

# BROADSTEAD

## STAGE 01

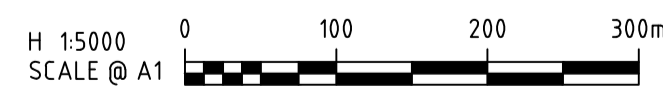
### SUBDIVISIONAL WORKS

#### JINDING DEVELOPMENTS



**LOCALITY PLAN**

MELWAYS REF: 615 J9



Sheet Number	DESCRIPTION
3265-01-001	COVER SHEET
3265-01-010	GENERAL NOTES AND DETAILS (SHEET 1 OF 2)
3265-01-011	GENERAL NOTES AND DETAILS (SHEET 2 OF 2)
3265-01-020	TYPICAL CROSS SECTIONS
3265-01-100	KEY PLAN
3265-01-101	LAYOUT PLAN (SHEET 1 OF 4)
3265-01-102	LAYOUT PLAN (SHEET 2 OF 4)
3265-01-103	LAYOUT PLAN (SHEET 3 OF 4)
3265-01-104	LAYOUT PLAN (SHEET 4 OF 4)
3265-01-150	EARTHWORKS PLAN
3265-01-151	RETAINING WALL DETAILS
3265-01-200	ROAD LONGITUDINAL SECTIONS (SHEET 1 OF 5)
3265-01-201	ROAD LONGITUDINAL SECTIONS (SHEET 2 OF 5)
3265-01-202	ROAD LONGITUDINAL SECTIONS (SHEET 3 OF 5)
3265-01-203	ROAD LONGITUDINAL SECTIONS (SHEET 4 OF 5)
3265-01-204	ROAD LONGITUDINAL SECTIONS (SHEET 5 OF 5)
3265-01-250	ROAD CROSS SECTIONS (SHEET 1 OF 10)
3265-01-251	ROAD CROSS SECTIONS (SHEET 2 OF 10)
3265-01-252	ROAD CROSS SECTIONS (SHEET 3 OF 10)
3265-01-253	ROAD CROSS SECTIONS (SHEET 4 OF 10)
3265-01-254	ROAD CROSS SECTIONS (SHEET 5 OF 10)

Sheet Number	DESCRIPTION
3265-01-255	ROAD CROSS SECTIONS (SHEET 6 OF 10)
3265-01-256	ROAD CROSS SECTIONS (SHEET 7 OF 10)
3265-01-257	ROAD CROSS SECTIONS (SHEET 8 OF 10)
3265-01-258	ROAD CROSS SECTIONS (SHEET 9 OF 10)
3265-01-259	ROAD CROSS SECTIONS (SHEET 10 OF 10)
3265-01-300	INTERSECTION DETAILS (SHEET 1 OF 5)
3265-01-301	INTERSECTION DETAILS (SHEET 2 OF 5)
3265-01-302	INTERSECTION DETAILS (SHEET 3 OF 5)
3265-01-303	INTERSECTION DETAILS (SHEET 4 OF 5)
3265-01-304	INTERSECTION DETAILS (SHEET 5 OF 5)
3265-01-350	SIGNAGE & LINEMARKING PLAN (SHEET 1 OF 2)
3265-01-351	SIGNAGE & LINEMARKING PLAN (SHEET 2 OF 2)
3265-01-400	DRAINAGE LONGITUDINAL SECTIONS (SHEET 1 OF 7)
3265-01-401	DRAINAGE LONGITUDINAL SECTIONS (SHEET 2 OF 7)
3265-01-402	DRAINAGE LONGITUDINAL SECTIONS (SHEET 3 OF 7)
3265-01-403	DRAINAGE LONGITUDINAL SECTIONS (SHEET 4 OF 7)
3265-01-404	DRAINAGE LONGITUDINAL SECTIONS (SHEET 5 OF 7)
3265-01-405	DRAINAGE LONGITUDINAL SECTIONS (SHEET 6 OF 7)
3265-01-406	DRAINAGE LONGITUDINAL SECTIONS (SHEET 7 OF 7)
3265-01-420	DRAINAGE PIT SCHEDULE (SHEET 1 OF 2)
3265-01-421	DRAINAGE PIT SCHEDULE (SHEET 2 OF 2)

TBM	Easting	Northing	Level	Description
9007	320285.268	586844.6310	391.773	PIPE
9008	319650.866	5868534.906	375.944	SPIKE
9013	319983.546	5868488.451	383.389	SPIKE



**APPROVED**  
By Basir Azizi at 8:43 am, Jul 05, 2024

C:\3265\441\1593\3265-01-001\Cover.dwg 14/07/2024 12:33 PM NINFA TABUENA

REV	DATE	DRN	CKD	APP	AMENDMENT
B	04.04.24	NT		<i>[Signature]</i>	SHEET LIST TABLE UPDATED & TBM's ARE SHOWN ON PLAN
A	07.02.24	NT	KCL	B. J-MONCK	INITIAL ISSUE

<p><b>COPYRIGHT</b> The concepts and information contained in this document are the Copyright of Cossill &amp; Webley Consulting Engineers. Use or copying of the document in whole or part without the written permission of Cossill &amp; Webley Consulting Engineers constitutes an infringement of copyright.</p> <p>This plan is not to be used for construction unless issued as revision 0 or higher</p>		<p>Street Address Level 20, 350 St Kilda Road W cossillwebley.com.au Melbourne VIC 3004 T (03) 8548 1560 E Melbourne.Reception@cosweb.com.au</p>	<p>CLIENT <b>JINDING</b></p> <p>APPROVED: PE 0005549 <i>[Signature]</i></p>	<p>PROJECT BROADSTEAD - STAGE 01</p> <p>TITLE COVER SHEET</p> <p>MUNICIPALITY MITCHELL SHIRE COUNCIL</p>
---	--	--	---	--

<p>DESIGNED A. MAY</p> <p>SCALE 1:5000 @ A1</p>	<p>PP No. PLP430/22</p> <p>DRAWING No. 3265-01-001</p>	<p>REVISION B</p>
---	--	-----------------------

<p>ORIGINAL SIZE A1</p>
-----------------------------

**NOTES:**

**GENERAL**

- ALL LEVELS SHOWN ARE TO AUSTRALIAN HEIGHT DATUM (A.H.D.) AND ALL CO-ORDINATES ARE TO MAP GRID AUSTRALIA (MGA) ZONE 55.
- THE PLAN OF SUBDIVISION PREPARED BY MNG WILL BE PEGGED BY THE SURVEYOR. FOR SPECIFIC LOT DIMENSIONS REFER TO PLAN OF SUBDIVISION NO: PS902811H LATEST VERSION.
- ALL ROAD AND DRAINAGE WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH AS2124-1992, THE ROAD & DRAINAGE SPECIFICATION, IDM STANDARD DRAWINGS AND TO THE SATISFACTION OF COUNCIL.
- THE CONTRACTOR IS TO CHECK BENCH MARKS PRIOR TO THE COMMENCEMENT OF WORKS AND IMMEDIATELY REPORT ANY DISCREPANCIES. TBM'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 TBM'S THEREAFTER.
- FILL AREAS TO BE STRIPPED OF TOPSOIL, FILLED TO WITHIN 100mm OF REQUIRED LEVEL AND TOPSOIL REPLACED TO OBTAIN FINAL FILL LEVELS AS SHOWN ON PLANS. FILLING UNDER LEVEL 1 SUPERVISION TO BE CLEAN CLAY COMPACTED TO A DRY DENSITY NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY VALUE DETERMINED BY THE STANDARD COMPACTION TEST IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1289.5.1.1-1993. TESTING TO COMPLY WITH AS1289.0-2000.
- EXISTING DAMS ARE TO BE BREACHED, DRAINED, DE-SLEGGED 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. FILL IS TO BE PLACED AND COMPACTED AS SPECIFIED AND TO LEVEL 1 SUPERVISION. THE FILL SHALL BE APPROVED SELECTED ON SITE MATERIAL OR APPROVED IMPORTED MATERIAL. THE FILL SHALL BE PLACED UNDER CONTROLLED MOISTURE CONDITIONS OF BETWEEN 85% AND 125% OF OPTIMUM AND APPROPRIATE TO THE TYPE OF COMPACTION EQUIPMENT USED. THE FILL SHALL BE UNIFORMLY COMPACTED IN LAYERS NOT EXCEEDING 300mm DEPTH TO A MINIMUM OF 95% STANDARD DRY DENSITY.
- BEFORE COMMENCING WORK ON TRENCHES IN EXCESS OF 1.5m DEEP, NOTICE OF SUCH PROPOSAL IS TO BE SENT TO THE CHIEF MINING INSPECTOR OCCUPATIONAL HEALTH & SAFETY AUTHORITY IN ACCORDANCE WITH THE WORK SAFE REGULATIONS - "SAFETY PRECAUTIONS IN TRENCHING OPERATIONS" CODE OF PRACTICE No.8 1988. A FOREMAN QUALIFIED AS A MINES MANAGER MUST BE IN ATTENDANCE AT ALL TIMES DURING SUCH EXCAVATIONS.
- THE CONTRACTOR SHALL COMPLY WITH THE OCCUPATIONAL HEALTH AND SAFETY ACT 2004 AND ASSOCIATED CODE OF PRACTICE.
- PRIOR TO WORKS BEING PLACED ON MAINTENANCE ALL AREAS OF THE SUBDIVISION EXPOSED BY DE-VEGETATION INCLUDING NATURE STRIPS, LOTS AND RESERVES ARE TO BE HYDRO-SEEDED UNLESS OTHERWISE SPECIFIED.
- ALL CONCRETE TO BE 32MPa FOR PITS & 25MPa IN OTHER APPLICATIONS UNLESS SPECIFIED OTHERWISE. ALL CONCRETE OVER 125mm THICK TO BE VIBRATED USING MECHANICAL VIBRATORS.
- FOR CONCRETE ROAD PAVEMENTS, CONCRETE JOINTING DETAILS ARE TO BE PROVIDED IN ACCORDANCE WITH "CONCRETE PAVEMENT DESIGN FOR RESIDENTIAL STREETS" (1997-CCAA).
- ALL CHAINAGES REFER TO ROAD RESERVE CENTRELINES EXCEPT, IN COURT HEADS AND KERB RETURNS CHAINAGES REFER TO LIP OF KERB.
- THE CONTRACTOR IS REQUIRED TO CONFINE CONSTRUCTION VEHICLES TO THE ROAD RESERVE AND EASEMENTS. ANY DAMAGE CAUSED TO ALLOTMENTS MUST BE MADE GOOD TO A STANDARD ACCEPTABLE BY THE SUPERINTENDENT.
- ANY BUILDINGS, TROUGHS, FENCES, DEBRIS AND OTHER STRUCTURES ON SITE ARE TO BE REMOVED AS DIRECTED BY THE ENGINEER OR UNLESS OTHERWISE SPECIFIED. THE COST OF REMOVAL IS TO BE INCLUDED IN THE OVERALL EARTHWORKS FIGURE UNLESS A SPECIFIC ITEM FOR REMOVAL IS DENOTED IN THE SCHEDULE.
- NO TOPSOIL IS TO BE REMOVED FROM SITE WITHOUT THE CONSENT OF THE SUPERINTENDENT.
- FOR PAVEMENT RECOMMENDATIONS & SOIL CONDITIONS REFER TO GEOTECHNICAL REPORT.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN SITE GRADING AND DRAINAGE AND TO PROTECT AND MAINTAIN SUBGRADES IN A SUITABLE CONDITION IN ORDER TO ACHIEVE THE COMPACTIONS SPECIFIED. SHOULD SUBGRADES BECOME SATURATED ANY UNSUITABLE MATERIAL IS TO BE REMOVED AND MADE GOOD WITH TYPE B GENERAL FILL AT THE CONTRACTORS COST.
- IN NEW LANDSCAPE AREAS ALL REDUNDANT PAVEMENT MATERIAL SHALL BE REMOVED & REINSTATED WITH CLEAN FILL TO FINISHED SURFACE LEVEL. UNLESS NOTED OTHERWISE ON THE LANDSCAPE PLANS REINSTATEMENT OF A MINIMUM 150mm OF CLEAN TOPSOIL SHALL BE PROVIDED TO ALL NATURE STRIP AND RESERVE.
- ALL EXISTING TREES IN THE VICINITY OF THE TRAFFICABLE AREAS THAT ARE TO BE RETAINED SHALL BE PRUNED, ROOTS CUT AND SEALED WHERE THEY EXTEND BENEATH NEW WORKS, BY APPROPRIATELY QUALIFIED PERSONNEL. TREES TO BE REMOVED SHALL HAVE ALL ROOTS GRUBBED OUT AND BE MADE GOOD WITH COMPACTED FILL.
- PRIOR TO COMPLETION, THE CONTRACTOR SHALL ENSURE THE SITE OF WORKS IS TIDIED & OBTAIN A CLEARANCE FROM THE SUPERINTENDENT.
- CONDITION OF EXISTING PAVEMENT SURROUNDING THE DEVELOPMENT TO BE RECORDED. ANY DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES TO BE REPAIRED TO COUNCIL'S SATISFACTION.
- COUNCIL TO BE NOTIFIED (5) CLEAR DAYS PRIOR TO COMMENCEMENT OF WORKS. A PRE-COMMENCEMENT SESSION MUST BE CONVENED WITH COUNCIL, SUPERINTENDENT AND THE CONTRACTOR.
- HOLD POINTS SHALL COMPLY WITH MITCHELL SHIRE REQUIREMENTS INCLUDING PROVISIONS OF CCTV OF ALL ROAD DRAINAGE, PRIOR TO ANY BITUMINOUS SEAL OR CONCRETE PAVEMENTS.
- ANY REAR OR SIDE EASEMENT DRAINAGE MUST ADOPT THE IDM SDS20 STANDARD.

**ROADWORKS**

- FILL BATTERS SHALL GENERALLY BE 1 IN 6 AND CUT BATTERS 1 IN 6 MAXIMUM CUT BATTERS ARE TO BE STABILISED TO THE SATISFACTION OF THE ENGINEER.
- FOOTPATH EXPANSION JOINTS SHALL BE PLACED ON EITHER SIDE OF DRIVEWAY CROSSINGS. EACH JOINT IS TO BE DOWELLED WITH 3x10mm DIAMETER DOWELS WHICH ARE TO HAVE A GREASED SLEEVE OVER ONE END TO PERMIT SLIP. JOINTS ARE TO BE FILLED WITH AN APPROVED COMPOSITE MATERIAL OR PLASTIC FILLER.
- ALL LINE MARKING IS TO BE APPLIED USING LONG LIFE THERMOPLASTIC PAINT IN ACCORDANCE WITH AUSTRALIAN STANDARD AS 1742-1 AND AS 1742-2 AND COUNCIL REQUIREMENTS UNLESS OTHERWISE SPECIFIED. RRPMS ARE TO BE INSTALLED IN ACCORDANCE WITH VICROADS AND/OR COUNCIL SPECIFICATIONS.
- ALL TEMPORARY WARNING SIGNS DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH AS1742-3.
- CONTRACTOR TO CONFIRM STREET NAME WITH COUNCIL/SUPERINTENDENT PRIOR TO MANUFACTURE OF STREET SIGNS.
- ANY WORKS WITHIN ROADWAYS SHALL SATISFY COUNCILS REQUIREMENTS FOR OCCUPANCY OF ROAD RESERVES.
- WHERE PAVEMENT (INCLUDING FOOTPATHS AND VEHICLE CROSSINGS) IS CONSTRUCTED ON FILLING, FILL MATERIAL IS TO BE APPROVED BY THE SUPERINTENDENT AND COUNCIL, AND CONSTRUCTED IN ACCORDANCE WITH AS1289.0-2000.
- WHEN PAVEMENT EXCAVATION IS IN ROCK ALL LOOSE MATERIAL (INCLUDING ROCKS AND CLAY) MUST BE REMOVED. THE SUBGRADE MUST THEN BE REGULATED WITH COUNCIL APPROVED MATERIAL.
- WHEN WORKS ARE ON AN EXISTING ROAD THE CONTRACTOR SHALL OBTAIN ALL NECESSARY ROAD OPENING PERMITS AND AUTHORITY APPROVALS PRIOR TO COMMENCING WORKS.

**DRAINAGE**

- DRAINAGE PITS ARE TO BE SET OUT FROM OFFSETS AND CO-ORDINATES.
  - PITS AT TANGENT POINTS OF KERB RADIALS ARE TO BE LOCATED IMMEDIATELY ADJACENT TO T.P.
  - ALL DRAINS WITHIN ROAD RESERVE SHALL BE BACKFILLED WITH 20mm FCR CLASS 3. DRAINS UNDER ROAD PAVEMENT TO BE BACKFILLED WITH 20mm FCR CLASS 2 AS SHOWN ON THE DRAWINGS. COMPACTION SHALL BE IN ACCORDANCE WITH SPECIFICATION.
  - ALL DRAINAGE PIPE CLASSES ARE TO BE AS PER THE DRAINAGE LONGITUDINAL SECTIONS.
  - ALL PIPES ARE TO BE RUBBER RING JOINTED REINFORCED CONCRETE UNLESS OTHERWISE NOTED.
  - 100mm DIAMETER CORRUGATED AGRICULTURAL PIPE DRAINS (AG'S) ARE TO BE PLACED BEHIND ALL KERB AND CHANNEL, EDGE STRIP AND OTHER LOCATIONS WHERE SHOWN AND/OR DIRECTED BY THE ENGINEER.
  - PROPERTY INLETS WITHIN DRAINAGE EASEMENT ARE TO BE PLACED 1.00m FROM LOW CORNERS OF ALLOTMENTS UNLESS OTHERWISE SPECIFIED.
  - GRADED COLLECTION PITS ARE TO BE PROVIDED FOR PROPERTY CONNECTIONS TO EASEMENT DRAINS ON THE LOW SIDE OF LOTS IN ACCORDANCE WITH IDM SDS20.
  - 100mm DIA HOUSE DRAINS IN ROADS TO BE PLACED 5.5m FROM LOW CORNER OF ALLOTMENT UNLESS OTHERWISE SPECIFIED.
  - PIPES LAID AT MINIMUM DEPTH ARE TO BE PROTECTED DURING CONSTRUCTION USING ADDITIONAL COVER OR A HIGHER CLASS PIPE IS TO BE INSTALLED.
- ENVIRONMENTAL CONTROL MEASURES**
- NO NATIVE VEGETATION SHALL BE DESTROYED, FELLED, LOPPED RING BARKED OR UPROOTED WITHOUT THE CONSENT OF THE RESPONSIBLE AUTHORITY.
  - ALL TREES ARE TO BE PROTECTED WITH APPROPRIATE EXCLUSION FENCING PRIOR TO COMMENCEMENT OF ANY WORKS UNLESS OTHERWISE SPECIFIED.
  - PERMISSION IN WRITING IS REQUIRED FROM THE SUPERINTENDENT PRIOR TO THE REMOVAL OF ANY TREE EVEN IF MARKED FOR REMOVAL ON PLANS.
  - PRIOR TO REMOVAL, TREES ARE TO BE MARKED BY CONTRACTOR AND APPROVED BY COUNCIL OR SUPERINTENDENT.
  - CONTRACTOR TO PROVIDE ADEQUATE PROTECTION AGAINST SILT RUNOFF FROM THE SITE AS PART OF THE ENVIRONMENTAL MANAGEMENT PLAN (EMP).

**SERVICES**

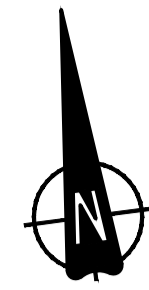
- ALL GAS AND WATER CONDUITS ARE TO BE INSPECTED BY THE SUPERVISING ENGINEER PRIOR TO BACKFILLING. CONDUITS TO EXTEND ON BOTH SIDES WHERE APPLICABLE TO 500mm BEYOND THE BUILDING LINE. ALL TRENCHES SHALL BE BACKFILLED WITH 20mm CLASS "2" FCR. GAS AND WATER CONDUITS ARE TO BE LOCATED 14m FROM THE TITLE BOUNDARY OPPOSITE THE CROSSOVER OR 5.0m FROM THE TITLE BOUNDARY ADJACENT TO THE CROSSOVER, UNLESS OTHERWISE NOTED.
- ELECTRICAL AND TELECOMMUNICATIONS CONDUITS TO EXTEND 500mm BEYOND BOTH SIDES OF KERB.
- CONDUITS FOR TELECOMMUNICATIONS, GAS AND WATER SERVICES ARE TO BE POSITIONED TO AN APPROVED LOCATION UNLESS OTHERWISE NOTED AND ARE TO BE PLACED AT RIGHT ANGLES TO THE KERB AND SERVICE ALIGNMENT. TELECOMMUNICATIONS, GAS AND WATER CONDUITS ARE TO BE 50mm DIA PVC PIPES, CLASS 12. CONDUITS UNDER FOOTPATHS TO BE REFERENCED ON BACK OF PATH.
- SERVICE TRENCHES NEAR FOOTPATH SHALL BE BACKFILLED WITH APPROVED GRANULAR MATERIAL.
- ANY EXCAVATION FOR SERVICES MUST BE CONTAINED WITHIN EASEMENTS OR ROAD RESERVES. ANY EXCAVATION OUTSIDE THESE LIMITS MUST BE BACKFILLED WITH CLASS 3 OR CLASS 2 FCR AT 95% MODIFIED COMPACTION UNLESS NOTED OTHERWISE.
- BACKFILL MATERIAL FOR CONDUITS UNDER ROADS SHALL BE CLASS 3 OR CLASS 2 FCR (20 MM NOMINAL SIZE) UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- ALL SERVICE TRENCHES UNDER ROADS, DRIVEWAYS, FOOTPATHS AND PARKING BAYS TO BE BACKFILLED WITH COMPACTED CLASS 3 OR CLASS 2 CRUSHED ROCK. SERVICE TRENCHES LESS THAN 750mm BEHIND K&CH AND PARKING BAYS ARE ALSO TO BE BACKFILLED WITH COMPACTED CLASS 2 CRUSHED ROCK.
- EXISTING SERVICE LOCATIONS SHOWN HAVE BEEN OBTAINED FROM DIAL BEFORE YOU DIG RECORDS AND/OR SITE PLANS. EXISTING SERVICES SHOWN ON THESE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT. PRIOR TO THE COMMENCEMENT OF WORKS, THE CONTRACTOR IS TO LOCATE ALL EXISTING SERVICES IN THE VICINITY OF PROPOSED WORKS AND UNDERTAKE ANY ON SITE INSPECTION WITH SERVICE AUTHORITIES AS NECESSARY. ANY DAMAGE CAUSED TO SERVICE AUTHORITIES ASSETS WHETHER SHOWN ON CONSTRUCTION PLANS OR NOT IS TO BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL EXISTING PITS AND SERVICE FITTINGS THAT ARE TO REMAIN WITHIN THE PAVEMENT AREAS SHALL BE REBUILT TO MATCH PROPOSED LEVELS AND WHERE APPLICABLE FITTED WITHIN AN APPROPRIATE HEAVY DUTY, AUTHORITY APPROVED COVER. ELSEWHERE EXISTING SERVICES SHALL BE ADJUSTED TO SUIT NEAR ADJACENT LEVELS. THE RELEVANT AUTHORITY IS TO BE NOTIFIED PRIOR TO ANY WORKS ON THEIR ASSETS AND SERVICES ARE TO BE ADJUSTED TO THE RELEVANT AUTHORITY REQUIREMENTS.

**CONSTRUCTION MANAGEMENT**

- CONTRACTOR SHALL BE REQUIRED PRIOR TO COMMENCING WORKS TO SUBMIT THE FOLLOWING DOCUMENTS:
  - PROJECT CONSTRUCTION PLAN
  - ENVIRONMENTAL MANAGEMENT PLAN
  - OH&S RISK ASSESSMENT
  - SITE MANAGEMENT PLAN
  - PROGRAM OF WORKS
  - COMPACTION TEST PLAN FOR ALL PAVEMENTS, FILLED AREAS AND DRAINAGE WORKS
  - AND ALL OTHER RELEVANT INSPECTION AND TEST PLANS

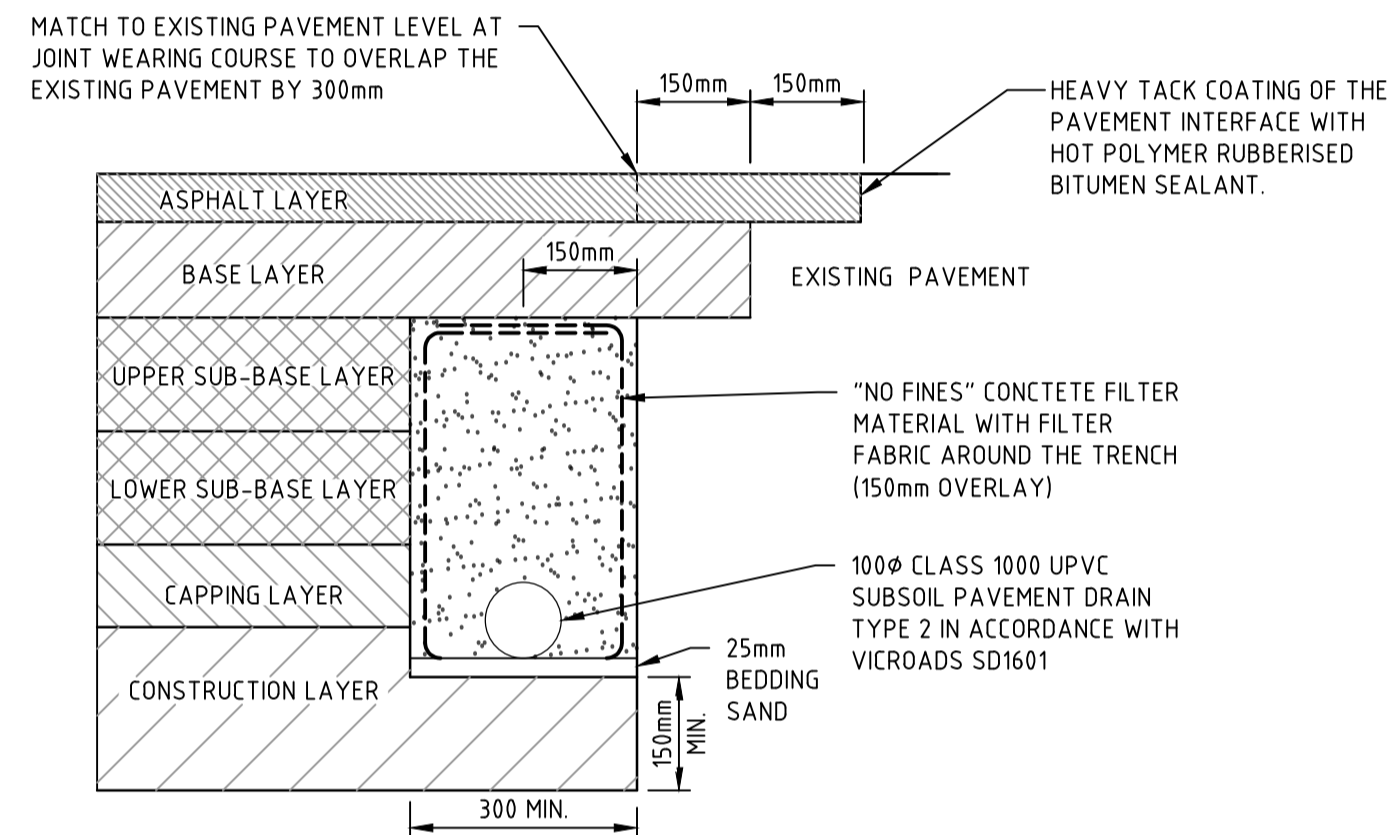
**PAVEMENT DETAILS**

- THE PAVEMENT DESIGNS SHOWN HAVE BEEN DESIGNED & PROVIDED BY SITE GEOTECHNICAL WHO ARE RESPONSIBLE FOR THE GEOTECHNICAL WORK ON THIS PROJECT.
- COSSILL & WEBLEY IS NOT RESPONSIBLE FOR THE WORK OF SITE GEOTECHNICAL.
- ALL PAVEMENT DESIGNS ARE EXTRACTS FROM THE SITE GEOTECHNICAL REPORT "SITE GEOTECH R9096-1-R1".
- THIS DOCUMENT SHOULD BE REVIEWED TO ENSURE THAT THE DESIGN HAS BEEN ACCURATELY REPRODUCED.
- COSSILL & WEBLEY DOES NOT ACCEPT ANY RESPONSIBILITY FOR THE ACCURACY, ADEQUACY OR APPROPRIATENESS OF THE GEOTECHNICAL WORK & / OR PAVEMENT DESIGNS.
- ANY QUERIES SHOULD BE ADDRESSED TO SITE GEOTECHNICAL AND SENT TO COSSILL & WEBLEY.



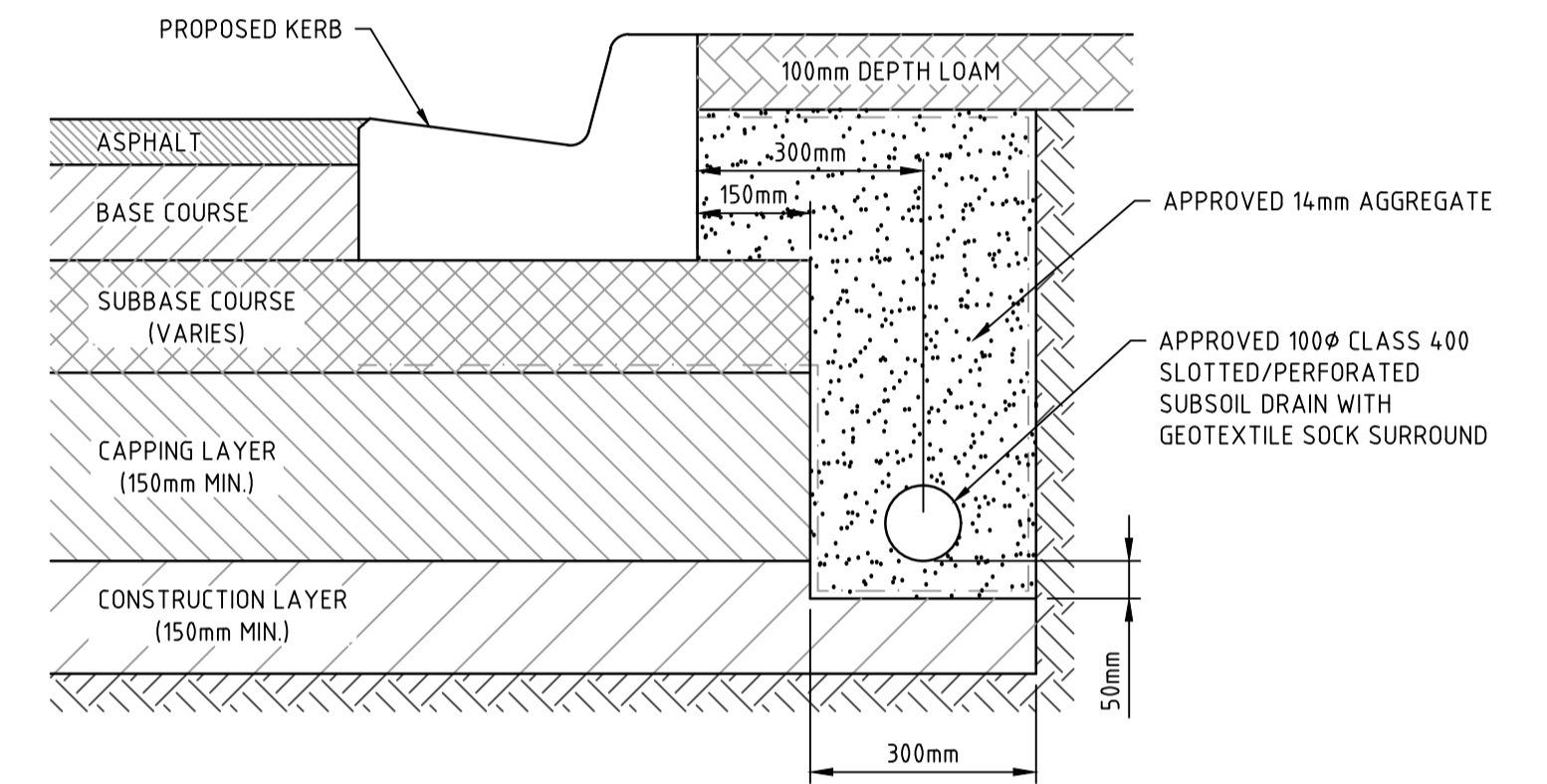
**PAVEMENT PLAN**

NOT TO SCALE



**PAVEMENT JOINT DETAIL (EXPANSIVE SUBGRADE)**

NOT TO SCALE



**SUBSURFACE DRAIN (EXPANSIVE SOILS)**

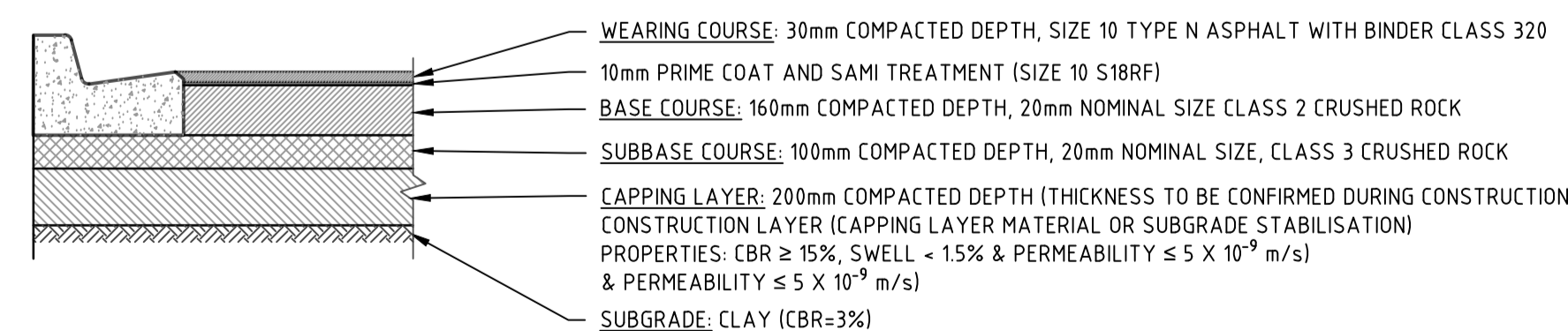
NOT TO SCALE

REFER STD DWG IDM SD145



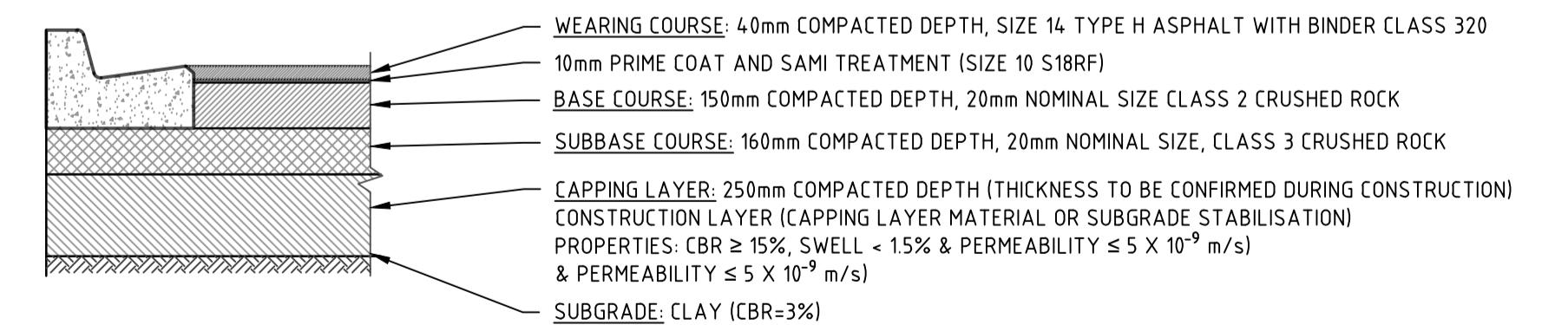
**PAVEMENT PROFILE (2500-5000 VPD)**

EVERGREEN BOULEVARD  
TOTAL DEPTH = 600mm



**PAVEMENT PROFILE (500-1000 VPD)**

ORCHID GROVE, GROWER STREET & TANNERY WAY  
TOTAL DEPTH = 490mm



**PAVEMENT PROFILE (1000-2500 VPD)**

BURSARIA TERRACE  
TOTAL DEPTH = 600mm

C:\3265\4414\5593\3265-01\_REV1\Design\Road\3265-01-010 NOTES.dwg 12/08/2024 1:54 PM ADMIN.MAY

C	28.06.24	AM			PAVEMENT PROFILES UPDATED
B	04.04.24	NT	KCL	B. J-MONCK	GENERAL NOTES UPDATED & COUNCIL COMMENTS
A	07.02.24	NT	KCL	B. J-MONCK	INITIAL ISSUE
REV	DATE	DRN	CKD	APP	AMENDMENT

**MITCHELL SHIRE COUNCIL**

**APPROVED PLAN**

APPROVED  
By Basir Azizi at 8:43 am, Jul 05, 2024

**COSWILL & WEBLEY**  
CONSULTING ENGINEERS

Street Address  
Level 20, 390 St Kilda Road W cossillwebley.com.au  
Melbourne VIC 3004 T (03) 8548 1560  
E Melbourne.Reception@cosweb.com.au

**JINDING**

APPROVED: PE 0005549

DESIGNED: A. MAY

SCALE: NOT TO SCALE

CLIENT: BROADSTEAD - STAGE 01

TITLE: GENERAL NOTES AND DETAILS (SHEET 1 OF 2)

