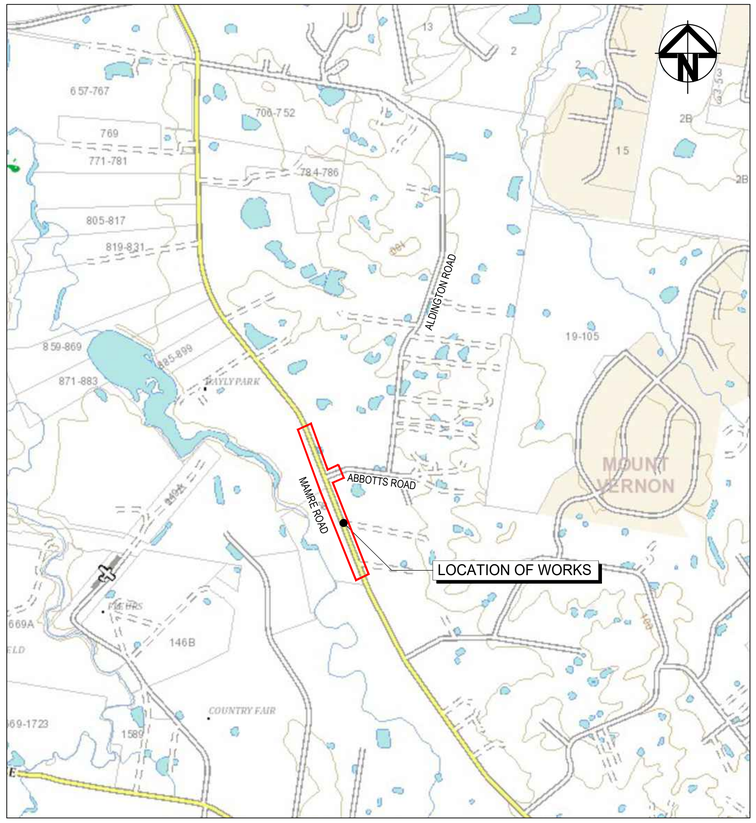
MR536 MAMRE ROAD AND ABBOTTS ROAD

KEMPS CREEK

2000 SERIES - PROPOSED SIGNALISED INTERSECTION

CIVIL WORKS PACKAGE

100% DETAILED DESIGN



LOCALITY PLAN
NTS

CODE INDEX	
	NAME
GE	GENERAL
RD	ROAD WORKS
RL	ROAD LONG SECTIONS
RC	ROAD CROSS SECTIONS
UT	UTILITIES
SM	STORMWATER MANAGEMENT
PV	PAVEMENT
RF	ROAD FURNITURE
MS	MISCELLANEOUS / SUPPLEMENTARY

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CONTRACTOR SHALL OBTAIN ALL CURRENT SERVICE AUTHORITY PLANS PRIOR TO COMMENCEMENT OF WORK

GDA2020

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	NTS	Drawn	GB
		Designed	GB
Grid	GDA2020	Checked	AL
Height Datum	AHD	Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: COVER SHEET

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: GE-2000

Issue: 2

Date Plotted: 15 Apr 2024 - 02:30PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-01-GE-2000.dwg

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MS-2903	MAINTENANCE PLAN SHEET 3
MS-2904	MAINTENANCE PLAN SHEET 4

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Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

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Date Plotted: 15 Apr 2024 - 02:30PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-01-GE-2001.dwg

CIVIL WORKS GENERAL NOTES

GENERAL NOTES

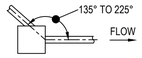
1. ALL CONSTRUCTION MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE SPECIFICATION FOR THE WORKS TOGETHER WITH THE REQUIREMENTS OF ALL RELEVANT CODES OR PRACTICE REFERRED TO THEREIN AND THE REQUIREMENTS OF ALL STATUTORY AUTHORITIES WHERE APPLICABLE.
2. DRAWINGS TO BE READ IN CONJUNCTION WITH ALL OTHER SPECIFICATIONS FOR THE PROJECT.
3. LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD).
4. CO-ORDINATES ARE TO MAP GRID AUSTRALIA (MGA) **GDA 2020 CO-ORDINATE SYSTEM** (ZONE 56).
5. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE U.N.O. ALL LEVELS, CHAINAGES, STATIONS AND CO-ORDINATES ARE EXPRESSED IN METRES.
6. WHERE REFERENCE IS MADE TO PROPRIETARY COMPONENT NAMES ON THE DRAWINGS THE CONTRACTOR MAY PROPOSE AN ALTERNATIVE PRODUCT PROVIDED THE ALTERNATIVE IS EQUIVALENT AND SATISFIES THE REQUIREMENTS OF THE SPECIFICATION AND IS APPROVED BY TfNSW.
7. ACCESS TO PROPERTIES TO BE MADE AVAILABLE BY THE CONTRACTOR AT ALL TIMES DURING CONSTRUCTION U.N.O.
8. ALL WORK TO BE UNDERTAKEN IN ACCORDANCE WITH THE VERSION OF TfNSW STANDARDS LATEST AT THE TIME OF TENDER U.N.O.
9. WHERE AREAS ARE SHOWN AS BEING "ON HOLD" ON PLANS, ALL CORRESPONDING LONGITUDINAL SECTIONS, CROSS SECTIONS, DRAINAGE, PAVEMENTS AND OTHER DETAILS RELATING TO THAT AREA SHALL ALSO BE DEEMED TO BE "ON HOLD" U.N.O.
10. ALL WORKS WITHIN PROPERTY BOUNDARY SUBJECT TO AGREEMENT WITH PROPERTY OWNER.
11. ALL LOCATIONS, ORIENTATION AND LEVELS SHALL BE VERIFIED ON SITE BEFORE COMMENCING ANY WORK. REFER DISCREPANCIES TO THE PRINCIPAL'S REPRESENTATIVE. DO NOT OBTAIN DIMENSIONS FROM SCALING. EXISTING SURFACE LEVELS ON THE DRAWINGS ARE INDICATIVE ONLY.
12. FOR TfNSW STANDARD SUPPLEMENTARY DRAWING INDEX REFER DRAWING 21-843-C2003.

SAFETY - IN - DESIGN INFORMATION

1. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH TfNSW STANDARD G22. THIS DOCUMENT LISTS SOME DESIGN RELATED WORK HEALTH AND SAFETY HAZARDS ASSOCIATED WITH THE PROJECT DESIGN, CONSTRUCTION AND OPERATION. THERE MAY BE OTHER HAZARDS AND RISKS NOT STATED IN THIS DOCUMENT. THIS DOCUMENT DOES NOT RELIEVE THE CONTRACTOR OF ITS OBLIGATIONS UNDER THE CONTRACT AND RELEVANT LEGISLATION.
2. REFER TO SID REPORT AND THE DESIGN REPORT FOR SID INFORMATION.

DRAINAGE GENERAL

1. THE DOCUMENTED DRAINAGE SYSTEM IS DETAILED ONLY FOR THE PERMANENT ROAD CONFIGURATION U.N.O. CONSTRUCTION REQUIREMENTS SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
2. PIPES THROUGH PITS ARE TO BE ALIGNED WITH UPSTREAM PIPE CENTRELINE TO OUTLET PIPE CENTRELINE AT DOWNSTREAM PIT FACE AS SHOWN;



3. ANY PERMITS FOR DIVERSION WORKS REQUIRED DURING CONSTRUCTION SHALL BE OBTAINED PRIOR TO CONSTRUCTION WORKS BY THE CONTRACTOR FROM THE PRINCIPAL.
4. EXISTING STORMWATER DRAINAGE PIPES AND MANHOLES WITHIN THE LIMITS OF WORK SHALL BE REMOVED OR MODIFIED AS SPECIFIED. ANY EXPOSED EXISTING REINFORCEMENT TO BE PROTECTED IN ACCORDANCE WITH REQUIREMENTS FOR NEW CONSTRUCTION.
5. EXISTING STORMWATER PIPES OR CULVERTS THAT ARE IDENTIFIED TO BE ABANDONED SHALL BE REMOVED WITH APPROPRIATE TREATMENT AND IN ACCORDANCE WITH TfNSW STANDARD SPECIFICATIONS.
6. IN LOCATIONS WHERE NEW PAVEMENT OR ROAD WIDENING WORKS ARE PROPOSED, ANY NEW PIPES WITH LESS THAN 600 mm COVER BELOW FINISHED ROAD LEVEL SHALL BE CONCRETE ENCASED.
7. DURING CONSTRUCTION ANY EXCAVATIONS SHALL BE SECURELY SHORED AND BENCHED TO PREVENT THE SIDES OF THE EXCAVATION FROM COLLAPSING. ALL TRENCHES SHALL BE SHORED OR BENCHED TO COMPLY WITH THE NSW CONSTRUCTION SAFETY ACT.

LONGITUDINAL AND TRANSVERSE PAVEMENT DRAINAGE

1. ALL PIPES ARE TO BE STEEL REINFORCED SPUN CONCRETE (U.N.O). ALL CONCRETE PIPES TO HAVE HS3 TYPE INSTALLATION AS PER TfNSW R0240-01.
2. ALL NEW LONGITUDINAL DRAINAGE TRENCHES SHALL BE BACKFILLED IN THE SIDE, OVERLAY AND BACKFILL ZONES AND SELECT MATERIAL ZONE OF PAVEMENT WITH TYPE SO MATERIAL AS SPECIFIED IN TfNSW SPECIFICATION R11. (U.N.O).
3. CONCRETE PIPE CLASSES HAVE BEEN DETERMINED BASED ON TYPE HS3 SUPPORT, FINISHED SURFACE LEVEL AND TRENCH OR EMBANKMENT CONDITION INSTALLATION TO AS3725 AND SPECIFICATION (U.N.O). CONCRETE PIPES ARE TO BE RUBBER RING JOINTED SPIGOT AND SOCKET TYPE (U.N.O).
4. MINIMUM COVER TO ALL NEW PIPES TO BE 300 mm BELOW THE UNDERSIDE OF THE SELECTED MATERIAL ZONE (U.N.O).
5. CONNECTION BETWEEN PIPES AND STRUCTURES TO BE UNDERTAKEN IN ACCORDANCE WITH TfNSW SPECIFICATION AND DRAWINGS (U.N.O).
6. PIPE LENGTHS PROVIDED IN DRAINAGE LONG SECTIONS ARE CALCULATED FROM PIT REFERENCE POINT TO PIT REFERENCE POINT.

EXISTING STORMWATER PIPES

1. EXISTING STORMWATER DRAINAGE PIPE AND PIT LAYOUT SHOWN IN THE DRAWINGS ARE INDICATIVE ONLY. ALL LOCATIONS, ORIENTATION AND LEVELS OF EXISTING SHALL BE VERIFIED ON SITE BY THE CONTRACTOR BEFORE COMMENCING ANY WORK. REFER DISCREPANCIES OR ISSUES TO THE PRINCIPAL.
2. WHERE AN EXISTING PIT HAS ONLY ONE PIPE OUTLET, THE SETOUT / REFERENCE POINT OF THE EXISTING PIT IS BASED ON THE SURVEYED PIPE INVERT LEVEL.
3. WHERE EXISTING PIT HAS TWO OR MORE CONNECTION PIPES, THE SETOUT / REFERENCE OF THE EXISTING PIT IS BASED ON THE INTERSECTION POINT OF THE CENTERLINE OF EACH PIPE.
4. IN LOCATIONS WHERE NEW PAVEMENT OR ROAD WIDENING WORKS ARE PROPOSED, ANY EXISTING RETAINED PIPES WITH LESS THAN 600 mm COVER BELOW FINISHED ROAD LEVEL SHALL BE CONCRETE ENCASED.
5. WHERE A CONNECTION IS MADE TO AN EXISTING DRAINAGE PIPE OR PIT, THEN THE LEVEL OF THAT ELEMENT MUST BE SURVEYED AND ANY DISCREPANCIES SUBMITTED TO THE PRINCIPAL PRIOR TO COMMENCEMENT OF CONSTRUCTION.

SUBSURFACE DRAINAGE

1. REFER TO SUBSURFACE DRAINAGE DRAWINGS FOR LOCATIONS, PATHS AND DETAILS. SUBSURFACE DRAINAGE/TRENCH DRAINS SHALL CONFORM TO TfNSW R33.

DRAINAGE STRUCTURES

1. ALL CONCRETE SHALL BE IN ACCORDANCE WITH TfNSW QA SPECIFICATION R53 U.N.O.
2. DRAINAGE STRUCTURES HAVE BEEN DESIGNED IN ACCORDANCE WITH AS3600 (U.N.O).
3. DESIGN LOADS HAVE BEEN DETERMINED IN ACCORDANCE WITH AS 5100.2. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND PROVISION OF ANY TEMPORARY BRACING, PROPPING, ETC. REQUIRED DURING CONSTRUCTION. STRUCTURES SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART SHALL BE OVERSTRESSED.
4. FOUNDATION SUPPORT FOR DRAINAGE STRUCTURES TO BE PROVIDED IN ACCORDANCE TO TfNSW SPECIFICATION R11.
5. INADEQUATE FOUNDING MATERIAL FOR PIPES AND STRUCTURES SHALL BE REMOVED OR IMPROVED IN ACCORDANCE WITH TfNSW SPECIFICATION R11.
6. TfNSW STANDARD DETAILS TO BE ADOPTED ONLY WHERE REFERENCED.
7. STEEL GRATES AND FRAMES ARE TO BE FABRICATED FROM MILD STEEL AND HOT DIP GALVANISED. ALL GRATES ARE TO BE CLASS D (U.N.O). GRATES AND FRAMES WITHIN THE PAVEMENT SURFACE (INCLUDES ADJOINING SO GUTTER) ARE TO BE BICYCLE SAFE IN ACCORDANCE WITH AS 3996 (U.N.O).
8. ALL WELDS TO COMPLY WITH AUSTRALIAN STANDARD AS 1554.1. FILLET WELDS TO BE NOT LESS THAN 6 mm (U.N.O).
9. ALL GALVANISING TO BE IN ACCORDANCE WITH AS/NZS 2312 AND AS/NZS 4680. GALVANISING TO THREADED FASTENERS TO BE IN ACCORDANCE WITH AS 1214. MINIMUM GALVANISING 600 g/sqm OTHER THAN ON FASTENERS.
10. GRATE SUPPORT TO BE CONSTRUCTED LEVEL TO ENSURE THAT THE GRATE DOES NOT ROCK AFTER INSTALLATION.
11. FOR LOCATION AND LEVEL OF PITS AND HEADWALLS REFER TO DRAINAGE DRAWING LONG SECTIONS AND SCHEDULES.
12. CONSTRUCTION JOINT PREPARATION: EXISTING CONCRETE SURFACE TO BE CLEANED, SCABBLED AND ROUGHENED IN ACCORDANCE WITH TfNSW SPECIFICATION R53, PRIOR TO CASTING OF NEW PIT SECTION.
13. MINIMUM 28 DAY CONCRETE COMPRESSIVE STRENGTH AND NOMINAL COVER TO REINFORCEMENT (U.N.O): CAST IN-SITU - CAST AGAINST GROUND: 40 MPa/80 mm. CAST IN-SITU - ELSEWHERE: 40 MPa/80 mm.
14. MINIMUM 28 DAY CONCRETE COMPRESSIVE STRENGTH AND NOMINAL COVER TO REINFORCEMENT FOR CONCRETE CASING TO PIPES (U.N.O): 25 MPa/60 mm.
15. EDGES SHALL BE CHAMFERED 20 x 20.
16. ALL REINFORCEMENT BARS TO BE IN ACCORDANCE WITH AS/NZS 4671.
17. ALL BARS SHALL BE GRADE D500N DEFORMED RIBBED BAR U.N.O.
18. ALL EXPOSED STEEL TO BE GALVANISED IN ACCORDANCE WITH AS1214 AND TO BE 375 g/m².
19. LAPS NOT SHOWN ON THE DRAWINGS SHALL BE STAGGERED SO THAT NO MORE THAN 50% OF BARS ARE LAPPED IN ANY CROSS SECTION.
20. ALL LAPPED PORTIONS OF BARS SHALL BE IN CONTACT. REINFORCEMENT IS REPRESENTED DIAGRAMMATICALLY AND NOT NECESSARILY IN TRUE PROJECTION.
21. ALL PIT GRATES AND FRAMES TO BE "MEDIUM / HEAVY TRAFFICABLE" BIKE SAFE CLASS "D" GRATES AND FRAMES TO AS3996.
22. EXPOSED SAWCUT REINFORCEMENT BARS TO BE TREATED WITH CORROSION INHIBITING COATING.

UTILITIES

1. FOR UTILITIES THAT HAVE BEEN RELOCATED OR REQUIRE ADJUSTMENT FOR THE WORKS, REFER TO INDIVIDUAL UTILITY DIVERSION DRAWINGS AND DETAILS FROM THE RELEVANT UTILITY AUTHORITY.
2. IN ORDER TO AVOID DAMAGE TO THE UTILITIES THE CONTRACTOR SHALL BE RESPONSIBLE FOR CO-ORDINATING THE WORKS ADJACENT TO ANY UTILITY WITH THE RELEVANT UTILITY AUTHORITY IN ACCORDANCE WITH THE AUTHORITY REQUIREMENTS.
3. THE CONTRACTOR SHALL CO-ORDINATE WITH THE RELEVANT UTILITY AUTHORITIES AND THE PRINCIPAL WITH RESPECT TO ANY TEMPORARY DIVERSIONS NECESSARY FOR CONSTRUCTION STAGING WORKS.
4. PRIOR TO THE START OF EXCAVATION, ALL PROPOSED TEMPORARY EXCAVATIONS FOR UTILITIES NEAR CUT OR FILL BATTERS ARE TO BE ASSESSED ON SITE BY THE CONTRACTORS OR GEOTECHNICAL ENGINEER FOR POTENTIAL IMPACT ON BATTER STABILITY DURING CONSTRUCTION.
5. FOR UTILITY INFORMATION REFER TO UTILITY PLANS.
6. LOCATION AND LEVEL OF ALL SERVICES CROSSING PROPOSED DRAINAGE MUST BE OBTAINED BY CONTRACTOR PRIOR TO CONSTRUCTION. ALL LEVELS MUST BE CHECKED FOR CONFLICT WITH ANY SERVICES, AND ANY CONFLICTS TO BE RESOLVED WITH THE PRINCIPAL.
7. SERVICES SHOWN ARE INDICATIVE ONLY AND IS NOT GUARANTEED COMPLETE NOR CORRECT. CONTRACTOR SHALL CONFIRM LOCATION OF ALL SERVICES PRIOR TO COMMENCING WORK. CONTRACTOR SHALL ENSURE ADOPTED METHOD OF CONSTRUCTION WILL AVOID DAMAGE TO ALL SERVICES.
8. SERVICE AUTHORITIES SHALL BE CONTACTED PRIOR TO THE COMMENCEMENT OF WORKS FOR ARRANGEMENTS TO BE MADE REGARDING THE PROTECTION, ADJUSTMENT OR RELOCATION OF SERVICES IF NECESSARY. INFORMATION PROVIDED ON THE DRAWINGS WITH RESPECT TO SERVICES IS FOR GUIDANCE ONLY.
9. THE CONTRACTOR MUST CHECK THAT ANY CLEARANCES TO UTILITY SERVICES SPECIFIED ON THE DRAWINGS ARE ACHIEVED ON SITE.
10. ALL EXCAVATIONS MUST BE CARRIED OUT FOLLOWING THE REGULATIONS SET BY EACH INDIVIDUAL UTILITY SERVICE AUTHORITY.
11. THE CONTRACTOR MUST MAKE THEMSELVES AWARE OF AND COMPLY WITH ALL UTILITY SERVICE AUTHORITY REGULATIONS AND STANDARDS IN RELATION TO THE USE OF MACHINERY AND EQUIPMENT IN THE VICINITY OF UTILITY SERVICES.

SIGNAGE AND LINEMARKING

1. TO ELIMINATE EXCESSIVE GLARE FROM THE SURFACE OF A SIGN IT SHOULD BE TURNED APPROXIMATELY 5° AWAY FROM THE NORMAL TO THE HEADLIGHT BEAM/LINE OF SIGHT.
2. ALL SIGNAGE TO BE CLEAR OF ALL VEGETATION AND OBSTRUCTIONS.
3. SIGNS TO BE INSTALLED IN ACCORDANCE WITH AS1742.
4. CONDITION ASSESSMENT TO BE UNDERTAKEN ON ALL EXISTING SIGN FACES TO BE RELOCATED PRIOR TO BEING REUSED IN ACCORDANCE WITH RELEVANT SPECIFICATIONS AND STANDARDS AS DIRECTED BY PRINCIPAL.
5. ALL EXISTING LINEMARKING AFFECTED BY THE NEW WORKS AND NOT OTHERWISE CONFLICTING WITH PROPOSED LINEMARKING IS TO BE REINSTATED.
6. ALL LINEMARKING TO BE THERMOPLASTIC IN ACCORDANCE WITH SPECIFICATION R141.
7. FOR MESSAGES ON PAVEMENTS REFER TO TfNSW DELINEATION GUIDELINE SECTION 9.
8. RAISED PAVEMENT MARKERS SHALL BE PLACED ON ALL LANE, EDGE AND BARRIER LINES. SPACING OF RAISED PAVEMENT MARKERS SHALL BE IN ACCORDANCE WITH TfNSW DELINEATION GUIDE AND SPECIFICATION R142.
9. THE LOCATION OF ALL EXISTING SIGNS SHALL BE CONFIRMED PRIOR TO COMMENCING WORK.
10. TYPICAL MOUNTING:
    - POST TYPE: 60.3 x 3.6 CHS AS/NZS 1163-C250L0.
    - MOUNTING HEIGHT: IN ACCORDANCE WITH AS1742, UNLESS OTHERWISE INDICATED. KERB OFFSET: 0.3 m ON VERGES AND 0.5 m MINIMUM ON ISLANDS.

TfNSW SPECIFICATIONS

GENERAL SPECIFICATIONS

G1	JOB SPECIFIC REQUIREMENTS
G2-C2	GENERAL REQUIREMENTS (MAJOR CONTRACTS
G4	PRINCIPAL'S PROJECT ACCOMMODATION
G7	UTILITY ADJUSTMENT
G10	TRAFFIC MANAGEMENT
G22	WORK HEALTH & SAFETY (CONSTRUCTION AND MAINTENANCE WORKS)
G36	ENVIRONMENTAL PROTECTION
G38	SOIL AND WATER MANAGEMENT
G40	CLEARING AND GRUBBING
G71	CONSTRUCTION SURVEYS

QUALITY MANAGEMENT SYSTEM SPECIFICATIONS

Q6	QUALITY MANAGEMENT SYSTEM (TYPE 6)

ROADWORKS SPECIFICATIONS

R11	STORMWATER DRAINAGE
R15	KERBS AND GUTTERS
R16	PRECAST REINFORCED CONCRETE BOX CULVERTS
R23	PLASTIC FLEXIBLE PIPES
R33	TRENCH DRAINS
R44	EARTHWORKS
R50	STABILISATION OF EARTHWORKS
R53	CONCRETE (FOR GENERAL USE), MORTAR AND GROUT
R63	GEOTEXTILES (SEPARATION AND FILTRATION)
R71	CONSTRUCTION OF UNBOUND AND MODIFIED PAVEMENT COURSE
R73	CONSTRUCTION OF PLANT MIXED HEAVILY BOUND PAVEMENT COURSE
R101	COLD MILLING OF ROAD PAVEMENT MATERIALS
R106	SPRAYED BITUMINOUS SURFACING (WITH CUTBACK BITUMEN)
R107	SPRAYED BITUMINOUS SURFACING (WITH POLYMER MODIFIED BINDER)
R111	SPRAYED BITUMINOUS SURFACING (WITH BITUMEN EMULSION)
R116	HEAVY DUTY DENSE GRADED ASPHALT
R132	SAFETY BARRIER SYSTEMS
R141	PAVEMENT MARKING
R142	RETROREFLECTIVE RAISED PAVEMENT MARKERS
R143	SIGNPOSTING
R173	GENERAL CONCRETE PAVING
R178	VEGETATION
R201	FENCING
R204	PROPERTY ADJUSTMENT
B80	CONCRETE WORK FOR BRIDGES

MAINTENANCE SPECIFICATIONS

M209	ROAD OPENING AND RESTORATIONS
M250	HEAVY PATCHING (FLEXIBLE)

MATERIALS SPECIFICATIONS

3051	GRANULAR BASE AND SUBBASE MATERIALS FOR SURFACED ROAD PAVEMENTS
3071	SELECTED MATERIAL FOR FORMATION LAYERS
3151	COVER AGGREGATE FOR SPRAYED BITUMINOUS SURFACING
3152	AGGREGATES FOR ASPHALT
3204	PREFORMED JOINT FILLERS FOR CONCRETE ROAD PAVEMENTS AND STRUCTURES
3211	CEMENTS, BINDERS AND FILLERS
3222	NO FINES CONCRETE (FOR SUBSURFACE DRAINAGE)
3252	POLYMER MODIFIED BINDER FOR PAVEMENTS
3253	BITUMEN FOR PAVEMENTS
3254	BITUMEN EMULSION
3258	AGGREGATE PRECOATING AGENT (FOR BITUMEN)
3259	BITUMEN ADHESION AGENT (FOR BITUMEN)
3261	CUTBACK BITUMEN
3268	AGGREGATE PRECOATING AGENT (FOR POLYMER MODIFIED BINDER)
3269	BITUMEN ADHESION AGENT (FOR POLYMER MODIFIED BINDER)
3351	ROAD MARKING PAINT
3353	GLASS BEADS (FOR APPLICATION TO ROAD MARKING MATERIALS)
3354	ADHESIVES FOR RAISED PAVEMENT MARKER INSTALLATION
3356	WATERBORNE ROAD MARKING PAINT
3357	THERMOPLASTIC ROAD MARKING MATERIAL
3400	MANUFACTURE AND DELIVERY OF ROAD SIGNS
3552	SUBSURFACE DRAINAGE PIPE (CORRUGATED PERFORATED AND NON-PERFORATED PLASTIC)
3553	SEAMLESS TUBULAR FILTER FABRIC
3580	AGGREGATE FILTER MATERIALS FOR SUBSURFACE DRAINAGE
3651	PAINTS AND THINNERS FOR STEELWORK

TRAFFIC SIGNALS

SI/TCS/8	APPENDIX A - DRAWING BOOKLET - INSTALLATION
SI/TCS/8	APPENDIX B - DRAWING BOOKLET - OTHERS
SI/TCS/8	INSTALLATION AND RECONSTRUCTION OF TRAFFIC LIGHT SIGNALS
TS101	TRAFFIC SIGNALS - NEW AND RECONSTRUCTION
TS200	REGISTER OF ITS FIELD EQUIPMENT
TS201	APPROVAL OF ITS FIELD EQUIPMENT

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CONTRACTOR SHALL OBTAIN ALL CURRENT SERVICE AUTHORITY PLANS PRIOR TO COMMENCEMENT OF WORK

GDA2020

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	NTS	Drawn	GB
		Designed	GB
Grid	GDA2020	Checked	AL
Height Datum	AHD	Approved	

TfNSW REGISTRATION No.

DS2023/001186

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: GENERAL NOTES SHEET 1

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: GE-2002

Issue: 2

100mm on Original

Date Plotted: 15 Apr 2024 - 02:30PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-01-GE-2002.dwg

TfNSW REFERENCE DRAWINGS

R0100 SOIL AND WATER MANAGEMENT

R0100 - 01 ROCK FILLED MATTRESS PROTECTION FOR CULVERTS AT INLETS AND OUTLETS (SHEET 1)
R0100 - 01 ROCK FILLED MATTRESS PROTECTION FOR CULVERTS AT INLETS AND OUTLETS (SHEET 2)
R0100 - 02 TEMPORARY SEDIMENT CONTROL BANK
R0100 - 03 JUTE MESH AND BITUMEN DRAINS
R0100 - 04 DIVERSION BANK AND OUTLET SPREADING SYSTEM (SHEET 1)
R0100 - 04 DIVERSION BANK AND OUTLET SPREADING SYSTEM (SHEET 2)
R0100 - 05 CHECK DAMS IN DRAINS AND GULLIES
R0100 - 06 DROP DOWN STRUCTURES
R0100 - 07 TEMPORARY EROSION CONTROL SILT FENCE (SHEET 1)
R0100 - 07 TEMPORARY EROSION CONTROL SILT FENCE (SHEET 2)
R0100 - 08 DROP INLET SEDIMENT TRAPS (SHEET 1)
R0100 - 08 DROP INLET SEDIMENT TRAPS (SHEET 2)
R0100 - 09 TYPICAL OUTLET SEDIMENT TRAPS
R0100 - 10 SEDIMENTATION BASIN (TYPE C SOILS)
R0100 - 11 SEDIMENTATION BASIN (TYPE D AND F SOILS)
R0100 - 12 COMBINED SEDIMENTATION AND ACCIDENTAL SPILL BASIN (SHEET 1)
R0100 - 12 COMBINED SEDIMENTATION AND ACCIDENTAL SPILL BASIN (SHEET 2)

R0210 STORMWATER DRAINAGE - HEADWALLS

R0210-15 CONCRETE HEADWALLS SINGLE CELL 300mm TO 900mm DIA WITH CONCRETE APRON (3 TO 1 BATTER OR FLATTER)
R0210-17 CONCRETE HEADWALLS DOUBLE CELL 300mm TO 900mm DIA WITH CONCRETE APRON (3 TO 1 BATTER OR FLATTER)
R0210-19 CONCRETE HEADWALLS TRIPLE CELL 300mm TO 900mm DIA WITH CONCRETE APRON (3 TO 1 BATTER OR FLATTER)

R0220 STORMWATER DRAINAGE - GULLY PITS

R0220-01 GULLY PIT TYPE SA FOR PIPE DIA. UP TO 450mm (SHEET 1)
R0220-01 GULLY PIT TYPE SA FOR PIPE DIA. UP TO 450mm (SHEET 2)
R0220-02 GULLY PIT TYPE SA, WITHOUT KERB INLET FOR SA KERB AND GUTTER
R0220-03 PRECAST CONCRETE LINTELS FOR TYPE SA GULLY PITS
R0220-04 SA GRATE AND FRAME (LARGE)
R0220-05 SA GRATE AND FRAME (SMALL)
R0220-06 GULLY PIT TYPE SE
R0220-09 GULLY PIT TYPE SF
R0220-20 GULLY PIT TYPE SL
R0220-28 GULLY PIT WIDENING FOR PIPES GREATER THAN 375mm DIA
R0220-35 INSPECTION PIT WITH SINGLE OR DOUBLE CAST IRON FRAME AND COVER
R0220-43 PIT TO PIPE CONNECTION
R0220-44 PIPE CONNECTION TO PRECAST BOX CULVERT
R0220-45 INDIVIDUAL-RUNG LADDER (STEP IRONS) FOR DRAINAGE PITS
R0210-49 CONCRETE PIPE EXTENSION

R0240 PIPES

R0240-01 INSTALLATION OF BURIED CONCRETE PIPES TYPE HS3 SUPPORT

R0300 KERB AND CHANNEL

R0300-01 STANDARD KERB AND GUTTER SHAPES (S381)
R0300-04 STANDARD VEHICULAR CROSSING FOR USE WITH TYPE SA KERB AND CHANNEL
R0300-11 KERB RAMPS (SHEET 1)
R0300-11 KERB RAMPS (SHEET 2)
R0300-11 KERB RAMPS (SHEET 3)

R0500 CLEARING AND GRUBBING

R0500-01 TREE PROTECTION (S105)

R0700 SAFETY BARRIER

R0710 - 01 W BEAM AND THRIE BEAM SAFETY BARRIERS - POST AND BLOCKOUT COMPONENTS
R0710 - 02 W BEAM AND THRIE BEAM SAFETY BARRIERS - NOTCHED BLOCKOUT
R0710 - 03 W BEAM AND THRIE BEAM SAFETY BARRIERS - POST ON BASE PLATE
R0710 - 04 W BEAM AND THRIE BEAM SAFETY BARRIERS - POST ON SLIP BASE PLATE
R0710 - 05 W BEAM SAFETY BARRIERS - ABRAHAM BLOCKOUT FOR RAISING PAIL HEIGHT ON EXISTING POST
R0710 - 06 W BEAM RAIL AND STIFFENING PIECE CONNECTION
R0710 - 08 W BEAM AND THRIE BEAM SAFETY BARRIERS - TERMINAL CONNECTORS
R0710 - 09 W BEAM AND THRIE BEAM SAFETY BARRIER - W BEAM TO THRIE BEAM TRANSITION
R0710 - 10 W BEAM NESTING RAIL AND HALF LENGTH RAIL
R0710 - 13 W BEAM RAIL - TERMINAL COMPONENT - ANCHOR PLATE
R0710 - 14 W BEAM RAIL - MAINTENANCE RAIL (FOR VARIABLE GAP CONNECTION)
R0710 - 15 W BEAM AND THRIE BEAM RAIL - FASTENER COMPONENTS - M16 MUSHROOM HEAD BOLTS & NUTS
R0710 - 16 W BEAM AND THRIE BEAM RAIL - FASTENER COMPONENTS - HEXAGON HEAD BOLTS & NUTS
R0710 - 17 W BEAM AND THRIE BEAM RAIL - POSTS - BASE PLATES AND SLIP BASE PLATES - HEXAGON HEAD BOLTS AND NUTS
R0710 - 18 W BEAM AND THRIE BEAM SAFETY BARRIER DELINEATION UNIT
R0710 - 19 AASHTO G4 W BEAM ASSEMBLY
R0710 - 22 AASHTO G4 W BEAM NESTED RAIL ASSEMBLY
R0710 - 24 W BEAM AND THRIE BEAM POST INSTALLATION - HARD GROUND AND TERMINALS

