

HUME CITY COUNCIL GENERAL NOTES:

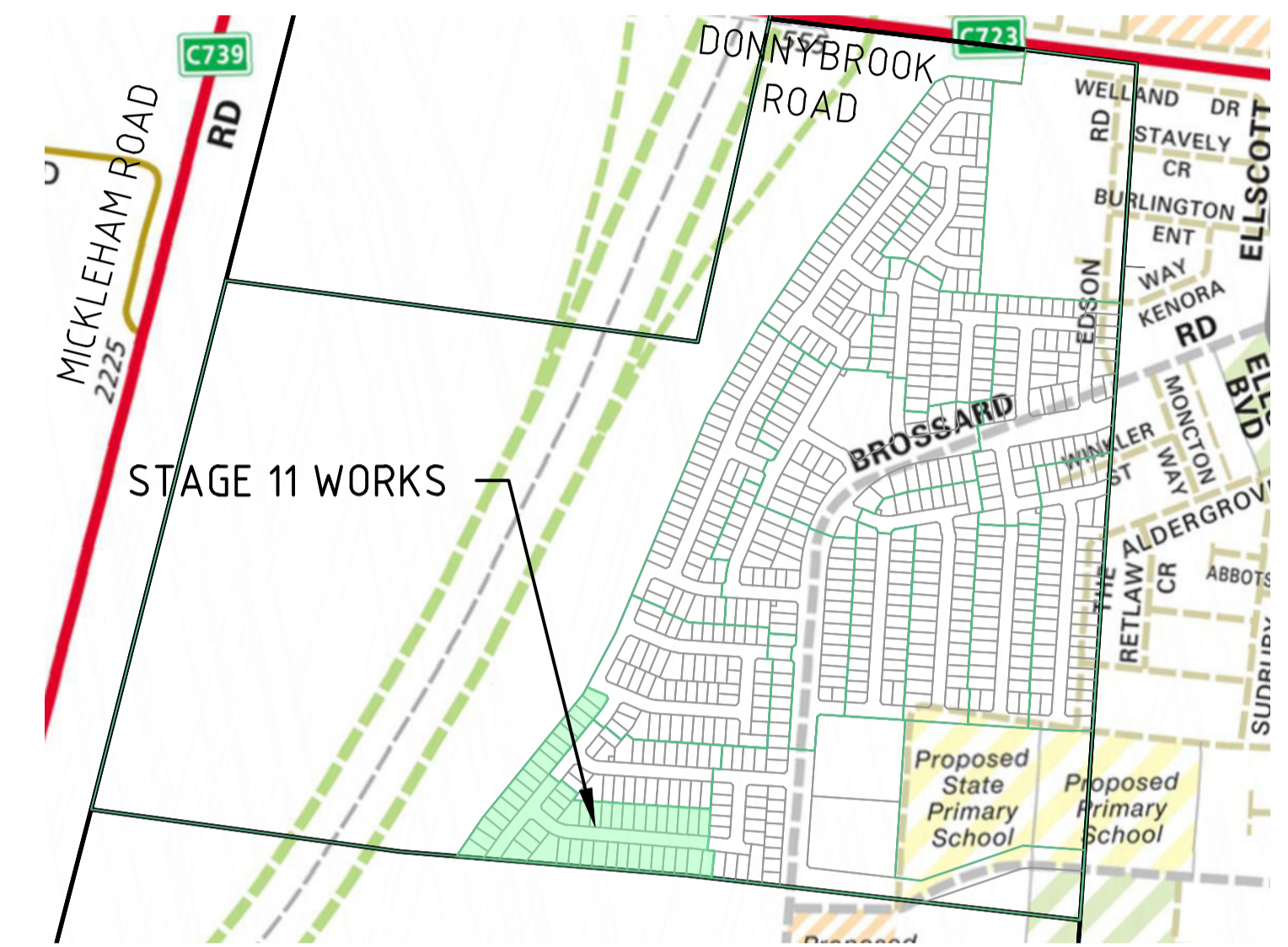
- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH V.P.A. AND HUME CITY COUNCIL STANDARD DRAWINGS, SPECIFICATIONS, APPROVED PLANS AND TO THE SATISFACTION OF THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE.
- COUNCIL TO BE NOTIFIED SEVEN (7) CLEAR WORKING DAYS PRIOR TO THE COMMENCEMENT OF WORKS WITH A PRE-COMMENCEMENT MEETING BEING HELD BETWEEN HUME CITY COUNCIL, THE CONSULTANT AND THE CONTRACTOR BEFORE WORKS COMMENCE. A SITE MANAGEMENT PLAN IS TO BE SUBMITTED PRIOR TO COMMENCEMENT OF WORKS AND PRIOR TO AN ON-SITE PRE-COMMENCEMENT MEETING.
- PRIOR TO COMMENCEMENT OF THE WORKS, THE CONTRACTOR SHALL PROVIDE THE FOLLOWING INFORMATION:
 - SOURCE OF QUARRY MATERIAL.
 - N.A.T.A. APPROVED TESTS RESULTS FOR THE F.C.R. THAT IS TO BE USED.
 - IF THE SOURCE OF THE QUARRY MATERIAL IS CHANGED DURING THE COURSE OF THE WORKS, THEN NEW TEST RESULTS SHALL BE PROVIDED.
- PRIOR TO COMMENCEMENT OF WORKS ON SITE, THE CONTRACTOR MUST ENSURE THAT ALL MATTERS RELATING TO THE OCCUPATIONAL HEALTH AND SAFETY ACT 2004 AND O.H.S. REGULATIONS 2007 HAVE BEEN AND WILL BE COMPLIED WITH.
- ON COMMENCEMENT OF CONSTRUCTION WORKS, THE CONTRACTOR MUST COMPLY WITH THE RECOMMENDATIONS OF THE ENVIRONMENT PROTECTION AUTHORITY PUBLICATION "CONSTRUCTION TECHNIQUES FOR SEDIMENT POLLUTION CONTROL." APPROPRIATE SILTATION CONTROL IS TO BE MAINTAINED THROUGHOUT THE CONSTRUCTION AND MAINTENANCE PERIOD OF THE WORKS.
- THE DISPOSAL SITE FOR SPOIL REMOVAL FROM SITE AND TRUCK ROUTE IS TO BE SUBMITTED TO AND APPROVED BY THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE IN WRITING PRIOR TO THE COMMENCEMENT OF ANY WORKS.
- WHERE WORKS ARE IN THE VICINITY OF EXISTING SERVICES, THESE SERVICES ARE TO BE LOCATED AND EXPOSED/PROVED PRIOR TO COMMENCEMENT OF WORKS, AND THE RELEVANT AUTHORITIES NOTIFIED SEVEN (7) CLEAR DAYS PRIOR TO THE COMMENCEMENT OF THE WORKS.
- ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (A.H.D.).
- ALL CO-ORDINATES ARE TO MAP GRID OF AUSTRALIA (M.G.A.).
- THE CONTRACTOR MUST ARRANGE THE REQUISITE INSPECTIONS OF THE WORKS WITH THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE AS PER THE HOLD POINTS IN THE V.P.A. MANUAL AND HUME CITY COUNCIL SPECIFICATIONS.
- FILL AREAS TO BE STRIPPED OF TOPSOIL, FILLED AND TOPSOIL REPLACED TO OBTAIN FINAL FILL LEVELS AS SHOWN ON PLAN. FILLING IS TO BE CLEAN CLAY COMPACTED TO A DENSITY NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY VALUE DETERMINED BY THE STANDARD COMPACTION TEST IN ACCORDANCE WITH A.S.1289.5.11-2003.
- 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.448 (SEPT '95) AND SUBSEQUENT REVISIONS. THE CONTRACTOR SHALL IF REQUIRED PROVIDE VERIFICATION INCLUDING TEST CERTIFICATES TO THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE.
- WHERE, AS A CONDITION OF THE PLANNING PERMIT OR AS A RESULT OF THE PRE-CONSTRUCTION MEETING, FENCING OF AREAS CONTAINING TREES, NATIVE GRASSES AND SHRUBS IS REQUIRED, A THREE STRAND STAR PICKET AND WIRE FENCE SHALL BE CONSTRUCTED.
- NO TREE OR NATIVE VEGETATION IS TO BE DISTURBED OR REMOVED WITHOUT PRIOR APPROVAL FROM COUNCIL'S SUSTAINABLE ENVIRONMENT DEPARTMENT. ANY TREES REMOVED, VEGETATION OR OTHER MATERIALS ARE NOT TO BE BURNT ON SITE.
- BEFORE COMMENCING WORK ON TRENCHES IN EXCESS OF 1.5m DEEP, NOTICE OF SUCH PROPOSAL IS TO BE FORWARDED BY THE CONTRACTOR TO WORKSAFE VICTORIA.
- THE CONTRACTOR IS TO OBTAIN A BUILDING PERMIT FOR ANY STRUCTURES / FENCES AND FOR ANY RETAINING WALLS OVER 1.0m IN HEIGHT.
- ANY INFRASTRUCTURE DAMAGE DURING THE DEFECTS LIABILITY PERIOD IS THE RESPONSIBILITY OF THE DEVELOPER OR HIS REPRESENTATIVE AND IS TO BE REINSTATED TO THE SATISFACTION OF THE CHIEF EXECUTIVE OFFICER OR HIS REPRESENTATIVE.
- PRIOR TO STATEMENT OF COMPLIANCE ALL DISTURBED AREAS (INCLUDING NATURE STRIPS, BATTERS, ALLOTMENTS WITH GRADES OF 1% AND GREATER, AND RESERVES) ARE TO BE REINSTATED TO A CLEAN, TIDY CONDITION, TOP DRESSED 100MM LOAMY TOP SOIL FREE OF RUBBISH, DEBRIS, CLUMPS, SODS AND CLAY LUMPS), LIGHTLY COMPACTED AND HYDRO MULCHED. HYDROMULCH AND SEED MIX TO BE:
 - 40KG/HA KIKUYU
 - 200KG/HA TURF TYPE PERENNIAL RYE
 - 100KG/HA CREEPING RED FESCUE
 - 1500KG/HA OF CELLULOSE FIBRE
 - SOIL BINDER, SPECIFICALLY MANUFACTURED FOR HYDROMULCHING, USED AT MANUFACTURERS RECOMMENDED RATES. (E.G. ORGANIC GAUR TACKIFIERS @ 20 - 30 KG/HA, BASED ON SITE CONDITIONS).
- GRASS IS TO BE ESTABLISHED PRIOR TO THE END OF THE MAINTENANCE PERIOD, UNLESS OTHERWISE AGREED IN WRITING.
- FOOTPATHS ARE TO BE 50mm OFFSET FROM TITLE BOUNDARIES UNLESS NOTED OTHERWISE. VEHICLE CROSSING ALIGNMENTS ARE GENERALLY TO BE PARALLEL TO THE SIDE BOUNDARY.
- ALL NEW CONCRETE WORKS SHALL BE JOINED INTO ABUTTING EXISTING CONCRETE WITH 450mm LONG Y20 DOWEL BARS @ 600 CENTRES, UNLESS OTHERWISE SPECIFIED.
- ANY EXPOSED AGGREGATE CONCRETE WORKS TO BE ACHIEVED BY SAND-BLASTING ONLY. WASHING AGGREGATE OFF WITH WATER IS NOT PERMITTED.
- ALL SERVICE CONDUITS TRENCHES UNDER ROAD PAVEMENTS ARE TO BE BACKFILLED WITH 20mm 3% CEMENT TREATED CLASS 3 CRUSHED ROCK COMPACTED TO A DENSITY NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY VALUE DETERMINED BY THE MODIFIED COMPACTION TEST IN ACCORDANCE WITH A.S.1289.5.2.1-2003. ALL SERVICE CONDUITS TRENCHES UNDER FOOTPATH, VEHICULAR CROSSINGS, PARKING BAYS AND WITHIN 750mm OF PARKING BAYS TO BE BACKFILLED WITH CLASS 3 CRUSHED ROCK.
- ALL STORMWATER DRAINS ARE TO BE CLASS 2 R.C. OR RIGID R.C. PIPES WITH ADCOL FLEXIBLE COLLARS UNLESS NOTED OTHERWISE. ALL PIPES UP TO AND INCLUDING 750mm DIAMETER ARE TO BE RUBBER RING JOINTED. INTERLOCKING / FLUSH JOINTS WITH EXTERNAL BANDS CAN ONLY BE USED ON PIPE SIZES OVER 750mm DIAMETER.
- WHERE NEW ASPHALT, CONCRETE KERB & CHANNEL, PATHS AND DRIVEWAYS MATCH INTO EXISTING, THE EXISTING SURFACE IS TO BE SAW CUT AND MATCHED NEATLY.
- ALL REDUNDANT ASSETS ARE TO BE REMOVED AND DISPOSED OFF SITE.
- ALL TREES AND SHRUBS ARE TO BE RETAINED UNLESS OTHERWISE SHOWN OR DIRECTED BY THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE.
- AT THE COMPLETION OF ALL WORKS, ALL RUBBISH, DEBRIS AND SURPLUS SPOIL SHALL BE REMOVED AND THE SITE SHALL BE CLEARED TO THE SATISFACTION OF THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE.
- ALL DRAINS BEHIND KERB AND CHANNEL SHALL BE BACKFILLED TO MATCH PAVEMENT SUBGRADE LEVEL WITH 20mm CLASS 3 F.C.R. COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY VALUE DETERMINED BY THE MODIFIED COMPACTION TEST IN ACCORDANCE WITH A.S. 1289.5.2.1-2003. ALL DRAINS, SEWERS, GAS & WATER MAINS LAID THROUGH THE ROAD PAVEMENT (EXCEPT CONDUITS) ARE TO BE BACKFILLED WITH 20mm CLASS 2 FCR COMPACTED TO 98% OF THE MAXIMUM DRY DENSITY VALUE DETERMINED BY THE MODIFIED COMPACTION TEST IN ACCORDANCE WITH A.S.1289.5.2.1-2003.
- PAVEMENT DEPTH SPECIFIED IS A MINIMUM DEPTH AND MAY BE VARIED BY THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE. SOFT SPOTS SHALL BE EXCAVATED TO A PROOF ROLLED BASE AND BACKFILLED WITH APPROVED MATERIAL COMPACTED IN 150mm LAYERS TO ACHIEVE TO A DENSITY NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY VALUE DETERMINED BY THE STANDARD COMPACTION TEST IN ACCORDANCE WITH A.S.1289.5.11-2003.
- ALL EXISTING ASSETS AFFECTED BY THE WORKS; E.G. SIGNS, VEHICLE CROSSINGS, FOOTPATHS, KERB AND LINEMARKING SHALL BE REINSTATED BY THE CONTRACTOR PRIOR TO THE COMPLETION OF THE WORKS TO THE SATISFACTION OF THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE.
- PRIOR TO THE COMPLETION OF THE WORKS ALL FIRE HYDRANTS ARE TO BE MARKED IN ACCORDANCE WITH "IDENTIFICATION OF STREET HYDRANTS FOR FIREFIGHTING PURPOSES" PUBLICATION (DEVELOPED BY C.F.A, M.F.B. & E.S.B). MARKINGS TO BE VIA BLUE PAVEMENT MARKER AND A (RED TOPPED) WHITE POST.
- AGRICULTURAL DRAINS ARE TO BE PLACED BEHIND ALL KERB AND CHANNEL, KERB ONLY AND EDGE STRIPS IN ACCORDANCE WITH COUNCIL STANDARD DRAWING SD282.
- ALL TABLE DRAINS AND VERGES ARE TO BE REINSTATED UPON COMPLETION OF WORKS TO THE SATISFACTION OF THE CHIEF EXECUTIVE OFFICER AND/OR THEIR REPRESENTATIVE.
- ALL TRAFFIC CONTROL MEASURES, SIGNS AND LINEMARKING SHALL BE IN ACCORDANCE WITH A.S.1742-1, 2 & 3. STREET NAME SIGNS ARE TO BE IN ACCORDANCE WITH COUNCIL STANDARD DRAWING SD408.
- ALL LINEMARKING PAINT SHALL BE LONG LIFE TYPE IN ACCORDANCE WITH SECTION 95 OF THE HUME CITY COUNCIL SPECIFICATIONS. LATERAL WORKS AND ARROWS BEING COLD APPLIED PLASTIC TROWELLED INTO PLACE (MATERIAL DEGAUR 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 A.S. 2187.2-1993, AND WAVE TRACE COPIES ARE TO BE SUBMITTED TO COUNCIL FOR EACH BLAST. BLASTING IS TO BE RESTRICTED TO BETWEEN 9:00am AND 3:30pm. BLASTING IS NOT TO OCCUR ON WEEKENDS OR PUBLIC HOLIDAYS. BLASTING AREA SIGNS ARE TO BE PLACED AT ALL ENTRANCES TO THE SITE. FENCING TO BE PROVIDED ALONG LOT BOUNDARIES ABUTTING RESERVES TO THE SATISFACTION OF THE RESPONSIBLE AUTHORITY.
- WHERE SODIC SOILS ARE ENCOUNTERED, SODIC SOIL INVESTIGATIONS SHOULD BE CARRIED OUT BY A QUALIFIED SOIL SCIENTIST AND THE RECOMMENDATIONS OF THE REPORT SHOULD BE APPLIED DURING ROAD & DRAINAGE DESIGN AND CONSTRUCTION.

SPiIRE GENERAL NOTES:

- ALL EXISTING SURFACE LEVELS SHOWN ON THE ENGINEERING DRAWINGS HAVE BEEN INTERPOLATED FROM A DIGITAL TERRAIN MODEL. THESE LEVELS HAVE BEEN USED AS THE BASIS FOR ALL ENGINEERING DESIGN AND DETERMINATION OF QUANTITIES AND ARE ACCURATE TO WITHIN ±0.05m.
- ANY EXISTING SERVICES SHOWN ON THESE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT.
- WHERE REQUIRED ANY BUILDINGS, TRENCHES, FENCES AND OTHER STRUCTURES ON SITE ARE TO BE REMOVED AS DIRECTED BY THE ENGINEER. THE COST OF REMOVAL IS TO BE INCLUDED IN THE OVERALL EARTHWORKS FIGURE UNLESS A SPECIFIC ITEM FOR REMOVAL IS DENOTED IN THE SCHEDULE.
- ALL FILLING ON LOTS AND WITHIN ROAD RESERVES GREATER THAN 200mm IS TO BE UNDERTAKEN USING LEVEL 1 SUPERVISION AND BE COMPLETED IN ACCORDANCE WITH A.S.3798-2007. FILLING MATERIAL IS TO BE IN ACCORDANCE WITH THE SPECIFICATION, A.S.3798-2007 & TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT.
- ALL BATTERS SHALL BE 1 IN 6, UNLESS OTHERWISE SHOWN.
- NO FILL OR STOCKPILING OF MATERIAL IS TO BE PLACED ON ANY RESERVE FOR PUBLIC OPEN SPACE UNLESS OTHERWISE DIRECTED OR APPROVED BY THE SUPERINTENDENT.
- T.B.M.'S TO BE RE-ESTABLISHED BY THE LICENSED SURVEYOR IF FOUND TO BE MISSING AT THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR CARE AND MAINTENANCE OF T.B.M.'S THEREAFTER.
- AT LEAST THREE (3) DAYS PRIOR TO COMMENCING WORK ON EXCAVATIONS IN EXCESS OF 1.50m DEEP, A NOTIFICATION FORM MUST BE SENT TO WORKSAFE. THE CONTRACTOR IS TO COMPLY WITH WORKSAFE, THE MINES (TRENCHES) REGULATION 1982, THE MINES ACT 1958 AND OCCUPATIONAL HEALTH AND SAFETY ACT 1985, 2004.
- WHERE REQUIRED, ALL EXISTING DAMS, DEPRESSIONS AND DRAINS ARE TO BE BREACHED, DRAINED, DE-SLUGED AND SHALL BE EXCAVATED TO A CLEAN FIRM BASE. THE SURFACE SHALL BE INSPECTED, APPROVED AND LEVELLED BY THE ENGINEER PRIOR TO COMMENCEMENT OF FILLING. THE FILL SHALL BE APPROVED SELECTED ON SITE MATERIAL OR APPROVED IMPORTED MATERIAL. THE FILL SHALL BE PLACED UNDER CONTROLLED MOISTURE CONDITIONS IN ACCORDANCE WITH THE SPECIFICATION.
- GAS AND WATER CONDUITS SIZES ARE AS FOLLOWS:
 - Ø50mm CLASS 12 P.V.C. - SINGLE SERVICE
 - Ø100mm CLASS 12 P.V.C. - DUAL SERVICE (DRINKING AND NON DRINKING WATER)
- WITH THE FOLLOWING MINIMUM COVER TO FINISHED SURFACE LEVELS:
 - ROAD PAVEMENT - 0.80m
 - VERGE & FOOTPATHS - 0.45m
- CENTRE LINES OF ALL EASEMENT DRAINS ARE OFFSET 1.0m OR 2.2m (WHERE OUTSIDE OF SEWER) FROM THE PROPERTY LINE UNLESS SHOWN OTHERWISE.
- WHERE CURVED PIPE ALIGNMENTS ARE SHOWN ON THE FACE PLANS THEY ARE TO BE LAID PARALLEL TO THE BACK OF KERB, EXCEPT WHERE A RADIUS HAS BEEN SPECIFICALLY NOMINATED. CURVED PIPES ARE TO BE APPROVED BY COUNCIL AND IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS.
- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH AS2124-1992 GENERAL CONDITIONS OF CONTRACT.
- TELSTRA IS TO BE NOTIFIED 7 DAYS PRIOR TO PLACEMENT OF CONCRETE WORKS.
- PAVEMENT DEPTHS MAY BE MODIFIED AS DIRECTED BY THE SUPERINTENDENT. PAVEMENT TO BE BOXED OUT TO MINIMUM DEPTH DENOTED, INSPECTED AND IF SUBGRADE IS IN QUESTION, FURTHER TESTING CARRIED OUT TO DETERMINE FINAL PAVEMENT DEPTH.
- WHERE PAVEMENT IS CONSTRUCTED ON 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.
- WHEN PAVEMENT EXCAVATION IS IN ROCK, ALL LOOSE MATERIAL (INCLUDING ROCKS AND CLAY) MUST BE REMOVED. THE SUB-GRADE MUST THEN BE REGULATED WITH COUNCIL APPROVED MATERIAL.
- ALL TEMPORARY WARNING SIGNS USED DURING CONSTRUCTION SHALL BE SUPPLIED AND MAINTAINED IN ACCORDANCE WITH A.S.1742-3.
- THE CONTRACTOR IS REQUIRED TO OBTAIN A 'PERMIT TO WORK' FROM MELBOURNE WATER'S SURVEILLANCE OFFICER AT THE PRE-COMMENCEMENT MEETING. THE CONTRACTOR IS REQUIRED TO ENSURE THAT THE 'PERMIT TO WORK' IS KEPT UP TO DATE FOR THE DURATION OF THE CONTRACT.
- CONTRACTOR TO ENSURE SEWER MANHOLES ARE WHOLLY LOCATED IN PROPOSED FOOTPATHS.
- VEHICLE CROSSINGS TO BE CONSTRUCTED IN ACCORDANCE WITH EDM 501 & 502.
- VEHICLE CROSSINGS TO BE CONSTRUCTED IN ACCORDANCE WITH EDM 501 & 502.
- THE CONTRACTOR IS REQUIRED TO COMPLY WITH ALL RECOMMENDATIONS STATED IN THE SODIC SOIL ASSESSMENT REPORT PREPARED BY S.E.S.L. REPORT REFERENCE J002893.
- WHERE EXISTING SURFACES DO NOT REQUIRE EXCAVATION, THE STABILITY OF THE SITE IS DEMONSTRATED AND NO INTERVENTION IS REQUIRED. THOSE EXISTING SURFACE AREAS MUST HAVE THEIR VEGETATION RETAINED AND SHOULD BE PROTECTED BY EXCLUSION FENCING AND SIGNAGE DURING CONSTRUCTION TO PREVENT ACCESS AND ACTIVITY BY VEHICULAR TRAFFIC AND PLANT EQUIPMENT.
- WHERE EXCAVATION IS REQUIRED FOR SERVICES, FOOTINGS AND DRAINAGE, EXPOSED SOILS WILL REQUIRE TREATMENT WITH GYPSUM AS DETAILED IN THE SODIC SOIL ASSESSMENT REPORT PREPARED BY S.E.S.L. REPORT REFERENCE J002893.
- ON BATTERS OR OTHER SLOPPING GROUND WHERE VEGETATION REINSTATEMENT IS INCORPORATED, IT WILL BE IMPORTANT TO LEAVE TREATED SUBSOIL IN SLIGHTLY ROUGH CONDITION (AVOID ROLLING OR COMPACTION) TO ASSIST WITH KEYING IN OF TOPSOIL LAYERS. ON SLOPES GREATER (STEEPER) THAN 1 IN 6, FURTHER SURFACE STABILISATION BY THE USE OF COARSE WOODY MULCH IS RECOMMENDED UNTIL SUCH TIME AS VEGETATION ESTABLISHES AND PLANT ROOTS CAN COUNTER EROSION PRESSURE. THE FOLLOWING PRACTICES SHOULD BE ADOPTED FOR ALL DISPERSIVE SOILS ON-SITE:
 - SOILS FROM DIFFERENT HORIZONS MUST BE STRIPPED AND STOCKPILED SEPARATELY IN VIEW OF THE VARIATION IN AMELIORATION REQUIREMENTS.
 - SOIL STOCKPILES MUST NOT EXCEED 2 METRES IN HEIGHT AND MUST NEVER BE TRAFFICKED.
 - STOCKPILED SOILS MUST HAVE GYPSUM APPLIED AS PER SODIC SOIL ASSESSMENT REPORT PREPARED BY S.E.S.L. REPORT REFERENCE J002893.
- WHERE POTENTIALLY DISPERSIVE SOILS HAVE BEEN EXPOSED BUT NOT EXCAVATED (E.G. SOIL REMAINING POST-STRIPPING), GYPSUM SHOULD BE APPLIED AS PER SODIC SOIL ASSESSMENT REPORT PREPARED BY S.E.S.L. REPORT REFERENCE J002893.
- IT MUST BE NOTED THAT WHILE GYPSUM APPLICATION WILL CHEMICALLY STABILISE THESE SOILS TO REDUCE THE DISKS OF DISPERSION, THE APPLICATION IS NOT A SUBSTITUTE FOR MECHANICAL EROSION CONTROL MEASURES. MECHANICAL EROSION CONTROL MEASURES AND STRUCTURES MUST REMAIN MAINTAINED UNTIL EARTHWORKS ON-SITE HAVE BEEN COMPLETED.