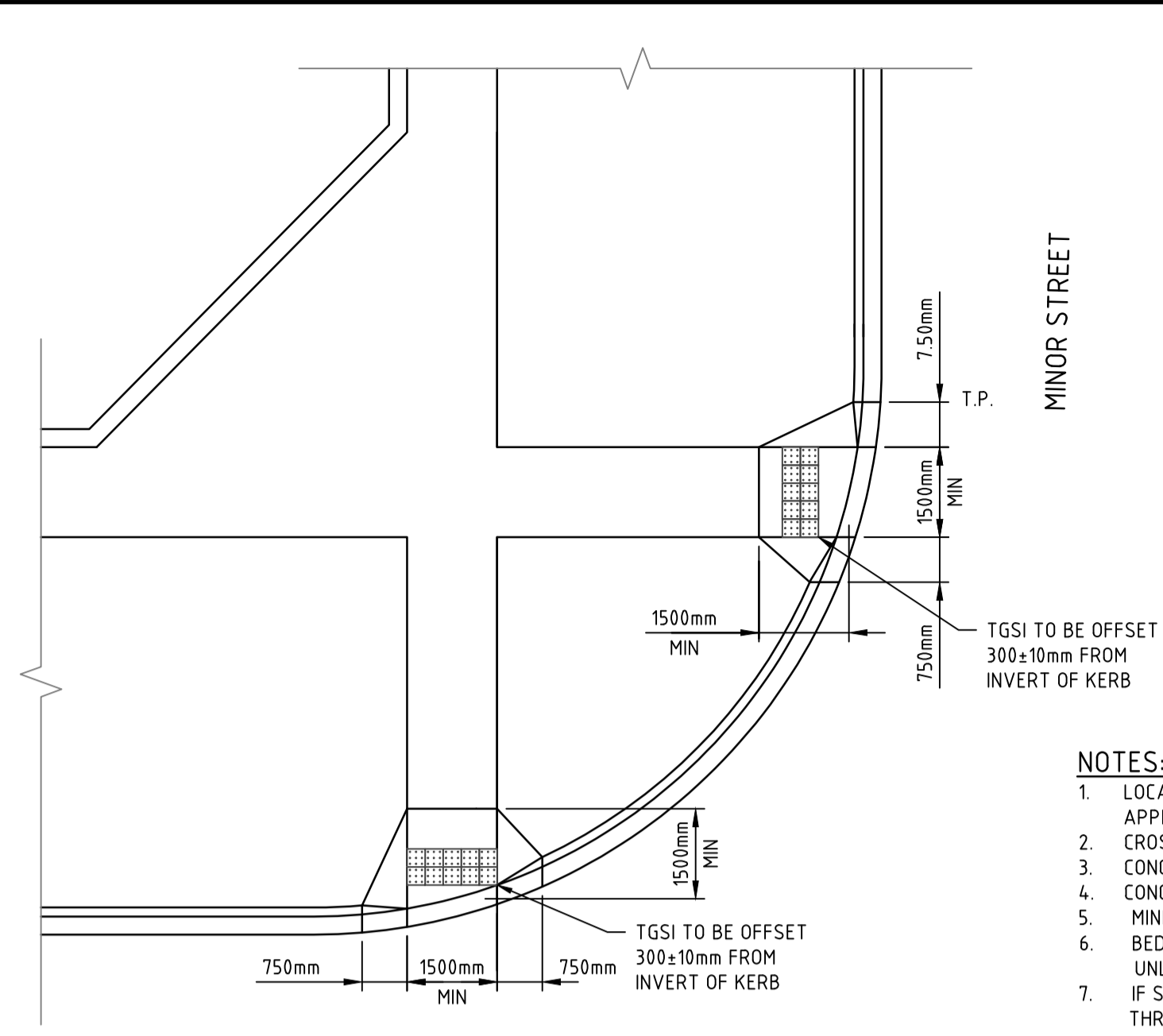
MUNICIPALITY: MITCHELL SHIRE COUNCIL

PP No: PLP430/22

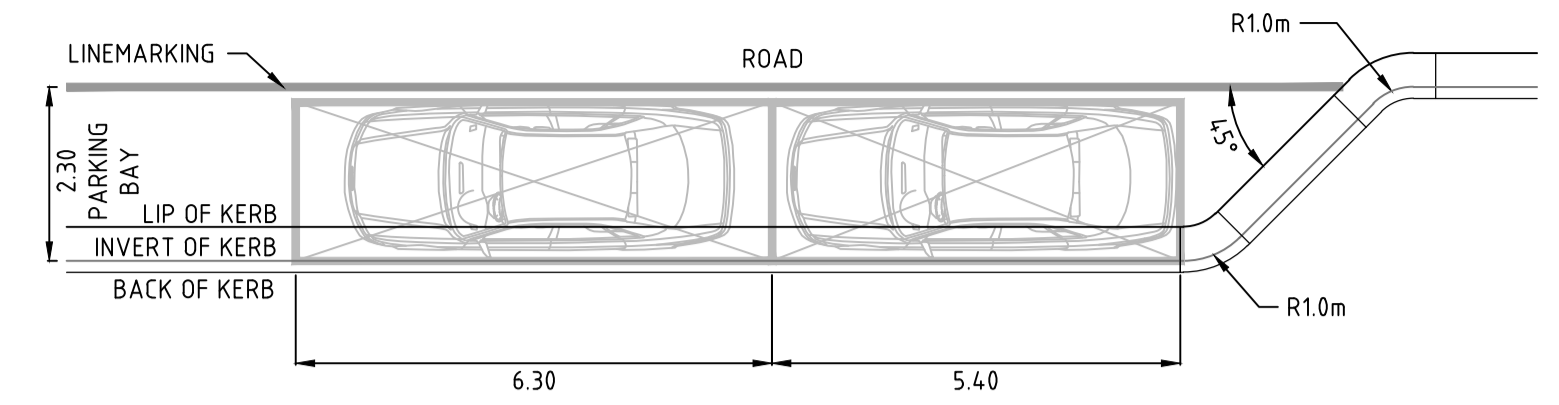
DRAWING No: 3265-01-010

REVISION: C

ORIGINAL SIZE: A1

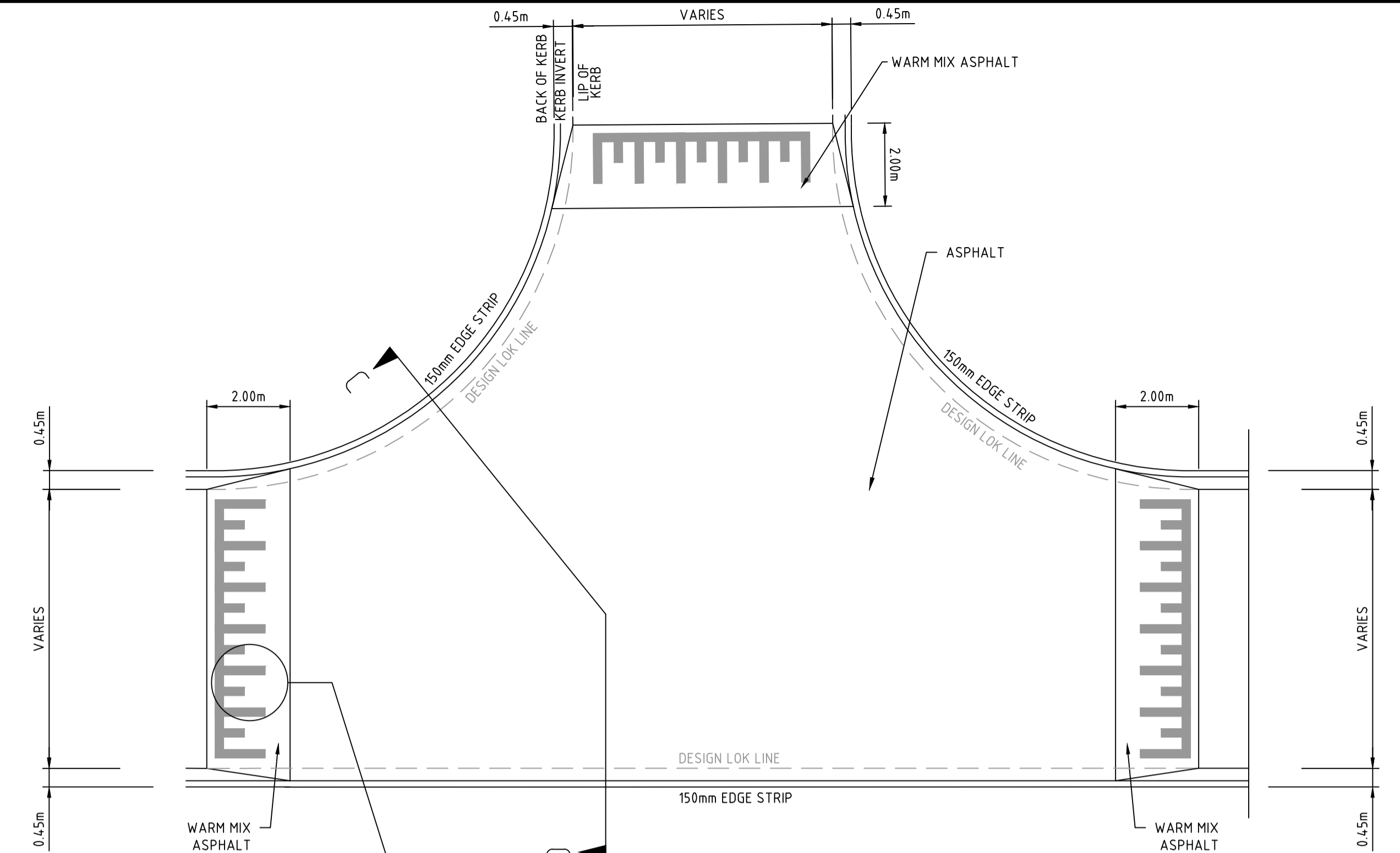


**TYPICAL PRAM CROSSING DETAIL**  
NOT TO SCALE  
REFER STD DWG ID# SD200

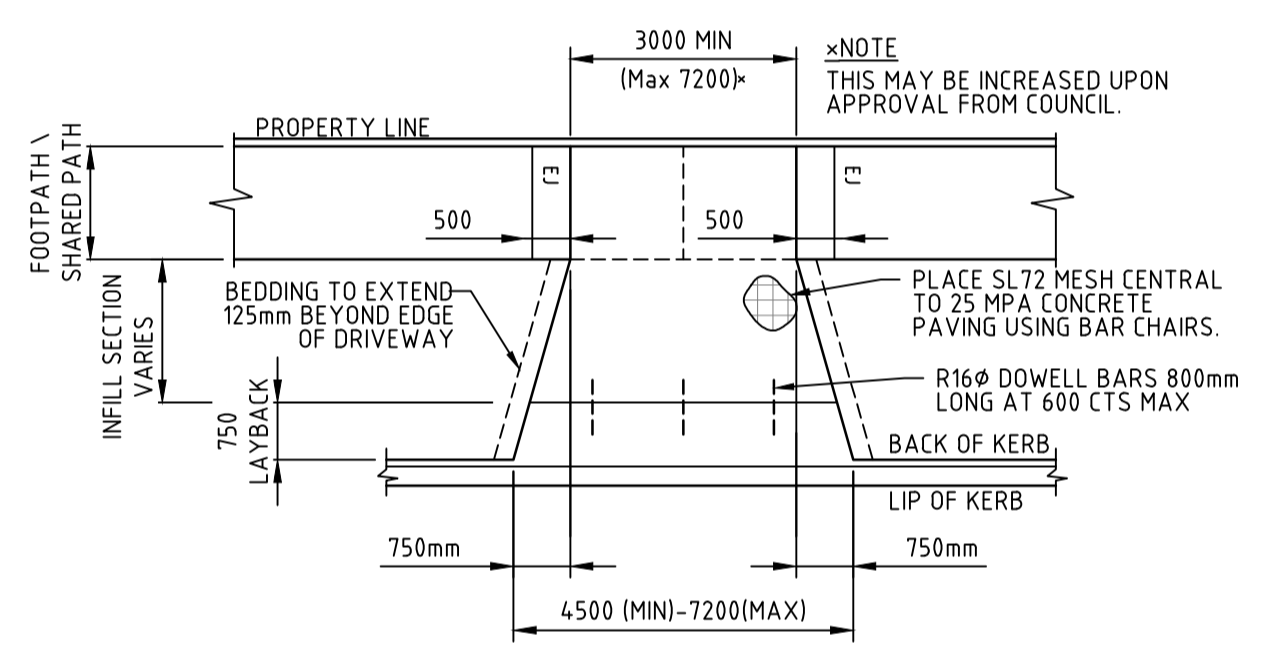


**TYPICAL INDENTED BAY DETAIL**  
NOT TO SCALE

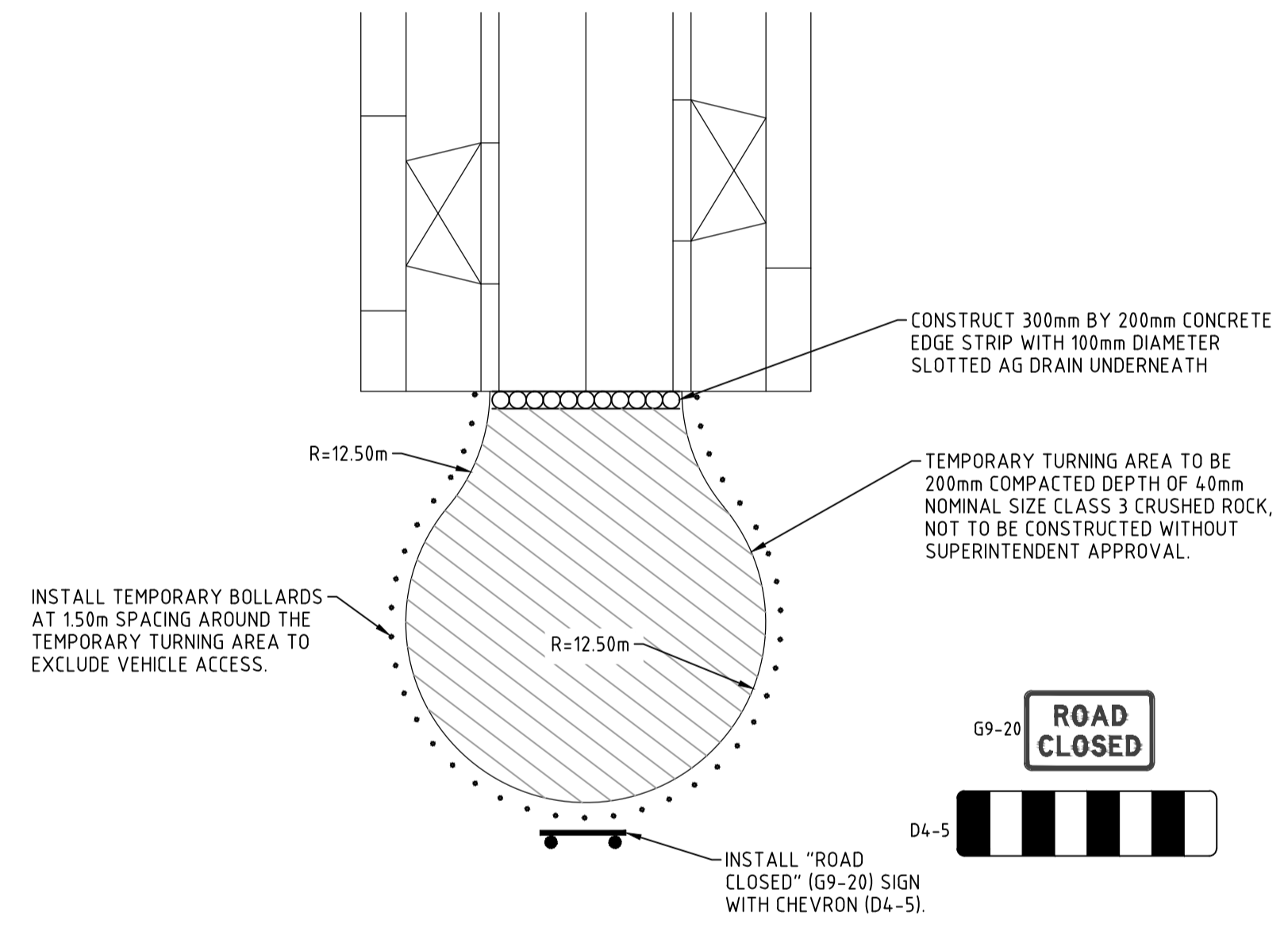
- NOTES:**
1. LOCATION OF CROSSINGS TO BE CASE BY CASE & TO BE APPROVED BY COUNCIL.
  2. CROSSING GENERALLY TO BE LOCATED AT TANGENT POINTS.
  3. CONCRETE TO BE SMOOTH TROWELLED FINISH ON TRAY.
  4. CONCRETE TO BE FINE SOFT HAIR BROOM FINISH ON LAYBACK.
  5. MINIMUM CONCRETE STRENGTH TO BE 25 MPA.
  6. BEDDING TO BE COMPACTED CLASS 3 (OR BETTER) F.C.R. UNLESS OTHERWISE DIRECTED.
  7. IF SPLAY IS NOT REQUIRED FOOTPATH IS TO CONTINUE THROUGH TO LAYBACKS.
  8. TGSIS (TILES), WHERE REQUIRED, ARE TO BE INSTALLED TO AS1428.4.
  9. WHERE ANY NEW CONCRETE ABUTS EXISTING CONCRETE INSTALL R16Ø DOWELS IN 125mm THICK CONCRETE OR R10Ø DOWELS IN 75mm THICK CONCRETE DOWELS @ MAX 600 CTS. REFER SD 205, SD270 FOR FURTHER FOOTPATH DETAILS.



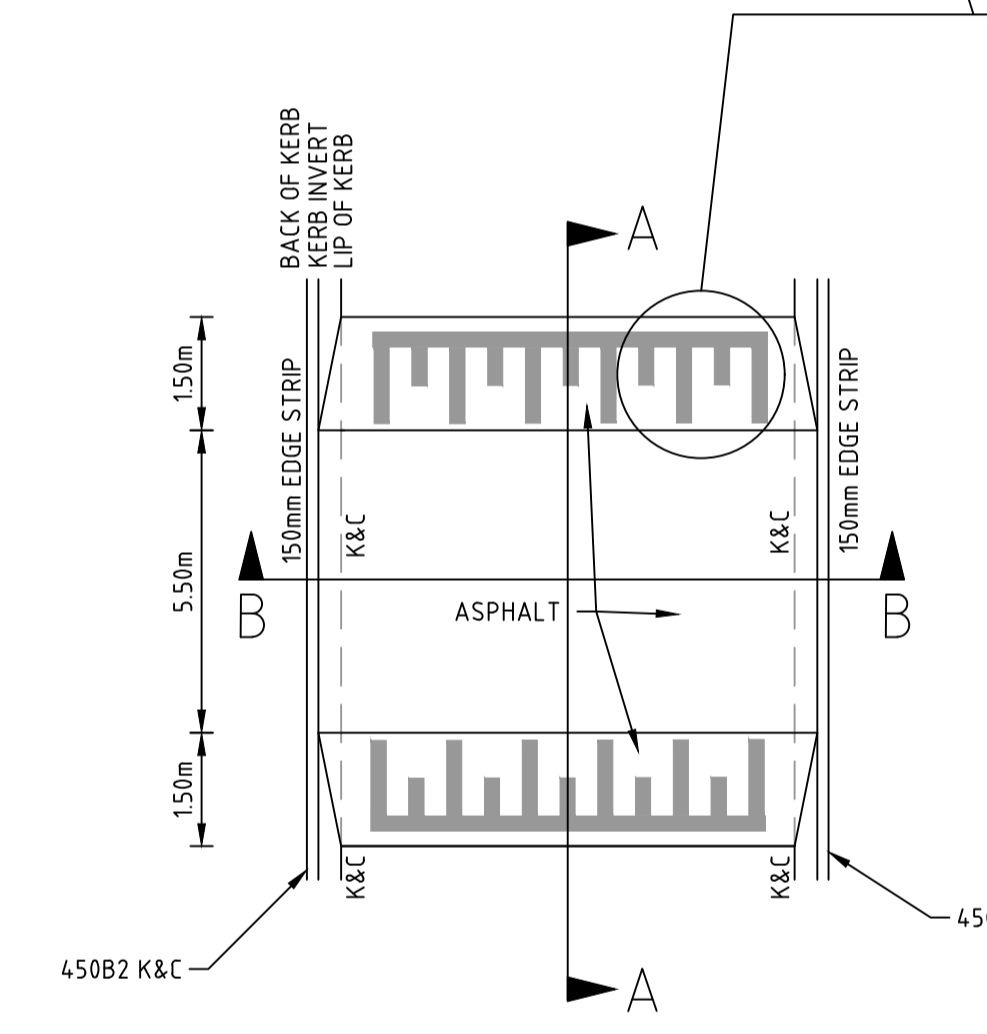
**TYPICAL RAISED INTERSECTION DETAIL**  
NOT TO SCALE



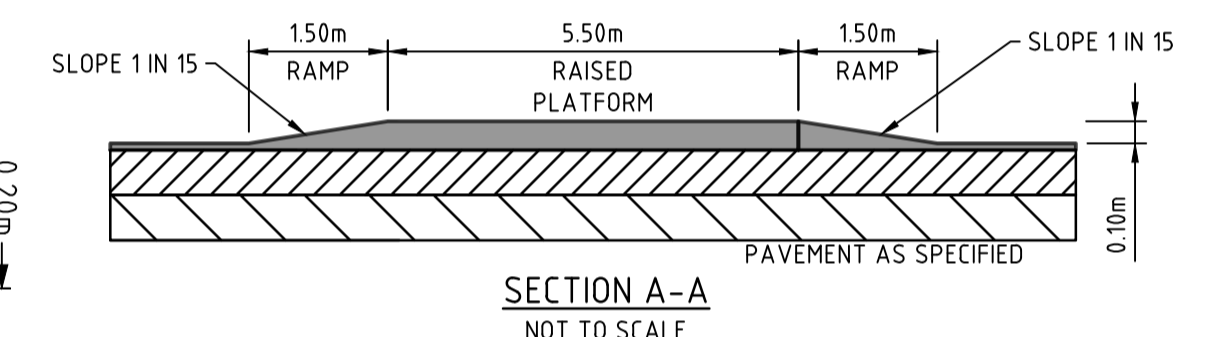
**SINGLE RESIDENTIAL VEHICLE CROSSING**  
NOT TO SCALE  
REFER STD DWG ID# SD240



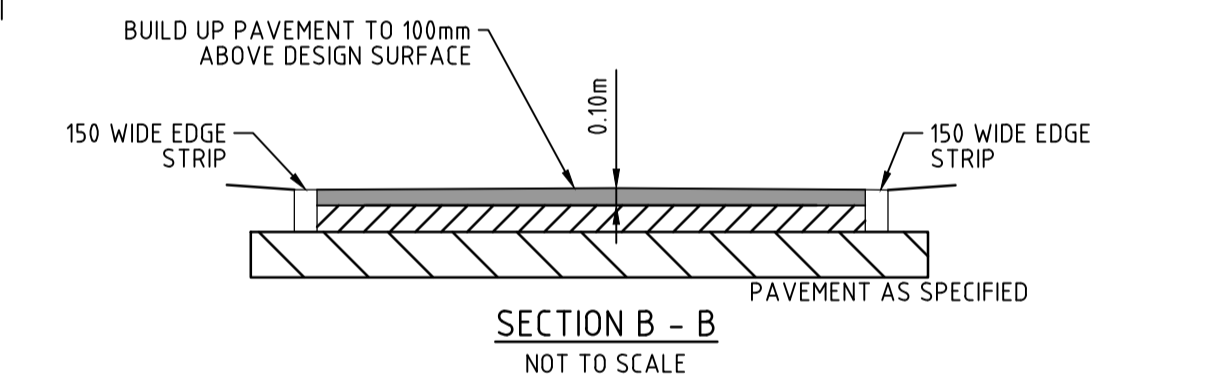
**TYPICAL TEMPORARY TURNAROUND DETAIL**  
NOT TO SCALE



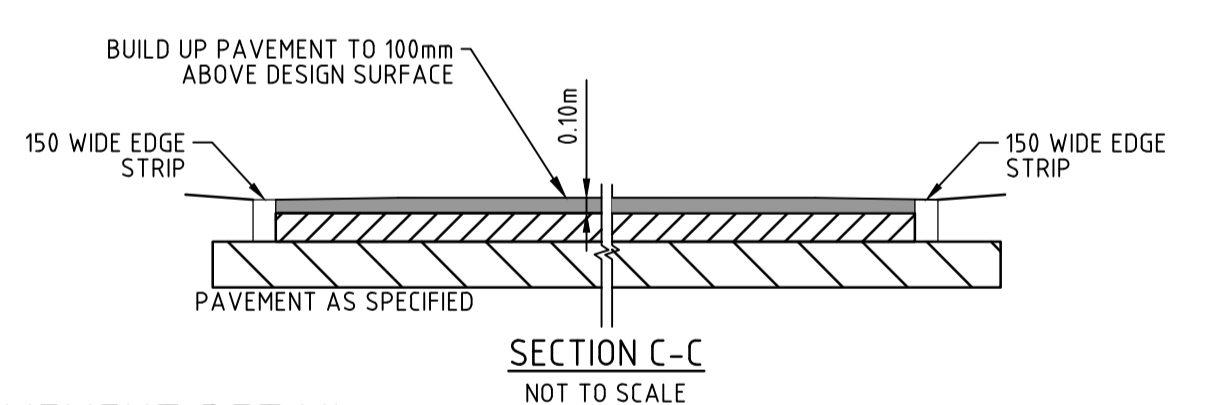
**TYPICAL RAISED PAVEMENT DETAIL**  
NOT TO SCALE



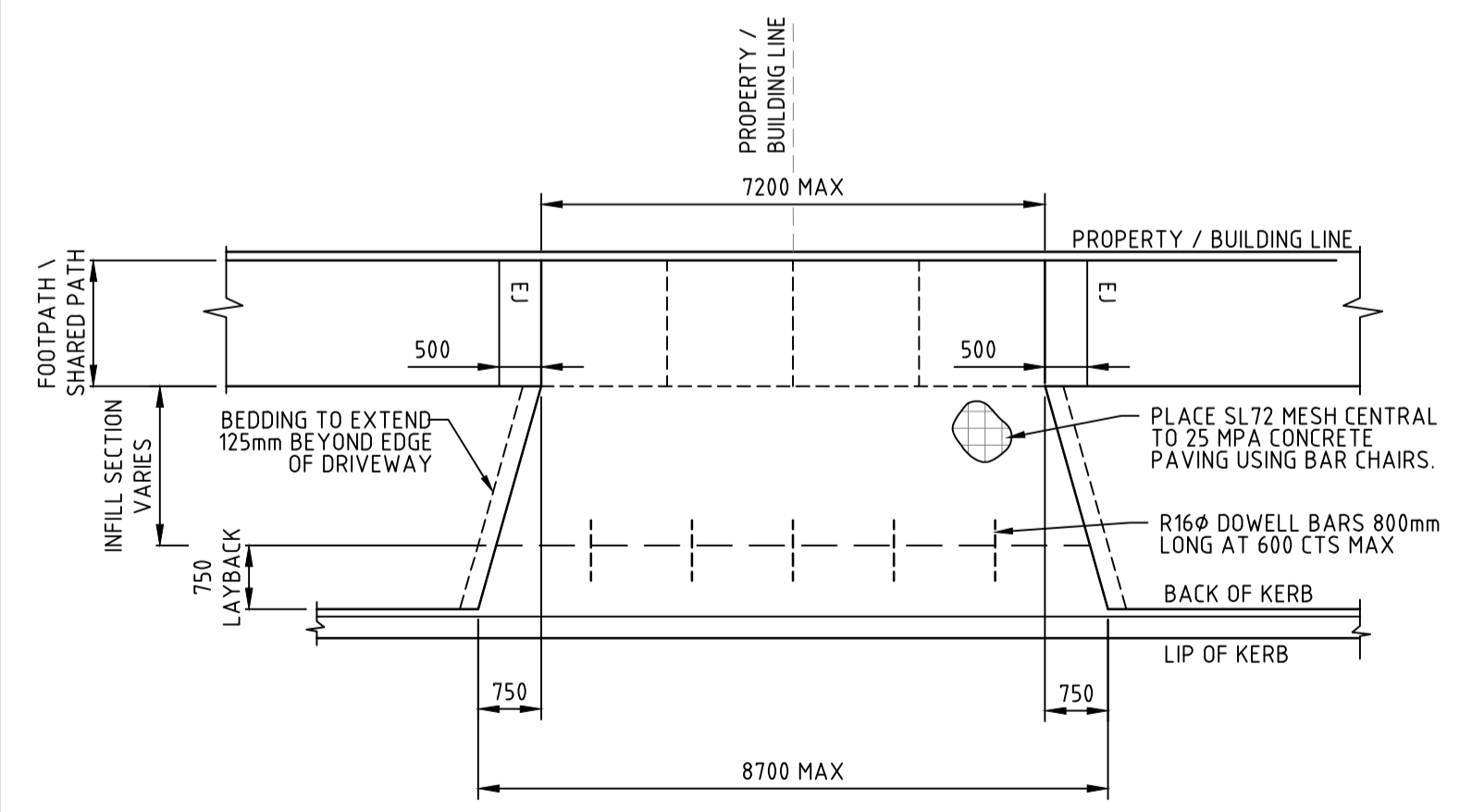
**SECTION A-A**  
NOT TO SCALE



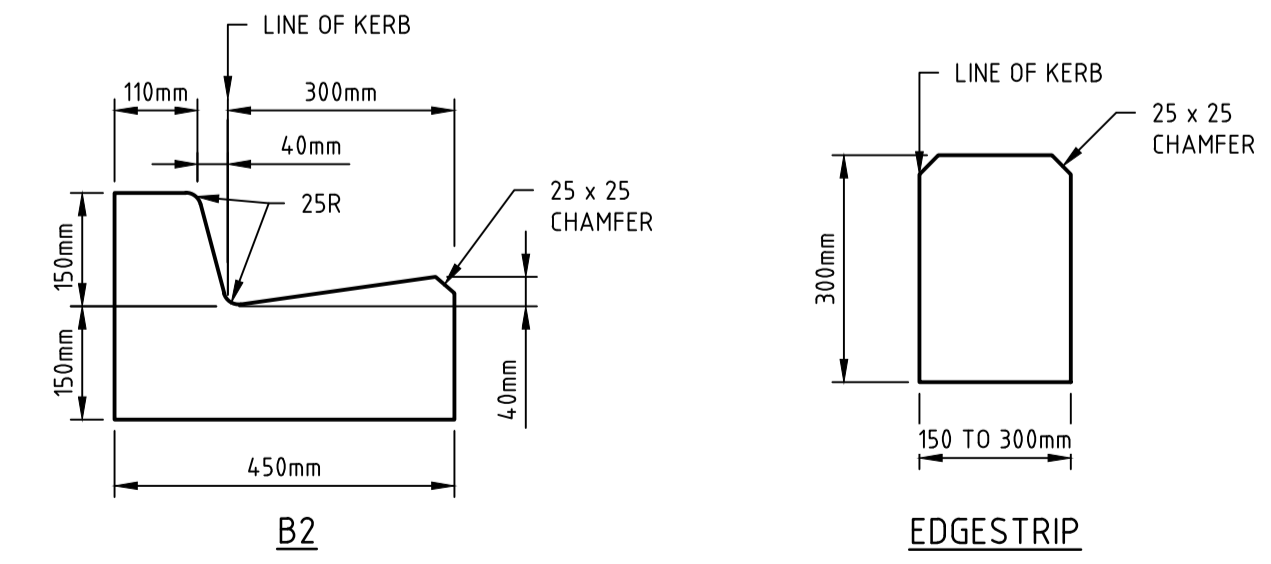
**SECTION B-B**  
NOT TO SCALE



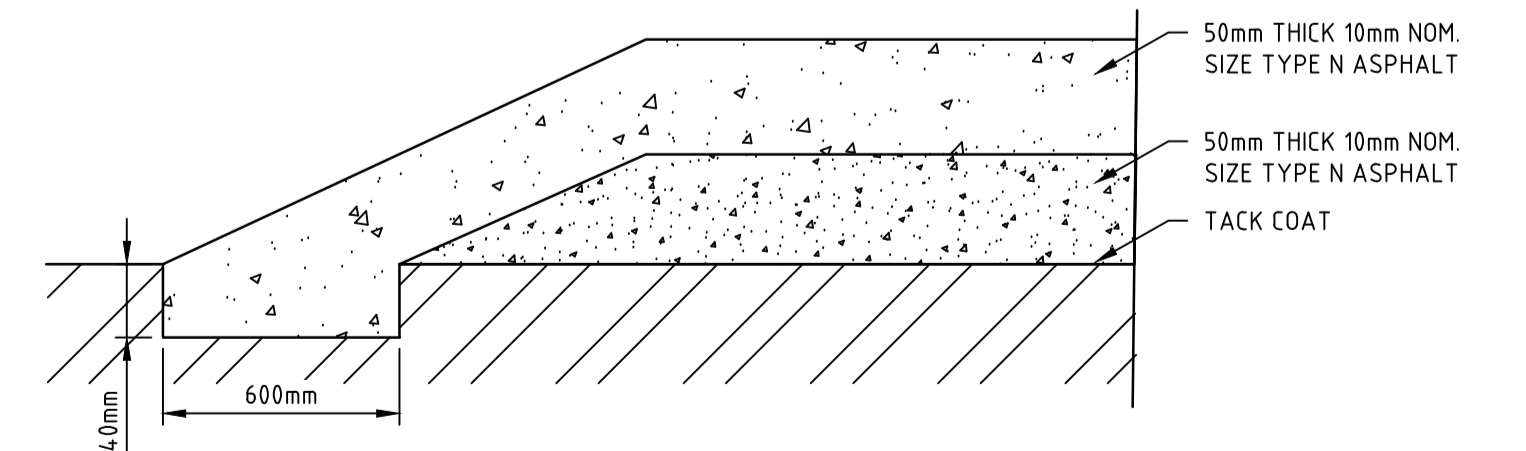
**SECTION C-C**  
NOT TO SCALE



**DOUBLE RESIDENTIAL VEHICLE CROSSING**  
NOT TO SCALE  
REFER STD DWG ID# SD245



**KERB PROFILES**  
NOT TO SCALE



**TYPICAL ASPHALT RAISED PAVEMENT**  
NOT TO SCALE

REV	DATE	DRN	CKD	APP	AMENDMENT
B	04.04.24	NT			TEMP TURNING AREA DETAILS REVISED, RAISED PLATFORM & KERB TYPE CHANGED
A	07.02.24	NT	KCL	B. J-MONCK	INITIAL ISSUE



**COPYRIGHT**  
The concepts and information contained in this document are the Copyright of Cossill & Webley Consulting Engineers. Use or copying of the document in whole or part without the written permission of Cossill & Webley Consulting Engineers constitutes an infringement of copyright.  
This plan is not to be used for construction unless issued as revision 0 or higher

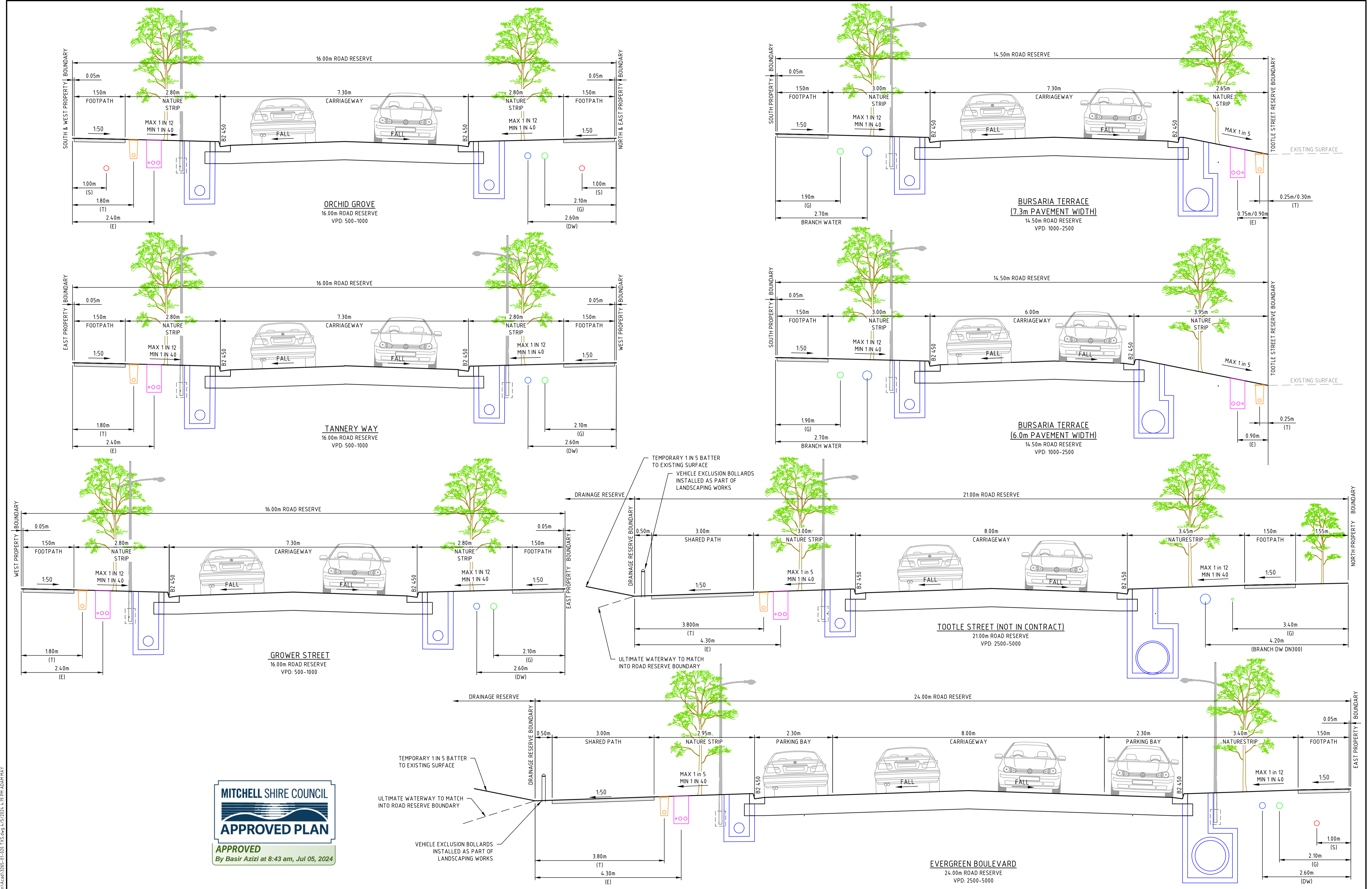
**Cossill & Webley**  
CONSULTING ENGINEERS  
Street Address  
Level 20, 390 St Kilda Road W cossillwebley.com.au  
Melbourne VIC 3004 T (03) 8548 1560  
E Melbourne.Reception@cosweb.com.au

**JINDING**  
APPROVED PE 0005549  
DESIGNED A. MAY  
SCALE NOT TO SCALE

**PROJECT** BROADSTEAD - STAGE 01  
**TITLE** GENERAL NOTES AND DETAILS (SHEET 2 OF 2)  
**MUNICIPALITY** MITCHELL SHIRE COUNCIL  
**PP No.** PLP430/22  
**DRAWING No.** 3265-01-011  
**REVISION** B

ORIGINAL SIZE A1

C:\3265\4414\5593\3265-01\_0120\Design\3265-01-010 NOTES.dwg 5/1/2024 3:34 PM KEN LEE



**MITCHELL SHIRE COUNCIL**  
**APPROVED PLAN**  
 APPROVED  
 By Basir Azizi at 8:43 am, Jul 05, 2024

REV	DATE	DRN	CKD	APP	AMENDMENT
B	04.04.24	NT			KERB TYPES UPDATED, DRAINAGE RESERVE INTERFACE REVISED
A	07.02.24	NT	KCL	B. J-MONCK	INITIAL ISSUE

**COPYRIGHT**  
 The concepts and information contained in this document are the Copyright of Cossill & Webley Consulting Engineers. Use or copying of the document in whole or part without the written permission of Cossill & Webley Consulting Engineers constitutes an infringement of copyright.

This plan is not to be used for construction unless issued as revision 0 or higher

**CW Cossill & Webley**  
 CONSULTING ENGINEERS

Street Address  
 Level 20, 390 St Kilda Road W cossillwebley.com.au  
 Melbourne VIC 3004 T (03) 8548 1560  
 E Melbourne.Reception@cosweb.com.au

CLIENT  
**JINDING**

APPROVED: PE 0005549

DESIGNED  
 A. MAY

SCALE  
 NOT TO SCALE

PROJECT  
 BROADSTEAD - STAGE 01

TITLE  
 TYPICAL CROSS SECTIONS

MUNICIPALITY  
 MITCHELL SHIRE COUNCIL

PP No.  
 PLP430/22

DRAWING No.  
 3265-01-020

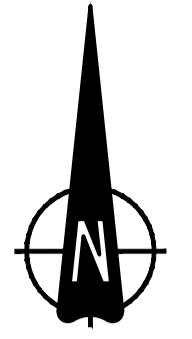
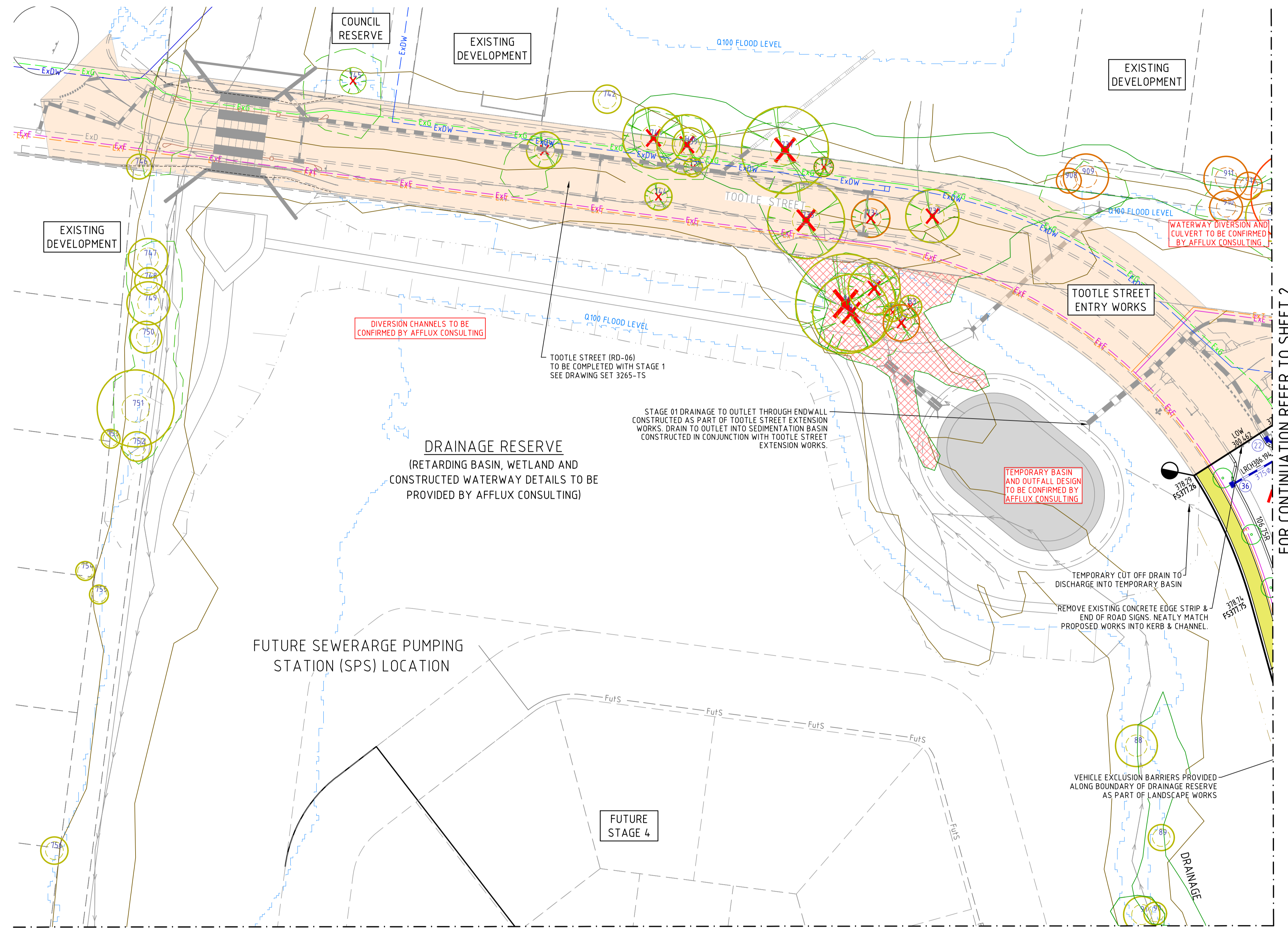
REVISION  
 B

ORIGINAL SIZE  
 A1

C:\3265\4414\5303\3265-01-020\Drawings\3265-01-020\_TCS.dwg 1/5/2024 4:19 PM ADAM MAY



DESCRIPTION	EXISTING	PROPOSED
WATER MAIN - DRINKING WATER	ExNDW	DW
UNDERGROUND ELECTRICITY	ExE	E
TELECOMMUNICATIONS & SERVICE PIT	ExT	T
GAS MAIN	ExG	G
CENTRAL INVERT	ExI	I
BRANCH SEWER & MANHOLE	ExS	S
SEWER & MANHOLE	ExS	S
COUNCIL STORMWATER DRAIN, PIT & HOUSE DRAIN/PROPERTY INLET	ExSD	SD
GAS & WATER CONDUITS	GW	GW
HOUSE DRAIN	HD	HD
STORMWATER DRAINAGE PIT NUMBER	01	01
CONCRETE VEHICLE CROSSING		
CONCRETE FOOTPATH		
RAISED PLATFORM		
SHARED PATH		
RIDGE / CHANGE OF GRADE LINE		
SURFACE CONTOUR	-380.0	-380.0
SURFACE LEVEL	4.3.21	FS4.33
RIDGE LEVEL		R4.355
ROAD CHAINAGES	CH36.20 (L/R)TP CH36.20	CH36.20 (L/R)TP CH36.20
LOT CHAINAGE	CH28.50	CH28.50
PERMANENT SURVEY MARK		
TEMPORARY BENCH MARK		
BOLLARD		
FALL OF DESIGN SURFACE		
100 YEAR OVERLAND FLOW PATH		
SIGN AND POST		
LIMIT OF WORKS		
BATTER		
TREE PROTECTION ZONE HIGH / MED / LOW		
STRUCTURAL ROOT ZONE HIGH / MED / LOW		
TREE TO BE REMOVED		
VEGETATION LINE		
VEGETATION LINE TO BE REMOVED		



FOR CONTINUATION REFER TO SHEET 2

FOR CONTINUATION REFER TO SHEET 4

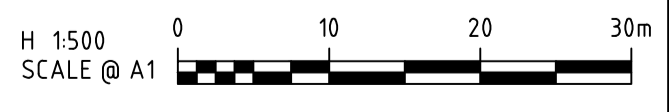
**MITCHELL SHIRE COUNCIL**  
**APPROVED PLAN**  
 APPROVED  
 By Basir Azizi at 8:43 am, Jul 05, 2024

**DIAL BEFORE YOU DIG**  
 www.1100.com.au

**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.

C:\3265\4414\5530\3265-01\_02\Design\4414\3265-01-100.DWG PLP430/22 8:50 AM 04/04/24

REV	DATE	DRN	CKD	APP	AMENDMENT
B	04.04.24	NT			TEMPORARY BASIN LINWORKS & LEGEND UPDATED, Q100 FLOOD LEVEL ADDED
A	07.02.24	NT	KCL	B. J-MONCK	INITIAL ISSUE



