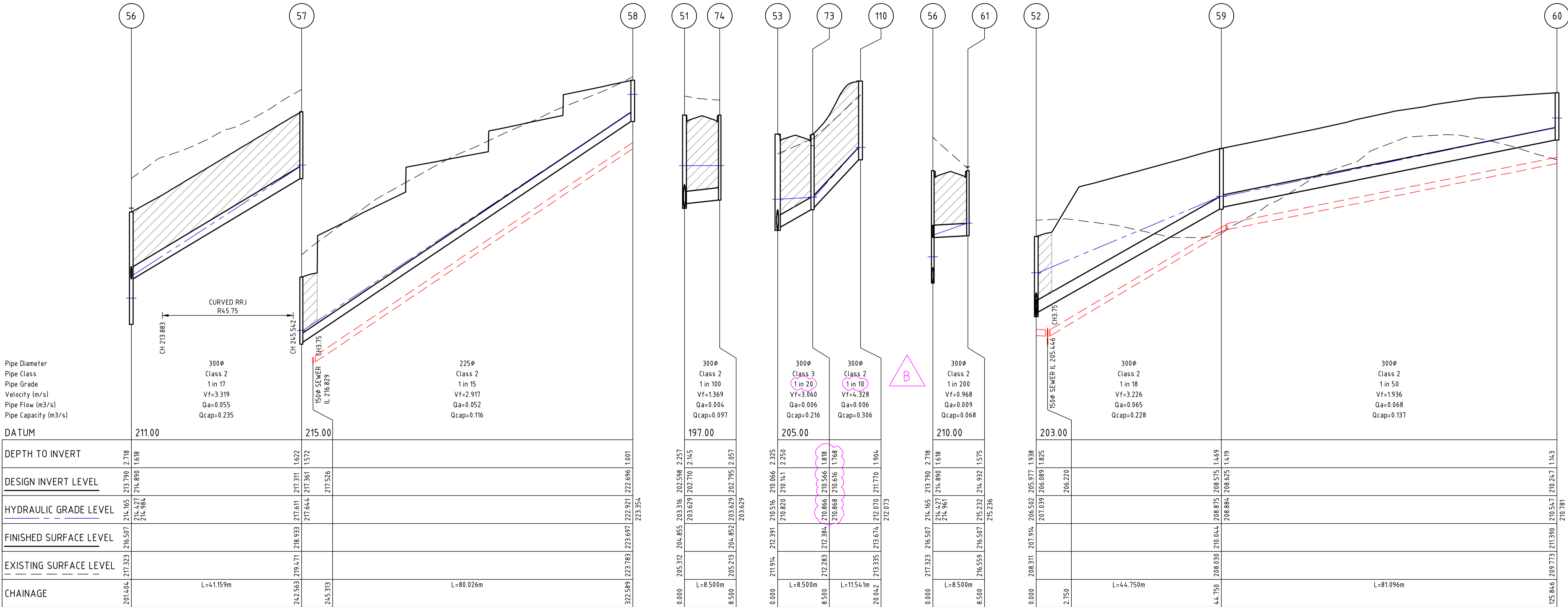
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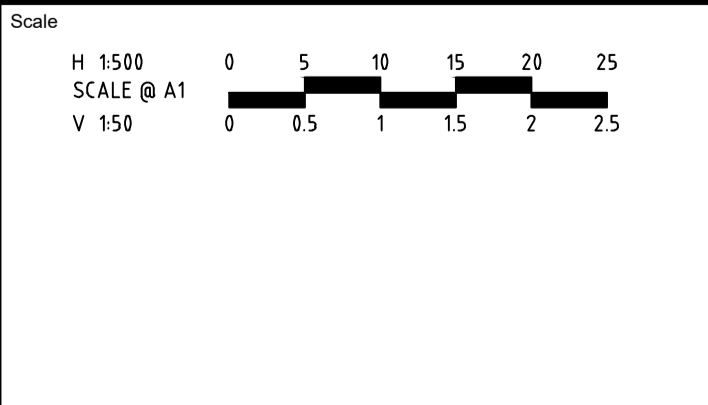
Sherwood Grange
Designed
L. TRAN
Authorised
M. TOOMER-SMITH
Checked
J. KOEHLER
Date

**SHERWOOD GRANGE
STAGE 4
ROAD AND DRAINAGE
DRAINAGE LONG SECTIONS - SHEET 2**
HUME CITY COUNCIL
RACECOURSE ROAD HOLDING PTY LTD
PRELIMINARY 305948CR601
Rev B

file name: 305948CR602.dwg layout name: CR602 plot date: 15/11/2021 4:10 PM Sheet: 28 of 45 Sheets
file location: \\spire\media\data\305948\305948.dwg



Rev	B	DRAINAGE PIPE 53-110 AMENDED	M.T-S	15/11/21
Rev	A	ISSUED TO COUNCIL	M.T-S	11/05/21
Rev		Amendments	Approved	Date



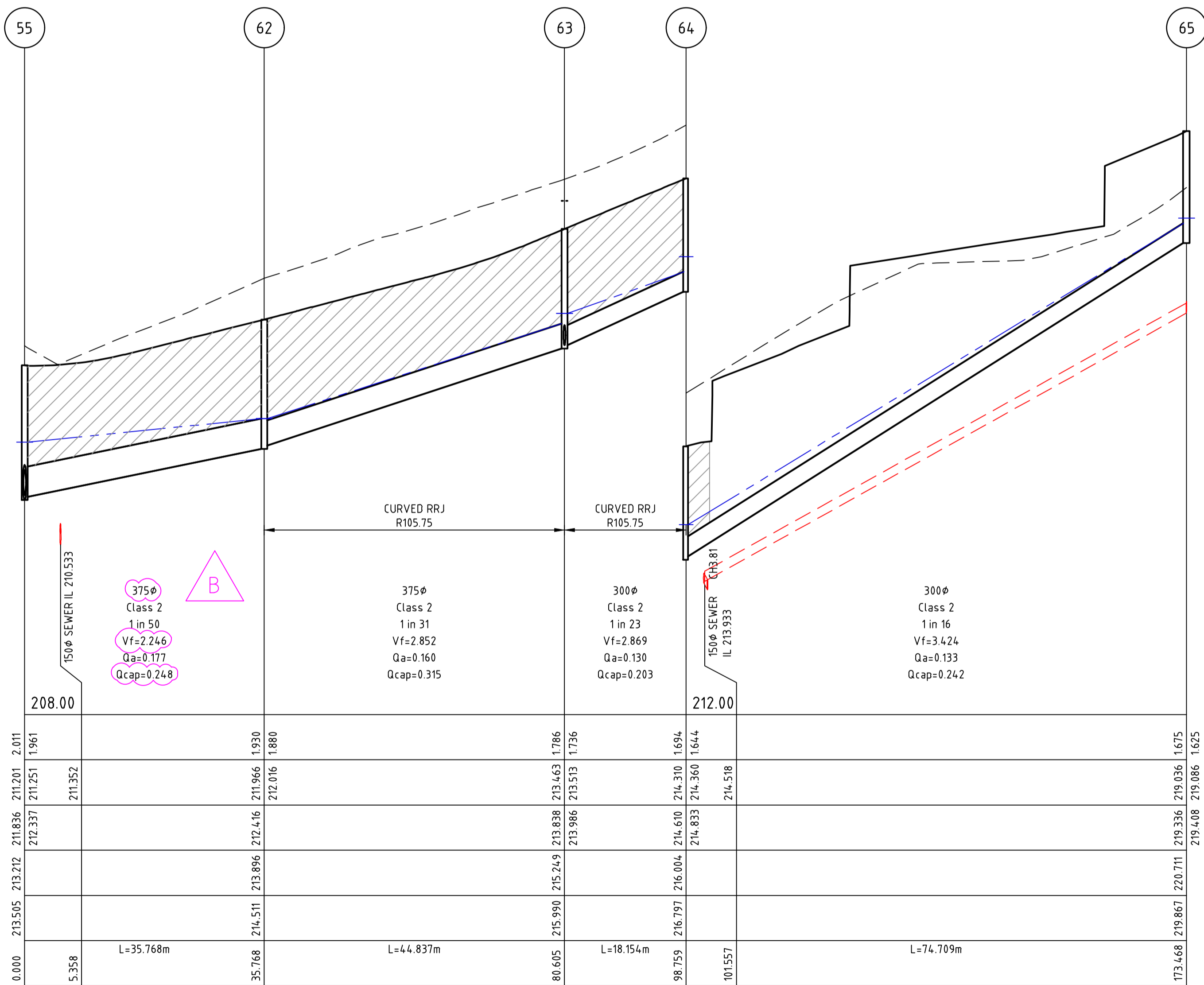
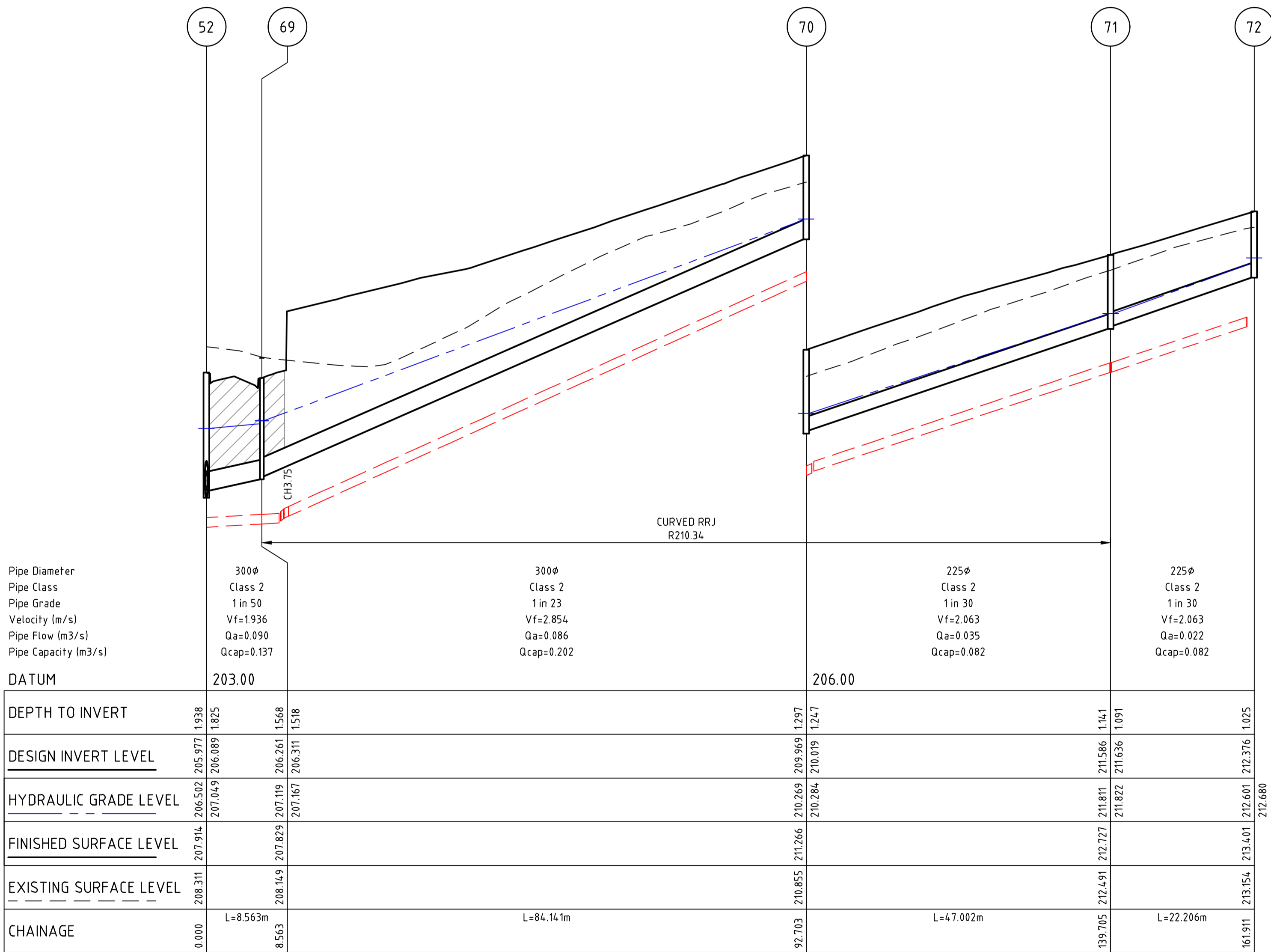
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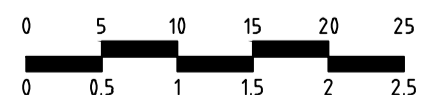
SHERWOOD GRANGE
STAGE 4
ROAD AND DRAINAGE
DRAINAGE LONG SECTIONS - SHEET 3
HUME CITY COUNCIL
RACECOURSE ROAD HOLDING PTY LTD
PRELIMINARY Drg No **305948CR602** Rev **B**

file name: 305948CR603.dwg layout name: CR603 plot date: 15/11/2021 4:10 PM Sheet: 29 of 45 Sheets
file location: \\spiremedia\data\305948.dwg