TRIJENA ESTATE STAGE 11 PGG (MICKLEHAM) PTY LTD



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DRAWING SCHEDULE

DRAWING	DESCRIPTION	SHEET No.	REVISION
CR100	GENERAL NOTES - FACE SHEET	1	2
CR200	ROAD LAYOUT PLANS - DETAIL PLAN	2	2
CR201	ROAD LAYOUT PLANS - SERVICES PLAN	3	2
CR300	ROAD LONG SECTIONS - TANGELO & POYNER	4	1
CR400	ROAD CROSS SECTIONS - SHEET 1	5	1
CR401	ROAD CROSS SECTIONS - SHEET 2	6	1
CR402	ROAD CROSS SECTIONS - SHEET 3	7	1
CR500	INTERSECTION DETAILS - SHEET 1	8	1
CR600	DRAINAGE LONG SECTIONS - SHEET 1	9	1
CR601	DRAINAGE LONG SECTIONS - SHEET 2 & PIT SCHEDULE	10	1
CR700	PAVEMENT AND TYPICAL DETAILS - SHEET 1	11	1
CR800	SIGNAGE AND LINEMARKING - SHEET 1	12	2
CR900	MISCELLANEOUS - PARKING PLAN	13	2
CR901	MISCELLANEOUS - RETAINING WALL DETAILS	14	1

LEGEND

DESCRIPTION	EXISTING	PROPOSED
WATER MAIN	DW - Blue dashed line with 'X' symbol	DW - Blue solid line
WATER RECYCLED	NDW - Blue dashed line with 'X' symbol	NDW - Blue solid line
UNDERGROUND ELECTRICITY	E - Purple dashed line with 'X' symbol	E - Purple solid line
OPTIC FIBRE	OF - Orange dashed line with 'X' symbol	OF - Orange solid line
GAS MAIN	G - Cyan dashed line with 'X' symbol	G - Cyan solid line
SEWER & MAINTENANCE STRUCTURE	S - Black dashed line with circle	S - Red solid line with circle
CENTRAL INVERT	> - Black dashed line	> - Black solid line
COUNCIL STORMWATER DRAIN & PIT	[Symbol]	[Symbol]
STORMWATER DRAINAGE PROPERTY INLETS	[Symbol]	[Symbol]
COUNCIL STORMWATER PITS	[Symbol]	[Symbol]
HOUSE DRAIN	[Symbol]	[Symbol]
AG DRAIN AND FLUSHER	AG - Black dashed line with circle	AG - Black solid line with circle
STORMWATER DRAINAGE PIT NUMBER	(1) - Black dashed line with circle	(1) - Black solid line with circle
GAS & WATER CONDUITS	[Symbol]	[Symbol]
CONCRETE VEHICLE CROSSING	[Symbol]	[Symbol]
SURFACE CONTOUR MINOR	-168.90 - Black dashed line	168.90 - Yellow solid line
SURFACE CONTOUR MAJOR	-169.00 - Black dashed line	169.00 - Yellow solid line
SURFACE LEVEL	E123.45 - Black text	F124.68 - Yellow text
BATTER LEVEL (TOP / TOE)	T124.80 - Black text	T124.80 - Yellow text
EARTHWORKS GRADE	1 in 50 - Black text	1 in 50 - Yellow text
SIGN AND POST	[Symbol]	[Symbol]
STREET SIGN	[Symbol]	[Symbol]
PERMANENT SURVEY MARK	[Symbol]	[Symbol]
TEMPORARY BENCH MARK	[Symbol]	[Symbol]
ROAD CHAINAGES	CH116.57 (L/R)BTP CH116.57 CH20.06 - Black text	CH116.57 (L/R)BTP CH116.57 CH20.06 - Yellow text
LOT CHAINAGE	[Symbol]	[Symbol]
SETOUT POINT	[Symbol]	[Symbol]
LIMIT OF WORKS	[Symbol]	[Symbol]
BATTER	[Symbol]	[Symbol]
FILLING GREATER THAN 0.20m	[Symbol]	[Symbol]
CUT GREATER THAN 0.20m	[Symbol]	[Symbol]
FALL OF LOT	[Symbol]	[Symbol]
TREE TO BE REMOVED	[Symbol]	[Symbol]
FENCE	[Symbol]	[Symbol]
BOUNDARY BATTER SLOPE	[Symbol]	[Symbol]
CONCRETE SLEEPER RETAINING WALL	[Symbol]	[Symbol]



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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Rev	Amendments	Approved	Date
2	DRIVEWAY OF LOT 1149 ADDED	R.W.	28/03/22
1	AS CONSTRUCTED	R.W.	24/02/22
0	ISSUED FOR CONSTRUCTION	M.T-S	01/06/21
C	SHEET CR100, CR200, CR201, CR500, CR600, CR601 AND CR901 AMENDED	M.T-S	21/05/21
B	GENERAL NOTES AMENDED	M.T-S	26/04/21
A	PRELIMINARY ISSUE	M.T-S	16/03/21

Scale

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POTTER GEORGE

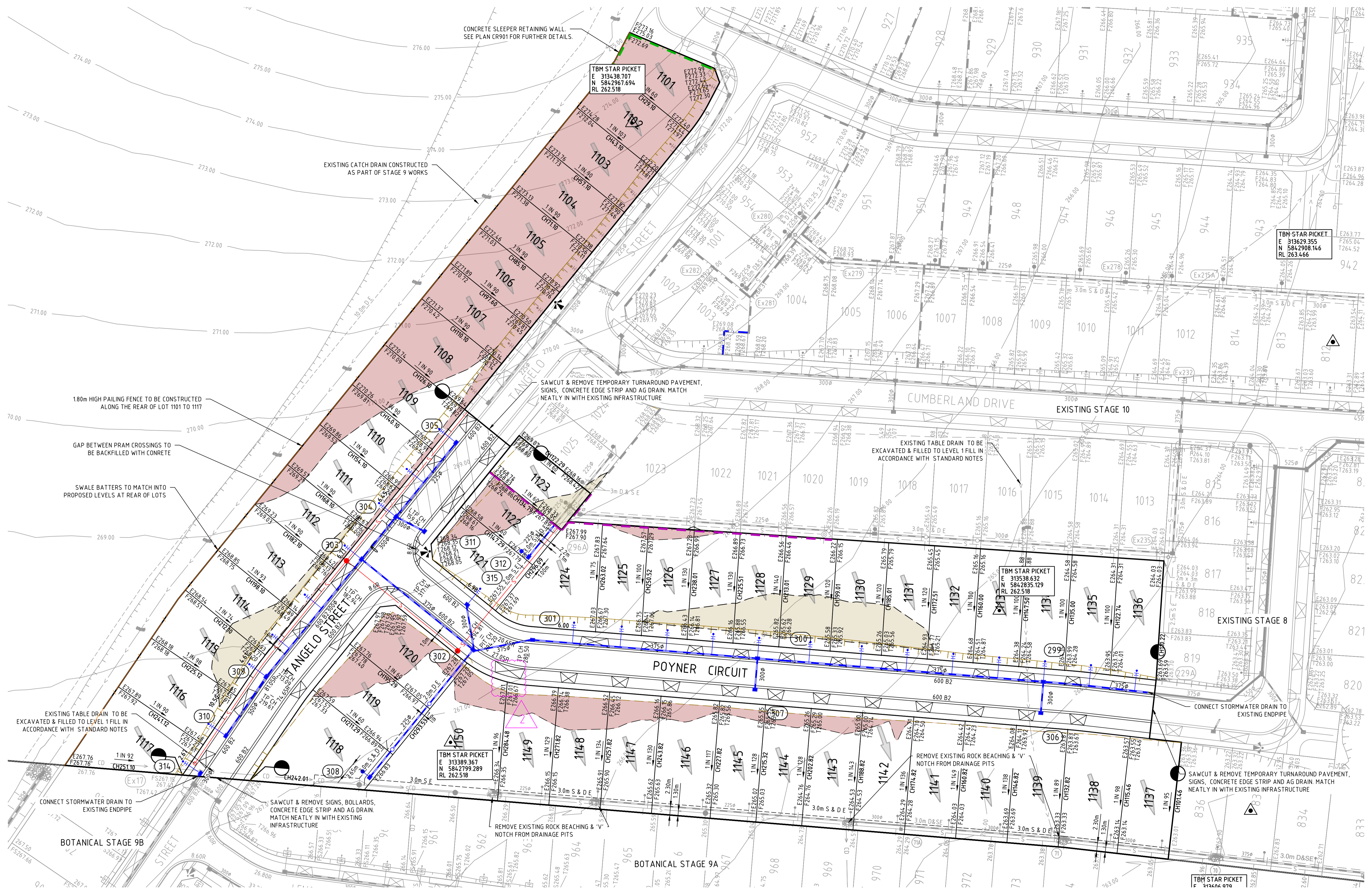
Designed
E.PERRAULT

Checked
Date
MARCH 2021

Authorised
M.TOOMER-SMITH

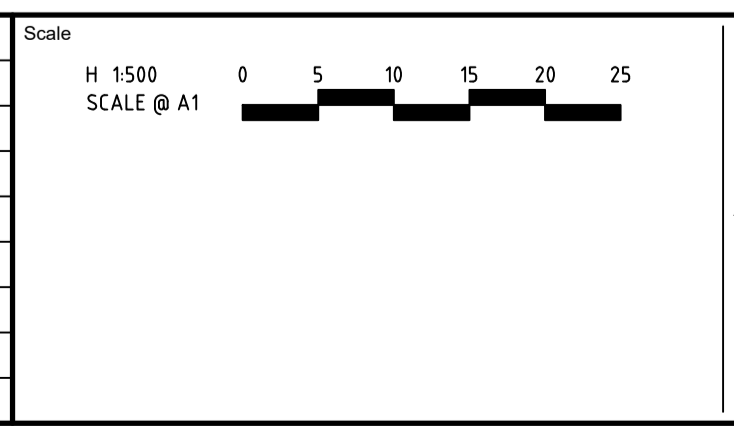
TRIJENA ESTATE
STAGE 11
ROAD AND DRAINAGE
FACE SHEET
HUME CITY COUNCIL
PGG (MICKLEHAM) PTY LTD

AS CONSTRUCTED Drg No **304014CR100** Rev **2**



file name: 304014CR200.dwg, layout: name: CR200, plot date: 20/03/2022 10:35 AM, sheet: 2 of 14, sheets

Rev	Amendments	Approved	Date
2	DRIVEWAY OF LOT 1149 ADDED	R.W	28/03/22
1	AS CONSTRUCTED	R.W	24/02/22
0	ISSUED FOR CONSTRUCTION	M.T-S	01/06/21
C	PIPE SIZE ADDED, PIT 315 LOCATION AMENDED	M.T-S	21/05/21
B	AMENDED AS PER COUNCIL COMMENTS	M.T-S	26/04/21
A	PRELIMINARY ISSUE	M.T-S	16/03/21



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

Designed
E.PERRAULT

Authorised
M.TOOMER-SMITH

Checked
TRIJENA
MICKLEHAM

Date
MARCH 2021

**TRIJENA ESTATE
STAGE 11
ROAD AND DRAINAGE
DETAIL PLAN**
HUME CITY COUNCIL
PGG (MICKLEHAM) PTY LTD

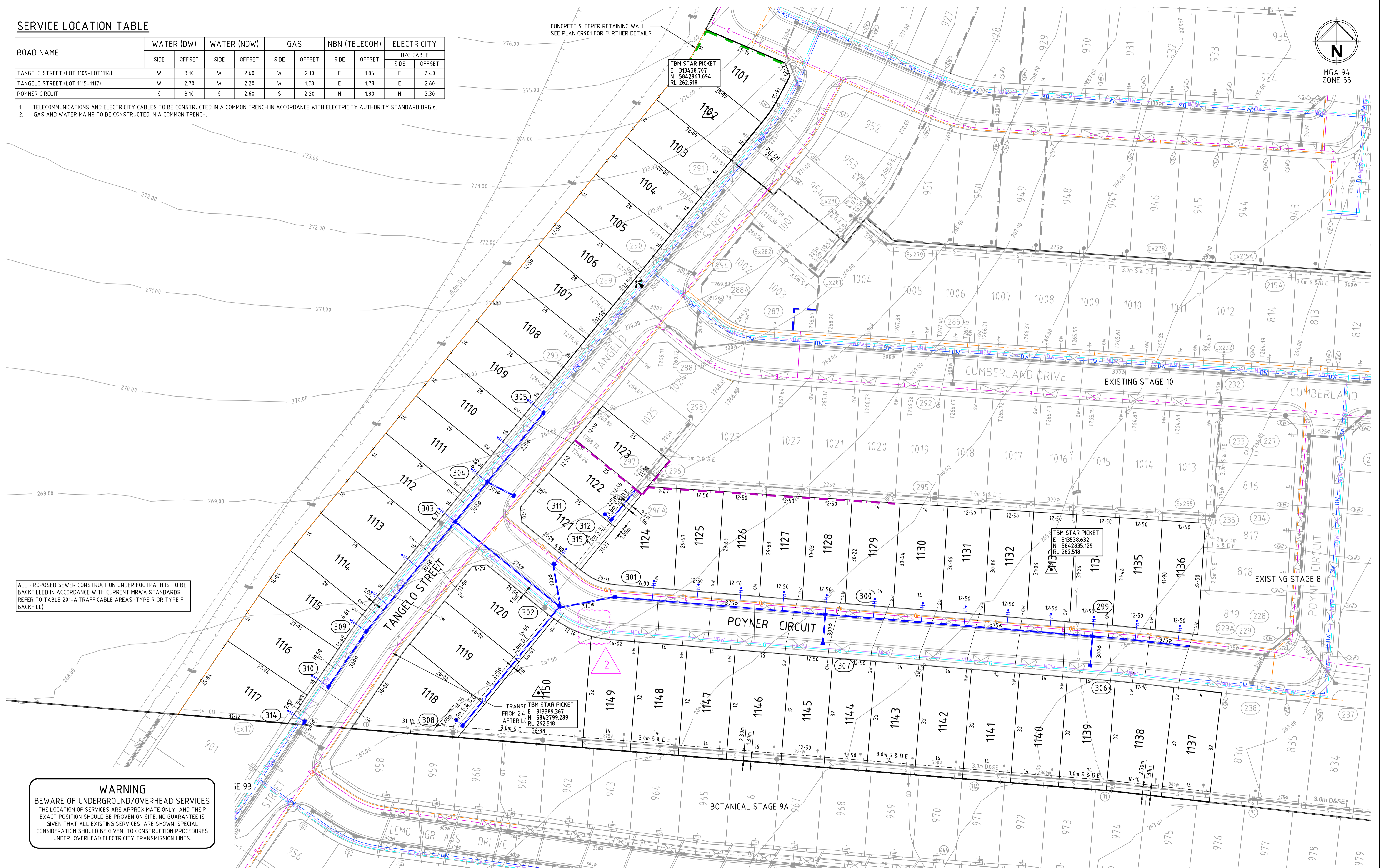
AS CONSTRUCTED

Dwg No **304014CR200** Rev **2**

SERVICE LOCATION TABLE

ROAD NAME	WATER (DW)		WATER (NDW)		GAS		NBN (TELECOM)		ELECTRICITY	
	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	U/G CABLE	OFFSET
TANGALO STREET (LOT 1109-LOT1114)	W	3.10	W	2.60	W	2.10	E	1.85	E	2.40
TANGALO STREET (LOT 1115-1117)	W	2.70	W	2.20	W	1.78	E	1.78	E	2.60
POYNER CIRCUIT	S	3.10	S	2.60	S	2.20	N	1.80	N	2.30

- 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.

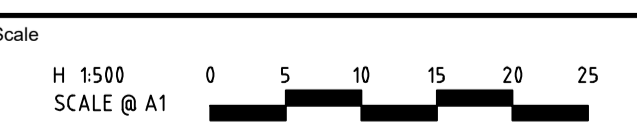


ALL PROPOSED SEWER CONSTRUCTION UNDER FOOTPATH IS TO BE BACKFILLED IN ACCORDANCE WITH CURRENT MRWA STANDARDS. REFER TO TABLE 201-A:TRAFFICABLE AREAS (TYPE R OR TYPE F BACKFILL)

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.

file name: 304014CR201.dwg; I:\projects\304014\304014.dwg; plot date: 28/03/2022 10:31 AM; sheet: 3 of 14; sheets

Rev	Description	Approved	Date
2	DRIVEWAY OF LOT 1149 ADDED	R.W	28/03/22
1	AS CONSTRUCTED	R.W	24/02/22
1	UPDATED GW CONDUITS	---	---
0	ISSUED FOR CONSTRUCTION	M.T-S	01/06/21
C	PIPE SIZE ADDED, PIT 315 LOCATION AMENDED	M.T-S	21/05/21
B	AMENDED AS PER COUNCIL COMMENTS	M.T-S	26/04/21
A	PRELIMINARY ISSUE	M.T-S	16/03/21



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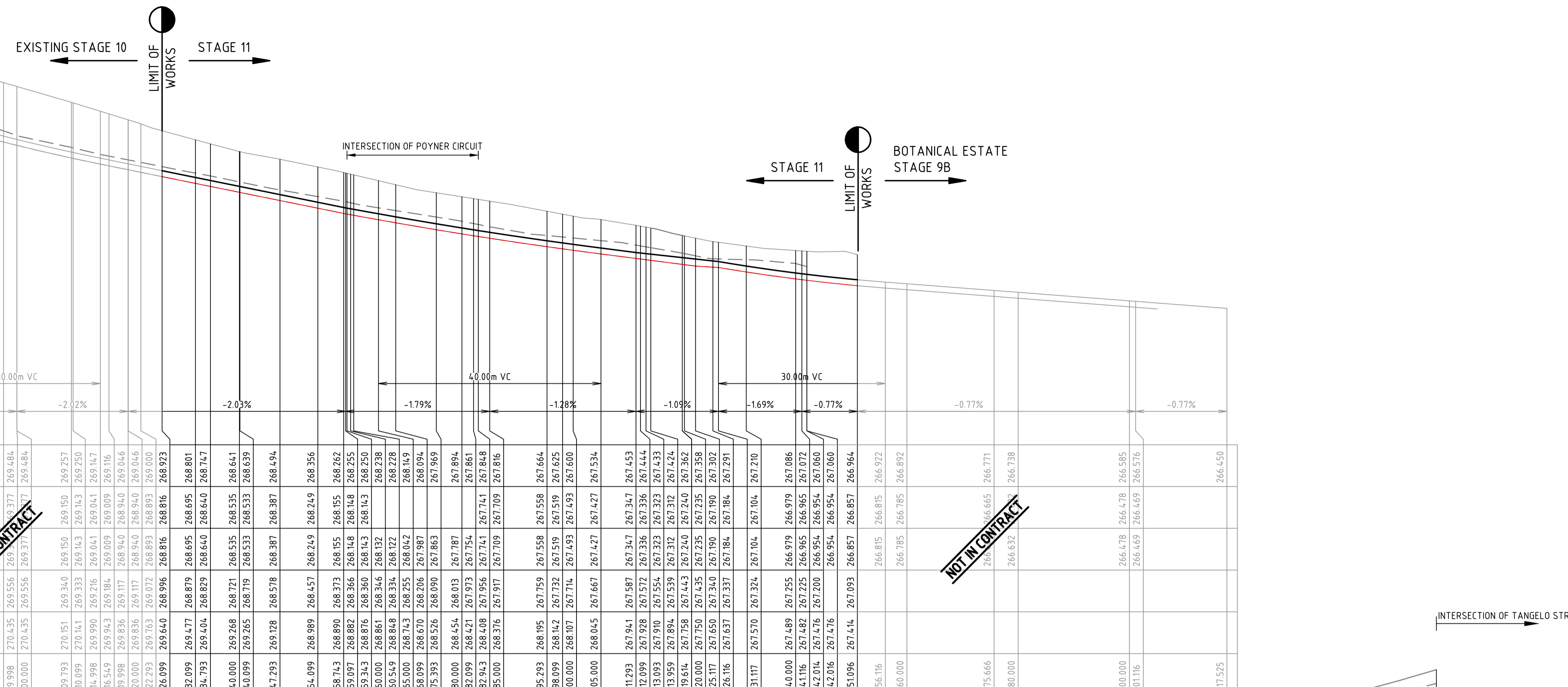
414 LA TROBE STREET PO BOX 16084 MELBOURNE
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Designed
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Checked
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TRIJENA ESTATE
STAGE 11
ROAD AND DRAINAGE
SERVICES PLAN
HUME CITY COUNCIL
PGG (MICKLEHAM) PTY LTD