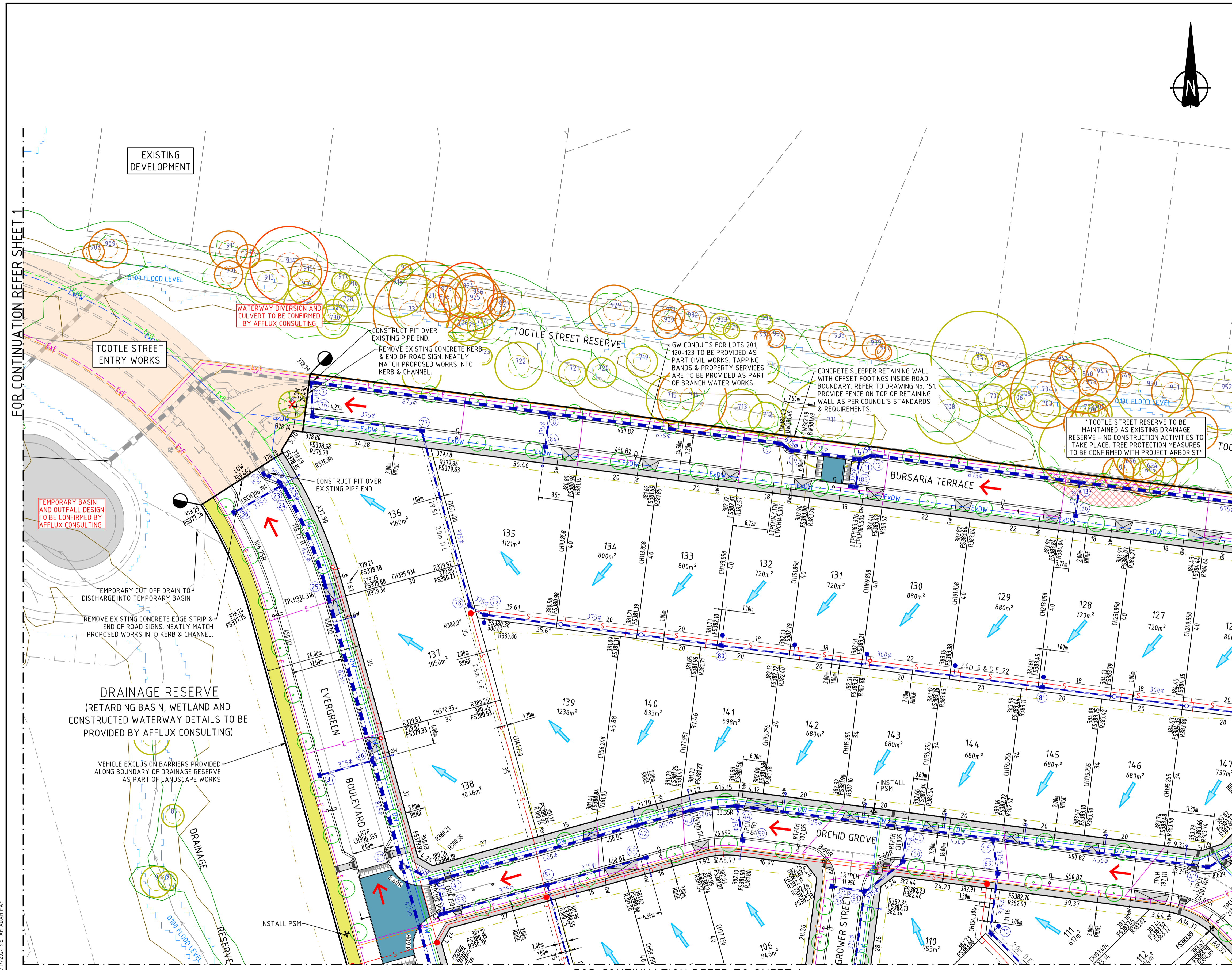
**COPYRIGHT**  
 The concepts and information contained in this document are the Copyright of Cossill & Webley Consulting Engineers. Use or copying of the document in whole or part without the written permission of Cossill & Webley Consulting Engineers constitutes an infringement of copyright.  
 This plan is not to be used for construction unless issued as revision 0 or higher

**CW Cossill & Webley**  
 CONSULTING ENGINEERS  
 Street Address  
 Level 20, 390 St Kilda Road W cossillwebley.com.au  
 Melbourne VIC 3004 T (03) 8548 1560  
 E Melbourne.Reception@cosweb.com.au

**JINDING**  
 APPROVED: PE 0005549  
 DESIGNED  
 A. MAY  
 SCALE  
 1:500 @ A1

PROJECT	TITLE	MUNICIPALITY	PP No.	DRAWING No.	REVISION
BROADSTEAD - STAGE 01	LAYOUT PLAN (SHEET 1 OF 4)	MITCHELL SHIRE COUNCIL	PLP430/22	3265-01-101	B

ORIGINAL SIZE A1



DESCRIPTION	EXISTING	PROPOSED
WATER MAIN - DRINKING WATER	--- ExDW ---	--- DW ---
UNDERGROUND ELECTRICITY	--- ExE ---	--- E ---
TELECOMMUNICATIONS & SERVICE PIT	--- ExT ---	--- T ---
GAS MAIN	--- ExG ---	--- G ---
CENTRAL INVERT	--- ExI ---	--- I ---
BRANCH SEWER & MANHOLE	--- ExS ---	--- S ---
SEWER & MANHOLE	--- ExS ---	--- S ---
COUNCIL STORMWATER DRAIN, PIT & HOUSE DRAIN/PROPERTY INLET	--- ExSD ---	--- SD ---
GAS & WATER CONDUITS	--- GW ---	--- GW ---
HOUSE DRAIN	--- HD ---	--- HD ---
STORMWATER DRAINAGE PIT NUMBER	⓪1	⓪1
CONCRETE VEHICLE CROSSING		
CONCRETE FOOTPATH		
RAISED PLATFORM		
SHARED PATH		
RIDGE / CHANGE OF GRADE LINE		
SURFACE CONTOUR	--- 380.0 ---	--- 380.0 ---
SURFACE LEVEL	4.3.21	FS44.33
RIDGE LEVEL		R4.3.55
ROAD CHAINAGES	CH36.20 (L/R)TP CH36.20	CH36.20 (L/R)TP CH36.20
LOT CHAINAGE	CH28.50	CH28.50
PERMANENT SURVEY MARK		
TEMPORARY BENCH MARK		
BOLLARD		
FALL OF DESIGN SURFACE		
100 YEAR OVERLAND FLOW PATH		
SIGN AND POST		
LIMIT OF WORKS		
BATTER		
TREE PROTECTION ZONE HIGH / MED / LOW		
STRUCTURAL ROOT ZONE HIGH / MED / LOW		
TREE TO BE REMOVED		
VEGETATION LINE		
VEGETATION LINE TO BE REMOVED		

**MITCHELL SHIRE COUNCIL**  
  
**APPROVED PLAN**  
 APPROVED  
 By Basir Azizi at 8:43 am, Jul 05, 2024



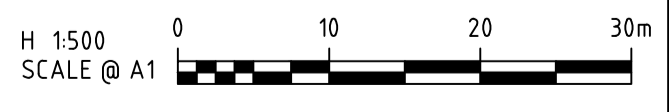
**WARNING**  
 BEWARE OF UNDERGROUND/OVERHEAD SERVICES  
 THE LOCATION OF SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. SPECIAL CONSIDERATION SHOULD BE GIVEN TO CONSTRUCTION PROCEDURES UNDER OVERHEAD ELECTRICITY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

FOR CONTINUATION REFER SHEET 1

FOR CONTINUATION REFER SHEET 3

FOR CONTINUATION REFER TO SHEET 4

B	04.04.24	NT			KERBS TO B2, TEMPORARY BASIN & Q100 FLOOD LEVELS ADDED, DRAINAGE UPDATED
A	07.02.24	NT	KCL	B. J-MONCK	INITIAL ISSUE
REV	DATE	DRN	CKD	APP	AMENDMENT



**COPYRIGHT**  
 The concepts and information contained in this document are the Copyright of Cossill & Webley Consulting Engineers. Use or copying of the document in whole or part without the written permission of Cossill & Webley Consulting Engineers constitutes an infringement of copyright.  
 This plan is not to be used for construction unless issued as revision 0 or higher

**CW Cossill & Webley**  
 CONSULTING ENGINEERS  
 Street Address  
 Level 20, 350 St Kilda Road W cossillwebley.com.au  
 Melbourne VIC 3004 T (03) 8548 1560  
 E Melbourne.Reception@cosweb.com.au

**JINDING**  
 APPROVED: D PE 0005549  
 DESIGNED: A. MAY  
 SCALE: 1:500 @ A1

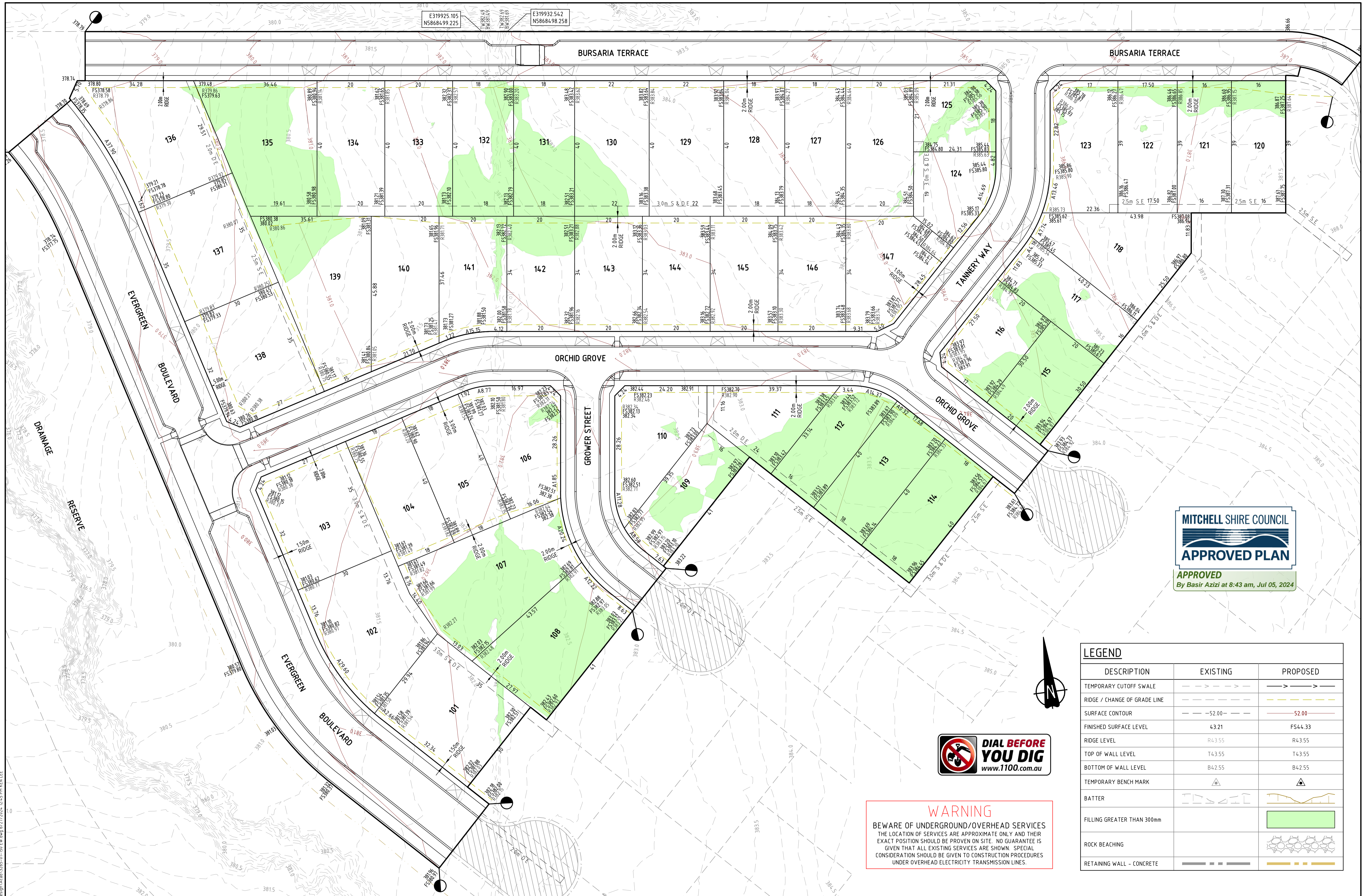
**PROJECT** BROADSTEAD - STAGE 01  
**TITLE** LAYOUT PLAN (SHEET 2 OF 4)  
**MUNICIPALITY** MITCHELL SHIRE COUNCIL  
**PP No.** PLP430/22  
**DRAWING No.** 3265-01-102  
**REVISION** B

ORIGINAL SIZE A1

C:\3265\4414\533\3265-01\_102\Design\3265-01-100-DEI-PLAN.dwg 5/17/2024 9:51 AM GDMH MAY







APPROVED  
By Basir Azizi at 8:43 am, Jul 05, 2024

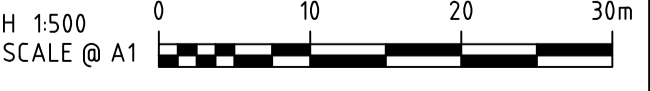
DESCRIPTION	EXISTING	PROPOSED
TEMPORARY CUTOFF SWALE	- - - - -	- - - - -
RIDGE / CHANGE OF GRADE LINE	- - - - -	- - - - -
SURFACE CONTOUR	- - - - -	- - - - -
FINISHED SURFACE LEVEL	43.21	FS44.33
RIDGE LEVEL	R43.55	R43.55
TOP OF WALL LEVEL	T43.55	T43.55
BOTTOM OF WALL LEVEL	B42.55	B42.55
TEMPORARY BENCH MARK	▲	▲
BATTER	▾	▾
FILLING GREATER THAN 300mm		█
ROCK BEACHING		█
RETAINING WALL - CONCRETE	- - - - -	- - - - -



**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.

C:\3265\4414\533\3265-01-150\DWG\4772024-12-15 PM KEN LEE

C	27.06.24	KCL	<i>[Signature]</i>	AMENDED LEVELS AT L.O.W. OF ORCHID GROVE	
B	03.05.24	NT	KCL	B. J.-MONCK BURSARIA TERRACE REGRADED, LOT LEVELS & FILL HATCH AMENDED	
A	07.02.24	NT	KCL	B. J.-MONCK INITIAL ISSUE	
REV	DATE	DRN	CKD	APP	AMENDMENT



**COPYRIGHT**  
The concepts and information contained in this document are the Copyright of Cossill & Webley Consulting Engineers. Use or copying of the document in whole or part without the written permission of Cossill & Webley Consulting Engineers constitutes an infringement of copyright.

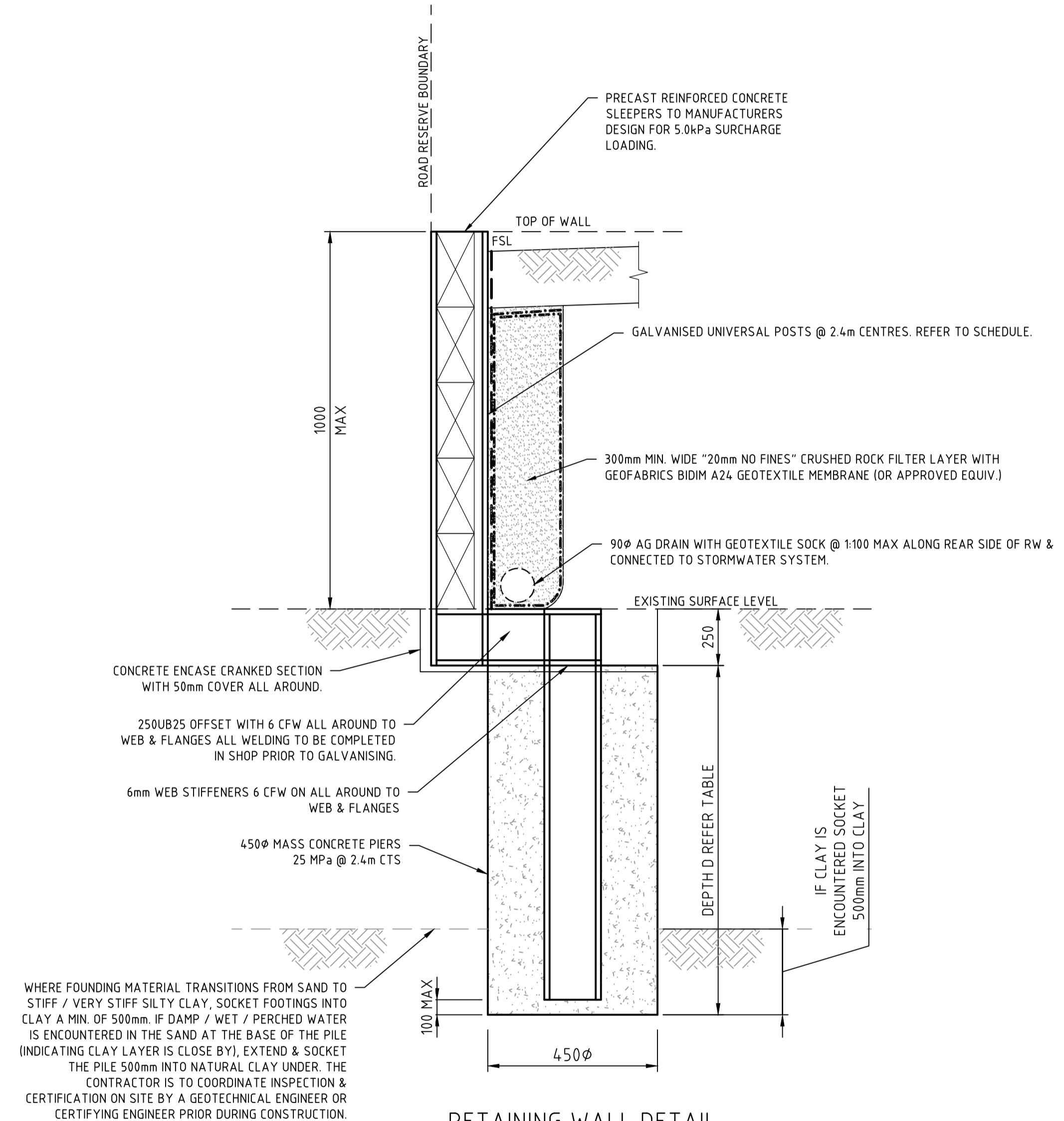
**CW Cossill & Webley**  
CONSULTING ENGINEERS  
Street Address  
Level 20, 390 St Kilda Road W cossillwebley.com.au  
Melbourne VIC 3004 T (03) 8548 1560  
E Melbourne.Reception@cosweb.com.au

**JINDING**  
APPROVED PE 0005549  
*[Signature]*  
DESIGNED  
A. MAY  
SCALE  
1:500 @ A1

PROJECT  
BROADSTEAD - STAGE 01  
TITLE  
EARTHWORKS PLAN  
MUNICIPALITY  
MITCHELL SHIRE COUNCIL  
PP No.  
PLP430/22  
DRAWING No.  
3265-01-150  
REVISION  
C

ORIGINAL SIZE A1

RETAINING WALL SCHEDULE (CONCRETE SLEEPER):		
RETAINED HEIGHT H (mm)	DEPTH D (mm)	GALVANISED POST SIZE
200 - 600	900	150 UB 14
601 - 800	1200	150 UB 14
801 - 1000	1500	150 UB 14
1001 - 1200	1800	150 UB 14
1201 - 1400	2100	150 UB 14
1401 - 1600	2400	150 UB 18



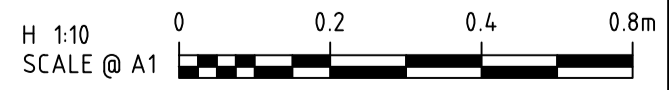
**RETAINING WALL DETAIL  
(CONCRETE SLEEPER WITH OFFSET FOOTING)**  
SCALE 1:10 @ A1

WHERE FOUNDING MATERIAL TRANSITIONS FROM SAND TO STIFF / VERY STIFF SILTY CLAY, SOCKET FOOTINGS INTO CLAY A MIN. OF 500mm. IF DAMP / WET / PERCHED WATER IS ENCOUNTERED IN THE SAND AT THE BASE OF THE PILE (INDICATING CLAY LAYER IS CLOSE BY), EXTEND & SOCKET THE PILE 500mm INTO NATURAL CLAY UNDER. THE CONTRACTOR IS TO COORDINATE INSPECTION & CERTIFICATION ON SITE BY A GEOTECHNICAL ENGINEER OR CERTIFYING ENGINEER PRIOR DURING CONSTRUCTION.



C:\3265\441\1503\3265-01-150\Design\Road\3265-01-150-04.dwg 5/1/2024 1:04 PM HEN LEE

REV	DATE	DRN	CKD	APP	AMENDMENT
B	23.04.24	AM		<i>Basir</i>	REVISED TO OFFSET FOOTING
A	07.02.24	NT	KCL	B. J-MONCK	INITIAL ISSUE



**COPYRIGHT**  
The concepts and information contained in this document are the Copyright of Cossill & Webley Consulting Engineers. Use or copying of the document in whole or part without the written permission of Cossill & Webley Consulting Engineers constitutes an infringement of copyright.  
  
This plan is not to be used for construction unless issued as revision 0 or higher

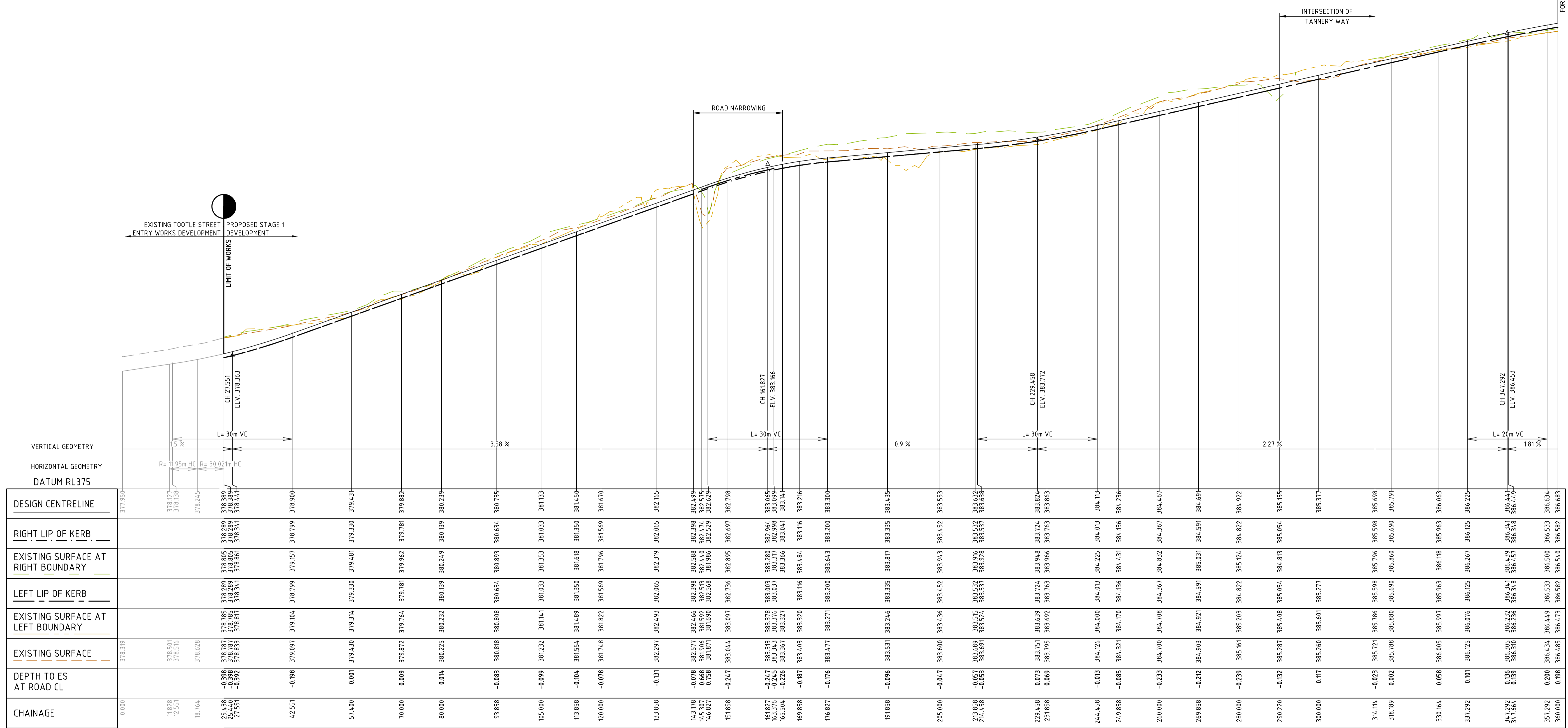
**CW Cossill & Webley**  
CONSULTING ENGINEERS  
  
Street Address  
Level 20, 390 St Kilda Road W cossillwebley.com.au  
Melbourne VIC 3004 T (03) 8548 1560  
E Melbourne.Reception@cosweb.com.au

**JINDING**  
APPROVED PE 0005549  
*Basir*  
DESIGNED  
**A. MAY**  
SCALE  
1:10 @ A1

CLIENT	PROJECT	BROADSTEAD - STAGE 01
TITLE	RETAINING WALL DETAILS	
MUNICIPALITY	MITCHELL SHIRE COUNCIL	
PP No.	PLP430/22	DRAWING No.
	3265-01-151	REVISION
		B

ORIGINAL SIZE A1

LEGEND	
DESCRIPTION	LINETYPE
EXISTING SURFACE	---
DESIGN LINE	—
FUTURE DESIGN LINE	- - -
EXISTING SURFACE AT RIGHT BOUNDARY	---
RIGHT LIP OF KERB	- - -
EXISTING SURFACE AT LEFT BOUNDARY	---
LEFT LIP OF KERB	- - -



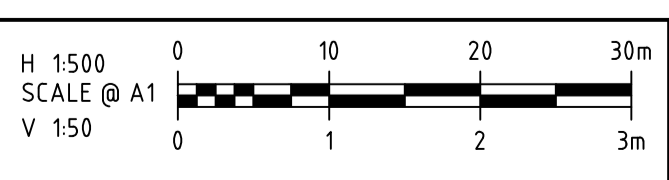
CHAINAGE	EXISTING SURFACE	EXISTING SURFACE AT LEFT BOUNDARY	LEFT LIP OF KERB	EXISTING SURFACE AT RIGHT BOUNDARY	RIGHT LIP OF KERB	DESIGN CENTRELINE
0.000	378.319					377.950
11.828	378.501					378.271
12.551	378.516					378.198
18.764	378.628					378.245
25.438	378.787	378.785	378.289	378.805	378.289	378.389
27.150	378.837	378.837	378.341	378.805	378.294	378.444
27.551	378.833	378.837	378.341	378.801	378.294	378.444
42.551	379.097	379.104	378.799	379.157	378.799	378.900
57.400	379.430	379.314	379.330	379.481	379.330	379.431
70.000	379.872	379.764	379.781	379.962	379.781	379.882
80.000	380.225	380.232	380.139	380.249	380.139	380.239
93.858	380.818	380.808	380.634	380.893	380.634	380.735
105.000	381.232	381.141	381.033	381.353	381.033	381.133
113.858	381.554	381.489	381.350	381.618	381.350	381.450
120.000	381.748	381.822	381.569	381.796	381.569	381.670
133.858	382.297	382.493	382.065	382.319	382.065	382.165
143.178	382.577	382.466	382.398	382.588	382.398	382.499
145.307	381.906	381.592	382.414	382.440	382.414	382.575
146.827	381.871	381.690	382.568	381.986	382.579	382.629
151.858	383.044	383.097	382.736	382.895	382.697	382.798
161.827	383.313	383.378	383.003	383.280	382.964	383.065
163.376	383.343	383.376	383.317	382.998	383.098	383.098
165.504	383.367	383.327	383.366	383.041	383.041	383.141
169.858	383.403	383.320	383.116	383.464	383.116	383.216
176.827	383.477	383.271	383.200	383.643	383.200	383.300
191.858	383.531	383.216	383.335	383.817	383.335	383.435
205.000	383.600	383.436	383.452	383.943	383.452	383.553
213.858	383.689	383.515	383.532	383.916	383.532	383.632
214.458	383.691	383.524	383.537	383.928	383.537	383.638
229.458	383.751	383.639	383.724	383.948	383.724	383.824
231.858	383.795	383.692	383.763	383.966	383.763	383.863
244.458	384.126	384.000	384.013	384.225	384.013	384.113
249.858	384.321	384.170	384.136	384.431	384.136	384.236
260.000	384.700	384.708	384.367	384.832	384.367	384.467
269.858	384.903	384.921	384.591	385.031	384.591	384.691
280.000	385.161	385.203	384.822	385.124	384.822	384.922
290.220	385.287	385.408	385.054	384.813	385.054	385.154
300.000	385.260	385.601	385.277	385.777	385.277	385.377
314.114	385.721	385.786	385.598	385.796	385.598	385.698
318.189	385.788	385.880	385.690	385.860	385.690	385.791
330.164	386.005	385.997	385.963	386.118	385.963	386.063
337.292	386.125	386.076	386.125	386.267	386.125	386.225
347.292	386.305	386.232	386.341	386.439	386.341	386.441
347.664	386.310	386.236	386.348	386.457	386.348	386.457
357.292	386.434	386.449	386.533	386.500	386.533	386.634
360.000	386.485	386.473	386.582	386.510	386.582	386.683

**BURSARIA TERRACE LONGITUDINAL SECTION**



C:\3265\441\530\3265-01-200\B\_S.dwg 6/4/2024 5:20 PM ADAM MAY

B	04.04.24	NT		BURSARIA TERRACE LONG SECTION REVISED
A	07.02.24	NT	KCL	B. J-MONCK
REV	DATE	DRN	CKD	APP
				AMENDMENT



**COPYRIGHT**  
 The concepts and information contained in this document are the Copyright of Cossill & Webley Consulting Engineers. Use or copying of the document in whole or part without the written permission of Cossill & Webley Consulting Engineers constitutes an infringement of copyright.  
 This plan is not to be used for construction unless issued as revision 0 or higher

**Cossill & Webley CONSULTING ENGINEERS**  
 Street Address  
 Level 20, 330 St Kilda Road W cossillwebley.com.au  
 Melbourne VIC 3004 T (03) 8548 1580  
 E Melbourne.Reception@cosweb.com.au

**JINDING**  
 APPROVED PE 0005549  
 DESIGNED A. MAY  
 SCALE H 1:500 V 1:50

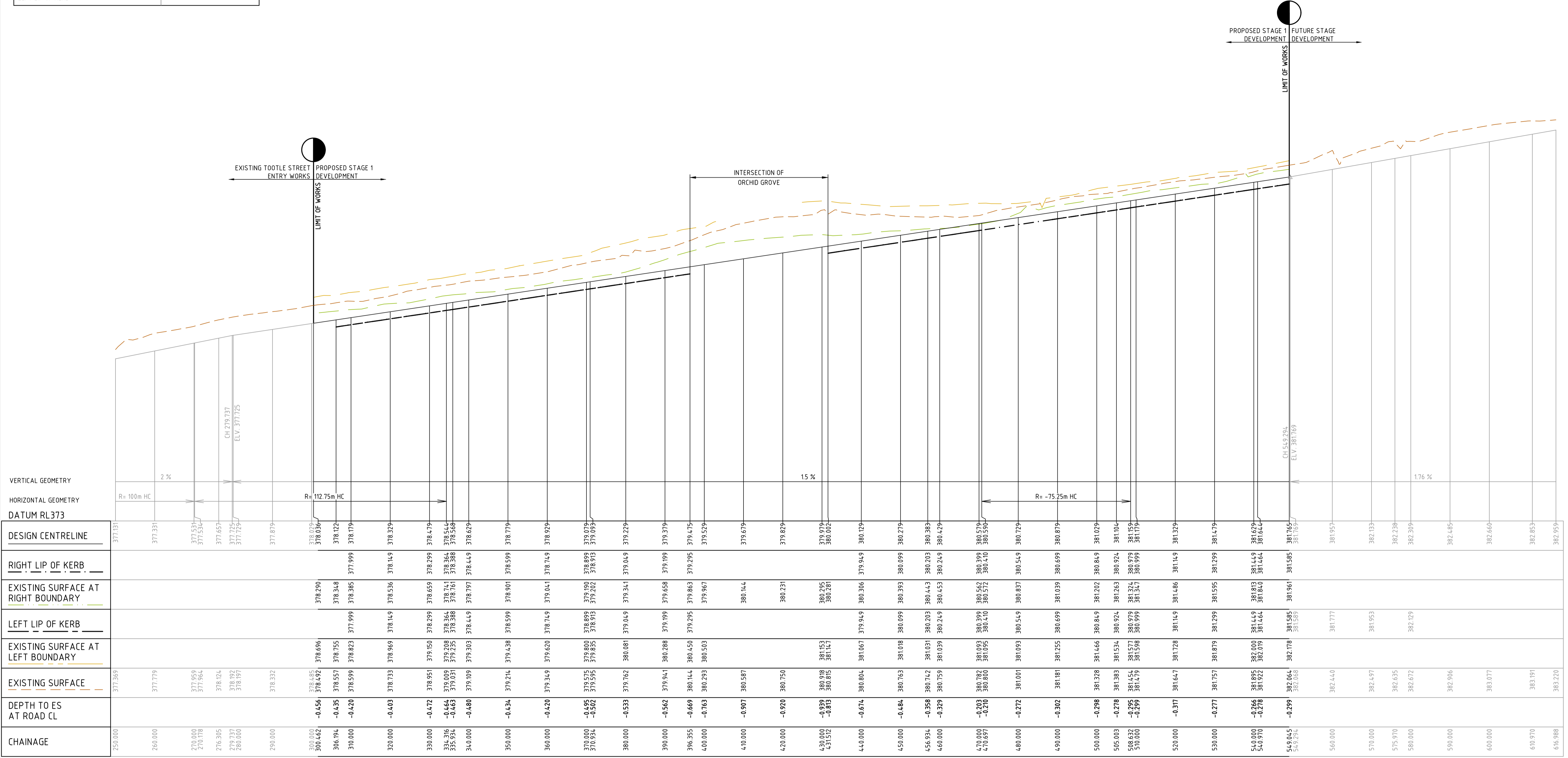
CLIENT	BROADSTEAD - STAGE 01
PROJECT	ROAD LONGITUDINAL SECTIONS (SHEET 1 OF 5)
MUNICIPALITY	MITCHELL SHIRE COUNCIL
PP No.	PLP430/22
DRAWING No.	3265-01-200
REVISION	B

ORIGINAL SIZE A1

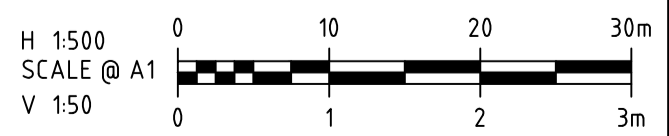
FOR CONTINUATION REFER DWG. 201



DESCRIPTION	LINETYPE
EXISTING SURFACE	---
DESIGN LINE	—
FUTURE DESIGN LINE	- - - -
EXISTING SURFACE AT RIGHT BOUNDARY	---
RIGHT LIP OF KERB	---
EXISTING SURFACE AT LEFT BOUNDARY	---
LEFT LIP OF KERB	---



EVERGREEN BOULEVARD LONGITUDINAL SECTION



**COPYRIGHT**  
The concepts and information contained in this document are the Copyright of Cossill & Webley Consulting Engineers. Use or copying of the document in whole or part without the written permission of Cossill & Webley Consulting Engineers constitutes an infringement of copyright.  
This plan is not to be used for construction unless issued as revision 0 or higher

**Cossill & Webley CONSULTING ENGINEERS**  
Street Address  
Level 20, 300 St Kilda Road W cossillwebley.com.au  
Melbourne VIC 3004 T (03) 8548 1560  
E Melbourne.Reception@cosweb.com.au

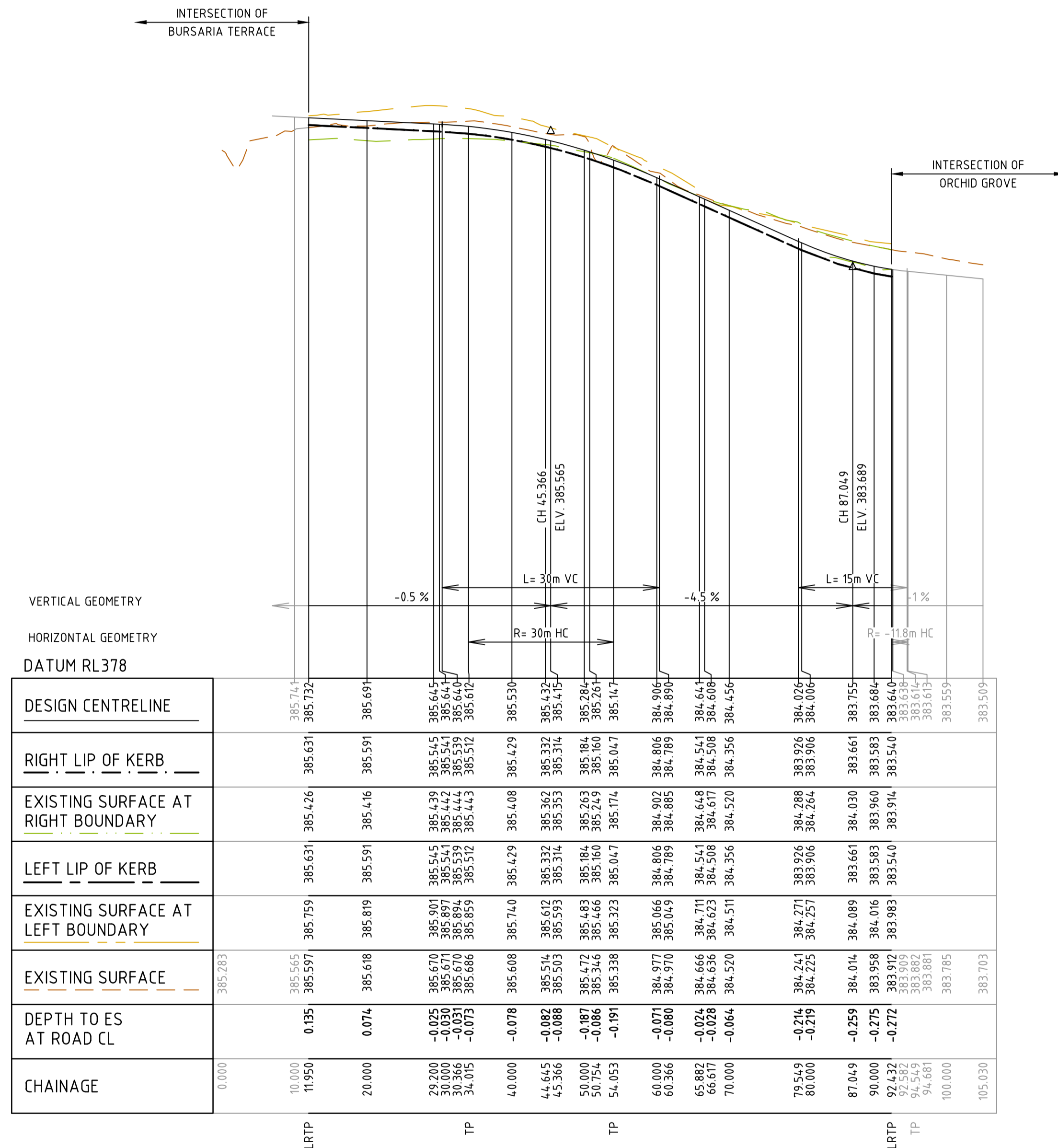
**JINDING**  
APPROVED PE 0005549  
DESIGNED A. MAY  
SCALE H 1:500 V 1:50

PROJECT	BROADSTEAD - STAGE 01
TITLE	ROAD LONGITUDINAL SECTIONS (SHEET 3 OF 5)
MUNICIPALITY	MITCHELL SHIRE COUNCIL
PP No.	PLP430/22
DRAWING No.	3265-01-202
REVISION	B

C:\3265\4414\5303\3265-01\_Rev0\Design\4414\3265-01-200 RL 5.dwg 7/2/2024 9:26 AM KEV LEE

REV	DATE	DRN	CKD	APP	AMENDMENT
B	02.07.24	KCL			REVISED LS TO CO-ORDINATE UPDATES IN TOOTLE STREET & STAGE 2
A	07.02.24	NT	KCL	B. J-MONCK	INITIAL ISSUE

LEGEND	
DESCRIPTION	LINETYPE
EXISTING SURFACE	---
DESIGN LINE	—
FUTURE DESIGN LINE	- - - - -
EXISTING SURFACE AT RIGHT BOUNDARY	---
RIGHT LIP OF KERB	- - - - -
EXISTING SURFACE AT LEFT BOUNDARY	---
LEFT LIP OF KERB	- - - - -



CHAINAGE	EXISTING SURFACE	EXISTING SURFACE AT LEFT BOUNDARY	LEFT LIP OF KERB	EXISTING SURFACE AT RIGHT BOUNDARY	RIGHT LIP OF KERB	DESIGN CENTRELINE
0.000	385.283					
10.000	385.565					385.741
11.950	385.597	385.759	385.631	385.426	385.631	385.732
20.000	385.618	385.819	385.591	385.416	385.591	385.691
29.200	385.670	385.901	385.615	385.429	385.615	385.615
30.000	385.670	385.897	385.611	385.422	385.611	385.611
30.366	385.670	385.894	385.599	385.444	385.599	385.611
34.015	385.686	385.859	385.572	385.443	385.572	385.612
40.000	385.608	385.740	385.429	385.408	385.429	385.530
44.645	385.516	385.612	385.332	385.362	385.332	385.432
45.366	385.503	385.593	385.314	385.353	385.314	385.415
50.000	385.472	385.483	385.284	385.263	385.284	385.384
50.724	385.472	385.469	385.269	385.249	385.269	385.369
54.053	385.338	385.323	385.047	385.174	385.047	385.147
60.000	384.977	385.066	384.806	384.902	384.806	384.706
60.366	384.970	385.049	384.789	384.885	384.789	384.890
65.882	384.666	384.711	384.541	384.648	384.541	384.641
66.617	384.636	384.623	384.508	384.617	384.508	384.608
70.000	384.520	384.511	384.356	384.520	384.356	384.456
79.549	384.241	384.271	383.266	384.288	383.266	384.026
80.000	384.225	384.251	383.266	384.264	383.266	384.006
87.049	384.014	384.089	383.661	384.030	383.661	383.755
90.000	383.958	384.016	383.683	383.960	383.683	383.684
92.132	383.917	383.983	383.540	383.914	383.540	383.610
92.572	383.916	383.976	383.540	383.914	383.540	383.610
94.549	383.882	383.882	383.614	383.882	383.614	383.614
94.681	383.881	383.881	383.614	383.881	383.614	383.614
100.000	383.785					383.559
105.030	383.703					383.509

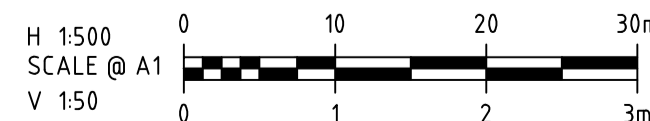
TANNERY WAY LONGITUDINAL SECTION



APPROVED  
By Basir Azizi at 8:43 am, Jul 05, 2024

C:\3265\4414\553\3265-01-200\B\_S.dwg 7/2/2024 9:28 AM KEULLEE

REV	DATE	DRN	CKD	APP	AMENDMENT
B	02.07.24	KCL			REMOVED EVERGREEN BOULEVARD LS
A	07.02.24	NT	KCL	B. J-MONCK	INITIAL ISSUE



**COPYRIGHT**  
The concepts and information contained in this document are the Copyright of Cossill & Webley Consulting Engineers. Use or copying of the document in whole or part without the written permission of Cossill & Webley Consulting Engineers constitutes an infringement of copyright.  
This plan is not to be used for construction unless issued as revision 0 or higher

**Cossill & Webley**  
CONSULTING ENGINEERS  
Street Address  
Level 20, 300 St Kilda Road W cossillwebley.com.au  
Melbourne VIC 3004 T (03) 8548 1560  
E Melbourne.Reception@cosweb.com.au

**JINDING**  
APPROVED PE 0005549  
DESIGNED A. MAY  
SCALE H 1:500 V 1:50

PROJECT	BROADSTEAD - STAGE 01
TITLE	ROAD LONGITUDINAL SECTIONS (SHEET 4 OF 5)
MUNICIPALITY	MITCHELL SHIRE COUNCIL
PP No.	PLP430/22
DRAWING No.	3265-01-203
REVISION	B