R0800 FENCING

R0800-02 RURAL ROAD BOUNDARY FENCING - TYPICAL FENCE PANEL DETAILS
R0800-08 BOUNDARY FENCING 1.8m HIGH
R0800-29 PIPE HANDRAIL DETAILS

PAVEMENT SUBSURFACE DRAINAGE

MD.R33.A04 BATTER OUTLET STRUCTURES FOR SUBSURFACE DRAINS (SHEET 1)
MD.R33.A04 BATTER OUTLET STRUCTURES FOR SUBSURFACE DRAINS (SHEET 2)
MD.R33.A06 DETAILS FOR TRENCH DRAINS (SHEET 1)
MD.R33.A06 DETAILS FOR TRENCH DRAINS (SHEET 2)
MD.R33.A07 STAGE CONSTRUCTION OF TRENCH DRAIN
MD.R33.A08 COMBINED STORMWATER AND SUBSURFACE DRAINAGE LAYOUT
MD.R37.A01 INTRA-PAVEMENT DRAINS

SHARED PATH CYCLEWAY

TS 02728 RIGID PAVEMENT CYCLEWAY

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: NTS
Grid: GDA2020
Height Datum: AHD
Drawn: GB
Designed: GB
Checked: AL
Approved:
TfNSW REGISTRATION No.: DS2023/001186

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: GENERAL NOTES SHEET 2

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: GE-2003

Issue: 2

Date Plotted: 15 Apr 2024 - 02:30PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-01-GE-2003.dwg

ALDINGTON ROAD
REFER 1000 DRAWING PACKAGE FOR DETAILS

ABBOTTS ROAD
WORKS SUBJECT TO SEPARATE APPROVAL

FUTURE STORMWATER DRAINAGE CHANNEL AS PROPOSED IN MAMRE ROAD PRECINCT STORMWATER SCHEME

FUTURE STORMWATER DRAINAGE CHANNEL AS PROPOSED IN MAMRE ROAD PRECINCT STORMWATER SCHEME

LIMIT OF INTERSECTION WORKS

TRANSMISSION EASEMENT

89.668

89.663

TC 62.443

MAMRE ROAD

LOT 8 DP253503

LOT 10 DP1296455

LOT 2 DP250002

LOT 3 DP250002

LOT 4 DP250002

LOT 5 DP250002

LOT 6 DP250002

LOT 51 DP259135

LOT 38 DP258414

LOT 39 DP258414

LOT 40 DP258414

LOT 9 DP812284

LOT 10 DP812284

LOT 1 DP30265

SHEET 1 | SHEET 2 | SHEET 3 | SHEET 4 | SHEET 5 | SHEET 6 | SHEET 7

CT 125.012 | CT 151.421 | CT 327.131 | CT 421.407 | CT 600.211 | CT 672.690 | CT 731.727 | CT 823.758 | CT 841.667 | CT 914.146 | CT 914.355 | CT 1228.761

TC 585.014

PROPOSED STRATEGIC CONCEPT SEWER PUMP STATION

KEMPS CREEK

FUTURE STORMWATER DRAINAGE CHANNEL AS PROPOSED IN MAMRE ROAD PRECINCT STORMWATER SCHEME

LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- SP2 BOUNDARY

0 50 100 150 200m

1 : 2000 @ A1

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY | ESR | Stockland | FIFECAPITAL

Scales: 1 : 2000 @ A1
Grid: GDA2020
Height Datum: AHD

Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title
GENERAL ARRANGEMENT PLAN

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
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A1

Project - Drawing No.: GE-2005
Issue: 2

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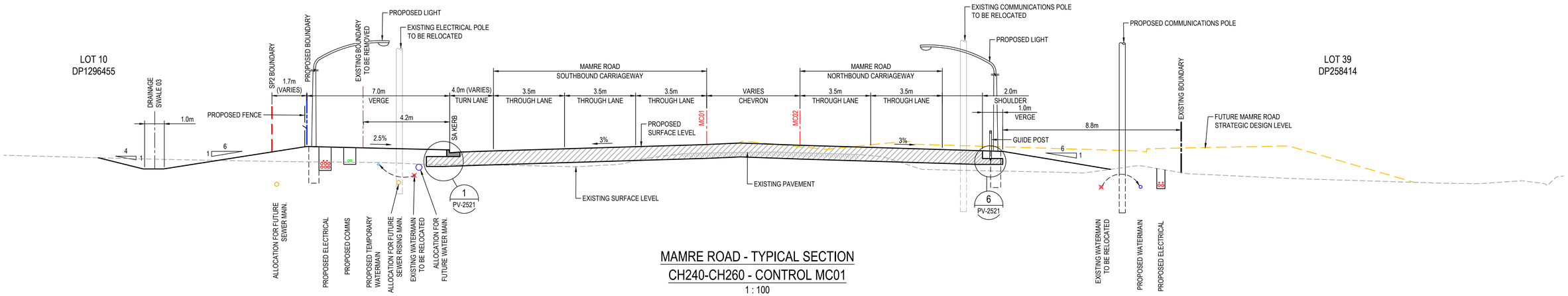
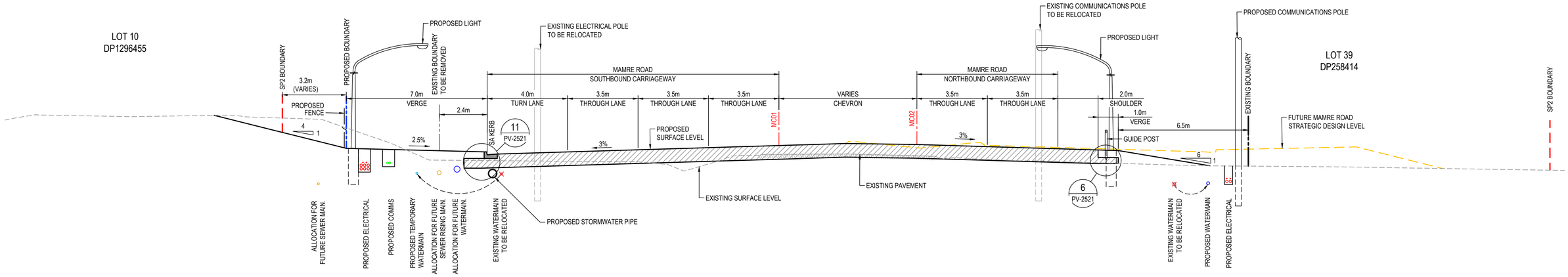


MAMRE ROAD - TYPICAL SECTION
CH240-CH260 - CONTROL MC01
1 : 100



MAMRE ROAD - TYPICAL SECTION
CH310-CH380 - CONTROL MC01
1 : 100

0 2 4 6 8 10m

1 : 100 @ A1 1 : 200 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	AS SHOWN
Grid	GDA2020
Height Datum	AHD
Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title
TYPICAL CROSS SECTIONS SHEET 1

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
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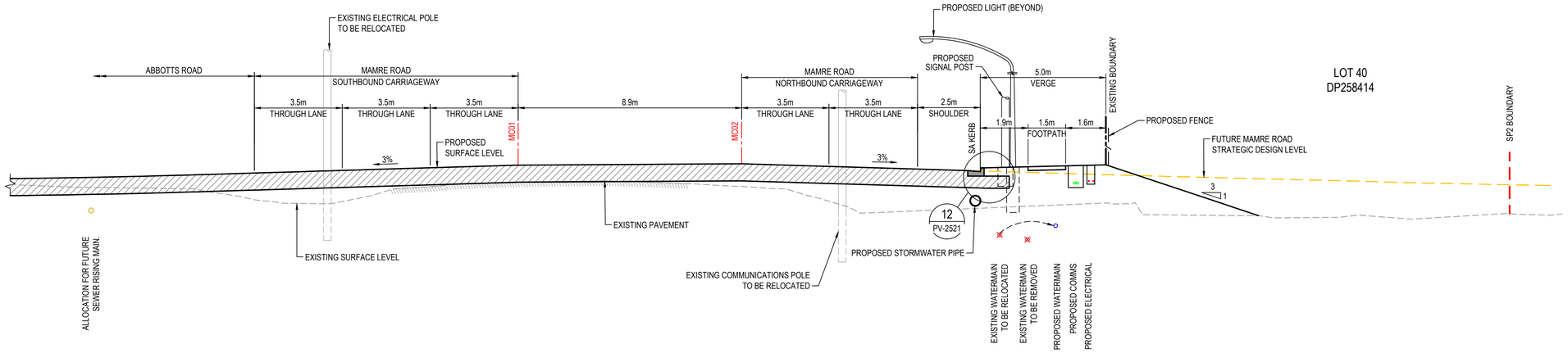
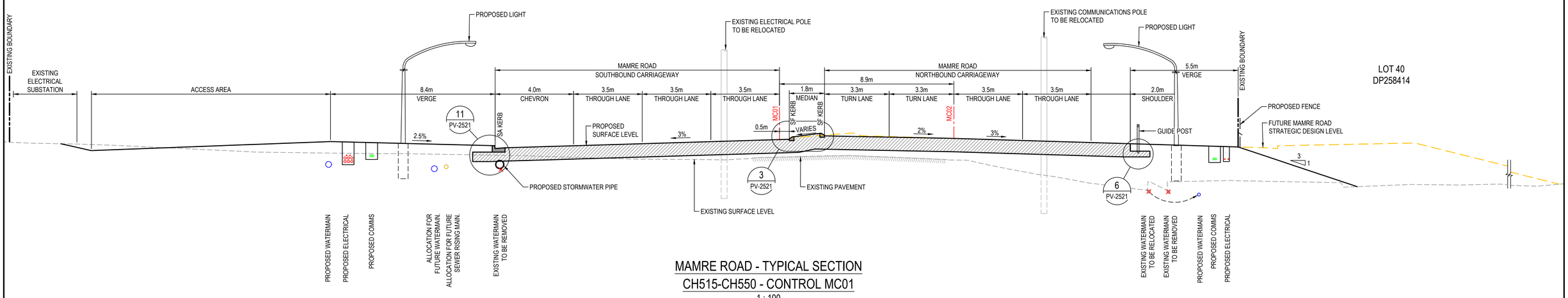
A1

Project - Drawing No.: GE-2011
Issue: 2

Date Plotted: 15 Apr 2024 - 02:31PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-01-GE-2011.dwg



MAMRE ROAD - TYPICAL SECTION
CH440-CH480 - CONTROL MC01
1 : 100



MAMRE ROAD - TYPICAL SECTION
CH515-CH550 - CONTROL MC01
1 : 100

0 2 4 6 8 10m

1 : 100 @ A1 1 : 200 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	AS SHOWN
Grid	GDA2020
Height Datum	AHD
Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD &
ABBOTTS ROAD
PROPOSED SIGNALISED
INTERSECTION

Title
TYPICAL
CROSS SECTIONS
SHEET 2

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status
FOR APPROVAL
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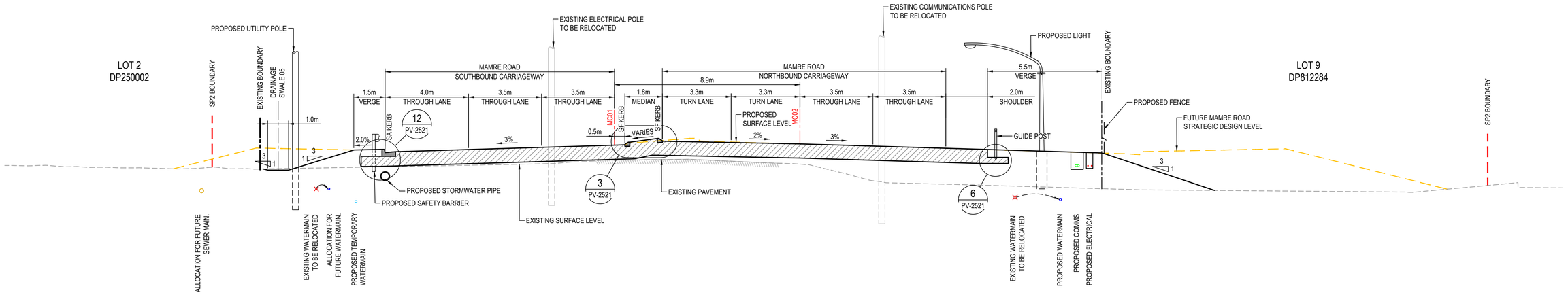
Project - Drawing No.
GE-2012

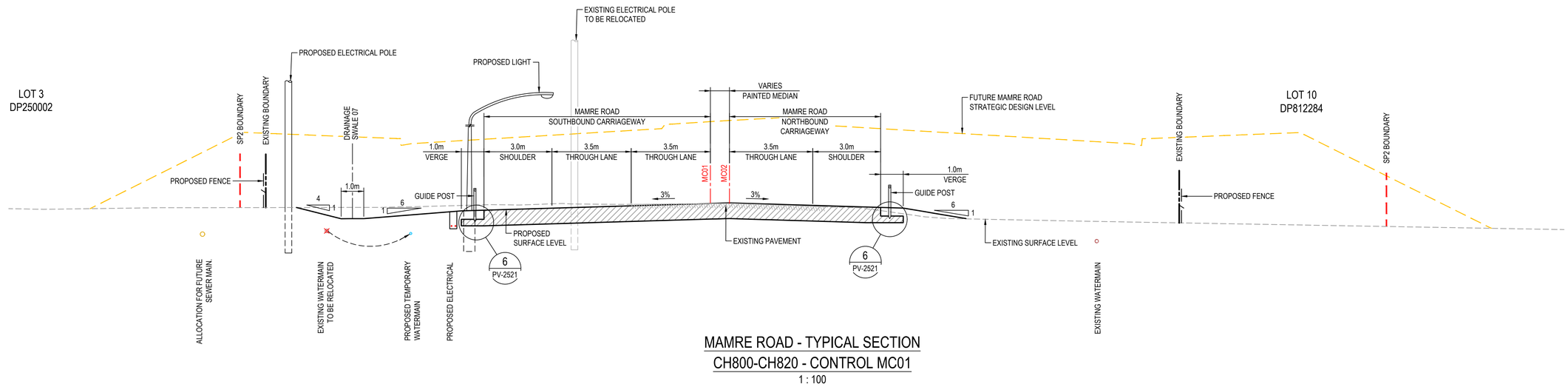
Issue
2

100mm on Original

Date Plotted: 15 Apr 2024 - 02:31PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-01-GE-2012.dwg



MAMRE ROAD - TYPICAL SECTION
CH580-CH620 - CONTROL MC01
1 : 100



MAMRE ROAD - TYPICAL SECTION
CH800-CH820 - CONTROL MC01
1 : 100

0 2 4 6 8 10m

1 : 100 @ A1 1 : 200 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	AS SHOWN
Grid	GDA2020
Height Datum	AHD
Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title
TYPICAL CROSS SECTIONS SHEET 3

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: GE-2013

Issue: 2

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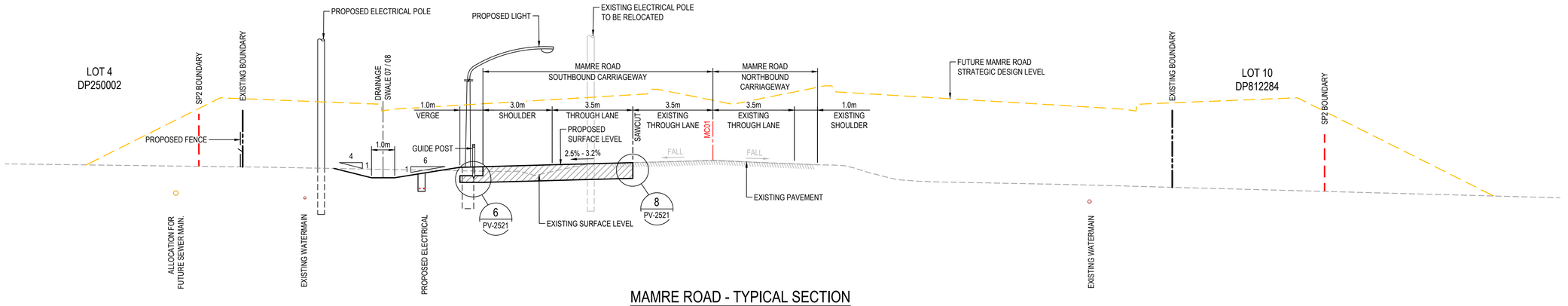
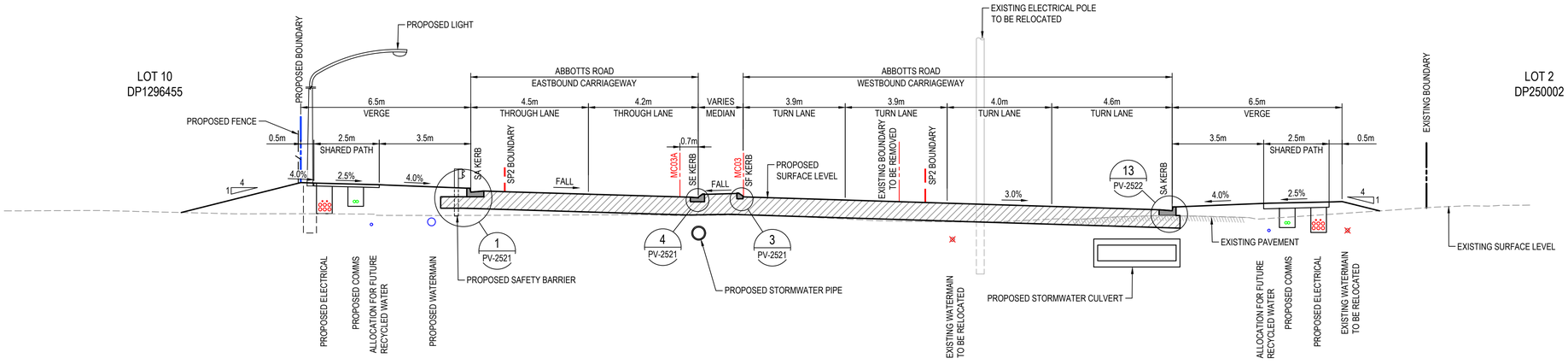


MAMRE ROAD - TYPICAL SECTION
CH880-CH1220 - CONTROL MC01
1 : 100



ABBOTTS ROAD - TYPICAL SECTION
CH89.663 LIMIT OF WORKS - CONTROL MC03
1 : 100

0 2 4 6 8 10m

1 : 100 @ A1 1 : 200 @ A3

Issue	Description	Date
3	ISSUED FOR 100% DESIGN	15-04-24
2	ISSUED FOR INFORMATION	14-03-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales		Drawn	GB
	AS SHOWN	Designed	GB
Grid	GDA2020	Checked	AL
Height Datum	AHD	Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title
TYPICAL CROSS SECTIONS SHEET 4

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

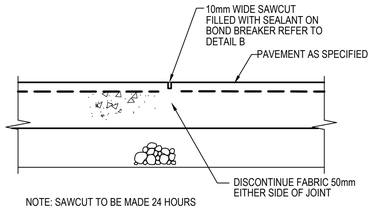
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: GE-2014

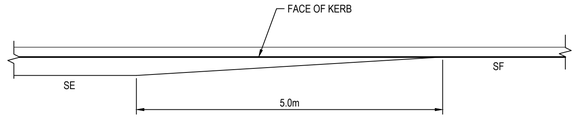
Issue: 3

Date Plotted: 15 Apr 2024 - 02:31PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-01-GE-2014.dwg

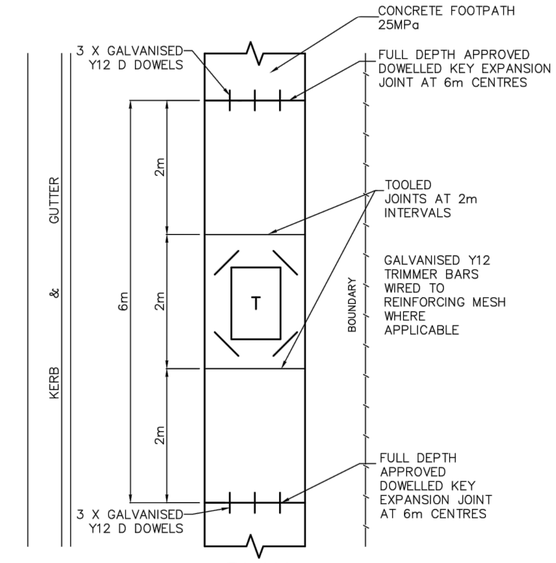


NOTE: SAWCUT TO BE MADE 24 HOURS
MAX. AFTER SLAB IS POURED

SAWN JOINT (SJ)
SCALE 1:10



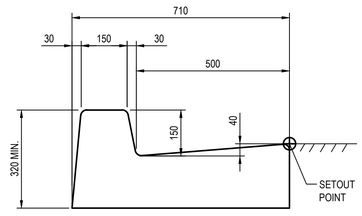
KERB TRANSITION DETAIL SE TO SF
1 : 50



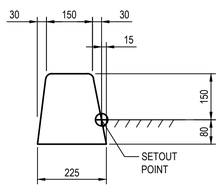
PLAN

NOTES
1. LONGITUDINAL EDGING IS REQUIRED ON FOOTPATHS. ALL EXPANSION JOINTS SHALL ALSO BE EDGED.
2. THE FOOTPATH SHALL BE FINISHED WITH A BROOM FINISH PERPENDICULAR TO THE DIRECTION OF TRAVEL.
3. FOR MACHINE LAID FOOTPATHS, REFER TO SECTION 7 OF COUNCIL'S CONSTRUCTION SPECIFICATION.
4. FOR CYCLEWAYS, REFER TO SECTION 7 OF COUNCIL'S CONSTRUCTION SPECIFICATION.

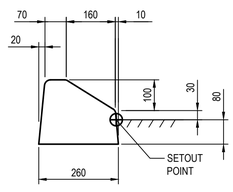
SHARED PATH/FOOTPATH JOINTING DETAILS
N.T.S



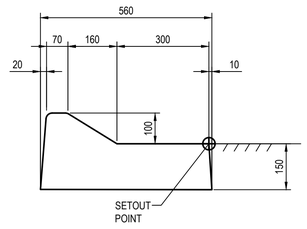
TYPE 'SA' KERB
BARRIER KERB AND GUTTER
SCALE 1:10



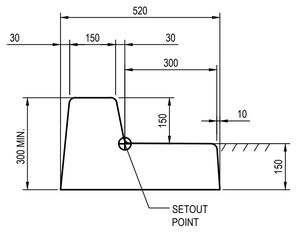
TYPE 'SM' KERB
BARRIER KERB AT TRAFFIC ISLANDS
SCALE 1:10



TYPE 'SF' KERB
RAISED MEDIANS AND
TRAFFIC ISLANDS
SCALE 1:10



TYPE 'SE' KERB
RAISED MEDIANS AND
TRAFFIC ISLANDS
SCALE 1:10



TYPE 'SL' KERB
BARRIER KERB AND GUTTER
SCALE 1:10

0 100 200 400 600 800 1000mm
1 : 10 @ A1 1 : 20 @ A3

0 1 2 3 4 5m
1 : 50 @ A1 1 : 100 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

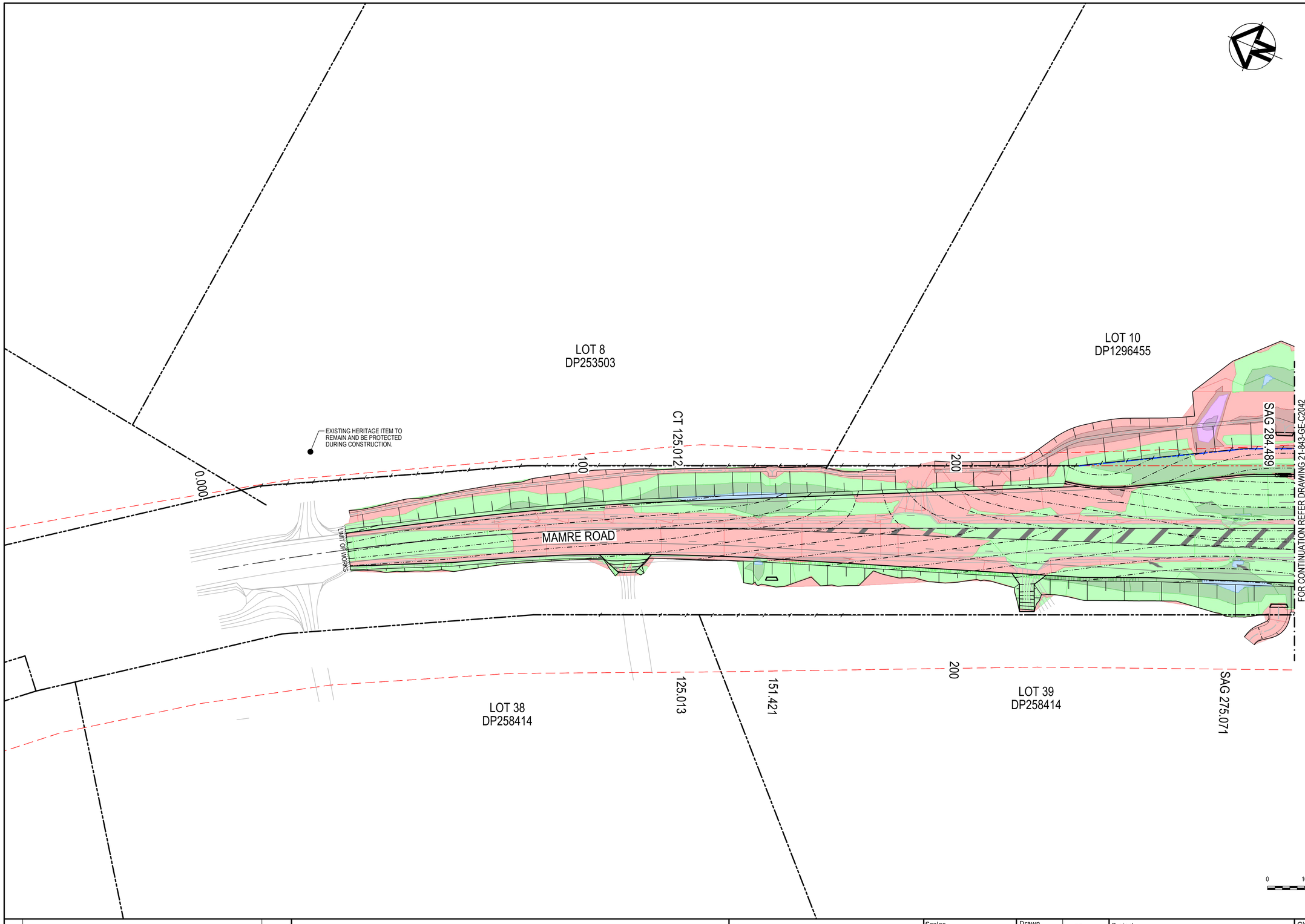
Scales: AS SHOWN
Grid: GDA2020
Height Datum: AHD
Drawn: GB
Designed: GB
Checked: AL
Approved:
TfNSW REGISTRATION No.: DS2023/001186

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: TYPICAL DETAILS

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1
Project - Drawing No.: GE-2021
Issue: 2



LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- SP2 BOUNDARY

CUT\FILL DEPTH RANGE

LOWER_VALUE		UPPER_VALUE	COLOUR
-2.5	to	-2.0 m	
-2.0	to	-1.5 m	
-1.5	to	-1.0 m	
-1.0	to	-0.5 m	
-0.5	to	0.0 m	
0.0	to	0.5 m	
0.5	to	1.0 m	
1.0	to	1.5 m	
1.5	to	2.0 m	
2.0	to	2.5 m	

NOTES

1. EXISTING TOPSOIL STRIPPED 180mm AND REMOVED FROM SITE.
2. EXISTING PAVEMENT STRIPPED 550mm AND REMOVED FROM SITE.
3. PROPOSED FOOTPATHS, DRIVEWAYS, VERGES AND SWALES EXCAVATED 200mm BELOW PROPOSED SURFACE LEVELS.
4. REFER DRAWINGS PV-2501 - PV-2520 FOR PROPOSED PAVEMENT DETAILS.
5. POSITIVE BALANCE VOLUMES INDICATE SHORTFALL (IMPORT) REQUIRED.
6. THE VOLUMES DO NOT TAKE INTO ACCOUNT THE FOLLOWING :-
   - 6.1. BULKING FACTORS OF REMOVED CUT
   - 6.2. REMOVAL AND\OR REMEDIATION OF ANY EXISTING UNCONTROLLED FILL
   - 6.3. STORMWATER AND UTILITY TRENCHING.

BULK EARTHWORKS VOLUMES

	DESCRIPTION	VOLUME (m³)
A	EXISTING TOPSOIL	-6,701
B	EXISTING PAVEMENT	-4,911
C	CUT	-4,622
D	FILL	15,225
E = C + D	BALANCE	10,603

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

Issue	Description	Date
1	ISSUED FOR 100% DESIGN	15-04-24

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 500 @ A1
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	GB
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: BULK EARTHWORKS CUT/FILL PLAN SHEET 1

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

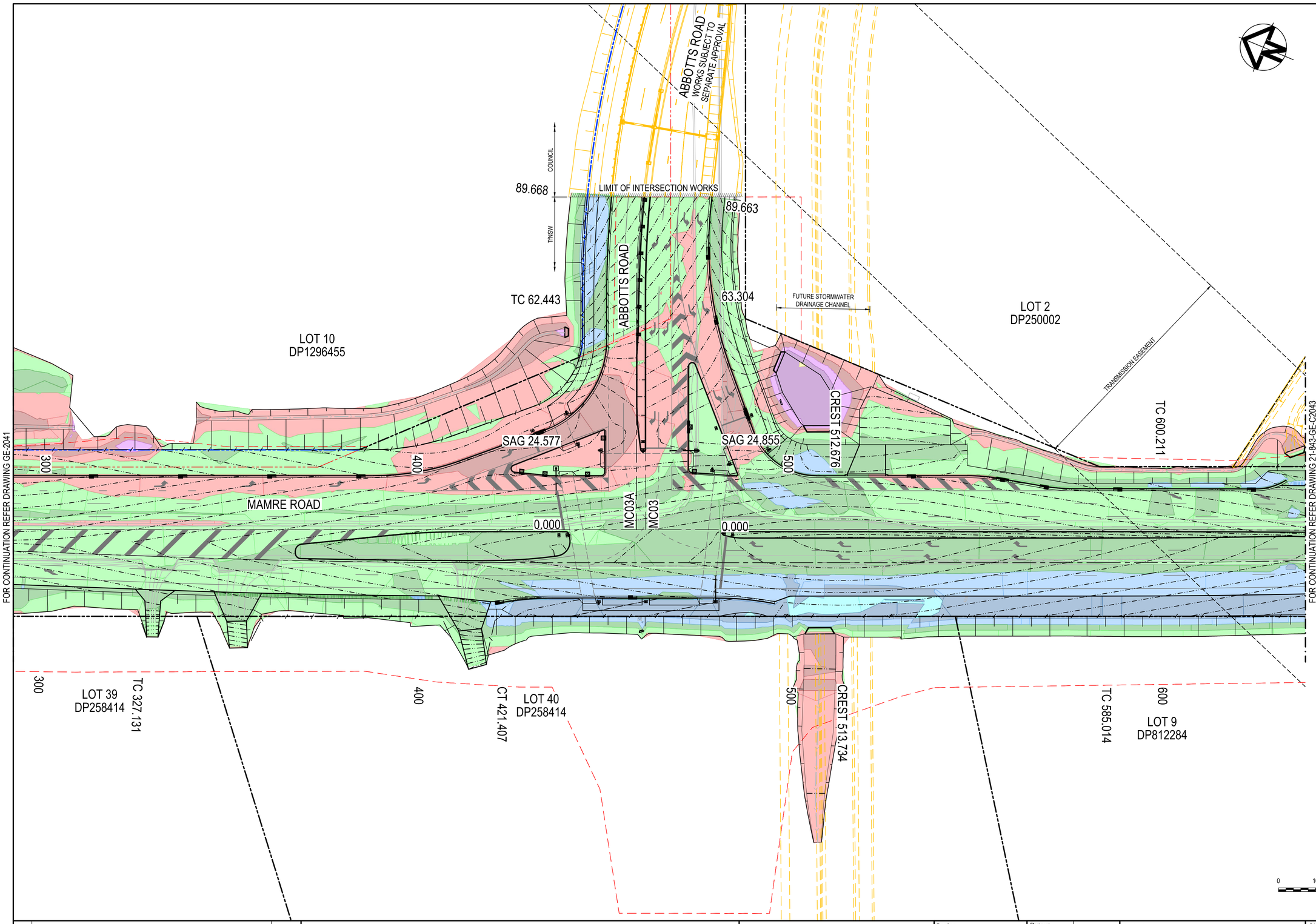
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: GE-2041

Issue: 1

Date Plotted: 15 Apr 2024 - 02:32PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-01-GE-2041.dwg



LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- SP2 BOUNDARY

CUT\FILL DEPTH RANGE

LOWER_VALUE		UPPER_VALUE	COLOUR
-2.5	to	-2.0 m	
-2.0	to	-1.5 m	
-1.5	to	-1.0 m	
-1.0	to	-0.5 m	
-0.5	to	0.0 m	
0.0	to	0.5 m	
0.5	to	1.0 m	
1.0	to	1.5 m	
1.5	to	2.0 m	
2.0	to	2.5 m	

NOTES

1. EXISTING TOPSOIL STRIPPED 180mm AND REMOVED FROM SITE.
2. EXISTING PAVEMENT STRIPPED 550mm AND REMOVED FROM SITE.
3. PROPOSED FOOTPATHS, DRIVEWAYS, VERGES AND SWALES EXCAVATED 200mm BELOW PROPOSED SURFACE LEVELS.
4. REFER DRAWINGS PV-2501 - PV-2520 FOR PROPOSED PAVEMENT DETAILS.
5. POSITIVE BALANCE VOLUMES INDICATE SHORTFALL (IMPORT) REQUIRED.
6. THE VOLUMES DO NOT TAKE INTO ACCOUNT THE FOLLOWING :-
   - 6.1. BULKING FACTORS OF REMOVED CUT
   - 6.2. REMOVAL AND\OR REMEDIATION OF ANY EXISTING UNCONTROLLED FILL
   - 6.3. STORMWATER AND UTILITY TRENCHING.