Scale

H 1500
SCALE @ A1
V 150



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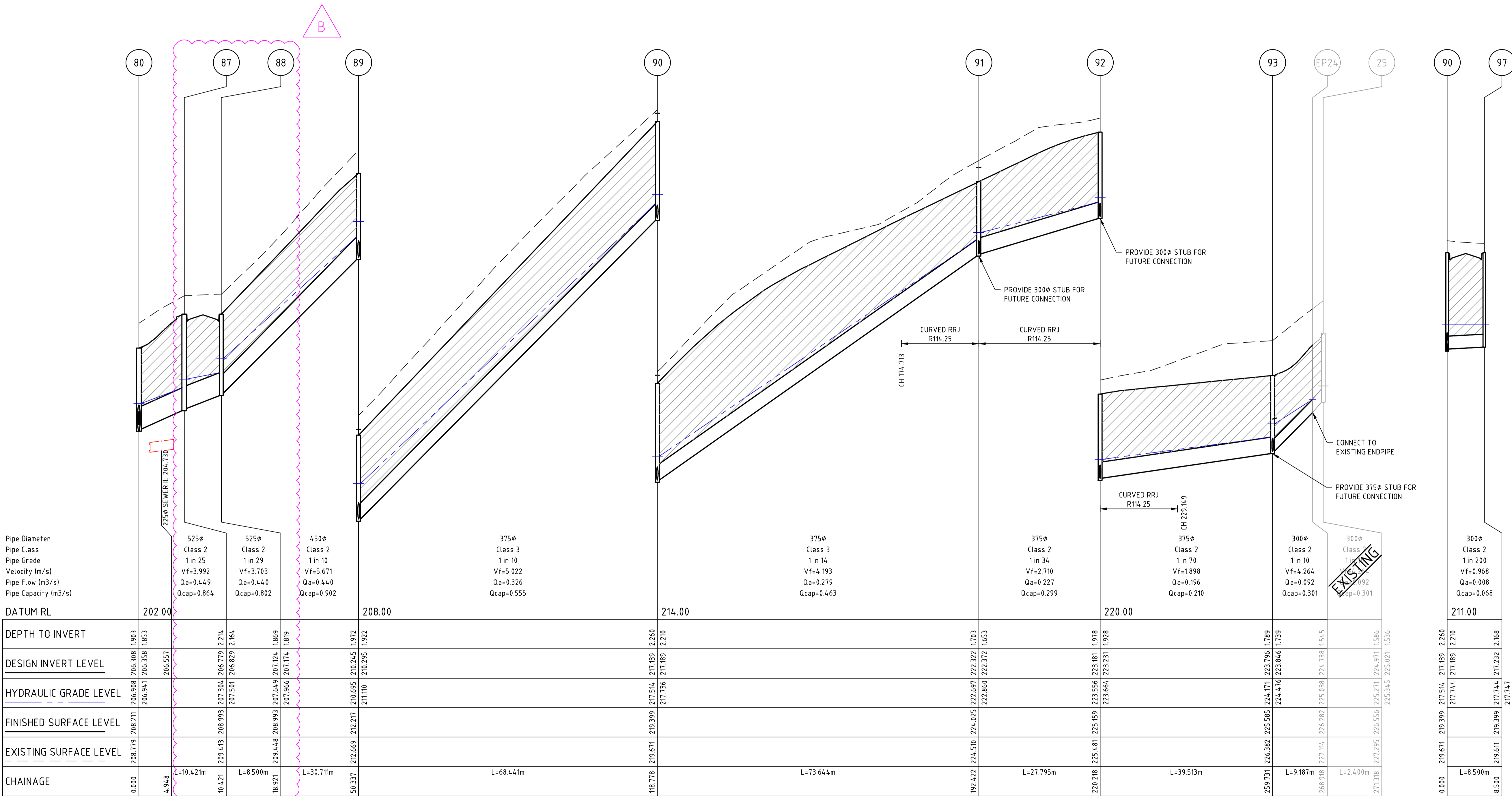
Designed
L. TRAN
Authorised
M. TOOMER-SMITH

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J. KOEHLER
Date

**SHERWOOD GRANGE
STAGE 4
ROAD AND DRAINAGE
DRAINAGE LONG SECTIONS - SHEET 4**
HUME CITY COUNCIL
RACECOURSE ROAD HOLDING PTY LTD

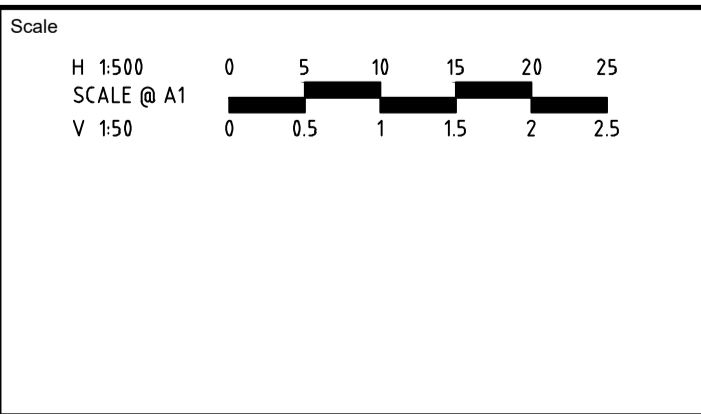
PRELIMINARY Drg No **305948CR603** Rev **B**

CRUSHED ROCK BACKFILL



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file location: \\spiiremedia\data\305948.dwg plot date: 15/11/2021 4:10 PM Sheet 31 of 45 Sheets

Rev	Amendments	Approved	Date
B	DRAINAGE PIPE 87-88 AMENDED	M.T-S	15/11/21
A	ISSUED TO COUNCIL	M.T-S	11/05/21



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Sherwood Grange

Designed
L. TRAN

Checked
J. KOEHLER

Authorised
M. TOOMER-SMITH

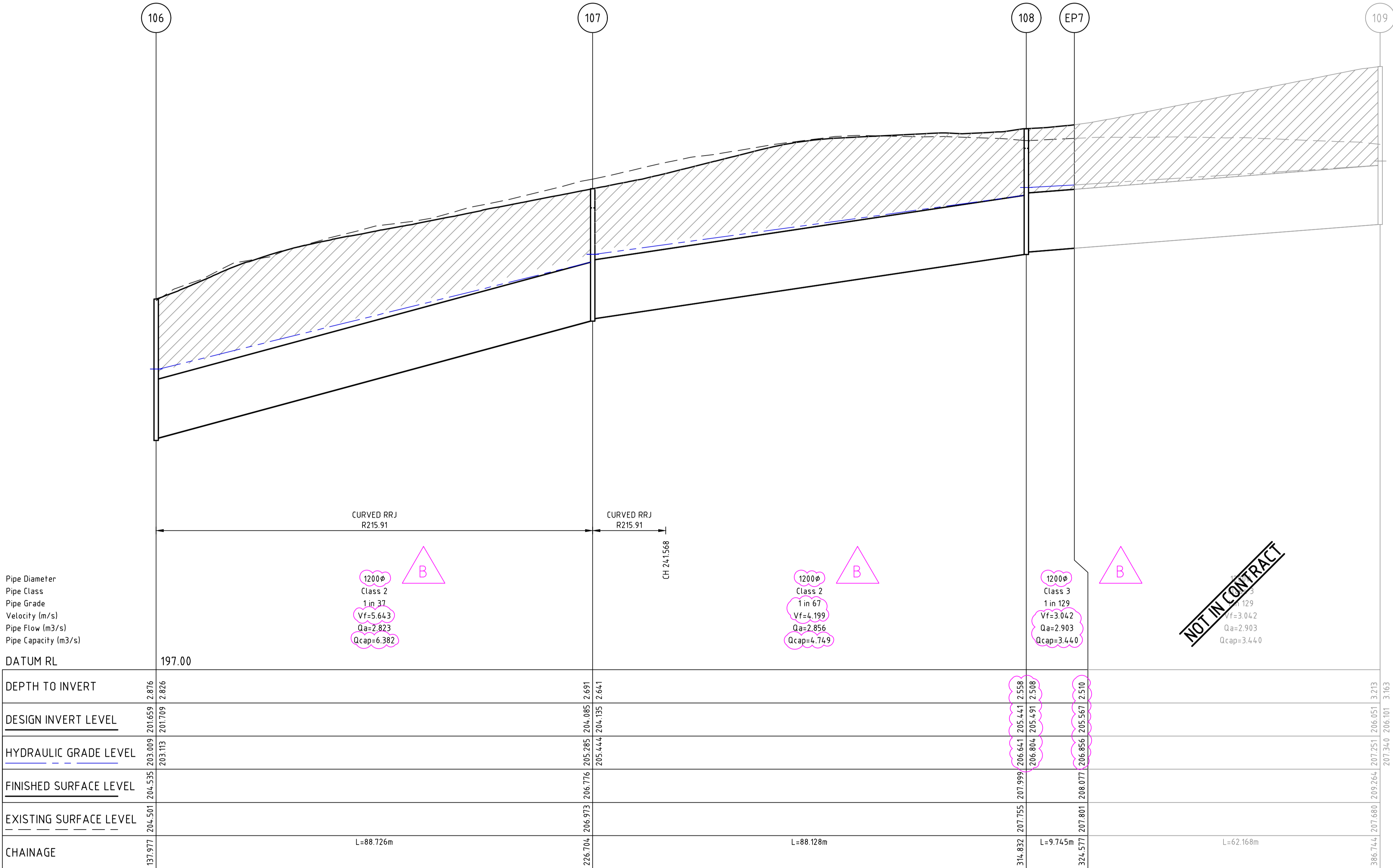
Date

**SHERWOOD GRANGE
STAGE 4
ROAD AND DRAINAGE
DRAINAGE LONG SECTIONS - SHEET 6
HUME CITY COUNCIL
RACECOURSE ROAD HOLDING PTY LTD**

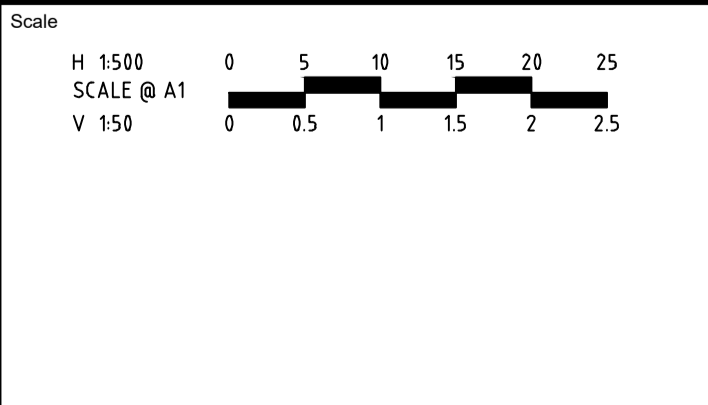
PRELIMINARY Drg No **305948CR605** Rev **B**

file name: 305948CR607.dwg, layout name: CR607, plotted by: Lilia Tran, file location: G:\305948\305948.dwg, A4 plot date: 15/11/2021, L10 PM Sheet: 33 of 45 Sheets

CRUSHED ROCK BACKFILL



B	DRAINAGE PIPE 106-EP7 AMENDED	M.T-S	15/11/21	
A	ISSUED TO COUNCIL	M.T-S	11/05/21	
Rev	Amendments	Approved	Date	



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Sherwood Grange

Designed
L. TRAN

Checked
J. KOEHLER

Authorised
M. TOOMER-SMITH

Date

SHERWOOD GRANGE
STAGE 4
ROAD AND DRAINAGE
DRAINAGE LONG SECTIONS - SHEET 8
HUME CITY COUNCIL
RACECOURSE ROAD HOLDING PTY LTD