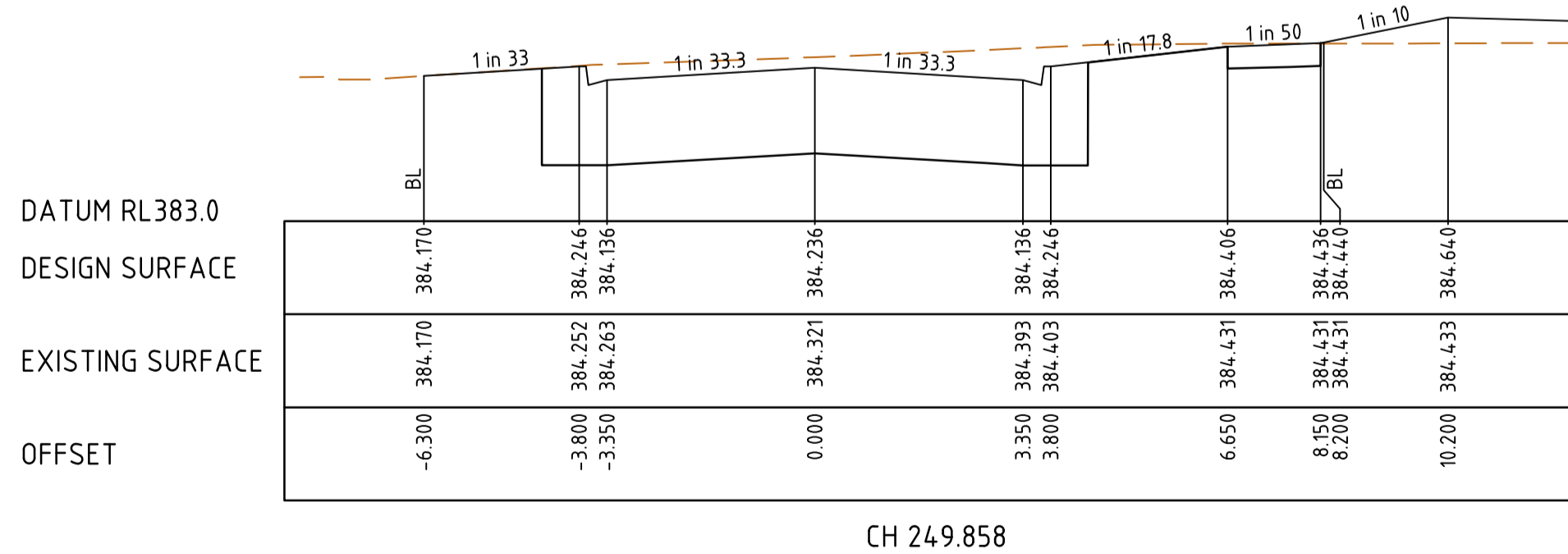
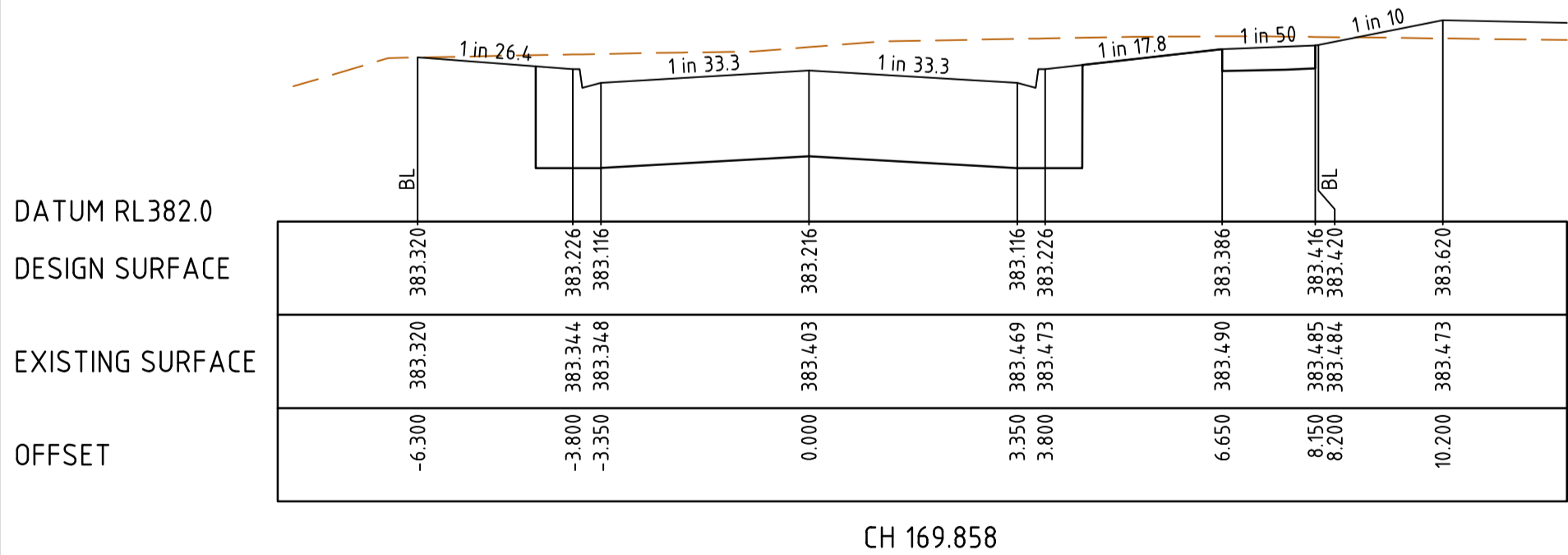
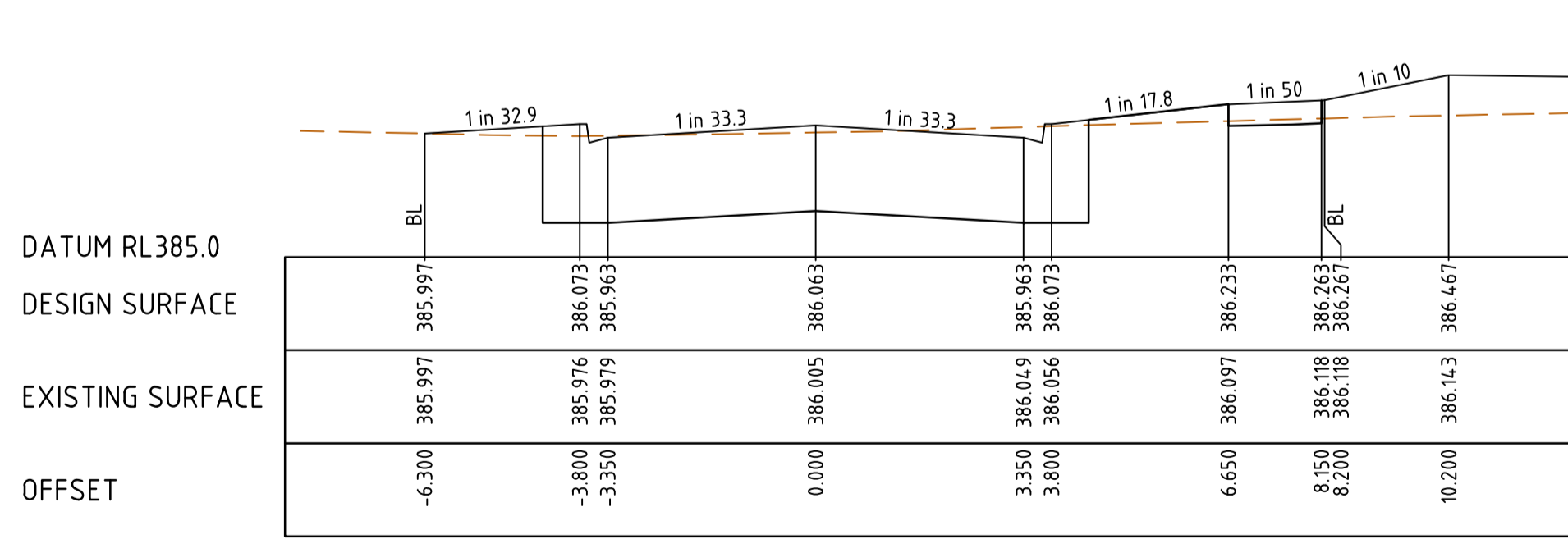
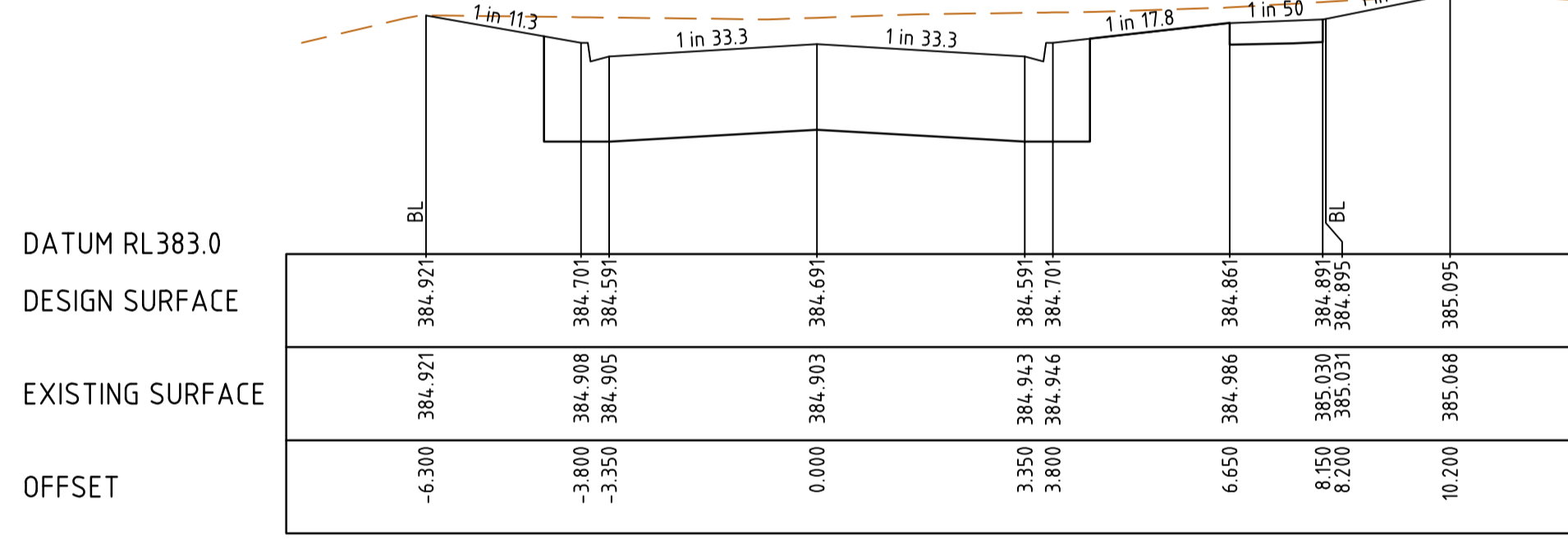
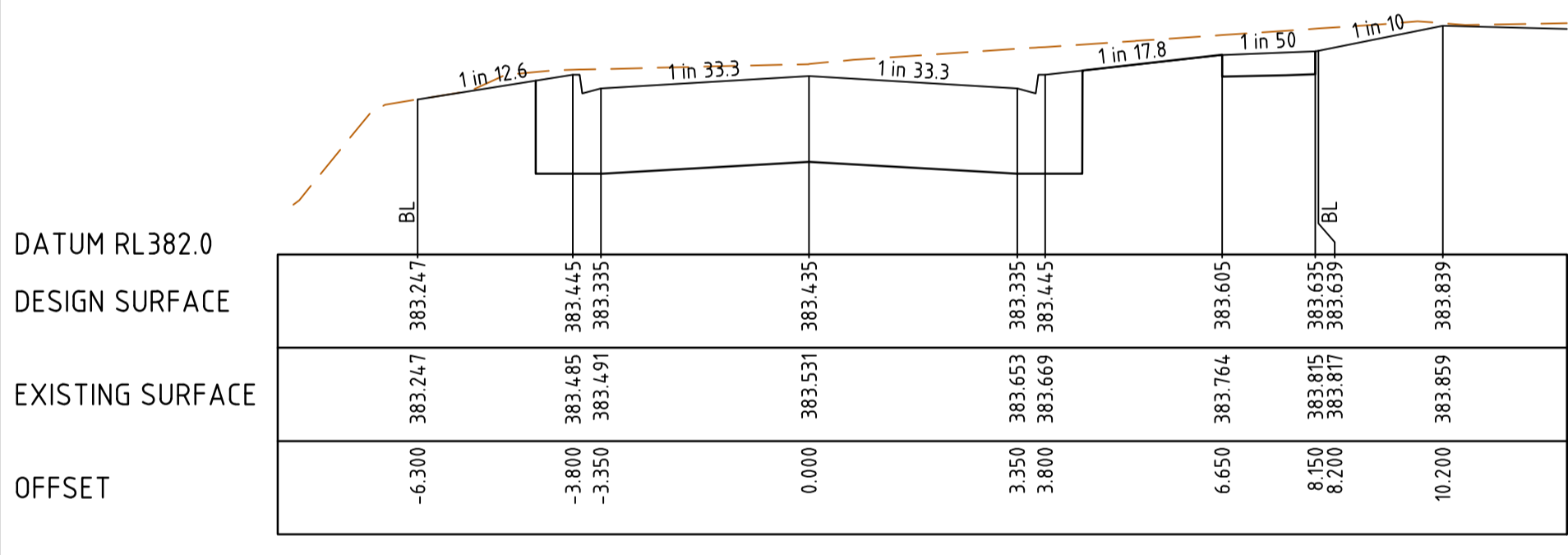
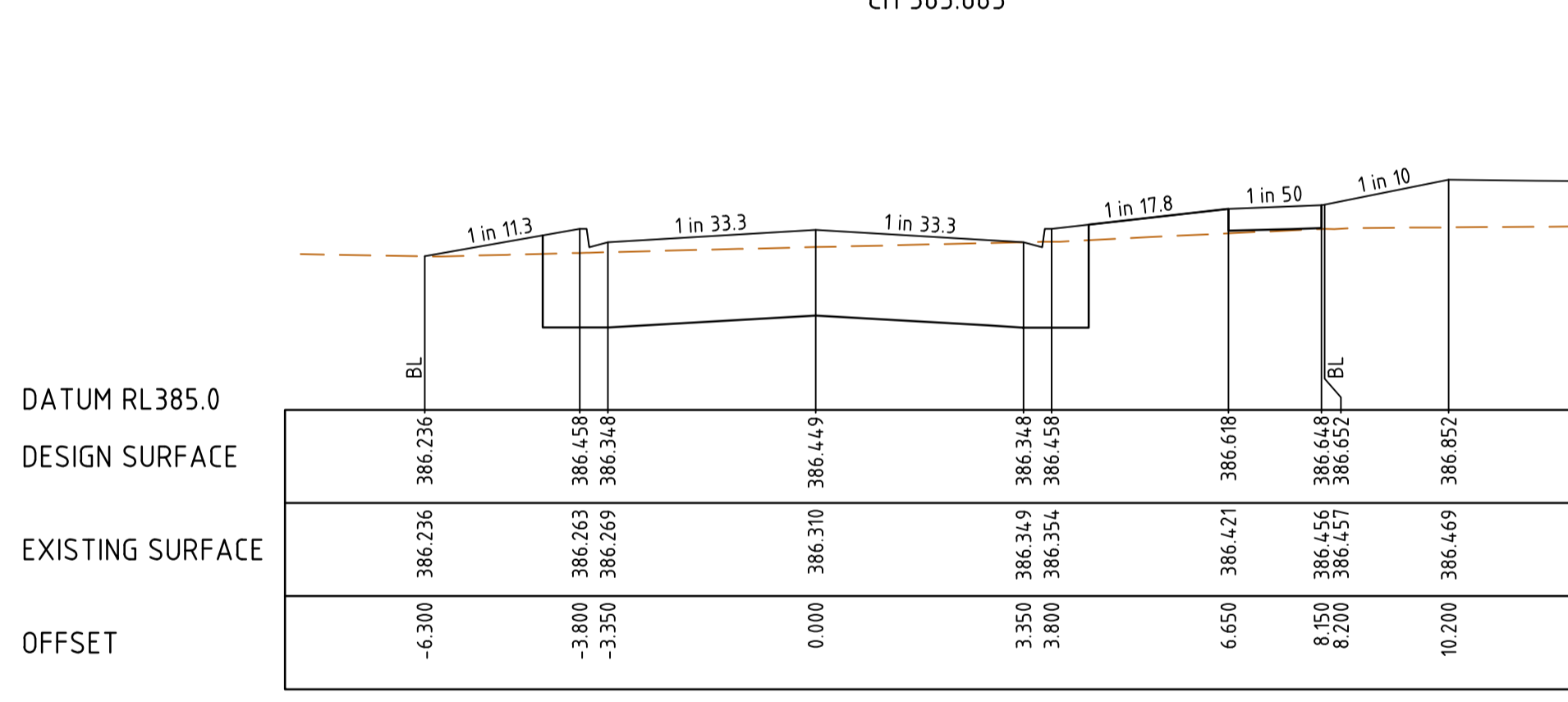
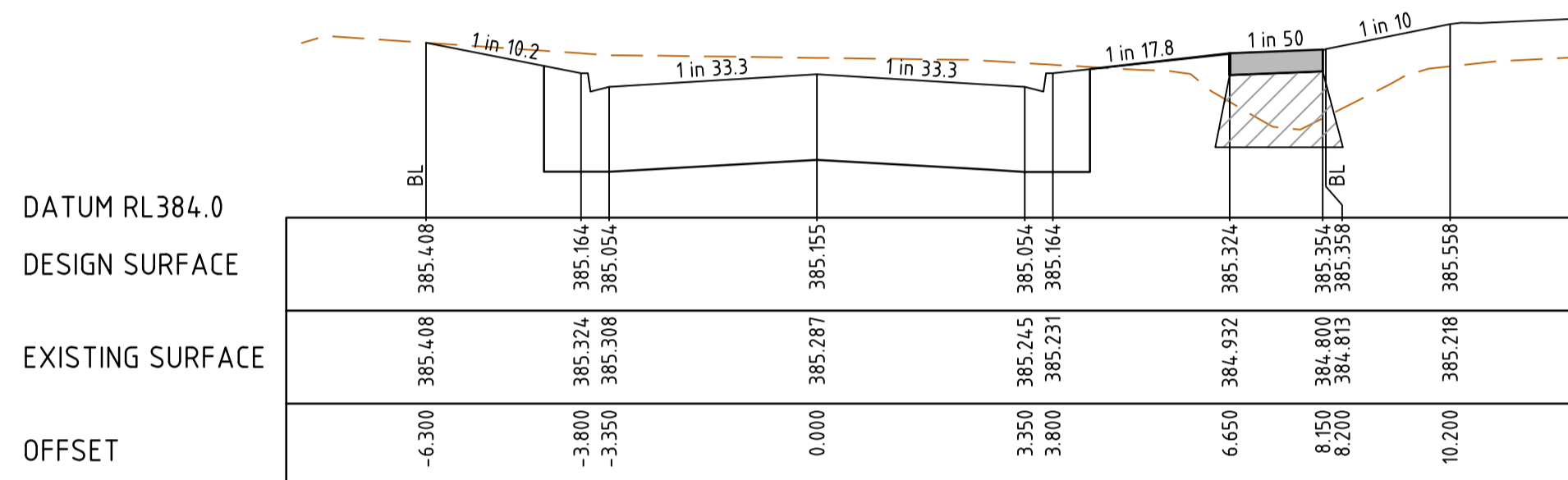
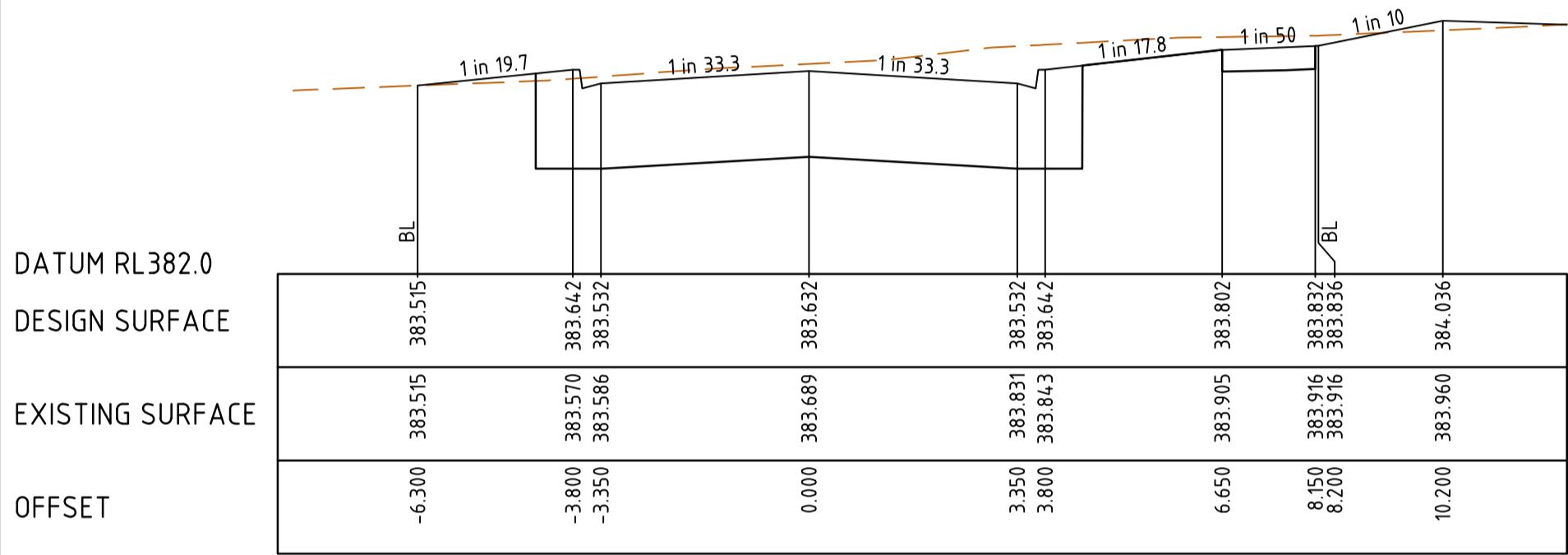
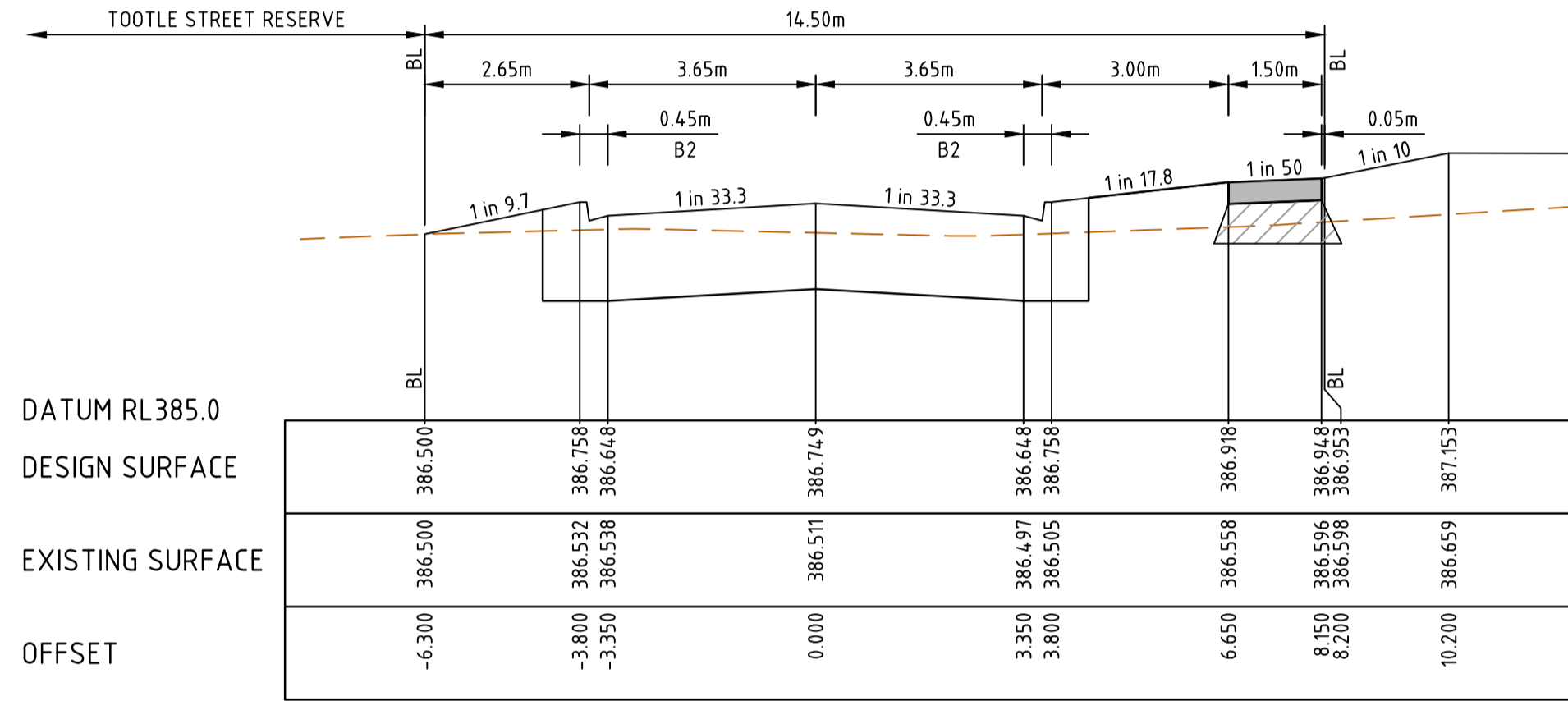
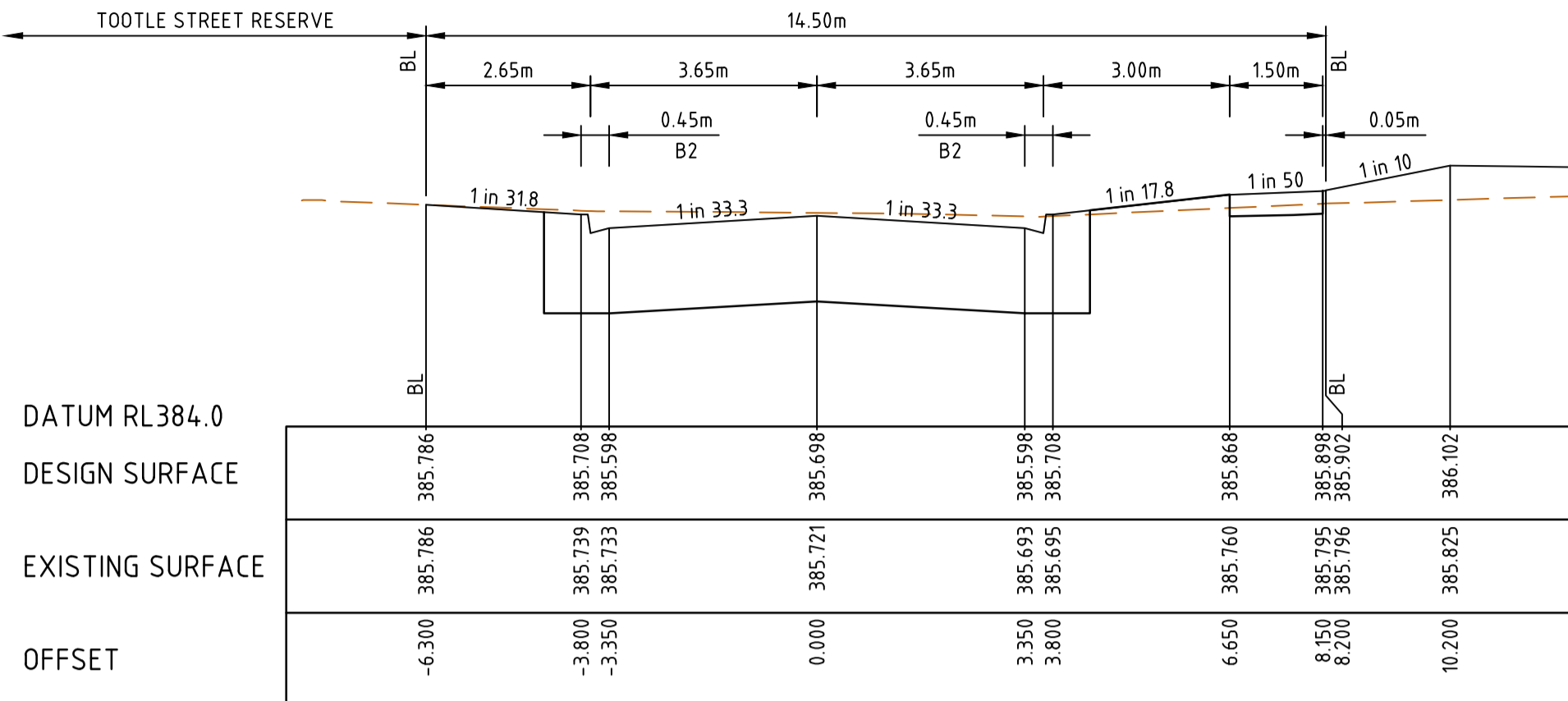
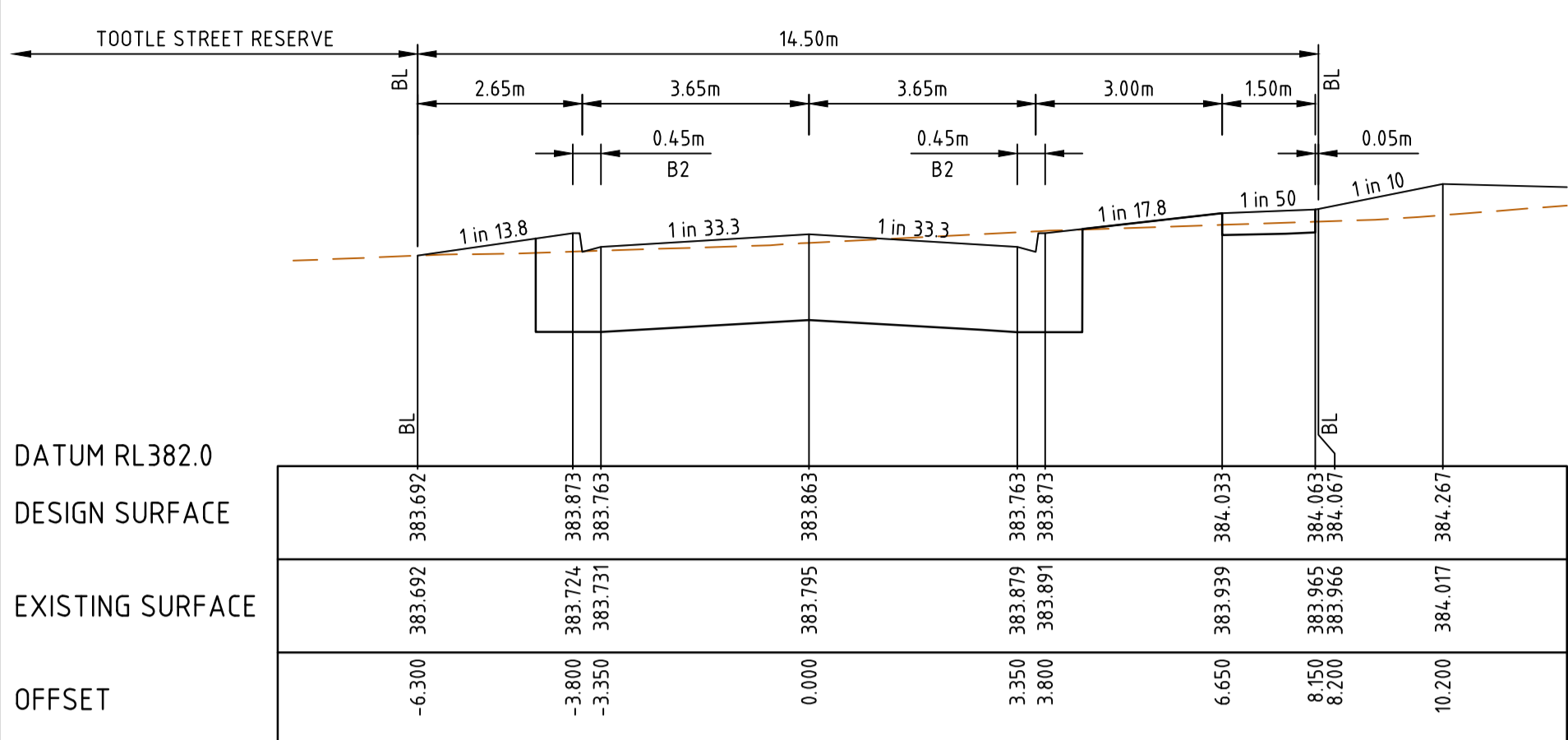
ORIGINAL SIZE A1





**LEGEND**

- EXISTING SURFACE
- DESIGN SURFACE
- ▨ COMPACTED STRUCTURAL FILL IN ACCORDANCE WITH THE RELEVANT SPECIFICATION



**BURSARIA TERRACE - ROAD CROSS SECTIONS**

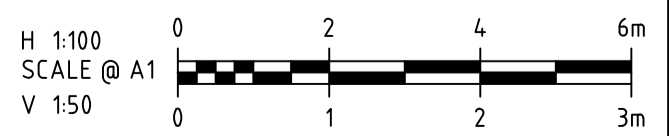
C:\3265\4474\15303\3265-01\_251\Drawings\Road\3265-01-251-RCS.dwg 14/7/2024 10:39 AM MWFA\_TJ@BUENA

B	04.04.24	NT	<i>[Signature]</i>	KERB TYPE REVISED & CROSS SECTIONS UPDATED	
A	07.02.24	NT	KCL B. J-MONCK	INITIAL ISSUE	
REV	DATE	DRN	CKD	APP	AMENDMENT

**MITCHELL SHIRE COUNCIL**

**APPROVED PLAN**

**APPROVED**  
By Basir Azizi at 8:43 am, Jul 05, 2024



**COPYRIGHT**  
The concepts and information contained in this document are the Copyright of Cossill & Webley Consulting Engineers. Use or copying of the document in whole or part without the written permission of Cossill & Webley Consulting Engineers constitutes an infringement of copyright.

This plan is not to be used for construction unless issued as revision 0 or higher

**CW Cossill & Webley CONSULTING ENGINEERS**

Street Address  
Level 20, 360 St Kilda Road W cossillwebley.com.au  
Melbourne VIC 3004 T (03) 8548 1560  
E Melbourne.Reception@cosweb.com.au

**JINDING**

APPROVED PE 0005549

DESIGNED  
*[Signature]*

SCALE  
H 1:100 V 1:50

PROJECT  
BROADSTEAD - STAGE 01

TITLE  
ROAD CROSS SECTIONS (SHEET 2 OF 10)

MUNICIPALITY  
MITCHELL SHIRE COUNCIL

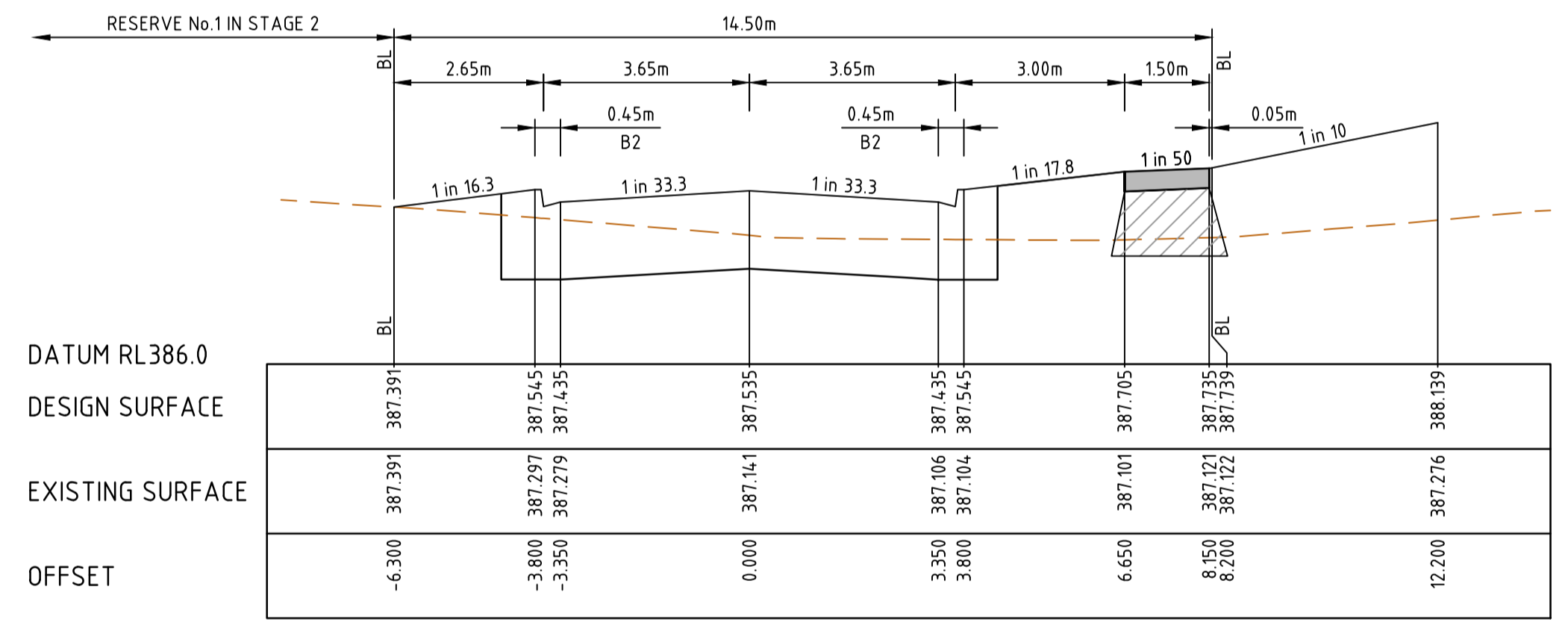
PP No.  
PLP430/22

DRAWING No.  
3265-01-251

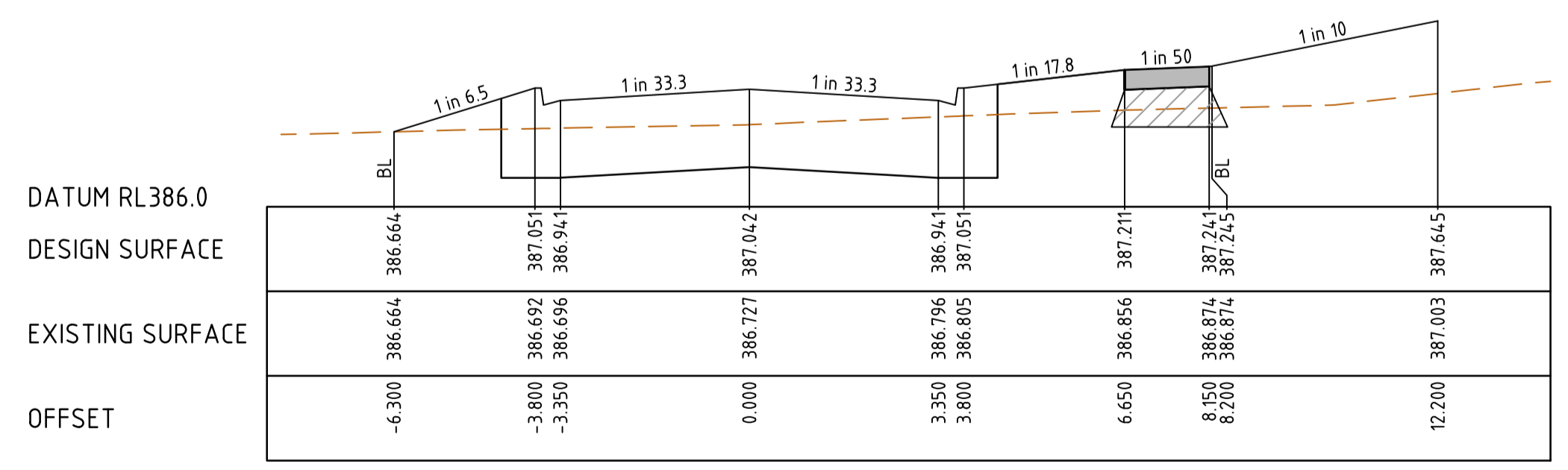
REVISION  
B

ORIGINAL SIZE  
A1

	EXISTING SURFACE
	DESIGN SURFACE
	COMPACTED STRUCTURAL FILL IN ACCORDANCE WITH THE RELEVANT SPECIFICATION



CH 400.024  
(LIMIT OF STAGE 1 WORKS)



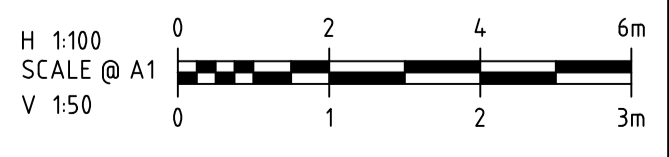
CH 379.854

BURSARIA TERRACE - ROAD CROSS SECTIONS



C:\3265\4418\1530\3265-01-250\Drawings\Road\3265-01-250-RCS.dwg 14/07/2024 10:39 AM MWFA TABURUA

B	04.04.24	NT		KERB TYPE REVISED & CROSS SECTIONS UPDATED
A	07.02.24	NT	KCL	B. J-MONCK
REV	DATE	DRN	CKD	APP
				AMENDMENT



**COPYRIGHT**  
The concepts and information contained in this document are the Copyright of Cossill & Webley Consulting Engineers. Use or copying of the document in whole or part without the written permission of Cossill & Webley Consulting Engineers constitutes an infringement of copyright.  
This plan is not to be used for construction unless issued as revision 0 or higher

**CW Cossill & Webley**  
CONSULTING ENGINEERS  
Street Address  
Level 20, 350 St Kilda Road W cossillwebley.com.au  
Melbourne VIC 3004 T (03) 8548 1560  
E Melbourne.Reception@cosweb.com.au

**JINDING**  
APPROVED PE 0005549

DESIGNED  
A. MAY  
SCALE  
H 1:100 V 1:50

PROJECT	BROADSTEAD - STAGE 01
TITLE	ROAD CROSS SECTIONS (SHEET 3 OF 10)
MUNICIPALITY	MITCHELL SHIRE COUNCIL
PP No.	PLP430/22
DRAWING No.	3265-01-252
REVISION	B