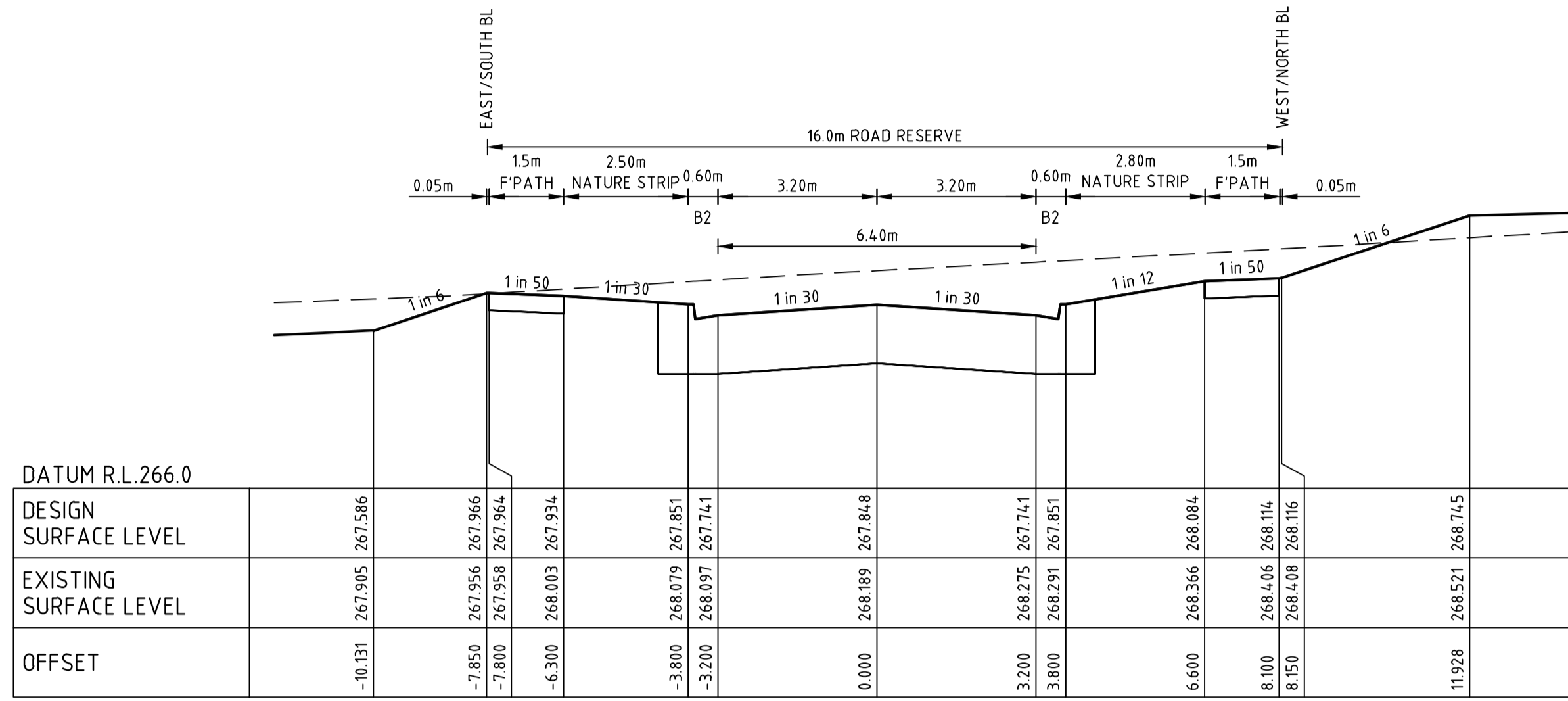
AS CONSTRUCTED Dwg No **304014CR201** Rev **2**



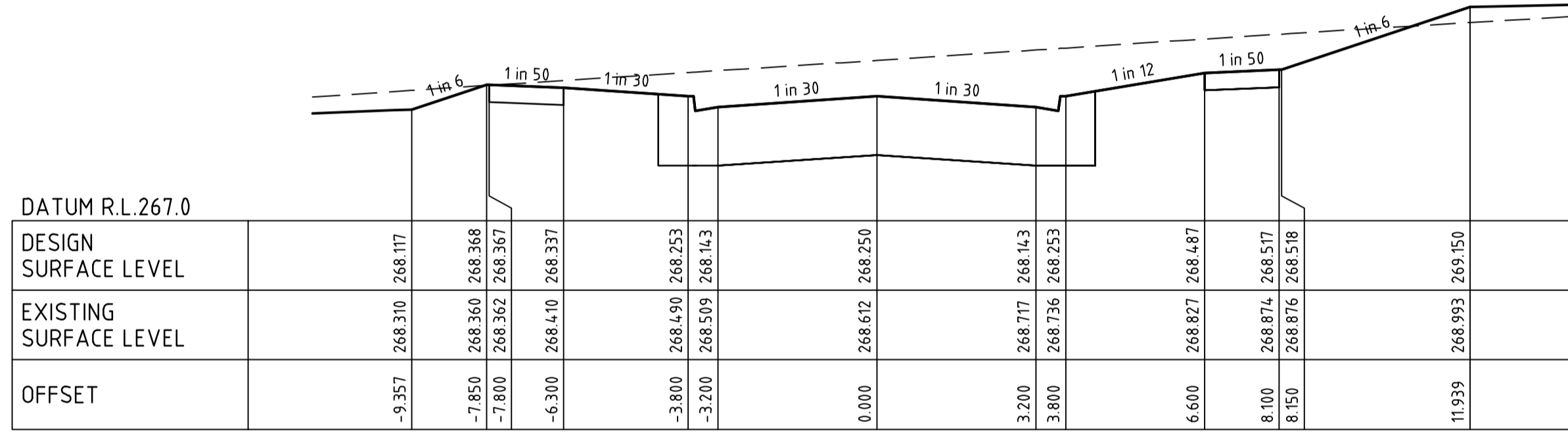
CHAINAGE	71.000	71.377	71.754	72.131	72.508	72.885	73.262	73.639	74.016	74.393	74.770	75.147	75.524	75.901	76.278	76.655	77.032	77.409	77.786	78.163	78.540	78.917	79.294	79.671	80.048	80.425	80.802	81.179	81.556	81.933	82.310	82.687	83.064	83.441	83.818	84.195	84.572	84.949	85.326	85.703	86.080	86.457	86.834	87.211	87.588	87.965	88.342	88.719	89.096	89.473	89.850	90.227	90.604	90.981	91.358	91.735	92.112	92.489	92.866	93.243	93.620	93.997	94.374	94.751	95.128	95.505	95.882	96.259	96.636	97.013	97.390	97.767	98.144	98.521	98.898	99.275	99.652	100.029	100.406	100.783	101.160	101.537	101.914	102.291	102.668	103.045	103.422	103.799	104.176	104.553	104.930	105.307	105.684	106.061	106.438	106.815	107.192	107.569	107.946	108.323	108.700	109.077	109.454	109.831	110.208	110.585	110.962	111.339	111.716	112.093	112.470	112.847	113.224	113.601	113.978	114.355	114.732	115.109	115.486	115.863	116.240	116.617	116.994	117.371	117.748	118.125	118.502	118.879	119.256	119.633	120.010	120.387	120.764	121.141	121.518	121.895	122.272	122.649	123.026	123.403	123.780	124.157	124.534	124.911	125.288	125.665	126.042	126.419	126.796	127.173	127.550	127.927	128.304	128.681	129.058	129.435	129.812	130.189	130.566	130.943	131.320	131.697	132.074	132.451	132.828	133.205	133.582	133.959	134.336	134.713	135.090	135.467	135.844	136.221	136.598	136.975	137.352	137.729	138.106	138.483	138.860	139.237	139.614	139.991	140.368	140.745	141.122	141.499	141.876	142.253	142.630	143.007	143.384	143.761	144.138	144.515	144.892	145.269	145.646	146.023	146.400	146.777	147.154	147.531	147.908	148.285	148.662	149.039	149.416	149.793	150.170	150.547	150.924	151.301	151.678	152.055	152.432	152.809	153.186	153.563	153.940	154.317	154.694	155.071	155.448	155.825	156.202	156.579	156.956	157.333	157.710	158.087	158.464	158.841	159.218	159.595	159.972	160.349	160.726	161.103	161.480	161.857	162.234	162.611	162.988	163.365	163.742	164.119	164.496	164.873	165.250	165.627	166.004	166.381	166.758	167.135	167.512	167.889	168.266	168.643	169.020	169.397	169.774	170.151	170.528	170.905	171.282	171.659	172.036	172.413	172.790	173.167	173.544	173.921	174.298	174.675	175.052	175.429	175.806	176.183	176.560	176.937	177.314	177.691	178.068	178.445	178.822	179.199	179.576	179.953	180.330	180.707	181.084	181.461	181.838	182.215	182.592	182.969	183.346	183.723	184.100	184.477	184.854	185.231	185.608	185.985	186.362	186.739	187.116	187.493	187.870	188.247	188.624	189.001	189.378	189.755	190.132	190.509	190.886	191.263	191.640	192.017	192.394	192.771	193.148	193.525	193.902	194.279	194.656	195.033	195.410	195.787	196.164	196.541	196.918	197.295	197.672	198.049	198.426	198.803	199.180	199.557	199.934	200.311	200.688	201.065	201.442	201.819	202.196	202.573	202.950	203.327	203.704	204.081	204.458	204.835	205.212	205.589	205.966	206.343	206.720	207.097	207.474	207.851	208.228	208.605	208.982	209.359	209.736	210.113	210.490	210.867	211.244	211.621	211.998	212.375	212.752	213.129	213.506	213.883	214.260	214.637	215.014	215.391	215.768	216.145	216.522	216.899	217.276	217.653	218.030	218.407	218.784	219.161	219.538	219.915	220.292	220.669	221.046	221.423	221.800	222.177	222.554	222.931	223.308	223.685	224.062	224.439	224.816	225.193	225.570	225.947	226.324	226.701	227.078	227.455	227.832	228.209	228.586	228.963	229.340	229.717	230.094	230.471	230.848	231.225	231.602	231.979	232.356	232.733	233.110	233.487	233.864	234.241	234.618	234.995	235.372	235.749	236.126	236.503	236.880	237.257	237.634	238.011	238.388	238.765	239.142	239.519	239.896	240.273	240.650	241.027	241.404	241.781	242.158	242.535	242.912	243.289	243.666	244.043	244.420	244.797	245.174	245.551	245.928	246.305	246.682	247.059	247.436	247.813	248.190	248.567	248.944	249.321	249.698	250.075	250.452	250.829	251.206	251.583	251.960	252.337	252.714	253.091	253.468	253.845	254.222	254.599	254.976	255.353	255.730	256.107	256.484	256.861	257.238	257.615	257.992	258.369	258.746	259.123	259.500	259.877	260.254	260.631	261.008	261.385	261.762	262.139	262.516	262.893	263.270	263.647	264.024	264.401	264.778	265.155	265.532	265.909	266.286	266.663	267.040	267.417	267.794	268.171	268.548	268.925	269.302	269.679	270.056	270.433	270.810	271.187	271.564	271.941	272.318	272.695	273.072	273.449	273.826	274.203	274.580	274.957	275.334	275.711	276.088	276.465	276.842	277.219	277.596	277.973	278.350	278.727	279.104	279.481	279.858	280.235	280.612	280.989	281.366	281.743	282.120	282.497	282.874	283.251	283.628	284.005	284.382	284.759	285.136	285.513	285.890	286.267	286.644	287.021	287.398	287.775	288.152	288.529	288.906	289.283	289.660	290.037	290.414	290.791	291.168	291.545	291.922	292.299	292.676	293.053	293.430	293.807	294.184	294.561	294.938	295.315	295.692	296.069	296.446	296.823	297.200	297.577	297.954	298.331	298.708	299.085	299.462	299.839	300.216	300.593	300.970	301.347	301.724	302.101	302.478	302.855	303.232	303.609	303.986	304.363	304.740	305.117	305.494	305.871	306.248	306.625	307.002	307.379	307.756	308.133	308.510	308.887	309.264	309.641	310.018	310.395	310.772	311.149	311.526	311.903	312.280	312.657	313.034	313.411	313.788	314.165	314.542	314.919	315.296	315.673	316.050	316.427	316.804	317.181	317.558	317.935	318.312	318.689	319.066	319.443	319.820	320.197	320.574	320.951	321.328	321.705	322.082	322.459	322.836	323.213	323.590	323.967	324.344	324.721	325.098	325.475	325.852	326.229	326.606	326.983	327.360	327.737	328.114	328.491	328.868	329.245	329.622	330.000	330.377	330.754	331.131	331.508	331.885	332.262	332.639	333.016	333.393	333.770	334.147	334.524	334.901	335.278	335.655	336.032	336.409	336.786	337.163	337.540	337.917	338.294	338.671	339.048	339.425	339.802	340.179	340.556	340.933	341.310	341.687	342.064	342.441	342.818	343.195	343.572	343.949	344.326	344.703	345.080	345.457	345.834	346.211	346.588	346.965	347.342	347.719	348.096	348.473	348.850	349.227	349.604	349.981	350.358	350.735	351.112	351.489	351.866	352.243	352.620	352.997	353.374	353.751	354.128	354.505	354.882	355.259	355.636	356.013	356.390	356.767	357.144	357.521	357.898	358.275	358.652	359.029	359.406	359.783	360.160	360.537	360.914	361.291	361.668	362.045	362.422	362.799	363.176	363.553	363.930	364.307	364.684	365.061	365.438	365.815	366.192	366.569	366.946	367.323	367.700	368.077	368.454	368.831	369.208	369.585	369.962	370.339	370.716	371.093	371.470	371.847	372.224	372.601	372.978	373.355	373.732	374.109	374.486	374.863	375.240	375.617	375.994	376.371	376.748	377.125	377.502	377.879	378.256	378.633	379.010	379.387	379.764	380.141	380.518	380.895	381.272	381.649	382.026	382.403	382.780	383.157	383.534	383.911	384.288	384.665	385.042	385.419	385.796	386.173	386.550	386.927	387.304	387.681	388.058	388.435	388.812	389.189	389.566	389.943	390.320	390.697	391.074	391.451	391.828	392.205	392.582	392.959	393.336	393.713	394.090	394.467	394.844	395.221	395.598	395.975	396.352	396.729	397.106	397.483	397.860	398.237	398.614	398.991	399.368	399.745	400.122	400.499	400.876	401.253	401.630	402.007	402.384	402.761	403.138	403.515	403.892	404.269	404.646	405.023	405.400	405.777	406.154	406.531	406.908	407.285	407.662	408.039	408.416	408.793	409.170	409.547	409.924	410.301	410.678	411.055	411.432	411.809	412.186	412.563	412.940	413.317	413.694	414.071	414.448	414.825	415.202	415.579	415.956	416.333	416.710	417.087	417.464	417.841	418.218	418.595	418.972	419.349	419.726	420.103	420.480	420.857	421.234	421.611	421.988	422.365	422.742	423.119	423.496	423.873	424.250	424.627	425.004	425.381	425.758
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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.

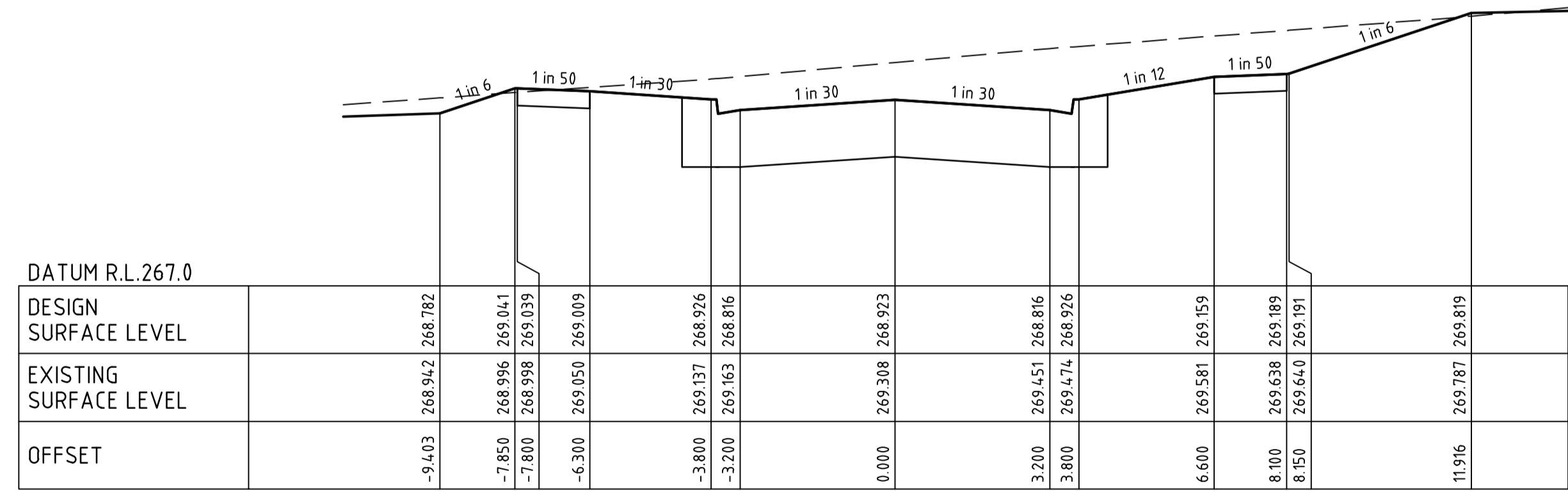
 STRUCTURAL FILL IN ACCORDANCE WITH AS3798-2007, LEVEL 1



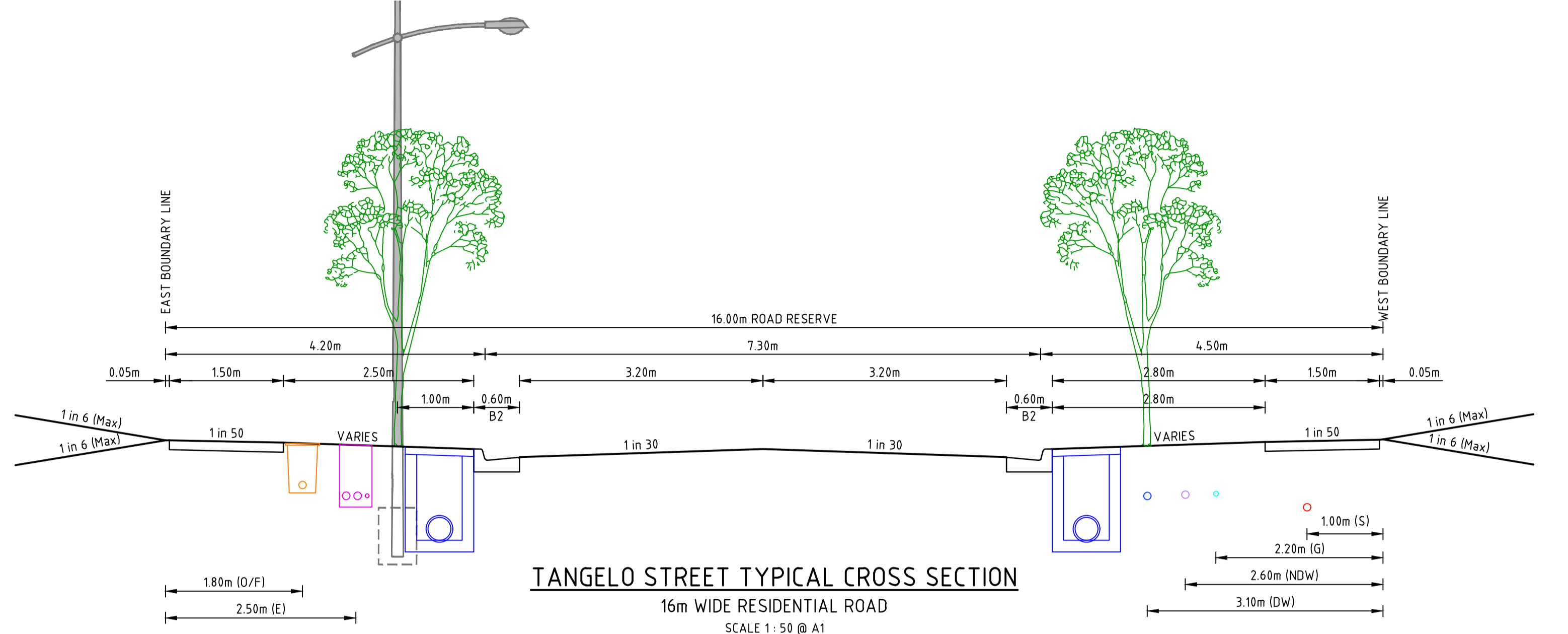
TANGELO STREET CH 182.94



TANGELO STREET CH 159.34



TANGELO STREET CH 126.10



TANGELO STREET CH 211.29

file name: 304014CR400.dwg, layout name: CR400, plot style: P1.ctb, plot date: 28/03/2022 10:31 AM, sheet: 5 of 14, sheets

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

Rev	Description	By	Date
1	AS CONSTRUCTED	R.W	24/02/22
0	ISSUED FOR CONSTRUCTION	M.T-S	01/06/21
A	PRELIMINARY ISSUE	M.T-S	16/03/21
Rev	Amendments	Approved	Date

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Designed
E.PERRAULT
 Authorised
M.TOOMER-SMITH