PRELIMINARY Drg No **305948CR607** Rev **B**

PIT		INTERNAL		INLET		OUTLET		PIT		REMARKS
NAME	TYPE	WIDTH	LENGTH	DIA	INV LEVEL	DIA	INV LEVEL	FS LEVEL	DEPTH	
3	GRATED SIDE ENTRY PIT	600	900			300	202.658	204.389	1.731	REFER TO EDCM STD FIG 601 & 605
4	GRATED SIDE ENTRY PIT	1050	900	300	202.540	825	202.277	204.750	2.472	PIT COVER LEVEL TO BE ADJUSTED TO MATCH FS AND CONVERTED TO GSEP
26	GRATED SIDE ENTRY PIT	600	900		226.683	300	226.633	228.089	14.56	REFER TO EDCM STD FIG 601 & 605
				300						
EP8	ENDPIPE					300	228.274	229.967	1.693	BLANK OFF ENDPIPE WITH TIMBER
30	GRATED SIDE ENTRY PIT	600	900			300	226.726	228.089	1.363	REFER TO EDCM STD FIG 601 & 605
35	GRATED SIDE ENTRY PIT	900	900	300	220.492	300	218.992	222.065	3.073	REFER TO EDCM STD FIG 601 & 607
				300	220.492					
36	GRATED SIDE ENTRY PIT	600	900	300	224.956	300	224.906	226.691	1.785	REFER TO EDCM STD FIG 601 & 605
				300	224.956					
37	JUNCTION PIT	600	900			300	221.500	229.232	1.732	REFER TO EDCM STD FIG 605
41	JUNCTION PIT	600	900	225	225.409	225	225.359	221.277	1.918	REFER TO EDCM STD FIG 605
41.1	JUNCTION PIT	600	900	225	225.533	225	225.483	226.862	1.379	REFER TO EDCM STD FIG 605
47	GRATED SIDE ENTRY PIT	600	900			300	220.579	222.234	1.655	REFER TO EDCM STD FIG 601 & 605
48	GRATED SIDE ENTRY PIT	600	900			300	225.041	226.691	1.650	REFER TO EDCM STD FIG 601 & 605
50	GRATED SIDE ENTRY PIT	900	1050	825	201.856	825	201.806	204.486	2.679	REFER TO EDCM STD FIG 601 & 607
51	GRATED SIDE ENTRY PIT	900	1050	525	202.648	525	202.598	204.855	2.257	REFER TO EDCM STD FIG 601 & 607
				300	202.710					
52	GRATED SIDE ENTRY PIT	900	900	450	206.027	525	205.977	207.914	1.938	REFER TO EDCM STD FIG 601 & 607
				300	206.089					
				300	206.089					
53	GRATED SIDE ENTRY PIT	900	1050	450	210.116	450	210.066	212.391	2.325	REFER TO EDCM STD FIG 601 & 607
				300	210.141					
54	GRATED SIDE ENTRY PIT	900	1050	450	211.031	450	210.981	213.247	2.267	REFER TO EDCM STD FIG 601 & 607
55	GRATED SIDE ENTRY PIT	750	900	375	211.276	450	211.201	213.212	2.011	REFER TO EDCM STD FIG 601 & 607
				375	211.251					
56	GRATED SIDE ENTRY PIT	600	900	300	214.890	375	213.790	216.507	2.718	REFER TO EDCM STD FIG 601 & 605
				300	214.890					
57	GRATED SIDE ENTRY PIT	600	900	225	217.361	300	217.311	218.933	1.622	REFER TO EDCM STD FIG 605
58	JUNCTION PIT	600	900			225	222.696	223.697	1.001	REFER TO EDCM STD FIG 605
59	JUNCTION PIT	600	900	300	208.625	300	208.575	210.044	1.469	REFER TO EDCM STD FIG 605
60	JUNCTION PIT	600	900			300	210.247	211.390	1.143	REFER TO EDCM STD FIG 605
61	GRATED SIDE ENTRY PIT	600	900			300	214.932	216.507	1.575	REFER TO EDCM STD FIG 601 & 605
62	JUNCTION PIT	600	900	375	212.016	375	211.966	213.896	1.930	REFER TO EDCM STD FIG 605
63	GRATED SIDE ENTRY PIT	600	900	300	213.513	375	213.463	215.249	1.786	REFER TO EDCM STD FIG 601 & 605
				300	213.513					
64	JUNCTION PIT	600	900	300	214.360	300	214.310	216.004	1.694	REFER TO EDCM STD FIG 605
65	JUNCTION PIT	600	900	225	219.086	300	219.036	220.711	1.675	REFER TO EDCM STD FIG 605
66	JUNCTION PIT	600	900	225	222.141	225	222.091	223.274	1.183	REFER TO EDCM STD FIG 605
67	JUNCTION PIT	600	900			225	225.529	226.851		

PIT		INTERNAL		INLET		OUTLET		PIT		REMARKS
NAME	TYPE	WIDTH	LENGTH	DIA	INV LEVEL	DIA	INV LEVEL	FS LEVEL	DEPTH	
93	JUNCTION PIT	600	900	375	223.846	375	223.796	225.585	1.789	REFER TO EDCM STD FIG 601 & 605. TO BE CONVERTED TO GSEP IN FUTURE STAGE.
97	GRADED SIDE ENTRY PIT	600	900		223.846	300	217.232	219.399	2.168	REFER TO EDCM STD FIG 601 & 605
102	JUNCTION PIT	600	900	300	211.374	375	211.324	212.896	1.572	REFER TO EDCM STD FIG 605
103	JUNCTION PIT	900	900	300	219.249	300	219.199	221.749	2.550	REFER TO EDCM STD FIG 605
104	JUNCTION PIT	600	900	225	225.160	300	224.363	226.446	2.083	CONSTRUCT PIT OVER EXISTING DRAIN. REFER TO EDCM STD FIG 605
105	GRADED SIDE ENTRY PIT	1950	900	1350	201.113	1500	201.038	203.950	2.913	REFER TO EDCM STD FIG 601 & 607
106	GRADED SIDE ENTRY PIT	1800	900	1200	201.709	1350	201.659	204.535	2.876	REFER TO EDCM STD FIG 607
107	GRADED SIDE ENTRY PIT	1650	900	1200	204.135	1200	204.085	206.776	2.691	REFER TO EDCM STD FIG 601 & 607
108	GRADED SIDE ENTRY PIT	1650	900	1200	205.491	1200	205.441	207.999	2.558	REFER TO EDCM STD FIG 601 & 607
EP7	ENDPIPE					1200	205.567	208.077	2.510	BLANK OFF ENDPIPE WITH TIMBER
110	GRADED SIDE ENTRY PIT	900	900			300	211.770	213.674	1.904	REFER TO EDCM STD FIG 601 & 605

PROPERTY INLET NOTES

- The diagram illustrates the construction and setout details for two types of drainage pits: Haunched Pits and Typical Drainage Pits.

HAUNCHED PITS UNDER NATURE STRIP
 NOT TO SCALE
 REFER NOTES BELOW DRAINAGE PIT SCHEDULE FOR CONSTRUCTION DETAILS

The plan view shows a circular pit with a diameter of $OD/2 + 50 \text{ MIN}$. The side view shows a haunched structure with a length of 900mm and a setout point 'A' at the back of the kerb.

TYPICAL DRAINAGE PIT SETOUT POINT 'A'
 SIDE ENTRY PIT
 NOT TO SCALE

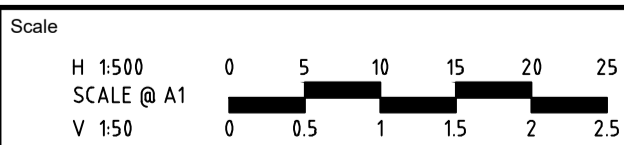
The plan view shows a rectangular pit with a length (L) and width (W). The setout point 'A' is at the back of the kerb, aligned with the proposed kerb. The side view shows the pit structure with a length (L) and width (W), and a setout point 'A' at the back of the kerb.

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

The plan view shows a rectangular pit with a length (L) and width (W). The setout point 'B' is at the junction of the pit, aligned with the lot boundary. The side view shows the pit structure with a length (L) and width (W), and a setout point 'B' at the junction of the pit.

NAME	POINT	EASTING	NORTHING
37	A	299983.026	5841023.917
41	B	299917.356	5841098.173
58	B	300031.430	5841067.509
59	B	300127.808	5841169.144
60	B	300055.958	5841206.750
65	B	300136.046	5841015.106
66	B	300073.995	5841025.973
67	B	300018.834	5841035.633
70	B	300238.952	5841091.005
71	B	300263.503	5841051.041
72	B	300270.562	5841029.987
75	B	300181.258	5841192.301
76	B	300203.193	5841180.829
91	A	300149.368	5840956.532
92	A	300121.651	5840955.799
93	A	300082.678	5840962.270
102	A	300301.676	5840948.820
103	A	300221.765	5840923.830
104	A	300158.319	5840903.989

B	PIT SCHEDULE AMENDED	M.T-S	15/11/21
A	ISSUED TO COUNCIL	M.T-S	11/05/21
Rev	Amendments	Approved	Date



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ESTABLISHED 1824
**Sherwood
Grange**

Designed
L. TRAN

Authorised
M. TOOMER-SMITH

Checked
J. KOEHLER

Date _____

SHERWOOD GRANGE
STAGE 4
ROAD AND DRAINAGE
DRAINAGE LONG SECTIONS - SHEET 9
HUME CITY COUNCIL
RACECOURSE ROAD HOLDING PTY LTD

PRELIMINARY Drg No
305948CR608

Rev
B

DESIGN PAVEMENT PROFILE

PAVEMENT LAYER	DESCRIPTION	DEPTH (mm)	
		TYPE A*	TYPE B*
ASPHALT WEARING COURSE	SIZE 10 TYPE L CLASS 320 ASPHALT	30	40
ASPHALT INTERMEDIATE COURSE	SIZE 14 TYPE H CLASS 320 ASPHALT		75
ASPHALT BASE COURSE	SIZE 20 TYPE SI CLASS 320 ASPHALT	30	75
	SIZE 10 TYPE N CLASS 320 ASPHALT		
	SIZE 20 TYPE SF CLASS 320 ASPHALT		
	SIZE 20 TYPE SI CLASS 320 ASPHALT		
	SIZE 10 SAMI SEAL CLASS S18RF	Y	Y
	PRIMECOAT	Y	Y
BASE COURSE	SIZE 20mm CLASS 2 CRUSHED ROCK	130	150
SUBBASE COURSE	SIZE 20mm CLASS 3 CRUSHED ROCK	230	150
TOTAL PAVEMENT DEPTH		420	490

* REFER PAVEMENT PLAN FOR LOCATION OF PAVEMENT TYPES

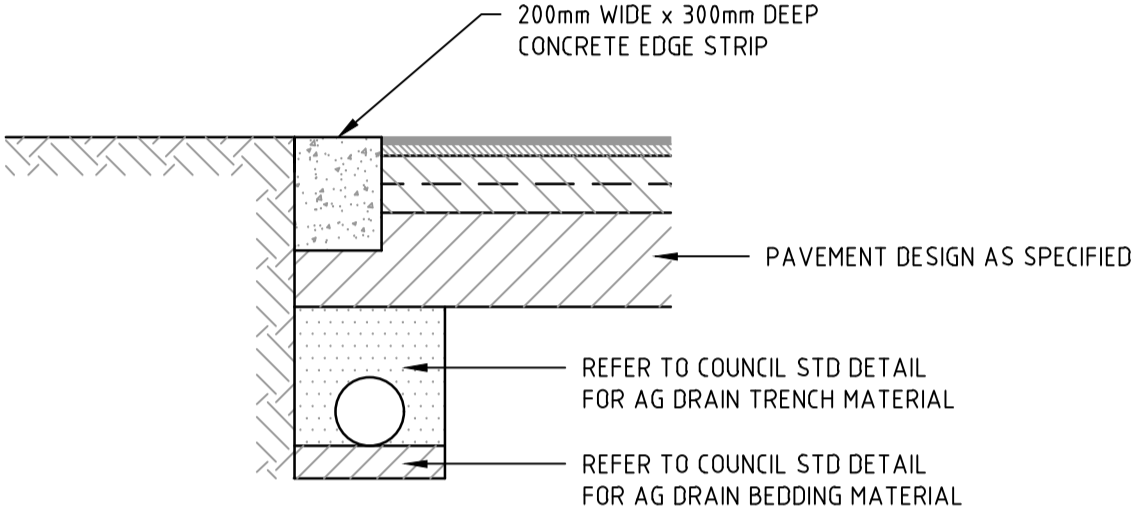
ROAD NAME	TYPE
BARLOW STREET	A
LYTTTELTON PLACE	A
CHIPPERFIELD AVENUE	A
PEATE WAY	A
HENDRY DRIVE	A
IREDALE PROMENADE	B

PAVEMENT DETAILS CBR 3.5%

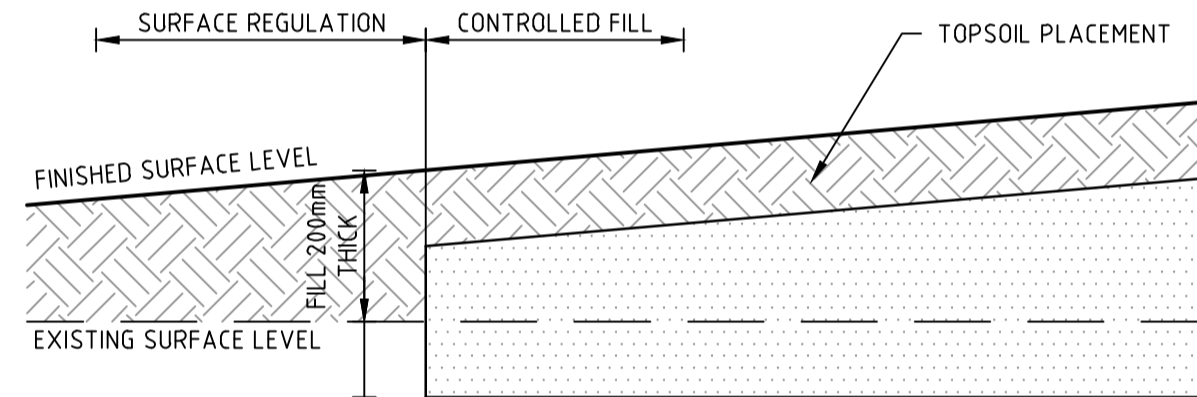
NOTES:
1. SUBGRADE TO HAVE A MINIMUM COMPACTION DRY DENSITY RATIO OF 98% STANDARD COMPACTION AT MOISTURE CONTENTS OF ±2.5% OF STANDARD OPTIMUM MOISTURE CONTENT. SUBGRADE TO BE PROOF ROLLED PRIOR TO PLACEMENT OF CAPPING LAYER.