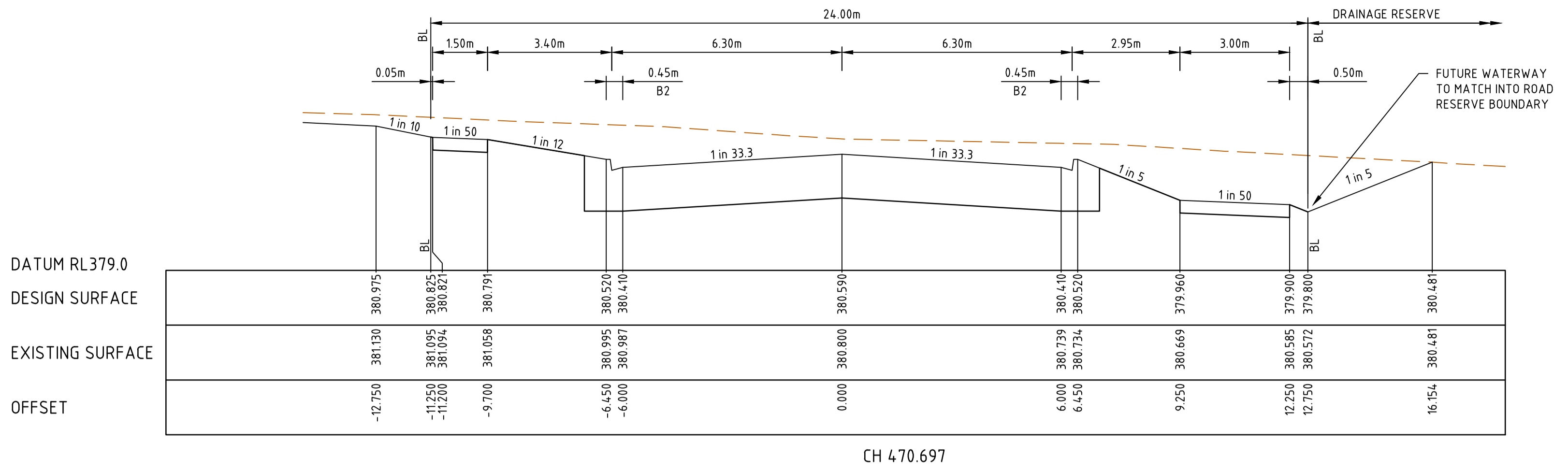
ORIGINAL SIZE A1



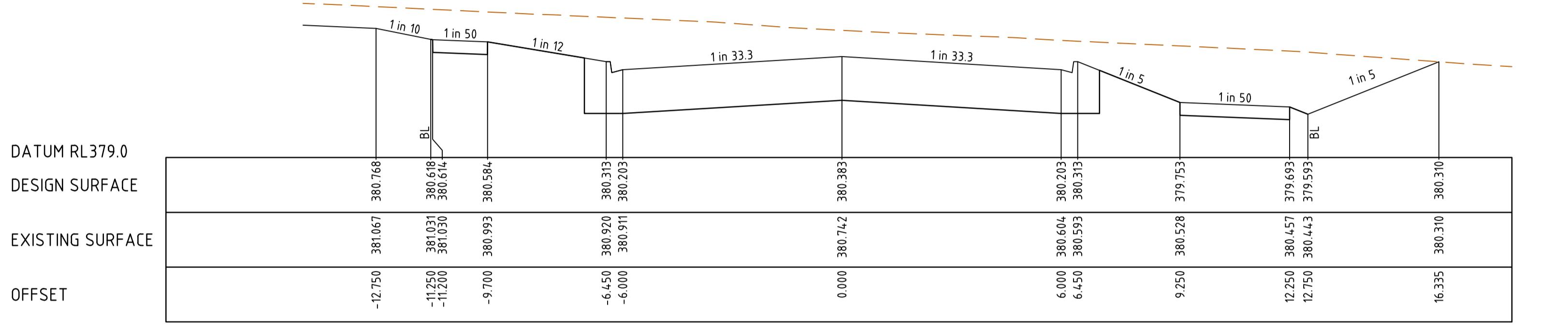


INTERFACE WITH WATERWAY SUBJECT TO UPDATED DESIGN FROM AFFLUX CONSULTING

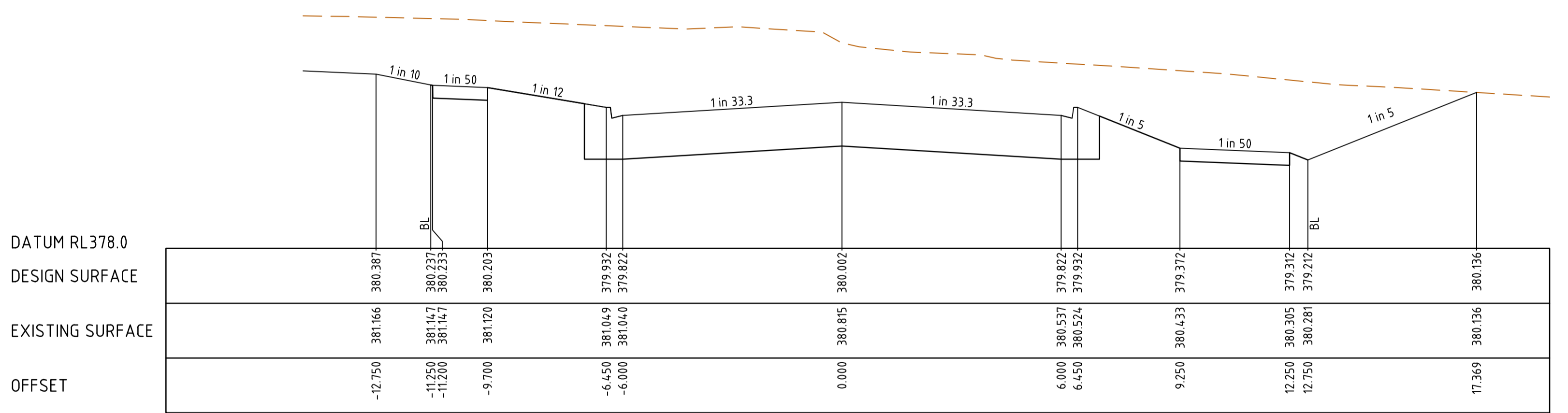
LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	COMPACTED STRUCTURAL FILL IN ACCORDANCE WITH THE RELEVANT SPECIFICATION



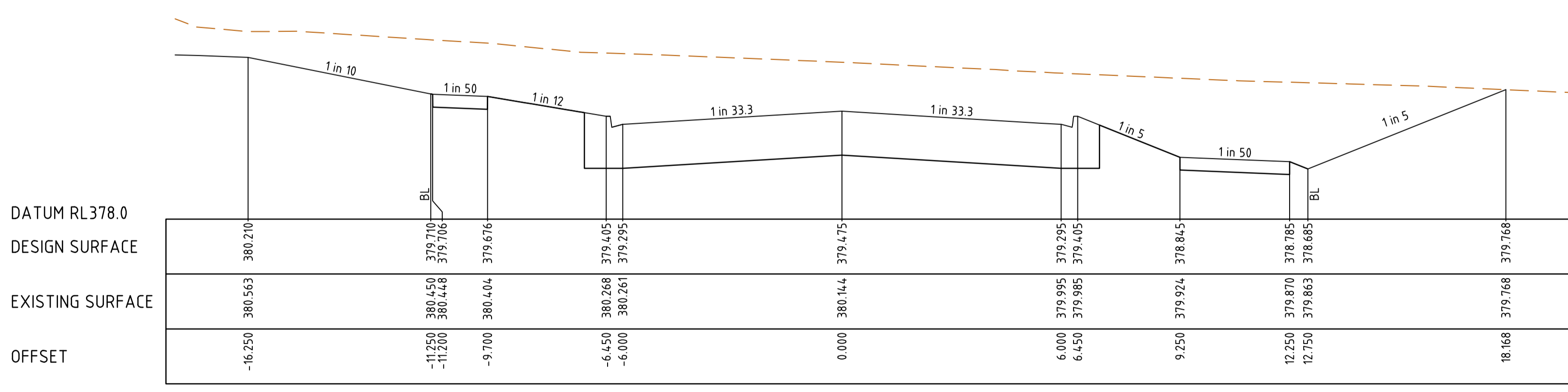
CH 470.697



CH 456.934



CH 431.512



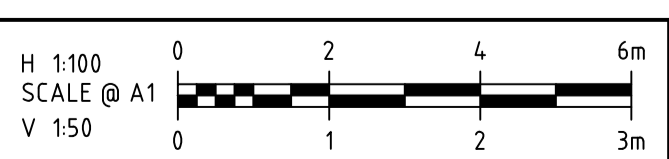
CH 396.355

EVERGREEN BOULEVARD - ROAD CROSS SECTIONS



C:\3265\4474\15303\3265-01-255\Reception\4474\2024-10-31 AM\MPA\_T18UBUNA

REV	DATE	DRN	CKD	APP	AMENDMENT
B	04.04.24	NT			KERB TYPE REVISED & CROSS SECTIONS UPDATED
A	07.02.24	NT	KCL	B. J-MONCK	INITIAL ISSUE



**COPYRIGHT**  
The concepts and information contained in this document are the Copyright of Cossill & Webley Consulting Engineers. Use or copying of the document in whole or part without the written permission of Cossill & Webley Consulting Engineers constitutes an infringement of copyright.

This plan is not to be used for construction unless issued as revision 0 or higher

**CW Cossill & Webley CONSULTING ENGINEERS**  
Street Address  
Level 20, 360 St Kilda Road W cossillwebley.com.au  
Melbourne VIC 3004 T (03) 8548 1560  
E Melbourne.Reception@cosweb.com.au

**JINDING**

APPROVED PE 0005549

DESIGNED  
A. MAY  
SCALE  
H 1:100 V 1:50

PROJECT	TITLE	MUNICIPALITY	PP No.	DRAWING No.	REVISION
BROADSTEAD - STAGE 01	ROAD CROSS SECTIONS (SHEET 6 OF 10)	MITCHELL SHIRE COUNCIL	PLP430/22	3265-01-255	B

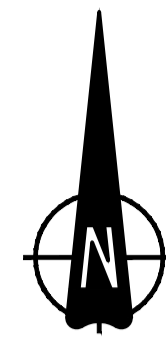
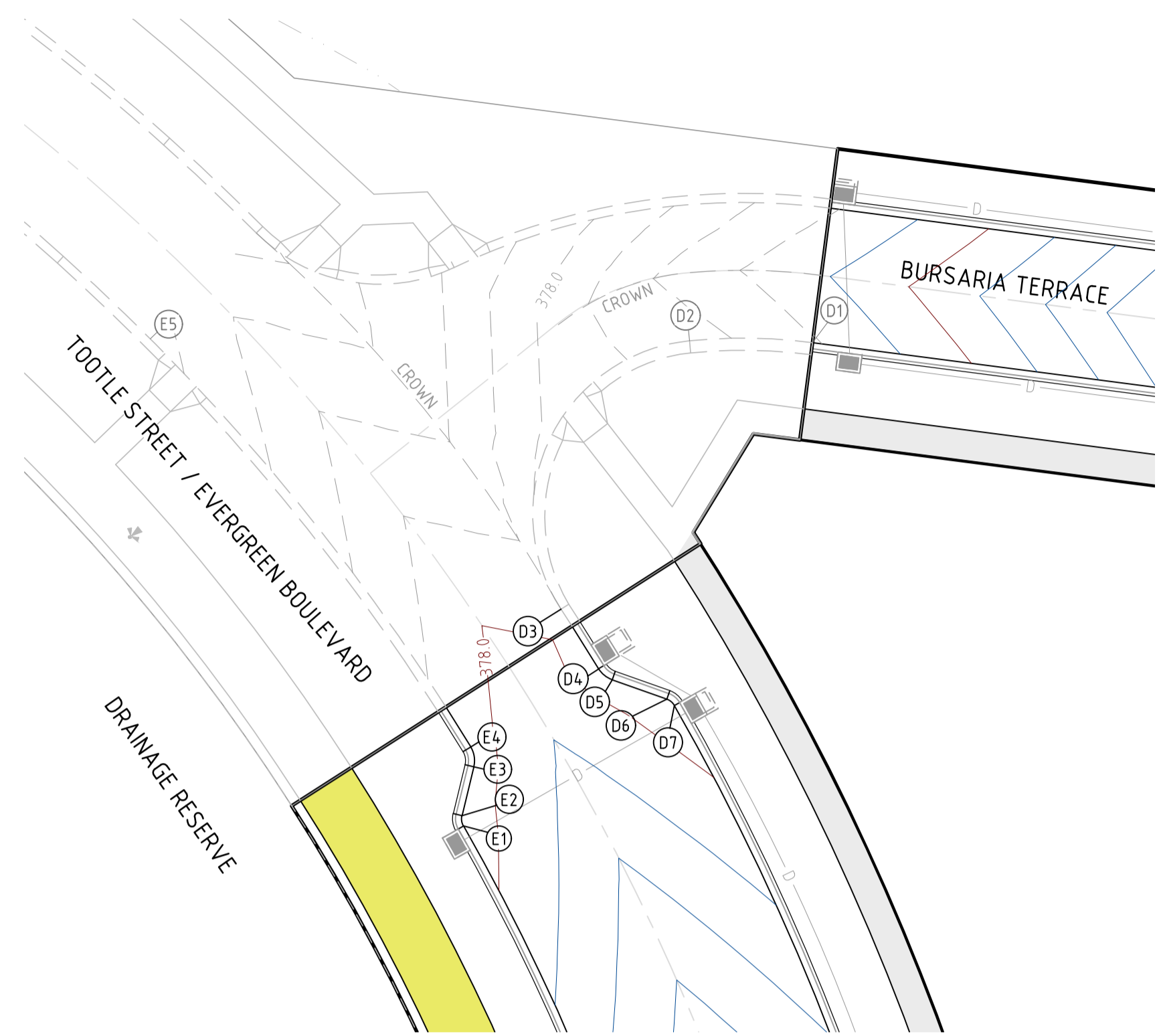
ORIGINAL SIZE A1







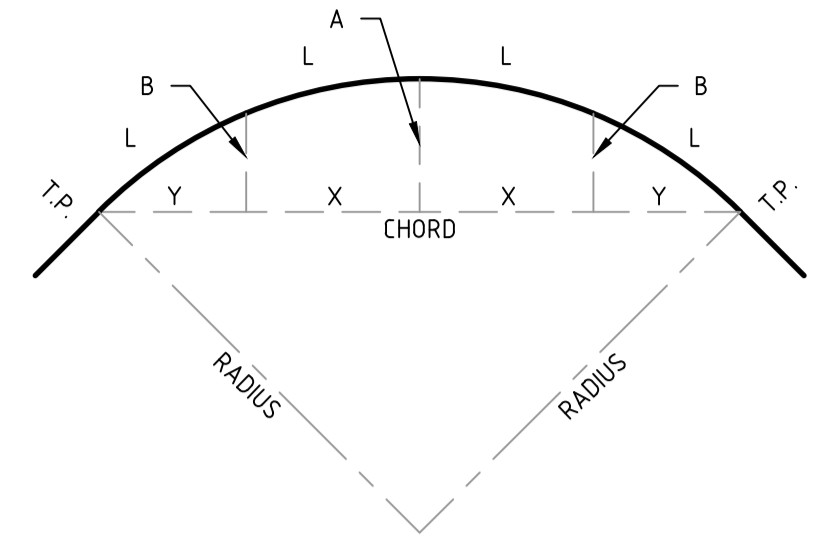




**INTERSECTION OF TOOTLE STREE / EVERGREEN BOULEVARD & BURSARIA TERRACE**

H 1:250  
SCALE @ A1

LEGEND		
DESCRIPTION	EXISTING	PROPOSED
CENTRAL INVERT	--->--->---	--->--->---
STORMWATER DRAIN AND PIT	--->--->---	--->--->---
AG DRAIN	--->--->---	--->--->---
PAVEMENT CONTOUR MINOR	---51.20---	---
PAVEMENT CONTOUR MAJOR	---52.00---	---



**SETOUT DETAIL**  
N.T.S.

**ALIGNMENT D**

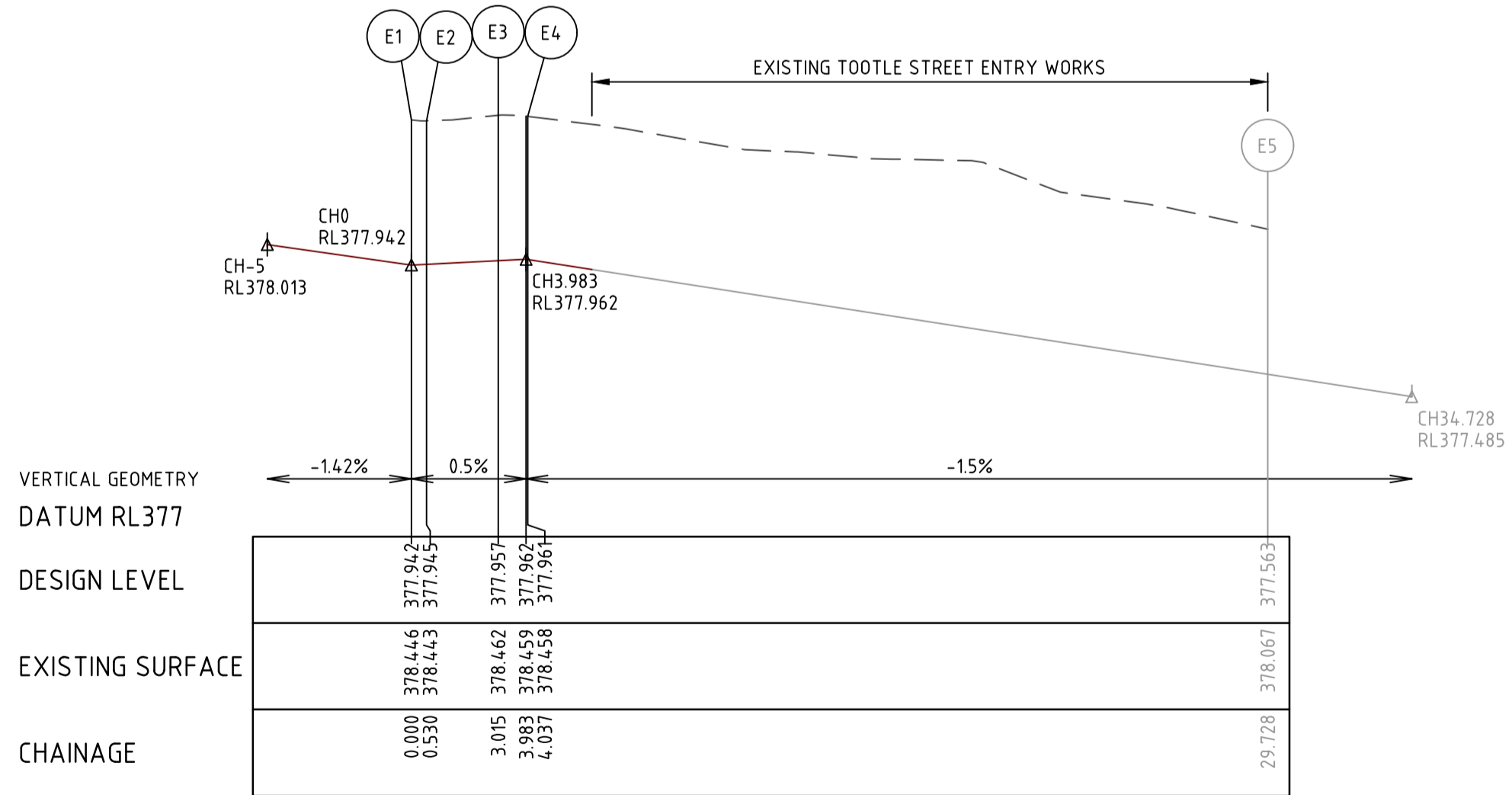
Point no	Easting	Northing	RL
D1	319807.776	5868504.748	378.294
D2	319801.693	5868504.839	378.157
D3	319795.345	5868491.581	377.967
D4	319797.212	5868488.625	377.961
D5	319797.876	5868488.091	377.962
D6	319800.575	5868487.134	377.945
D7	319800.947	5868486.821	377.942

Curve no	l	Radius	Arc	A	B	X	Y	l	Mid point RL
D1 - D2	13.108	26.650	6.097	0.174	0.131	1.523	1.518	1.524	378.221
D2 - D3	117.428	8.600	17.626	4.134	3.030	4.216	3.133	4.406	378.026
D3 - D4	1.713	116.917	3.496	0.013	0.010	0.874	0.874	0.874	377.958
D4 - D5	38.530	1.293	0.869	0.072	0.054	0.216	0.210	0.217	377.964
D6 - D7	40.941	0.696	0.497	0.044	0.033	0.124	0.120	0.124	377.944

**ALIGNMENT E**

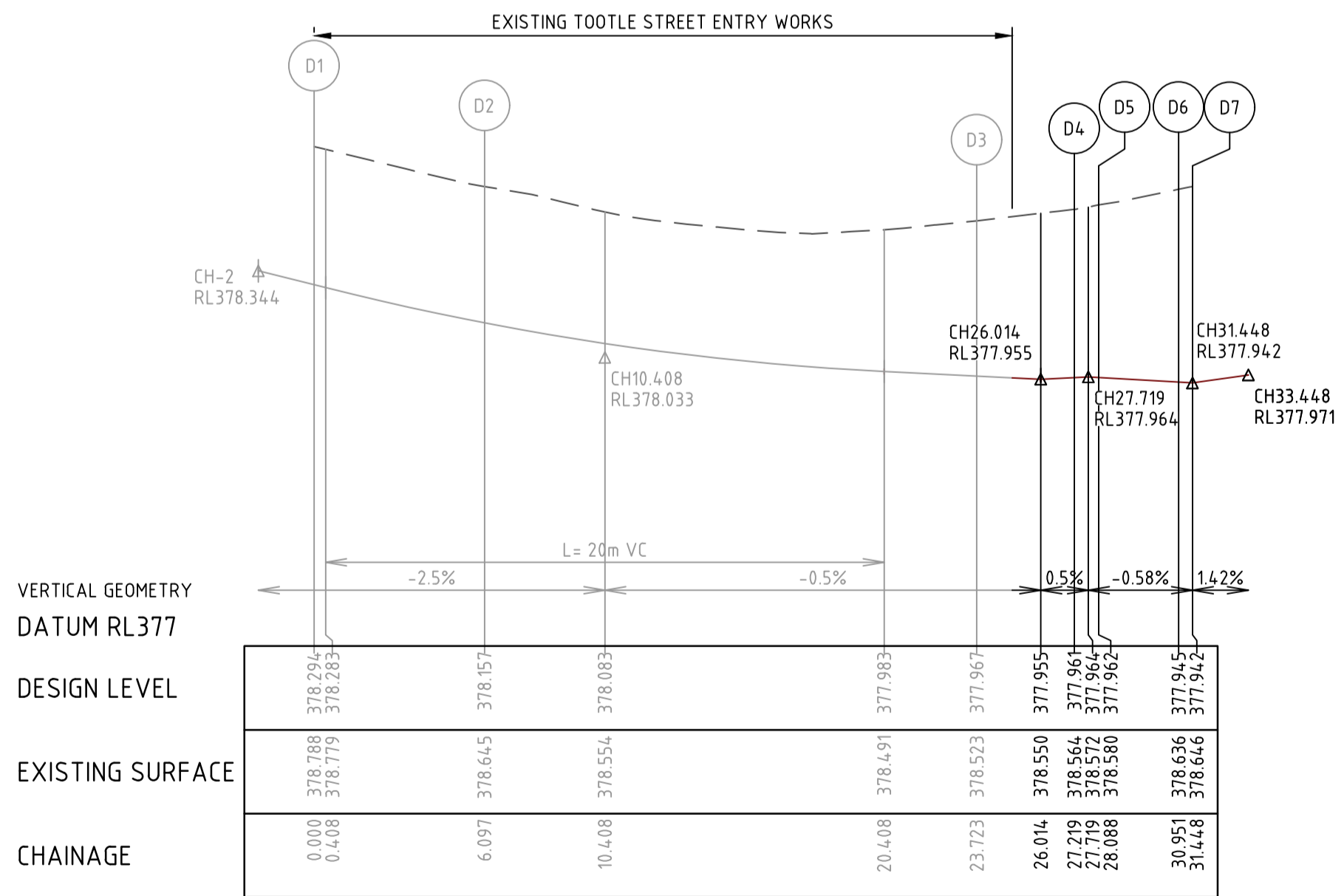
Point no	Easting	Northing	RL
E1	319790.528	5868480.870	377.942
E2	319790.455	5868481.383	377.945
E3	319791.042	5868483.797	377.957
E4	319790.888	5868484.782	377.961
E5	319775.048	5868504.933	377.563

Curve no	l	Radius	Arc	A	B	X	Y	l	Mid point RL
E1 - E2	43.381	0.700	0.530	0.050	0.037	0.132	0.127	0.133	377.944
E3 - E4	45.068	1.300	1.023	0.099	0.074	0.254	0.244	0.256	377.960
E4 - E5	13.497	109.055	25.691	0.756	0.567	6.419	6.397	6.423	377.762



**LIP LINE E**

H 1:200  
SCALE @ A1  
V 1:20



**LIP LINE D**



C:\3265\4414\523\3265-01\_1021\Design\A1\3265-01-300\INT.dwg 5/2/2024 10:20 AM KEEL LEE

REV	DATE	DRN	CKD	APP	AMENDMENT
B	04.04.24	NT			KERB TYPE & TITLEBLOCK UPDATED
A	07.02.24	NT	KCL	B. J-MONCK	INITIAL ISSUE

**COPYRIGHT**  
The concepts and information contained in this document are the Copyright of Cossill & Webley Consulting Engineers. Use or copying of the document in whole or part without the written permission of Cossill & Webley Consulting Engineers constitutes an infringement of copyright.

This plan is not to be used for construction unless issued as revision 0 or higher

**Cossill & Webley**  
CONSULTING ENGINEERS

Street Address  
Level 20, 390 St Kilda Road W cossillwebley.com.au  
Melbourne VIC 3004 T (03) 8548 1560  
E Melbourne.Reception@cosweb.com.au

**JINDING**

APPROVED: PE 0005549

DESIGNED  
A. MAY

SCALE  
AS SHOWN

PROJECT  
BROADSTEAD - STAGE 01

TITLE  
INTERSECTION DETAILS (SHEET 1 OF 5)

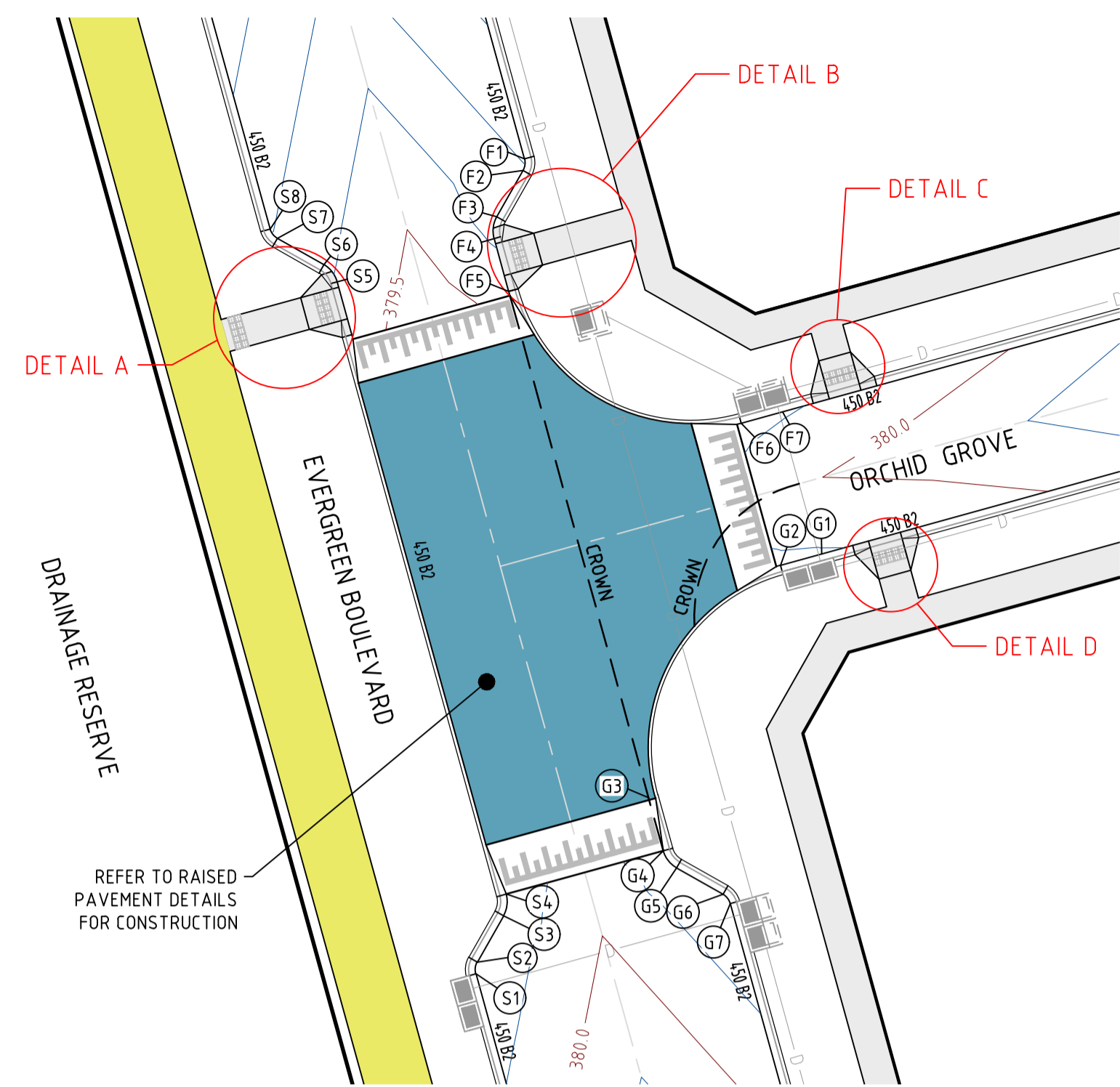
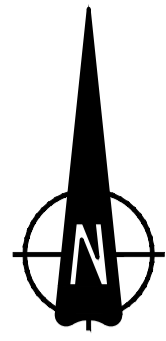
MUNICIPALITY  
MITCHELL SHIRE COUNCIL

PP No.  
PLP430/22

DRAWING No.  
3265-01-300

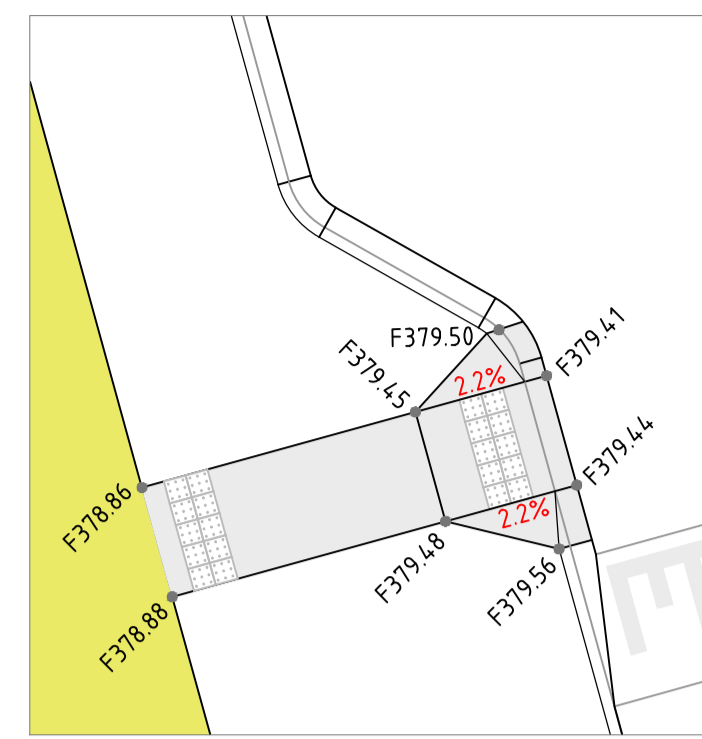
REVISION  
B

ORIGINAL SIZE A1

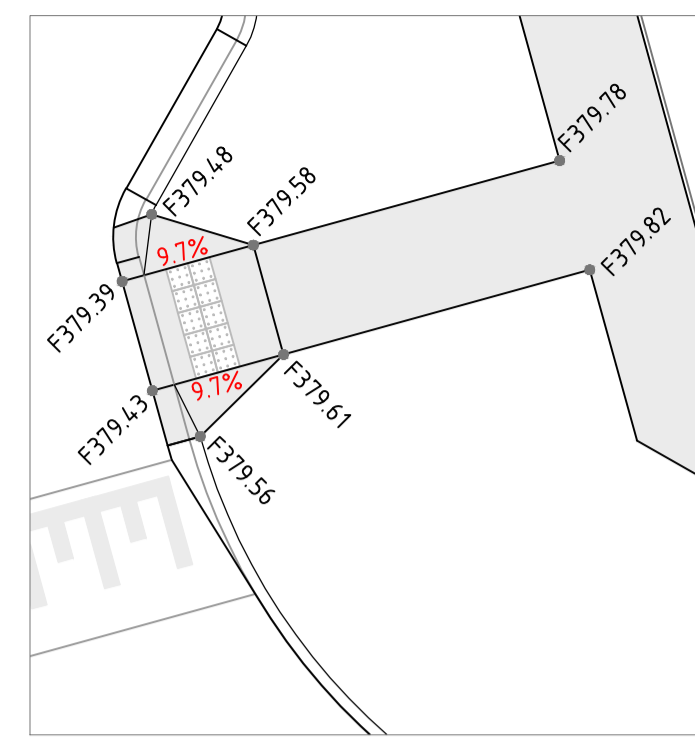


**INTERSECTION OF EVERGREEN BOULEVARD & ORCHID GROVE**

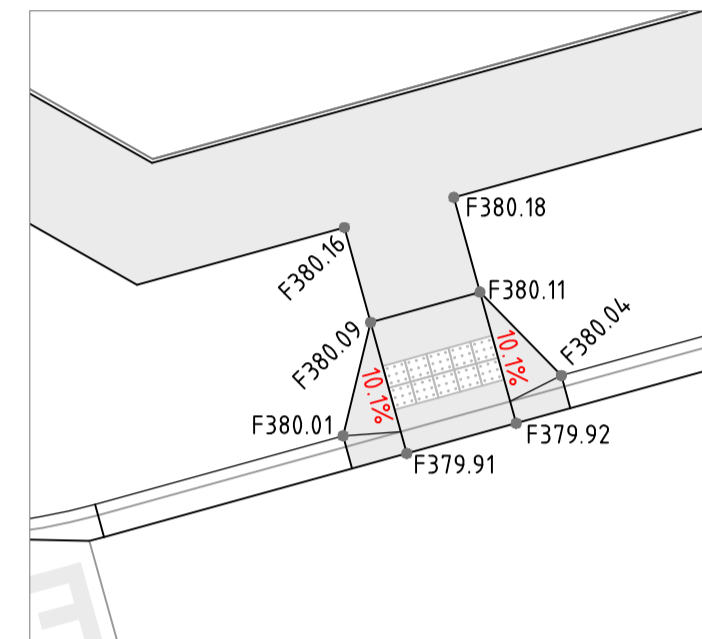
H 1:250  
SCALE @ A1



**DETAIL A**



**DETAIL B**

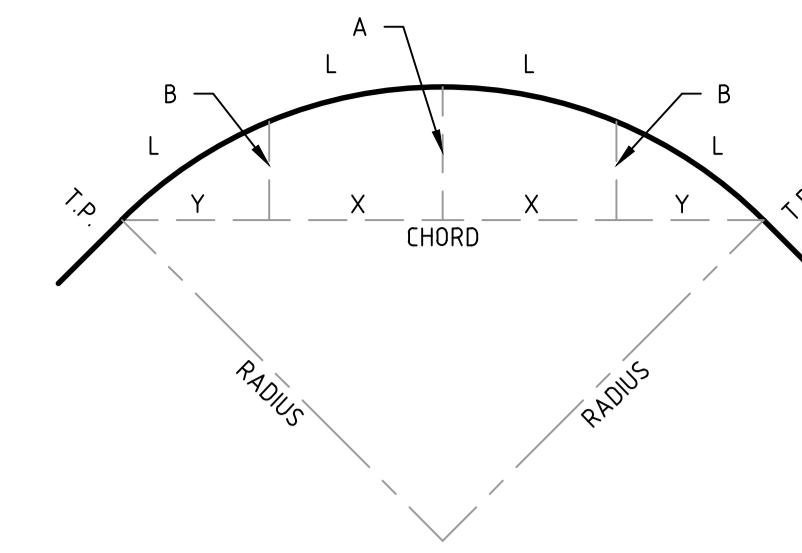


**DETAIL C**



**DETAIL D**

H 1:100  
SCALE @ A1



**SETOUT DETAIL**

N.T.S.

**LEGEND**

DESCRIPTION	EXISTING	PROPOSED
CENTRAL INVERT	---	---
STORMWATER DRAIN AND PIT	---	---
AG DRAIN	---	---
PAVEMENT CONTOUR MINOR	---	---
PAVEMENT CONTOUR MAJOR	---	---

**ALIGNMENT F**

Point no	Easting	Northing	RL
F1	319828.809	5868399.744	379.295
F2	319828.743	5868399.213	379.308
F3	319827.547	5868397.105	379.365
F4	319827.425	5868396.116	379.389
F5	319828.090	5868393.707	379.448
F6	319838.670	5868387.707	379.868
F7	319840.549	5868388.226	379.891

Curve no	l	Radius	Arc	A	B	X	Y	l	Mid point	RL
F1 - F2	45.023	0.699	0.550	0.053	0.040	0.137	0.131	0.137	379.301	
F3 - F4	45.003	1.301	1.022	0.099	0.074	0.254	0.244	0.255	379.377	
F5 - F6	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	379.660	

**ALIGNMENT G**

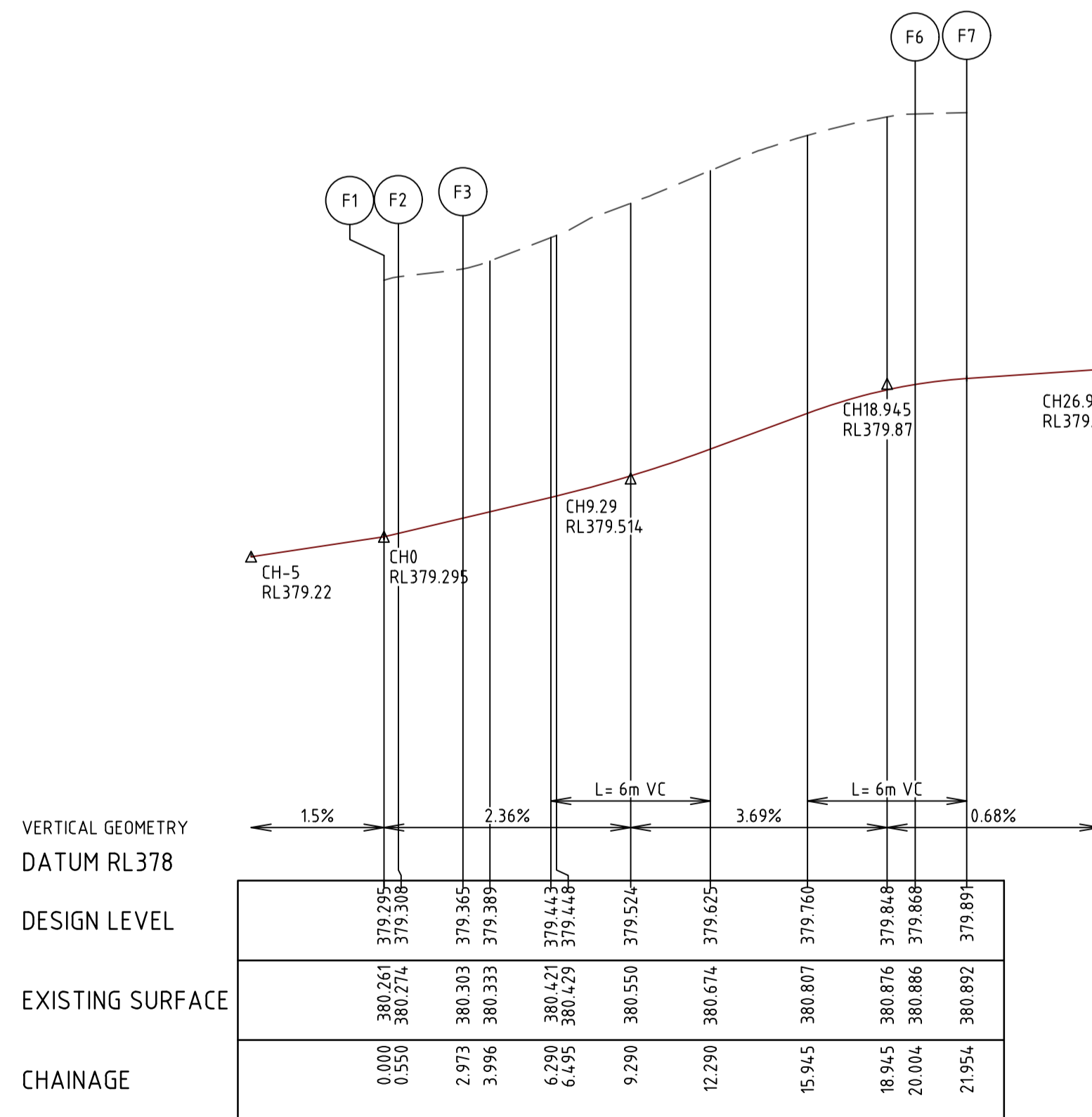
Point no	Easting	Northing	RL
G1	319842.333	5868381.768	379.892
G2	319840.453	5868381.248	379.882
G3	319834.453	5868370.669	379.814
G4	319835.118	5868368.260	379.841
G5	319835.730	5868367.475	379.840
G6	319837.839	5868366.279	379.825
G7	319838.168	5868365.856	379.822

Curve no	l	Radius	Arc	A	B	X	Y	l	Mid point	RL
G2 - G3	89.995	8.600	13.508	2.519	1.864	3.291	2.790	3.377	379.848	
G4 - G5	45.001	1.300	1.021	0.099	0.074	0.254	0.244	0.255	379.844	
G6 - G7	45.019	0.699	0.549	0.053	0.040	0.136	0.131	0.137	379.824	