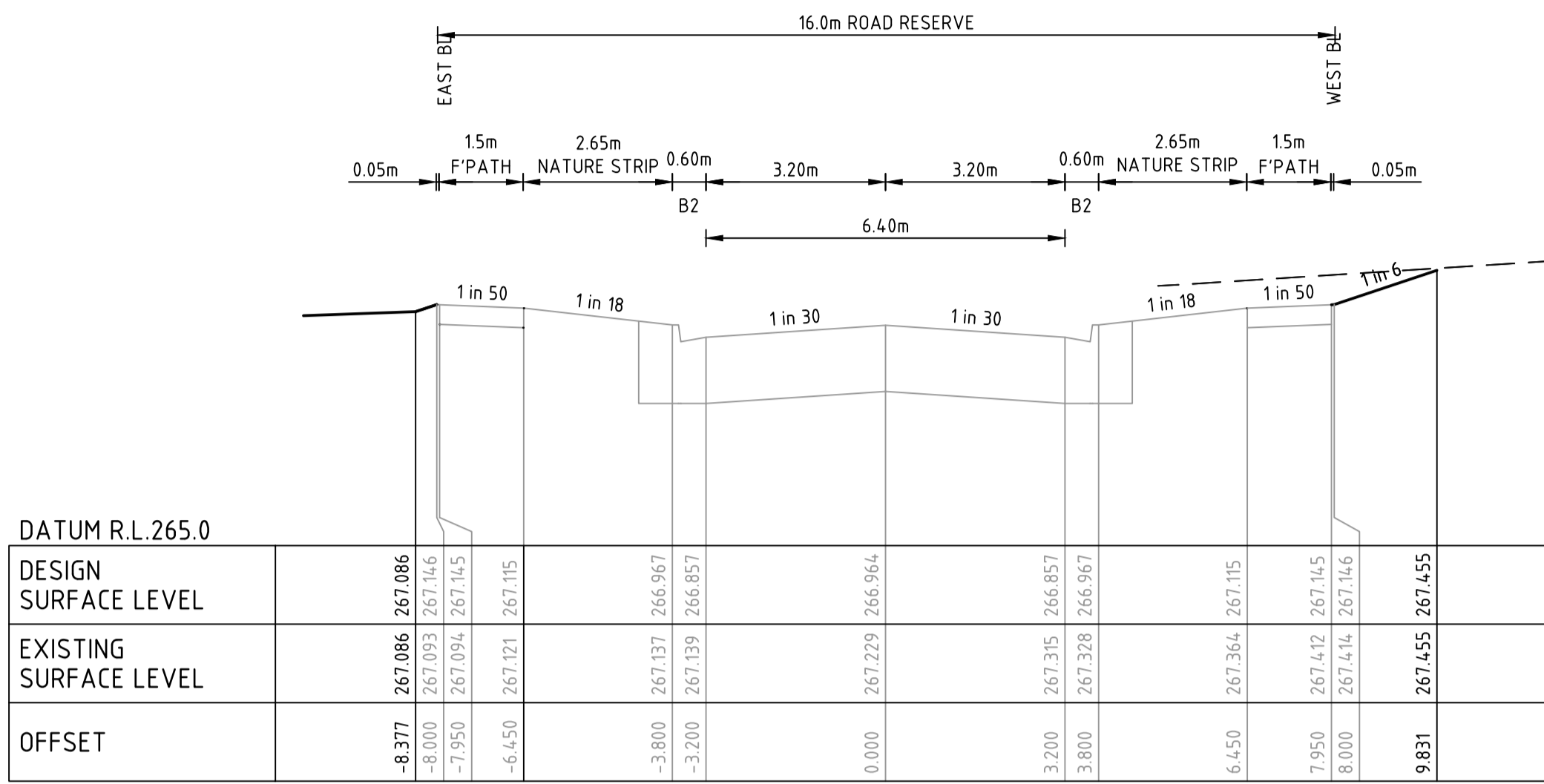
Checked
 Date
MARCH 2021

TRIJENA ESTATE
STAGE 11
 ROAD AND DRAINAGE
 ROAD CROSS SECTIONS - SHEET 1
 HUME CITY COUNCIL
 PGG (MICKLEHAM) PTY LTD

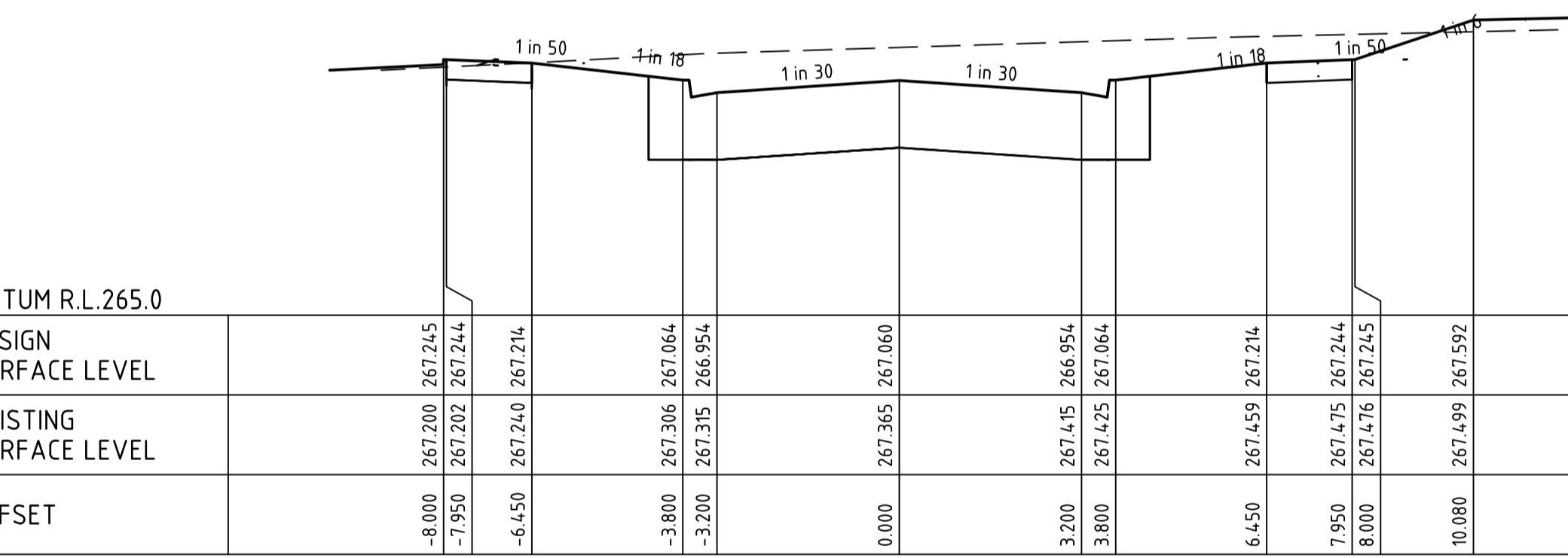
AS CONSTRUCTED Drg No **304014CR400** Rev **1**

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.

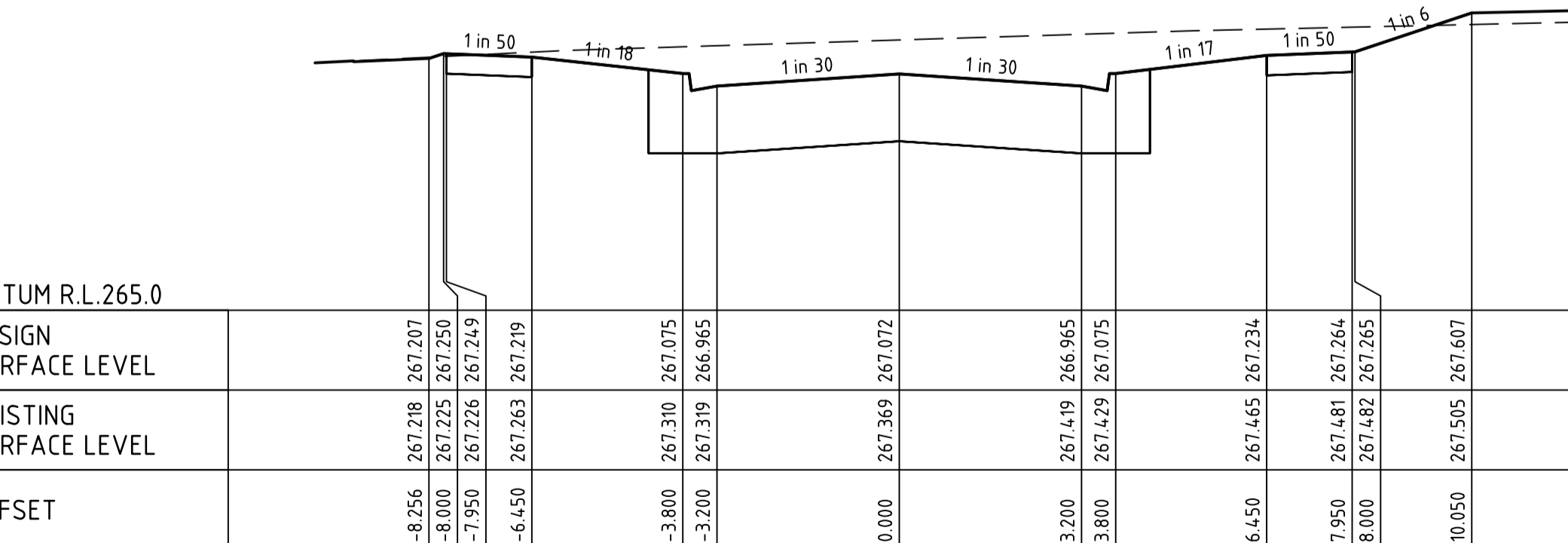
 STRUCTURAL FILL IN ACCORDANCE WITH AS3798-2007, LEVEL 1



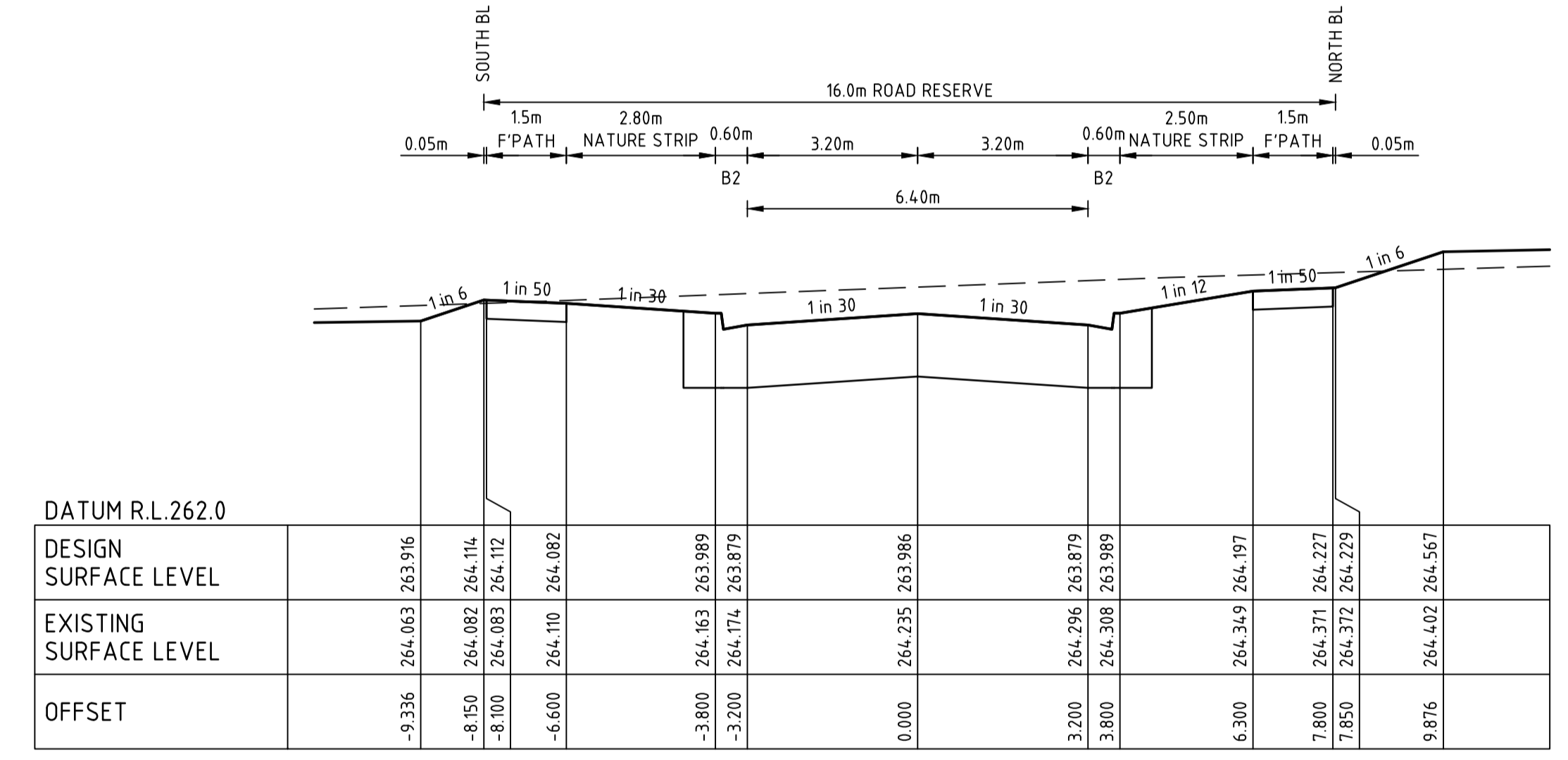
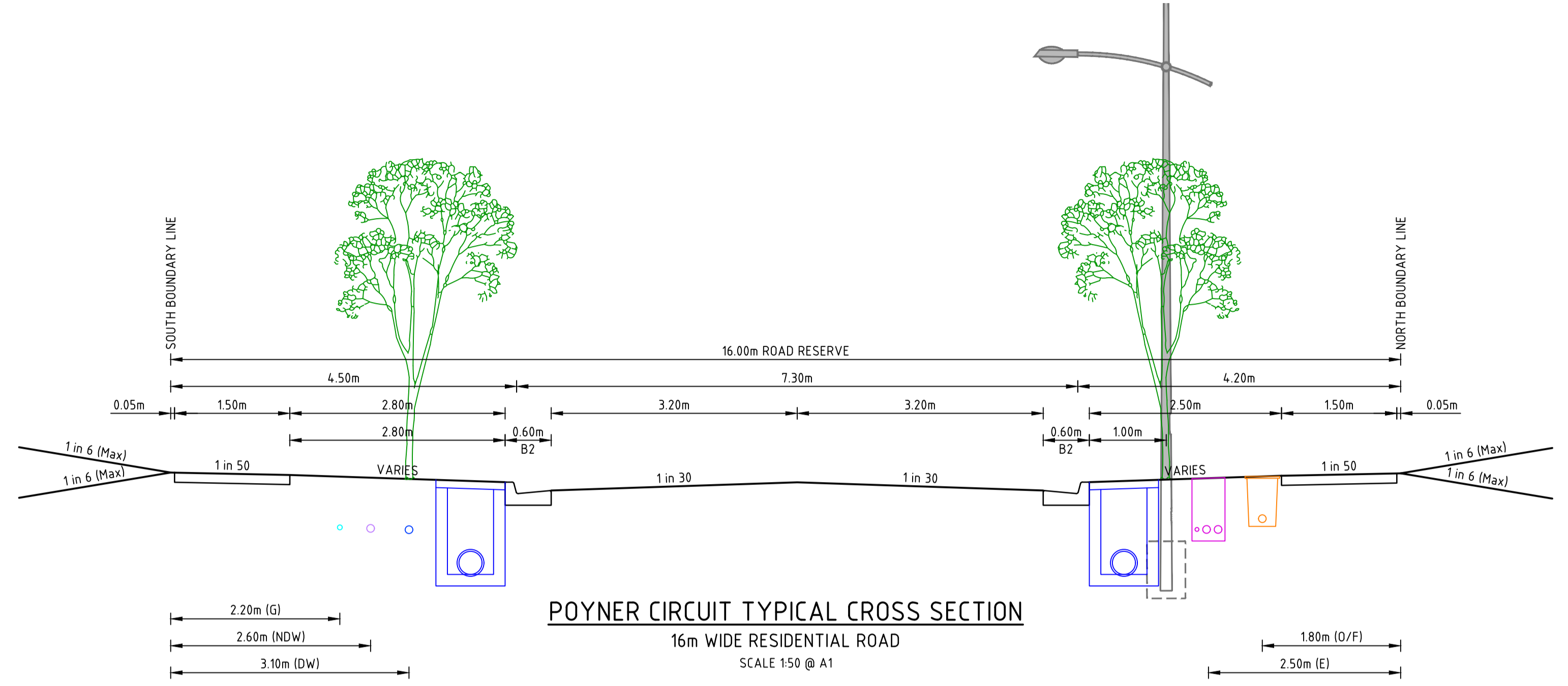
TANGELO STREET CH 251.10 (EXISTING BOTANICAL ESTATE)



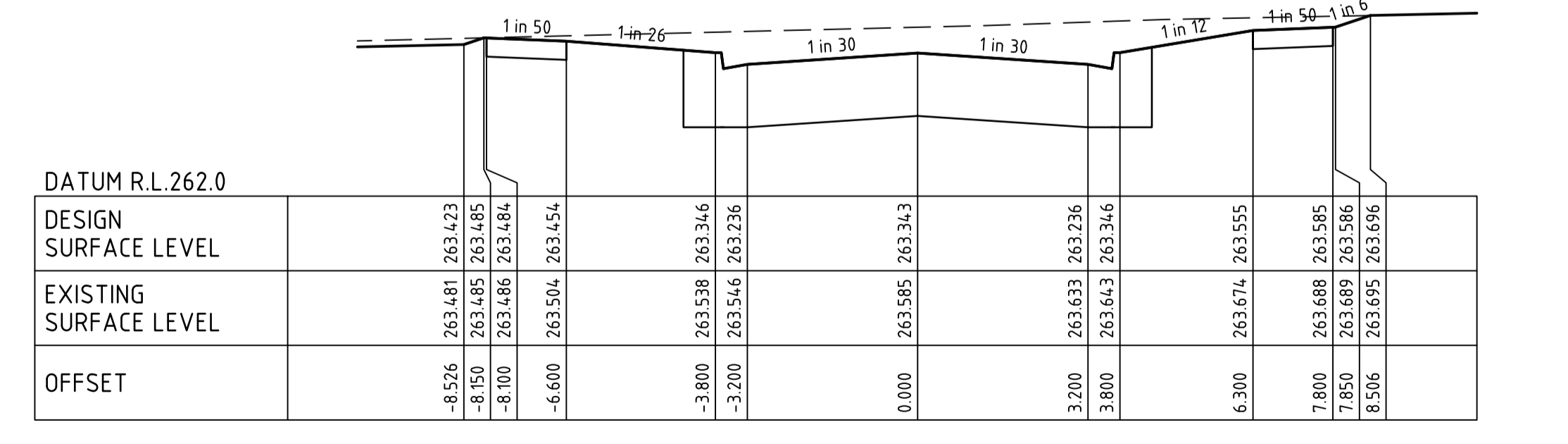
TANGELO STREET CH 242.01 (MATCH INTO EXISTING BOTANICAL ESTATE)



TANGELO STREET CH 241.12



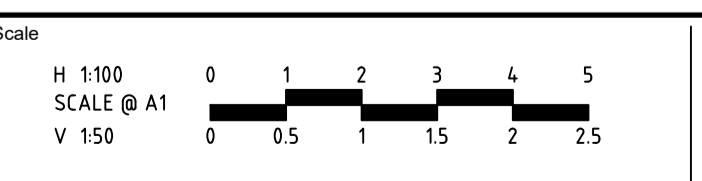
POYNER CIRCUIT CH 146.82



POYNER CIRCUIT CH 110.22

file name: 304014CR401.dwg, layout name: CR401, plot style: PLOT.dwg, plot date: 20/03/2022 10:37 AM, Sheet: 6 of 14, Sheets

Rev	Amendments	Approved	Date
1	AS CONSTRUCTED	R.W	24/02/22
0	ISSUED FOR CONSTRUCTION	M.T-S	01/06/21
B	TANGELO STREET CROSS SECTION MATCHING INTO BOTANICAL ESTATE PROVIDED	M.T-S	26/04/21
A	PRELIMINARY ISSUE	M.T-S	16/03/21



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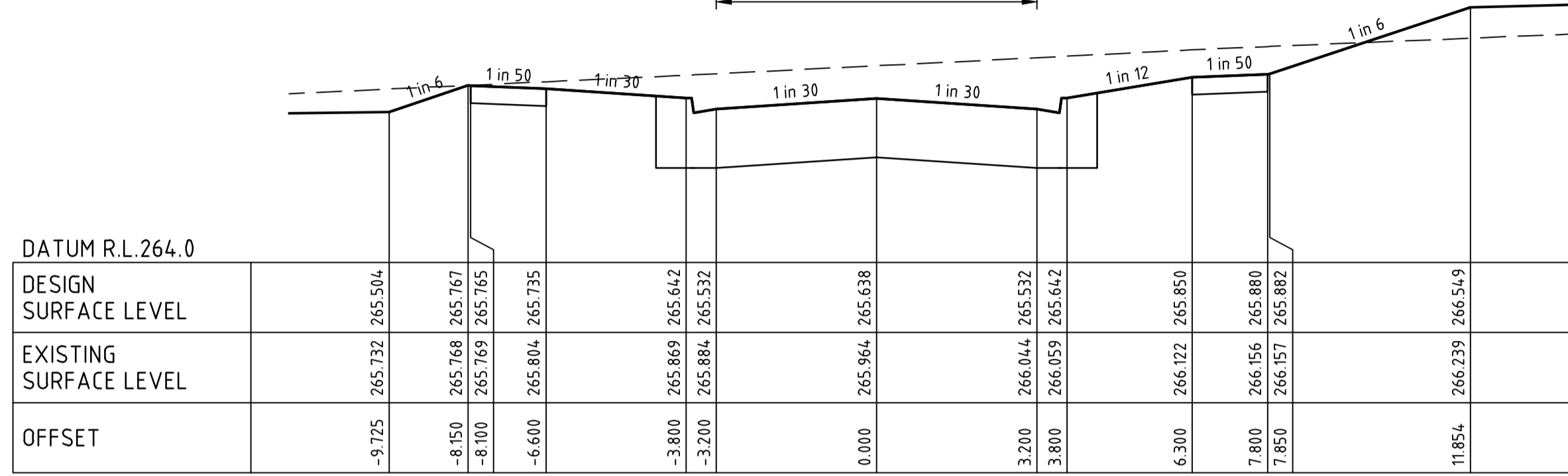
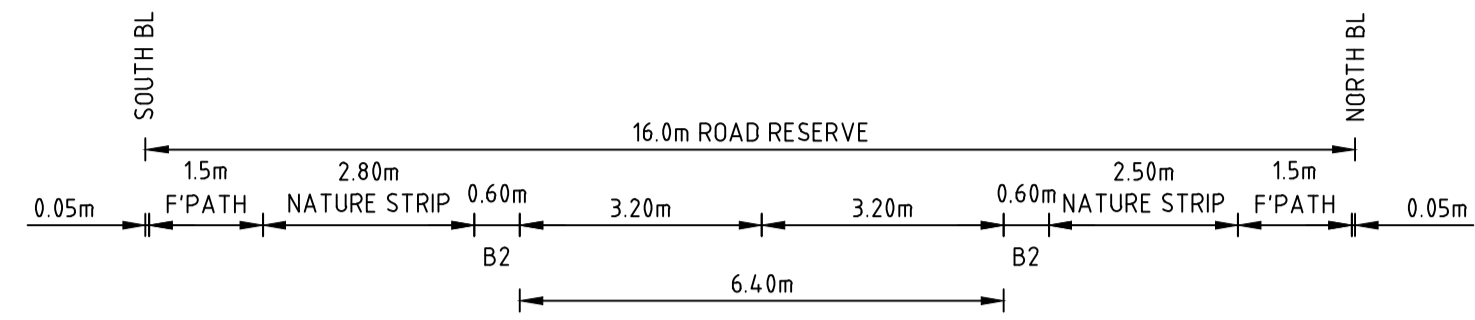
Designed: E.PERRAULT
 Authorised: M.TOOMER-SMITH
 Checked: []
 Date: MARCH 2021