BULK EARTHWORKS VOLUMES

	DESCRIPTION	VOLUME (m³)
A	EXISTING TOPSOIL	-6,701
B	EXISTING PAVEMENT	-4,911
C	CUT	-4,622
D	FILL	15,225
E = C + D	BALANCE	10,603

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

Issue	Description	Date
1	ISSUED FOR 100% DESIGN	15-04-24

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 500 @ A1

Grid: GDA2020

Height Datum: AHD

Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.: DS2023/001186

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: BULK EARTHWORKS CUT/FILL PLAN SHEET 2

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

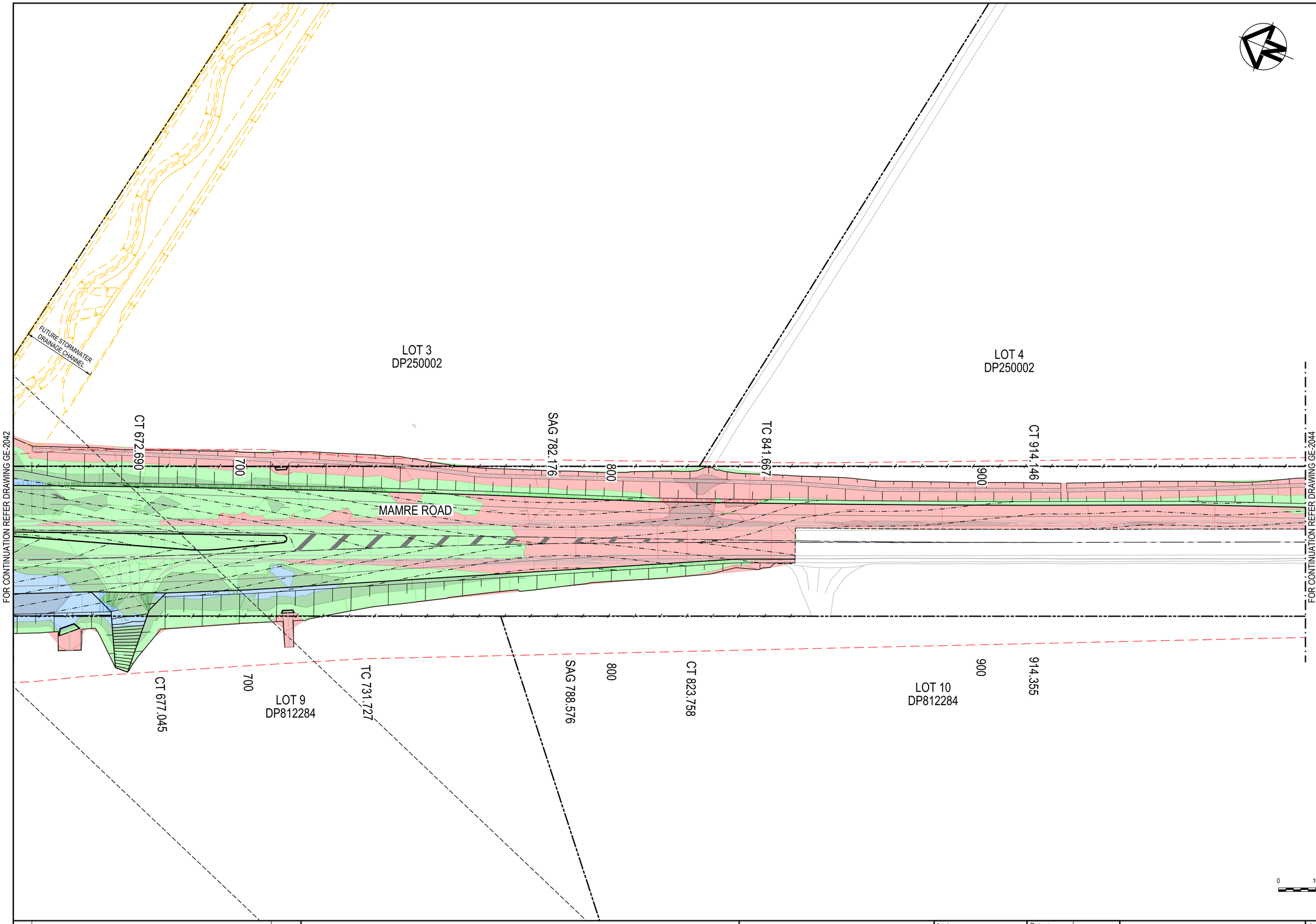
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: GE-2042

Issue: 1

Date Plotted: 15 Apr 2024 - 02:33PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-01-GE-2042.dwg



LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- SP2 BOUNDARY

CUT\FILL DEPTH RANGE

LOWER_VALUE		UPPER_VALUE		COLOUR
-2.5	to	-2.0	m	
-2.0	to	-1.5	m	
-1.5	to	-1.0	m	
-1.0	to	-0.5	m	
-0.5	to	0.0	m	
0.0	to	0.5	m	
0.5	to	1.0	m	
1.0	to	1.5	m	
1.5	to	2.0	m	
2.0	to	2.5	m	

NOTES

1. EXISTING TOPSOIL STRIPPED 180mm AND REMOVED FROM SITE.
2. EXISTING PAVEMENT STRIPPED 550mm AND REMOVED FROM SITE.
3. PROPOSED FOOTPATHS, DRIVEWAYS, VERGES AND SWALES EXCAVATED 200mm BELOW PROPOSED SURFACE LEVELS.
4. REFER DRAWINGS PV-2501 - PV-2520 FOR PROPOSED PAVEMENT DETAILS.
5. POSITIVE BALANCE VOLUMES INDICATE SHORTFALL (IMPORT) REQUIRED.
6. THE VOLUMES DO NOT TAKE INTO ACCOUNT THE FOLLOWING :-
   - 6.1. BULKING FACTORS OF REMOVED CUT
   - 6.2. REMOVAL AND\OR REMEDIATION OF ANY EXISTING UNCONTROLLED FILL
   - 6.3. STORMWATER AND UTILITY TRENCHING.

BULK EARTHWORKS VOLUMES

	DESCRIPTION	VOLUME (m³)
A	EXISTING TOPSOIL	-6,701
B	EXISTING PAVEMENT	-4,911
C	CUT	-4,622
D	FILL	15,225
E = C + D	BALANCE	10,603

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

Issue	Description	Date
1	ISSUED FOR 100% DESIGN	15-04-24

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 500 @ A1
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	GB
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: BULK EARTHWORKS CUT/FILL PLAN SHEET 3

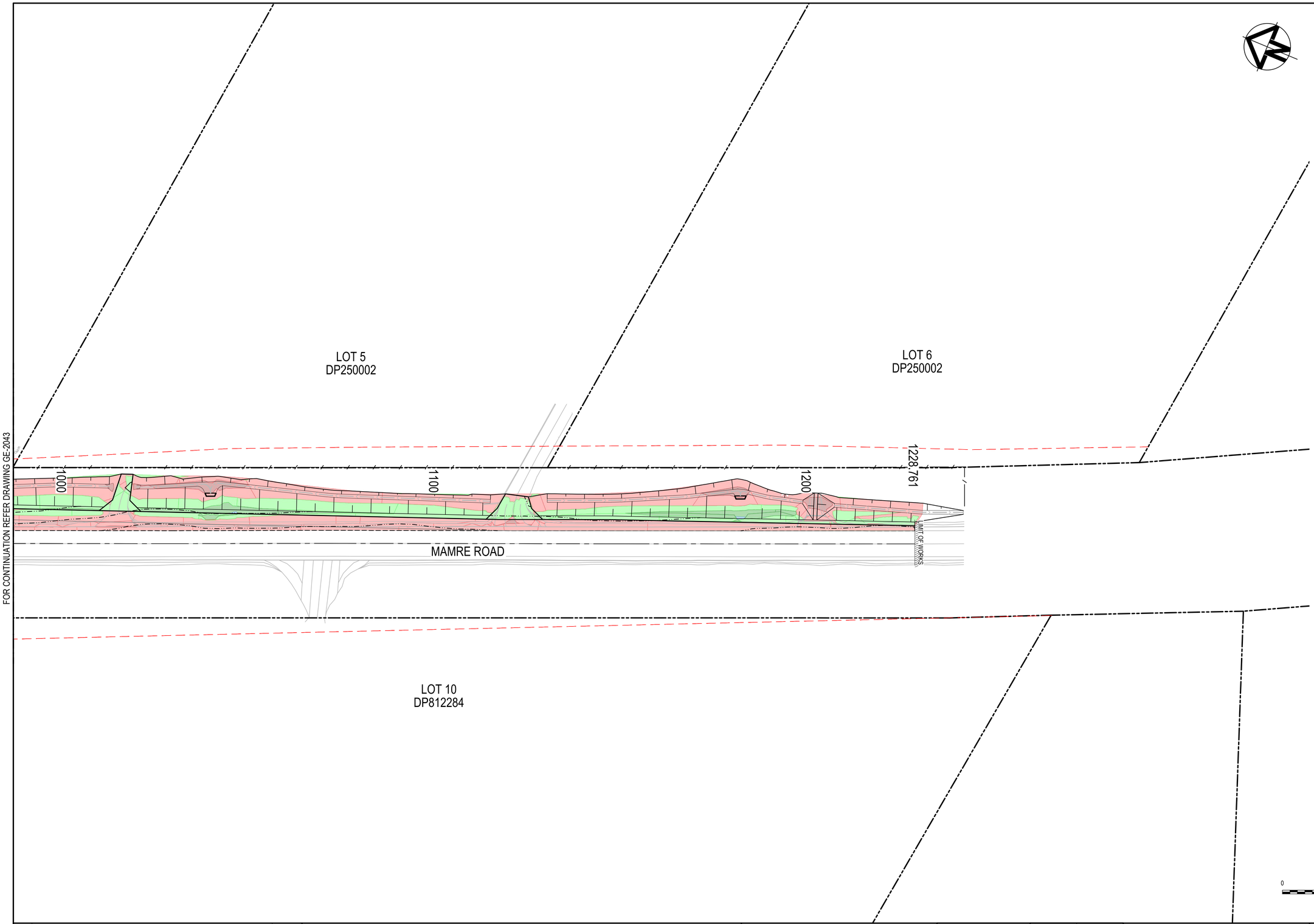
Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: GE-2043

Issue: 1



LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- SP2 BOUNDARY

CUT\FILL DEPTH RANGE

LOWER_VALUE		UPPER_VALUE	COLOUR
-2.5	to	-2.0 m	
-2.0	to	-1.5 m	
-1.5	to	-1.0 m	
-1.0	to	-0.5 m	
-0.5	to	0.0 m	
0.0	to	0.5 m	
0.5	to	1.0 m	
1.0	to	1.5 m	
1.5	to	2.0 m	
2.0	to	2.5 m	

NOTES

1. EXISTING TOPSOIL STRIPPED 180mm AND REMOVED FROM SITE.
2. EXISTING PAVEMENT STRIPPED 550mm AND REMOVED FROM SITE.
3. PROPOSED FOOTPATHS, DRIVEWAYS, VERGES AND SWALES EXCAVATED 200mm BELOW PROPOSED SURFACE LEVELS.
4. REFER DRAWINGS PV-2501 - PV-2520 FOR PROPOSED PAVEMENT DETAILS.
5. POSITIVE BALANCE VOLUMES INDICATE SHORTFALL (IMPORT) REQUIRED.
6. THE VOLUMES DO NOT TAKE INTO ACCOUNT THE FOLLOWING :-
   - 6.1. BULKING FACTORS OF REMOVED CUT
   - 6.2. REMOVAL AND\OR REMEDIATION OF ANY EXISTING UNCONTROLLED FILL
   - 6.3. STORMWATER AND UTILITY TRENCHING.

BULK EARTHWORKS VOLUMES

	DESCRIPTION	VOLUME (m³)
A	EXISTING TOPSOIL	-6,701
B	EXISTING PAVEMENT	-4,911
C	CUT	-4,622
D	FILL	15,225
E = C + D	BALANCE	10,603

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

Issue	Description	Date
1	ISSUED FOR 100% DESIGN	15-04-24

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 500 @ A1
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	GB
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: BULK EARTHWORKS CUT/FILL PLAN SHEET 4

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

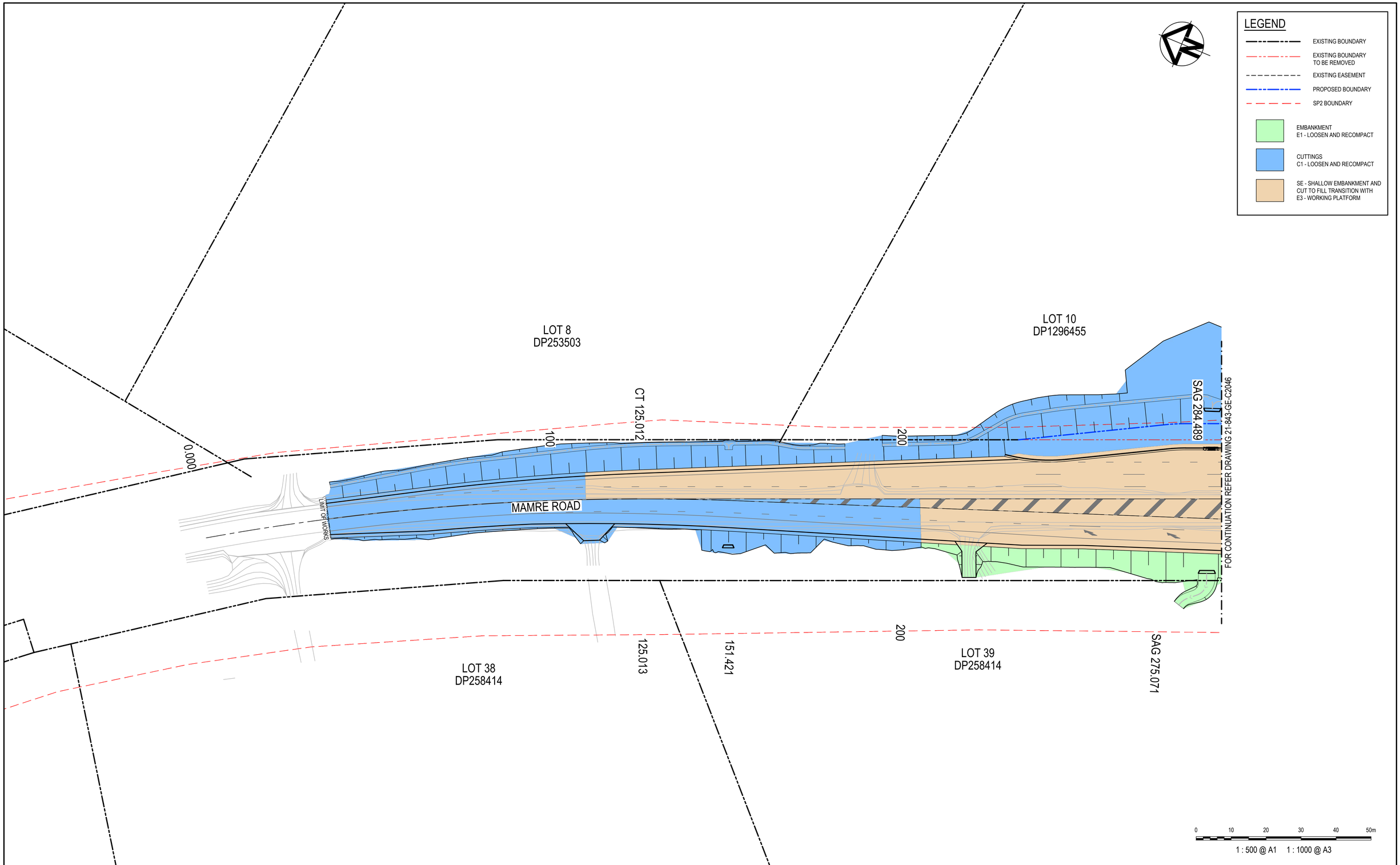
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: GE-2044

Issue: 1

Date Plotted: 15 Apr 2024 - 02:35PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-01-GE-2044.dwg



Issue	Description	Date
1	ISSUED FOR 100% DESIGN	15-04-24

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	1 : 500 @ A1
Grid	GDA2020
Height Datum	AHD
Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

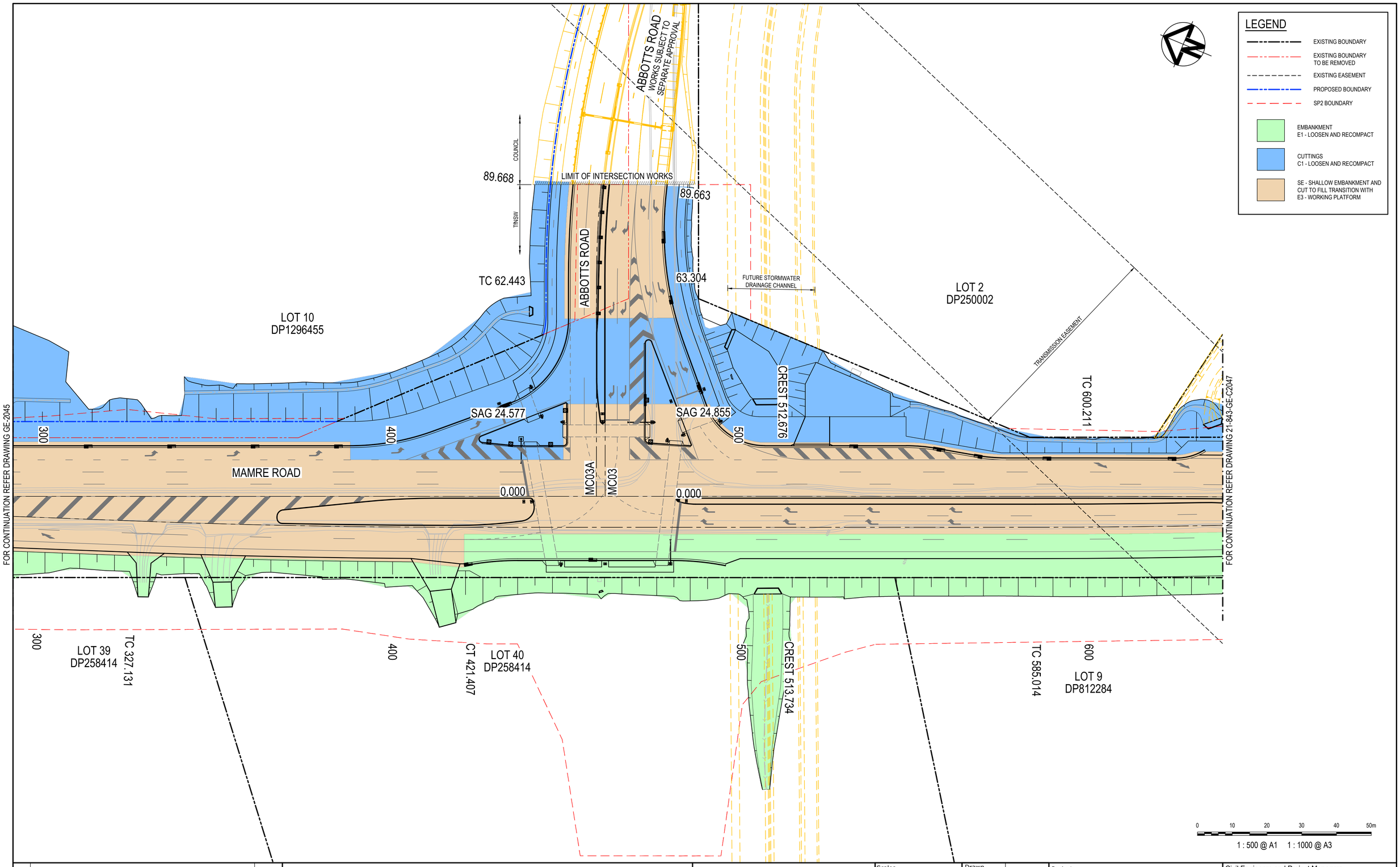
Title
FOUNDATION TREATMENT PLAN SHEET 1

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Project - Drawing No.: GE-2045
Issue: 1

Date Plotted: 15 Apr 2024 - 02:37PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-01-GE-2045.dwg



Issue	Description	Date
1	ISSUED FOR 100% DESIGN	15-04-24

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	1 : 500 @ A1	Drawn	GB
		Designed	GB
Grid	GDA2020	Checked	AL
Height Datum	AHD	Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

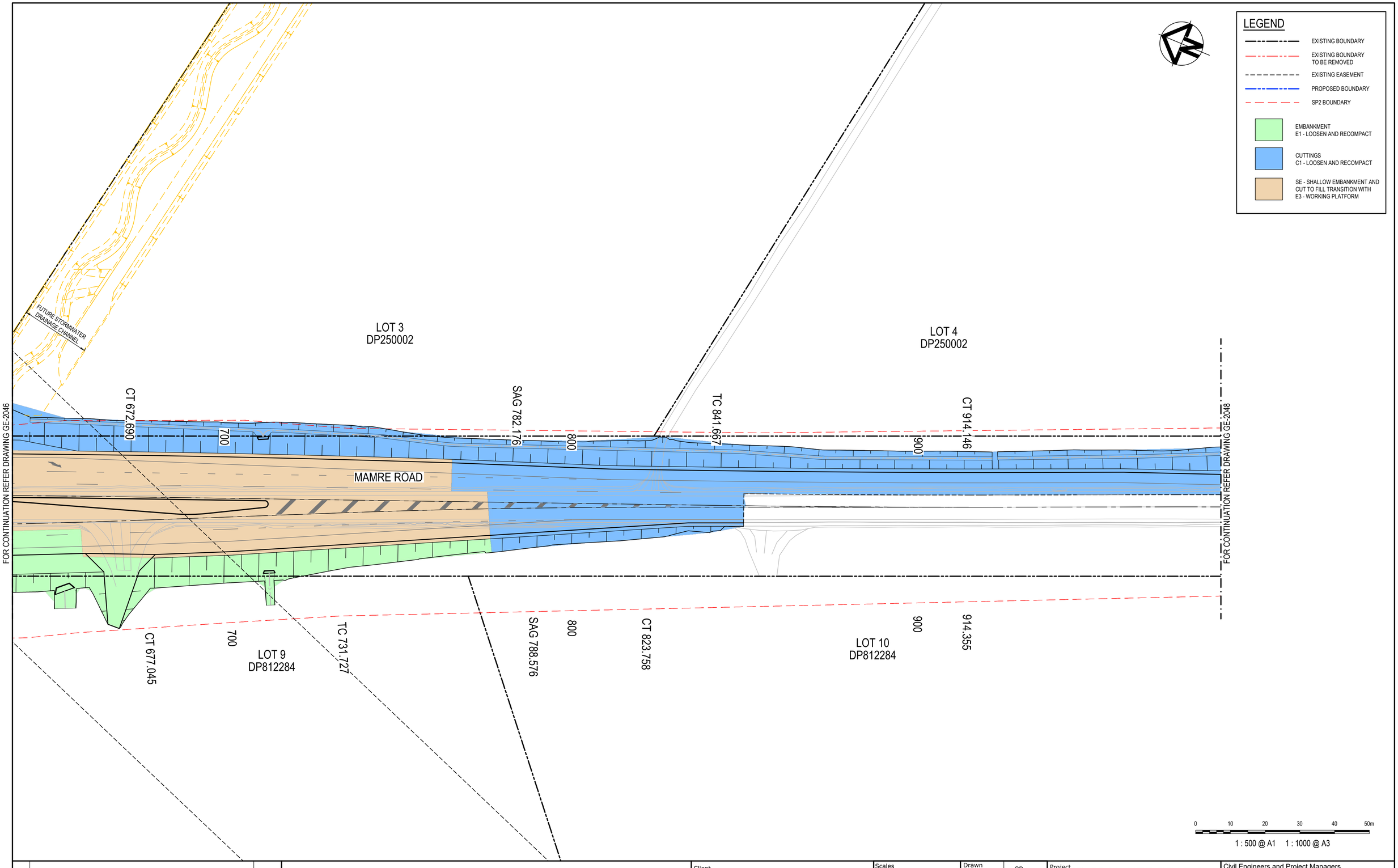
Title
FOUNDATION TREATMENT PLAN SHEET 2

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Project - Drawing No.: GE-2046
Issue: 1

Date Plotted: 15 Apr 2024 - 02:38PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-01-GE-2046.dwg



Issue	Description	Date
1	ISSUED FOR 100% DESIGN	15-04-24

100mm on Original

Client

FRASERS PROPERTY · ESR · Stockland · FIFECAPITAL

Scales: 1 : 500 @ A1
Grid: GDA2020
Height Datum: AHD

Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

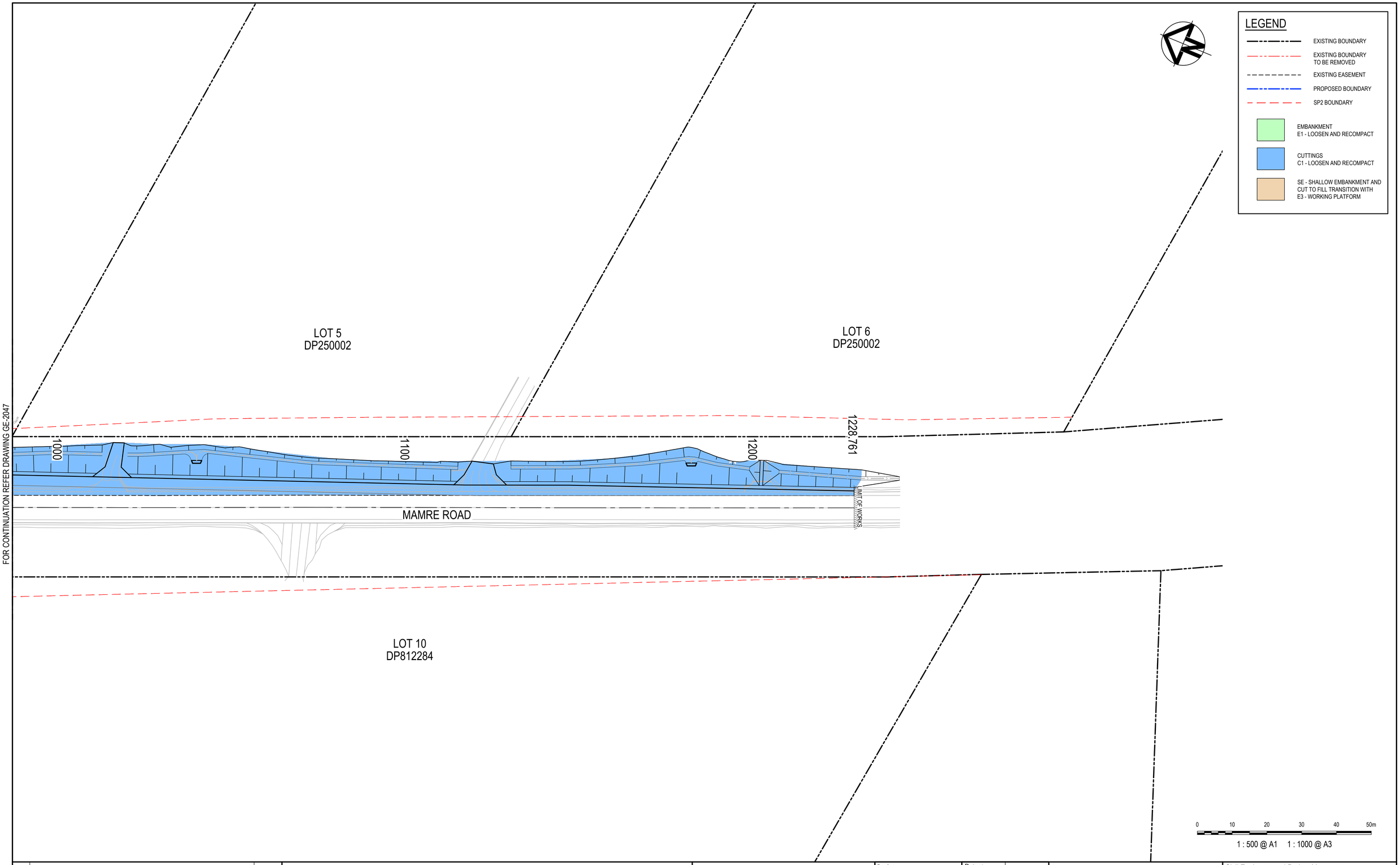
Title
FOUNDATION TREATMENT PLAN SHEET 3

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Project - Drawing No.: GE-2047
Issue: 1

Date Plotted: 15 Apr 2024 - 02:39PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-01-GE-2047.dwg



Issue	Description	Date
1	ISSUED FOR 100% DESIGN	15-04-24

100mm on Original

Client

FRASERS PROPERTY ESR Stockland FIFECAPITAL

Scales: 1 : 500 @ A1

Grid: GDA2020

Height Datum: AHD

TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	GB
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: FOUNDATION TREATMENT PLAN SHEET 4

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

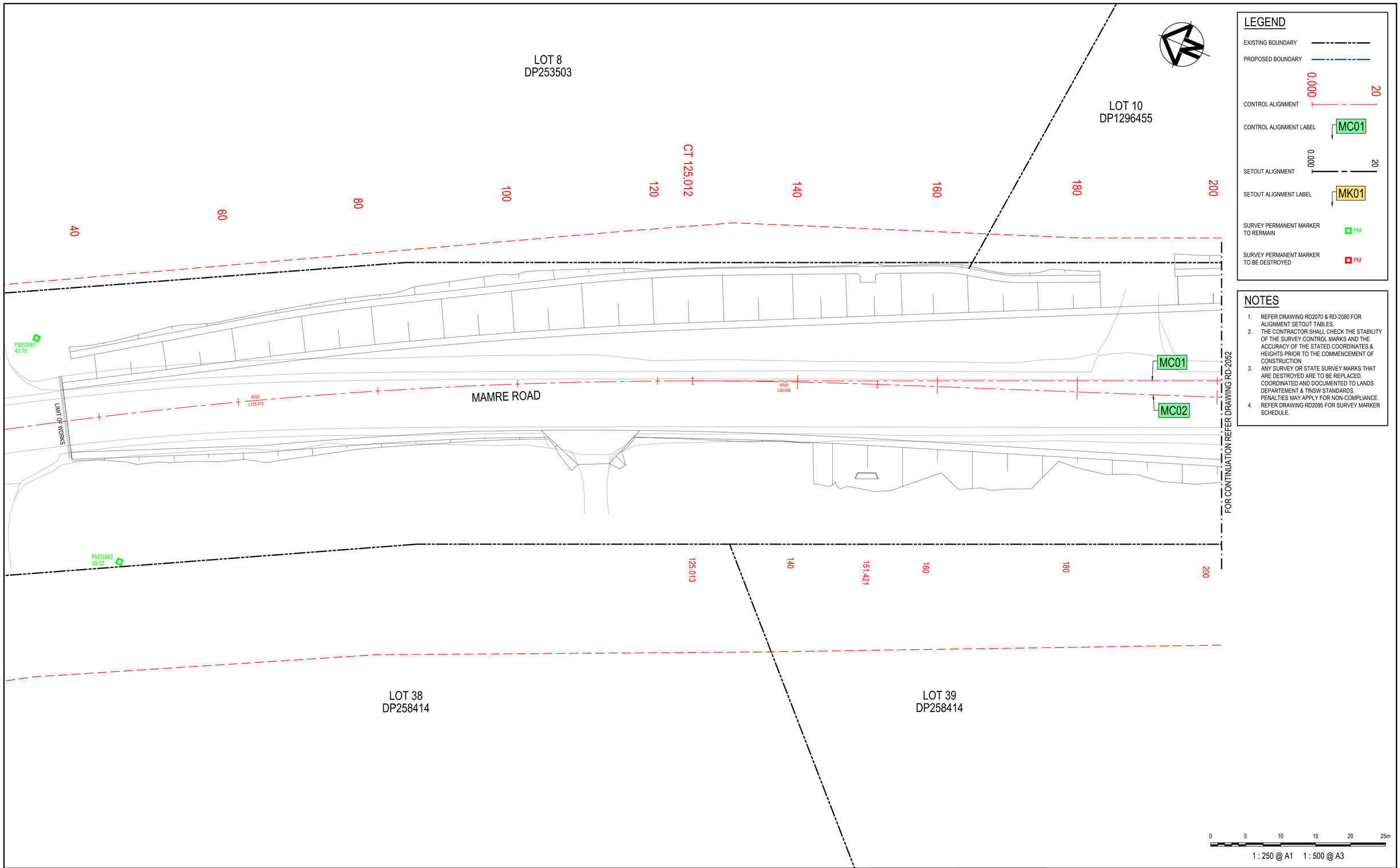
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: GE-2048

Issue: 1

Date Plotted: 15 Apr 2024 - 02:40PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-01-GE-2048.dwg



LEGEND

- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- CONTROL ALIGNMENT (0.000 – 20)
- CONTROL ALIGNMENT LABEL: MC01
- SETOUT ALIGNMENT (0.000 – 20)
- SETOUT ALIGNMENT LABEL: MK01
- SURVEY PERMANENT MARKER TO REMAIN: PM
- SURVEY PERMANENT MARKER TO BE DESTROYED: PM

NOTES

1. REFER DRAWING RD2070 & RD-2080 FOR ALIGNMENT SETOUT TABLES.
2. THE CONTRACTOR SHALL CHECK THE STABILITY OF THE SURVEY CONTROL MARKS AND THE ACCURACY OF THE STATED COORDINATES & HEIGHTS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
3. ANY SURVEY OR STATE SURVEY MARKS THAT ARE DESTROYED ARE TO BE REPLACED, COORDINATED AND DOCUMENTED TO LANDS DEPARTEMENT & TfNSW STANDARDS. PENALTIES MAY APPLY FOR NON-COMPLIANCE.
4. REFER DRAWING RD2095 FOR SURVEY MARKER SCHEDULE.