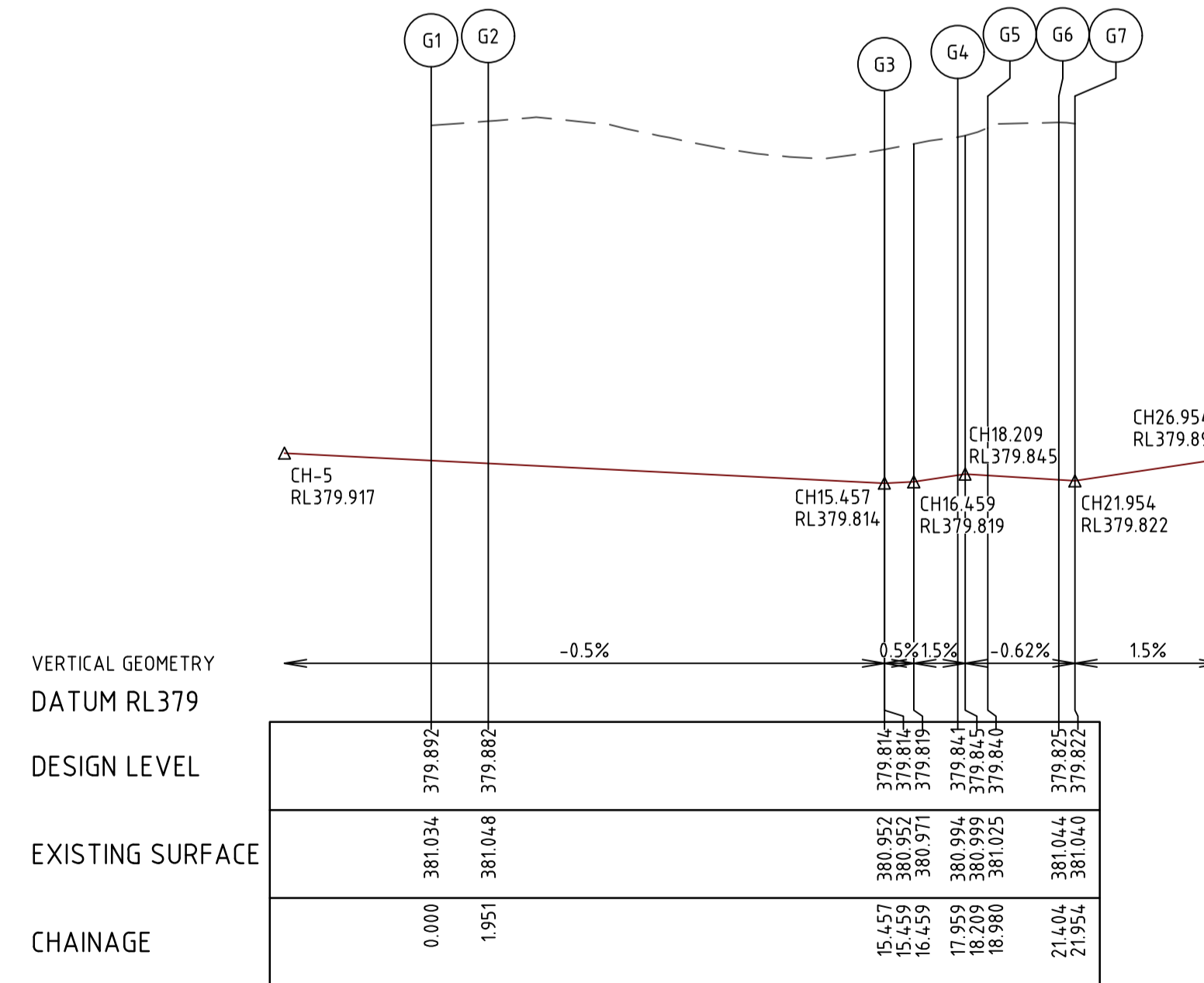
**ALIGNMENT S**

Point no	Easting	Northing	RL
S1	319826.601	5868362.662	379.822
S2	319826.667	5868363.194	379.825
S3	319827.863	5868365.302	379.838
S4	319827.985	5868366.290	379.844
S5	319820.292	5868394.147	379.411
S6	319819.680	5868394.931	379.381
S7	319817.572	5868396.127	379.311
S8	319817.242	5868396.550	379.295

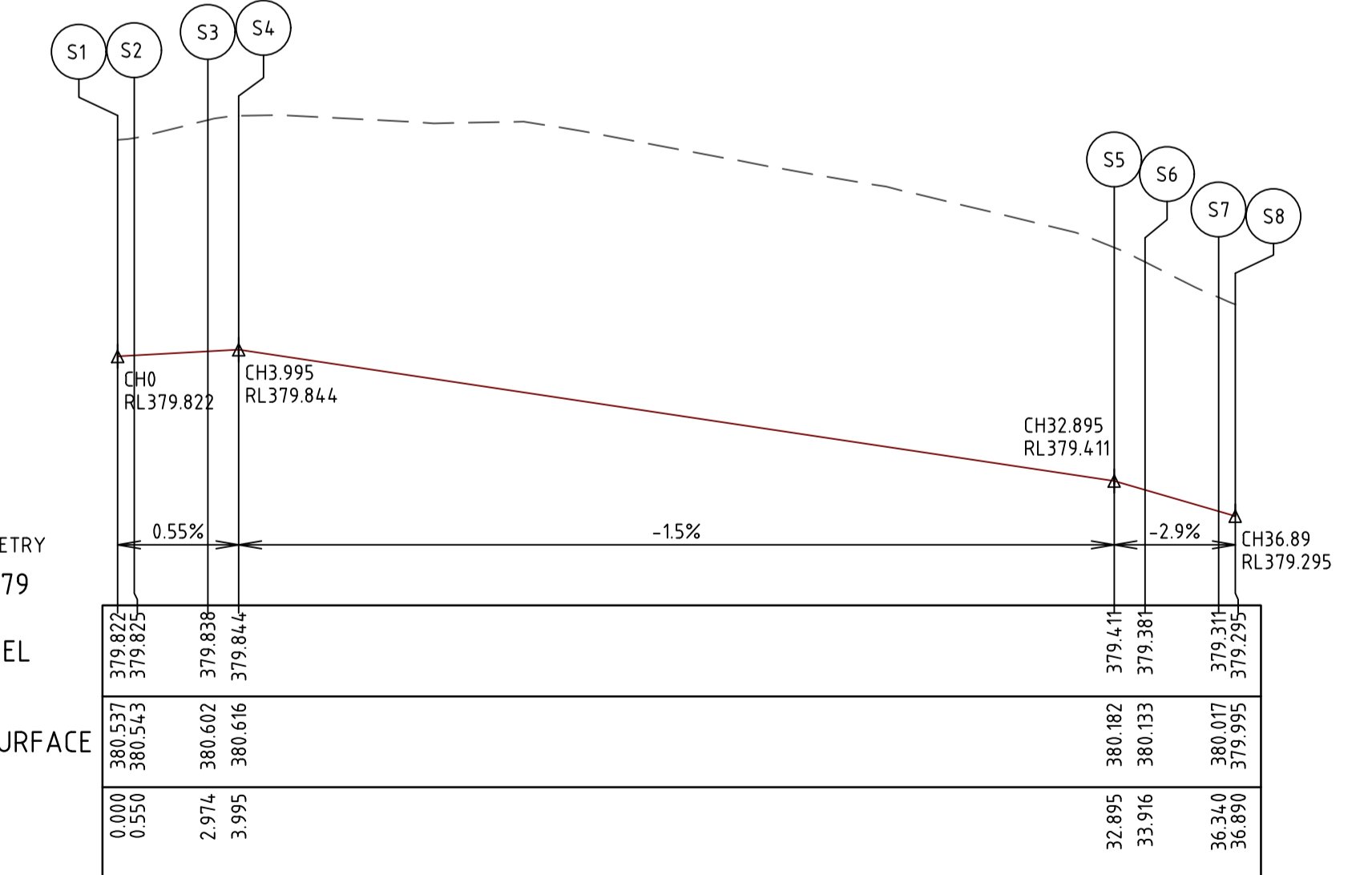
Curve no	l	Radius	Arc	A	B	X	Y	l	Mid point	RL
S1 - S2	44.994	0.700	0.550	0.053	0.040	0.137	0.131	0.137	379.824	
S3 - S4	45.000	1.301	1.022	0.099	0.074	0.254	0.244	0.255	379.841	
S5 - S6	45.000	1.300	1.021	0.099	0.074	0.254	0.244	0.255	379.396	
S7 - S8	44.987	0.700	0.550	0.053	0.040	0.137	0.131	0.137	379.303	



**LIP LINE F**



**LIP LINE G**



**LIP LINE S**

C:\Users\m4145333\OneDrive\Documents\3265-01-300\Drawings\2024\02\2024-02-23 AM REE.LEE

REV	DATE	DRN	CKD	APP	AMENDMENT
B	04.04.24	NT			PRAM CROSSING DETAILS ADDED, KERBS G & S REVISED, KERB TYPES UPDATED
A	07.02.24	NT	KCL	B. J-MONCK	INITIAL ISSUE

**MITCHELL SHIRE COUNCIL**

**APPROVED**  
By Basir Azizi at 8:43 am, Jul 05, 2024

H 1:200  
SCALE @ A1  
V 1:20

**COPYRIGHT**  
The concepts and information contained in this document are the Copyright of Cossill & Webley Consulting Engineers. Use or copying of the document in whole or part without the written permission of Cossill & Webley Consulting Engineers constitutes an infringement of copyright.

This plan is not to be used for construction unless issued as revision 0 or higher

**CW Cossill & Webley**  
CONSULTING ENGINEERS

Street Address  
Level 20, 350 St Kilda Road W cossillwebley.com.au  
Melbourne VIC 3004 T (03) 8548 1560  
E Melbourne.Reception@cosweb.com.au

**JINDING**

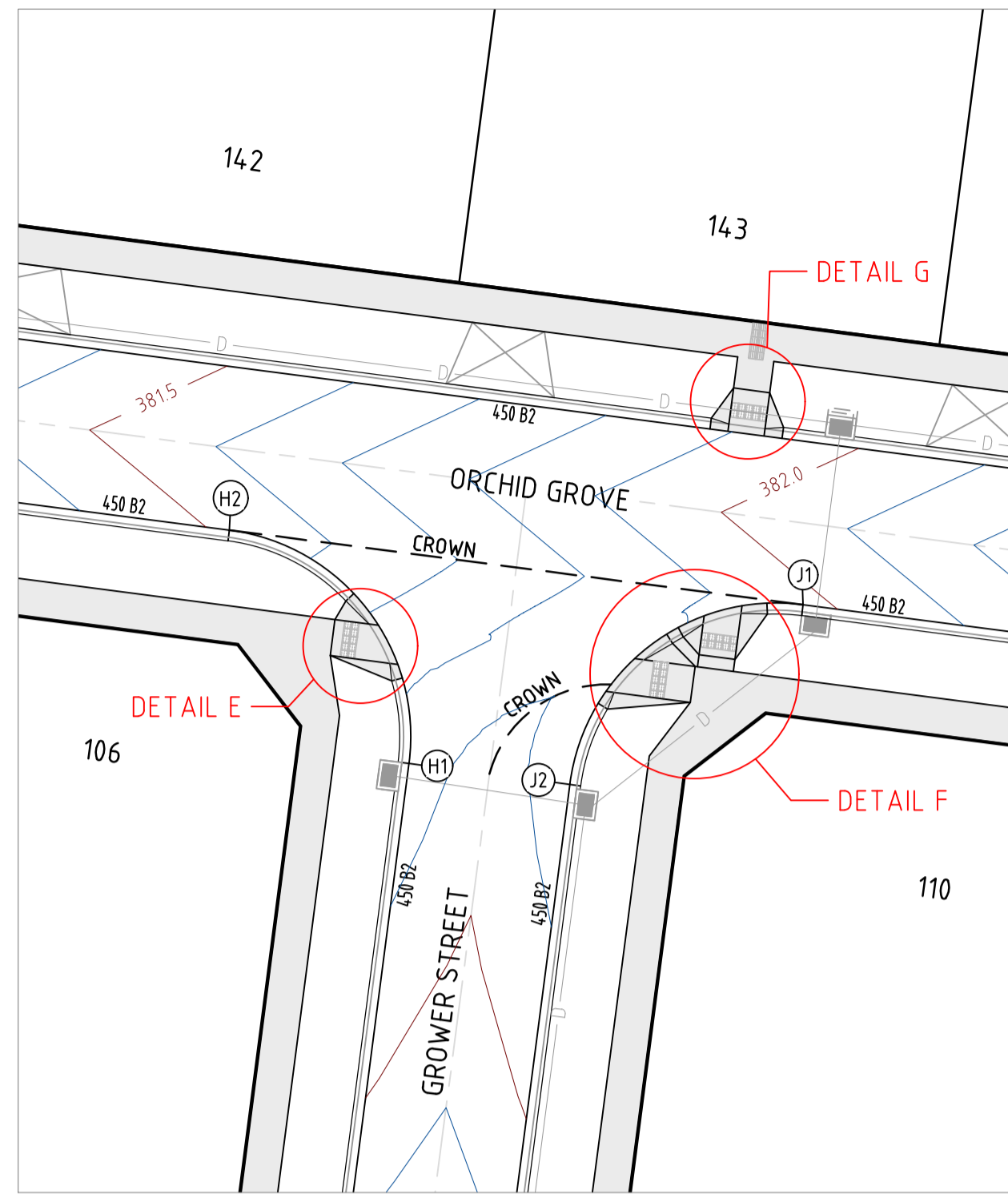
APPROVED: PE 0005549

DESIGNED: A. MAY  
SCALE: AS SHOWN

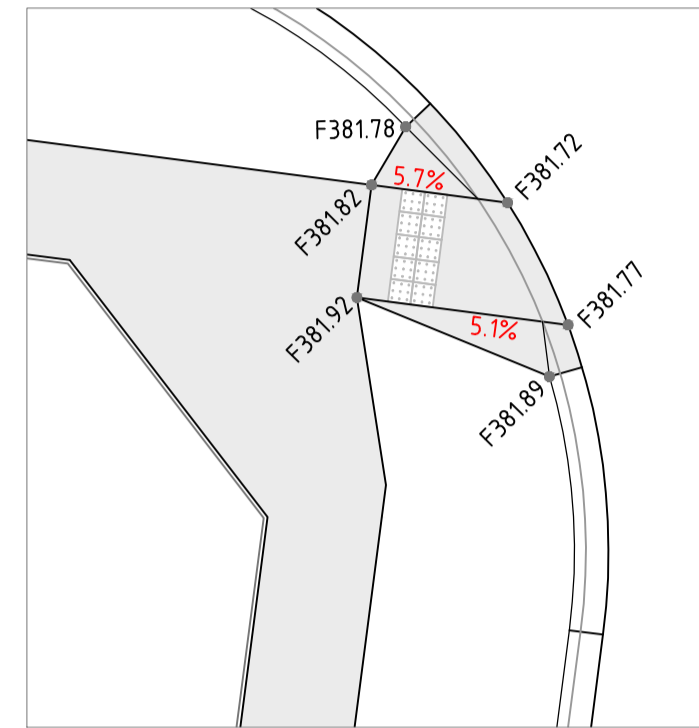
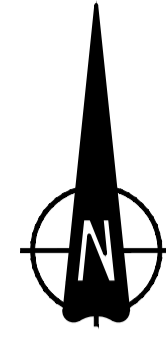
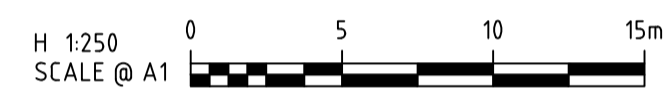
PROJECT: BROADSTEAD - STAGE 01  
TITLE: INTERSECTION DETAILS (SHEET 2 OF 5)

MUNICIPALITY: MITCHELL SHIRE COUNCIL  
PP No.: PLP430/22  
DRAWING No.: 3265-01-301  
REVISION: B

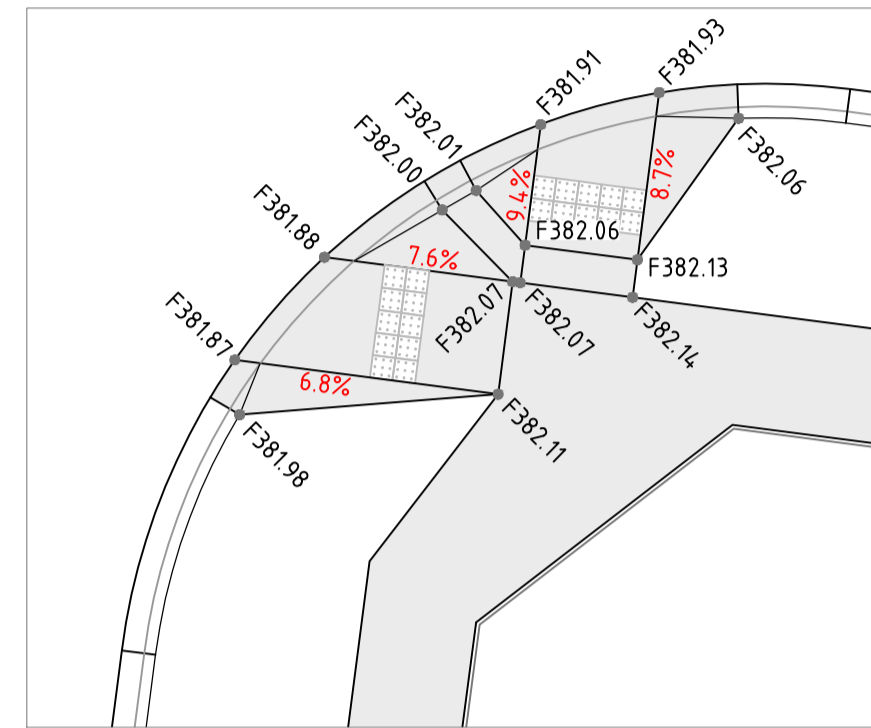
ORIGINAL SIZE A1



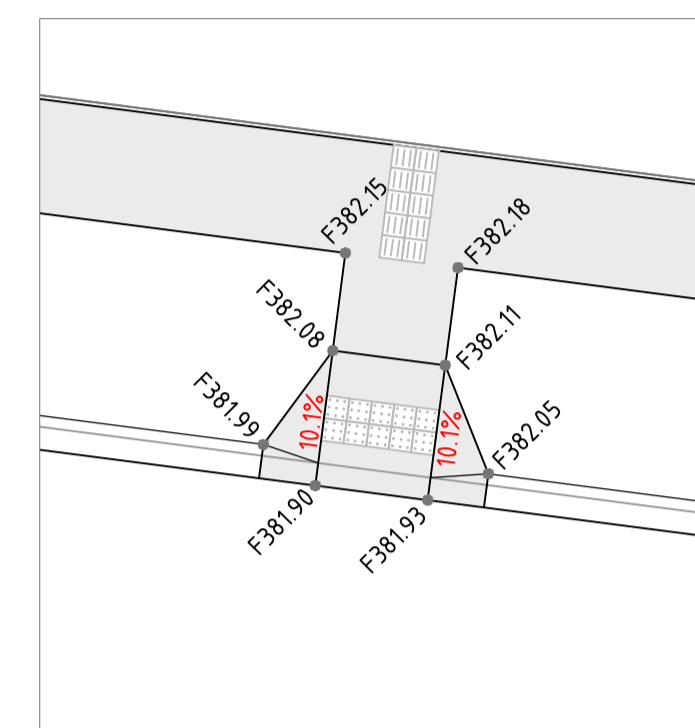
INTERSECTION OF ORCHID GROVE & GROWER STREET



DETAIL E



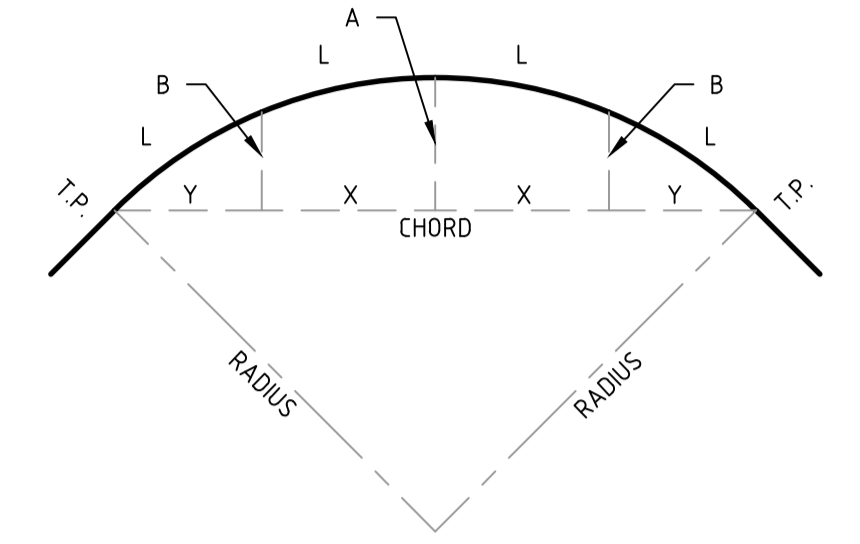
DETAIL F



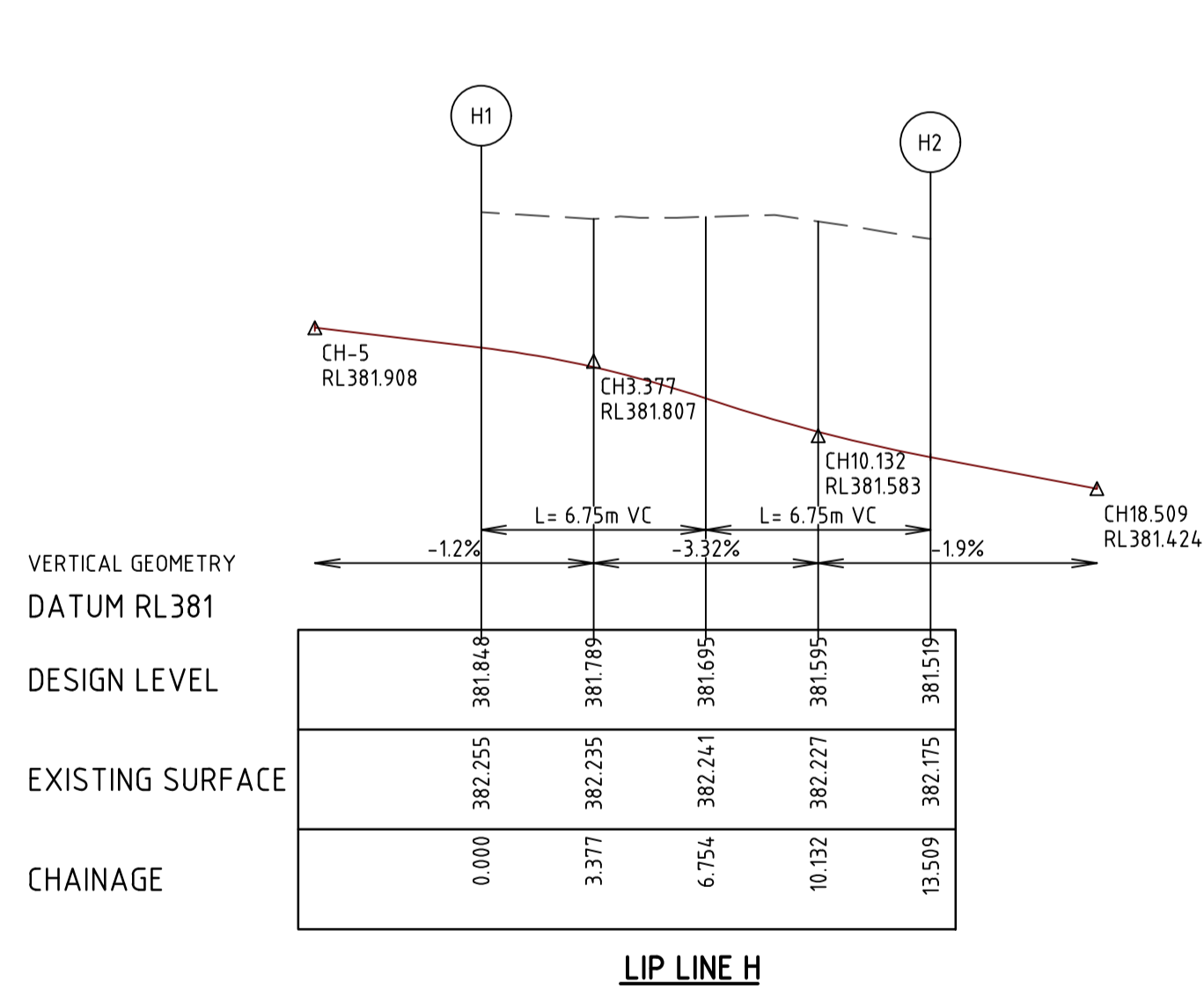
DETAIL G



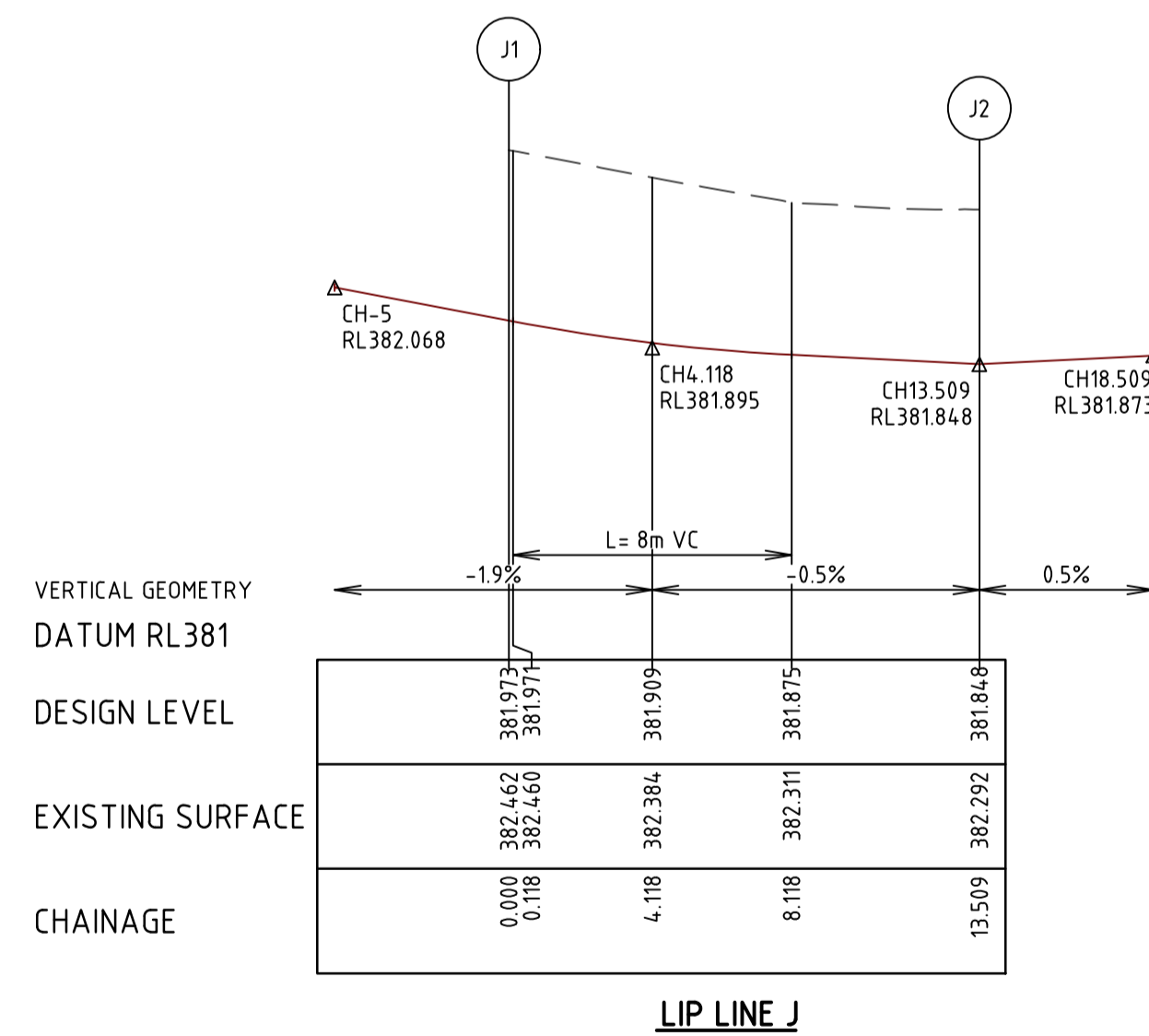
LEGEND		
DESCRIPTION	EXISTING	PROPOSED
CENTRAL INVERT	--->--->--->---	--->--->---
STORMWATER DRAIN AND PIT		--->--->---
AG DRAIN	--->--->---	--->--->---
PAVEMENT CONTOUR MINOR	---51.20---	---
PAVEMENT CONTOUR MAJOR	---52.00---	---52.00---



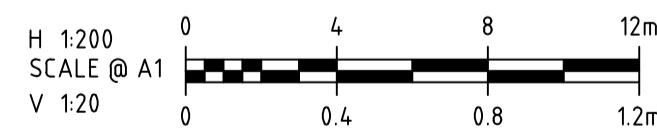
SETOUT DETAIL  
N.T.S.



LIP LINE H



LIP LINE J



ALIGNMENT H

Point no	Easting	Northing	RL
H1	319938.749	5868388.088	381.848
H2	319931.330	5868397.725	381.519

Curve no	l	Radius	Arc	A	B	X	Y	l	Mid point RL
H1 - H2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	381.695

ALIGNMENT J

Point no	Easting	Northing	RL
J1	319955.030	5868394.644	381.973
J2	319945.393	5868387.224	381.848

Curve no	l	Radius	Arc	A	B	X	Y	l	Mid point RL
J1 - J2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	381.883



APPROVED  
By Basir Azizi at 8:43 am, Jul 05, 2024

C:\3265\4414\5533\3265-01-302\Design\4414\3265-01-302\INT.dwg 4/2/2024 10:16 PM UNFA TABELEWA

REV	DATE	DRN	CKD	APP	AMENDMENT
B	04.04.24	NT			PRAM CROSSING DETAILS ADDED & KERB TYPES UPDATED
A	07.02.24	NT	KCL	B. J-MONCK	INITIAL ISSUE

<p><b>COPYRIGHT</b> The concepts and information contained in this document are the Copyright of Cossill &amp; Webley Consulting Engineers. Use or copying of the document in whole or part without the written permission of Cossill &amp; Webley Consulting Engineers constitutes an infringement of copyright.</p> <p>This plan is not to be used for construction unless issued as revision 0 or higher</p>	
---	--

**CW Cossill & Webley**  
CONSULTING ENGINEERS

Street Address  
Level 20, 390 St Kilda Road W cossillwebley.com.au  
Melbourne VIC 3004 T (03) 8548 1560  
E Melbourne.Reception@cosweb.com.au

CLIENT  
**JINDING**

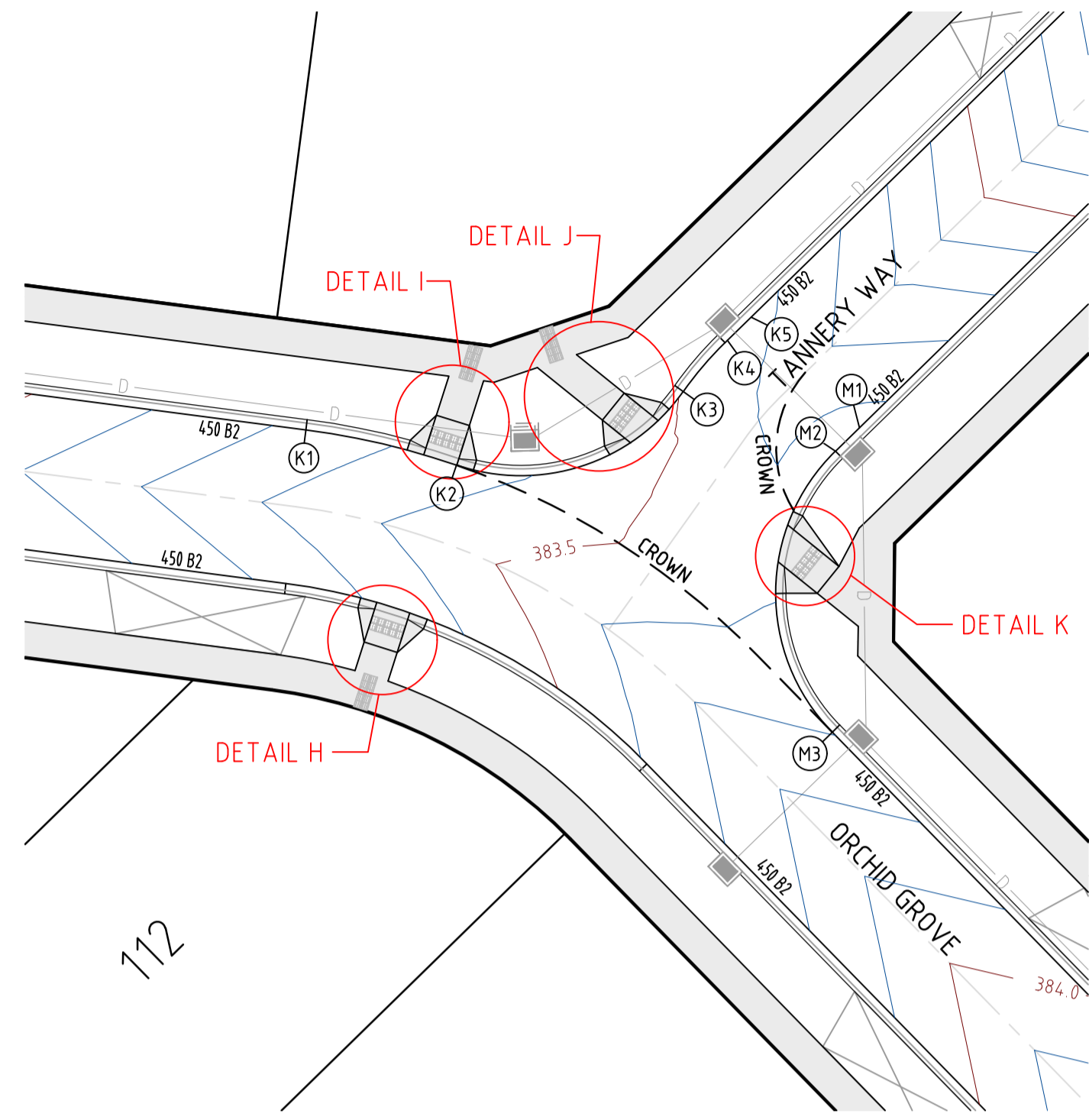
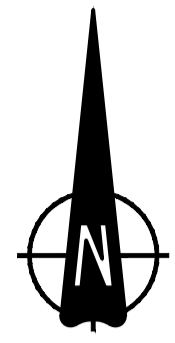
APPROVED PE 0005549

DESIGNED  
A. MAY

SCALE  
AS SHOWN

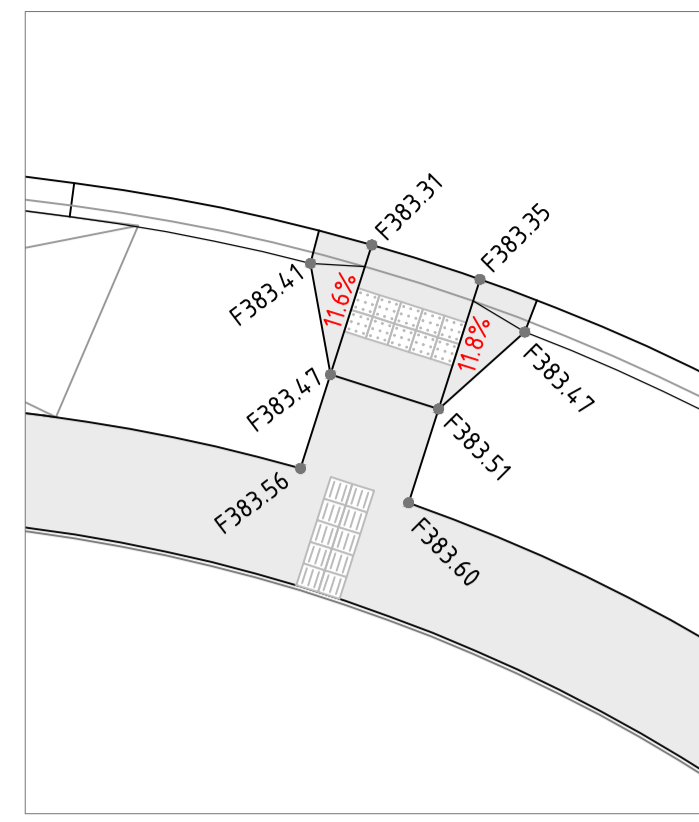
PROJECT BROADSTEAD - STAGE 01	TITLE INTERSECTION DETAILS (SHEET 3 OF 5)	MUNICIPALITY MITCHELL SHIRE COUNCIL	PP No. PLP430/22	DRAWING No. 3265-01-302	REVISION B
----------------------------------	--	--	---------------------	----------------------------	---------------

ORIGINAL SIZE A1

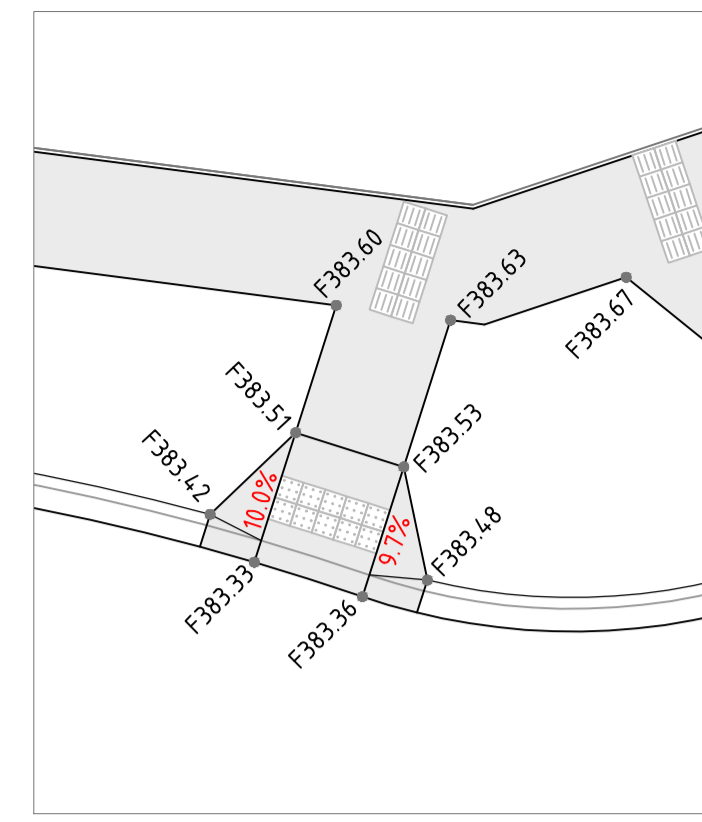


INTERSECTION OF ORCHID GROVE & TANNERY WAY

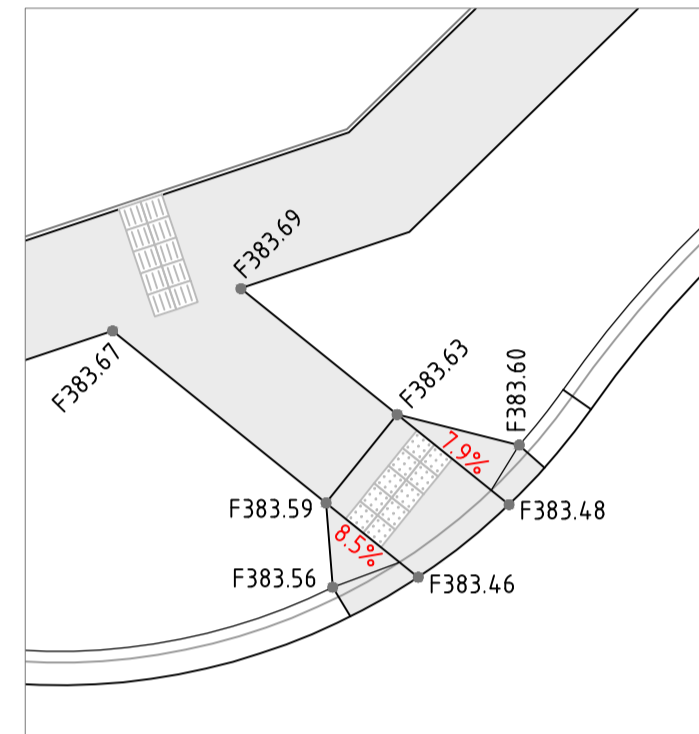
H 1:250  
SCALE @ A1



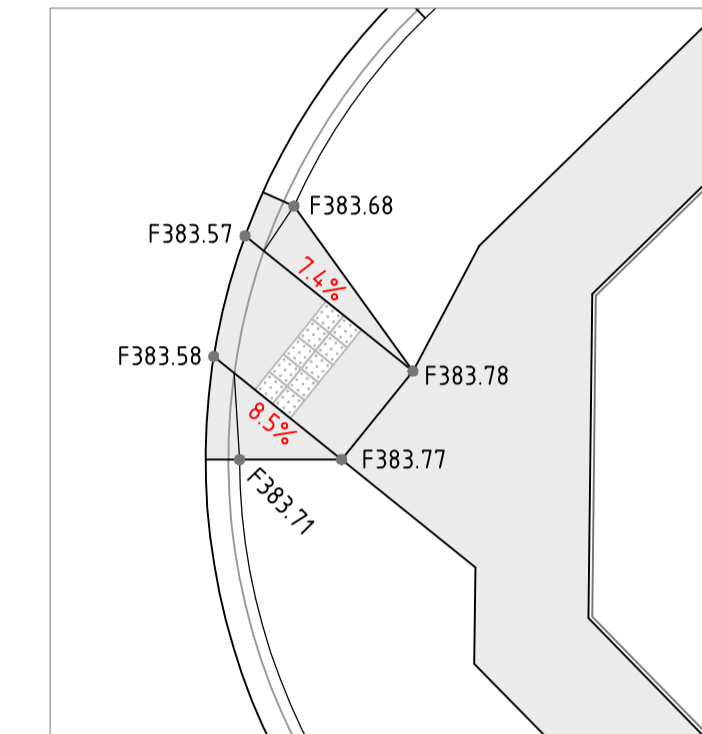
DETAIL H



DETAIL I



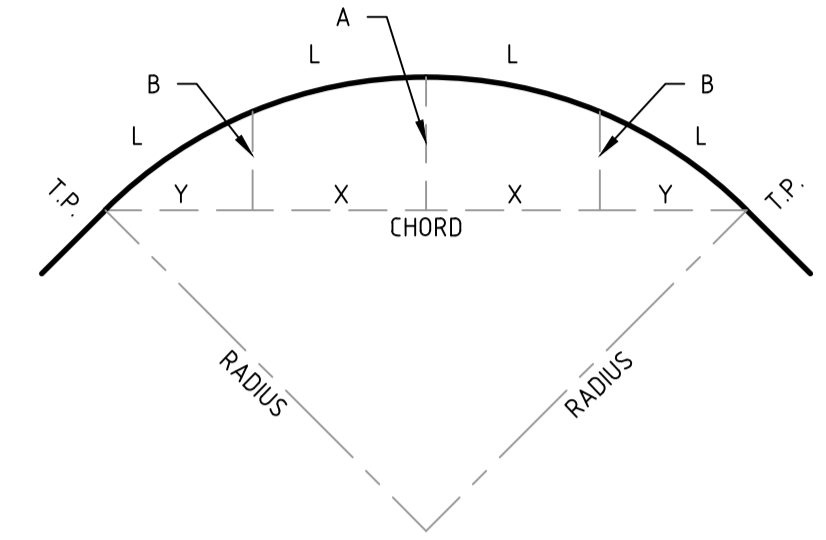
DETAIL J



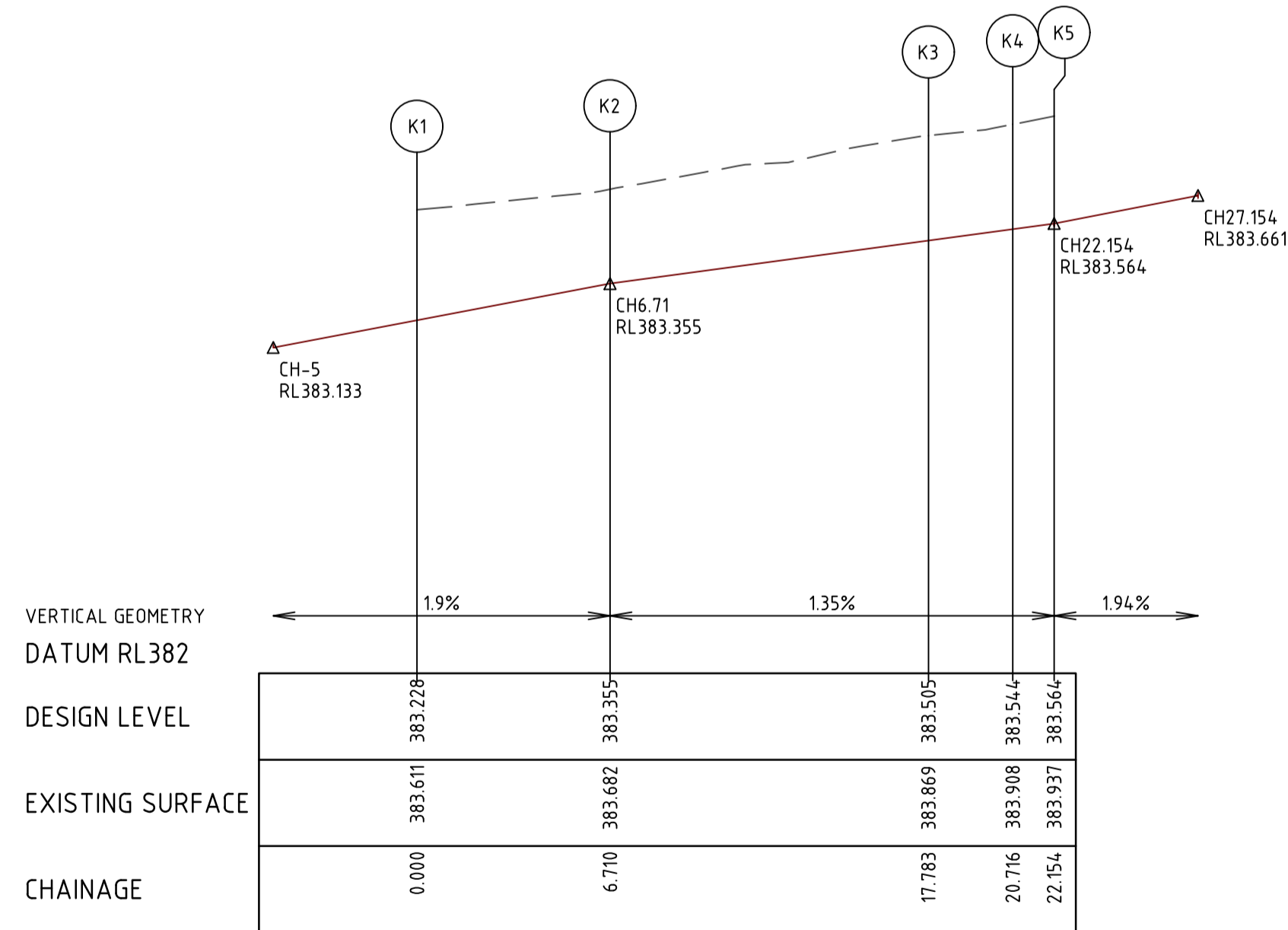
DETAIL K

H 1:100  
SCALE @ A1

LEGEND		
DESCRIPTION	EXISTING	PROPOSED
CENTRAL INVERT	- - - - -	- - - - -
STORMWATER DRAIN AND PIT	- - - - -	- - - - -
AG DRAIN	- - - - -	- - - - -
PAVEMENT CONTOUR MINOR	- - - - -	- - - - -
PAVEMENT CONTOUR MAJOR	- - - - -	- - - - -