TRIJENA ESTATE
STAGE 11
 ROAD AND DRAINAGE
 ROAD CROSS SECTIONS - SHEET 2
 HUME CITY COUNCIL
 PGG (MICKLEHAM) PTY LTD

AS CONSTRUCTED Drg No: 304014CR401 Rev: 1

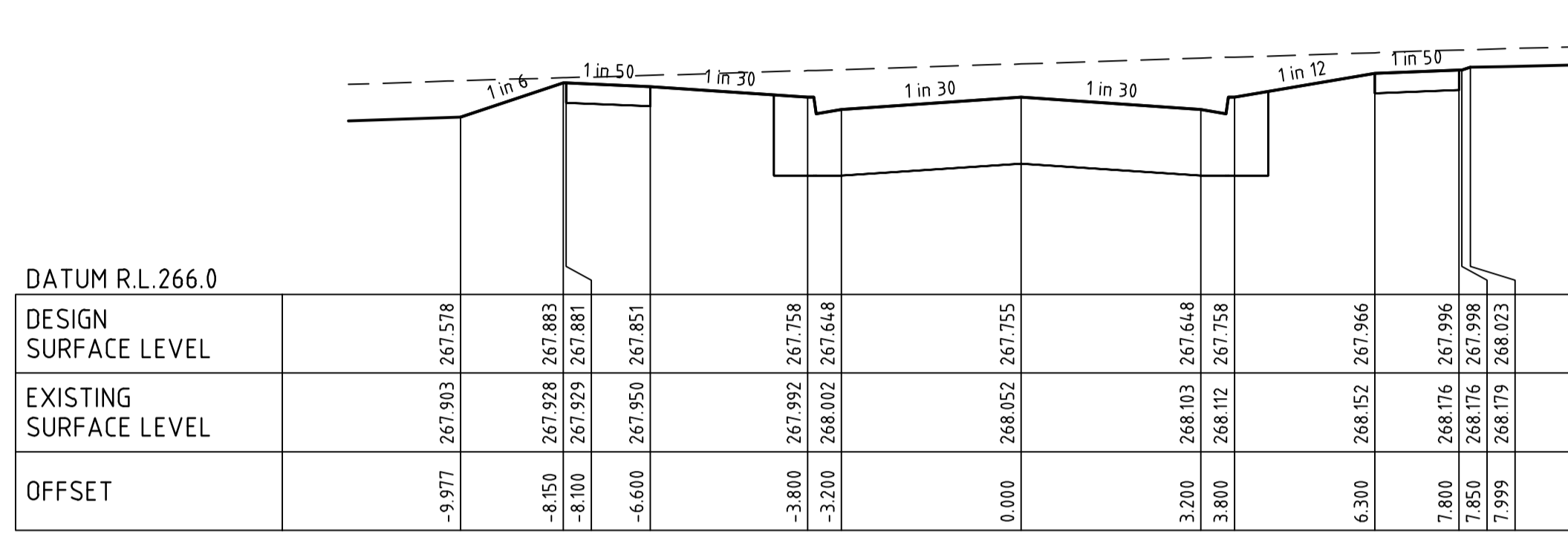
FILLING NOTE
 ALL FILLING WITHIN ROAD RESERVES IS TO BE UNDERTAKEN USING LEVEL 1 SUPERVISION AND BE COMPLETED IN ACCORDANCE WITH AS 3798-2007 AND TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND REPLACED WITH TOPSOIL (WHERE REQUIRED) TO OBTAIN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

 STRUCTURAL FILL IN ACCORDANCE WITH AS3798-2007, LEVEL 1



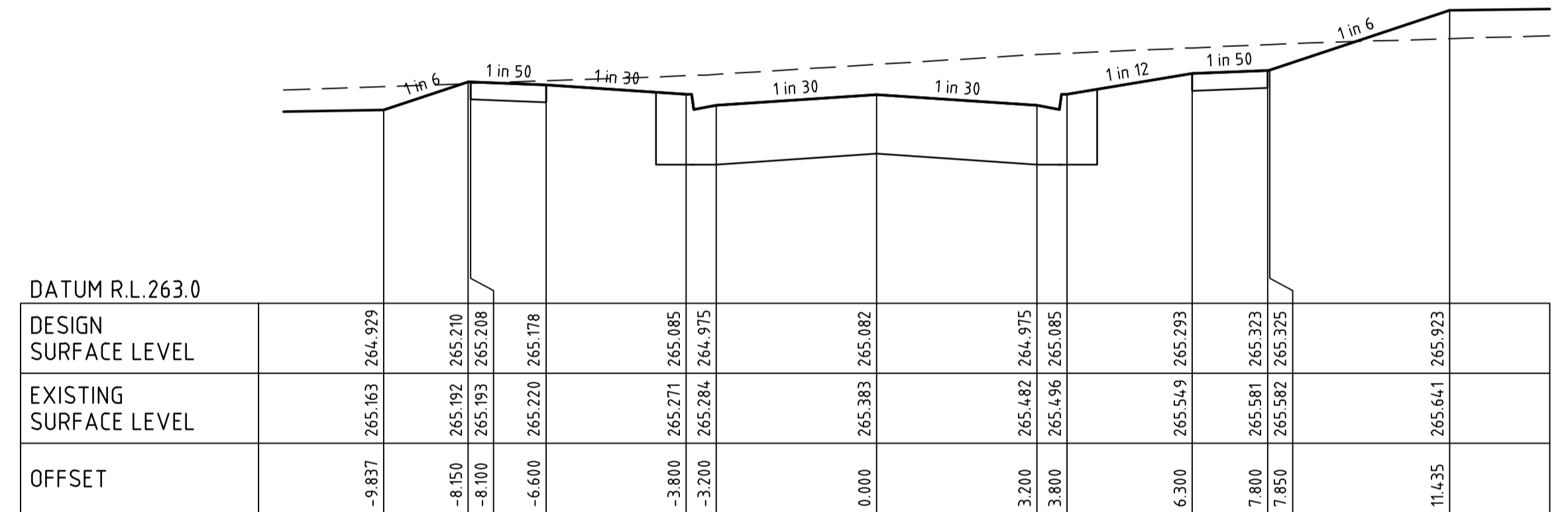
POYNER CIRCUIT

CH 225.51



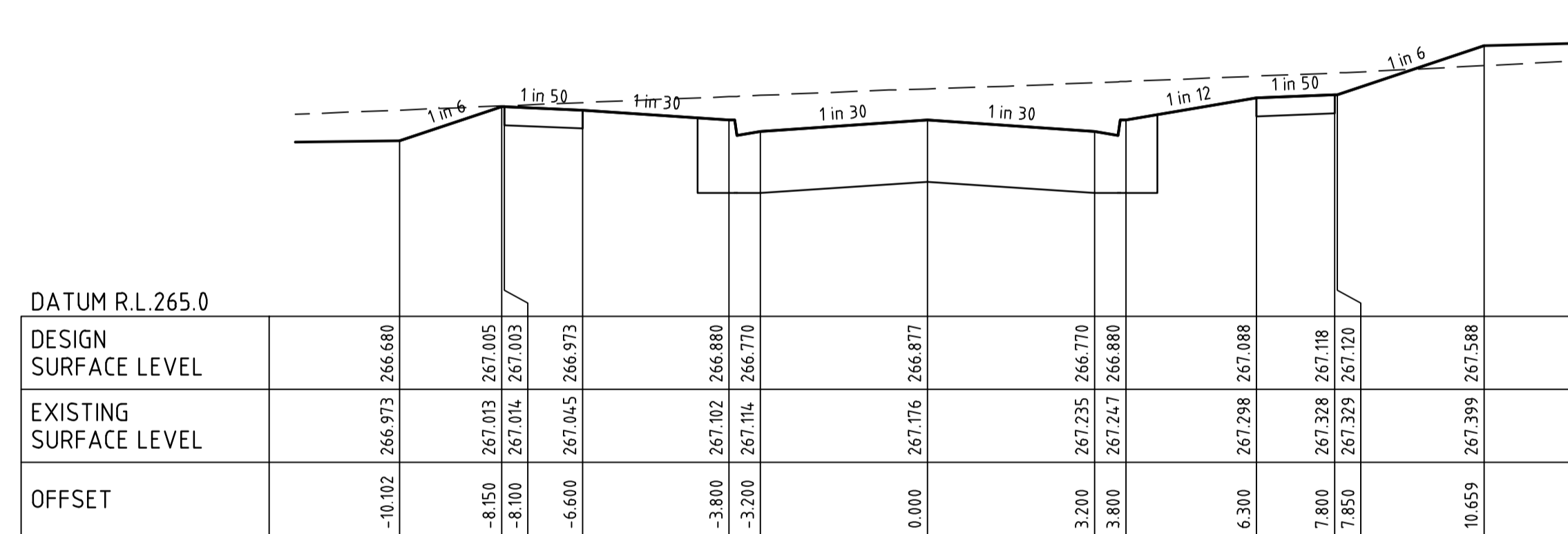
POYNER CIRCUIT

CH 317.14



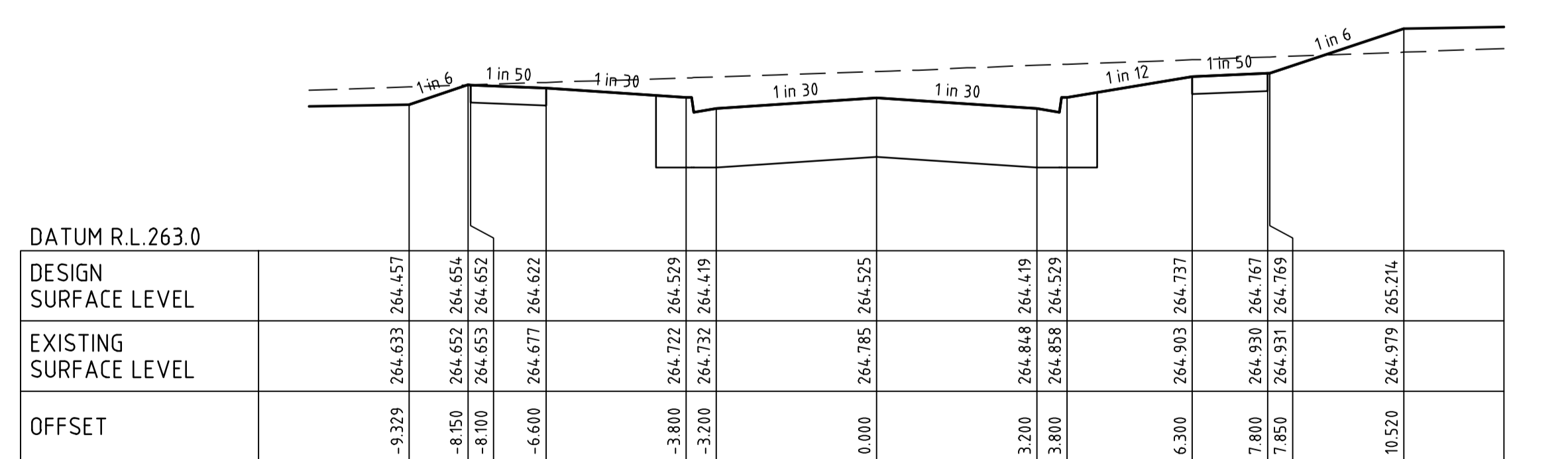
POYNER CIRCUIT

CH 199.01



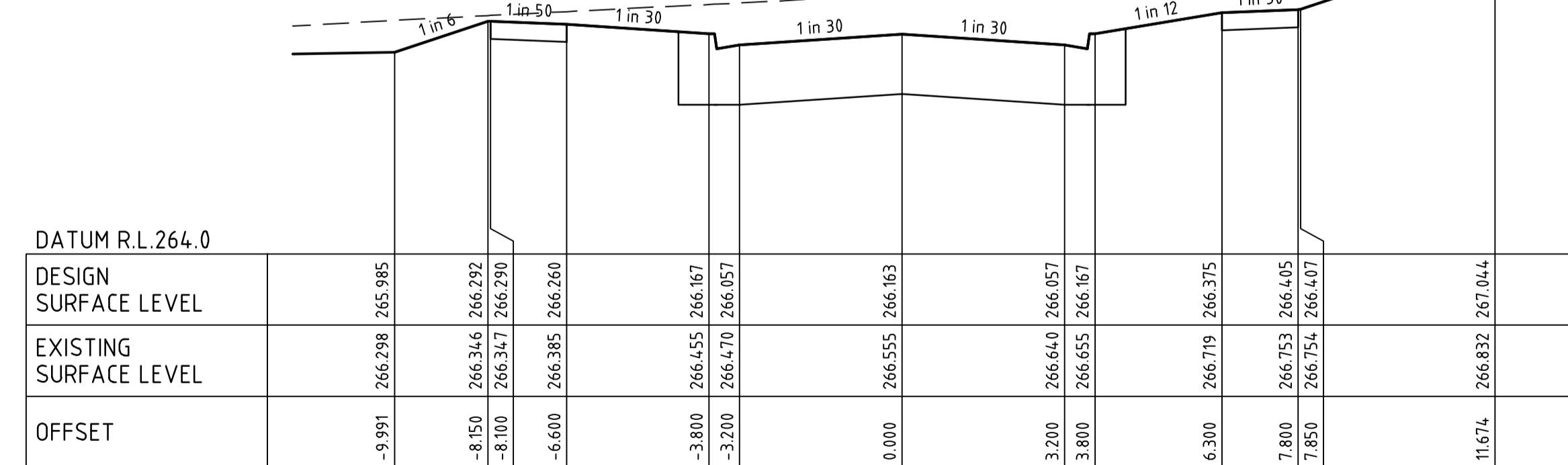
POYNER CIRCUIT

CH 284.48



POYNER CIRCUIT

CH 172.51

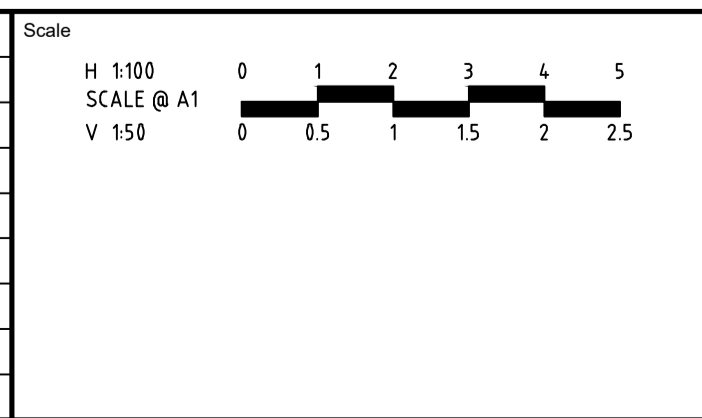


POYNER CIRCUIT

CH 250.51

file name: 304014CR402.dwg, layout name: CR402, plotted by: Elise Perrault, file location: \\spire\media\304014\304014.dwg, plot date: 28/03/2022 10:31 AM, Sheet: 7 of 14, Sheets

Rev	Amendments	Approved	Date
1	AS CONSTRUCTED	R.W	24/02/22
0	ISSUED FOR CONSTRUCTION	M.T-S	01/06/21
A	PRELIMINARY ISSUE	M.T-S	16/03/21



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Designed
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Checked
M.TOOMER-SMITH

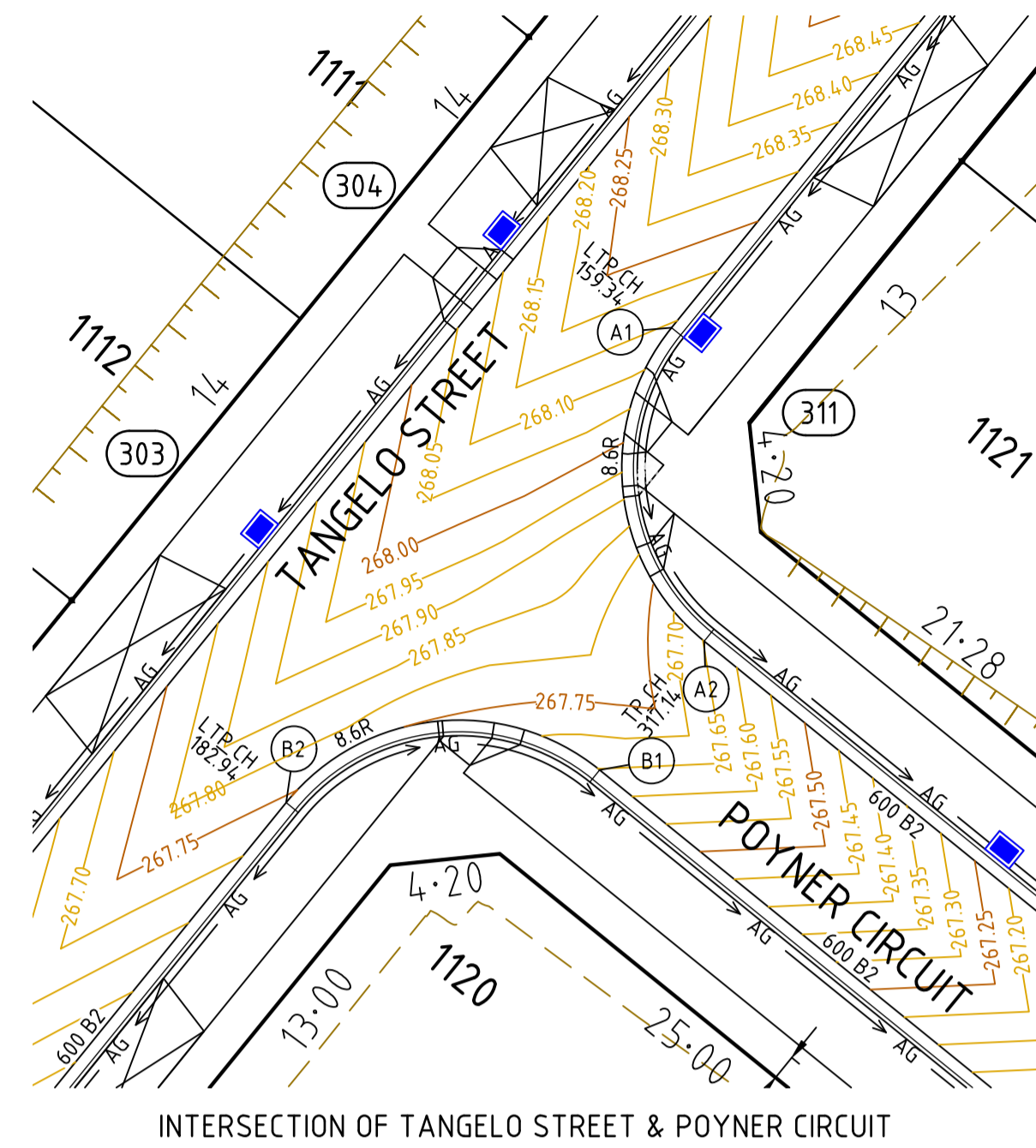
Date
MARCH 2021

TRIJENA ESTATE
STAGE 11
 ROAD AND DRAINAGE
 ROAD CROSS SECTIONS - SHEET 3
 HUME CITY COUNCIL
 PGG (MICKLEHAM) PTY LTD

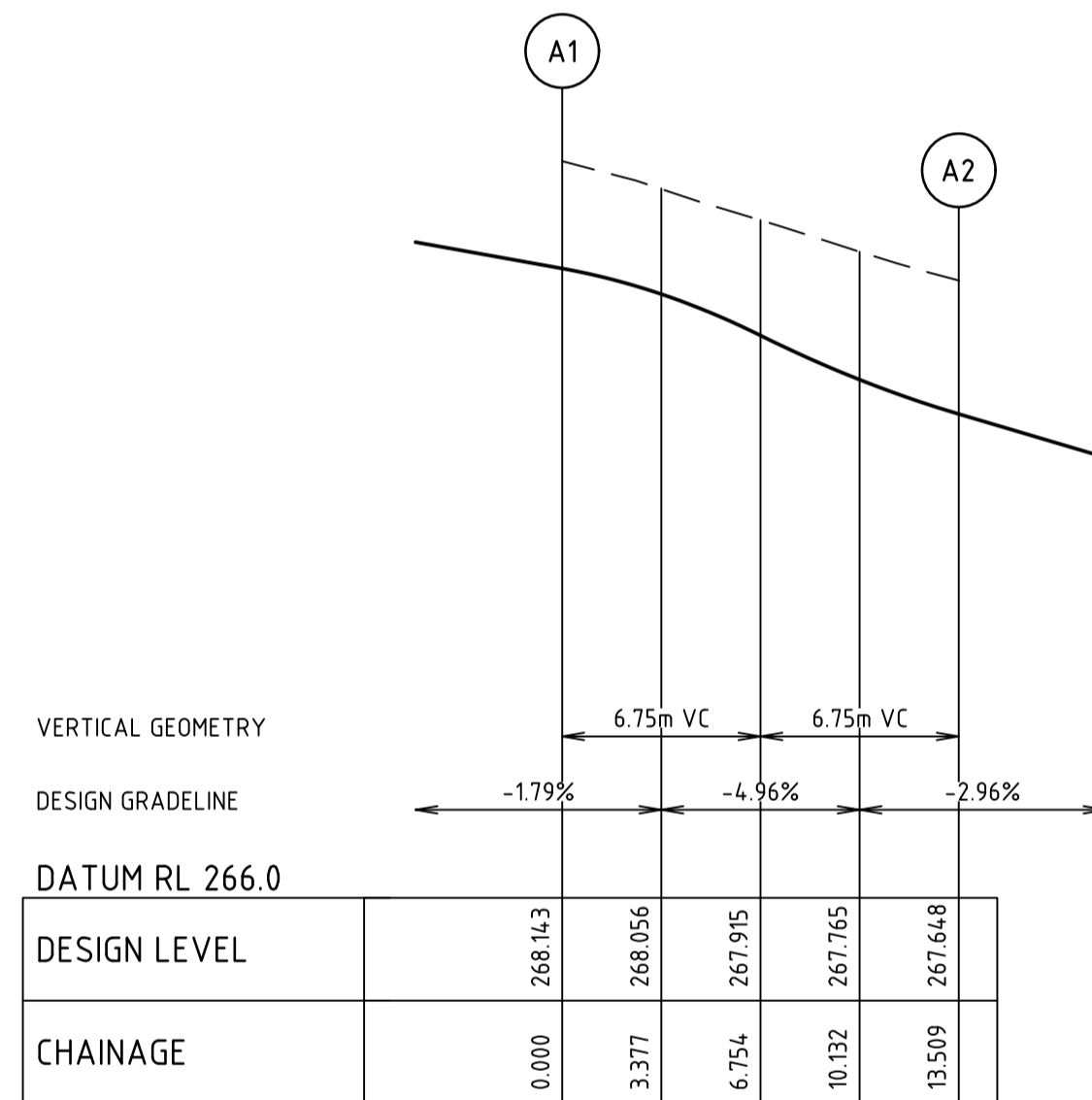
AS CONSTRUCTED

Dwg No
304014CR402

Rev
1



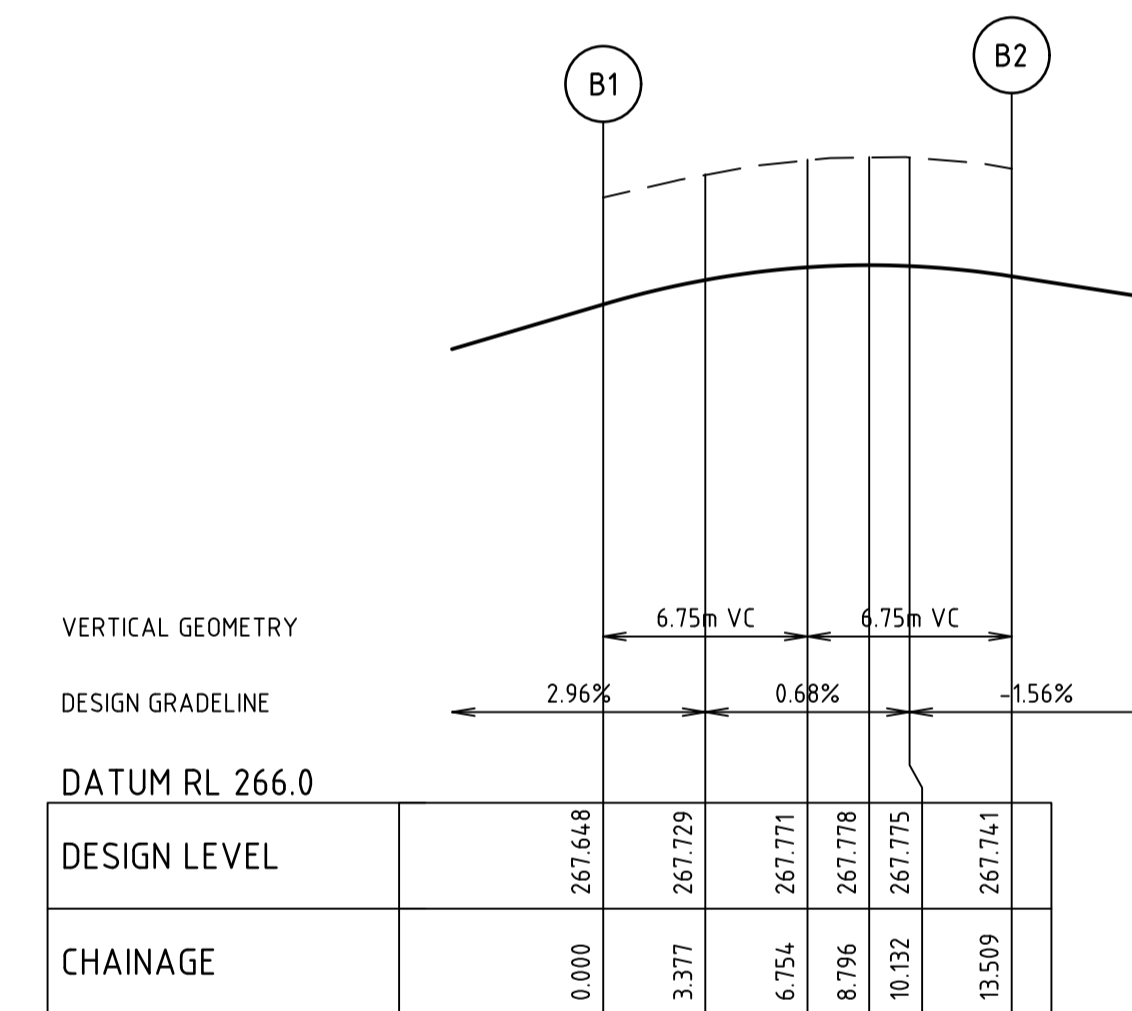
INTERSECTION OF TANGELO STREET & POYNER CIRCUIT