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 250 @ A1
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	GB
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: ALIGNMENT CONTROL PLAN SHEET 1

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

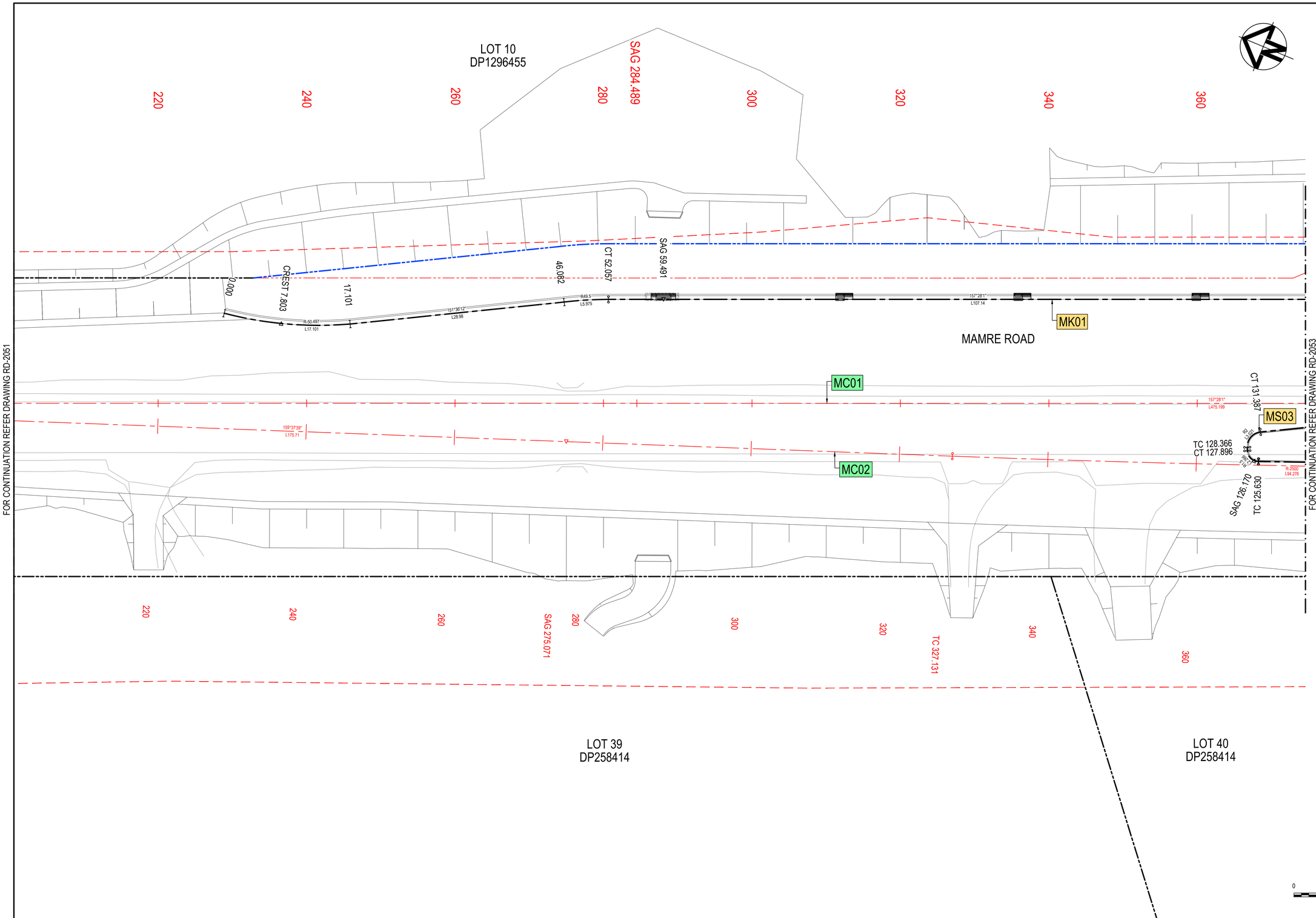
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: RD-2051

Issue: 2

Date Plotted: 15 Apr 2024 - 02:41PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-02-RD-2051.dwg



LEGEND

- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- CONTROL ALIGNMENT (0.000 – 20)
- CONTROL ALIGNMENT LABEL: MC01
- SETOUT ALIGNMENT (0.000 – 20)
- SETOUT ALIGNMENT LABEL: MK01
- SURVEY PERMANENT MARKER TO REMAIN: PM
- SURVEY PERMANENT MARKER TO BE DESTROYED: PM

NOTES

1. REFER DRAWING RD2070 & RD-2080 FOR ALIGNMENT SETOUT TABLES.
2. THE CONTRACTOR SHALL CHECK THE STABILITY OF THE SURVEY CONTROL MARKS AND THE ACCURACY OF THE STATED COORDINATES & HEIGHTS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
3. ANY SURVEY OR STATE SURVEY MARKS THAT ARE DESTROYED ARE TO BE REPLACED, COORDINATED AND DOCUMENTED TO LANDS DEPARTEMENT & TfNSW STANDARDS. PENALTIES MAY APPLY FOR NON-COMPLIANCE.
4. REFER DRAWING RD2095 FOR SURVEY MARKER SCHEDULE.

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	1 : 250 @ A1
Grid	GDA2020
Height Datum	AHD
Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title
ALIGNMENT CONTROL PLAN SHEET 2

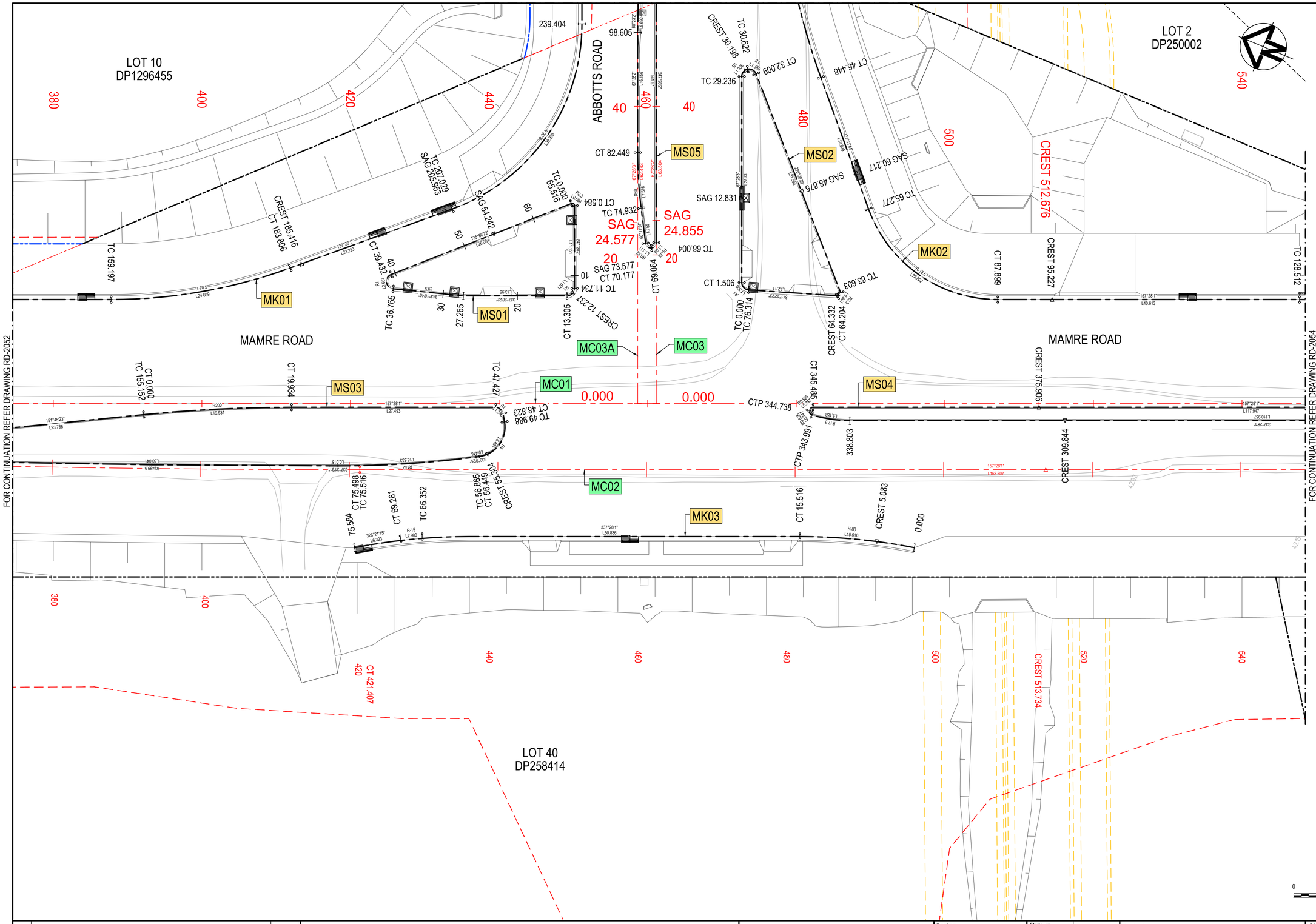
Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Project - Drawing No.: RD-2052
Issue: 2

Date Plotted: 15 Apr 2024 - 02:42PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-02-RD-2052.dwg

FOR CONTINUATION REFER DRAWING RD-2058



LEGEND

- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- CONTROL ALIGNMENT (0.000 — 20)
- CONTROL ALIGNMENT LABEL — MC01
- SETOUT ALIGNMENT (0.000 — 20)
- SETOUT ALIGNMENT LABEL — MK01
- SURVEY PERMANENT MARKER TO REMAIN — PM
- SURVEY PERMANENT MARKER TO BE DESTROYED — PM

NOTES

1. REFER DRAWING RD2070 & RD-2080 FOR ALIGNMENT SETOUT TABLES.
2. THE CONTRACTOR SHALL CHECK THE STABILITY OF THE SURVEY CONTROL MARKS AND THE ACCURACY OF THE STATED COORDINATES & HEIGHTS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
3. ANY SURVEY OR STATE SURVEY MARKS THAT ARE DESTROYED ARE TO BE REPLACED, COORDINATED AND DOCUMENTED TO LANDS DEPARTEMENT & TfNSW STANDARDS. PENALTIES MAY APPLY FOR NON-COMPLIANCE.
4. REFER DRAWING RD2095 FOR SURVEY MARKER SCHEDULE.

FOR CONTINUATION REFER DRAWING RD-2052

FOR CONTINUATION REFER DRAWING RD-2054

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	1 : 250 @ A1
Grid	GDA2020
Height Datum	AHD
Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.

DS2023/001186

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: ALIGNMENT CONTROL PLAN SHEET 3

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

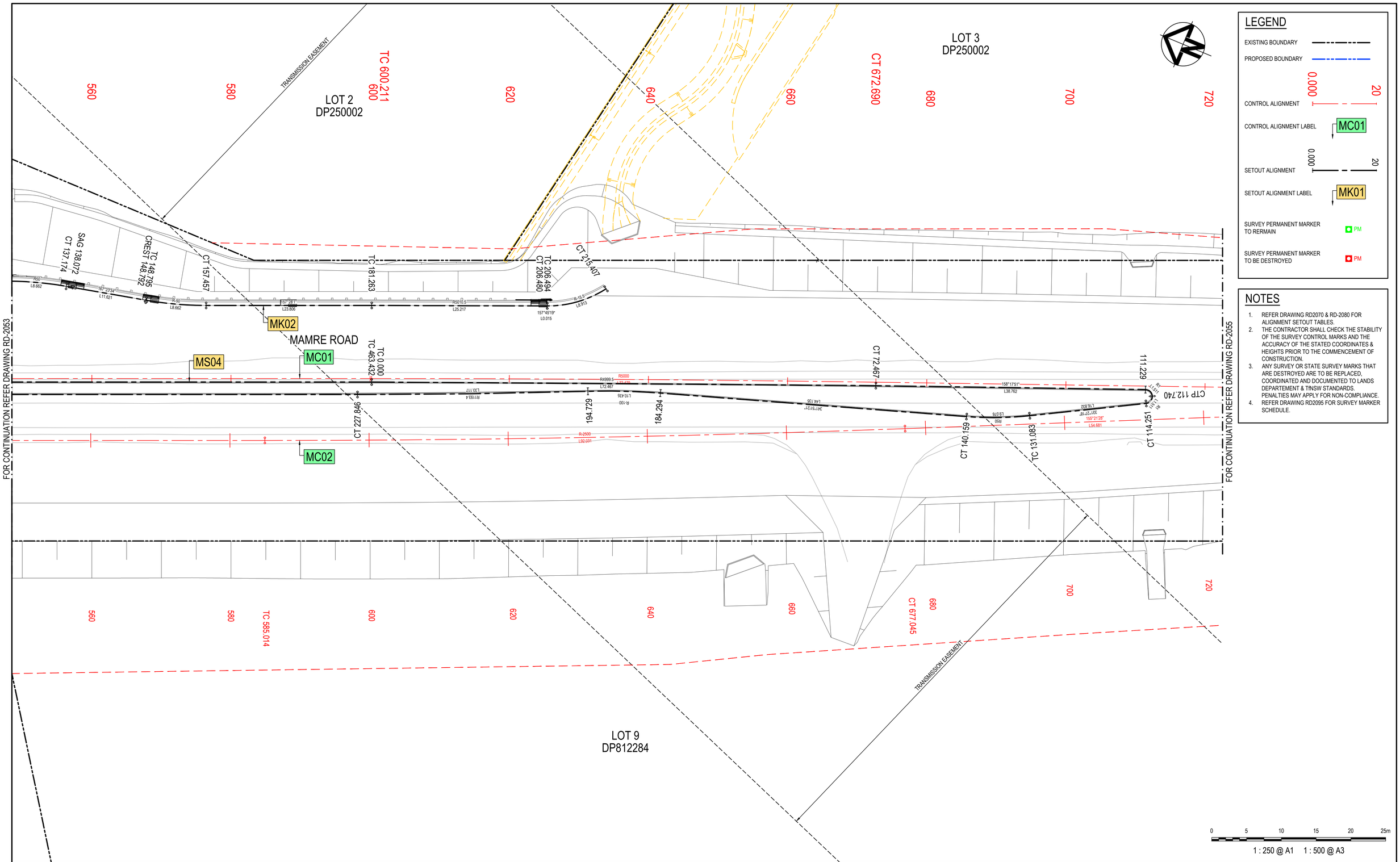
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: RD-2053

Issue: 2

Date Plotted: 15 Apr 2024 - 02:43PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-02-RD-2053.dwg



LEGEND

- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- CONTROL ALIGNMENT (0.000 … 20)
- CONTROL ALIGNMENT LABEL: MC01
- SETOUT ALIGNMENT (0.000 … 20)
- SETOUT ALIGNMENT LABEL: MK01
- SURVEY PERMANENT MARKER TO REMAIN: PM
- SURVEY PERMANENT MARKER TO BE DESTROYED: PM

NOTES

1. REFER DRAWING RD2070 & RD-2080 FOR ALIGNMENT SETOUT TABLES.
2. THE CONTRACTOR SHALL CHECK THE STABILITY OF THE SURVEY CONTROL MARKS AND THE ACCURACY OF THE STATED COORDINATES & HEIGHTS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
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4. REFER DRAWING RD2095 FOR SURVEY MARKER SCHEDULE.

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	1 : 250 @ A1	Drawn	GB
		Designed	GB
Grid	GDA2020	Checked	AL
Height Datum	AHD	Approved	

TfNSW REGISTRATION No. DS2023/001186

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: ALIGNMENT CONTROL PLAN SHEET 4

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL — NOT TO BE USED FOR CONSTRUCTION — A1

Project - Drawing No.: RD-2054 — Issue: 2

Date Plotted: 15 Apr 2024 - 02:44PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-02-RD-2054.dwg

LOT 3
DP250002

LOT 4
DP250002

740 760 780 SAG 782.176 800 820 TC 841.667 840 860 880

MAMRE ROAD

MC01
158°17'51"
L168.976
MC02
R2500
L92.031
MC01
157°28'1"
L90.597
R-5000
L72.479

FOR CONTINUATION REFER DRAWING RD-2054

FOR CONTINUATION REFER DRAWING RD-2056

TC 731.727 740 760 780 SAG 788.576 800 820 CT 823.758 840 860 880

LOT 9
DP812284

LOT 10
DP812284

LEGEND

EXISTING BOUNDARY

PROPOSED BOUNDARY

CONTROL ALIGNMENT 0.000 20

CONTROL ALIGNMENT LABEL MC01

SETOUT ALIGNMENT 0.000 20

SETOUT ALIGNMENT LABEL MK01

SURVEY PERMANENT MARKER TO REMAIN PM

SURVEY PERMANENT MARKER TO BE DESTROYED PM

NOTES

1. REFER DRAWING RD2070 & RD-2080 FOR ALIGNMENT SETOUT TABLES.
2. THE CONTRACTOR SHALL CHECK THE STABILITY OF THE SURVEY CONTROL MARKS AND THE ACCURACY OF THE STATED COORDINATES & HEIGHTS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
3. ANY SURVEY OR STATE SURVEY MARKS THAT ARE DESTROYED ARE TO BE REPLACED, COORDINATED AND DOCUMENTED TO LANDS DEPARTEMENT & TfNSW STANDARDS. PENALTIES MAY APPLY FOR NON-COMPLIANCE.
4. REFER DRAWING RD2095 FOR SURVEY MARKER SCHEDULE.

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client

FRASERS PROPERTY ESR Stockland FIFECAPITAL

Scales 1 : 250 @ A1

Grid GDA2020

Height Datum AHD

Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.

DS2023/001186

Project

MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title

ALIGNMENT CONTROL PLAN SHEET 5

Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No. RD-2055

Issue 2

Date Plotted: 15 Apr 2024 - 02:45PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-02-RD-2055.dwg

LOT 4
DP250002

LOT 5
DP250002

CT 914.146

900 920 940 960 980 1000 1020 1040 1060

FOR CONTINUATION REFER DRAWING RD-2055

FOR CONTINUATION REFER DRAWING RD-2057

PM33559
42.64

PM33560
42.35

MC01

157°27'54"
L3.616

157°21'42"
L66.072

157°31'49"
L66

157°20'47"
L41.458

MAMRE ROAD

900 914.355

LOT 10
DP812284

LEGEND

EXISTING BOUNDARY

PROPOSED BOUNDARY

CONTROL ALIGNMENT 0.000 20

CONTROL ALIGNMENT LABEL MC01

SETOUT ALIGNMENT 0.000 20

SETOUT ALIGNMENT LABEL MK01

SURVEY PERMANENT MARKER TO RERMAIN PM

SURVEY PERMANENT MARKER TO BE DESTROYED PM

NOTES

1. REFER DRAWING RD2070 & RD-2080 FOR ALIGNMENT SETOUT TABLES.
2. THE CONTRACTOR SHALL CHECK THE STABILITY OF THE SURVEY CONTROL MARKS AND THE ACCURACY OF THE STATED COORDINATES & HEIGHTS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
3. ANY SURVEY OR STATE SURVEY MARKS THAT ARE DESTROYED ARE TO BE REPLACED, COORDINATED AND DOCUMENTED TO LANDS DEPARTEMENT & TfNSW STANDARDS. PENALTIES MAY APPLY FOR NON-COMPLIANCE.
4. REFER DRAWING RD2095 FOR SURVEY MARKER SCHEDULE.

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 250 @ A1
Grid: GDA2020
Height Datum: AHD

Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title
ALIGNMENT CONTROL PLAN SHEET 6

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: RD-2056

Issue: 2

Date Plotted: 15 Apr 2024 - 02:46PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-02-RD-2056.dwg

LOT 5
DP250002

LOT 6
DP250002

1080 1100 1120 1140 1160 1180 1200 1220 1228.761

MC01

157°33'51"
L78.541

157°28'38"
L78.641

MAMRE ROAD

LIMIT OF WORKS

FOR CONTINUATION REFER DRAWING RD-2056

LOT 10
DP812284

LEGEND

EXISTING BOUNDARY

PROPOSED BOUNDARY

CONTROL ALIGNMENT 0.000 20

CONTROL ALIGNMENT LABEL MC01

SETOUT ALIGNMENT 0.000 20

SETOUT ALIGNMENT LABEL MK01

SURVEY PERMANENT MARKER TO REMAIN PM

SURVEY PERMANENT MARKER TO BE DESTROYED PM

NOTES

1. REFER DRAWING RD2070 & RD-2080 FOR ALIGNMENT SETOUT TABLES.
2. THE CONTRACTOR SHALL CHECK THE STABILITY OF THE SURVEY CONTROL MARKS AND THE ACCURACY OF THE STATED COORDINATES & HEIGHTS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
3. ANY SURVEY OR STATE SURVEY MARKS THAT ARE DESTROYED ARE TO BE REPLACED, COORDINATED AND DOCUMENTED TO LANDS DEPARTEMENT & TfNSW STANDARDS. PENALTIES MAY APPLY FOR NON-COMPLIANCE.
4. REFER DRAWING RD2095 FOR SURVEY MARKER SCHEDULE.

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 250 @ A1
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	GB
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: ALIGNMENT CONTROL PLAN SHEET 7

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

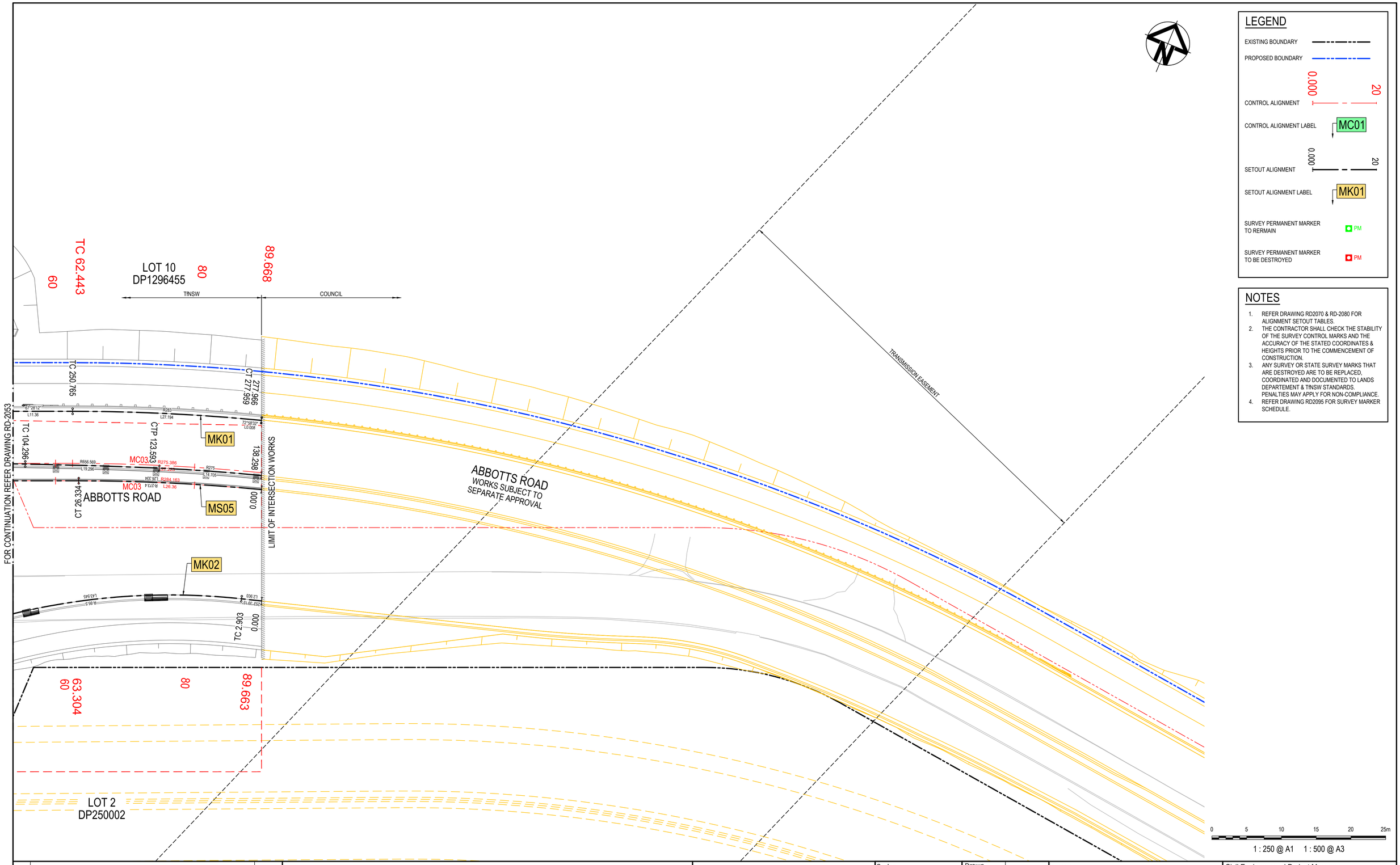
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: RD-2057

Issue: 2

Date Plotted: 15 Apr 2024 - 02:47PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-02-RD-2057.dwg



LEGEND

- EXISTING BOUNDARY
- PROPOSED BOUNDARY
- CONTROL ALIGNMENT (0.000 – 20)
- CONTROL ALIGNMENT LABEL: MC01
- SETOUT ALIGNMENT (0.000 – 20)
- SETOUT ALIGNMENT LABEL: MK01
- SURVEY PERMANENT MARKER TO REMAIN: PM
- SURVEY PERMANENT MARKER TO BE DESTROYED: PM

NOTES

1. REFER DRAWING RD2070 & RD-2080 FOR ALIGNMENT SETOUT TABLES.
2. THE CONTRACTOR SHALL CHECK THE STABILITY OF THE SURVEY CONTROL MARKS AND THE ACCURACY OF THE STATED COORDINATES & HEIGHTS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
3. ANY SURVEY OR STATE SURVEY MARKS THAT ARE DESTROYED ARE TO BE REPLACED, COORDINATED AND DOCUMENTED TO LANDS DEPARTEMENT & TfNSW STANDARDS. PENALTIES MAY APPLY FOR NON-COMPLIANCE.
4. REFER DRAWING RD2095 FOR SURVEY MARKER SCHEDULE.

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	1 : 250 @ A1
Grid	GDA2020
Height Datum	AHD
Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title
ALIGNMENT CONTROL PLAN SHEET 8

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Project - Drawing No.: RD-2058
Issue: 2

100mm on Original

Date Plotted: 15 Apr 2024 - 02:48PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-02-RD-2058.dwg

CONTROL ROAD MC01 HORIZONTAL POINTS							
PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	295406.199	6251910.082	147°14'04.02"			
IP 2	62.506	295440.117	6251857.381		R = 700.000	125.012	10°13'56.67"
CT	125.012	295464.135	6251799.492	157°28'00.69"			
TC	600.211	295646.239	6251360.571	157°28'00.69"			
IP 3	636.451	295660.127	6251327.098		R = 5000.000	72.479	0°49'49.99"
CT	672.690	295673.528	6251293.426	158°17'50.67"			
TC	841.581	295735.982	6251136.507	158°17'50.67"			
IP 4	877.906	295749.415	6251102.756		R = -5000.000	72.651	0°49'57.06"
CT	914.232	295763.337	6251069.204	157°27'53.61"			
IP 5	917.848	295764.723	6251065.864				
IP 6	973.920	295786.306	6251014.112				
IP 7	1029.920	295807.709	6250962.363				
IP 8	1071.379	295823.677	6250924.103				
IP 9	1149.920	295853.652	6250851.507				
IP 10	1228.761	295883.852	6250778.679	157°28'37.57"			

CONTROL ROAD MC02 HORIZONTAL POINTS							
PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	125.013	295464.135	6251799.492	157°28'00.74"			
IP 2	138.217	295469.195	6251787.294		R = 700.000	26.408	2°09'41.63"
IP 3	151.421	295473.792	6251774.915				
TC	327.131	295534.961	6251610.195	159°37'39.01"			
IP 4	374.269	295551.373	6251566.000		R = -2500.000	94.276	2°09'38.32"
CT	421.407	295569.439	6251522.456	157°28'00.69"			
TC	585.014	295632.136	6251371.339	157°28'00.69"			
IP 5	631.030	295649.772	6251328.832		R = -2500.000	92.031	2°06'33.11"
CT	677.045	295668.961	6251287.002	155°21'27.58"			
TC	731.727	295691.760	6251237.301	155°21'27.58"			
IP 6	777.742	295710.949	6251195.471		R = 2500.000	92.031	2°06'33.11"
CT	823.758	295728.585	6251152.964	157°28'00.69"			
IP 7	914.355	295763.303	6251069.283	157°28'00.69"			

CONTROL ROAD MC03 HORIZONTAL POINTS							
PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	295592.953	6251489.006	67°28'02.49"			
IP 2	63.304	295651.424	6251513.265				
IP 3	76.484	295663.616	6251518.297		R = 284.163	26.360	5°18'53.51"
IP 4	89.663	295676.221	6251522.178	72°53'09.13"			

CONTROL ROAD MC03A HORIZONTAL POINTS							
PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	295591.995	6251491.315	67°28'02.56"			
TC	62.443	295649.671	6251515.244	67°28'02.56"			
IP 2	76.055	295662.254	6251520.465		R = 275.386	27.225	5°39'51.44"
IP 3	89.668	295675.292	6251524.418	73°07'54.01"			

Issue	Description	Date
1	ISSUED FOR 100% DESIGN	15-04-24

100mm on Original

Client

FRASERS PROPERTY · ESR · Stockland · FIFECAPITAL

Scales: AS SHOWN

Drawn	GB
Designed	GB
Checked	AL
Approved	

Grid: GDA2020

Height Datum: AHD

TfNSW REGISTRATION No.