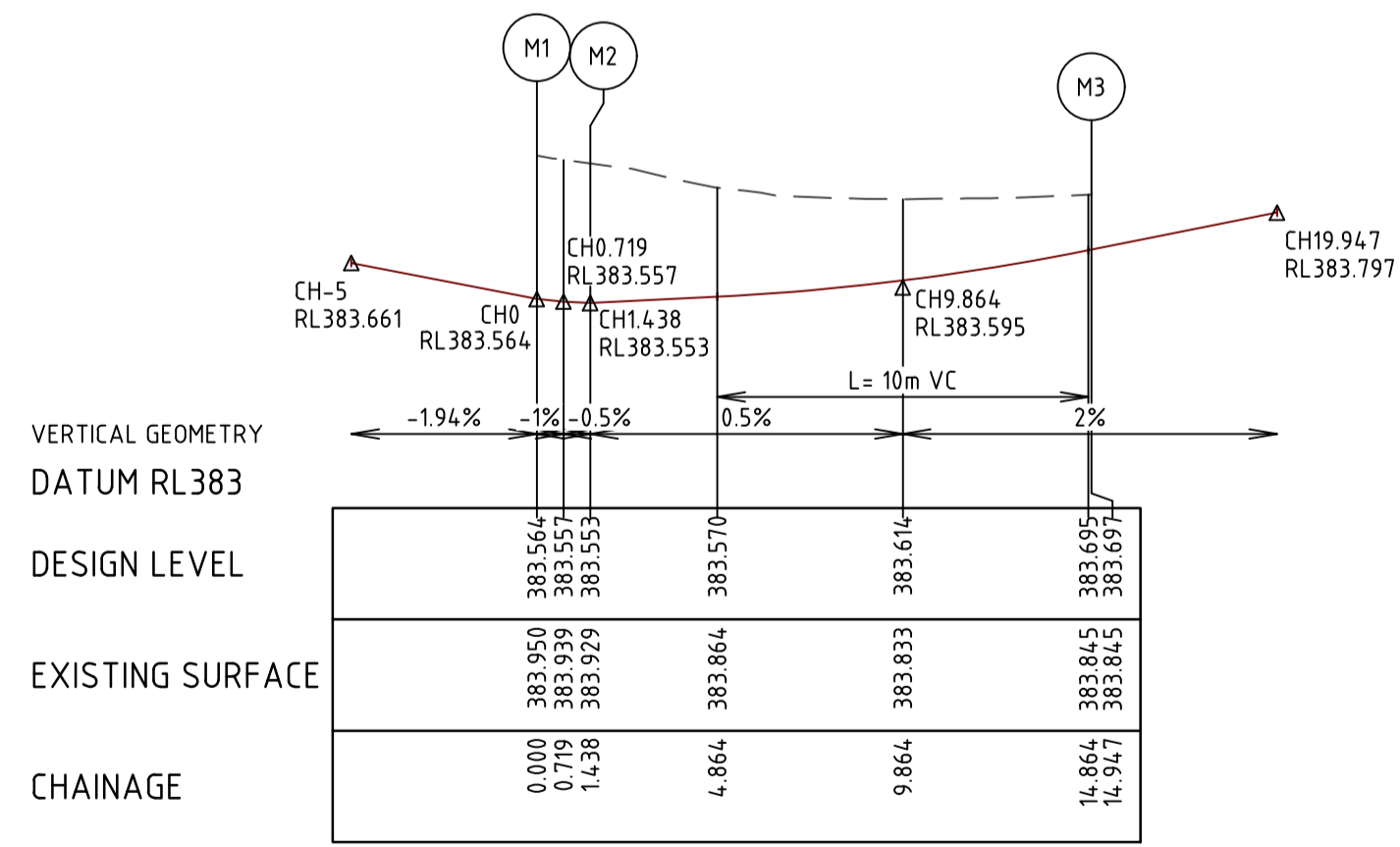


SETOUT DETAIL  
N.T.S.



LIP LINE K

H 1:200  
SCALE @ A1  
V 1:20



LIP LINE M

ALIGNMENT K

Point no	Easting	Northing	RL
K1	320021.399	5868392.771	383.228
K2	320027.922	5868391.245	383.355
K3	320037.743	5868394.426	383.505
K4	320039.652	5868396.647	383.544
K5	320040.681	5868397.652	383.564

Curve no	l	Radius	Arc	A	B	X	Y	l	Mid point RL
K1 - K2	11.527	33.356	6.711	0.169	0.126	1.677	1.673	1.678	383.291
K2 - K3	73.770	8.600	11.073	1.721	1.280	2.721	2.441	2.768	383.430
K3 - K4	11.035	15.229	2.933	0.071	0.053	0.733	0.731	0.733	383.524

ALIGNMENT M

Point no	Easting	Northing	RL
M1	320045.362	5868392.859	383.564
M2	320044.333	5868391.854	383.553
M3	320044.190	5868397.693	383.697

Curve no	l	Radius	Arc	A	B	X	Y	l	Mid point RL
M2 - M3	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	383.595



C:\3265\4414\5593\3265-01-300\DWG\3265-01-300-INT.dwg 5/7/2024 8:51 AM ADAM MAY

REV	DATE	DRN	CKD	APP	AMENDMENT
B	04.04.24	NT			PRAM CROSSING DETAILS ADDED, KERB TYPES UPDATED & KERBS K & M REVISED
A	07.02.24	NT	KCL	B. J-MONCK	INITIAL ISSUE

COPYRIGHT  
The concepts and information contained in this document are the Copyright of Cossill & Webley Consulting Engineers. Use or copying of the document in whole or part without the written permission of Cossill & Webley Consulting Engineers constitutes an infringement of copyright.

This plan is not to be used for construction unless issued as revision 0 or higher

**Cossill & Webley**  
CONSULTING ENGINEERS

Street Address  
Level 20, 390 St Kilda Road W cossillwebley.com.au  
Melbourne VIC 3004 T (03) 8548 1560  
E Melbourne.Reception@cosweb.com.au

CLIENT  
**JINDING**

APPROVED: PE 0005549  
*Basir Azizi*

DESIGNED  
A. MAY

SCALE  
AS SHOWN

PROJECT  
BROADSTEAD - STAGE 01

TITLE  
INTERSECTION DETAILS (SHEET 4 OF 5)

MUNICIPALITY  
MITCHELL SHIRE COUNCIL

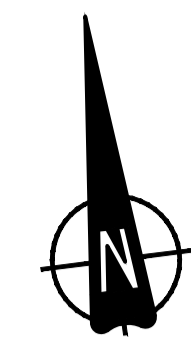
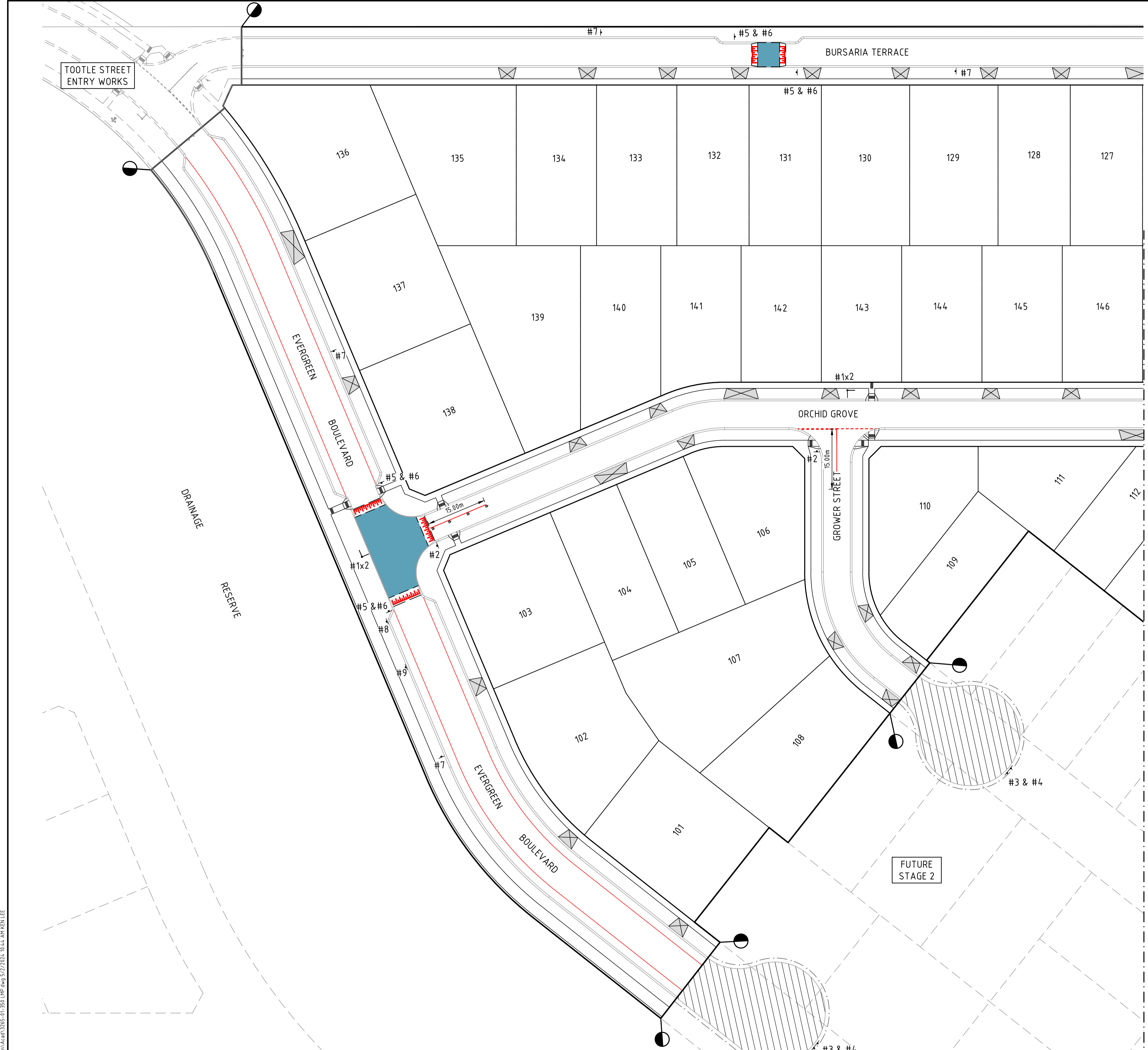
PP No.  
PLP430/22

DRAWING No.  
3265-01-303

REVISION  
B

ORIGINAL SIZE A1



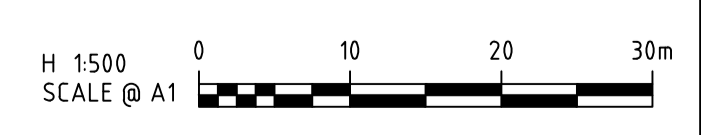


SIGNAGE SCHEDULE		
NO.	SIGN CODE	SIGN
#1	STREET NAME	
#2	R1-2	
#3	G9-20	
#4	D4-5	
#5	W8-2A	
#6	W5-10A	
#7	W3-4A	
#8	R5-35(L)	
#9	R5-35(R)	

- NOTES**
- RRPM'S IN INSTALLED IN ACCORDANCE WITH AS1742.2 CLAUSE 5.6.
  - LINEMARKING TO BE EXTENDED AT LEAST 6m FROM THE TANGENT POINT
  - LINEMARKING IN ACCORDANCE WITH AS1742.
  - TGSI TO BE INSTALLED IN ACCORDANCE WITH VICROADS RDN 06-06 - JULY 2010
  - ALL STREET NAME SIGNS AT INTERSECTIONS TO INCLUDE RELEVANT STREET NUMBERING.
  - ALL LINE MARKING PAINT SHALL BE LONG LIFE TYPE. LATERAL WORKS AND ARROWS BEING COLD APPLIED PLASTIC TROWELLED INTO PLACE (MATERIAL DEGADUR PLASTELINE) AND LONGITUDINAL LINES BEING EXTRUDED THERMOPLASTIC MATERIAL.



REV	DATE	DRN	CKD	APP	AMENDMENT
B	04.04.24	NT		<i>[Signature]</i>	LINEMARKING AT INTERSECTIONS ADDED
A	07.02.24	NT	KCL	B. J-MONCK	INITIAL ISSUE



**COPYRIGHT**  
 The concepts and information contained in this document are the Copyright of Cossill & Webley Consulting Engineers. Use or copying of the document in whole or part without the written permission of Cossill & Webley Consulting Engineers constitutes an infringement of copyright.  
 This plan is not to be used for construction unless issued as revision 0 or higher

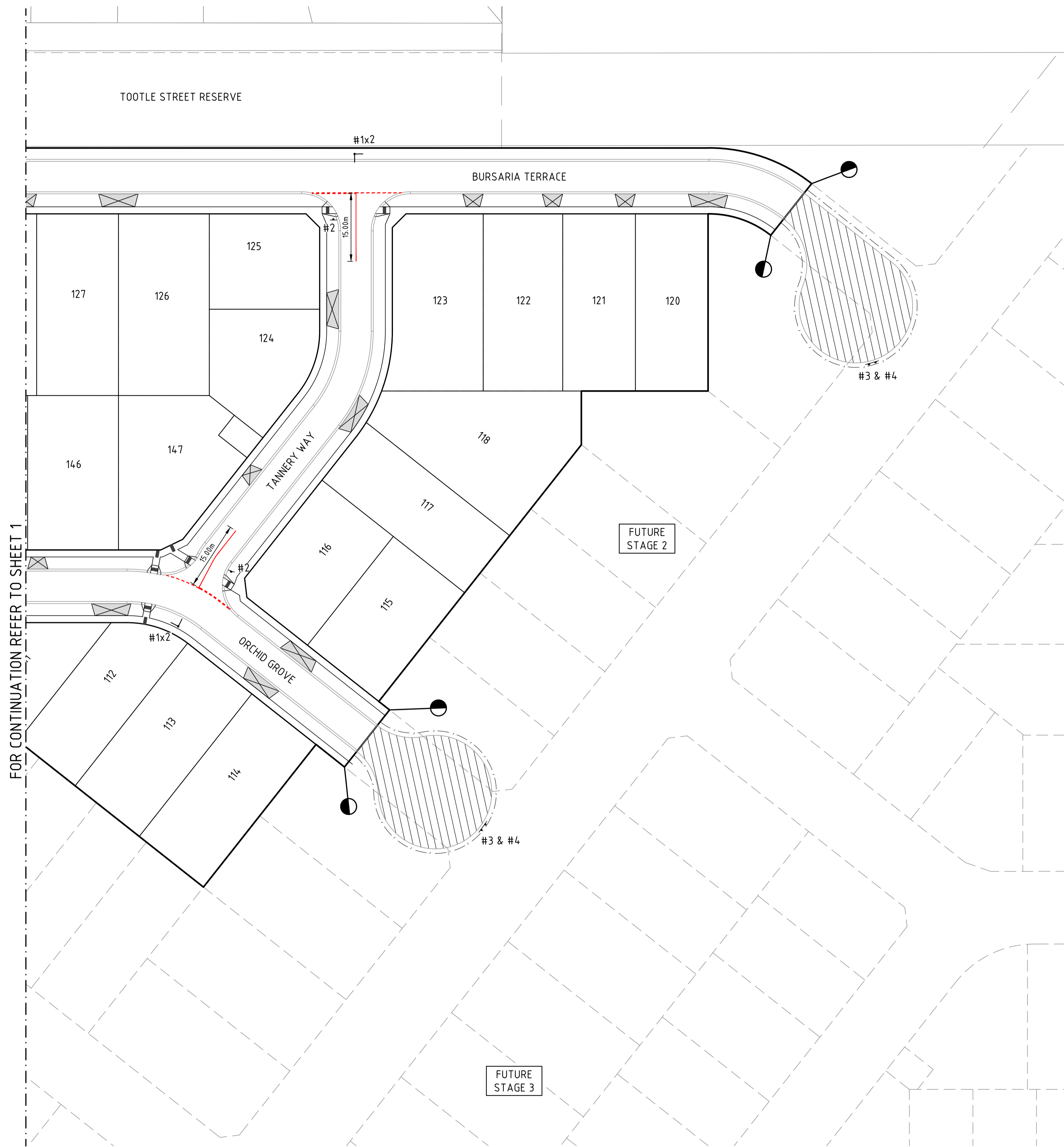
**CW Cossill & Webley CONSULTING ENGINEERS**  
 Street Address  
 Level 20, 390 St Kilda Road W cossillwebley.com.au  
 Melbourne VIC 3004 T (03) 8548 1560  
 E Melbourne.Reception@cosweb.com.au

**JINDING**  
 APPROVED PE 0005549  
 DESIGNED A. MAY  
 SCALE 1500 @ A1

PROJECT	BROADSTEAD - STAGE 01
TITLE	SIGNAGE & LINEMARKING PLAN (SHEET 1 OF 2)
MUNICIPALITY	MITCHELL SHIRE COUNCIL
PP No.	PLP430/22
DRAWING No.	3265-01-350
REVISION	B

ORIGINAL SIZE A1

C:\3265\4413\553\3265-01-350\Design\Road\3265-01-350\_LUP.dwg, 5/7/2024, 10:14 AM, KEN LEE



FOR CONTINUATION REFER TO SHEET 1

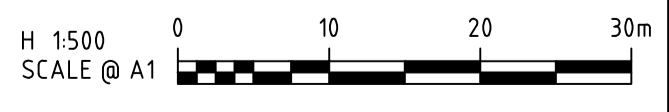
SIGNAGE SCHEDULE		
NO.	SIGN CODE	SIGN
#1	STREET NAME	
#2	R1-2	
#3	G9-20	
#4	D4-5	
#5	W8-2A	
#6	W5-10A	
#7	W3-4A	

- NOTES**
- RRPM'S IN INSTALLED IN ACCORDANCE WITH AS1742.2 CLAUSE 5.6.
  - LINEMARKING TO BE EXTENDED AT LEAST 6m FROM THE TANGENT POINT
  - LINEMARKING IN ACCORDANCE WITH AS1742.
  - TGSI TO BE INSTALLED IN ACCORDANCE WITH VICROADS RDN 06-06 - JULY 2010
  - ALL STREET NAME SIGNS AT INTERSECTIONS TO INCLUDE RELEVANT STREET NUMBERING.
  - ALL LINE MARKING PAINT SHALL BE LONG LIFE TYPE. LATERAL WORKS AND ARROWS BEING COLD APPLIED PLASTIC TROWELLED INTO PLACE (MATERIAL DEGADUR PLASTELINE) AND LONGITUDINAL LINES BEING EXTRUDED THERMOPLASTIC MATERIAL.



C:\3265\441\153\3265-01-351\Design\Road\3265-01-351\LP.dwg 1/1/2024 7:25 AM MWFA TABUENA

REV	DATE	DRN	CKD	APP	AMENDMENT
B	04.04.24	NT		<i>[Signature]</i>	LINEMARKING AT INTERSECTIONS ADDED
A	07.02.24	NT	KCL	B. J-MONCK	INITIAL ISSUE



**COPYRIGHT**  
The concepts and information contained in this document are the Copyright of Cossill & Webley Consulting Engineers. Use or copying of the document in whole or part without the written permission of Cossill & Webley Consulting Engineers constitutes an infringement of copyright.  
This plan is not to be used for construction unless issued as revision 0 or higher

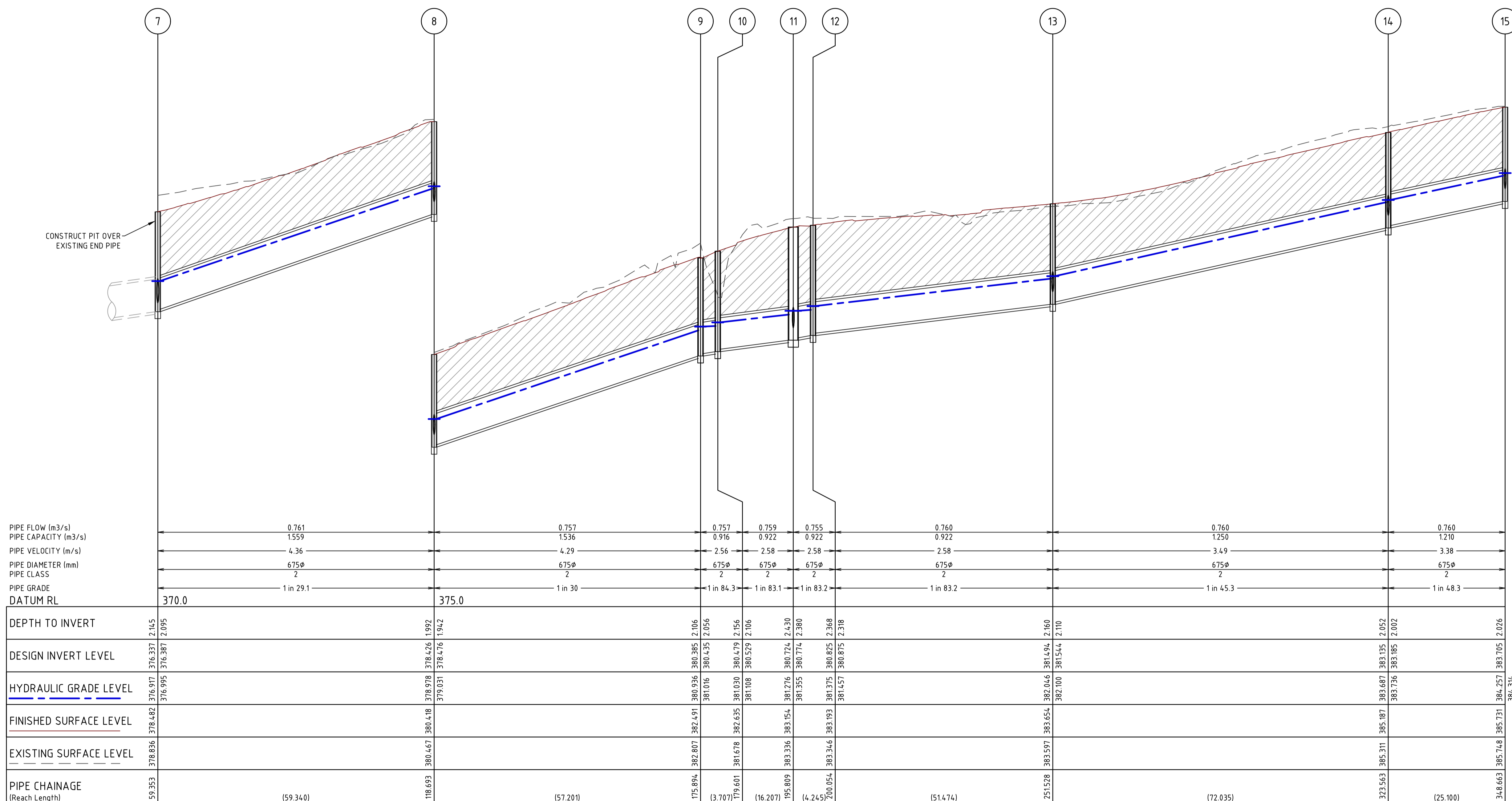
**CW Cossill & Webley CONSULTING ENGINEERS**  
Street Address  
Level 20, 390 St Kilda Road W cossillwebley.com.au  
Melbourne VIC 3004 T (03) 8548 1560  
E Melbourne.Reception@cosweb.com.au

**JINDING**  
APPROVED: PE 0005549  
*[Signature]*  
DESIGNED: A. MAY  
SCALE: 1500 @ A1

CLIENT	PROJECT	BROADSTEAD - STAGE 01
TITLE	SIGNAGE & LINEMARKING PLAN (SHEET 2 OF 2)	
MUNICIPALITY	MITCHELL SHIRE COUNCIL	
PP No.	PLP430/22	DRAWING No. 3265-01-351
REVISION	B	ORIGINAL SIZE A1

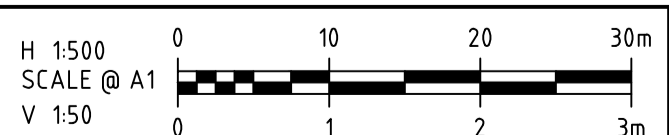
DENOTES 20mm CLASS 3 FCR BACKFILL.

NOTES:  
ALL STORMWATER DRAINS UP TO AND INCLUDING 750mm DIA. ARE TO BE CLASS 2 R.R.J. PIPES UNLESS NOTED OTHERWISE.



C:\3265\441\553\3265-01-400\Drawings\3265-01-400-DLS.dwg 4/20/2024 4:54 PM NMF/A TABURUA

REV	DATE	DRN	CKD	APP	AMENDMENT
B	04.04.24	NT			DRAINAGE LONG SECTIONS REVISED FOR COUNCIL COMMENTS
A	07.02.24	NT	KCL	B. J-MONCK	INITIAL ISSUE



**COPYRIGHT**  
The concepts and information contained in this document are the Copyright of Cossill & Webley Consulting Engineers. Use or copying of the document in whole or part without the written permission of Cossill & Webley Consulting Engineers constitutes an infringement of copyright.  
This plan is not to be used for construction unless issued as revision 0 or higher



CLIENT **JINDING**

APPROVED PE 0005549

DESIGNED **A. MAY**

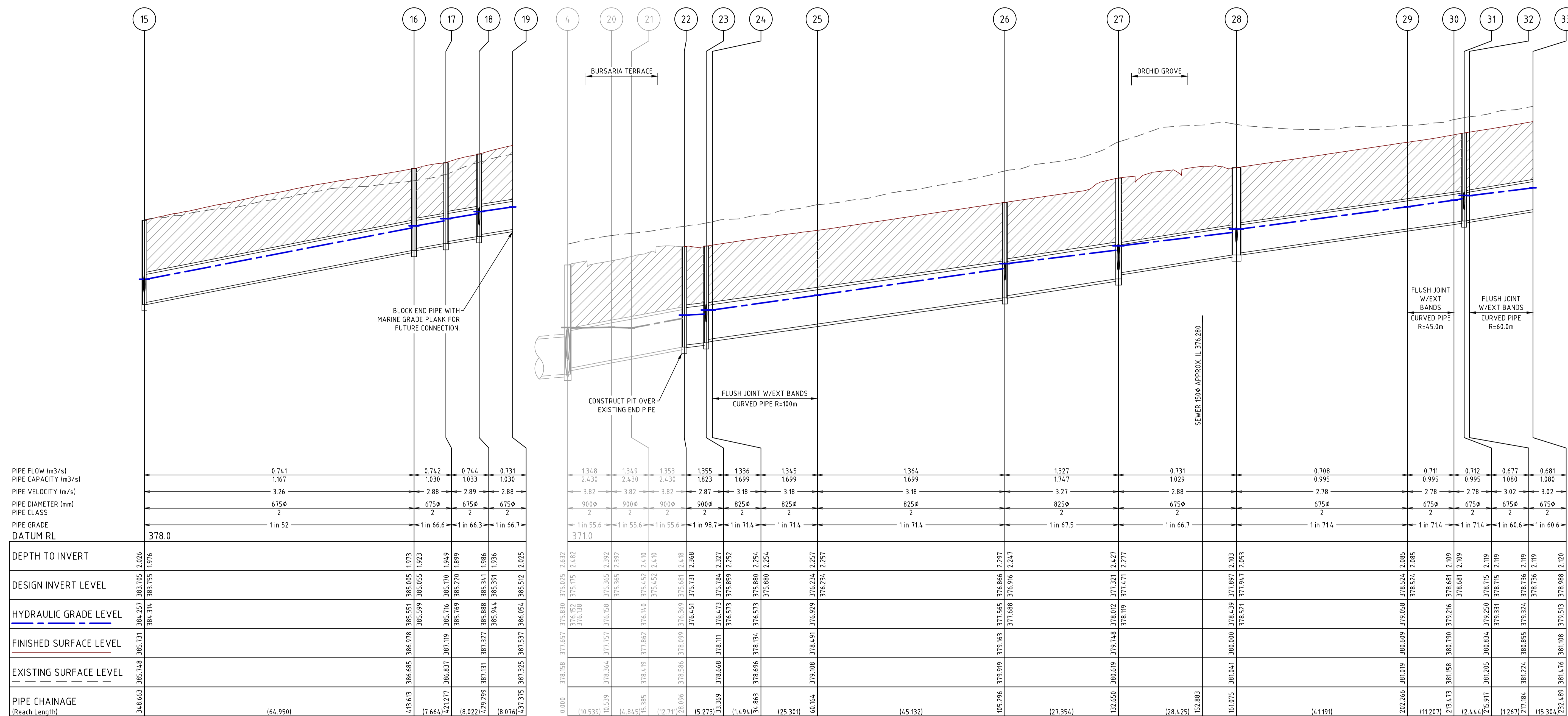
SCALE H 1:500 V 1:50

PROJECT	BROADSTEAD - STAGE 01
TITLE	DRAINAGE LONGITUDINAL SECTIONS (SHEET 1 OF 7)
MUNICIPALITY	MITCHELL SHIRE COUNCIL
PP No.	PLP430/22
DRAWING No.	3265-01-400
REVISION	B

ORIGINAL SIZE A1

DENOTES 20mm CLASS 3 FCR BACKFILL.

NOTES:  
ALL STORMWATER DRAINS UP TO AND INCLUDING 750mm DIA. ARE TO BE CLASS 2 R.R.J. PIPES UNLESS NOTED OTHERWISE.



PIPE FLOW (m3/s)	PIPE CAPACITY (m3/s)	PIPE VELOCITY (m/s)	PIPE DIAMETER (mm)	PIPE CLASS	PIPE GRADE	DATUM RL
0.741	1.167	3.26	675 $\phi$	2	1 in 52	378.0
0.742	1.030	2.88	675 $\phi$	2	1 in 66.6	
0.744	1.033	2.88	675 $\phi$	2	1 in 66.6	
0.731	1.030	2.88	675 $\phi$	2	1 in 66.7	

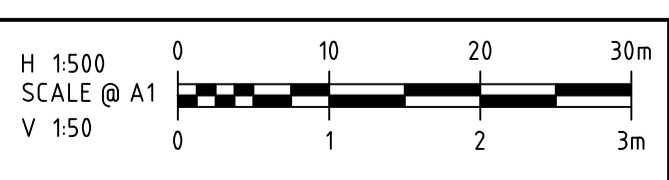
  

DEPTH TO INVERT	DESIGN INVERT LEVEL	HYDRAULIC GRADE LEVEL	FINISHED SURFACE LEVEL	EXISTING SURFACE LEVEL	PIPE CHAINAGE (Reach Length)
2.026	383.705	384.257	385.731	385.748	348.663
1.976	383.755	384.314	385.731	385.748	(64.950)
1.973	385.005	385.551	386.978	386.685	413.613
1.923	385.055	385.599	386.978	386.685	(7.664)
1.949	385.170	385.716	387.119	386.837	421.271
1.899	385.220	385.769	387.119	386.837	(8.022)
1.986	385.341	385.888	387.327	387.131	429.299
1.936	385.391	385.944	387.327	387.131	(8.076)
2.025	385.512	386.054	387.537	387.325	437.375



C:\3265\4414\5303\3265-01\_1021\Design\4414\3265-01-400.DWG 5/27/2024 3:12 PM NERLEE

B	04.04.24	NT	<i>[Signature]</i>	DRAINAGE LONG SECTIONS REVISED FOR COUNCIL COMMENTS
A	19.01.24	NT	KCL B. J-MONCK	INITIAL ISSUE
REV	DATE	DRN	CKD	APP
				AMENDMENT



**COPYRIGHT**  
The concepts and information contained in this document are the Copyright of Cossill & Webley Consulting Engineers. Use or copying of the document in whole or part without the written permission of Cossill & Webley Consulting Engineers constitutes an infringement of copyright.  
This plan is not to be used for construction unless issued as revision 0 or higher.

**Cossill & Webley CONSULTING ENGINEERS**  
Street Address  
Level 20, 390 St Kilda Road W cossillwebley.com.au  
Melbourne VIC 3004 T (03) 8548 1560  
E Melbourne.Reception@cosweb.com.au

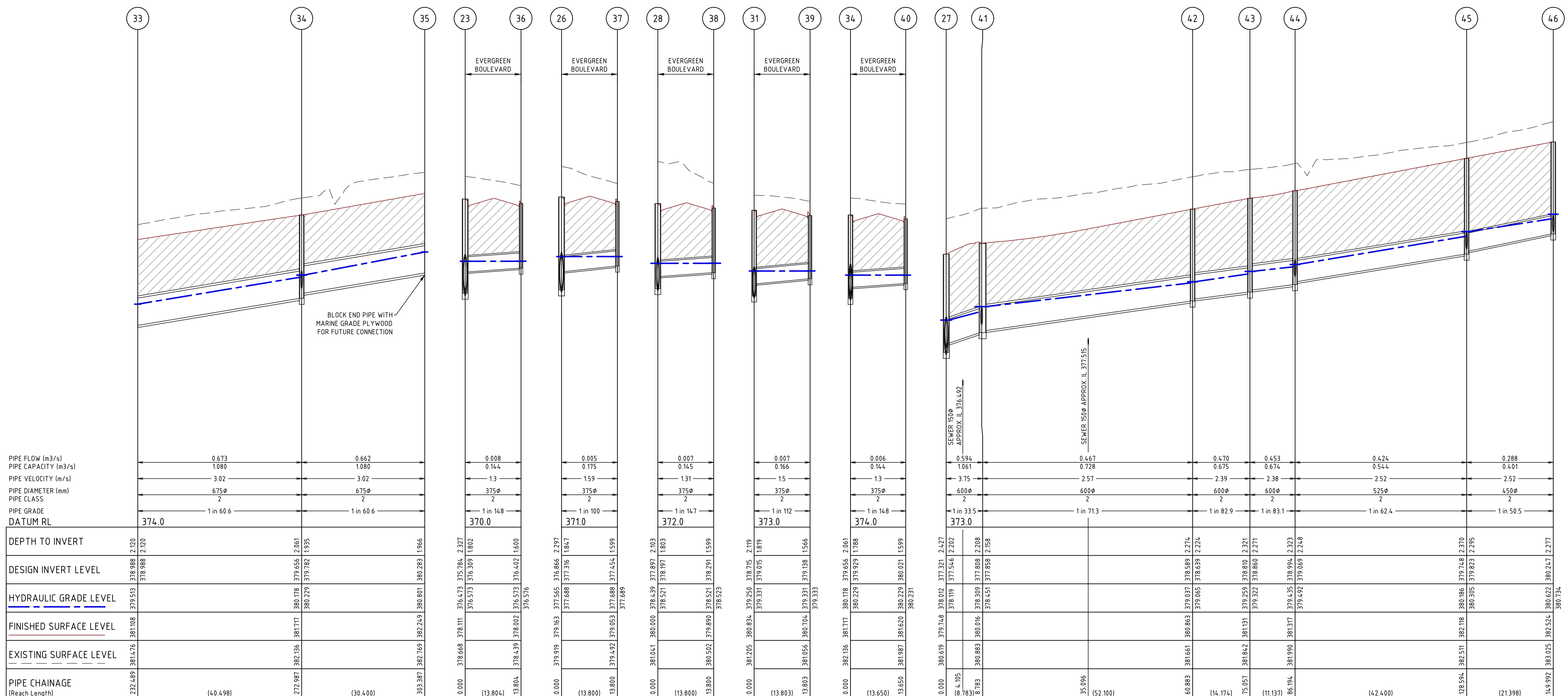
**JINDING**  
APPROVED PE 0005549  
*[Signature]*  
DESIGNED A. MAY  
SCALE H 1:500 V 1:50

PROJECT	BROADSTEAD - STAGE 01
TITLE	DRAINAGE LONGITUDINAL SECTIONS (SHEET 2 OF 7)
MUNICIPALITY	MITCHELL SHIRE COUNCIL
PP No.	PLP430/22
DRAWING No.	3265-01-401
REVISION	B

ORIGINAL SIZE A1

DENOTES 20mm CLASS 3 FCR BACKFILL.

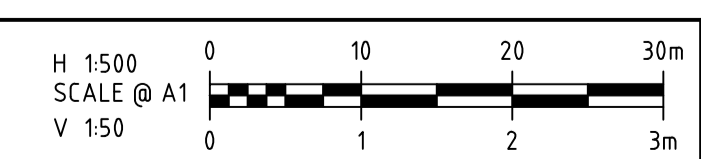
NOTES:  
ALL STORMWATER DRAINS UP TO AND INCLUDING 750mm DIA. ARE TO BE CLASS 2 R.R.J. PIPES UNLESS NOTED OTHERWISE.



C:\3265\4414\5533\3265-01\_02\Design\4414\3265-01-400-DL.dwg 5/22/2024 2:12 PM NEN LEE



B	04.04.24	NT	<i>[Signature]</i>	DRAINAGE LONG SECTIONS REVISED FOR COUNCIL COMMENTS
A	07.02.24	NT	KCL B. J-MONCK	INITIAL ISSUE
REV	DATE	DRN	CKD	APP
				AMENDMENT



**COPYRIGHT**  
The concepts and information contained in this document are the Copyright of Cossill & Webley Consulting Engineers. Use or copying of the document in whole or part without the written permission of Cossill & Webley Consulting Engineers constitutes an infringement of copyright.  
This plan is not to be used for construction unless issued as revision 0 or higher

**CW Cossill & Webley CONSULTING ENGINEERS**  
Street Address  
Level 20, 330 St Kilda Road W cossillwebley.com.au  
Melbourne VIC 3004 T (03) 8548 1560  
E Melbourne.Reception@cosweb.com.au

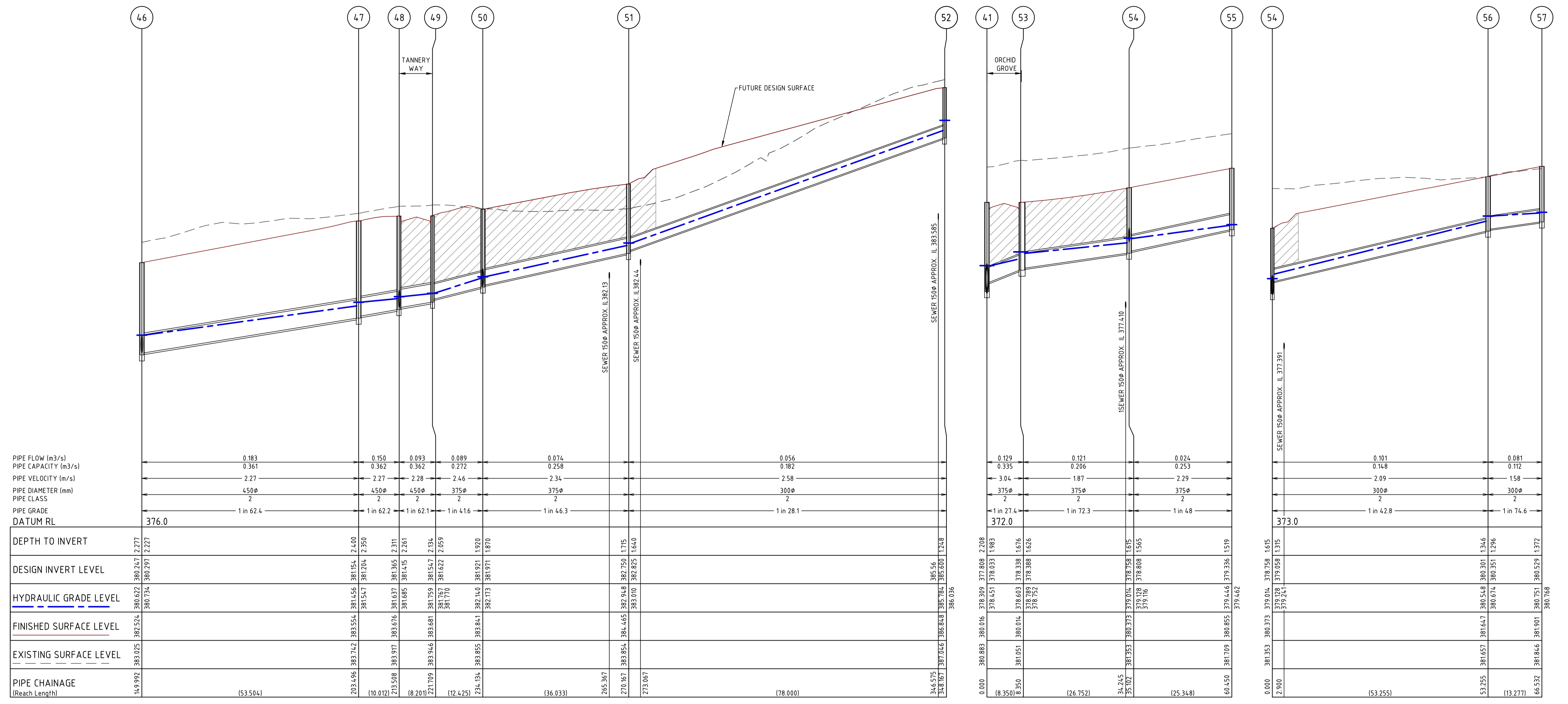
**JINDING**  
APPROVED PE 0005549  
*[Signature]*  
DESIGNED A. MAY  
SCALE H 1:500 V 1:50

PROJECT	BROADSTEAD - STAGE 01
TITLE	DRAINAGE LONGITUDINAL SECTIONS (SHEET 3 OF 7)
MUNICIPALITY	MITCHELL SHIRE COUNCIL
PP No.	PLP430/22
DRAWING No.	3265-01-402
REVISION	B

ORIGINAL SIZE A1

/// DENOTES 20mm CLASS 3 FCR BACKFILL.