GENERAL NOTES:

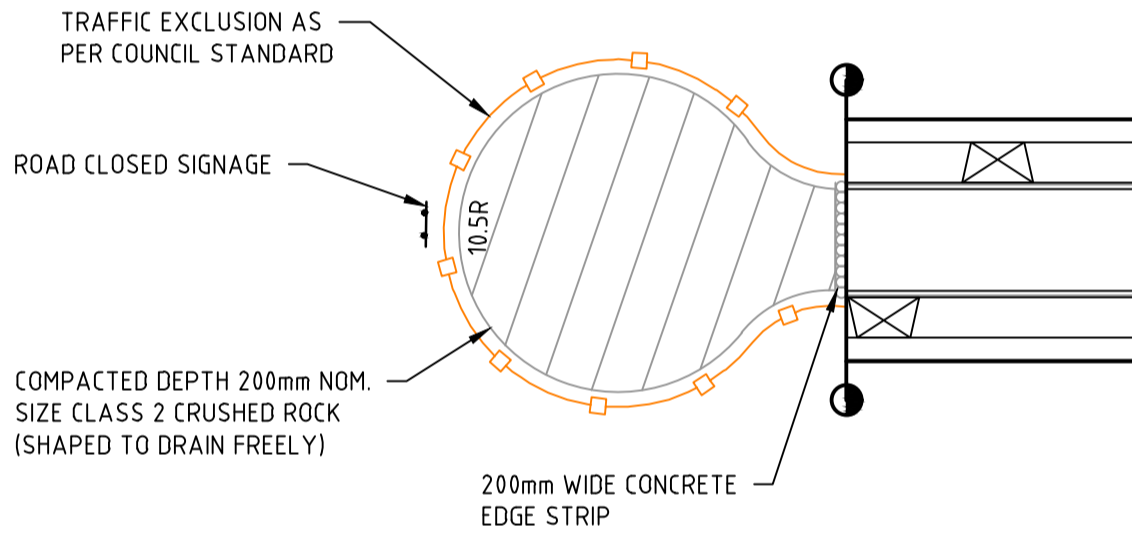
- ALL WORKS TO BE COMPLETED IN ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARDS AND CCAA LITERATURE, OR VIC ROADS STANDARDS FOR NON RESIDENTIAL STREETS.
- ALL CONCRETE TO BE MINIMUM 32MPa COMPRESSIVE STRENGTH
- CONCRETE TO BE THOROUGHLY COMPACTED USING EITHER SURFACE AND/OR IMMERSION VIBRATORS, PARTICULARLY AROUND REINFORCEMENT AND IN CORNERS OF FORMS.
- PRIOR TO CASTING, THE UNBOUND GRANULAR SUBBASE MUST BE DAMP TO ENSURE NO EARLY "DRYING OUT" OF THE CONCRETE.
- CURING OF CONCRETE IS ESSENTIAL - IDEALLY BY MAINTAINING WET HESSIAN OR SEALING WITH PLASTIC SHEETING.
- SAW CUTTING OF CONCRETE SHOULD BE COMMENCED AS SOON AS CONCRETE PERMITS BY EXPERIENCED CONTRACTORS, BUT NO LATER THAN 12 HOURS AFTER POUR.
- ALL DOWELS TO BE GRADE 250R STEEL BARS, 450mm LONG AND PLACED AT 300mm CENTRES. REFER CCAA- "CONCRETE PAVEMENT DESIGN FOR RESIDENTIAL STREETS" FOR DOWEL DIAMETERS. DOWELS MUST BE ACCURATELY PLACED TO ENSURE THE JOINT DOES NOT "LOCK". INSERTION OF DOWELS DURING THE PLACING OF CONCRETE IS NOT ACCEPTABLE. DOWELS MUST BE SAWN AND NOT CROPPED.
- ALL JOINTS TO BE APPROPRIATELY SEALED TO RESIST THE INTRUSION OF SAND AND GRAVEL AND TO MINIMISE THE INGRESS OF WATER.



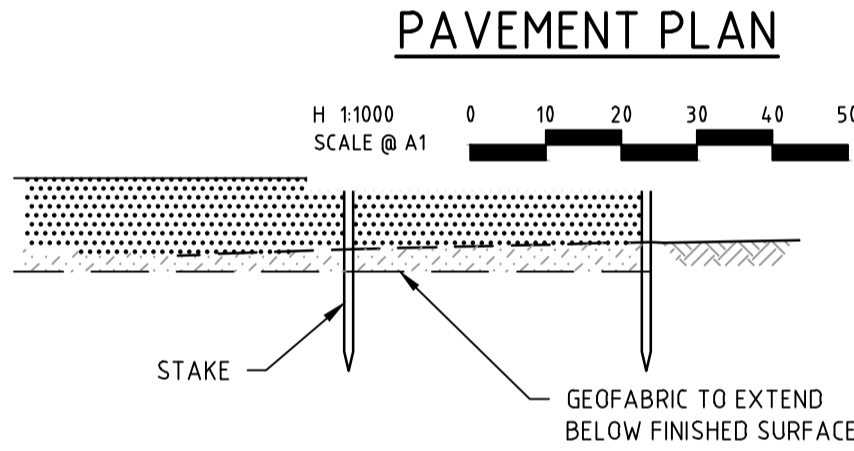
LIMIT OF WORKS CONCRETE EDGE STRIP & PAVEMENT INTERFACE DETAIL



LOT REGRADING DETAIL



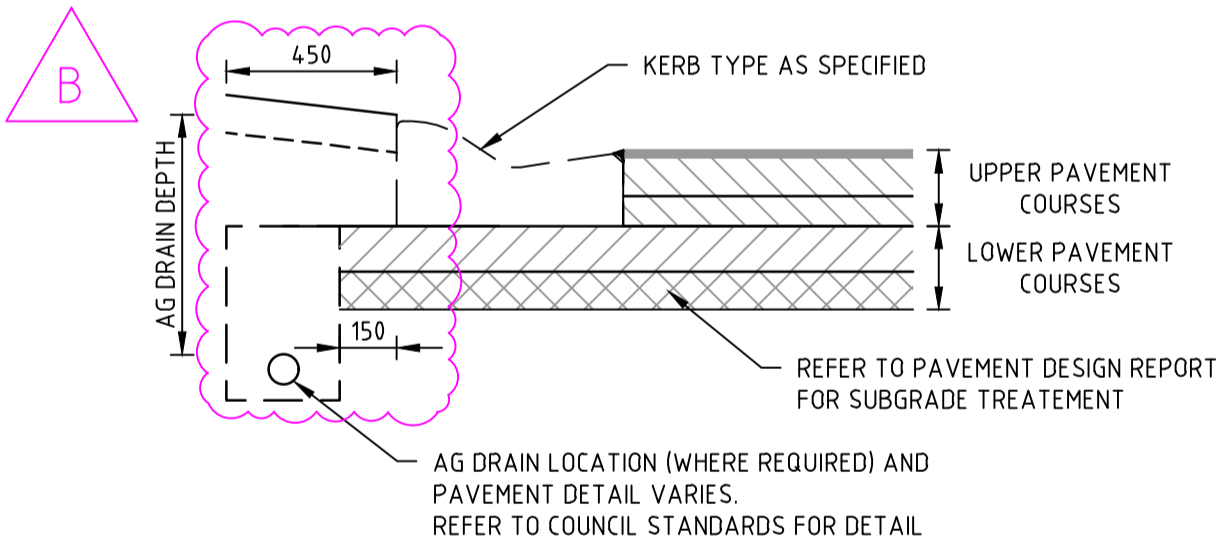
TEMPORARY TURNING AREA DETAIL



PAVEMENT PLAN

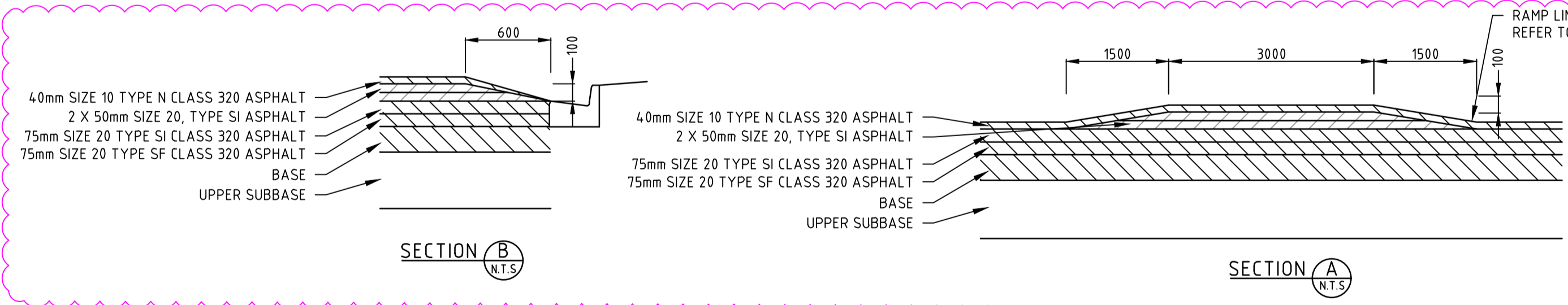
SILT CONTROL FOR LOTS

GEOFABRIC SILT FENCE



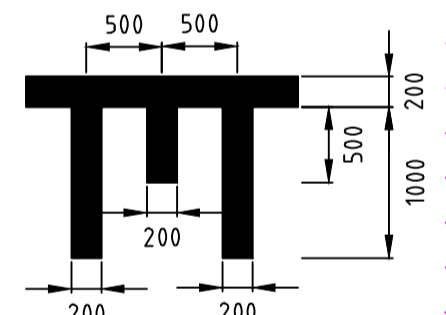
TYPICAL SUBSURFACE DRAIN DETAIL FOR NON-EXPANSIVE SUBGRADE

REFER TO AUTHORITY REQUIREMENTS & (EDCH2026) FOR SPECIFIC DETAILS



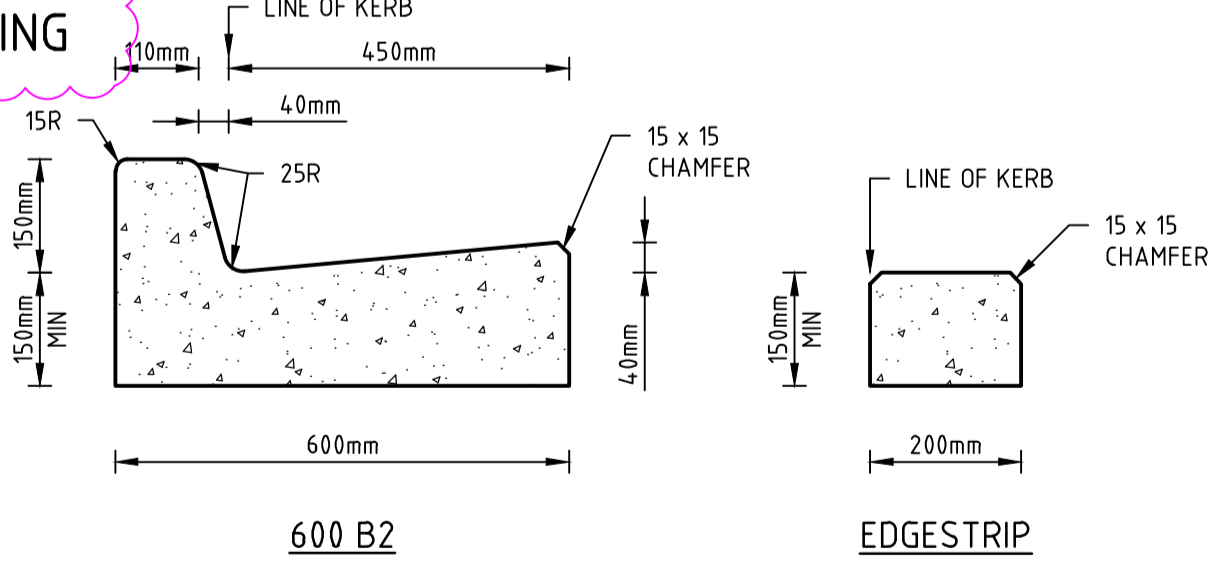
SECTION B

SECTION A



RAMP LINE MARKING

(DIMENSION IN MILLIMETERS)



STANDARD KERB PROFILES

NOTE: ALL KERB & CHANNEL AS PER GAA STD DRAWING EDCH 301



PAVEMENT DETAILS

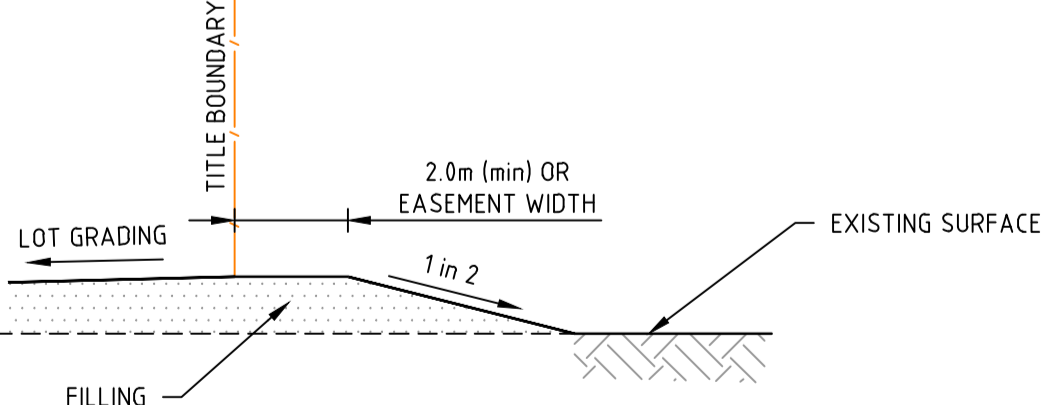
THE PAVEMENT DESIGNS SHOWN HERE HAVE BEEN DESIGNED/PROVIDED BY TONKIN + TAYLOR PTY. LTD. WHO ARE RESPONSIBLE FOR THE GEOTECHNICAL WORK ON THIS PROJECT. SPIIRE IS NOT RESPONSIBLE FOR THE WORK OF TONKIN + TAYLOR PTY. LTD.