DS2023/001186

Project

MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title

ROAD ALIGNMENT SCHEDULES

Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: RD-2070

Issue: 1

Date Plotted: 15 Apr 2024 - 02:48PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-02-RD-2070.dwg

CONTROL ROAD MK01 HORIZONTAL POINTS

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	295515.147	6251708.180	172°02'36.09"			
IP 2	8.551	295516.342	6251699.630		R = -50.497	17.101	19°24'12.97"
IP 3	17.101	295520.310	6251691.962				
IP 4	46.082	295534.092	6251666.469				
IP 5	49.069	295535.563	6251663.864		R = 49.500	5.975	6°54'59.42"
CT	52.057	295536.709	6251661.101	157°28'00.69"			
TC	159.197	295577.767	6251562.141	157°28'00.69"			
IP 6	171.501	295582.531	6251550.658		R = -70.500	24.609	20°00'00.00"
CT	183.806	295590.934	6251541.498	137°28'00.69"			
TC	207.029	295606.633	6251524.386	137°28'00.69"			
IP 7	223.217	295619.177	6251510.712		R = -26.500	32.376	69°59'57.84"
IP 8	239.404	295636.316	6251517.823				
TC	250.765	295646.809	6251522.176	67°28'12.09"			
IP 9	264.362	295659.378	6251527.390		R = 283.000	27.194	5°30'20.37"
IP 10	277.959	295672.389	6251531.374				
IP 11	277.966	295672.397	6251531.376	72°58'32.47"			

CONTROL ROAD MK02 HORIZONTAL POINTS

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	295682.374	6251507.382	253°39'14.70"			
TC	2.903	295679.588	6251506.565	253°39'14.70"			
IP 2	24.676	295658.325	6251500.329		R = -95.500	43.545	26°07'30.68"
CT	46.448	295641.981	6251485.368	227°31'44.02"			
TC	65.277	295628.093	6251472.654	227°31'44.02"			
IP 3	76.588	295618.527	6251463.897		R = -18.500	22.622	70°03'43.41"
CT	87.899	295623.497	6251451.919	157°28'00.62"			
TC	128.512	295639.061	6251414.406	157°28'00.62"			
IP 4	132.843	295640.725	6251410.395		R = 50.000	8.662	9°55'33.60"
CT	137.174	295641.672	6251406.158	167°23'34.22"			
TC	148.795	295644.209	6251394.818	167°23'34.22"			
IP 5	153.126	295645.157	6251390.580		R = -50.000	8.662	9°55'33.43"
CT	157.457	295646.820	6251386.570	157°28'00.79"			
TC	181.263	295655.943	6251364.582	157°28'00.79"			
IP 6	193.871	295660.775	6251352.936		R = 5010.500	25.217	0°17'18.08"
IP 7	206.480	295665.548	6251341.266				
IP 8	206.494	295665.553	6251341.252				
IP 9	210.951	295667.289	6251337.010		R = -15.500	8.913	32°56'49.29"
IP 10	215.407	295671.052	6251334.394	124°48'29.58"			

CONTROL ROAD MK03 HORIZONTAL POINTS

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	295588.347	6251449.483	348°34'46.38"			
IP 2	7.758	295586.806	6251457.112		R = -80.000	15.516	11°06'45.68"
CT	15.516	295583.824	6251464.300	337°28'00.70"			
TC	66.352	295564.343	6251511.255	337°28'00.70"			
IP 3	67.807	295563.783	6251512.603		R = -15.000	2.909	11°06'45.68"
CT	69.261	295562.975	6251513.817	326°21'15.01"			
IP 4	75.584	295559.471	6251519.081	326°21'15.01"			

CONTROL KERB MS01 HORIZONTAL POINTS

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	295613.453	6251509.864				
IP 2	0.292	295613.759	6251509.547		R = 0.300	0.584	111°29'32.43"
CT	0.584	295613.352	6251509.378	247°28'01.57"			
TC	11.734	295603.053	6251505.105	247°28'01.57"			
IP 3	12.520	295602.129	6251504.722		R = 1.000	1.571	90°00'20.39"
CT	13.305	295601.746	6251505.646	337°28'21.96"			
IP 4	27.265	295596.398	6251518.541				
TC	36.765	295593.648	6251527.634	343°10'39.56"			
IP 5	37.432	295593.420	6251528.387		R = 1.000	1.333	76°23'51.00"
CT	38.099	295594.099	6251528.786	59°34'30.55"			
IP 6	38.765	295594.778	6251529.184		R = 1.000	1.333	76°23'51.00"
CT	39.432	295595.324	6251528.619	135°58'21.55"			
IP7	65.516	295613.453	6251509.864				

CONTROL KERB MS02 HORIZONTAL POINTS

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	295611.842	6251483.380				
IP 2	0.753	295611.540	6251484.267		R = 1.000	1.506	86°15'39.81"
CT	1.506	295612.405	6251484.626	67°28'02.64"			
TC	29.236	295638.019	6251495.253	67°28'02.64"			
IP 3	29.929	295638.786	6251495.571		R = 1.000	1.386	79°26'17.93"
CT	30.622	295639.240	6251494.875	146°54'20.57"			
TC	30.622	295639.240	6251494.875	146°54'20.57"			
IP 4	31.316	295639.693	6251494.179		R = 1.000	1.386	79°26'18.23"
CT	32.009	295639.092	6251493.605	226°20'38.80"			
TC	63.603	295616.234	6251471.795	226°20'38.80"			
IP 5	63.903	295615.895	6251471.471		R = 0.300	0.601	114°51'44.03"
CT	64.204	295615.743	6251471.916	341°12'22.83"			
IP 6	76.314	295611.842	6251483.380				

CONTROL KERB MS03 HORIZONTAL POINTS

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	295565.133	6251552.165				
IP 2	9.967	295569.853	6251543.377		R = 200.000	19.934	5°42'38.01"
CT	19.934	295573.676	6251534.164	157°28'00.66"			
TC	47.427	295584.212	6251508.769	157°28'00.66"			
IP 3	48.125	295584.533	6251507.994		R = 1.000	1.396	79°59'55.32"
CT	48.823	295583.826	6251507.543	237°27'55.98"			
TC	49.988	295582.844	6251506.916	237°27'55.98"			
IP 4	53.218	295579.318	6251504.668		R = 4.000	6.461	92°32'29.02"
CT	56.449	295577.228	6251508.289	330°00'24.99"			
TC	56.865	295577.020	6251508.649	330°00'24.99"			
IP 5	66.181	295572.356	6251516.730		R = 142.000	18.633	7°31'05.59"
CT	75.498	295568.790	6251525.351	337°31'30.58"			
TC	75.516	295568.783	6251525.368	337°31'30.58"			
IP 6	100.536	295559.218	6251548.489		R = 2499.500	50.041	1°08'49.52"
CT	125.557	295550.117	6251571.797	338°40'20.10"			
TC	125.630	295550.091	6251571.865	338°40'20.10"			
IP 7	126.763	295549.577	6251573.180		R = 1.500	2.266	86°32'31.23"
CT	127.896	295550.859	6251573.772	65°12'51.32"			
TC	128.366	295551.286	6251573.969	65°12'51.32"			
IP 8	129.877	295552.996	6251574.759		R = 2.000	3.021	86°32'31.33"
CT	131.387	295553.887	6251573.100	151°45'22.66"			
IP9	155.152	295565.133	6251552.165				

CONTROL KERB MS04 HORIZONTAL POINTS

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	295645.778	6251360.377				
IP 2	36.233	295659.664	6251326.909		R = 4999.500	72.467	0°49'49.77"
CT	72.467	295673.063	6251293.244	158°17'50.52"			
IP 3	111.229	295687.397	6251257.229				
IP 4	111.984	295687.745	6251256.354		R = 1.000	1.511	86°34'43.72"
CC	112.740	295686.892	6251255.954	244°52'34.39"			
IP 5	113.495	295686.039	6251255.554		R = 1.000	1.511	86°34'43.72"
CT	114.251	295685.589	6251256.382	331°27'18.11"			
TC	131.083	295677.546	6251271.168	331°27'18.11"			
IP 6	135.621	295675.371	6251275.165		R = 50.000	9.076	10°24'02.67"
CT	140.159	295673.954	6251279.490	341°51'20.77"			
IP 7	184.294	295660.210	6251321.430				
IP 8	189.512	295658.584	6251326.392		R = -100.000	10.435	5°58'43.93"
IP 9	194.729	295656.450	6251331.158				
IP 10	211.288	295649.682	6251346.272		R = 1193.400	33.117	1°35'23.84"
CT	227.846	295643.336	6251361.567	337°28'00.69"			
IP 11	338.803	295600.815	6251464.054				
IP 12	341.397	295599.814	6251466.468		R = 17.300	5.188	17°10'52.80"
CC	343.991	295599.570	6251469.070	354°38'51.98"			
IP 13	344.365	295599.528	6251469.520		R = 0.526	0.747	81°24'34.29"
IP 14	344.738	295599.967	6251469.629				
IP 15	345.112	295600.406	6251469.738		R = 0.526	0.747	81°24'34.42"
CT	345.485	295600.579	6251469.320	157°28'00.76"			
IP 16	463.432	295645.778	6251360.377				

CONTROL KERB MS05 HORIZONTAL POINTS

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	295676.220	6251522.180	252°59'09.99"			
IP 2	13.167	295663.620	6251518.324		R = -273.400	26.334	5°31'07.65"
CT	26.334	295651.448	6251513.275	247°28'02.35"			
TC	68.004	295612.960	6251497.306	247°28'02.35"			
IP 3	68.534	295612.357	6251497.056		R = 0.720	1.060	84°22'56.17"
IP 4	69.064	295612.049	6251497.632				
IP 5	69.066	295612.048	6251497.633				
IP 6	69.621	295611.718	6251498.251		R = 0.720	1.111	88°26'25.22"
CT	70.177	295612.326	6251498.598	60°17'23.73"			
TC	74.932	295616.457	6251500.955	60°17'23.73"			
IP 7	78.691	295619.725	6251502.820		R = 60.000	7.516	7°10'38.61"
CT	82.449	295623.201	6251504.262	67°28'02.35"			
IP 8	98.605	295638.124	6251510.453				
TC	104.296	295643.415	6251512.550	68°23'02.30"			
IP 9	113.945	295652.385	6251516.104		R = 656.569	19.296	1°41'02.10"
CC	123.593	295661.456	6251519.394	70°04'04.40"			
IP 10	130.945	295668.370	6251521.901		R = 275.000	14.705	3°03'49.70"
IP 11	138.298	295675.408	6251524.035	73°07'54.10"			

Issue	Description	Date
1	ISSUED FOR 100% DESIGN	15-04-24

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	AS SHOWN	Drawn	GB
		Designed	GB
Grid	GDA2020	Checked	AL
Height Datum	AHD	Approved	

TfNSW REGISTRATION No.

DS2023/001186

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: KERB ALIGNMENT SCHEDULES

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: RD-2080

Issue: 1

100mm on Original

Date Plotted: 15 Apr 2024 - 02:48PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-02-RD-2080.dwg

STORMWATER DRAINAGE CHANNEL CH01 HORIZONTAL POINTS

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	295433.430	6251882.993	146°44'38.98"			
TC	25.428	295447.374	6251861.729	146°44'38.98"			
IP 2	35.037	295452.646	6251853.690		R = 250.000	19.216	4°24'14.62"
CT	44.645	295457.285	6251845.270	151°08'53.60"			
TC	70.928	295469.967	6251822.250	151°08'53.60"			
IP 3	83.251	295475.919	6251811.448		R = 250.000	24.646	5°38'54.40"
CT	95.574	295480.778	6251800.113	156°47'48.00"			
TC	113.788	295487.954	6251783.371	156°47'48.00"			
IP 4	114.585	295488.357	6251782.431		R = 1.000	1.594	91°18'34.91"
CT	115.382	295487.408	6251782.049	248°06'22.91"			
IP 5	116.127	295486.716	6251781.771	248°06'22.91"			

STORMWATER DRAINAGE CHANNEL CH02 HORIZONTAL POINTS

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	295499.927	6251751.315	337°06'16.45"			
TC	11.318	295495.524	6251761.741	337°06'16.45"			
IP 2	13.217	295494.783	6251763.496		R = 20.000	3.799	10°52'56.40"
CT	15.116	295494.387	6251765.359	347°59'12.85"			
TC	19.128	295493.552	6251769.283	347°59'12.85"			
IP 3	21.043	295493.152	6251771.162		R = -20.000	3.832	10°58'36.05"
CT	22.959	295492.401	6251772.931	337°00'36.80"			
TC	32.296	295488.755	6251781.527	337°00'36.80"			
IP 4	33.068	295488.374	6251782.423		R = -1.000	1.544	88°27'28.52"
CT	33.840	295487.468	6251782.067	248°33'08.28"			
IP 5	34.648	295486.716	6251781.771	248°33'08.28"			

STORMWATER DRAINAGE CHANNEL CH03 HORIZONTAL POINTS

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	295504.809	6251741.756	156°04'06.98"			
TC	20.180	295512.995	6251723.311	156°04'06.98"			
IP 2	23.883	295514.528	6251719.855		R = -15.000	7.407	28°17'30.39"
CT	27.587	295517.516	6251717.539	127°46'36.60"			
TC	35.482	295523.757	6251712.703	127°46'36.60"			
IP 3	39.087	295526.637	6251710.470		R = 20.000	7.210	20°39'19.67"
CT	42.692	295528.545	6251707.365	148°25'56.26"			
TC	49.796	295532.265	6251701.312	148°25'56.26"			
IP 4	52.979	295533.931	6251698.599		R = 100.000	6.365	3°38'48.07"
CT	56.161	295535.422	6251695.787	152°04'44.33"			
TC	91.194	295551.826	6251664.832	152°04'44.33"			
IP 5	92.202	295552.300	6251663.938		R = 10.000	2.016	11°33'03.80"
CT	93.210	295552.585	6251662.967	163°37'48.13"			
TC	94.711	295553.008	6251661.528	163°37'48.13"			
IP 6	96.205	295553.530	6251659.750		R = 2.000	2.988	85°36'44.03"
CT	97.699	295551.798	6251659.094	249°14'32.16"			
IP 7	99.026	295550.557	6251658.624	249°14'32.16"			

STORMWATER DRAINAGE CHANNEL CH04 HORIZONTAL POINTS

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	295559.355	6251641.618	338°46'32.05"			
TC	17.037	295553.188	6251657.499	338°46'32.05"			
IP 2	18.599	295552.469	6251659.349		R = -2.000	3.125	89°31'59.89"
CT	20.162	295550.614	6251658.645	249°14'32.16"			
IP 3	20.223	295550.557	6251658.624	249°14'32.16"			

STORMWATER DRAINAGE CHANNEL CH05 HORIZONTAL POINTS

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	295650.516	6251417.882	157°08'03.58"			
TC	1.449	295651.079	6251416.547	157°08'03.58"			
IP 2	2.874	295651.637	6251415.225		R = 10.000	2.851	16°20'01.98"
CT	4.299	295651.800	6251413.799	173°28'05.56"			
TC	11.308	295652.597	6251406.835	173°28'05.56"			
IP 3	12.817	295652.769	6251405.336		R = 50.000	3.017	3°27'25.12"
CT	14.325	295652.850	6251403.830	176°55'30.68"			
TC	31.775	295653.786	6251386.405	176°55'30.68"			
IP 4	33.362	295653.872	6251384.807		R = -10.000	3.174	18°10'58.60"
CT	34.949	295654.452	6251383.316	158°44'32.08"			
IP 5	54.924	295661.694	6251364.700				
TC	71.456	295668.171	6251349.489	156°56'13.71"			
IP 6	73.792	295669.159	6251347.169		R = -5.000	4.671	53°31'22.44"
CT	76.127	295671.611	6251346.584	103°24'51.28"			
TC	83.091	295678.385	6251344.968	103°24'51.28"			
IP 7	85.513	295680.944	6251344.358		R = 5.000	4.844	55°30'40.15"
CT	87.935	295681.890	6251341.903	158°55'31.42"			
TC	89.319	295682.388	6251340.611	158°55'31.42"			
IP 8	91.116	295683.125	6251338.700		R = 3.000	3.595	68°39'27.07"
CT	92.914	295681.612	6251337.318	227°34'58.49"			
IP 9	94.765	295680.245	6251336.069	227°34'58.49"			

STORMWATER DRAINAGE CHANNEL CH06 HORIZONTAL POINTS

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	295682.783	6251328.500	159°54'40.46"			
TC	65.261	295705.198	6251267.210	159°54'40.46"			
IP 2	66.744	295705.828	6251265.489		R = 2.000	2.967	84°59'57.37"
CT	68.228	295704.168	6251264.712	244°54'37.83"			
IP 3	68.466	295703.952	6251264.610	244°54'37.83"			

STORMWATER DRAINAGE CHANNEL CH07 HORIZONTAL POINTS

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	295778.849	6251068.394	337°41'58.90"			
TC	48.372	295760.494	6251113.149	337°41'58.90"			
IP 2	48.716	295760.363	6251113.467		R = 10.000	0.687	3°56'19.38"
CT	49.060	295760.255	6251113.793	341°38'18.27"			
IP 3	72.976	295752.721	6251136.492				
TC	153.785	295723.552	6251211.852	338°50'26.94"			
IP 4	156.308	295722.641	6251214.207		R = 50.000	5.046	5°46'56.36"
CT	158.831	295721.971	6251216.642	344°37'23.30"			
TC	174.631	295717.782	6251231.877	344°37'23.30"			
IP 5	176.361	295717.323	6251233.546		R = -50.000	3.460	3°57'54.54"
CT	178.091	295716.749	6251235.179	340°39'28.77"			
TC	201.986	295708.835	6251257.724	340°39'28.77"			
IP 6	202.451	295708.681	6251258.164		R = -50.000	0.932	1°04'02.97"
CT	202.917	295708.519	6251258.601	339°35'25.80"			
TC	208.693	295706.504	6251264.014	339°35'25.80"			
IP 7	209.933	295705.937	6251265.540		R = -1.500	2.479	94°40'47.96"
CT	211.172	295704.463	6251264.849	244°54'37.83"			
IP 8	211.497	295704.168	6251264.712	244°54'37.83"			

STORMWATER DRAINAGE CHANNEL CH08 HORIZONTAL POINTS

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	295779.526	6251066.948	156°43'35.35"			
IP 2	41.962	295796.106	6251028.401				
TC	74.209	295809.499	6250999.066	155°27'40.46"			
IP 3	75.701	295810.119	6250997.708		R = 50.000	2.984	3°25'09.80"
CT	77.193	295810.656	6250996.316	158°52'50.25"			
TC	98.544	295818.349	6250976.400	158°52'50.25"			
IP 4	100.642	295819.106	6250974.441		R = -50.000	4.198	4°48'36.42"
CT	102.741	295820.024	6250972.552	154°04'13.84"			
TC	115.095	295825.426	6250961.442	154°04'13.84"			
IP 5	116.716	295826.345	6250959.551		R = 2.000	3.242	92°52'16.94"
CT	118.336	295824.411	6250958.728	246°56'30.78"			
IP 6	118.802	295823.982	6250958.545	246°56'30.78"			

STORMWATER DRAINAGE CHANNEL CH09 HORIZONTAL POINTS

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	295850.768	6250888.333	339°28'48.01"			
TC	40.210	295836.673	6250925.992	339°28'48.01"			
IP 2	42.026	295836.036	6250927.693		R = 50.000	3.632	4°09'43.35"
CT	43.842	295835.524	6250929.436	343°38'31.36"			
TC	73.112	295827.280	6250957.522	343°38'31.36"			
IP 3	74.800	295826.647	6250959.680		R = -2.000	3.375	96°42'00.65"
CT	76.488	295824.578	6250958.799	246°56'30.71"			
IP 4	77.136	295823.982	6250958.545	246°56'30.71"			

STORMWATER DRAINAGE CHANNEL CH10 HORIZONTAL POINTS

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	295856.792	6250874.275	157°20'55.59"			
TC	17.209	295863.420	6250858.393	157°20'55.59"			
IP 2	18.463	295863.903	6250857.236		R = -50.000	2.507	2°52'23.26"
CT	19.716	295864.443	6250856.105	154°28'32.33"			
TC	35.660	295871.313	6250841.717	154°28'32.33"			
IP 3	37.207	295871.980	6250840.321		R = -50.000	3.093	3°32'38.24"
CT	38.753	295872.731	6250838.969	150°55'54.10"			
TC	51.125	295878.742	6250828.155	150°55'54.10"			
IP 4	51.761	295879.155	6250827.412		R = 0.750	1.272	97°08'13.93"
CT	52.397	295878.367	6250827.095	248°04'08.03"			
IP 5	52.953	295877.851	6250826.887	248°04'08.03"			

STORMWATER DRAINAGE CHANNEL CH11 HORIZONTAL POINTS

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	295882.761	6250810.765	345°07'04.05"			
TC	8.932	295880.467	6250819.397	345°07'04.05"			
IP 2	9.453	295880.333	6250819.901		R = 10.000	1.042	5°58'22.31"
CT	9.975	295880.252	6250820.417	351°05'26.36"			
TC	16.112	295879.301	6250826.480	351°05'26.36"			
IP 3	16.787	295879.155	6250827.412		R = -0.750	1.349	103°01'18.34"
CT	17.461	295878.280	6250827.060	248°04'08.03"			
IP 4	17.923	295877.851	6250826.887	248°04'08.03"			

STORMWATER DRAINAGE CHANNEL CH12 HORIZONTAL POINTS

PT	CHAINAGE	EASTING	NORTHING	BEARING
IP 1	0.000	295885.132	6250802.581	161°53'48.35"
IP 2	23.811	295892.531	6250779.949	
IP 3	34.854	295896.711	6250769.727	157°45'25.66"

STORMWATER DRAINAGE CHANNEL CH13 HORIZONTAL POINTS

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	295584.959	6251434.976	247°02'48.90"			
TC	5.718	295579.694	6251432.746	247°02'48.90"			
IP 2	9.073	295576.604	6251431.438		R = 150.000	6.709	2°33'45.43"
CT	12.427	295573.459	6251430.269	249°36'34.34"			
TC	37.113	295550.321	6251421.668	249°36'34.34"			
IP 3	44.930	295542.986	6251418.942		R = -150.000	15.635	5°58'19.55"
CT	52.748	295535.976	6251415.467	243°38'14.79"			
IP 4	56.196	295532.886	6251413.936	243°38'14.79"			

STORMWATER DRAINAGE CHANNEL CH14 HORIZONTAL POINTS

PT	CHAINAGE	EASTING	NORTHING	BEARING
IP 1	0.000	295641.251	6251300.441	246°04'21.51"
IP 2	4.995	295636.685	6251298.415	246°04'21.51"

STORMWATER DRAINAGE CHANNEL CH15 HORIZONTAL POINTS

PT	CHAINAGE	EASTING	NORTHING	BEARING
IP 1	0.000	295668.592	6251248.054	244°54'37.83"
IP 2	9.211	295660.250	6251244.149	244°54'37.83"

STORMWATER DRAINAGE CHANNEL CH16 HORIZONTAL POINTS

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	295506.404	6251642.058	247°51'04.44"			
TC	2.402	295504.179	6251641.153	247°51'04.44"			
IP 2	4.864	295501.559	6251640.086		R = 4.000	4.925	70°32'18.39"
CT	7.326	295499.680	6251642.201	318°23'22.82"			
TC	10.182	295497.784	6251644.336	318°23'22.82"			
IP 3	11.585	295496.827	6251645.414		R = -5.000	2.807	32°10'01.29"
CT	12.989	295495.443	6251645.817	286°13'21.54"			
IP 4	13.429	295495.020	6251645.940	286°13'21.54"			

STORMWATER DRAINAGE CHANNEL CH17 HORIZONTAL POINTS

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	295574.083	6251612.155	156°26'16.34"			
TC	43.740	295591.568	6251572.062	156°26'16.34"			
IP 2	51.697	295594.776	6251564.707		R = -50.000	15.913	18°14'05.94"
CT	59.653	295600.124	6251558.724	138°12'10.41"			
TC	74.498	295610.018	6251547.657	138°12'10.41"			
IP 3	81.788	295614.975	6251542.113		R = -30.000	14.581	27°50'52.50"
CT	89.079	295621.948	6251539.526	110°21'17.90"			
TC	94.087	295626.643	6251537.784	110°21'17.90"			
IP 4	98.154	295630.681	6251536.286		R = 10.000	8.133	46°35'59.43"
CT	102.220	295632.367	6251532.323	156°57'17.33"			
IP 5	105.315	295633.578	6251529.475	156°57'17.33"			

Issue	Description	Date
1	ISSUED FOR 100% DESIGN	15-04-24

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: AS SHOWN | Grid: GDA2020 | Height Datum: AHD

Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.

DS2023/001186

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: SWALE ALIGNMENT SCHEDULES

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: RD-2085

Issue: 1

Date Plotted: 15 Apr 2024 - 02:49PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-02-RD-2085.dwg

KERB TYPE SCHEDULE

KERB CONTROL	START CHAINAGE	END CHAINAGE	LENGTH	DIRECTION	KERB TYPE
MK01	0	277.966	277.966	SOUTHBOUND/WEASTBOUND	SA
MK02	0	215.407	215.407	WESTBOUND/SOUTHBOUND	SA
MK03	0	75.584	75.584	NORTHBOUND	SA
MS01	0	36.765	36.765	EASTBOUND/SOUTHBOUND	SL
MS01	36.765	65.516	28.751	SOUTHBOUND	SM
MS02	0	29.186	29.186	WESTBOUND	SL
MS02	29.186	64.135	34.949	WESTBOUND	SM
MS02	64.135	76.314	12.179	SOUTHBOUND	SL
MS03	0	155.152	155.152	NORTHBOUND/SOUTHBOUND	SF
MS04	0	463.432	463.432	NORTHBOUND/SOUTHBOUND	SF
MS05	0	98.605	98.605	WESTBOUND/EASTBOUND	SF
MS05	98.605	138.298	39.693	EASTBOUND	SE

Issue	Description	Date
1	ISSUED FOR 100% DESIGN	15-04-24

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: AS SHOWN
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	GB
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: KERB TYPE SCHEDULE

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: RD-2090

Issue: 1

Date Plotted: 15 Apr 2024 - 02:49PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-02-RD-2090.dwg

SURVEY MARK SCHEDULE - MR536 MAMRE ROAD					
	MGA2020 GRID COORDINATES				
MARK ID	EASTING	NORTHING	HEIGHT (AHD)	LOCATION	PROJECT IMPACT
PM 33559	295766.830	6251086.540	42.640	ROAD SHOULDER	TO BE DESTROYED
PM 33560	295749.300	6251079.350	42.350	ROAD SHOULDER	TO REMAIN
PM 33561	295433.850	6251888.430	43.700	ROAD SHOULDER	TO REMAIN
PM 33562	295408.890	6251865.270	43.020	ROAD SHOULDER	TO REMAIN

Issue	Description	Date
1	ISSUED FOR 100% DESIGN	15-04-24

100mm on Original

Client

FRASERS PROPERTY

ESR

Stockland

FIFECAPITAL

Scales: AS SHOWN

Grid: GDA2020

Height Datum: AHD

Drawn: GB

Designed: GB

Checked: AL

Approved:

TfNSW REGISTRATION No.

DS2023/001186

Project

MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title

SURVEY MARK SCHEDULE

Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: RD-2095

Issue: 1

Date Plotted: 15 Apr 2024 - 02:49PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-02-RD-2095.dwg

LOT 8
DP253503

LOT 10
DP1296455

LOT 38
DP258414

LOT 39
DP258414

MAMRE ROAD

CT 125.012

REINSTATE EXISTING FENCE TO EXISTING PROPERTY BOUNDARY.

EXISTING DRIVEWAY TO BE REMOVED.

EXISTING DRIVEWAY TO BE RECONSTRUCTED. REFER TINSW STANDARD DRAWING R0300-04 FOR DETAILS.

1 IN 6 BATTER

1 IN 4 BATTER

VERGE 1.0m

5.3m

6.5m

VARIES

MC01

MC02

LIMIT OF WORKS

PM33561 43.70

PM33562 43.02

EP

CP

F43.72

F43.68

F43.24

4.9m 12.0%

44.00

43.90

43.80

43.70

42.00

FOR CONTINUATION REFER DRAWING RD-2102

LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- EXISTING PAVEMENT
- EXISTING TREE TO BE REMOVED
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- TYPE SA KERB
- TYPE SF KERB
- TYPE SM KERB
- TYPE SE KERB
- TINSW TYPE 'SL' KERB
- SAFETY BARRIER
- KERB RAMP
- VEHICULAR CROSSING (VC)
- PAVEMENT SAWCUT
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED DRAINAGE SWALE
- PROPOSED FENCE
- FINISHED SURFACE LEVEL
- STORMWATER PIT
- SURVEY PERMANENT MARKER TO REMAIN
- SURVEY PERMANENT MARKER TO BE DESTROYED

EXISTING SERVICES

- ELECTRICITY
- ELECTRICITY OVERHEAD
- COMMUNICATIONS OVERHEAD
- WATER SERVICE
- STORMWATER

PROPOSED SERVICES

- LIGHT POLE
- ELECTRICITY POLE
- COMMUNICATIONS POLE
- SIGNAL POST
- SIGNAL CONTROL BOX

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 250 @ A1
Grid: GDA2020
Height Datum: AHD

Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: ROADWORKS PLAN SHEET 1

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: RD-2101

Issue: 2

Date Plotted: 15 Apr 2024 - 02:50PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-02-RD-2101.dwg

LOT 10
DP1296455

SAG 284.489

MAMRE ROAD

MC01

MC02

FOR CONTINUATION REFER DRAWING RD-2101

FOR CONTINUATION REFER DRAWING RD-2103

EXISTING DRIVEWAY TO BE RECONSTRUCTED. REFER TfNSW STANDARD DRAWING R0300-04 FOR DETAILS.

EXISTING DRIVEWAY TO BE RECONSTRUCTED. REFER TfNSW STANDARD DRAWING R0300-04 FOR DETAILS.

EXISTING DRIVEWAY TO BE RECONSTRUCTED. REFER TfNSW STANDARD DRAWING R0300-04 FOR DETAILS.

SAG 275.071

TC 327.131

LOT 39
DP258414

LOT 40
DP258414

LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- EXISTING PAVEMENT
- EXISTING TREE TO BE REMOVED
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- TYPE SA KERB
- TYPE SF KERB
- TYPE SM KERB
- TYPE SE KERB
- TfNSW TYPE 'SL' KERB
- SAFETY BARRIER
- KERB RAMP
- VEHICULAR CROSSING
- PAVEMENT SAWCUT
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED DRAINAGE SWALE
- PROPOSED FENCE
- FINISHED SURFACE LEVEL
- STORMWATER PIT
- SURVEY PERMANENT MARKER TO REMAIN
- SURVEY PERMANENT MARKER TO BE DESTROYED

EXISTING SERVICES

- ELECTRICITY
- ELECTRICITY OVERHEAD
- COMMUNICATIONS OVERHEAD
- WATER SERVICE
- STORMWATER

PROPOSED SERVICES

- LIGHT POLE
- ELECTRICITY POLE
- COMMUNICATIONS POLE
- SIGNAL POST
- SIGNAL CONTROL BOX

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	1 : 250 @ A1
Grid	GDA2020
Height Datum	AHD
Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title
ROADWORKS PLAN SHEET 2

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: RD-2102

Issue: 2

Date Plotted: 15 Apr 2024 - 02:52PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-02-RD-2102.dwg

FOR CONTINUATION REFER DRAWING RD-2108

FOR CONTINUATION REFER DRAWING RD-2102

FOR CONTINUATION REFER DRAWING RD-2104

LOT 10
DP1296455

LOT 2
DP250002

LOT 40
DP258414

ABBOTTS ROAD

MAMRE ROAD

MAMRE ROAD

TRANSITION FROM TYPE SE KERB TO TYPE SF KERB OVER 5m.