ALIGNMENT A
ALIGNMENT A

POINT NO	EASTING	NORTHING	RL
A1	313381.067	5842856.860	268.143
1/4	313379.501	5842853.892	268.056
1/2	313379.191	5842850.551	267.915
3/4	313380.182	5842847.345	267.765
A2	313382.325	5842844.763	267.648

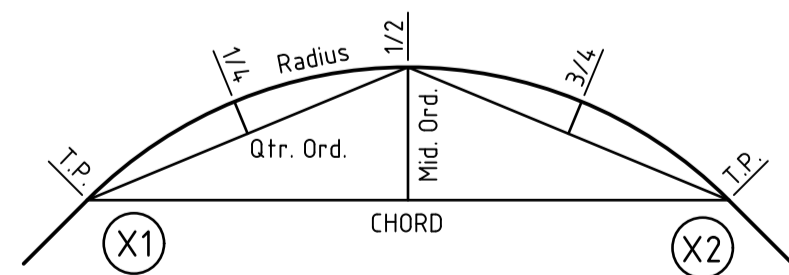
CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
A1-A2	8.600	13.509	12.162	2.519	-0.655



ALIGNMENT B
ALIGNMENT B

POINT NO	EASTING	NORTHING	RL
B1	313378.292	5842839.794	267.648
1/4	313375.324	5842841.359	267.729
1/2	313371.983	5842841.670	267.771
3/4	313368.777	5842840.678	267.775
B2	313366.195	5842838.535	267.741

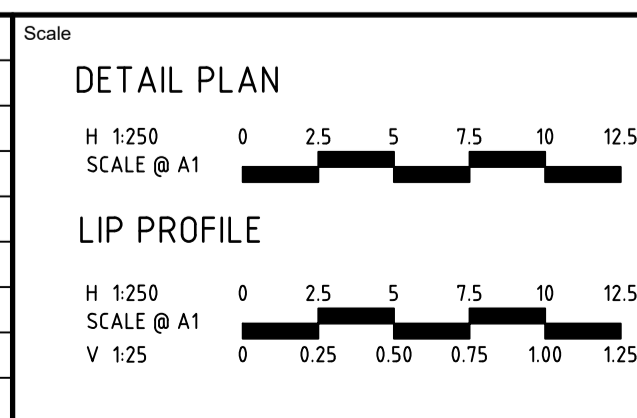
CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
B1-B2	8.600	13.509	12.162	2.519	-0.655



KERB RETURN SETOUT DETAIL

file name: 304014CR500.dwg, layout name: CR500, plot date: 20/03/2022 10:55 AM, Sheet: 8 of 14, Sheets

Rev	Description	Approved	Date
1	AS CONSTRUCTED	R.W	24/02/22
0	ISSUED FOR CONSTRUCTION	M.T-S	01/06/21
C	PIT 315 LOCATION AMENDED	M.T-S	21/05/21
B	VERTICAL CURVE PROVIDED TO ALIGNMENT B	M.T-S	26/04/21
A	PRELIMINARY ISSUE	M.T-S	16/03/21
Rev	Amendments	Approved	Date



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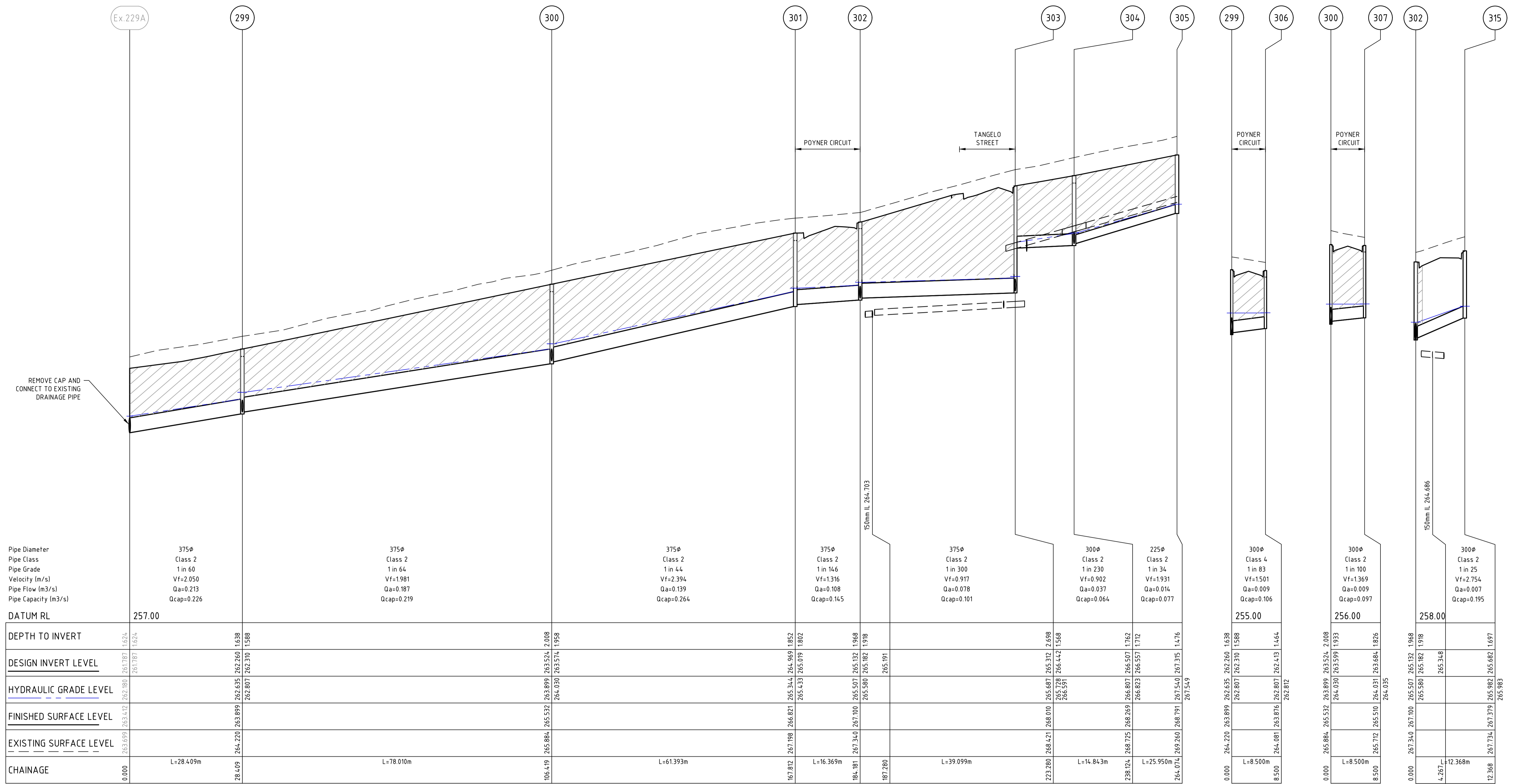
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Designed: E.PERRAULT
Checked: M.TOOMER-SMITH
Date: MARCH 2021

TRIJENA ESTATE
STAGE 11
ROAD AND DRAINAGE
INTERSECTION DETAILS - SHEET 1
HUME CITY COUNCIL
PGG (MICKLEHAM) PTY LTD

AS CONSTRUCTED Drg No: 304014CR500 Rev: 1

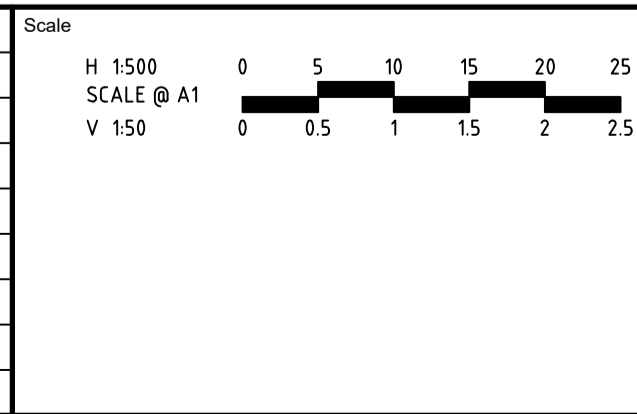
 CRUSHED ROCK BACKFILL



	257.00						255.00	256.00	258.00
Pipe Diameter	375 ϕ	375 ϕ	375 ϕ	375 ϕ	375 ϕ	375 ϕ	300 ϕ	300 ϕ	300 ϕ
Pipe Class	Class 2	Class 2	Class 2	Class 2	Class 2	Class 2	Class 4	Class 2	Class 2
Pipe Grade	1 in 60	1 in 64	1 in 44	1 in 146	1 in 300	1 in 230	1 in 83	1 in 100	1 in 25
Velocity (m/s)	Vf=2.050	Vf=1.981	Vf=2.394	Vf=1.316	Vf=0.917	Vf=1.931	Vf=1.501	Vf=1.369	Vf=2.754
Pipe Flow (m ³ /s)	Qa=0.213	Qa=0.187	Qa=0.139	Qa=0.108	Qa=0.078	Qa=0.037	Qa=0.009	Qa=0.009	Qa=0.007
Pipe Capacity (m ³ /s)	Qcap=0.226	Qcap=0.219	Qcap=0.264	Qcap=0.145	Qcap=0.101	Qcap=0.064	Qcap=0.106	Qcap=0.097	Qcap=0.195
DATUM RL	257.00						255.00	256.00	258.00
DEPTH TO INVERT	1.624	1.638	2.008	1.852	1.802	2.698	1.588	1.933	1.918
DESIGN INVERT LEVEL	261.787	262.260	263.524	264.969	265.019	265.312	262.210	263.599	265.182
HYDRAULIC GRADE LEVEL	263.412	262.335	263.899	265.344	265.433	265.728	262.807	264.031	265.348
FINISHED SURFACE LEVEL	263.699	264.220	265.532	266.821	267.100	268.010	264.081	265.510	267.340
EXISTING SURFACE LEVEL									
CHAINAGE	0.000	L=28.409m	L=78.010m	L=61.393m	L=16.369m	L=39.099m	L=8.500m	L=8.500m	L=12.368m

file name: 304014CR600.dwg, layout name: CR600, plot style: Files, Pprint, plot date: 28/03/2022 10:37 AM, Sheet: 9 of 14, Sheets

Rev	Amendments	Approved	Date
1	AS CONSTRUCTED	R.W	24/02/22
0	ISSUED FOR CONSTRUCTION	M.T-S	01/06/21
C	PIT 315 AMENDED	M.T-S	21/05/21
B	PIT 315 ADDED, PITS 300, 301, 302, 303 AMENDED	M.T-S	26/04/21
A	PRELIMINARY ISSUE	M.T-S	16/03/21



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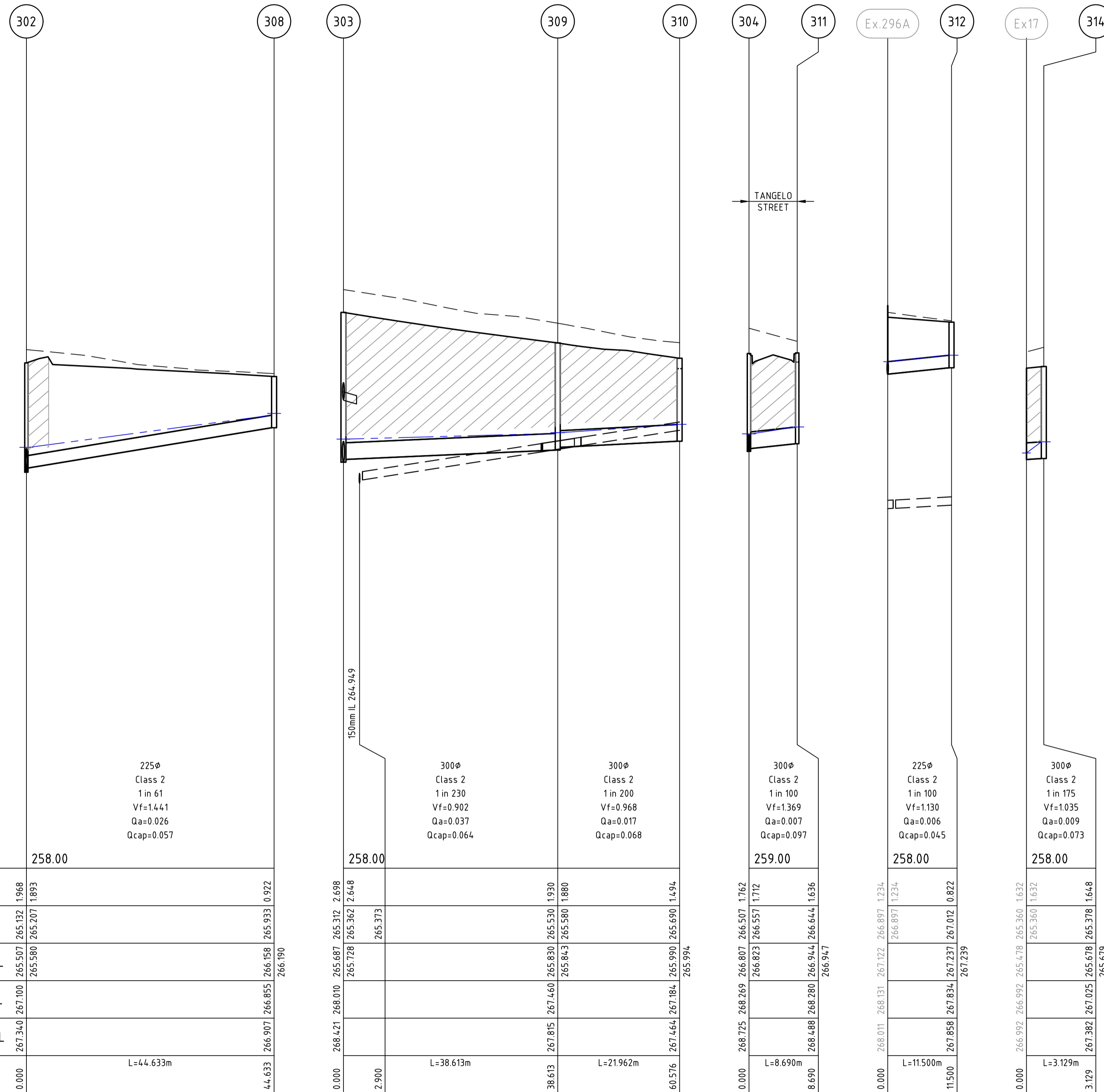
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M.TOOMER-SMITH

Date
MARCH 2021

TRIJENA ESTATE
STAGE 11
ROAD AND DRAINAGE
DRAINAGE LONG SECTIONS - SHEET 1
 HUME CITY COUNCIL
 PGG (MICKLEHAM) PTY LTD

AS CONSTRUCTED Drg No 304014CR600 Rev 1

 CRUSHED ROCK BACKFILL



Pipe Diameter	225 ϕ
Pipe Class	Class 2
Pipe Grade	1 in 61
Velocity (m/s)	Vf=1.441
Pipe Flow (m ³ /s)	Qa=0.026
Pipe Capacity (m ³ /s)	Qcap=0.057
DATUM RL	258.00
DEPTH TO INVERT	0.000
DESIGN INVERT LEVEL	258.00
HYDRAULIC GRADE LEVEL	258.00
FINISHED SURFACE LEVEL	258.00
EXISTING SURFACE LEVEL	258.00
CHAINAGE	L=44.633m

Pipe Diameter	300 ϕ
Pipe Class	Class 2
Pipe Grade	1 in 230
Velocity (m/s)	Vf=0.902
Pipe Flow (m ³ /s)	Qa=0.037
Pipe Capacity (m ³ /s)	Qcap=0.064
DATUM RL	258.00
DEPTH TO INVERT	0.000
DESIGN INVERT LEVEL	258.00
HYDRAULIC GRADE LEVEL	258.00
FINISHED SURFACE LEVEL	258.00
EXISTING SURFACE LEVEL	258.00
CHAINAGE	L=38.613m

Pipe Diameter	300 ϕ
Pipe Class	Class 2
Pipe Grade	1 in 200
Velocity (m/s)	Vf=0.968
Pipe Flow (m ³ /s)	Qa=0.017
Pipe Capacity (m ³ /s)	Qcap=0.068
DATUM RL	259.00
DEPTH TO INVERT	0.000
DESIGN INVERT LEVEL	259.00
HYDRAULIC GRADE LEVEL	259.00
FINISHED SURFACE LEVEL	259.00
EXISTING SURFACE LEVEL	259.00
CHAINAGE	L=21.962m

Pipe Diameter	225 ϕ
Pipe Class	Class 2
Pipe Grade	1 in 100
Velocity (m/s)	Vf=1.369
Pipe Flow (m ³ /s)	Qa=0.007
Pipe Capacity (m ³ /s)	Qcap=0.097
DATUM RL	258.00
DEPTH TO INVERT	0.000
DESIGN INVERT LEVEL	258.00
HYDRAULIC GRADE LEVEL	258.00
FINISHED SURFACE LEVEL	258.00
EXISTING SURFACE LEVEL	258.00
CHAINAGE	L=8.690m

Pipe Diameter	300 ϕ
Pipe Class	Class 2
Pipe Grade	1 in 175
Velocity (m/s)	Vf=1.035
Pipe Flow (m ³ /s)	Qa=0.009
Pipe Capacity (m ³ /s)	Qcap=0.073
DATUM RL	258.00
DEPTH TO INVERT	0.000
DESIGN INVERT LEVEL	258.00
HYDRAULIC GRADE LEVEL	258.00
FINISHED SURFACE LEVEL	258.00
EXISTING SURFACE LEVEL	258.00
CHAINAGE	L=3.129m

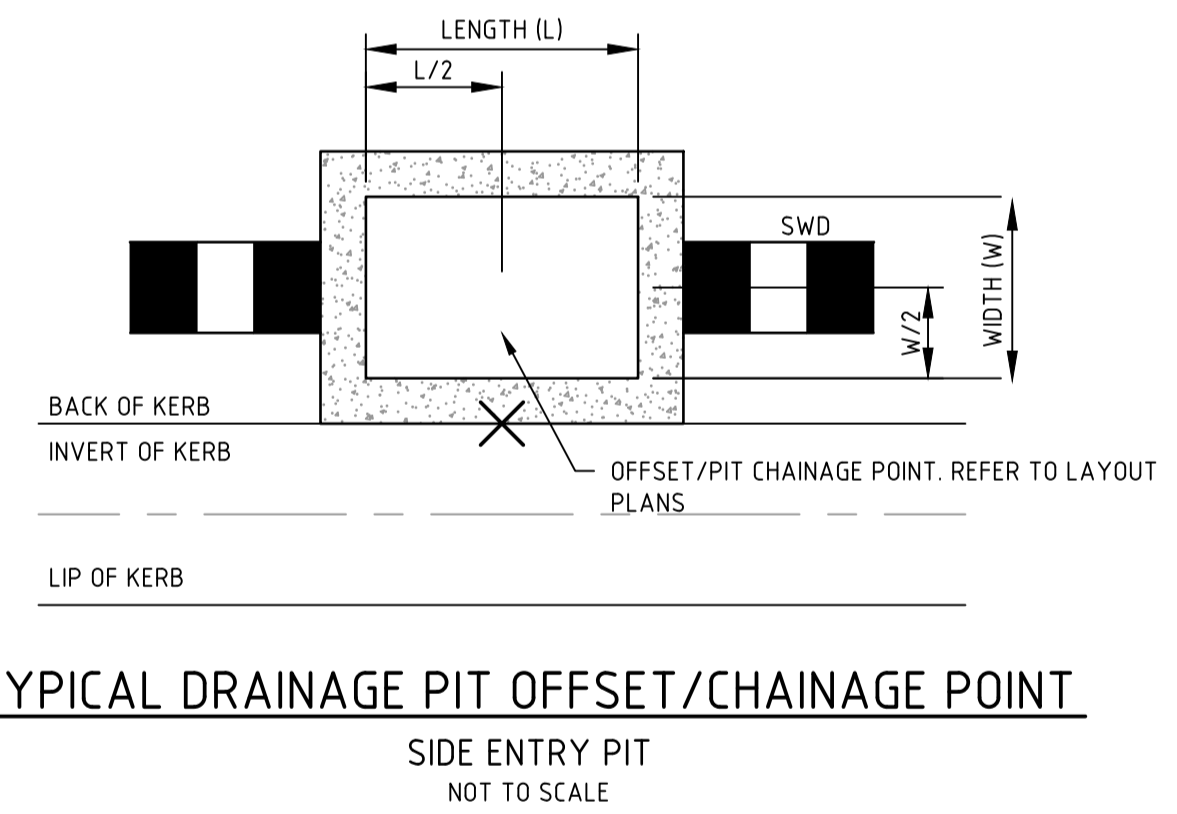
DRAINAGE PIT SCHEDULE

PIT NAME	TYPE	INTERNAL		INLET		OUTLET		PIT		REMARKS
		WIDTH	LENGTH	DIA	INV LEVEL	DIA	INV LEVEL	FS LEVEL	DEPTH	
Ex 229A	ENDPIPE					375	261.787	263.412	1.624	CONNECT TO EXISTING ENDPIPE
299	GRATED SIDE ENTRY PIT	600	900	375	262.310	375	262.260	263.899	1.638	REFER TO GAA EDCM STD DWG FIGS 601 & 605
300	GRATED SIDE ENTRY PIT	600	900	375	263.574	375	263.524	265.532	2.008	REFER TO GAA EDCM STD DWG FIGS 601 & 605
301	GRATED SIDE ENTRY PIT	600	900	375	265.019	375	264.969	266.821	1.852	REFER TO GAA EDCM STD DWG FIGS 601 & 605
302	GRATED SIDE ENTRY PIT	600	900	375	265.182	375	265.132	267.100	1.968	REFER TO GAA EDCM STD DWG FIGS 601 & 605
303	JUNCTION PIT	600	900	300	265.207					
303	JUNCTION PIT	600	900	300	265.182					
304	GRATED SIDE ENTRY PIT	600	900	225	266.442	375	265.312	268.010	2.698	REFER TO GAA EDCM STD DWG FIGS 607
304	GRATED SIDE ENTRY PIT	600	900	300	265.362					
304	GRATED SIDE ENTRY PIT	600	900	225	266.557	300	266.507	268.269	1.762	REFER TO GAA EDCM STD DWG FIGS 601 & 605
305	JUNCTION PIT	600	900	300	266.557					
305	JUNCTION PIT	600	900			225	267.315	268.791	1.476	REFER TO GAA EDCM STD DWG FIGS 605
306	GRATED SIDE ENTRY PIT	600	900			300	262.413	263.876	1.464	REFER TO GAA EDCM STD DWG FIGS 601 & 605
307	GRATED SIDE ENTRY PIT	600	900			300	263.684	265.510	1.826	REFER TO GAA EDCM STD DWG FIGS 601 & 605
308	JUNCTION PIT	600	900			225	265.933	266.855	0.922	REFER TO GAA EDCM STD DWG FIGS 605
309	JUNCTION PIT	600	900	300	265.580	300	265.530	267.460	1.93	REFER TO GAA EDCM STD DWG FIGS 605
310	GRATED SIDE ENTRY PIT	600	900			300	265.690	267.184	1.494	REFER TO GAA EDCM STD DWG FIGS 601 & 605
Ex 296A	ENDPIPE					225	266.897	268.131	1.234	CONNECT TO EXISTING ENDPIPE
312	JUNCTION PIT	600	900			225	267.012	267.834	0.822	REFER TO GAA EDCM STD DWG FIGS 605
311	GRATED SIDE ENTRY PIT	600	900			300	266.644	268.280	1.636	REFER TO GAA EDCM STD DWG FIGS 601 & 605
Ex 17	ENDPIPE					300	265.360	266.992	1.632	CONNECT TO EXISTING ENDPIPE
314	JUNCTION PIT	600	900			300	265.378	267.025	1.648	REFER TO GAA EDCM STD DWG FIGS 605
315	JUNCTION PIT	600	900			300	265.682	267.379	1.697	REFER TO GAA EDCM STD DWG FIGS 605

NOTE: PROVIDE DEFLECTION IN DRAINAGE PIT FLOOR WHEN DRAINAGE PIPE DEFLECTION THOUGHT PIT IS BETWEEN 50° TO 90° FOR PIPE DIAMETERS LESS THAN 675mm.