THE DESIGN HAS BEEN EXTRACTED FROM THE TONKIN + TAYLOR PTY. LTD. REPORT ON "GEOTECHNICAL INVESTIGATION FOR SHERWOOD HEIGHTS ESTATE, RACECOURSE ROAD, SUNBURY (JULY, 2020, REPORT 1009453.1000.R1.v4)" THIS DOCUMENT SHOULD BE REVIEWED TO ENSURE THAT THE DESIGN HAS BEEN ACCURATELY REPRODUCED.

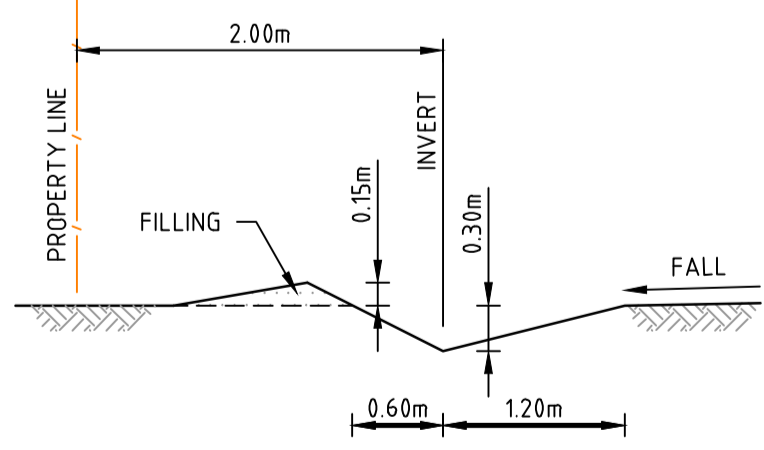
A COPY OF THE DOCUMENT WILL BE PROVIDED ON REQUEST.

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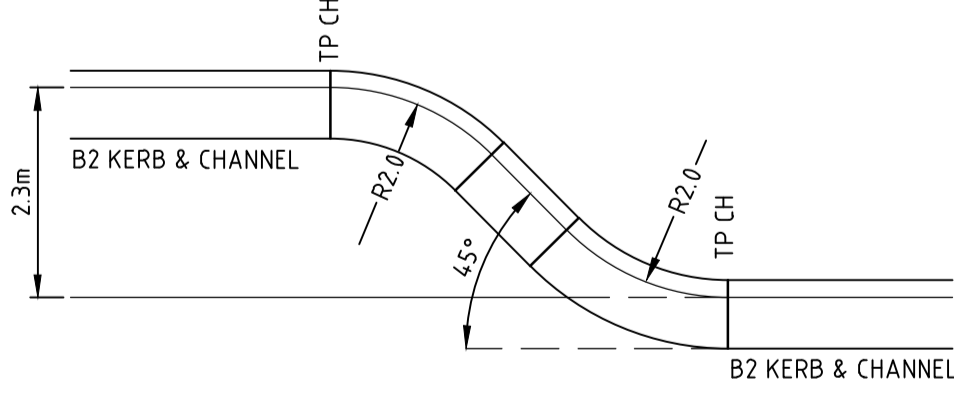
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LOT FILLING AT STAGE BOUNDARY



TYPICAL CATCH DRAIN SECTION



TYPICAL PARKING BAY DETAIL

NOT TO SCALE

NOT TO SCALE

file name: 305948CR700.dwg layout name: CR7000 plotted by: Lillian Tran
file location: G:\305948\305948.dwg\305948.dwg\305948.dwg plot date: 15/11/2021 4:11 PM Sheet: 35 of 45 Sheets

Rev	Amendments	Approved	Date
B	SUBSURFACE DRAIN DETAIL AMENDED & RAISED PAVEMENT DETAIL ADDED	M.T-S	15/11/21
A	ISSUED TO COUNCIL	M.T-S	11/05/21



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Designed
L. TRAN
Authorised
M. TOOMER-SMITH
Checked
J. KOEHLER
Date

SHERWOOD GRANGE
STAGE 4
ROAD AND DRAINAGE
PAVEMENT AND TYPICAL DETAILS - SHEET 1
HUME CITY COUNCIL
RACECOURSE ROAD HOLDING PTY LTD

PRELIMINARY
305948CR700
B

LINEMARKING LEGEND

SYMBOL	DESCRIPTION	REMARK
	HOLDING LINE (GIVEWAY)	600mm LINE, 600mm GAP, 300mm WIDE
	CONTINUITY LINE (STATCON)	600mm LINE, 600mm GAP, 150mm WIDE
	CONTINUOUS LANE LINE	150mm WIDE
	UNI-DIRECTIONAL RRPM	REFER AS1742.2 - 2009
	BI-DIRECTIONAL RRPM	REFER AS1742.2 - 2009

SIGNAGE SCHEDULE

REFERENCE	SIGN
1	
2	 R1-2
3	 D4-2-1
4	 G9-20
5	 D4-5
6	 W5-10
7	 W8-2
8	 W3-4

NOTE: 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.



EXISTING STAGE 2

FUTURE STAGE 3

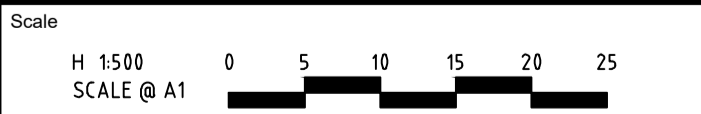
FUTURE STAGE 5

FOR CONTINUATION REFER TO DRAWING CR801

FOR CONTINUATION REFER TO DRAWING CR801

file name: 305948CR800.dwg, layout name: CR800, plotted by: Lilia Tran, file location: G:\305948\305948.dwg, plot date: 15/11/2021 4:12 PM, Sheet 38 of 45 Sheets

Rev	Amendments	Approved	Date
B	SIGNS FOR RAISED PAVEMENT ADDED	M.T-S	15/11/21
A	ISSUED TO COUNCIL	M.T-S	11/05/21

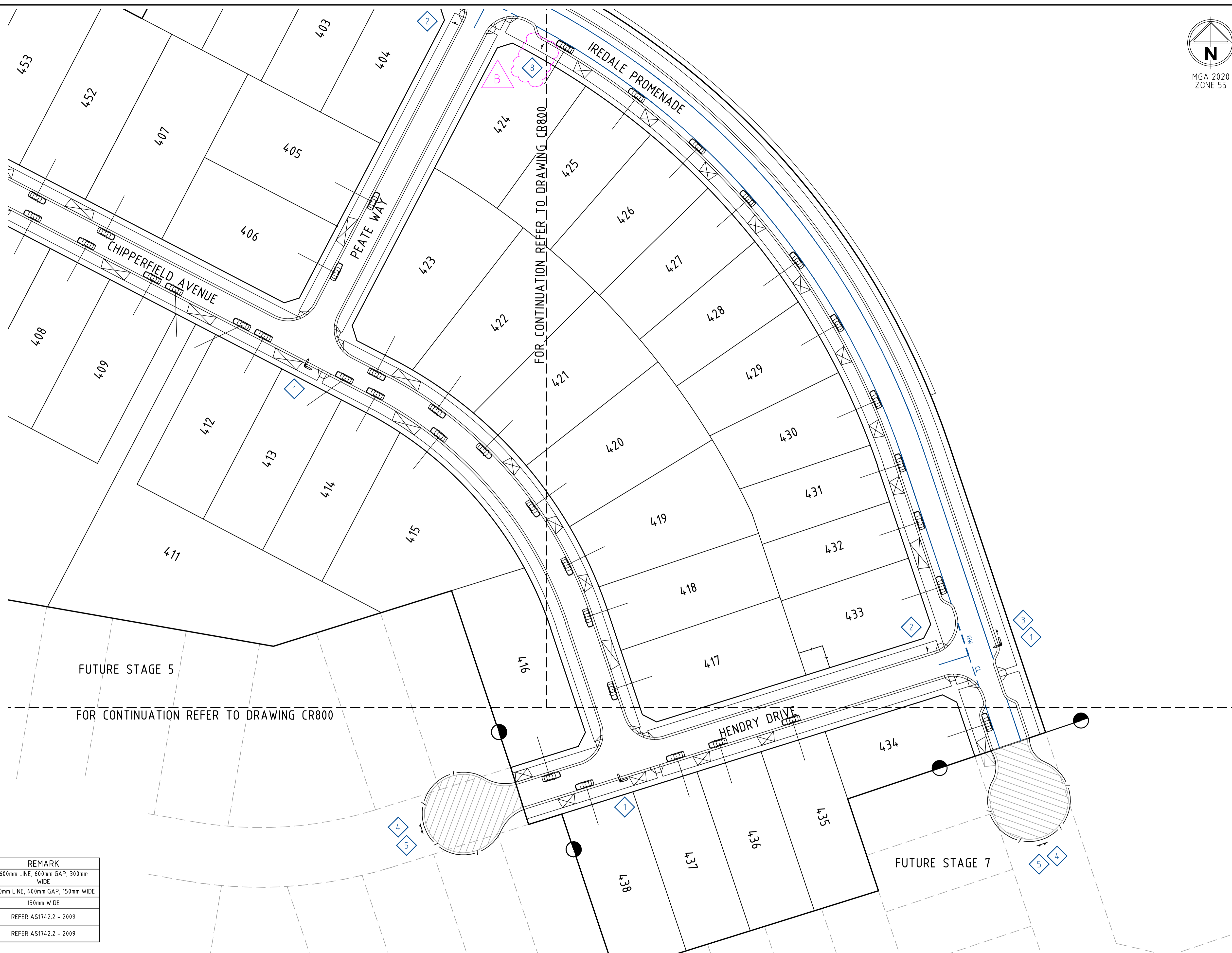


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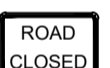








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Sherwood Grange
Designed
L. TRAN
Authorised
M. TOOMER-SMITH
Checked
J. KOEHLER
Date

**SHERWOOD GRANGE
STAGE 4
ROAD AND DRAINAGE
SIGNAGE AND LINEMARKING - SHEET 1**
HUME CITY COUNCIL
RACECOURSE ROAD HOLDING PTY LTD
PRELIMINARY Drg No **305948CR800** Rev **B**








SIGNAGE SCHEDULE

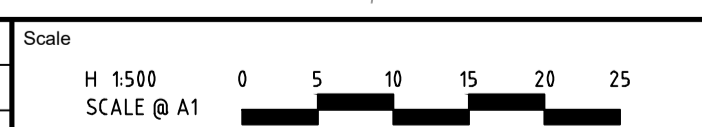
REFERENCE	SIGN
	 R1-2
	 R1-2
	 D4-2-1
	 G9-20
	 D4-5
	 W5-10
	 W8-2
	 W3-4

NOTE: 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.