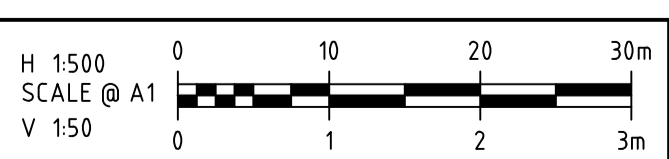
NOTES:  
ALL STORMWATER DRAINS UP TO AND INCLUDING 750mm DIA. ARE TO BE CLASS 2 R.R.J. PIPES UNLESS NOTED OTHERWISE.



C:\3265\4414\5303\3265-01-403\Design\4414\3265-01-403.dwg 5/27/2024 2:12 PM NERILEE



REV	DATE	DRN	CKD	APP	AMENDMENT
B	04.04.24	NT			DRAINAGE LONG SECTIONS REVISED FOR COUNCIL COMMENTS
A	07.02.24	NT	KCL	B. J-MONCK	INITIAL ISSUE



**COPYRIGHT**  
The concepts and information contained in this document are the Copyright of Cossill & Webley Consulting Engineers. Use or copying of the document in whole or part without the written permission of Cossill & Webley Consulting Engineers constitutes an infringement of copyright.  
This plan is not to be used for construction unless issued as revision 0 or higher

**Cossill & Webley CONSULTING ENGINEERS**  
Street Address  
Level 20, 300 St Kilda Road W cossillwebley.com.au  
Melbourne VIC 3004 T (03) 8548 1560  
E Melbourne.Reception@cossweb.com.au

**JINDING**  
APPROVED PE 0005549  
DESIGNED A. MAY  
SCALE H 1:500 V 1:50

PROJECT BROADSTEAD - STAGE 01  
TITLE DRAINAGE LONGITUDINAL SECTIONS (SHEET 4 OF 7)  
MUNICIPALITY MITCHELL SHIRE COUNCIL  
PP No. PLP430/22  
DRAWING No. 3265-01-403  
REVISION B

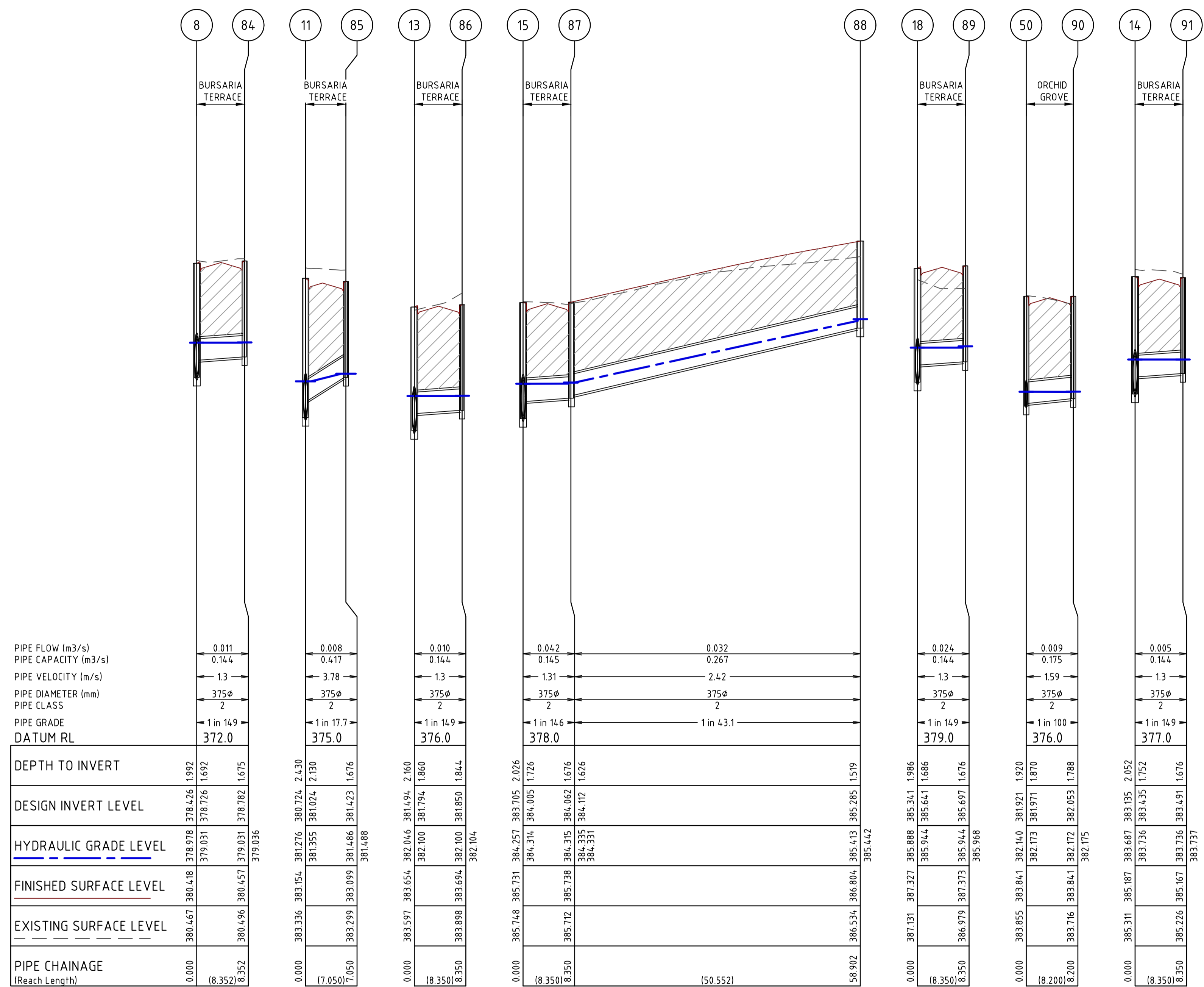
ORIGINAL SIZE A1





 DENOTES 20mm CLASS 3 FCR BACKFILL.

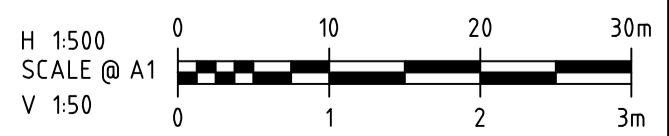
**NOTES:**  
 ALL STORMWATER DRAINS UP TO AND INCLUDING 750mm DIA. ARE TO BE CLASS 2 R.R.J. PIPES UNLESS NOTED OTHERWISE.



C:\Users\j\Documents\3265-01-400-DL-406-5/2/2024-3 38 PM NEW LEE



REV	DATE	DRN	CKD	APP	AMENDMENT
B	04.04.24	NT		<i>[Signature]</i>	DRAINAGE LONG SECTIONS REVISED FOR COUNCIL COMMENTS
A	07.02.24	NT	KCL	B. J-MONCK	INITIAL ISSUE



**COPYRIGHT**  
 The concepts and information contained in this document are the Copyright of Cossill & Webley Consulting Engineers. Use or copying of the document in whole or part without the written permission of Cossill & Webley Consulting Engineers constitutes an infringement of copyright.  
 This plan is not to be used for construction unless issued as revision 0 or higher



CLIENT: **JINDING**  
 APPROVED: PE 0005549  
 DESIGNED: **A. MAY**  
 SCALE: H 1:500 V 1:50

PROJECT	BROADSTEAD - STAGE 01
TITLE	DRAINAGE LONGITUDINAL SECTIONS (SHEET 7 OF 7)
MUNICIPALITY	MITCHELL SHIRE COUNCIL
PP No.	PLP430/22
DRAWING No.	3265-01-406
REVISION	B

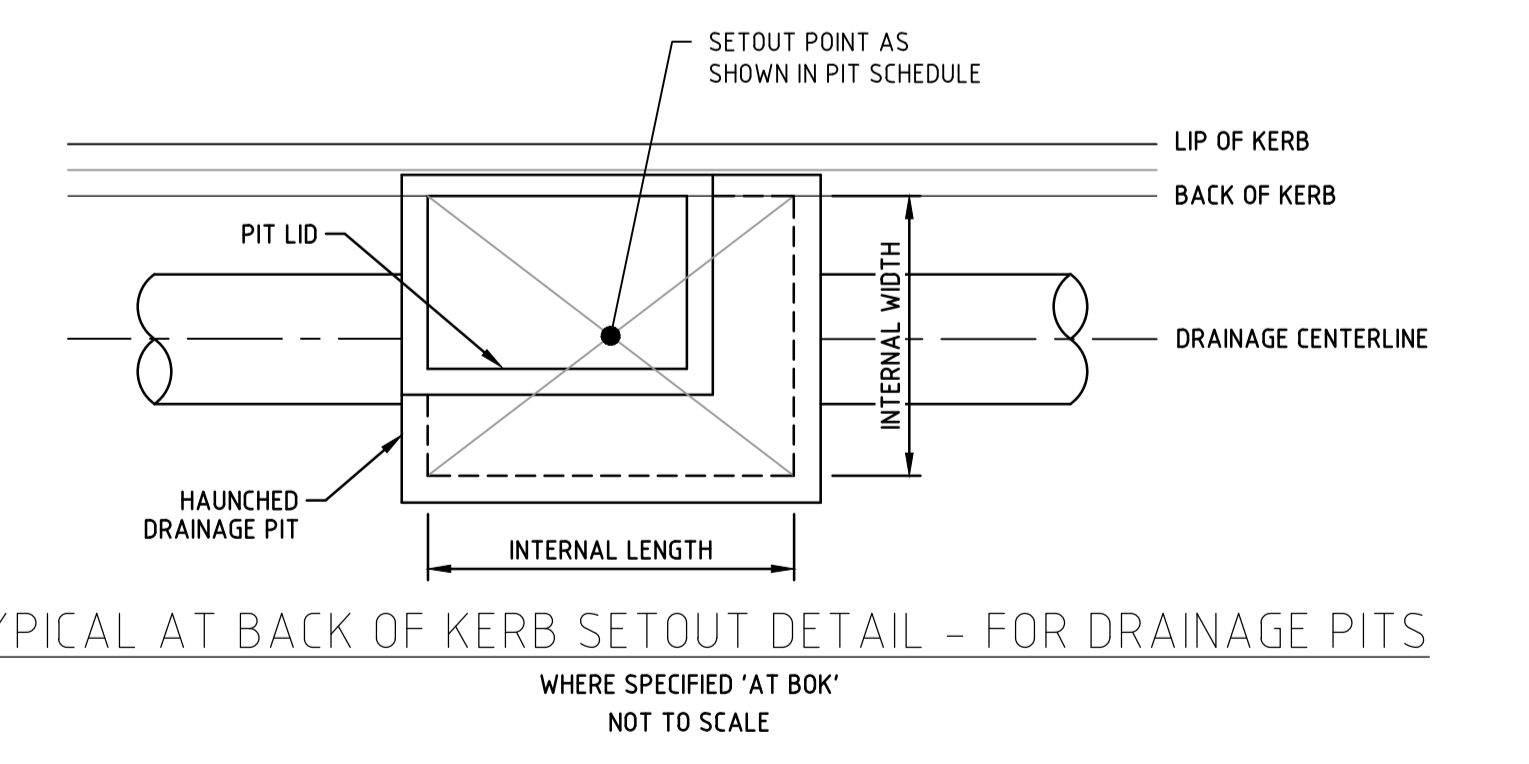
ORIGINAL SIZE A1

PIT SCHEDULE

PIT NAME	TYPE	EASTING	NORTHING	INTERNAL WIDTH	INTERNAL LENGTH	INLET DIA	INLET IL	OUTLET DIA	OUTLET IL	PIT SETOUT RL	PIT DEPTH	REMARKS
7	SIDE ENTRY PIT	319809.350	5868512.207	900	900	675	376.387	675	376.337	378.482	2.145	CONSTRUCT OVER EXISTING END PIPE. SIDE ENTRY PIT FOR B2 KERB AS PER IDM SD430. HAUNCHED UNDER VERGE.
						450	376.562					
8	SIDE ENTRY PIT	319868.196	5868504.558	900	900	675	378.476	675	378.426	380.418	1.992	
						375	378.726					
9	SIDE ENTRY PIT	319924.919	5868497.182	900	900	675	380.435	675	380.385	382.491	2.106	
10	JUNCTION PIT	319928.111	5868495.456	900	900	675	380.529	675	380.479	382.635	2.156	
11	DOUBLE SIDE ENTRY PIT	319944.183	5868493.366	900	1900	675	380.774	675	380.724	383.154	2.430	DOUBLE SIDE ENTRY PIT AS PER IDM SD445
						375	381.024					
12	SIDE ENTRY PIT	319948.248	5868494.149	900	900	675	380.875	675	380.825	383.193	2.368	
13	SIDE ENTRY PIT	319999.293	5868487.512	900	900	675	381.544	675	381.494	383.654	2.160	
						375	381.794					
14	SIDE ENTRY PIT	320070.726	5868478.225	900	900	675	383.185	675	383.135	385.187	2.052	
						375	383.435					
15	SIDE ENTRY PIT	320095.617	5868474.989	900	900	675	383.755	675	383.705	385.731	2.026	
						375	384.005					
16	JUNCTION PIT	320160.025	5868466.615	900	900	675	385.055	675	385.005	386.978	1.973	
17	JUNCTION PIT	320167.473	5868464.830	900	900	675	385.220	675	385.170	387.119	1.949	
18	SIDE ENTRY PIT	320174.645	5868461.248	900	900	675	385.391	675	385.341	387.327	1.986	
						375	385.641					
19	END OF LINE	320180.837	5868456.069	0	0			675	385.512	387.537	2.025	
20	TANGENT POINT	319788.144	5868504.314	0	0	900	375.365	900	375.365	377.757	2.392	START 18m RADIUS CURVE.
21	TANGENT POINT	319791.216	5868500.586	0	0	900	375.452	900	375.452	377.862	2.410	END 18m RADIUS CURVE.
22	SIDE ENTRY PIT	319797.909	5868489.779	1500	900	900	375.731	900	375.681	378.099	2.418	
23	SIDE ENTRY PIT	319802.158	5868486.824	1200	900	825	375.859	900	375.784	378.111	2.327	
						375	376.309					
24	TANGENT POINT	319802.903	5868485.530	0	0	825	375.880	825	375.880	378.134	2.254	
25	TANGENT POINT	319812.636	5868462.249	0	0	825	376.234	825	376.234	378.491	2.257	
26	SIDE ENTRY PIT	319824.651	5868418.745	1200	900	825	376.916	825	376.866	379.163	2.297	
						375	377.316					
27	JUNCTION PIT	319831.842	5868392.353	1200	1200	675	377.471	825	377.321	379.748	2.427	
						600	377.546					
28	DOUBLE SIDE ENTRY PIT	319839.500	5868364.979	1200	1900	675	377.947	675	377.897	380.000	2.103	DOUBLE SIDE ENTRY PIT AS PER IDM SD445
						375	378.197					
29	TANGENT POINT	319850.393	5868325.255	0	0	675	378.524	675	378.524	380.609	2.085	
30	TANGENT POINT	319854.684	5868314.933	0	0	675	378.681	675	378.681	380.790	2.109	
31	SIDE ENTRY PIT	319855.895	5868312.811	900	900	675	378.715	675	378.715	380.834	2.119	
						375	379.015					
32	TANGENT POINT	319856.523	5868311.710	0	0	675	378.736	675	378.736	380.855	2.119	
33	TANGENT POINT	319865.712	5868299.523	0	0	675	378.988	675	378.988	381.108	2.120	
34	SIDE ENTRY PIT	319894.008	5868270.550	900	900	675	379.782	675	379.656	381.717	2.061	
						375	379.929					
35	END OF LINE	319915.249	5868248.801	0	0			675	380.283	382.249	1.966	
36	SIDE ENTRY PIT	319790.173	5868479.976	600	900			375	376.402	378.002	1.600	
37	SIDE ENTRY PIT	319811.349	5868415.071	600	900			375	377.454	379.053	1.599	
38	DOUBLE SIDE ENTRY PIT	319826.198	5868361.306	600	1900			375	378.291	379.890	1.599	DOUBLE SIDE ENTRY PIT AS PER IDM SD445
39	SIDE ENTRY PIT	319843.834	5868306.099	600	900			375	379.138	380.704	1.566	
40	SIDE ENTRY PIT	319884.243	5868261.013	600	900			375	380.021	381.620	1.599	
41	DOUBLE SIDE ENTRY PIT	319839.587	5868388.894	900	1900	600	377.858	600	377.808	380.016	2.208	DOUBLE SIDE ENTRY PIT AS PER IDM SD445
						375	378.033					
42	JUNCTION PIT	319889.807	5868402.763	900	900	600	378.639	600	378.589	380.863	2.274	
43	JUNCTION PIT	319903.471	5868406.529	900	900	600	378.860	600	378.810	381.131	2.321	
44	SIDE ENTRY PIT	319914.553	5868407.512	900	900	525	379.069	600	378.994	381.317	2.323	
						375	379.219					
45	SIDE ENTRY PIT	319956.605	5868402.103	900	900	450	379.823	525	379.748	382.118	2.370	
						375	379.898					
46	SIDE ENTRY PIT	319977.825	5868399.344	900	900	450	380.297	450	380.247	382.524	2.277	
						375	380.322					
47	JUNCTION PIT	320030.879	5868392.462	900	900	450	381.204	450	381.154	383.554	2.400	
48	SIDE ENTRY PIT	320039.450	5868397.498	600	900	450	381.415	450	381.365	383.676	2.311	
						375	381.440					
49	SIDE ENTRY PIT	320045.287	5868391.737	600	900	375	381.622	450	381.547	383.681	2.134	



- NOTES:
- ALL DRAINAGE WORKS TO BE IN ACCORDANCE WITH THE INFRASTRUCTURE DESIGN MANUAL (IDM) AND ASSOCIATED STANDARD DRAWINGS AS REFERENCED WITHIN THE PIT SCHEDULE.
  - STANDARD DRAWINGS REFER TO IDM UNLESS SPECIFIED OTHERWISE.
    - JUNCTION PITS ON BACK OF KERB/WITHIN ROAD RESERVES AS PER IDM SD420.
    - JUNCTION PITS IN EASEMENTS AS PER IDM SD425.
    - SIDE ENTRY PITS IN B2 KERBS AS PER IDM SD430.
  - PITS DEEPER THAN 100m SHALL BE FITTED WITH STEP IRONS AS PER VICROADS SD 104.1.
  - COVER LEVELS ARE TO BE SET TO MATCH THE FINISHED SURFACE PROFILES AND ADJACENT CONSTRUCTION. COVER TYPE IS TO BE AS PER STANDARD DRAWING REFERENCED UNLESS SPECIFIED OTHERWISE.
  - PITS ARE TO BE HAUNCHED TOWARDS THE NATURE STRIP, TO THE INTERNAL WIDTH/LENGTH SPECIFIED IN THE PIT SCHEDULE IN ACCORDANCE WITH IDM SD410 UNLESS SPECIFIED OTHERWISE.
  - END PIPES ARE TO BE BLOCKED TO COUNCIL SATISFACTION WITH MARINE GRADE PLYWOOD OR SIMILAR.
  - SET OUT COORDINATES PROVIDED ARE TO THE CENTRE OF THE PIT BASE AS PER SETOUT DETAIL.



C:\3265\4414\5303\3265-01\_02\Design\A40\3265-01-400-DL.dwg 4/20/2024 4:55 PM MWFA TABIENA

B	04.04.24	NT	<i>[Signature]</i>	PIT SCHEDULE REVISED	
A	07.02.24	NT	KCL B. J-MONCK	INITIAL ISSUE	
REV	DATE	DRN	CKD	APP	AMENDMENT

COPYRIGHT  
The concepts and information contained in this document are the Copyright of Cossill & Webley Consulting Engineers. Use or copying of the document in whole or part without the written permission of Cossill & Webley Consulting Engineers constitutes an infringement of copyright.

This plan is not to be used for construction unless issued as revision 0 or higher

**Cossill & Webley**  
CONSULTING ENGINEERS

Street Address  
Level 20, 390 St Kilda Road W cossillwebley.com.au  
Melbourne VIC 3004 T (03) 8548 1560  
E Melbourne.Reception@cosweb.com.au

CLIENT **JINDING**

APPROVED: PE 0005549 *[Signature]*

DESIGNED **A. MAY**

SCALE N.T.S.

PROJECT **BROADSTEAD - STAGE 01**

TITLE **DRAINAGE PIT SCHEDULE (SHEET 1 OF 2)**

MUNICIPALITY **MITCHELL SHIRE COUNCIL**

PP No. **PLP430/22**

DRAWING No. **3265-01-420**

REVISION **B**

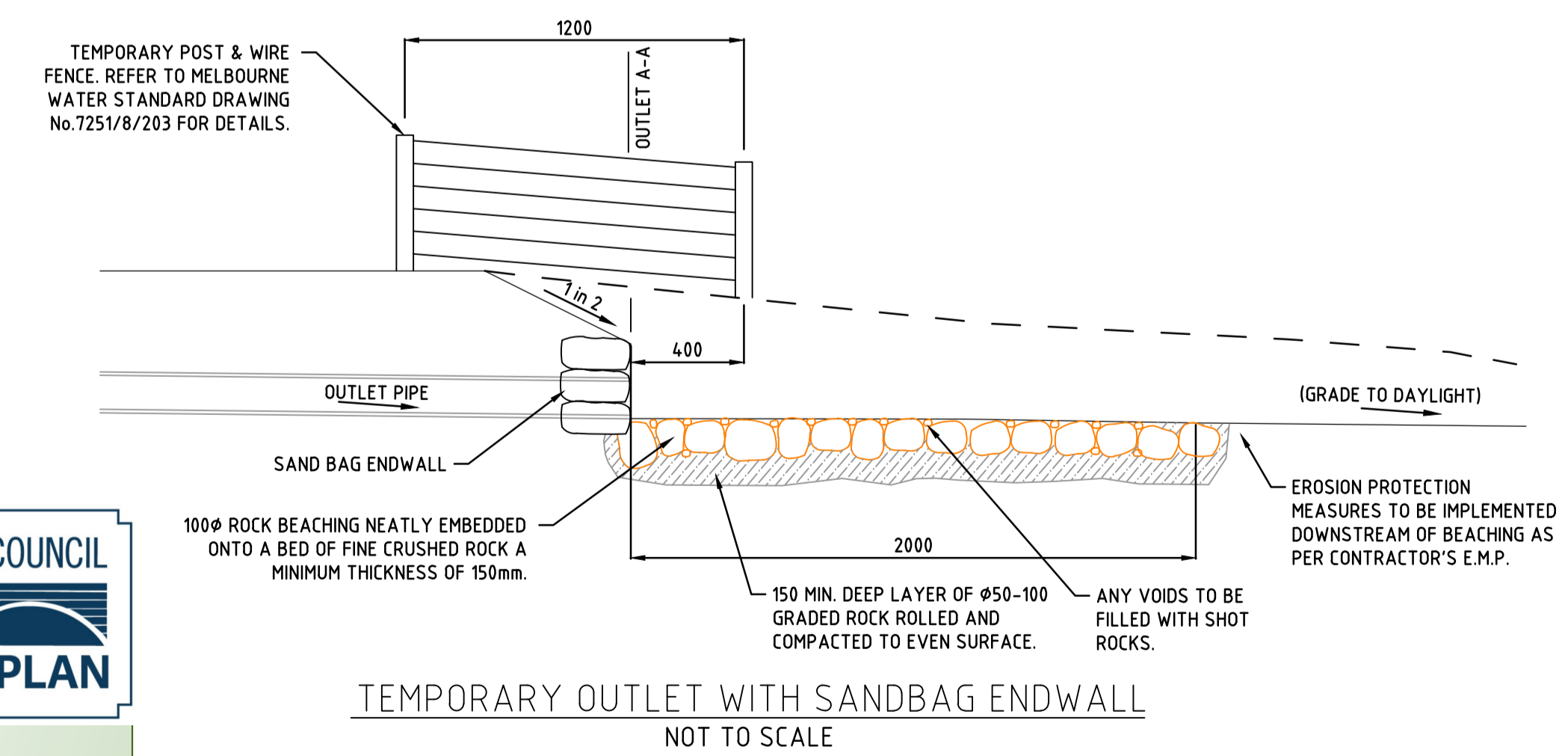
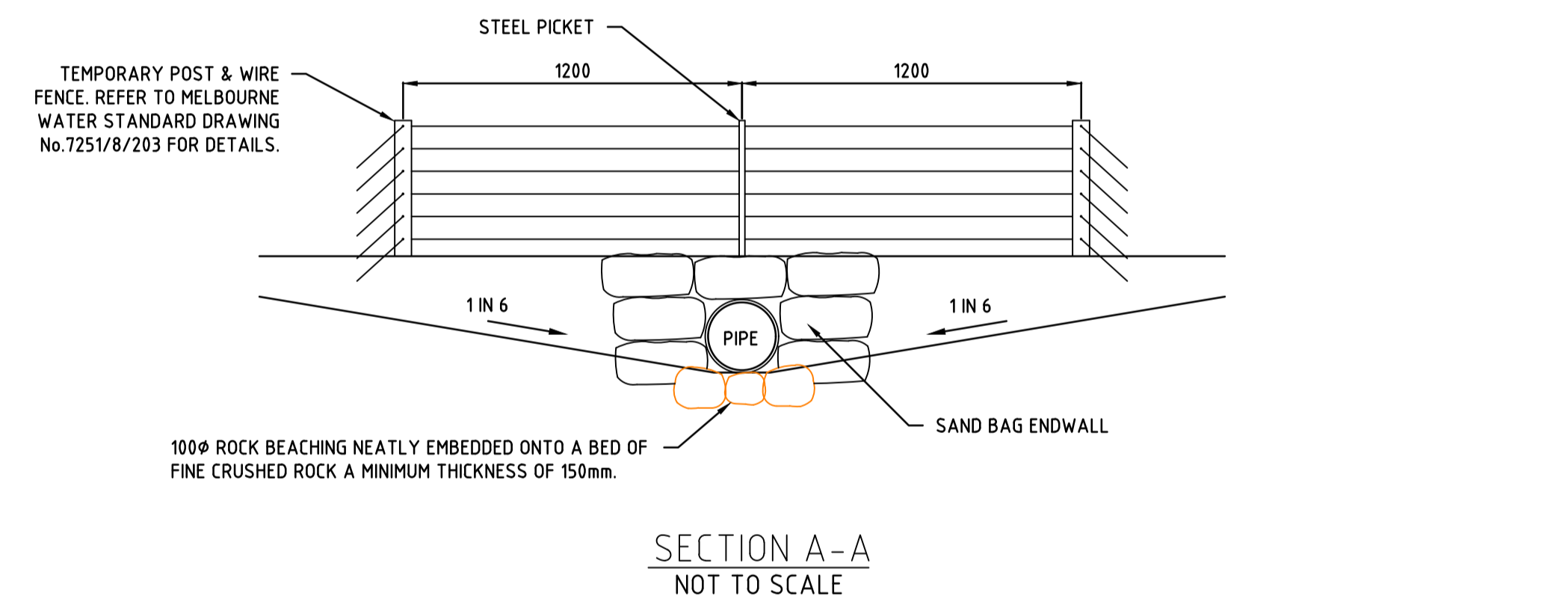
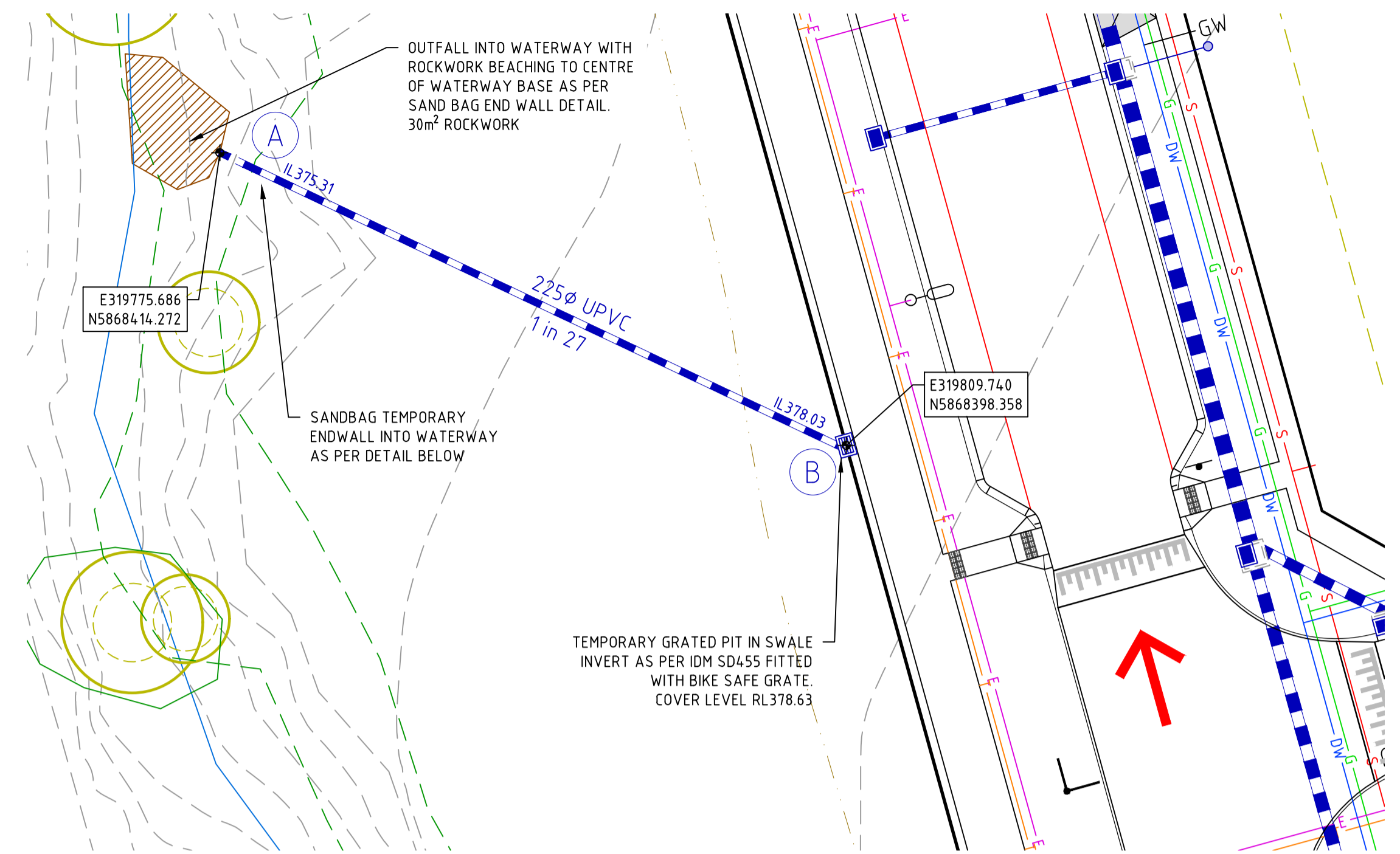
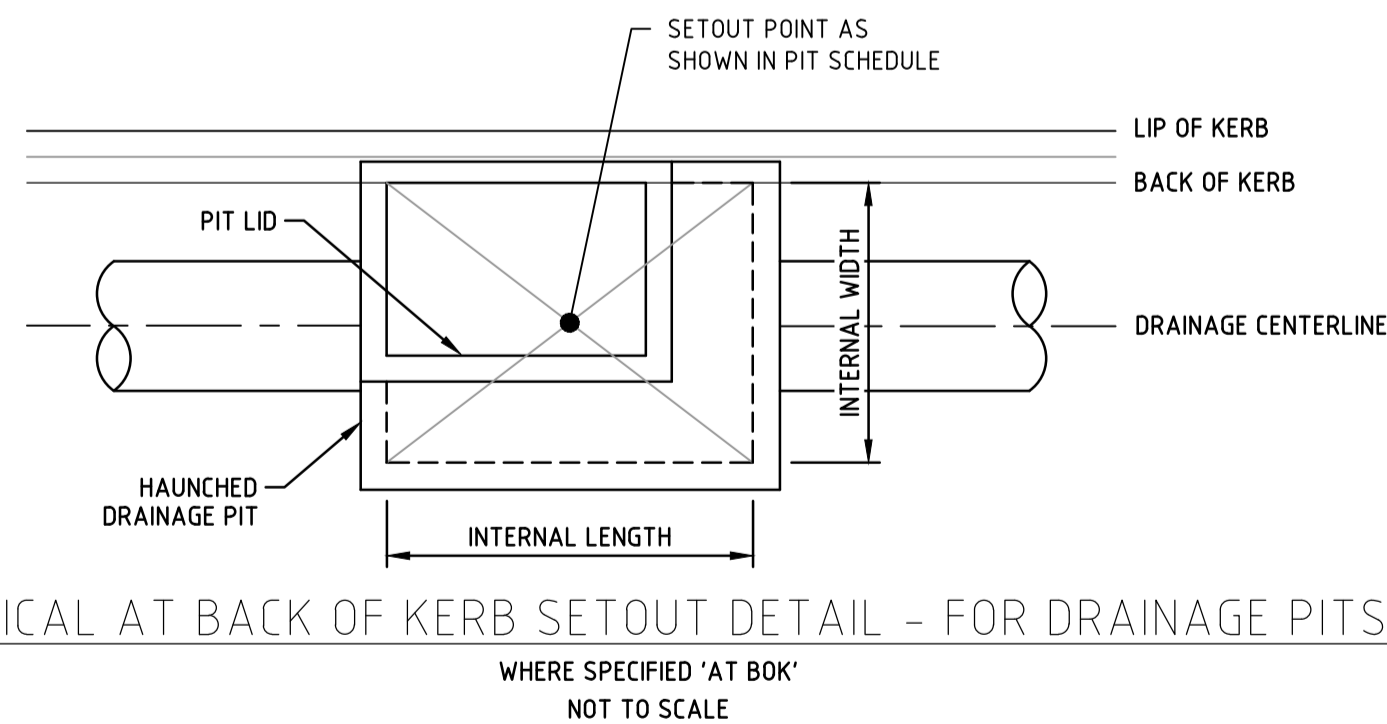
ORIGINAL SIZE **A1**

**PIT SCHEDULE**

PIT NAME	TYPE	EASTING	NORTHING	INTERNAL WIDTH	INTERNAL LENGTH	INLET DIA	INLET IL	OUTLET DIA	OUTLET IL	PIT SETOUT RL	PIT DEPTH	REMARKS
50	SIDE ENTRY PIT	320045.437	5868379.489	600	900	375	381.971	375	381.921	383.841	1.920	
51	JUNCTION PIT	320070.613	5868353.710	600	900	300	382.025	375	382.750	384.465	1.715	
52	JUNCTION PIT	320126.498	5868407.961	600	900	-	-	300	385.600	386.848	1.248	
53	DOUBLE SIDE ENTRY PIT	31984.1810	5868380.845	600	1900	375	378.388	375	378.338	380.014	1.676	DOUBLE SIDE ENTRY PIT AS PER IDM SD445
54	JUNCTION PIT	319867.596	5868387.967	600	900	375	378.808	375	378.758	380.373	1.615	
55	SIDE ENTRY PIT	319892.029	5868394.715	600	900	-	-	375	379.336	380.855	1.519	
56	JUNCTION PIT	319881.771	5868336.633	600	900	300	380.351	300	380.301	381.647	1.346	
57	JUNCTION PIT	319887.848	5868324.828	600	900	300	380.579	300	380.529	381.901	1.372	
58	END OF LINE	319918.510	5868293.221	-	-	300	381.282	300	381.282	382.613	1.331	
59	SIDE ENTRY PIT	319915.943	5868398.969	600	900	-	-	375	379.653	381.351	1.698	
60	SIDE ENTRY PIT	319955.528	5868393.823	600	900	375	380.116	375	380.066	382.110	2.044	
61	SIDE ENTRY PIT	31994.6.040	5868386.384	600	900	375	380.248	375	380.198	381.979	1.781	
62	JUNCTION PIT	31994.2.616	5868360.050	600	900	375	380.778	375	380.728	382.349	1.621	
63	JUNCTION PIT	31994.2.683	5868352.893	600	900	375	380.875	375	380.825	382.490	1.665	
64	JUNCTION PIT	31994.5.771	5868343.934	600	900	375	380.990	375	380.940	382.678	1.738	
65	SIDE ENTRY PIT	319950.190	5868338.185	600	900	375	381.089	375	381.039	382.820	1.781	
66	END OF LINE	319977.150	5868310.795	-	-	375	381.852	375	381.852	383.481	1.629	
67	SIDE ENTRY PIT	319937.928	5868387.590	600	900	-	-	375	380.303	381.978	1.675	
68	SIDE ENTRY PIT	31994.4.324	5868332.455	600	900	-	-	375	381.145	382.820	1.675	
69	SIDE ENTRY PIT	319978.979	5868390.774	600	900	375	380.933	375	380.883	382.559	1.676	
70	JUNCTION PIT	319977.415	5868376.002	600	900	375	381.541	375	381.491	383.018	1.527	
71	JUNCTION PIT	320031.400	5868320.725	600	900	300	383.316	375	383.241	384.482	1.241	
72	JUNCTION PIT	320045.709	5868334.699	600	900	-	-	300	383.455	384.588	1.133	
73	SIDE ENTRY PIT	320064.405	5868421.870	600	900	375	383.344	375	383.294	385.051	1.757	
74	SIDE ENTRY PIT	320070.779	5868416.633	600	900	375	383.450	375	383.400	385.088	1.688	
75	JUNCTION PIT	320079.083	5868427.469	600	900	-	-	375	383.810	385.476	1.666	
76	SIDE ENTRY PIT	319809.575	5868503.758	600	900	375	376.780	450	376.705	378.462	1.757	
77	JUNCTION PIT	319836.660	5868500.236	600	900	375	377.844	375	377.794	379.359	1.565	
78	JUNCTION PIT	31984.8.495	5868457.126	900	900	375	378.983	375	378.933	380.188	1.255	
79	JUNCTION PIT	319852.290	5868454.852	600	900	375	379.107	375	379.057	380.436	1.379	
80	JUNCTION PIT	319910.643	5868447.155	600	900	300	380.863	375	380.788	382.149	1.361	
81	JUNCTION PIT	319989.964	5868436.842	600	900	300	382.353	300	382.303	383.482	1.179	
82	JUNCTION PIT	320045.490	5868429.629	600	900	300	383.447	300	383.397	384.552	1.155	
83	JUNCTION PIT	32004.7.943	5868448.456	600	900	-	-	300	383.789	384.835	1.046	
84	SIDE ENTRY PIT	319867.119	5868496.276	600	900	-	-	375	378.782	380.457	1.675	
85	DOUBLE SIDE ENTRY PIT	31994.3.278	5868486.375	600	1900	-	-	375	381.423	383.099	1.676	DOUBLE SIDE ENTRY PIT AS PER IDM SD445
86	SIDE ENTRY PIT	319998.216	5868479.232	600	900	-	-	375	381.850	383.694	1.844	
87	SIDE ENTRY PIT	320094.539	5868466.709	600	900	375	384.112	375	384.062	385.738	1.676	
88	JUNCTION PIT	320144.668	5868460.191	600	900	-	-	375	385.285	386.804	1.519	
89	SIDE ENTRY PIT	320170.070	5868454.263	600	900	-	-	375	385.697	387.373	1.676	
90	SIDE ENTRY PIT	320039.559	5868373.772	600	900	-	-	375	382.053	383.841	1.788	
91	SIDE ENTRY PIT	320069.650	5868469.944	600	900	-	-	375	383.491	385.167	1.676	

**NOTES:**

- ALL DRAINAGE WORKS TO BE IN ACCORDANCE WITH THE INFRASTRUCTURE DESIGN MANUAL (IDM) AND ASSOCIATED STANDARD DRAWINGS AS REFERENCED WITHIN THE PIT SCHEDULE.
- STANDARD DRAWINGS REFER TO IDM UNLESS SPECIFIED OTHERWISE.
  - JUNCTION PITS ON BACK OF KERB/WITHIN ROAD RESERVES AS PER IDM SD420.
  - JUNCTION PITS IN EASEMENTS AS PER IDM SD425.
  - SIDE ENTRY PITS IN B2 KERBS AS PER IDM SD430.
- PITS DEEPER THAN 100m SHALL BE FITTED WITH STEP IRONS AS PER VICROADS SD 1041.
- COVER LEVELS ARE TO BE SET TO MATCH THE FINISHED SURFACE PROFILES AND ADJACENT CONSTRUCTION. COVER TYPE IS TO BE AS PER STANDARD DRAWING REFERENCED UNLESS SPECIFIED OTHERWISE.
- PITS ARE TO BE HAUNCHED TOWARDS THE NATURE STRIP, TO THE INTERNAL WIDTH/LENGTH SPECIFIED IN THE PIT SCHEDULE IN ACCORDANCE WITH IDM SD410 UNLESS SPECIFIED OTHERWISE.
- END PIPES ARE TO BE BLOCKED TO COUNCIL SATISFACTION WITH MARINE GRADE PLYWOOD OR SIMILAR.
- SET OUT COORDINATES PROVIDED ARE TO THE CENTRE OF THE PIT BASE AS PER SETOUT DETAIL.



**MITCHELL SHIRE COUNCIL**  
**APPROVED PLAN**  
 APPROVED  
 By Basir Azizi at 8:43 am, Jul 05, 2024

C:\3265\441\5303\3265-01\_02\Design\441\3265-01-400-DL.dwg 7/4/2024 5:08 PM ADAM MAY

C	04.07.24	AM	CAJ	TEMPORARY SWALE OUTLET DETAILS ADDED	
B	04.04.24	NT	KCL	PIT SCHEDULE REVISED	
A	07.02.24	NT	KCL	INITIAL ISSUE	
REV	DATE	DRN	CKD	APP	AMENDMENT

PROJECT	BROADSTEAD - STAGE 01
TITLE	DRAINAGE PIT SCHEDULE (SHEET 2 OF 2)
MUNICIPALITY	MITCHELL SHIRE COUNCIL
PP No.	PLP430/22
DRAWING No.	3265-01-421
REVISION	C

**Cossill & Webley**  
 CONSULTING ENGINEERS  
 Street Address  
 Level 20, 390 St Kilda Road W cossillwebley.com.au  
 Melbourne VIC 3004 T (03) 8548 1580  
 E Melbourne.Reception@cosweb.com.au

**JINDING**  
 APPROVED PE 0005549  
 DESIGNED  
 A. MAY  
 SCALE  
 N.T.S.

**ORIGINAL SIZE**  
 A1