SAG 24.855

SAG 24,577

CREST 512.676

CREST 513.734

CT 421.407

25.0m FUTURE STORMWATER DRAINAGE CHANNEL AS REQUIRED BY MAMRE ROAD PRECINCT STORMWATER SCHEME

CONSTRUCT DRIVEWAY FOR EXISTING SUBSTATION AND CUVLERT HEADWALL ACCESS.

EXISTING SUBSTATION

EXISTING DRIVEWAY TO BE RECONSTRUCTED. REFER TfNSW STANDARD DRAWING R0300-04 FOR DETAILS.

MC01 MC02 MC03A MC03

0.000 0.000

LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- EXISTING PAVEMENT
- EXISTING TREE TO BE REMOVED
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- TYPE SA KERB
- TYPE SF KERB
- TYPE SM KERB
- TYPE SE KERB
- TfNSW TYPE 'SL' KERB
- SAFETY BARRIER
- KERB RAMP
- VEHICULAR CROSSING
- PAVEMENT SAWCUT
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED DRAINAGE SWALE
- PROPOSED FENCE
- FINISHED SURFACE LEVEL
- STORMWATER PIT
- SURVEY PERMANENT MARKER TO REMAIN
- SURVEY PERMANENT MARKER TO BE DESTROYED

EXISTING SERVICES

- ELECTRICITY
- ELECTRICITY OVERHEAD
- COMMUNICATIONS OVERHEAD
- WATER SERVICE
- STORMWATER

PROPOSED SERVICES

- LIGHT POLE
- ELECTRICITY POLE
- COMMUNICATIONS POLE
- SIGNAL POST
- SIGNAL CONTROL BOX

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 250 @ A1
Grid: GDA2020
Height Datum: AHD

Drawn: GB
Designed: GB
Checked: AL
Approved:

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title
ROADWORKS PLAN SHEET 3

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

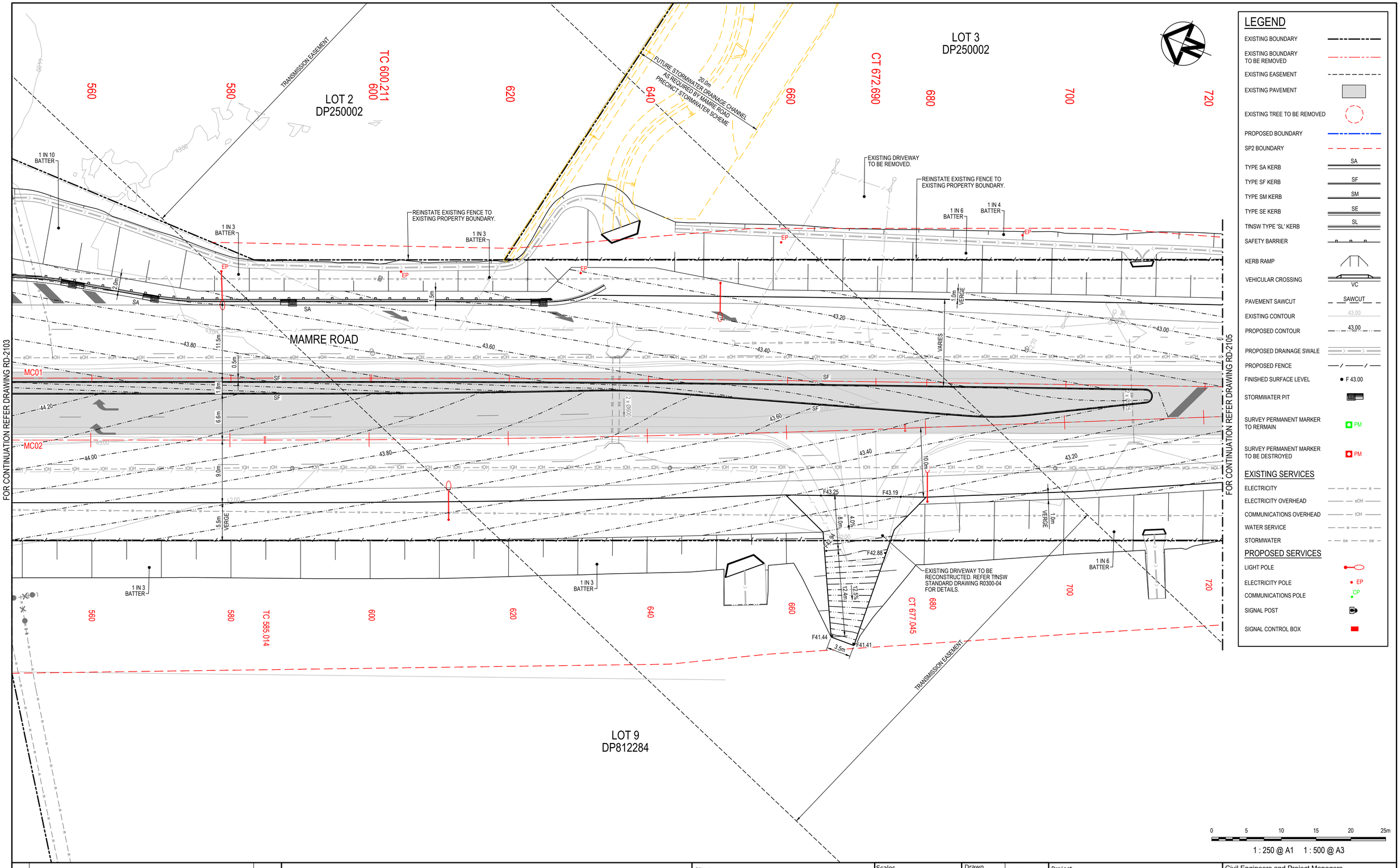
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: RD-2103

Issue: 2

Date Plotted: 15 Apr 2024 - 02:53PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-02-RD-2103.dwg



LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- EXISTING PAVEMENT
- EXISTING TREE TO BE REMOVED
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- TYPE SA KERB
- TYPE SF KERB
- TYPE SM KERB
- TYPE SE KERB
- TfNSW TYPE 'SL' KERB
- SAFETY BARRIER
- KERB RAMP
- VEHICULAR CROSSING
- PAVEMENT SAWCUT
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED DRAINAGE SWALE
- PROPOSED FENCE
- FINISHED SURFACE LEVEL
- STORMWATER PIT
- SURVEY PERMANENT MARKER TO RERMAIN
- SURVEY PERMANENT MARKER TO BE DESTROYED

EXISTING SERVICES

- ELECTRICITY
- ELECTRICITY OVERHEAD
- COMMUNICATIONS OVERHEAD
- WATER SERVICE
- STORMWATER

PROPOSED SERVICES

- LIGHT POLE
- ELECTRICITY POLE
- COMMUNICATIONS POLE
- SIGNAL POST
- SIGNAL CONTROL BOX

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 250 @ A1
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	GB
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: ROADWORKS PLAN SHEET 4

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

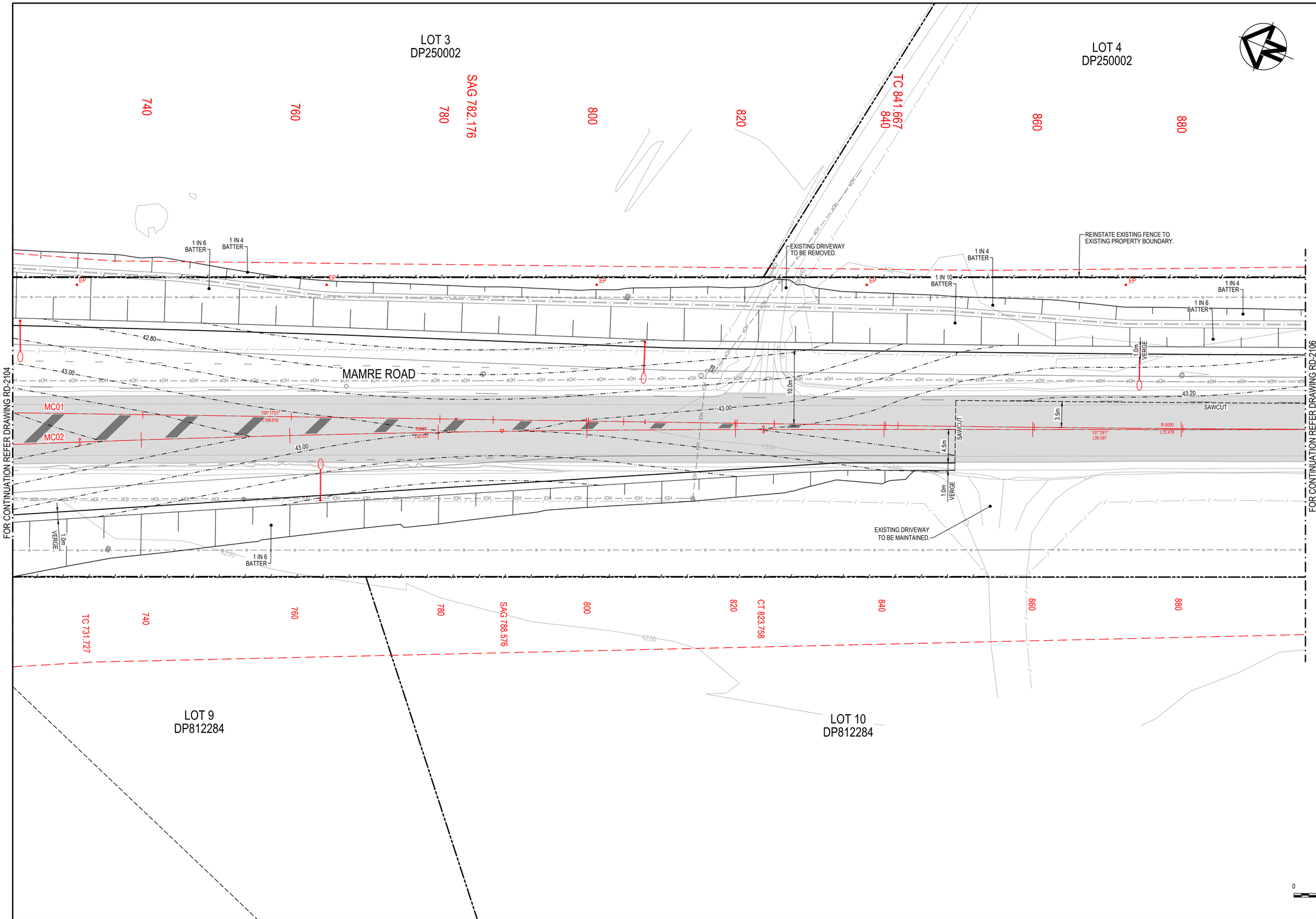
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: RD-2104

Issue: 2

Date Plotted: 15 Apr 2024 - 02:54PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-02-RD-2104.dwg



LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- EXISTING PAVEMENT
- EXISTING TREE TO BE REMOVED
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- TYPE SA KERB
- TYPE SF KERB
- TYPE SM KERB
- TYPE SE KERB
- TfNSW TYPE 'SL' KERB
- SAFETY BARRIER
- KERB RAMP
- VEHICULAR CROSSING
- PAVEMENT SAWCUT
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED DRAINAGE SWALE
- PROPOSED FENCE
- FINISHED SURFACE LEVEL
- STORMWATER PIT
- SURVEY PERMANENT MARKER TO RERMAIN
- SURVEY PERMANENT MARKER TO BE DESTROYED

EXISTING SERVICES

- ELECTRICITY
- ELECTRICITY OVERHEAD
- COMMUNICATIONS OVERHEAD
- WATER SERVICE
- STORMWATER

PROPOSED SERVICES

- LIGHT POLE
- ELECTRICITY POLE
- COMMUNICATIONS POLE
- SIGNAL POST
- SIGNAL CONTROL BOX

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
3	ISSUED FOR 100% DESIGN	15-04-24
2	ISSUED FOR INFORMATION	14-03-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 250 @ A1

Grid: GDA2020

Height Datum: AHD

Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.

DS2023/001186

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: ROADWORKS PLAN SHEET 5

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

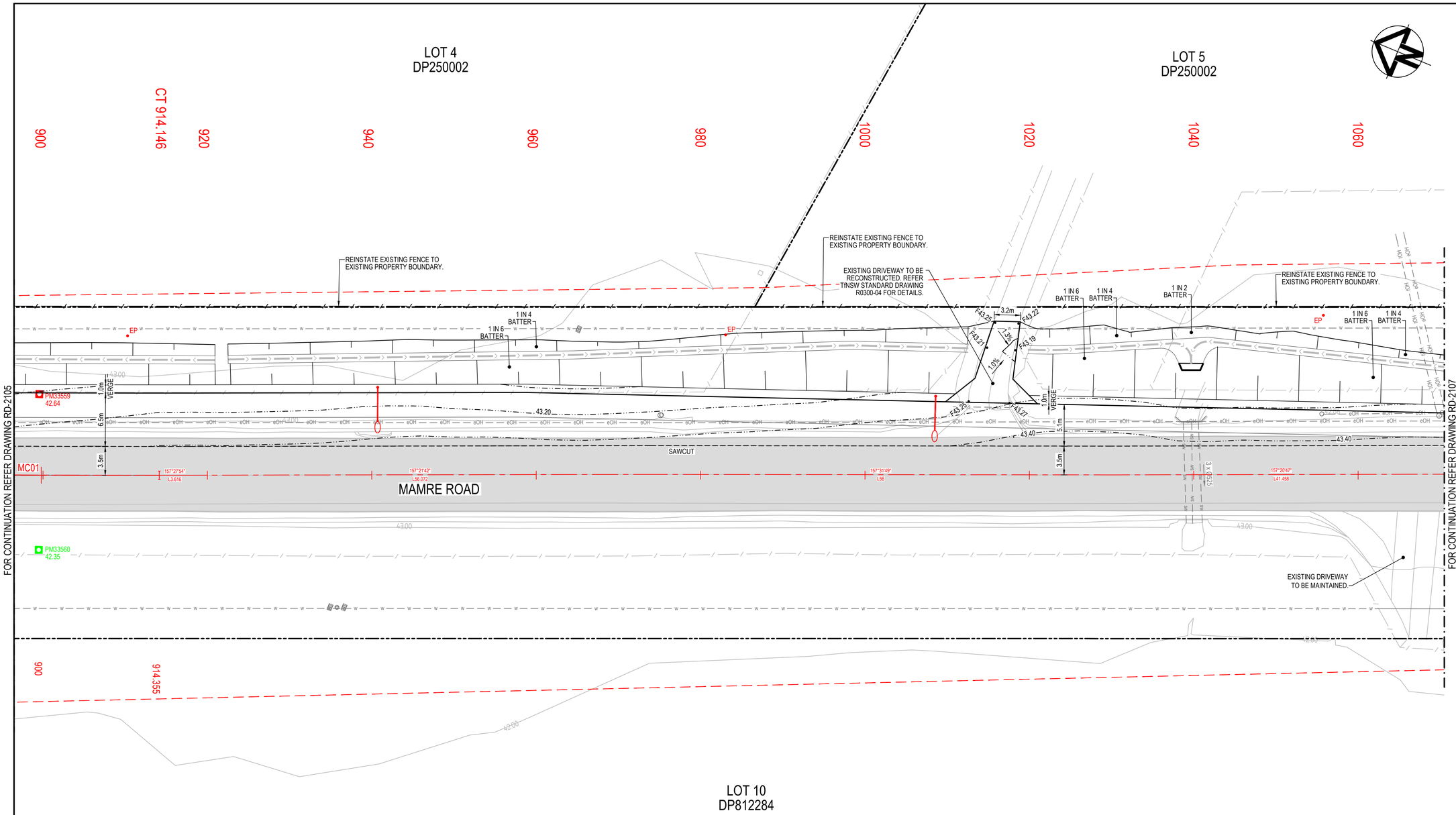
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: RD-2105

Issue: 3

Date Plotted: 15 Apr 2024 - 02:55PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-02-RD-2105.dwg



LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- EXISTING PAVEMENT
- EXISTING TREE TO BE REMOVED
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- TYPE SA KERB
- TYPE SF KERB
- TYPE SM KERB
- TYPE SE KERB
- TfNSW TYPE 'SL' KERB
- SAFETY BARRIER
- KERB RAMP
- VEHICULAR CROSSING
- PAVEMENT SAWCUT
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED DRAINAGE SWALE
- PROPOSED FENCE
- FINISHED SURFACE LEVEL
- STORMWATER PIT
- SURVEY PERMANENT MARKER TO RERMAIN
- SURVEY PERMANENT MARKER TO BE DESTROYED

EXISTING SERVICES

- ELECTRICITY
- ELECTRICITY OVERHEAD
- COMMUNICATIONS OVERHEAD
- WATER SERVICE
- STORMWATER

PROPOSED SERVICES

- LIGHT POLE
- ELECTRICITY POLE
- COMMUNICATIONS POLE
- SIGNAL POST
- SIGNAL CONTROL BOX

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
3	ISSUED FOR 100% DESIGN	15-04-24
2	ISSUED FOR INFORMATION	14-03-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	1 : 250 @ A1
Grid	GDA2020
Height Datum	AHD
Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title
ROADWORKS PLAN SHEET 6

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

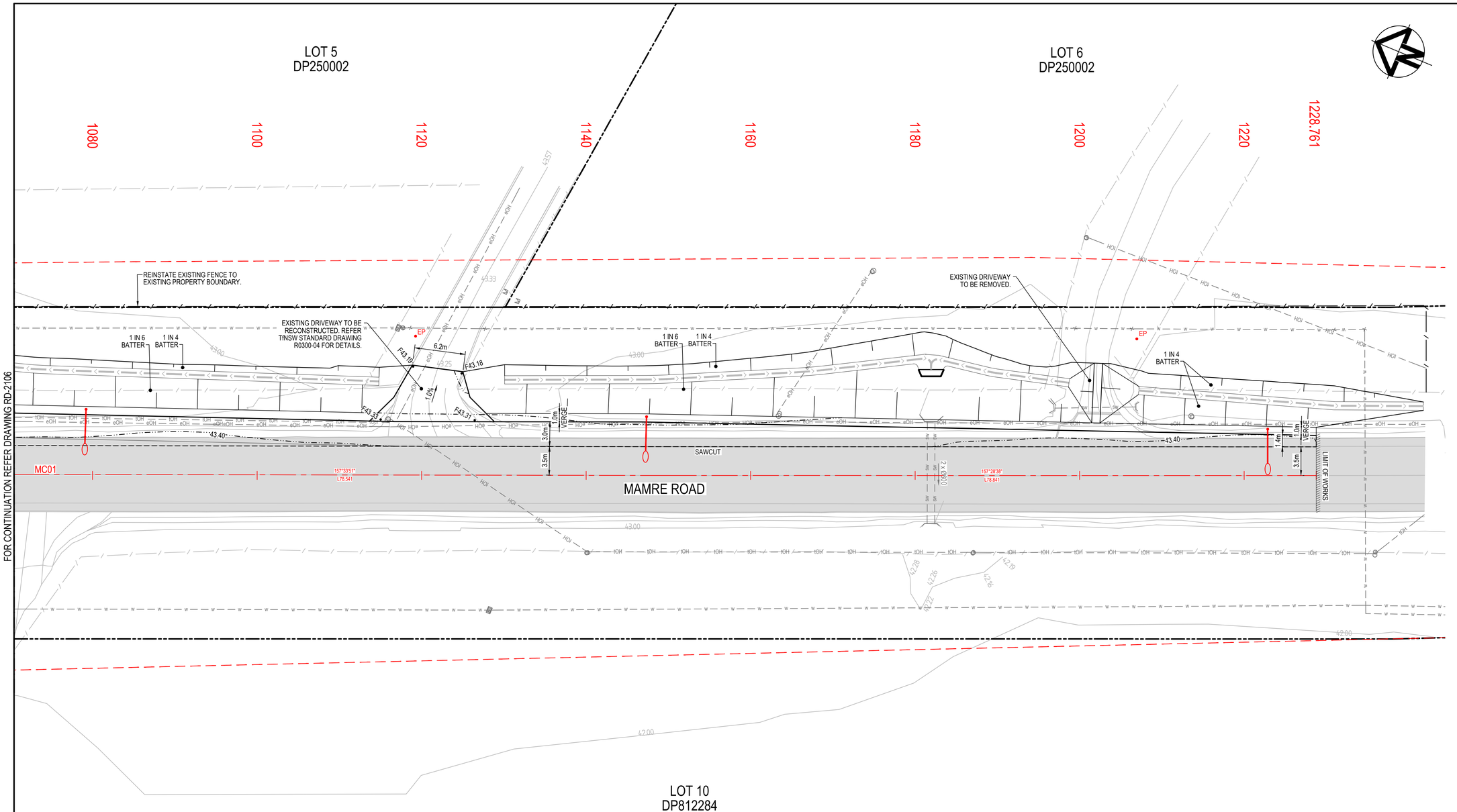
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: RD-2106

Issue: 3

Date Plotted: 15 Apr 2024 - 02:55PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-02-RD-2106.dwg



LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- EXISTING PAVEMENT
- EXISTING TREE TO BE REMOVED
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- TYPE SA KERB
- TYPE SF KERB
- TYPE SM KERB
- TYPE SE KERB
- TfNSW TYPE 'SL' KERB
- SAFETY BARRIER
- KERB RAMP
- VEHICULAR CROSSING
- PAVEMENT SAWCUT
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED DRAINAGE SWALE
- PROPOSED FENCE
- FINISHED SURFACE LEVEL
- STORMWATER PIT
- SURVEY PERMANENT MARKER TO RERMAIN
- SURVEY PERMANENT MARKER TO BE DESTROYED

EXISTING SERVICES

- ELECTRICITY
- ELECTRICITY OVERHEAD
- COMMUNICATIONS OVERHEAD
- WATER SERVICE
- STORMWATER

PROPOSED SERVICES

- LIGHT POLE
- ELECTRICITY POLE
- COMMUNICATIONS POLE
- SIGNAL POST
- SIGNAL CONTROL BOX

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
3	ISSUED FOR 100% DESIGN	15-04-24
2	ISSUED FOR INFORMATION	14-03-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 250 @ A1
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	GB
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: ROADWORKS PLAN SHEET 7

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

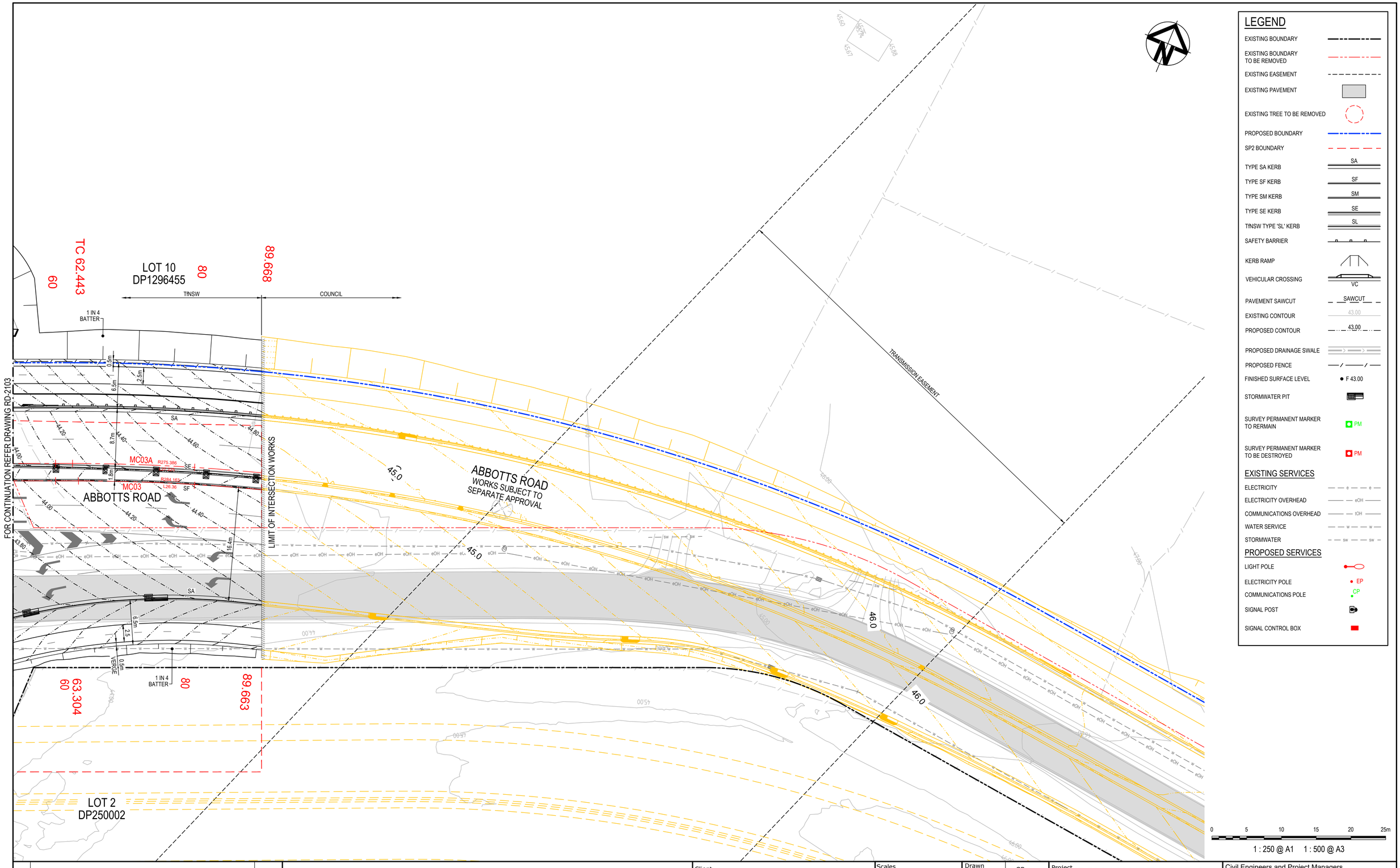
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: RD-2107

Issue: 3

Date Plotted: 15 Apr 2024 - 02:56PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-02-RD-2107.dwg



LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- EXISTING PAVEMENT
- EXISTING TREE TO BE REMOVED
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- TYPE SA KERB
- TYPE SF KERB
- TYPE SM KERB
- TYPE SE KERB
- TfNSW TYPE 'SL' KERB
- SAFETY BARRIER
- KERB RAMP
- VEHICULAR CROSSING
- PAVEMENT SAWCUT
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED DRAINAGE SWALE
- PROPOSED FENCE
- FINISHED SURFACE LEVEL
- STORMWATER PIT
- SURVEY PERMANENT MARKER TO RERMAIN
- SURVEY PERMANENT MARKER TO BE DESTROYED

EXISTING SERVICES

- ELECTRICITY
- ELECTRICITY OVERHEAD
- COMMUNICATIONS OVERHEAD
- WATER SERVICE
- STORMWATER

PROPOSED SERVICES

- LIGHT POLE
- ELECTRICITY POLE
- COMMUNICATIONS POLE
- SIGNAL POST
- SIGNAL CONTROL BOX

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	1 : 250 @ A1
Grid	GDA2020
Height Datum	AHD
Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.

DS2023/001186

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: ROADWORKS PLAN SHEET 8

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

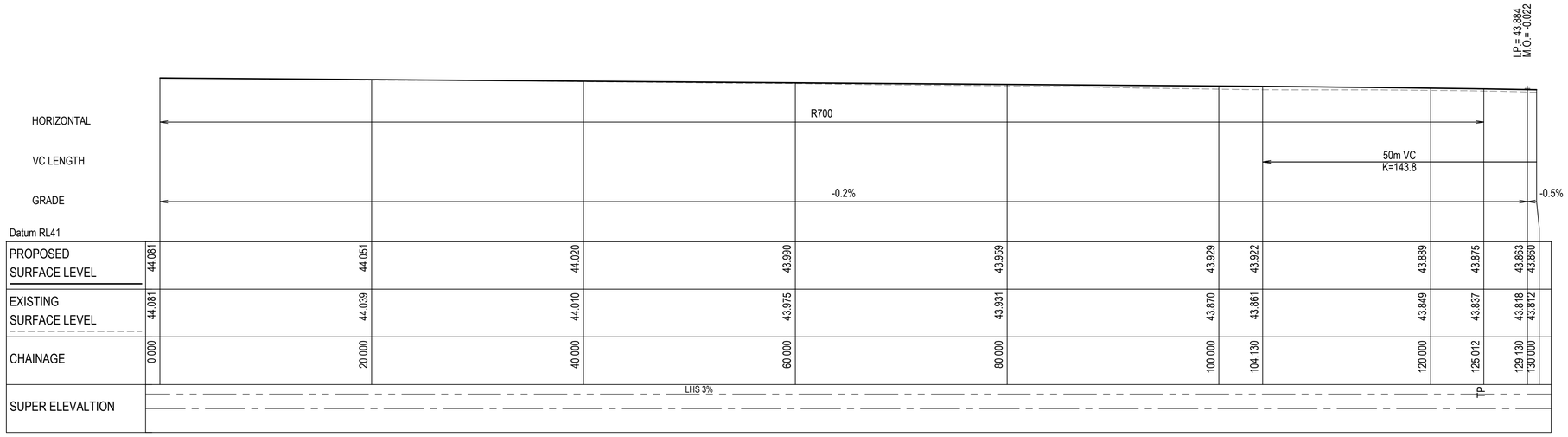
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

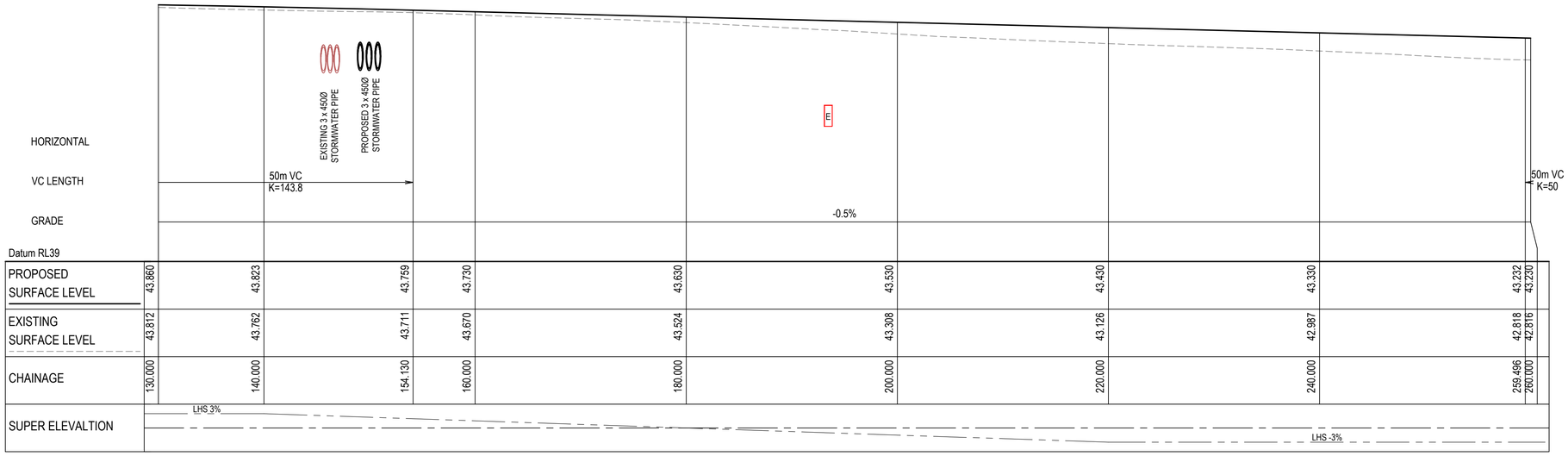
Project - Drawing No.: RD-2108

Issue: 2

Date Plotted: 15 Apr 2024 - 02:57PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-02-RD-2108.dwg



MAMRE ROAD
MC01 LONGITUDINAL SECTION
SCALE 1:250 HORI.
1:50 VERT.



MAMRE ROAD
MC01 LONGITUDINAL SECTION
SCALE 1:250 HORI.
1:50 VERT.