LINEMARKING LEGEND

SYMBOL	DESCRIPTION	REMARK
	HOLDING LINE (GIVEWAY)	600mm LINE, 600mm GAP, 300mm WIDE
	CONTINUITY LINE (STATCON)	600mm LINE, 600mm GAP, 150mm WIDE
	CONTINUOUS LANE LINE	150mm WIDE
	UNI-DIRECTIONAL RRPM	REFER AS1742.2 - 2009
	BI-DIRECTIONAL RRPM	REFER AS1742.2 - 2009

B	SIGNS FOR RAISED PAVEMENT ADDED	M.T-S	15/11/21
A	ISSUED TO COUNCIL	M.T-S	11/05/21
Rev	Amendments	Approved	Date



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ESTABLISHED - 1924

**Sherwood
Grange**



Designed
L. TRAN

Authorised
M. TOOMER-SMITH

Checked
J. KOEHLER
Date

**SHERWOOD GRANGE
STAGE 4**
ROAD AND DRAINAGE
SIGNAGE AND LINEMARKING - SHEET 2
HUME CITY COUNCIL
RACECOURSE ROAD HOLDING PTY LTD

PRELIMINARY Drg No 305948CR801 Rev B

file name 3059\48CR800.dwg layout name CR801 plotted by Lilien Tran
file location \\spaire.mel\data\30\3059\48\Civil\ACAD plot date 15/11/2021 4:12 PM Sheet 39 of 45 Sheets



LEGEND

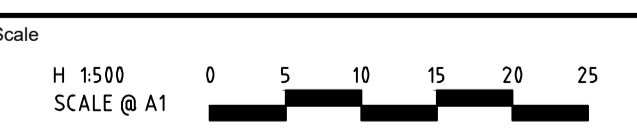
EXISTING CONCRETE SLEEPER RETAINING WALL	---
EXISTING ROCK RETAINING WALL	---
FUTURE CONCRETE SLEEPER RETAINING WALL	---
CONCRETE SLEEPER RETAINING WALL	---
ROCK RETAINING WALL	---

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

B	RETAINING WALL REMOVED	M.T-S	15/11/21		
A	ISSUED TO COUNCIL	M.T-S	11/05/21		
Rev	Amendments	Approved	Date		



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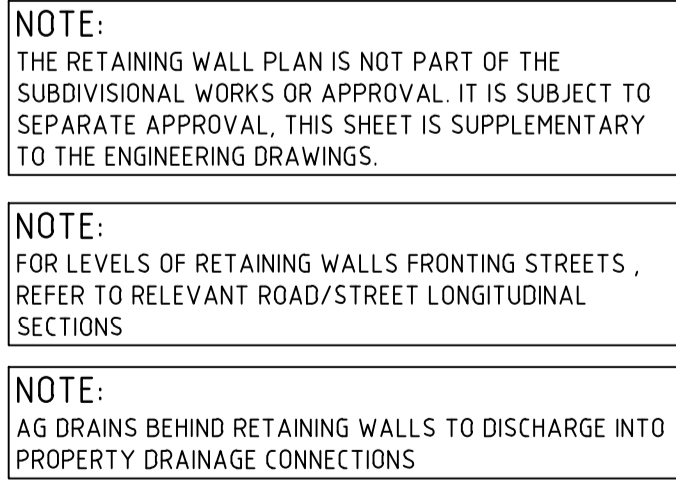
414 LA TROBE STREET PO BOX 16084 MELBOURNE
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spiire.com.au ABN 55 050 029 635

Designed L. TRAN	Checked J. KOEHLER
Authorised M. TOOMER-SMITH	Date

**SHERWOOD GRANGE
STAGE 4
ROAD AND DRAINAGE
RETAINING WALL - SHEET 1**
HUME CITY COUNCIL
RACECOURSE ROAD HOLDING PTY LTD

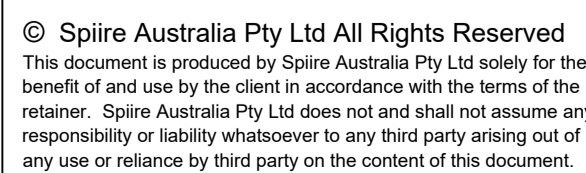
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file location: G:\305948\305948.dwg plot date: 15/11/2021 4:34 PM Sheet 40 of 45 Sheets



Scale
H 1:500
SCALE @ A1

A horizontal scale bar with five segments. Above the bar, the numbers 0, 5, 10, 15, 20, and 25 are marked at regular intervals. The bar itself is a solid black line.



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Designed
L. TRAN

Authorised
M. TOOMER-SMITH

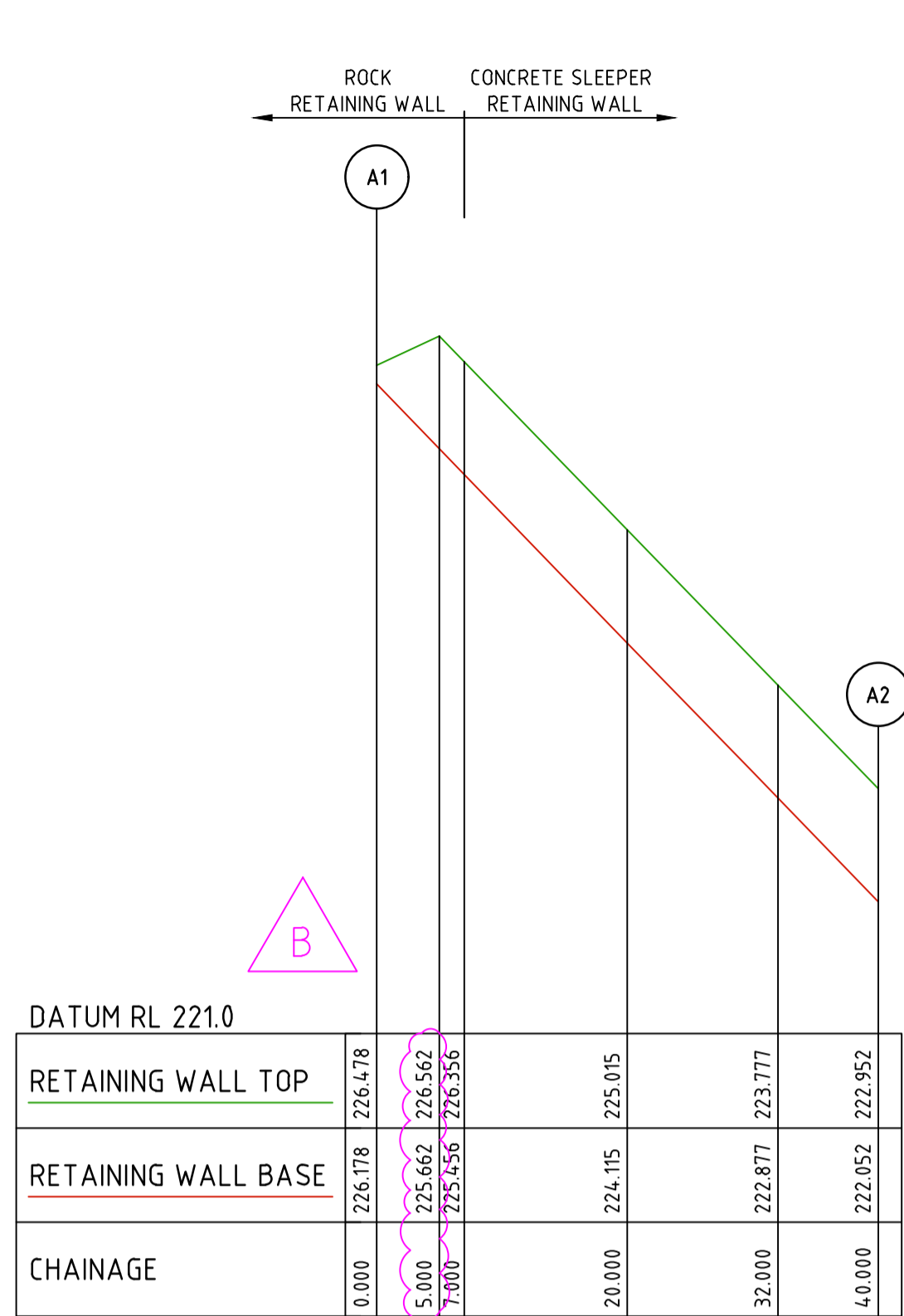
Checked
J. KOEHLER
Date

PRELIMINARY Drg No 305948CR901

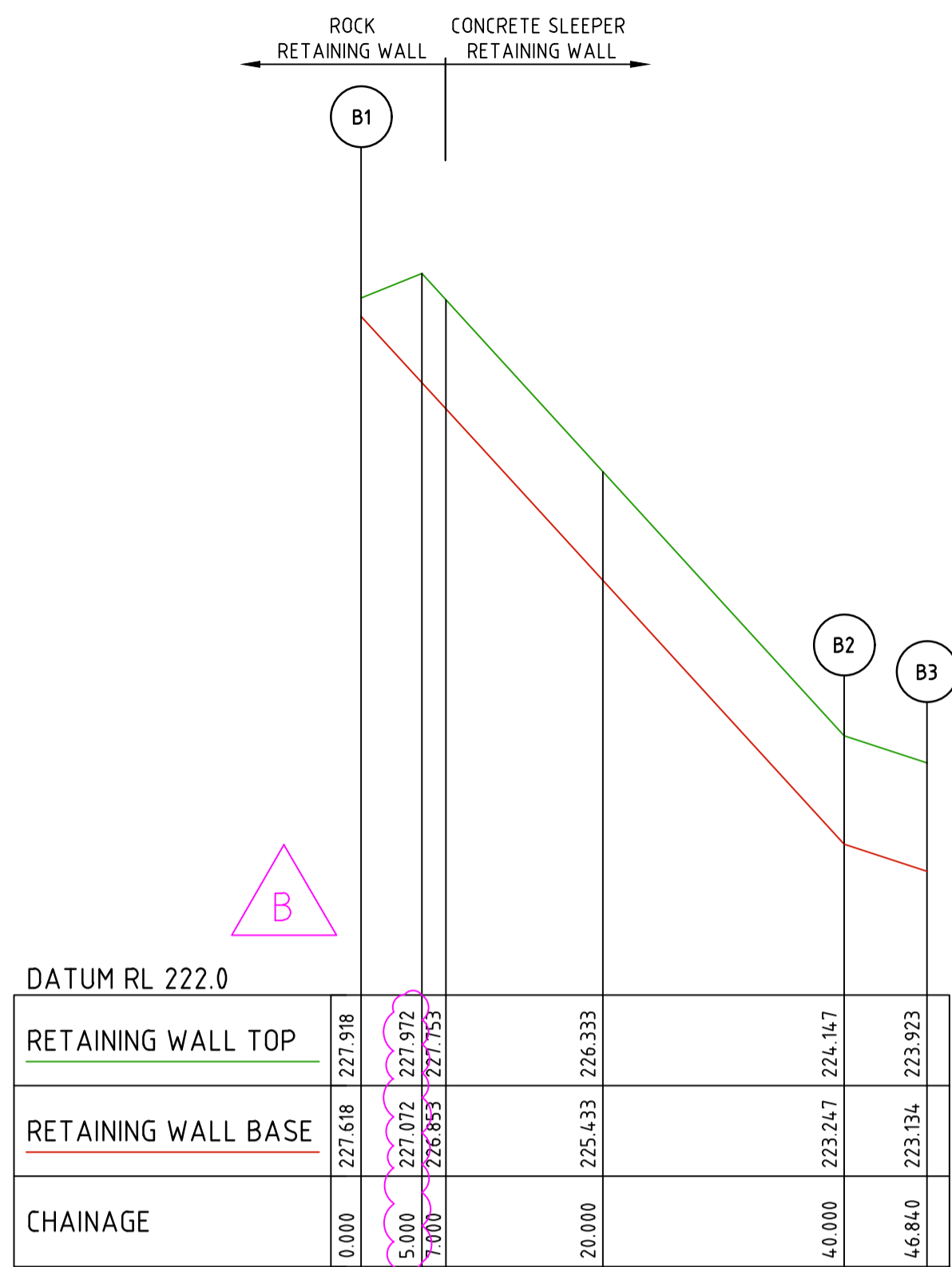
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File name 305948CR900.dwg layout name SHEET 2 plotted by Lilien Tran
File location G:\30\305948\Civil\ACAD plot date 15/11/2021 4:14 PM Sheet 41 of 45 Sheets