PROPERTY INLET NOTES

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

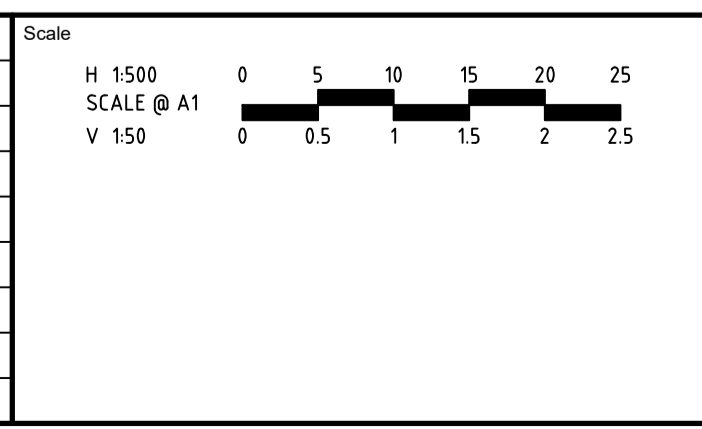


TYPICAL DRAINAGE PIT OFFSET/CHAINAGE POINT

SIDE ENTRY PIT
NOT TO SCALE

file name: 304014CR601.dwg, layout name: CR601, plotted by: Elias Perera, plot date: 28/03/2022, 10:55 AM, Sheet: 10 of 14, Sheets

Rev	Description	Approved	Date
1	AS CONSTRUCTED	R.W	24/02/22
0	ISSUED FOR CONSTRUCTION	M.T-S	01/06/21
C	PIT 315 AMENDED	M.T-S	21/05/21
B	PITS 302,303,308 - 310 AMENDED. PIT SCHEDULE AMENDED	M.T-S	26/04/21
A	PRELIMINARY ISSUE	M.T-S	16/03/21



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POTTER GEORGE
Designed
E.PERRAULT
Authorised
M.TOOMER-SMITH

TRIJENA
Checked
Date
MARCH 2021

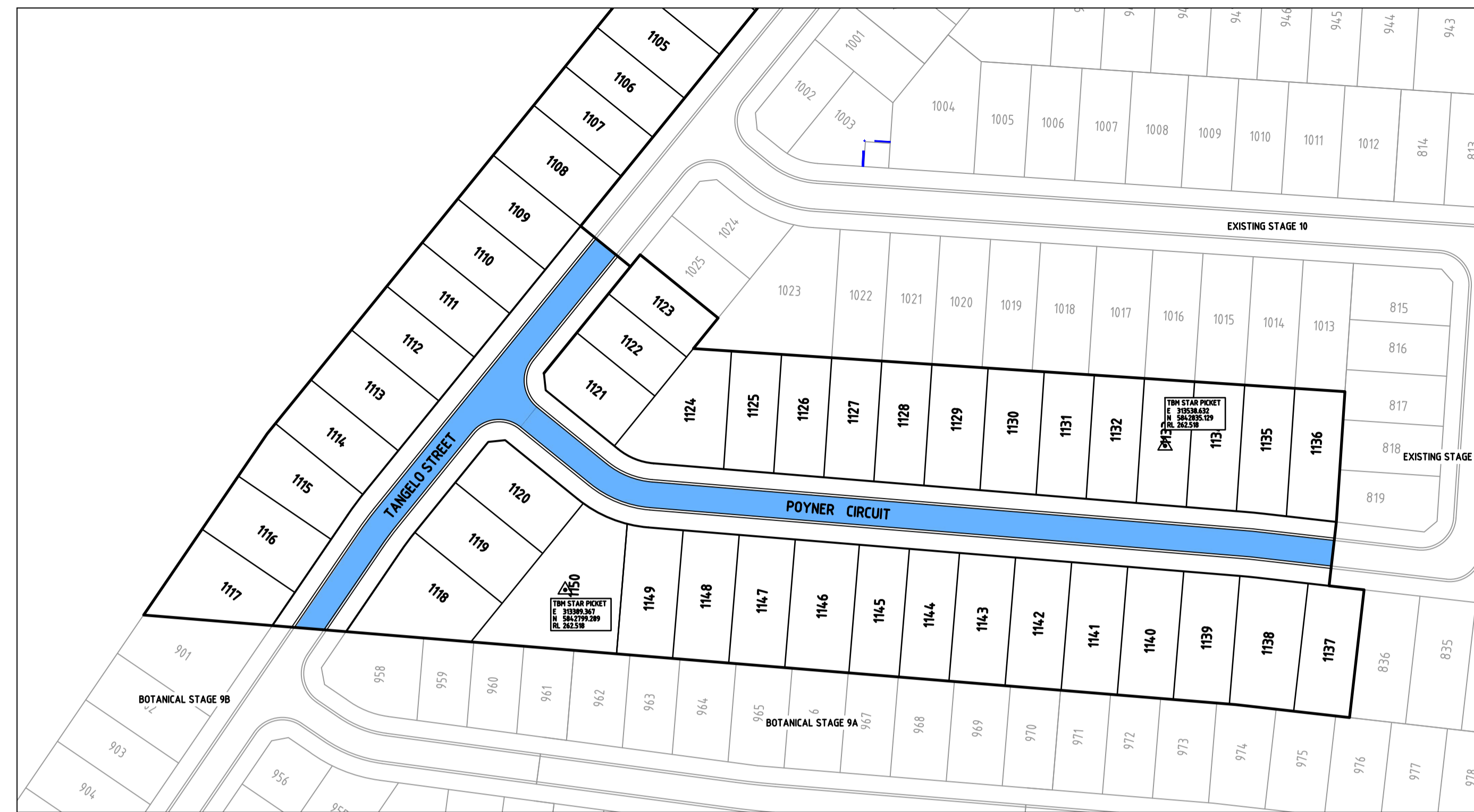
TRIJENA ESTATE
STAGE 11
ROAD AND DRAINAGE
DRAINAGE LONG SECTIONS - SHEET 2 & PIT SCHEDULE
HUME CITY COUNCIL
PGG (MICKLEHAM) PTY LTD

AS CONSTRUCTED Drg No: 304014CR601 Rev: 1

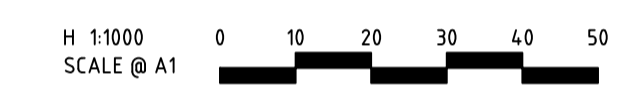
DESIGN PAVEMENT PROFILE

PAVEMENT LAYER	DESCRIPTION	DEPTH (mm)
		TYPE 1
WEARING COURSE	SIZE 10mm TYPE N CLASS 320 ASPHALT	30
	SIZE 14mm TYPE N CLASS 320 ASPHALT	
BASE COURSE	SIZE 10mm TYPE N CLASS 320 ASPHALT	30
	SIZE 14mm TYPE HP CLASS A10E ASPHALT	
SAMI PRIME	SIZE 10 SAMI SEAL CLASS S1BRF -1.8 l/m ²	Y
	BITUMINOUS PRIME OR PRIMESEAL	Y
BASE COURSE ³	SIZE 20mm CLASS 2 CRUSHED ROCK COMPACTED TO A MINIMUM DENSITY RATION 98% (MODIFIED) AS1289, 5.2.1.	130
UPPER PAVEMENT TOTAL		190
SUBBASE ²	SIZE 20mm CLASS 3 CRUSHED ROCK COMPACTED TO A MINIMUM DENSITY RATION OF 97% (MODIFIED) AS1289, 5.2.1	100
UPPER SUBBASE ²	SIZE 20mm CLASS 2 CRUSHED ROCK COMPACTED TO A MINIMUM DENSITY RATION OF 98% (MODIFIED) AS1289, 5.2.1	
LOWER SUBBASE ²	SIZE 20mm CLASS 3 CRUSHED ROCK COMPACTED TO A MINIMUM DENSITY RATION OF 97% (MODIFIED) AS1289, 5.2.1	
CAPPING LAYER ¹	TYPE A SELECT FILL MEETING THE FOLLOWING PROPERTIES: CBR ≥7%, SWELL ≤15%, PERMEABILITY ≤5 X 10 ⁻⁹ m/sec. COMPACTED TO A MINIMUM DENSITY RATIO 98% (STANDARD) AS1289, 5.1.1.	150
CONSTRUCTION LAYER ¹	TYPE A SELECT FILL MEETING THE FOLLOWING PROPERTIES: CBR ≥7%, SWELL ≤15%, PERMEABILITY ≤5 X 10 ⁻⁹ m/sec. COMPACTED TO A MINIMUM DENSITY RATIO 98% (STANDARD) AS1289, 5.1.1.	150
TOTAL PAVEMENT DEPTH		590

- NOTES:**
- SUBGRADE TO BE MATERIAL AS FOUND (CLAY, CBR ≥ 2.0%) WITH TOP 200mm TO BE COMPACTED TO MINIMUM DENSITY RATIO 98% (STANDARD) AS1289, 5.1.1.
 - CONDUITS FOR GAS, WATER, ELECTRICITY AND TELECOM SERVICES TO BE LOCATED CLEAR OF PAVEMENT AND THE SUBSURFACE DRAIN AS PER EDCM DRAWING 202.
 - ASPHALT BASE COURSE ALTERNATIVE PRODUCT OF EQUIVALENT THICKNESS AND SIZE BITUMEN CRUMB RUBBER ASPHALT WITH A PRIME OR 7mm SIZE PRIMERSEAL MAY BE USED WITH THE APPROVAL OF THE SUPERINTENDENT & COUNCIL.
 - FULL 7-DAY CURING TO TAKE PLACE PRIOR TO PLACEMENT OF SUBSEQUENT LAYERS.
 - BASE TO BE COMPACTED TO A MINIMUM DENSITY RATIO OF 98% (MODIFIED) AS1289, 5.2.1.
 - SUB-BASE (INCLUSIVE OF UPPER & LOWER) TO BE COMPACTED TO A MINIMUM DENSITY RATIO OF 96% (MODIFIED) AS1289, 5.2.1.



PAVEMENT PLAN



LEGEND



NOTE: REFER TO STANDARD DETAIL DRAWINGS FOR PAVEMENT DETAIL

ROAD NAME	STREET TYPE	PAVEMENT TYPE
POYNER CIRCUIT & TANGELO STREET	ACCESS STREET LEVEL 1	1

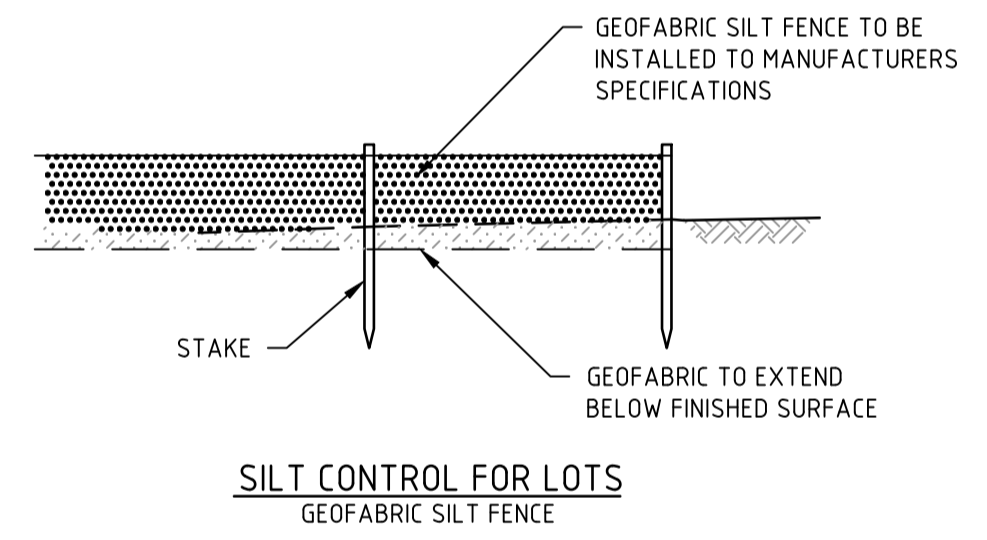
PAVEMENT DETAILS

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 "PRELIMINARY GEOTECHNICAL, ENVIRONMENTAL AND HYDROGEOLOGICAL SITE INVESTIGATION (AUGUST 2020, REPORT 1000282.v03)" THIS DOCUMENT SHOULD BE REVIEWED TO ENSURE THAT THE DESIGN HAS BEEN ACCURATELY REPRODUCED.

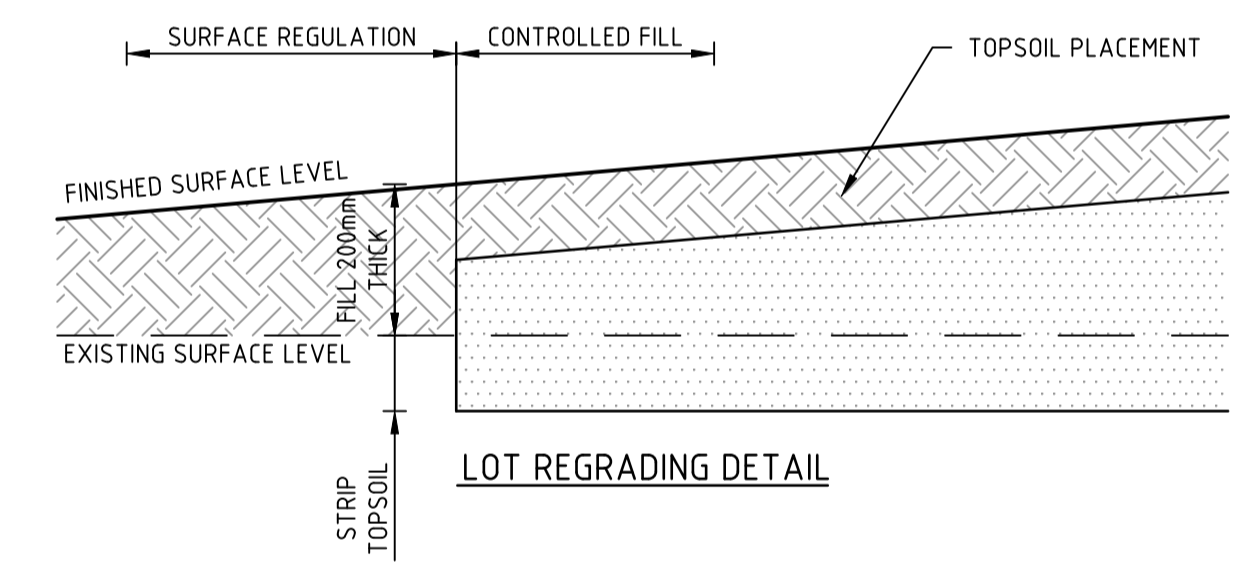
A COPY OF THE DOCUMENT WILL BE PROVIDED TO YOU ON REQUEST.

SPIIRE DOES NOT ACCEPT ANY RESPONSIBILITY FOR THE ACCURACY, ADEQUACY OR APPROPRIATENESS OF THE GEOTECHNICAL WORK AND PAVEMENT DESIGNS. ANY QUERIES IN RESPECT TO THE GEOTECHNICAL WORK AND PAVEMENT DESIGNS SHOULD BE ADDRESSED TO TONKIN + TAYLOR PTY. LTD. AND SENT TO SPIIRE.

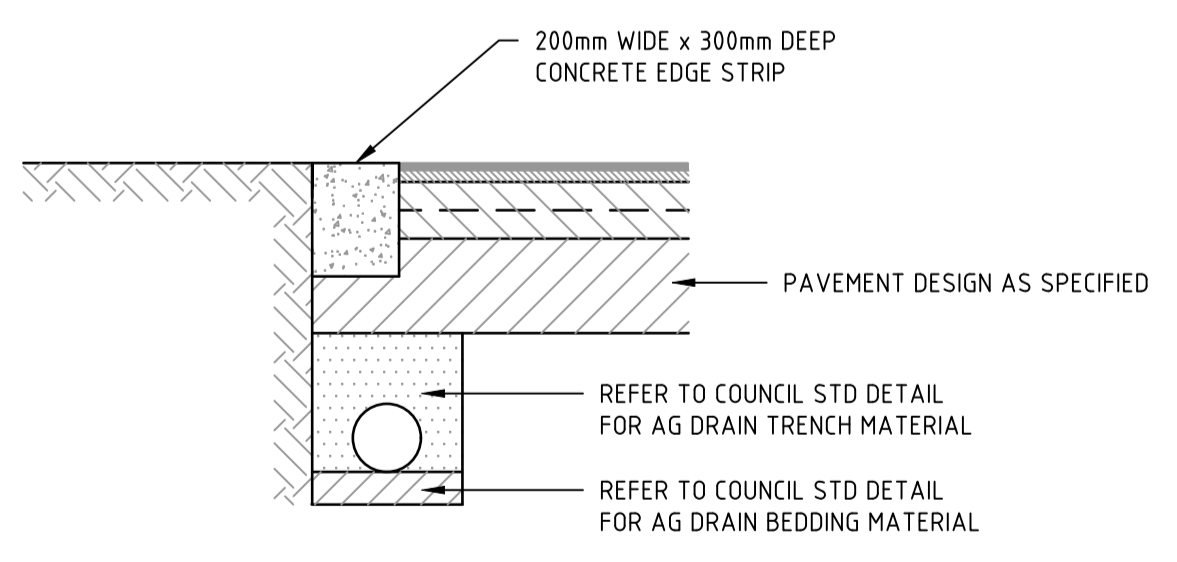


SILT CONTROL FOR LOTS
GEOFABRIC SILT FENCE

NOT TO SCALE

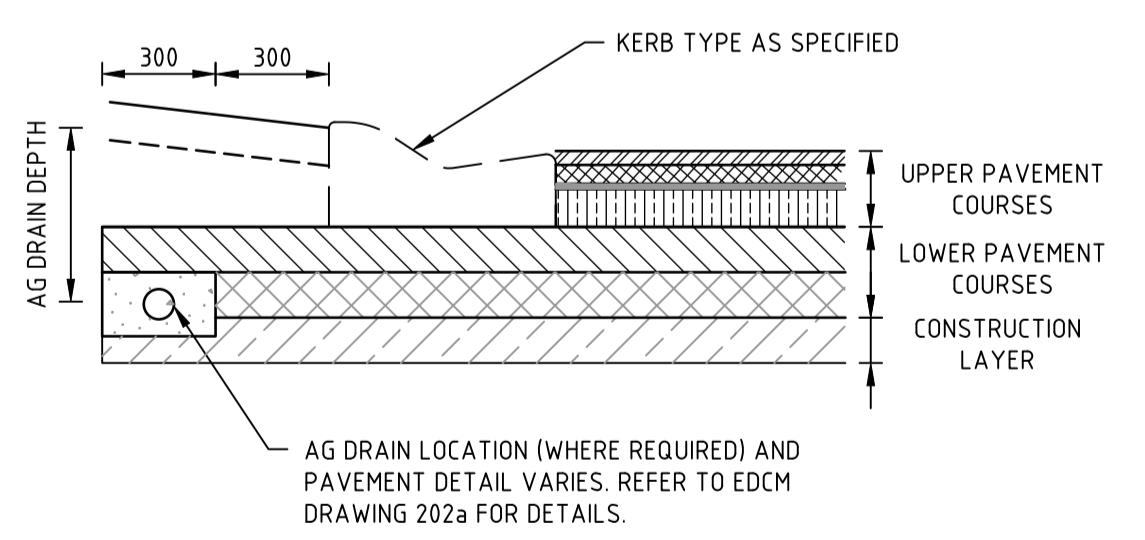


LOT REGRADING DETAIL



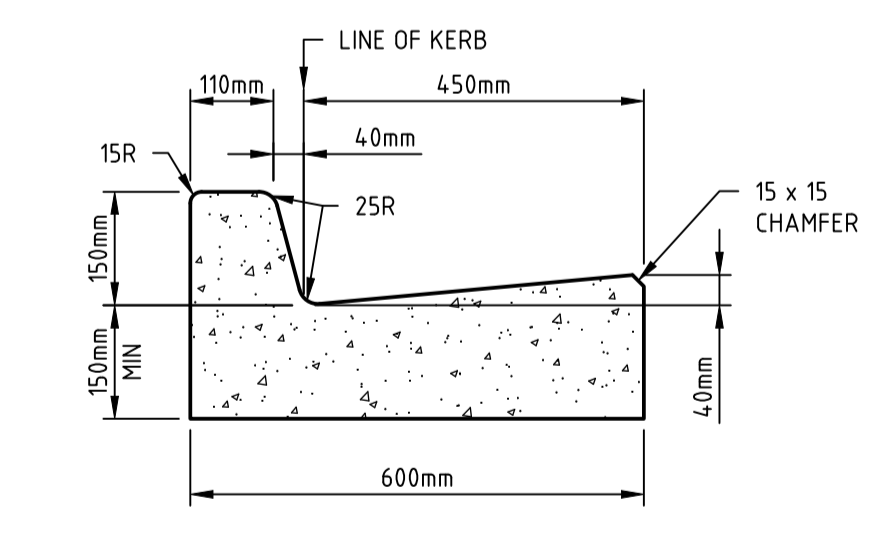
LIMIT OF WORKS CONCRETE EDGE STRIP & PAVEMENT INTERFACE DETAIL

NOT TO SCALE



TYPICAL SUBSURFACE DRAIN DETAIL

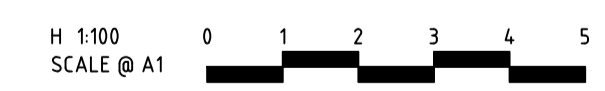
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600 B2