0 1 2 3 4 5m
1 : 50 @ A1 1 : 100 @ A3

0 5 10 15 20 25m
1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 50 (V) @ A1
1 : 250 (H) @ A1
Grid: GDA2020
Height Datum: AHD

Drawn: GB
Designed: GB
Checked: AL
Approved:

TfNSW REGISTRATION No.
DS2023/001186

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

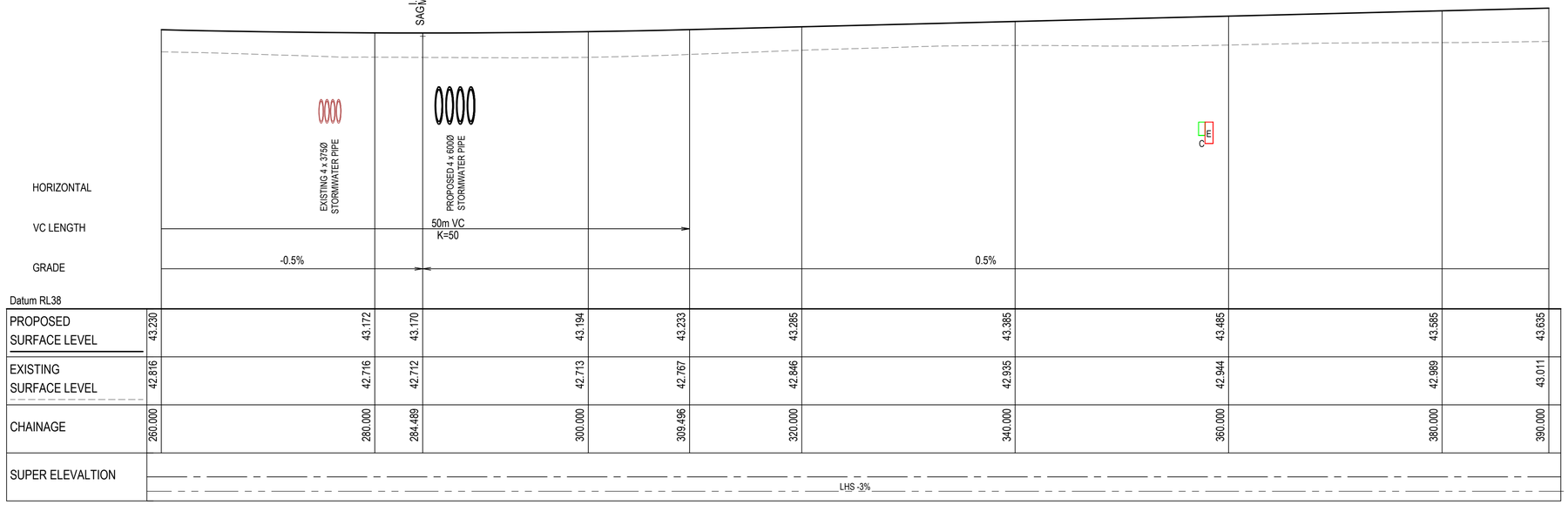
Title: ROAD LONGITUDINAL SECTION MC01 SHEET 1

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Project - Drawing No.: RL-2121
Issue: 2

Date Plotted: 15 Apr 2024 - 02:57PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-03-RL-2121.dwg



MAMRE ROAD
MC01 LONGITUDINAL SECTION

SCALE 1:250 HORI.
1:50 VERT.

MAMRE ROAD
MC01 LONGITUDINAL SECTION

SCALE 1:250 HORI.
1:50 VERT.

0 1 2 3 4 5m
1 : 50 @ A1 1 : 100 @ A3
0 5 10 15 20 25m
1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 50 (V) @ A1, 1 : 250 (H) @ A1
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	GB
Checked	AL
Approved	

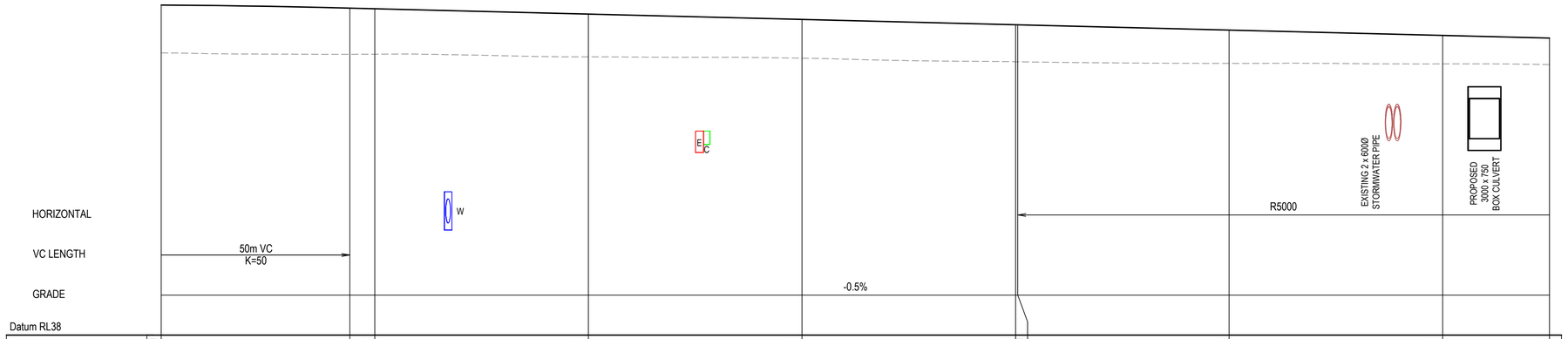
Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: ROAD LONGITUDINAL SECTION MC01 SHEET 2

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

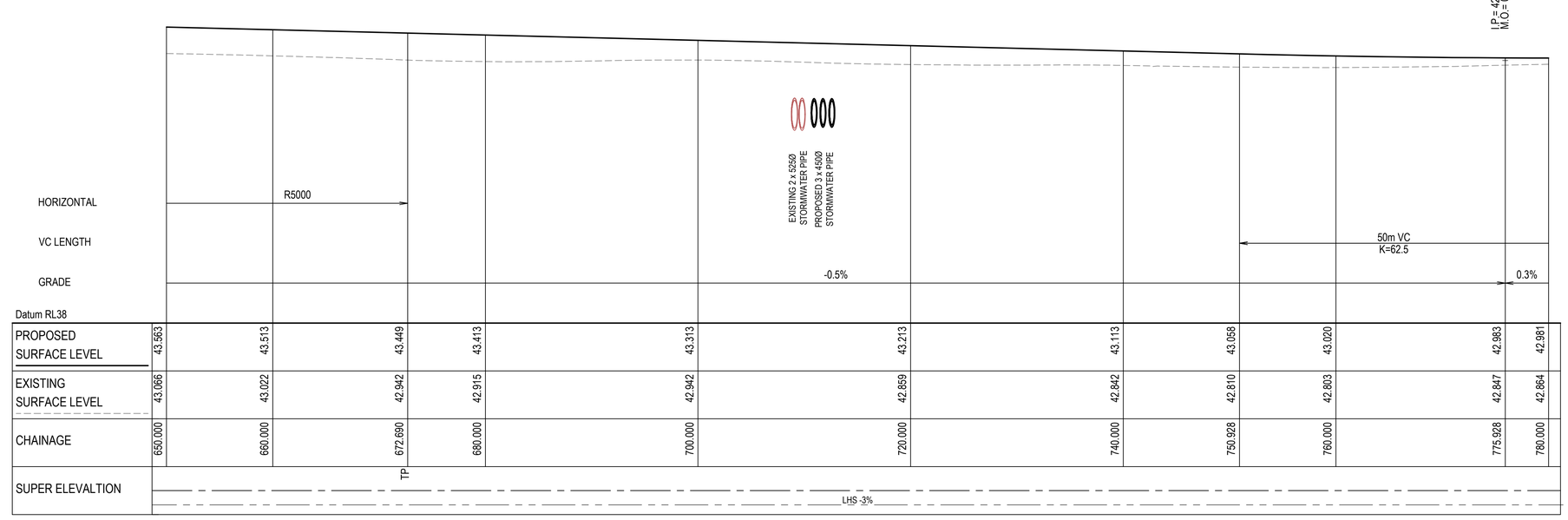
Project - Drawing No.: RL-2122
Issue: 2



Datum RL38											
PROPOSED SURFACE LEVEL	44.181	44.124	44.112	44.012	43.912	43.813	43.811	43.713	43.613	43.563	
EXISTING SURFACE LEVEL	43.284	43.258	43.260	43.211	43.186	43.119	43.118	43.088	43.079	43.066	
CHAINAGE	520.000	537.661	540.000	560.000	580.000	600.000	600.211	620.000	640.000	650.000	
SUPER ELEVALTION							TP				
	LHS -3%										

MAMRE ROAD
MC01 LONGITUDINAL SECTION

SCALE 1:250 HORI.
1:50 VERT.



Datum RL38											
PROPOSED SURFACE LEVEL	43.563	43.513	43.449	43.413	43.313	43.213	43.113	43.058	43.020	42.983	42.981
EXISTING SURFACE LEVEL	43.066	43.022	42.942	42.915	42.942	42.859	42.842	42.810	42.803	42.847	42.864
CHAINAGE	650.000	660.000	672.690	680.000	700.000	720.000	740.000	750.928	760.000	775.928	780.000
SUPER ELEVALTION			TP								
	LHS -3%										

MAMRE ROAD
MC01 LONGITUDINAL SECTION

SCALE 1:250 HORI.
1:50 VERT.

0 1 2 3 4 5m
1 : 50 @ A1 1 : 100 @ A3

0 5 10 15 20 25m
1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	1 : 50 (V) @ A1 1 : 250 (H) @ A1	Drawn	GB
		Designed	GB
Grid	GDA2020	Checked	AL
Height Datum	AHD	Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: ROAD LONGITUDINAL SECTION MC01 SHEET 3

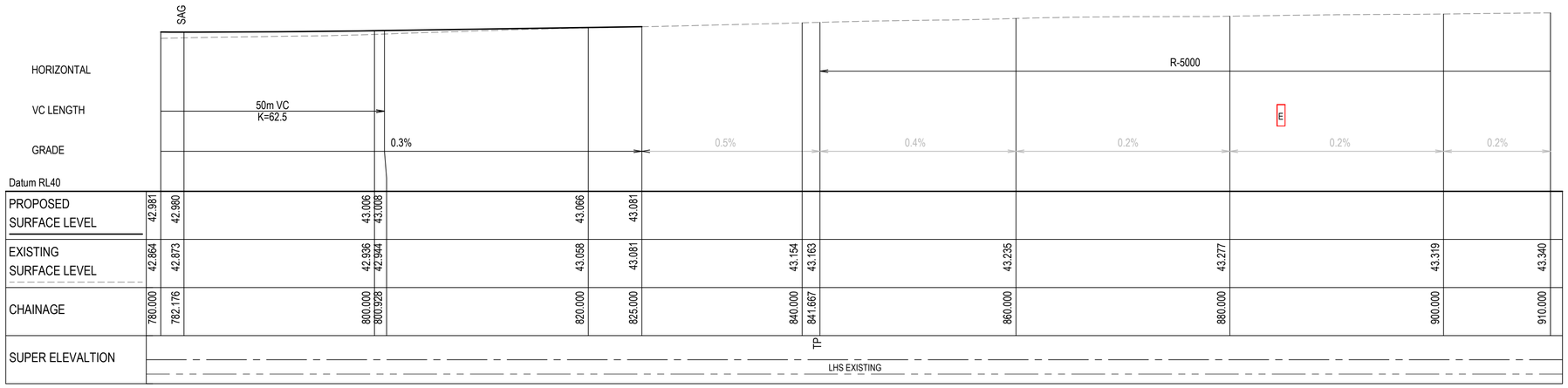
Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

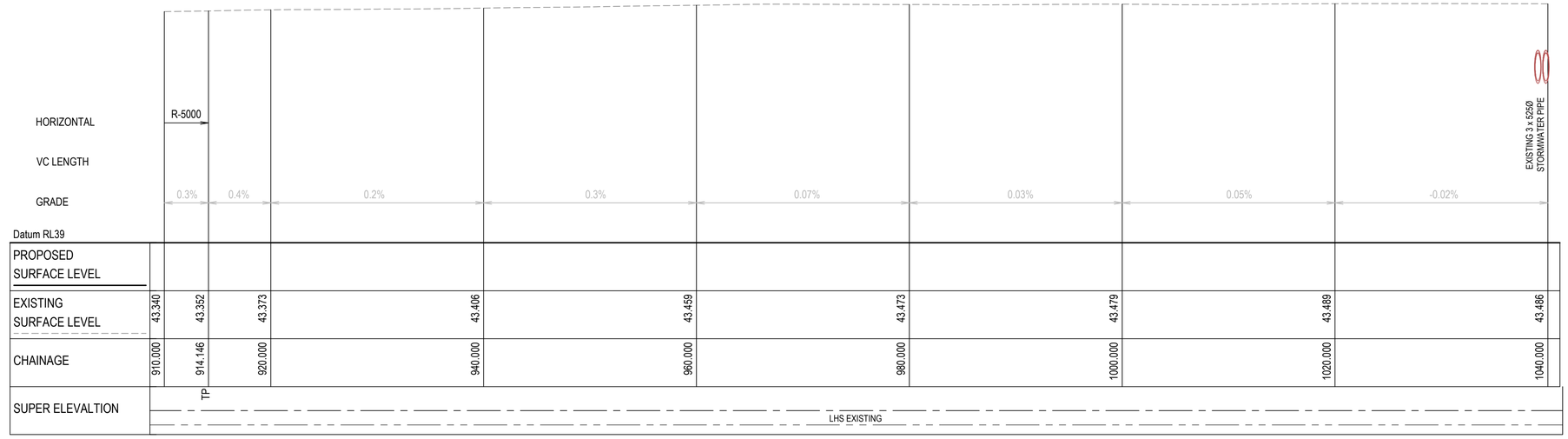
Project - Drawing No.: RL-2123
Issue: 2

100mm on Original

Date Plotted: 13 Apr 2024 - 03:10PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-03-RL-2123.dwg



MAMRE ROAD
MC01 LONGITUDINAL SECTION
SCALE 1:250 HORI.
1:50 VERT.



MAMRE ROAD
MC01 LONGITUDINAL SECTION
SCALE 1:250 HORI.
1:50 VERT.

0 1 2 3 4 5m
1 : 50 @ A1 1 : 100 @ A3

0 5 10 15 20 25m
1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 50 (V) @ A1, 1 : 250 (H) @ A1
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	GB
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: ROAD LONGITUDINAL SECTION MC01 SHEET 4

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Project - Drawing No.: RL-2124
Issue: 2

Date Plotted: 13 Apr 2024 - 03:10PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-03-RL-2124.dwg

HORIZONTAL		EXISTING 3 x 525Ø STORMWATER PIPE						
VC LENGTH								
GRADE		0.1%	0.06%	0.1%	-0.2%	0.2%	0.1%	-0.03%
Datum RL39								
PROPOSED SURFACE LEVEL								
EXISTING SURFACE LEVEL	43.486	43.496	43.507	43.527	43.487	43.441	43.461	43.458
CHAINAGE	1040.000	1060.000	1080.000	1100.000	1120.000	1140.000	1160.000	1170.000
SUPER ELEVALTION	LHS EXISTING							

MAMRE ROAD
MC01 LONGITUDINAL SECTION
SCALE 1:250 HORI.
1:50 VERT.

HORIZONTAL		EXISTING 2 x 600Ø STORMWATER PIPE			
VC LENGTH					
GRADE	-0.2%	0.2%	0.1%	0.0%	
Datum RL39					
PROPOSED SURFACE LEVEL					
EXISTING SURFACE LEVEL	43.458	43.442	43.478	43.503	43.501
CHAINAGE	1170.000	1180.000	1200.000	1220.000	1228.761
SUPER ELEVALTION	LHS EXISTING				

MAMRE ROAD
MC01 LONGITUDINAL SECTION
SCALE 1:250 HORI.
1:50 VERT.

0 1 2 3 4 5m
1 : 50 @ A1 1 : 100 @ A3

0 5 10 15 20 25m
1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 50 (V) @ A1, 1 : 250 (H) @ A1
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	GB
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

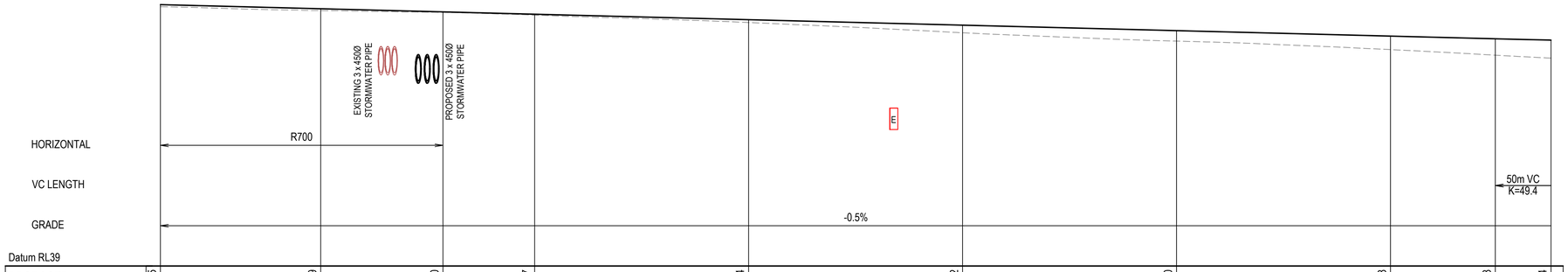
Title: ROAD LONGITUDINAL SECTION MC01 SHEET 5

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

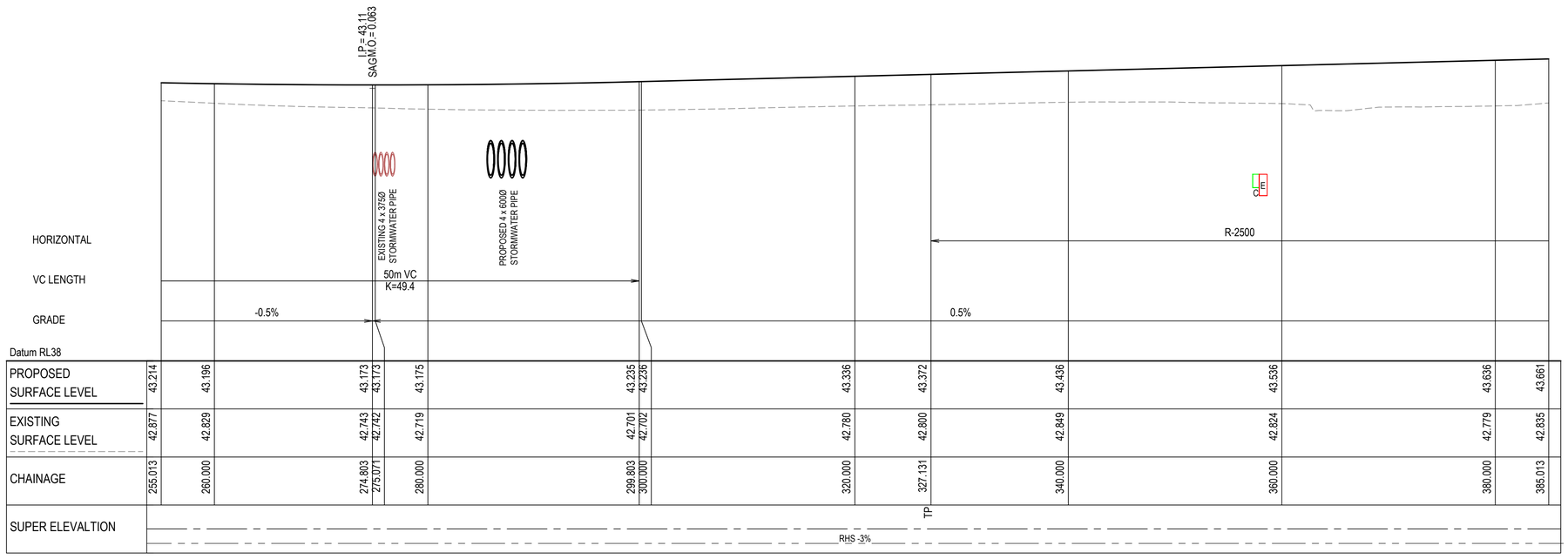
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Project - Drawing No.: RL-2125
Issue: 2

Date Plotted: 13 Apr 2024 - 03:10PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-03-RL-2125.dwg



MAMRE ROAD
MC02 LONGITUDINAL SECTION
SCALE 1:250 HORI.
1:50 VERT.



MAMRE ROAD
MC02 LONGITUDINAL SECTION
SCALE 1:250 HORI.
1:50 VERT.

0 1 2 3 4 5m
1 : 50 @ A1 1 : 100 @ A3
0 5 10 15 20 25m
1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 50 (V) @ A1, 1 : 250 (H) @ A1
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	GB
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

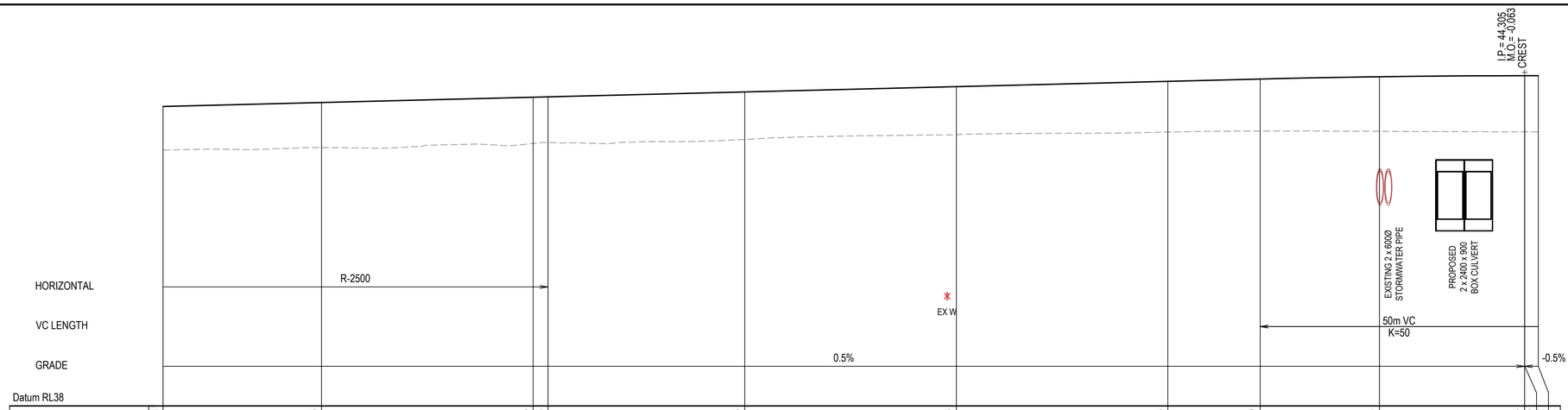
Title: ROAD LONGITUDINAL SECTION MC02 SHEET 1

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

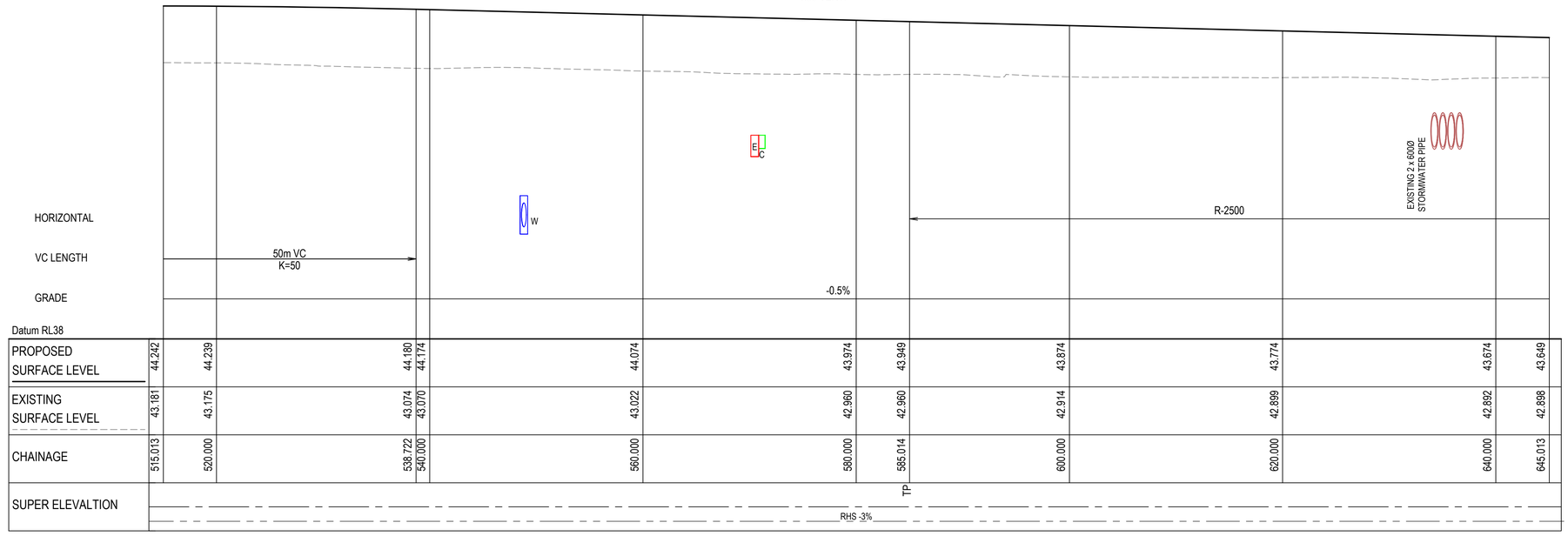
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Project - Drawing No.: RL-2131
Issue: 2

Date Plotted: 13 Apr 2024 - 03:10PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-03-RL-2131.dwg



MAMRE ROAD
MC02 LONGITUDINAL SECTION
SCALE 1:250 HORI.
1:50 VERT.



MAMRE ROAD
MC02 LONGITUDINAL SECTION
SCALE 1:250 HORI.
1:50 VERT.

0 1 2 3 4 5m
1 : 50 @ A1 1 : 100 @ A3
0 5 10 15 20 25m
1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 50 (V) @ A1, 1 : 250 (H) @ A1
Grid: GDA2020
Height Datum: AHD
Drawn: GB
Designed: GB
Checked: AL
Approved:
TfNSW REGISTRATION No.: DS2023/001186

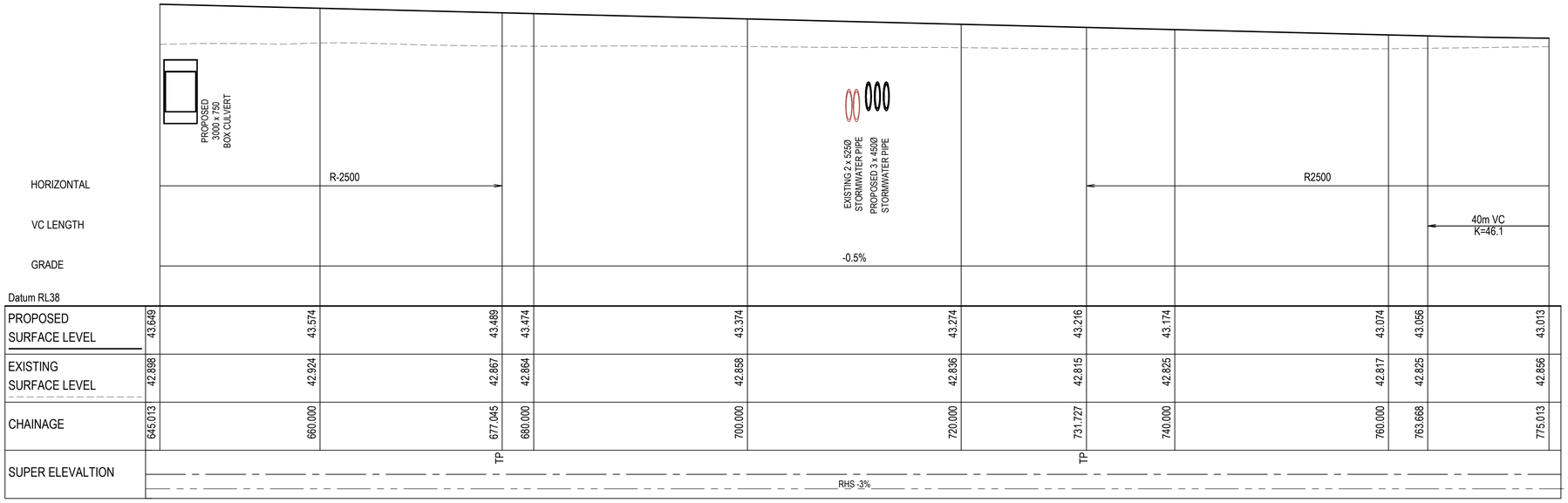
Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: ROAD LONGITUDINAL SECTION MC02 SHEET 2

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1
Project - Drawing No.: RL-2132
Issue: 2

Date Plotted: 13 Apr 2024 - 03:10PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-03-RL-2132.dwg



MAMRE ROAD
MC02 LONGITUDINAL SECTION
SCALE 1:250 HORI.
1:50 VERT.

MAMRE ROAD
MC02 LONGITUDINAL SECTION
SCALE 1:250 HORI.
1:50 VERT.

0 1 2 3 4 5m
1 : 50 @ A1 1 : 100 @ A3

0 5 10 15 20 25m
1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 50 (V) @ A1; 1 : 250 (H) @ A1
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	GB
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

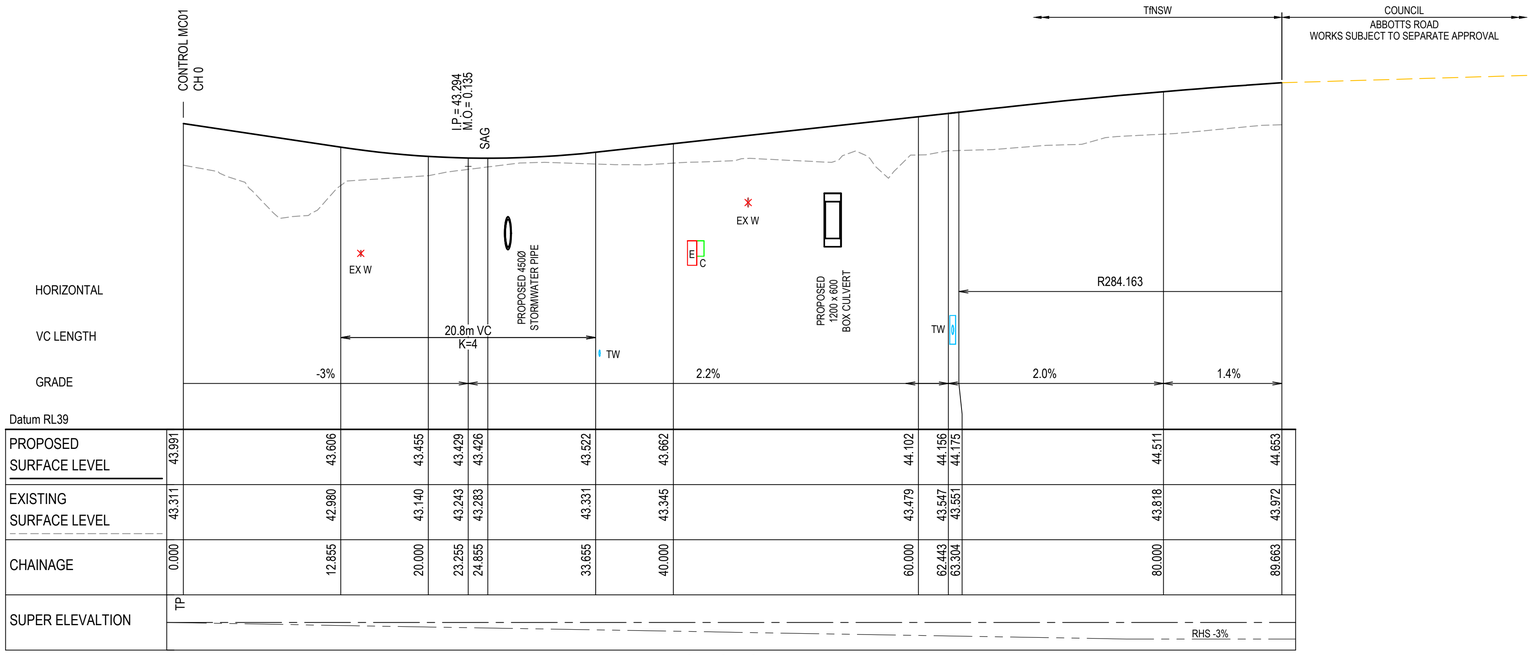
Title: ROAD LONGITUDINAL SECTION MC02 SHEET 3

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

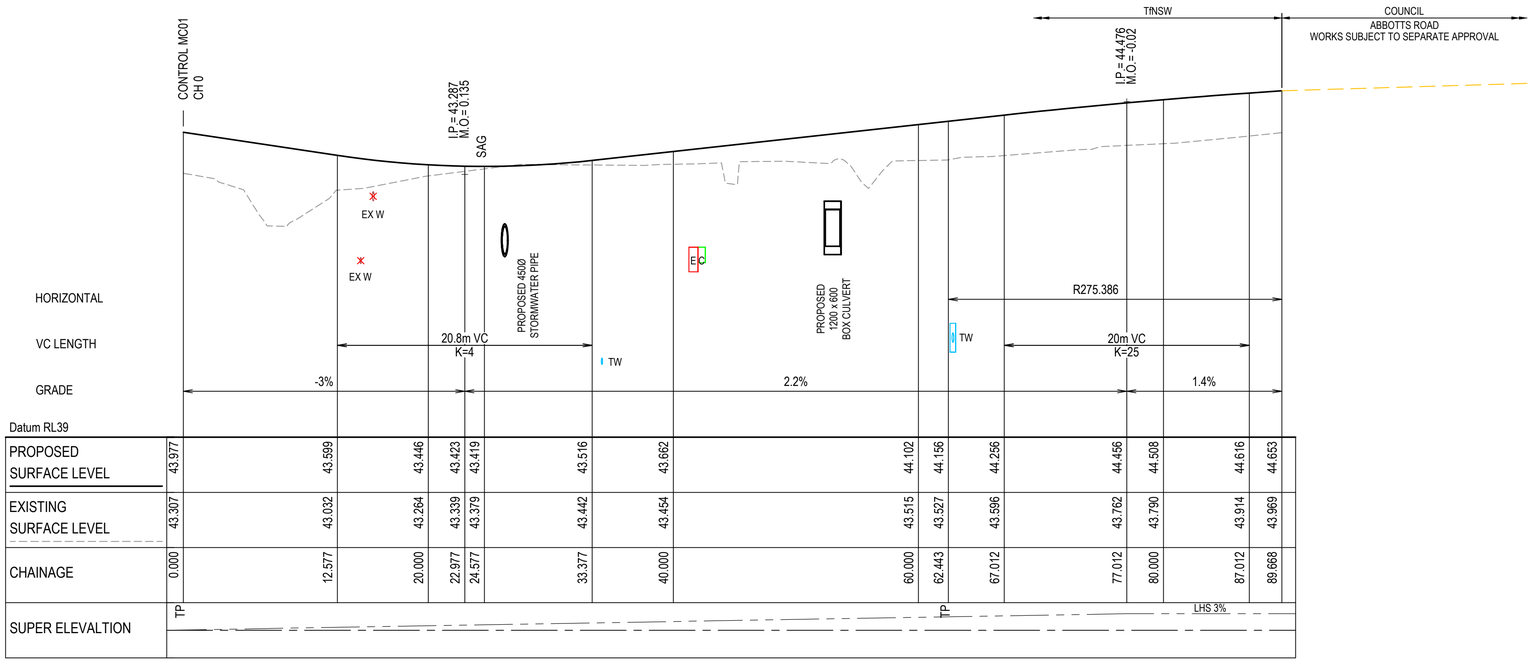
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Project - Drawing No.: RL-2133
Issue: 2

Date Plotted: 13 Apr 2024 - 03:10PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-03-RL-2133.dwg



ABBOTTS ROAD
MC03 LONGITUDINAL SECTION
SCALE 1:250 HORI.
1:50 VERT.