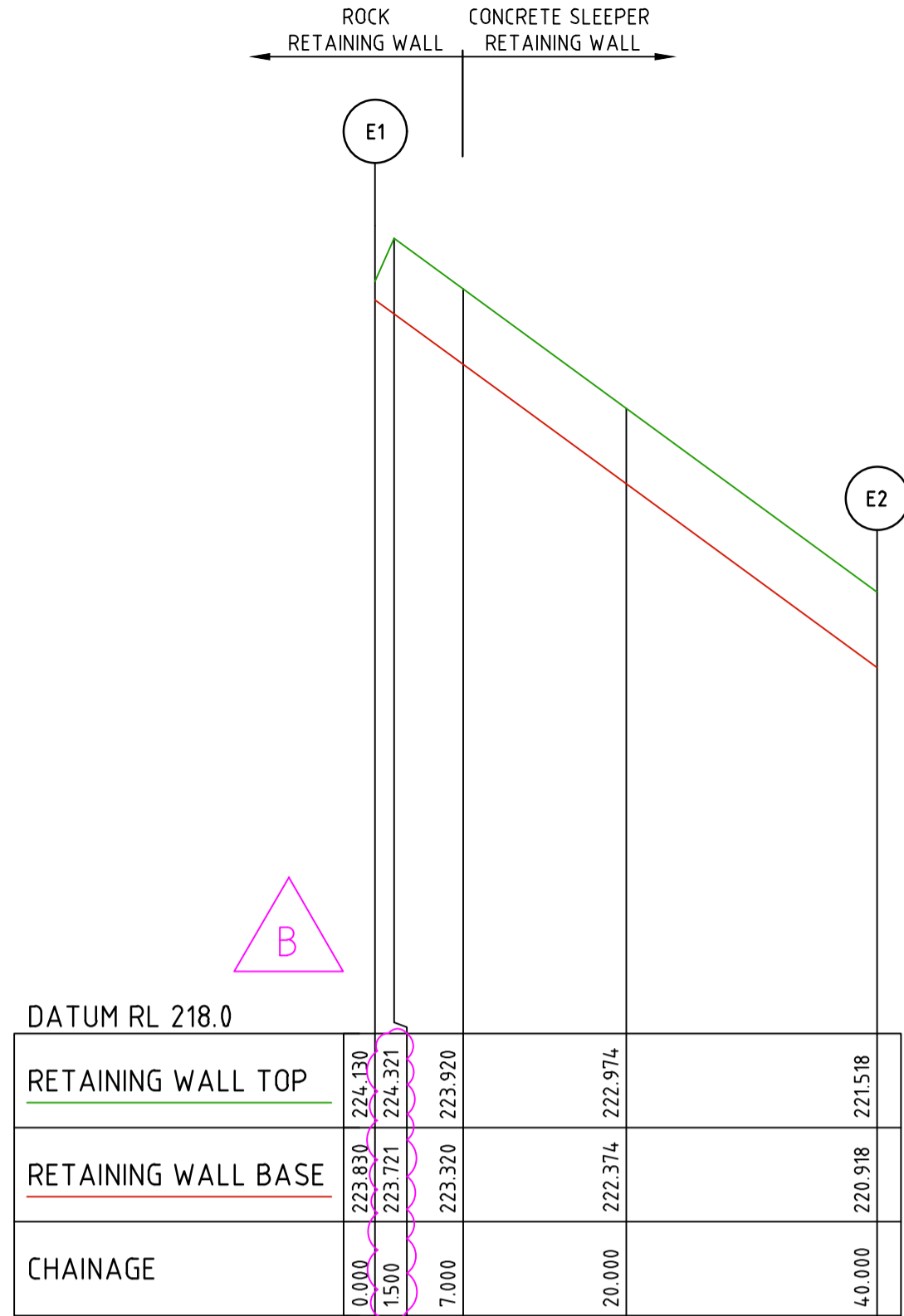
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file location: G:\305948\305948.dwg\305948.dwg plot date: 15/11/2021 14:14 PM Sheet 42 of 45 Sheets