STANDARD KERB PROFILES

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



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

file name: 304014CR700.dwg, layout: title, cadd: CDD00, plot date: 20/03/2022 10:38 AM, sheet: 11 of 14, sheets

Rev	Description	Author	Date
1	AS CONSTRUCTED	R.W	24/02/22
0	ISSUED FOR CONSTRUCTION	M.T-S	01/06/21
B	LIMIT OF WORKS EXTENT AMENDED	M.T-S	26/04/21
A	PRELIMINARY ISSUE	M.T-S	16/03/21
Rev	Amendments	Approved	Date

Scale

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POTTER GEORGE

Designed: E.PERRAULT
Checked: M.TOOMER-SMITH

TRIJENA

Date: MARCH 2021

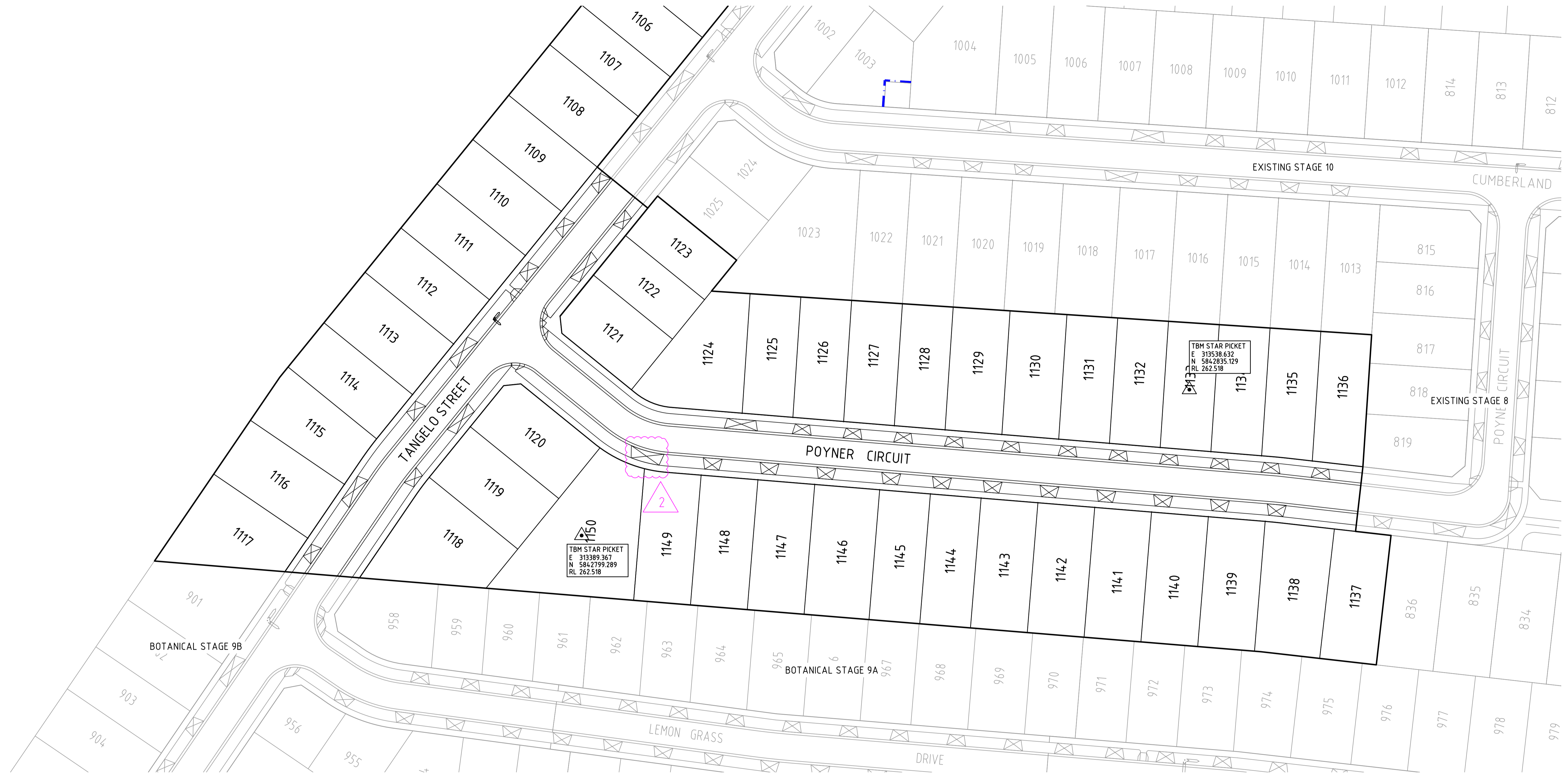
TRIJENA ESTATE STAGE 11

ROAD AND DRAINAGE PAVEMENT AND TYPICAL DETAILS - SHEET 1

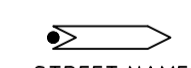
HUME CITY COUNCIL PGG (MICKLEHAM) PTY LTD

AS CONSTRUCTED 304014CR700

Rev 1



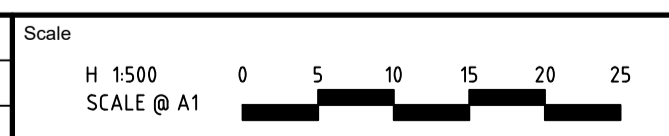
SIGNAGE SCHEDULE

#1		STREET NAME
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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.

file name: 304014CR800.dwg, location: c:\p\proj\304014\304014.dwg, plot date: 28/03/2022 10:38 AM, Sheet: 12 of 14, Sheets

Rev	Amendments	Approved	Date
2	DRIVEWAY OF LOT 1149 ADDED	R.W	28/03/22
1	AS CONSTRUCTED	R.W	24/02/22
0	ISSUED FOR CONSTRUCTION	M.T-S	01/06/21
B	LIMIT OF WORKS EXTENT AMENDED	M.T-S	26/04/21
A	PRELIMINARY ISSUE	M.T-S	16/03/21



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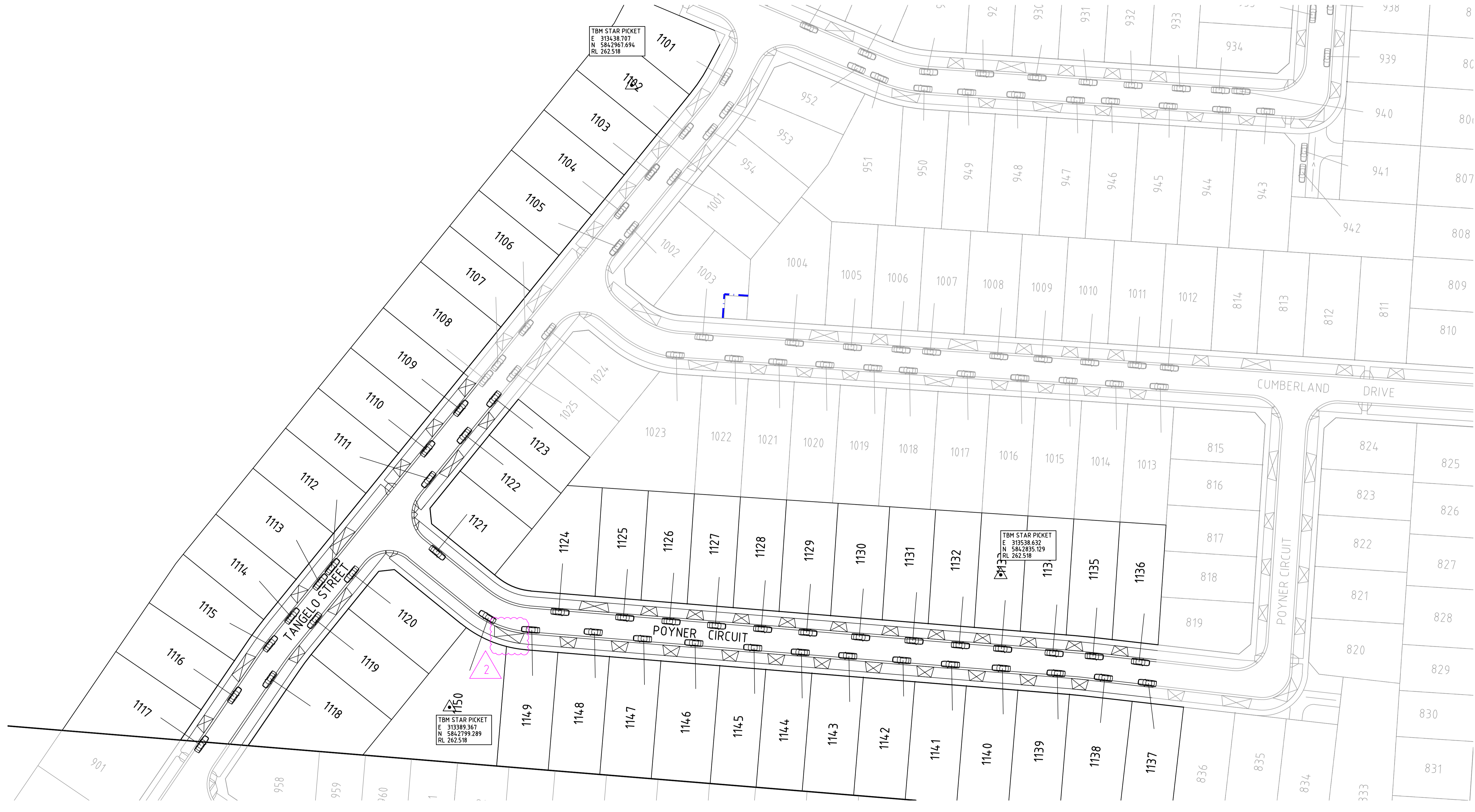
Designed
E.PERRAULT

Checked
M.TOOMER-SMITH

Date
MARCH 2021

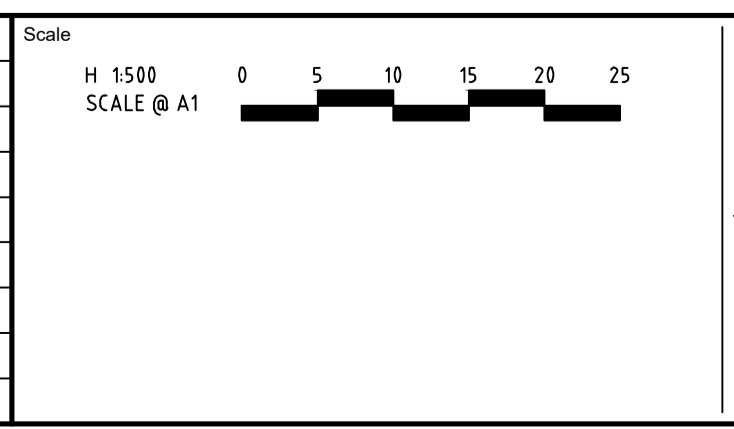
TRIJENA ESTATE
STAGE 11
ROAD AND DRAINAGE
SIGNAGE AND LINEMARKING PLAN
HUME CITY COUNCIL
PGG (MICKLEHAM) PTY LTD

AS CONSTRUCTED Drg No **304014CR800** Rev **2**



file name: 304014CR900.dwg, layout name: CR900, plotted by: Files Per Sheet, file location: G:\304014\304014.dwg, LACAD Plot date: 28/03/2022 10:32 AM, Sheet: 13 of 14, Sheets

Rev	Amendments	Approved	Date
2	DRIVEWAY OF LOT 1149 ADDED	R.W	28/03/22
1	AS CONSTRUCTED	R.W	24/02/22
0	ISSUED FOR CONSTRUCTION	M.T-S	01/06/21
B	LIMIT OF WORKS EXTENT AMENDED	M.T-S	26/04/21
A	PRELIMINARY ISSUE	M.T-S	16/03/21



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 Authorised
M.TOOMER-SMITH

Checked
 Date
MARCH 2021

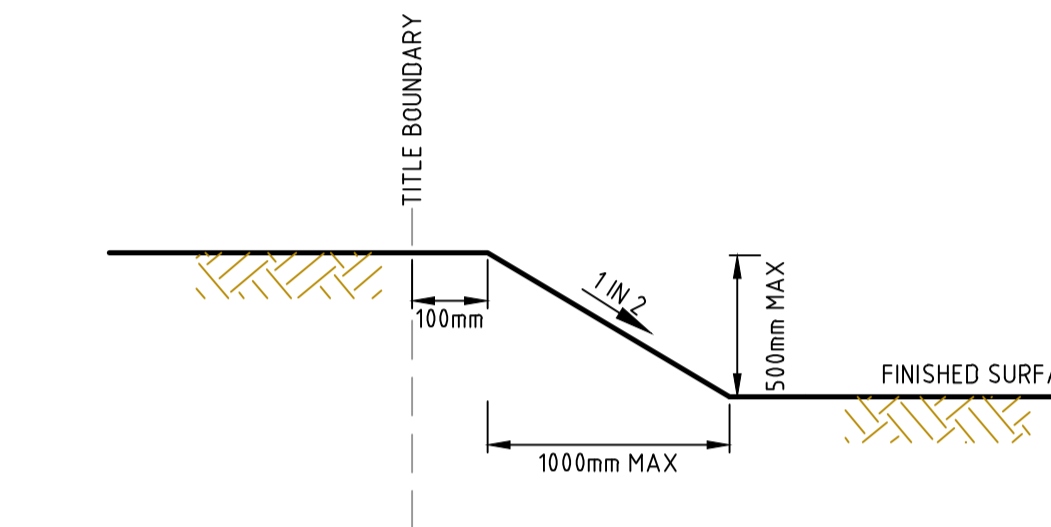
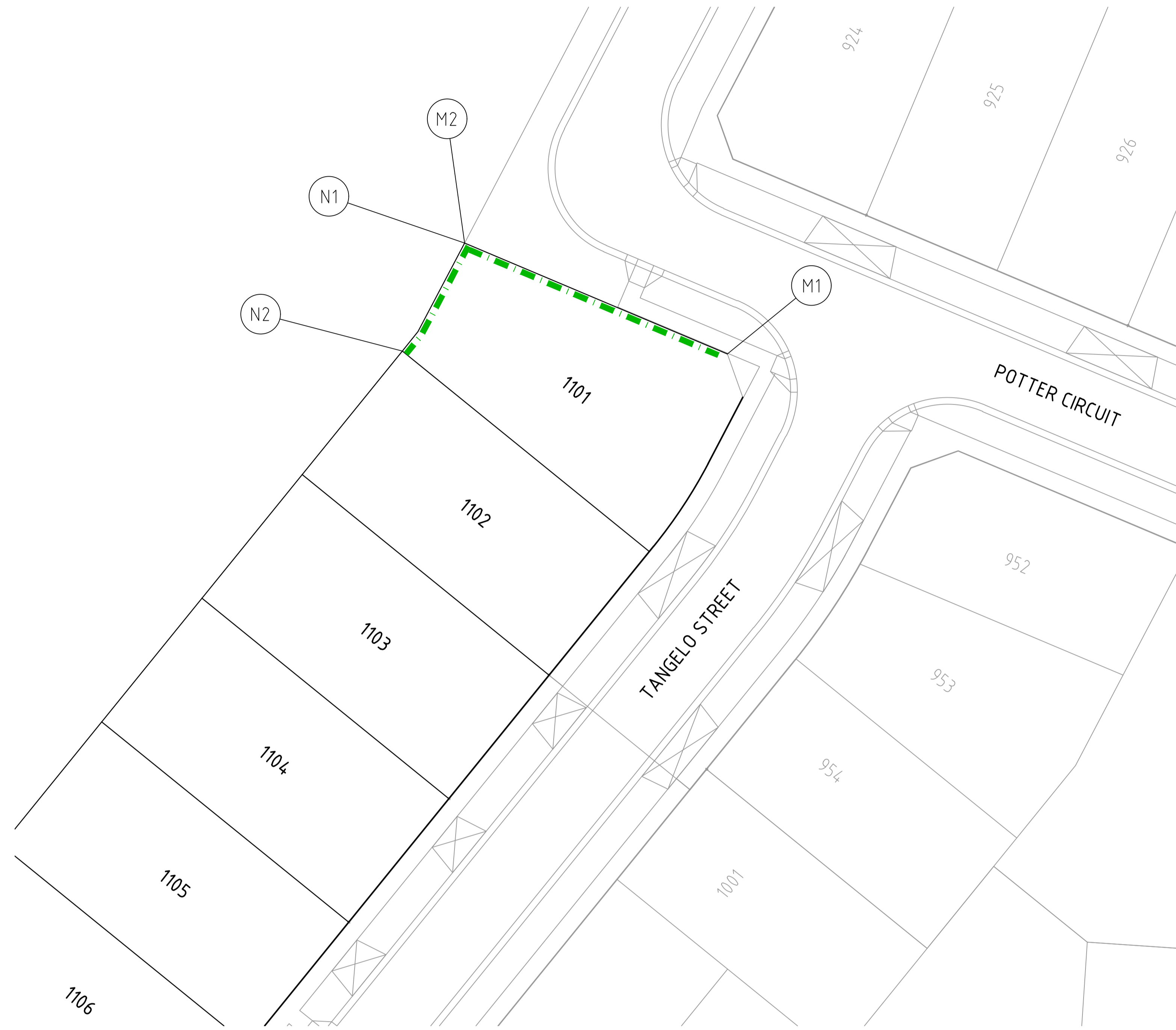
TRIJENA ESTATE
STAGE 11
 ROAD AND DRAINAGE
 MISCELLANEOUS - PARKING PLAN
 HUME CITY COUNCIL
 PGG (MICKLEHAM) PTY LTD

AS CONSTRUCTED Dwg No **304014CR900** Rev **2**

LEGEND

CONCRETE SLEEPER RETAINING WALL (NOT COUNCIL)

- NOTE:**
- REFER TO STRUCTURAL DRAWINGS FOR RETAINING WALL DETAILS
 - THE RETAINING WALL PLAN IS NOT PART OF SUBDIVISIONAL WORKS OR APPROVAL. IT IS SUBJECT TO SEPARATE APPROVAL. THIS SHEET IS SUPPLEMENTARY TO THE STRUCTURAL DRAWINGS.
 - AG DRAINS BEHIND RETAINING WALLS TO DISCHARGE INTO PROPERTY DRAINAGE CONNECTIONS AND STORMWATER DRAINAGE PITS AS PER THE RETAINING WALL STRUCTURAL DRAWINGS



BOUNDARY BATTER SLOPE TYPICAL DETAIL

BOUNDARY BATTER SLOPE UP TO 500mm

NOT TO SCALE

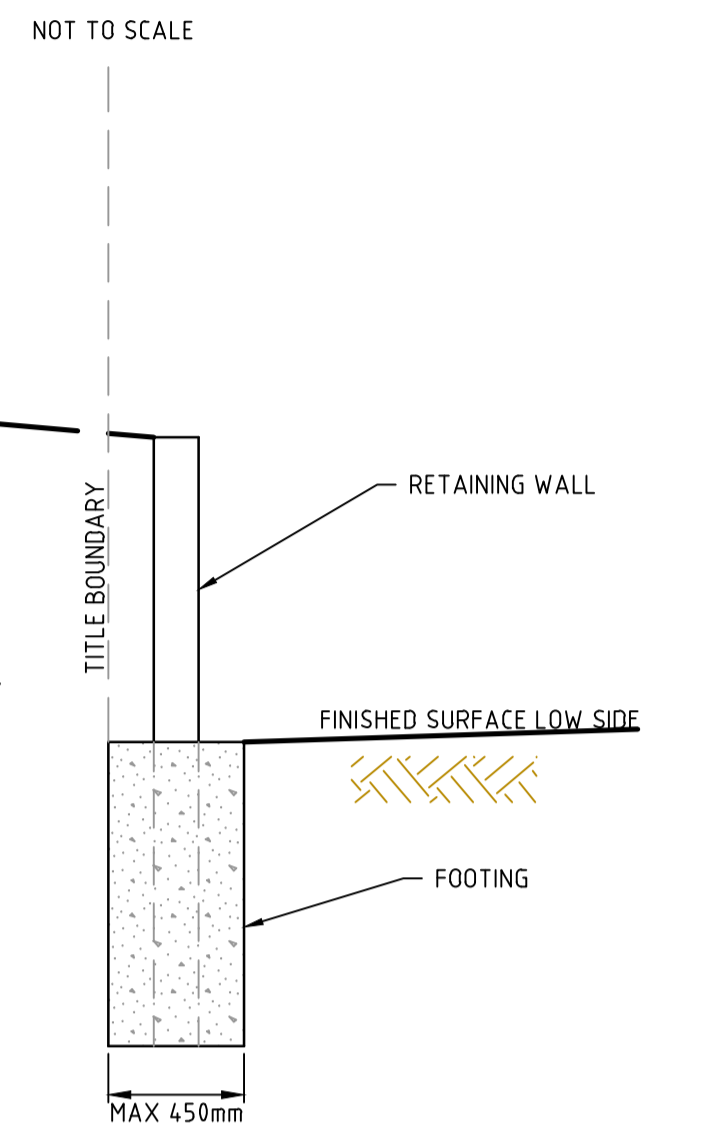
BOUNDARY BATTER (MAX. 500mm HIGH)

RETAINING WALL TYPICAL DETAIL A

FOR RETAINING WALLS GREATER THAN 500mm

NOT TO SCALE

RETAINING WALL TYPE A



H 1:250
SCALE @ A1

DATUM RL 270.0

RETAINING WALL TOP	0.000	272.335	272.335	272.458	272.801	272.910	273.164
RETAINING WALL BASE	1.001	272.349	272.458				
CHAINAGE		8.251	272.452	272.801	13.534	272.526	272.910
							25.102

RETAINING WALL M

DATUM RL 270.0

RETAINING WALL TOP	0.000	272.690	273.164	272.686	272.449	272.390
RETAINING WALL BASE	3.378	272.598				
CHAINAGE	8.808	272.450	272.449	10.991	272.390	272.390

RETAINING WALL N

H 1:500
SCALE @ A1
V 1:50

file name: 304014CR901.dwg; layout name: CR901; plotted by: Elias Perera; plot date: 28/03/2022 10:32 AM; Sheet: 14 of 14; Sheets

Rev	Amendments	Approved	Date
1	AS CONSTRUCTED	R.W	24/02/22
0	ISSUED FOR CONSTRUCTION	M.T-S	01/06/21
B	NOTES AMENDED. FENCE ON RETAINING WALL DETAIL REMOVED	M.T-S	21/05/21
A	PRELIMINARY ISSUE	M.T-S	16/03/21

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Date
MARCH 2021

TRIJENA ESTATE
STAGE 11
ROAD AND DRAINAGE
MISCELLANEOUS - RETAINING WALL DETAILS
HUME CITY COUNCIL
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