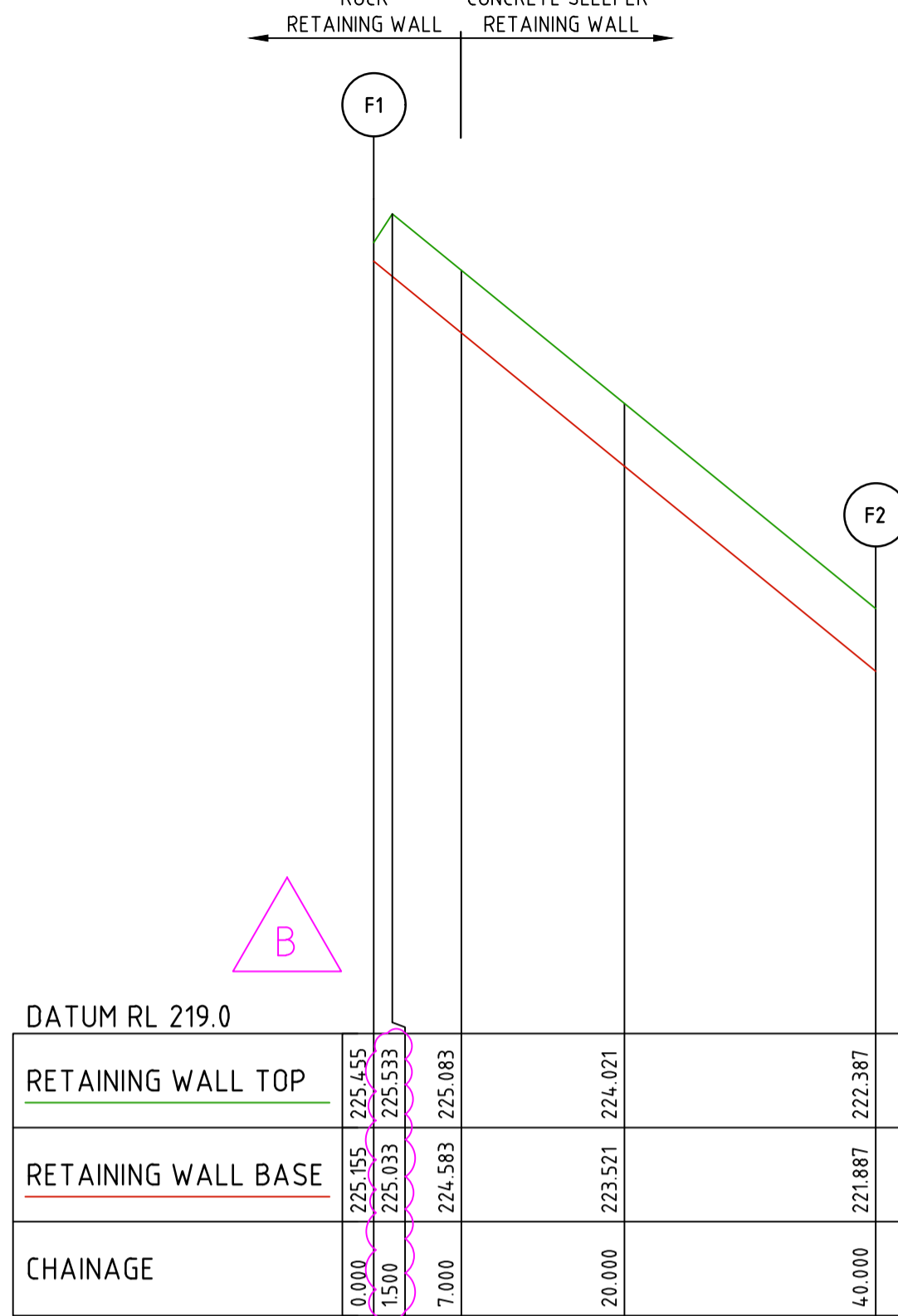
RETAINING WALL A



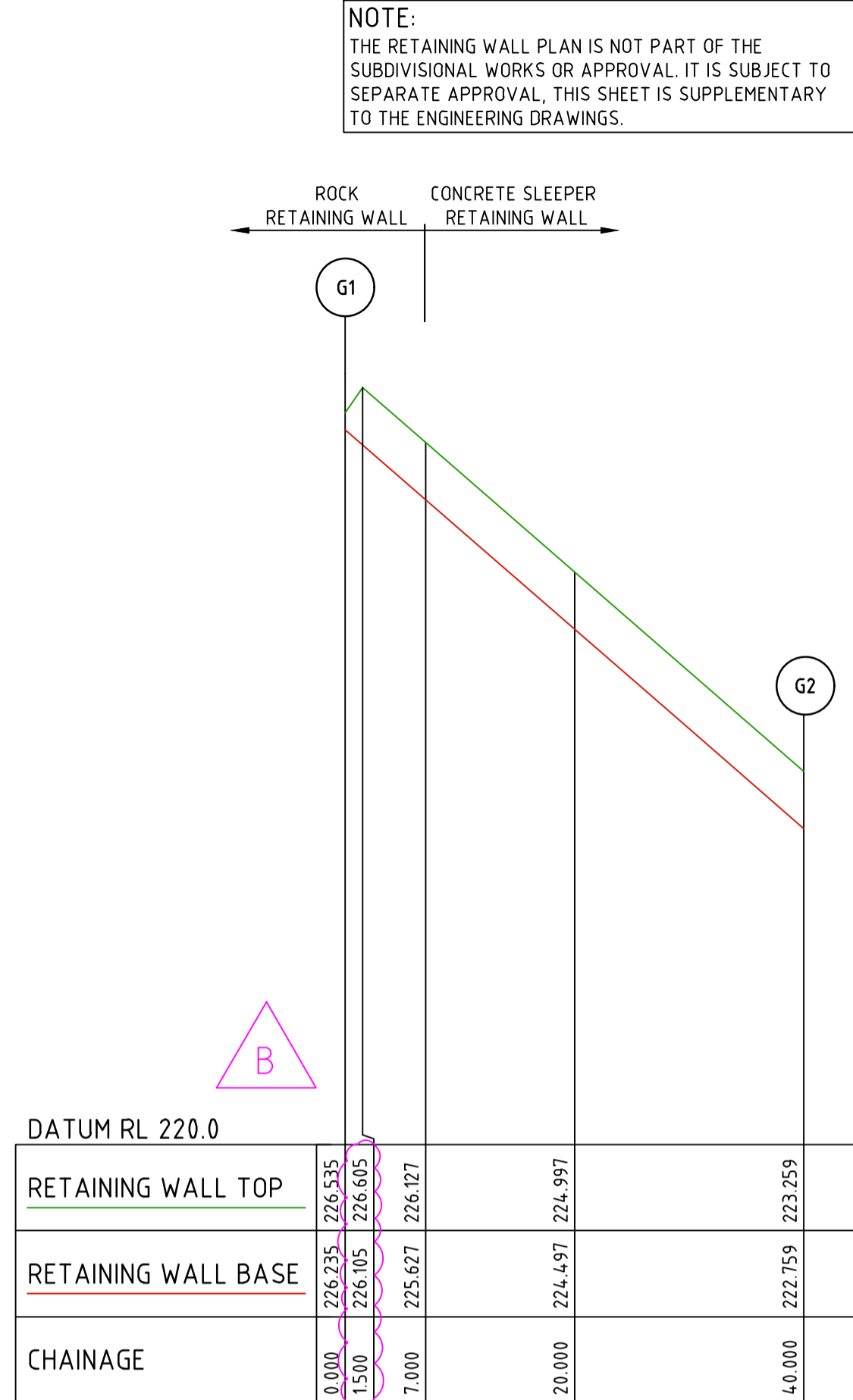
RETAINING WALL B



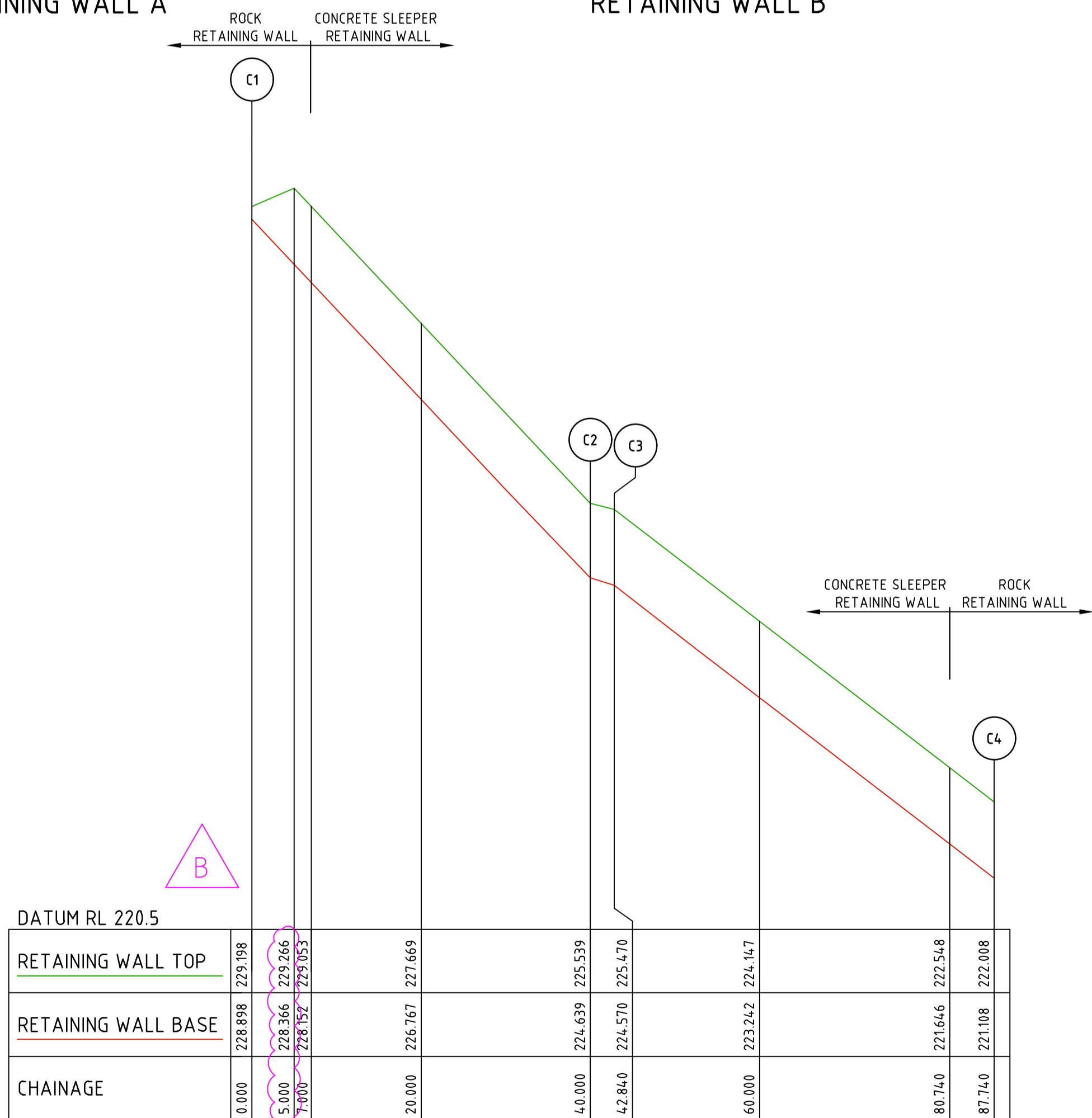
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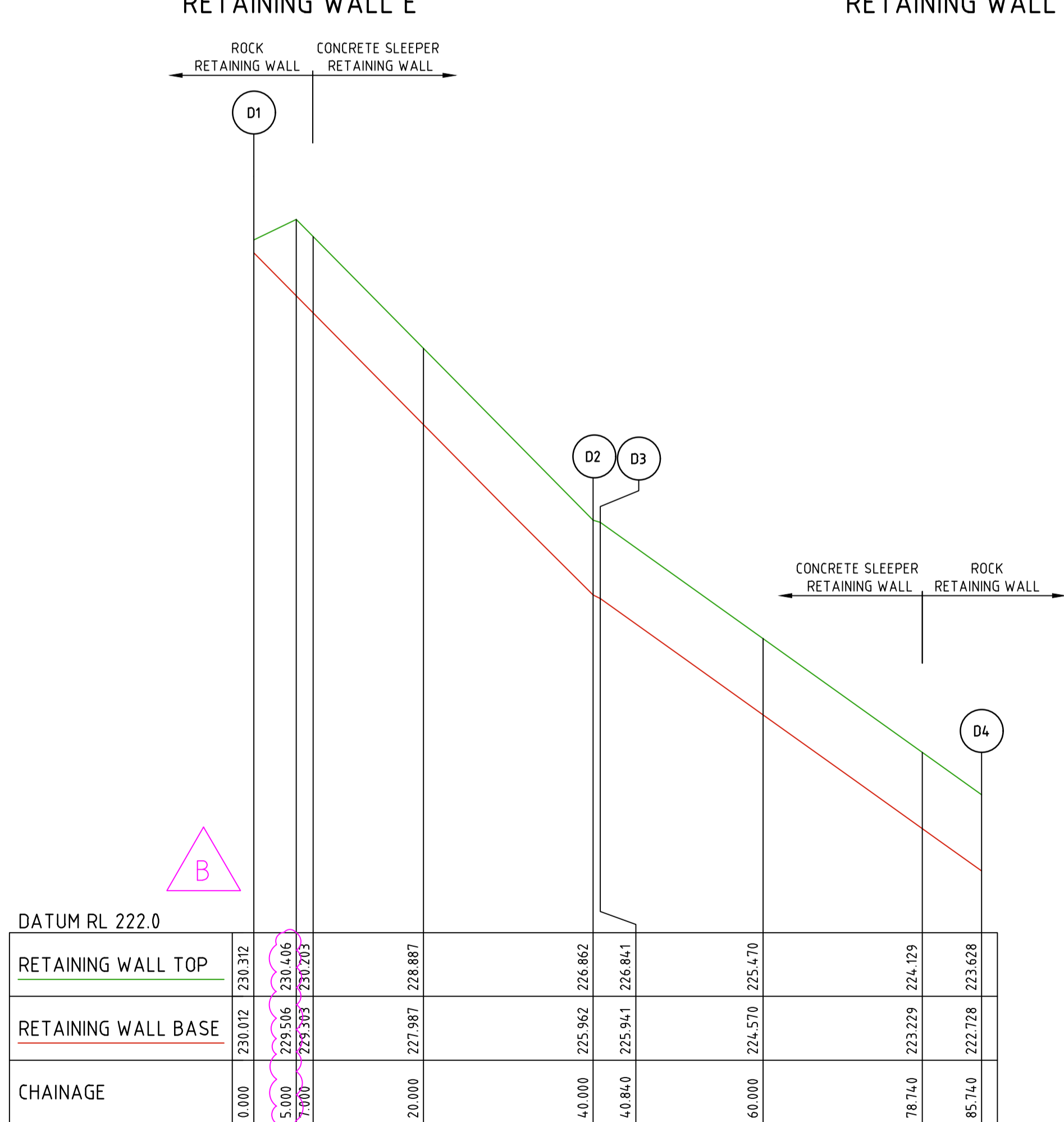
RETAINING WALL F



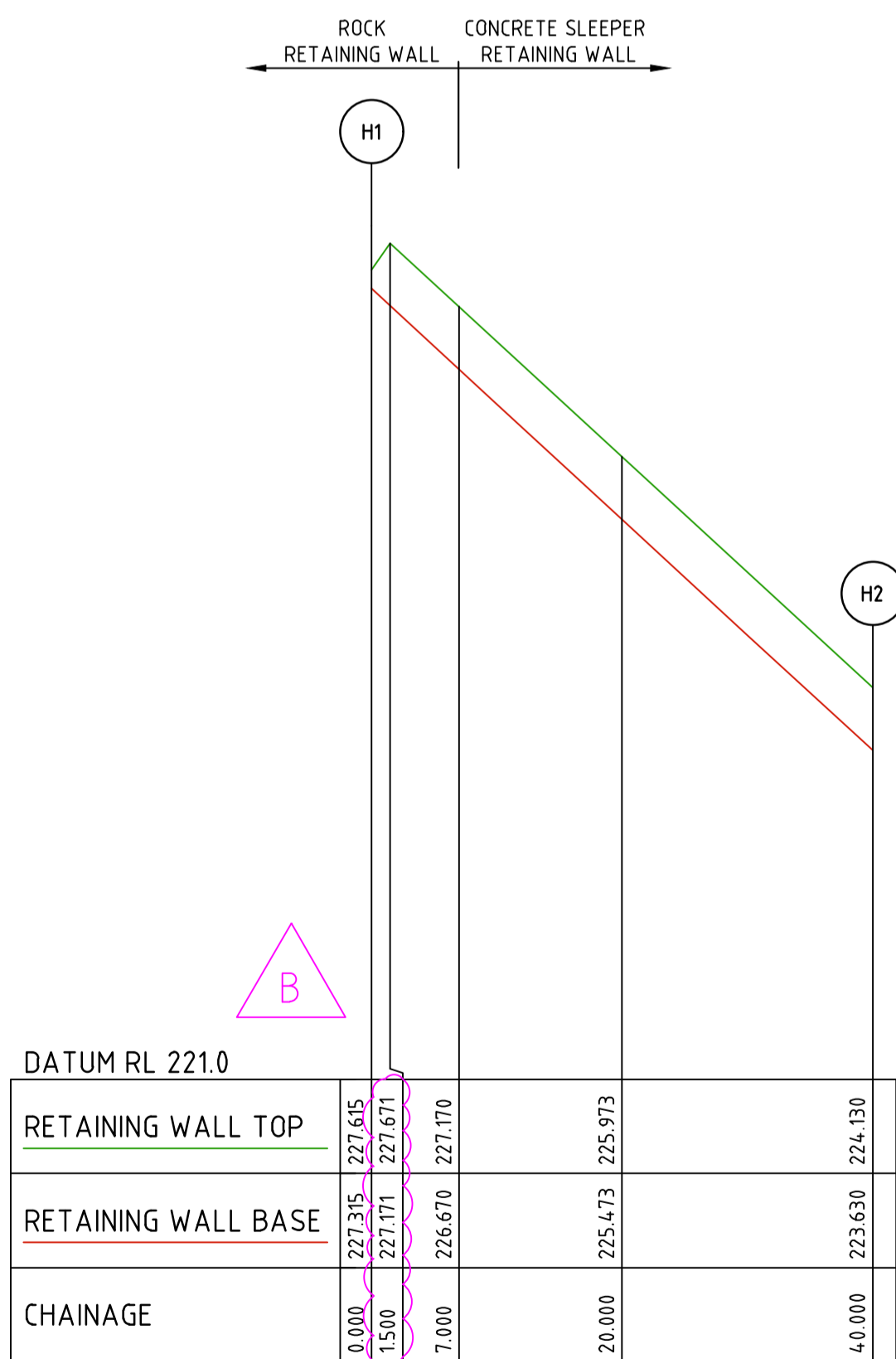
RETAINING WALL G



RETAINING WALL C



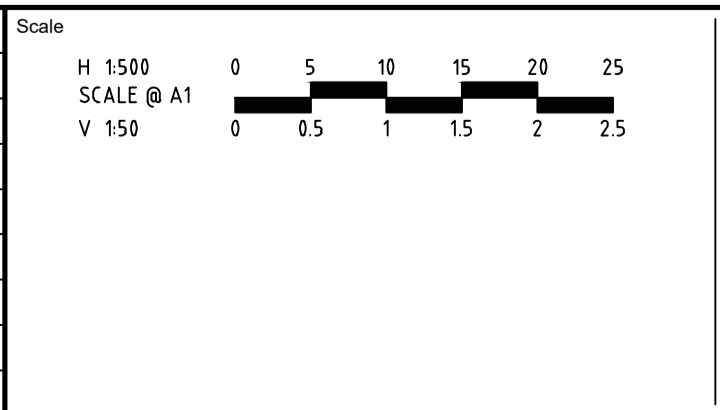
RETAINING WALL D



RETAINING WALL H

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.

Rev	B	LONG SECTIONS AMENDED	M.T-S	15/11/21
Rev	A	ISSUED TO COUNCIL	M.T-S	11/05/21
Rev		Amendments	Approved	Date



Designed L. TRAN	Checked J. KOEHLER
Authorised M. TOOMER-SMITH	Date

SHERWOOD GRANGE
STAGE 4
ROAD AND DRAINAGE
RETAINING WALL - SHEET 3
HUME CITY COUNCIL
RACECOURSE ROAD HOLDING PTY LTD

PRELIMINARY Drg No **305948CR902** Rev **B**

file name: 305948CR900.dwg layout: title SHEET 4, plotted by: Lillian Tran
file location: G:\305948\305948.dwg\A4\A4.dwg plot date: 15/11/2021 14:14 PM Sheet 43 of 45 Sheets

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.

ROCK
RETAINING WALL

CONCRETE SLEEPER
RETAINING WALL

J1

J2

J3

J4

J5

J6

J7

J8

J9

J10

J11

J12

J13

DATUM RL 215.0

RETAINING WALL TOP	228.317	227.986	227.273	226.272	225.314	224.825	223.176	222.427	221.594	220.762	220.110	218.930	218.632	221.575
RETAINING WALL BASE	228.317	227.837	226.823	225.372	225.214	223.925	222.999	222.074	221.047	220.019	219.210	218.930	217.732	220.875
CHAINAGE	0.000	7.000	21.823	41.783	44.015	61.783	79.783	97.783	117.783	137.783	153.571	171.571	191.571	234.581

RETAINING WALL J

DATUM RL 217.0

RETAINING WALL TOP	221.518	222.387	223.259	224.130	225.214
RETAINING WALL BASE	220.918	221.887	222.759	223.630	225.214
CHAINAGE	0.000	20.000	38.000	56.000	90.500

RETAINING WALL I

DATUM RL 203.5

RETAINING WALL TOP	210.611	210.413	210.230	209.942	209.834	209.417	209.336	209.029	208.236
RETAINING WALL BASE	209.760	209.513	209.330	209.042	208.934	208.517	208.436	208.073	207.936
CHAINAGE	0.000	9.000	18.000	32.096	36.000	51.071	54.000	65.096	72.096

RETAINING WALL K

CONCRETE SLEEPER
RETAINING WALL

ROCK
RETAINING WALL

B

B

B

Rev	Amendments	Approved	Date
B	LONG SECTIONS AMENDED	M.T-S	15/11/21
A	ISSUED TO COUNCIL	M.T-S	11/05/21

Scale	H 1:500 SCALE @ A1 V 1:50	0 5 10 15 20 25 0 0.5 1 1.5 2 2.5
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Designed L. TRAN Authorised M. TOOMER-SMITH	Checked J. KOEHLER Date
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SHERWOOD GRANGE STAGE 4 ROAD AND DRAINAGE RETAINING WALL - SHEET 4 HUME CITY COUNCIL RACECOURSE ROAD HOLDING PTY LTD PRELIMINARY Drg No 305948CR903 Rev B
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