ABBOTTS ROAD
MC03A LONGITUDINAL SECTION
SCALE 1:250 HORI.
1:50 VERT.

0 1 2 3 4 5m
1 : 50 @ A1 1 : 100 @ A3

0 5 10 15 20 25m
1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 50 (V) @ A1, 1 : 250 (H) @ A1
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

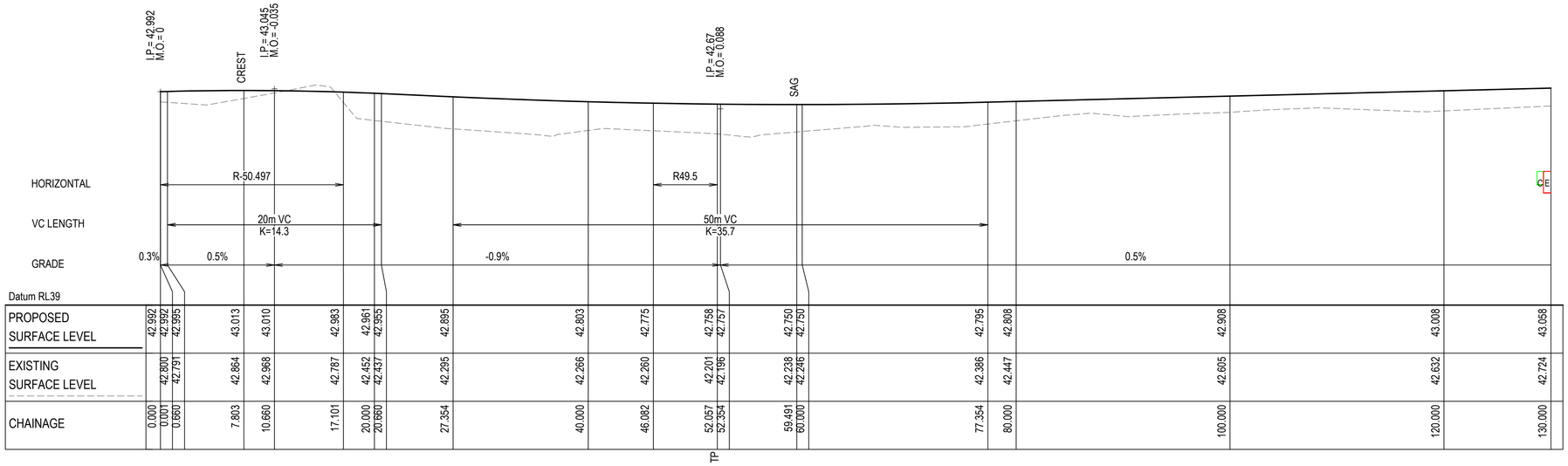
Drawn	GB
Designed	GB
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: ROAD LONGITUDINAL SECTION MC03

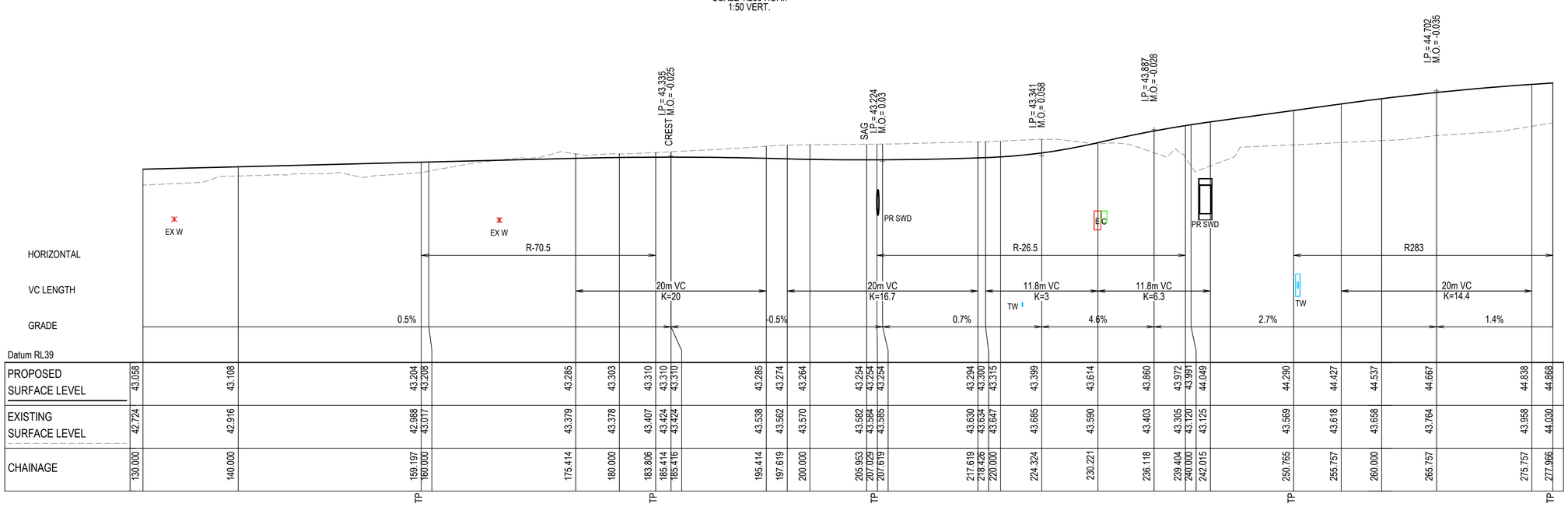
Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1
Project - Drawing No.: RL-2141
Issue: 2



MK01 LONGITUDINAL SECTION

SCALE 1:250 HORI.
1:50 VERT.



MK01 LONGITUDINAL SECTION

SCALE 1:250 HORI.
1:50 VERT.

0 1 2 3 4 5m
1 : 50 @ A1 1 : 100 @ A3

0 5 10 15 20 25m
1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales		Drawn	GB
1 : 50 (V) @ A1 1 : 250 (H) @ A1		Designed	GB
Grid	GDA2020	Checked	AL
Height Datum	AHD	Approved	

TfNSW REGISTRATION No.
DS2023/001186

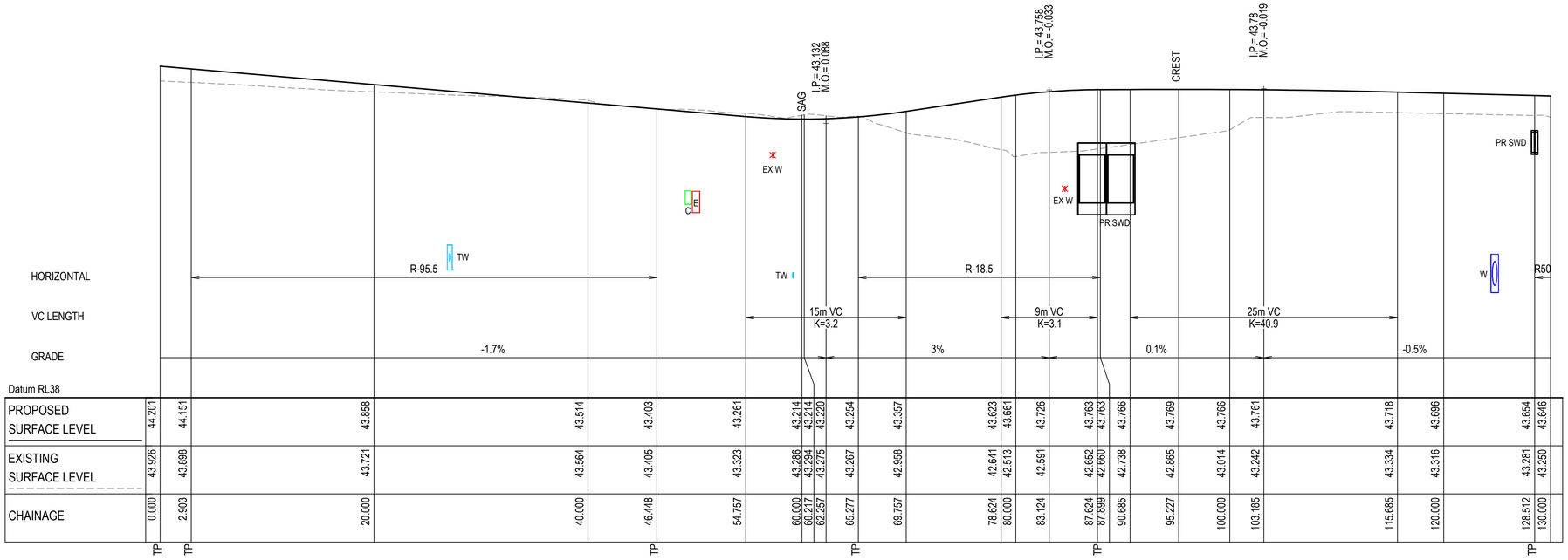
Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title
KERB LONGITUDINAL SECTION MK01

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

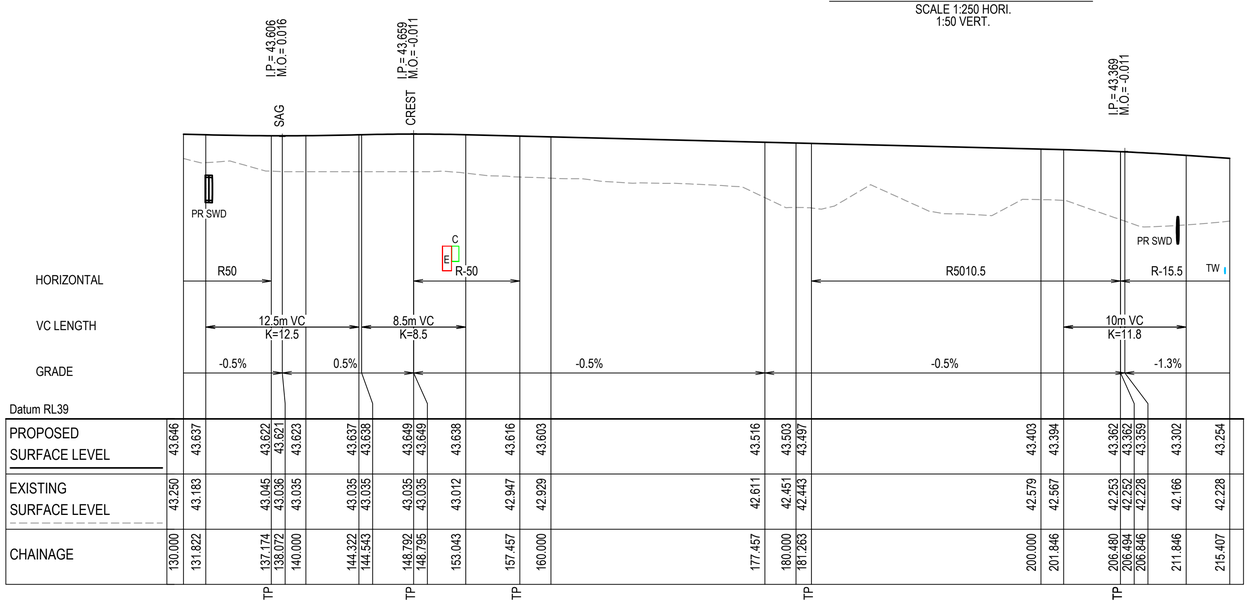
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Project - Drawing No.: RL-2151
Issue: 2



MK02 LONGITUDINAL SECTION

SCALE 1:250 HORI.
1:50 VERT.



MK02 LONGITUDINAL SECTION

SCALE 1:250 HORI.
1:50 VERT.

0 1 2 3 4 5m
1 : 50 @ A1 1 : 100 @ A3

0 5 10 15 20 25m
1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 50 (V) @ A1; 1 : 250 (H) @ A1
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	GB
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: KERB LONGITUDINAL SECTION MK02

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

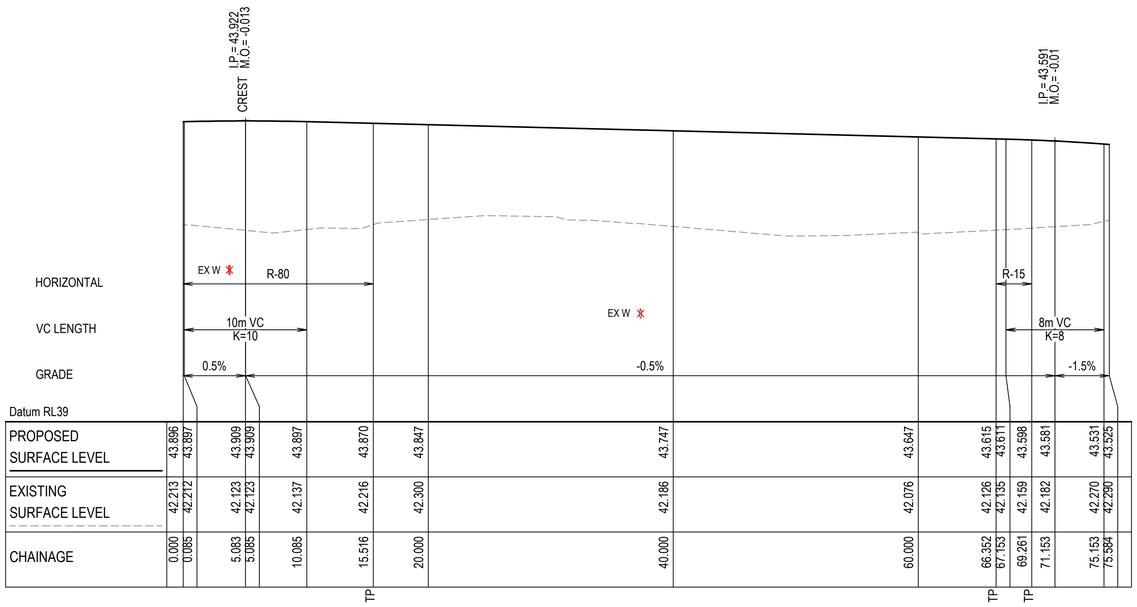
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: RL-2152

Issue: 2

Date Plotted: 13 Apr 2024 - 03:10PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-03-RL-2152.dwg



MK03 LONGITUDINAL SECTION

SCALE 1:250 HORI.
1:50 VERT.

0 1 2 3 4 5m
1 : 50 @ A1 1 : 100 @ A3

0 5 10 15 20 25m
1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 50 (V) @ A1, 1 : 250 (H) @ A1
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	GB
Checked	AL
Approved	

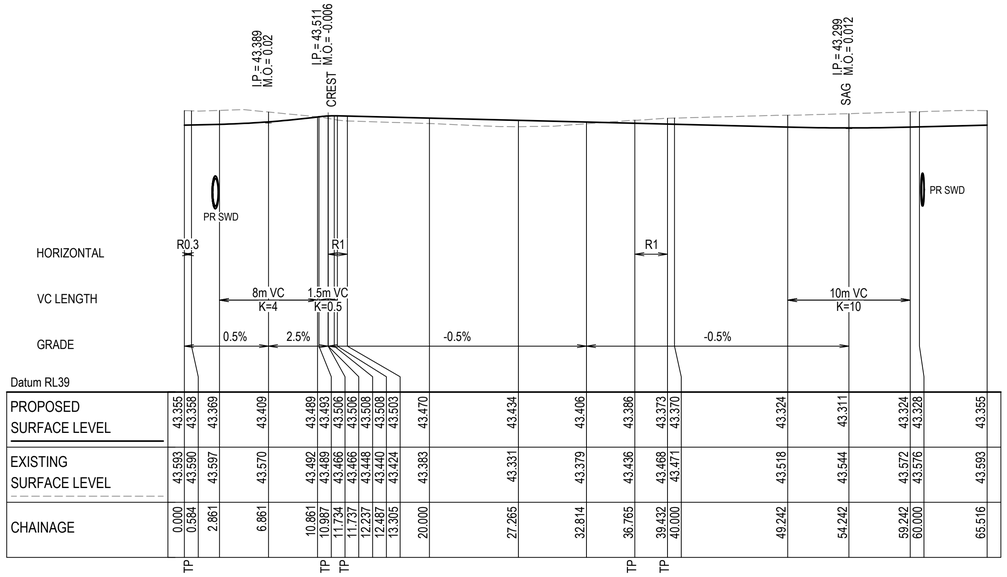
Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: KERB LONGITUDINAL SECTION MK03

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Project - Drawing No.: RL-2153
Issue: 2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M.O. = 0.02
I.P. = 43.511
M.O. = -0.006
CREST
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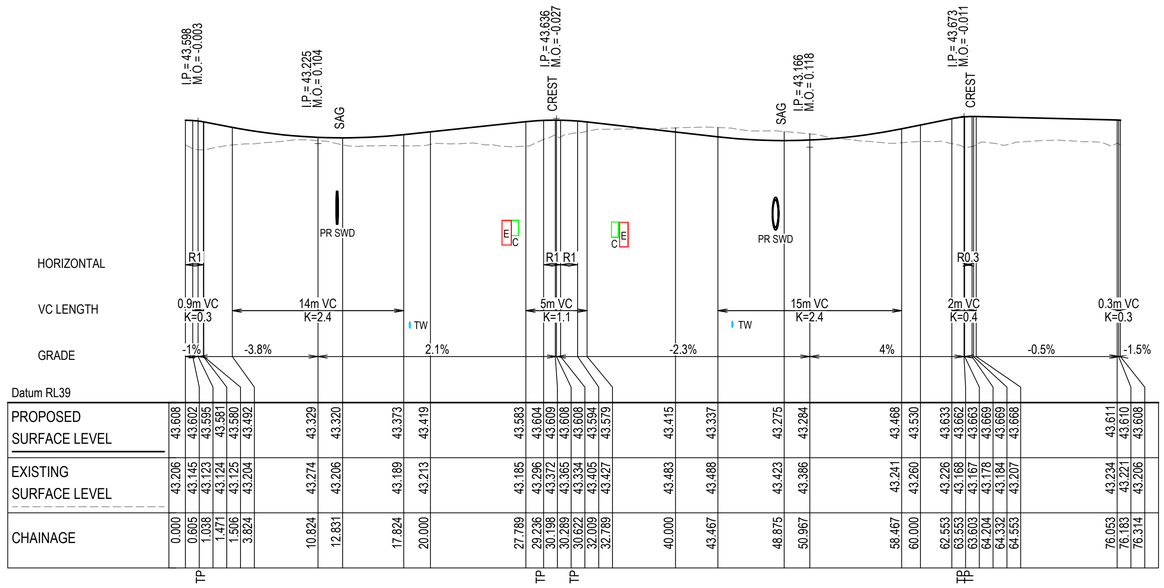
M.O. = 0.012
SAG
PR SWD
PR SWD
HORIZONTAL
R0.3
R1
R1
VC LENGTH
8m VC
K=4
1.5m VC
K=0.5
10m VC
K=10
GRADE
0.5%
2.5%
-0.5%
-0.5%

Datum RL39

| | | |



MS02 LONGITUDINAL SECTION

SCALE 1:250 HORI.
1:50 VERT.

0 1 2 3 4 5m
1 : 50 @ A1 1 : 100 @ A3

0 5 10 15 20 25m
1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 50 (V) @ A1; 1 : 250 (H) @ A1
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	GB
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

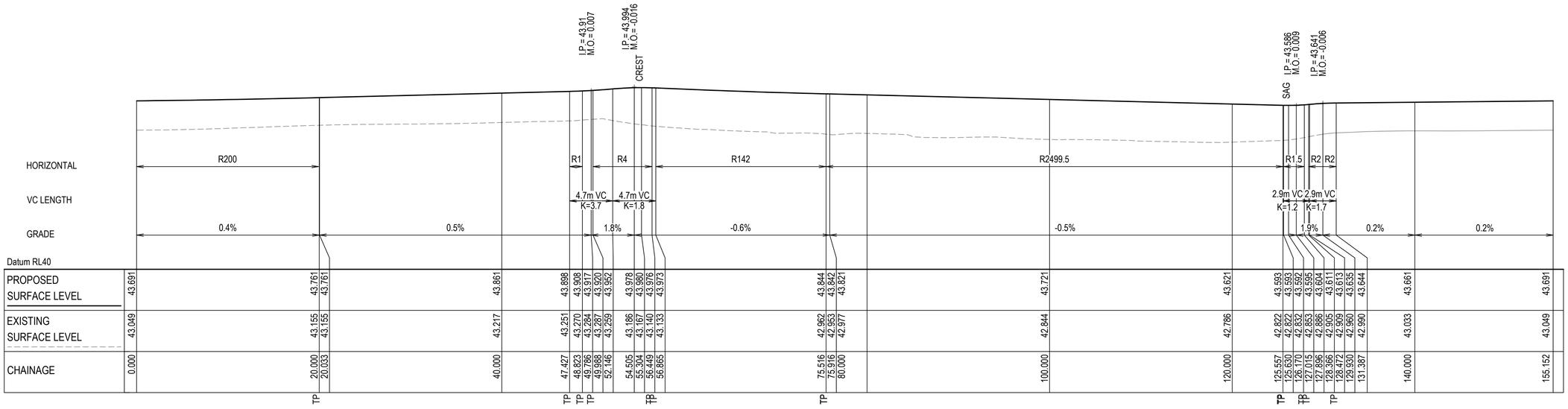
Title: KERB LONGITUDINAL SECTION MS02

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Project - Drawing No.: RL-2156
Issue: 2

Date Plotted: 13 Apr 2024 - 03:11PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-03-RL-2156.dwg



MS03 LONGITUDINAL SECTION

SCALE 1:250 HORI.
1:50 VERT.

0 1 2 3 4 5m
1 : 50 @ A1 1 : 100 @ A3

0 5 10 15 20 25m
1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 50 (V) @ A1, 1 : 250 (H) @ A1
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	GB
Checked	AL
Approved	

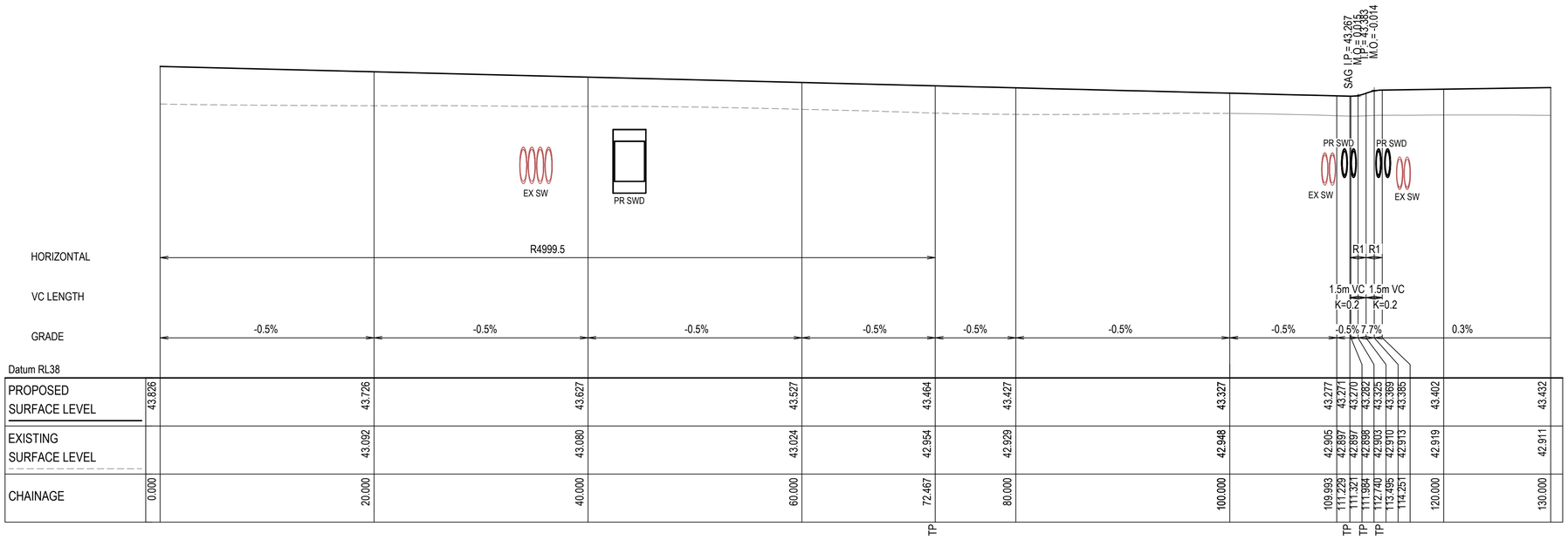
Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: KERB LONGITUDINAL SECTION MS03

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

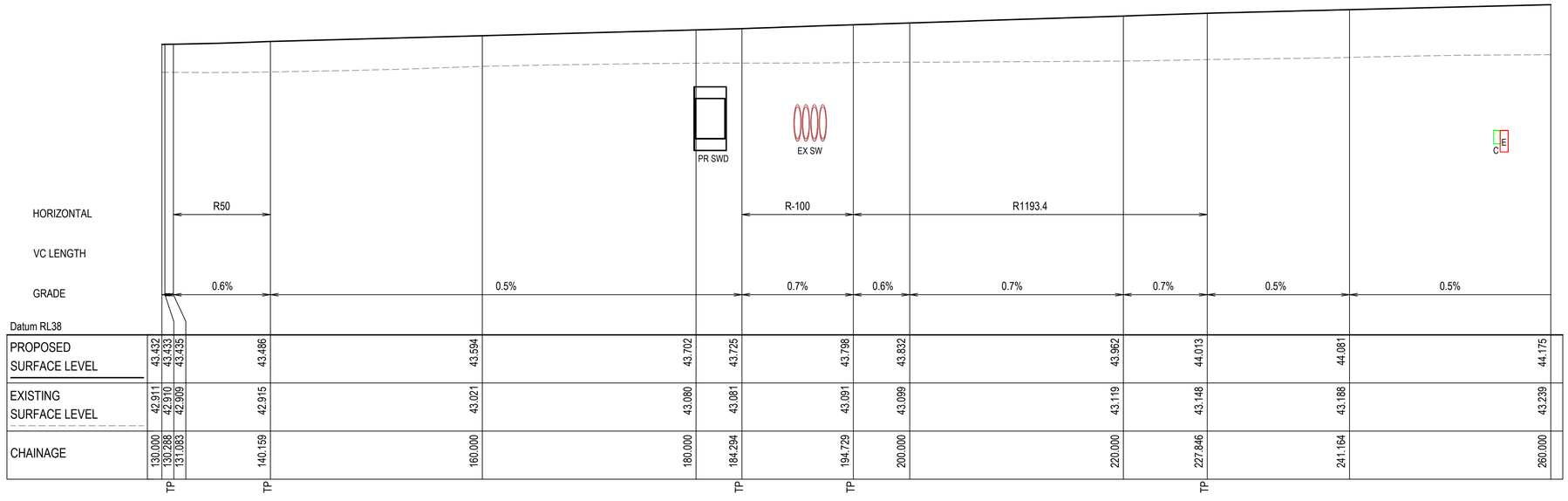
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Project - Drawing No.: RL-2157
Issue: 2



MS04 LONGITUDINAL SECTION

SCALE 1:250 HORI.
1:50 VERT.



MS04 LONGITUDINAL SECTION

SCALE 1:250 HORI.
1:50 VERT.

0 1 2 3 4 5m
1 : 50 @ A1 1 : 100 @ A3

0 5 10 15 20 25m
1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 50 (V) @ A1; 1 : 250 (H) @ A1
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	GB
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

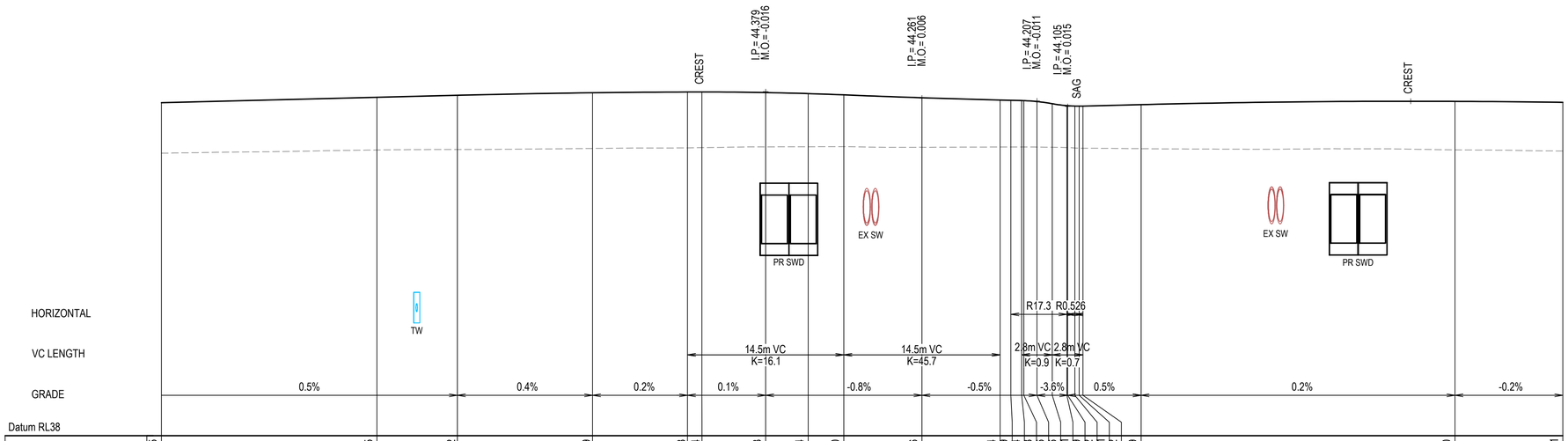
Title: KERB LONGITUDINAL SECTION MS04 SHEET 1

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Project - Drawing No.: RL-2158
Issue: 2

Date Plotted: 13 Apr 2024 - 03:11PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-03-RL-2158.dwg



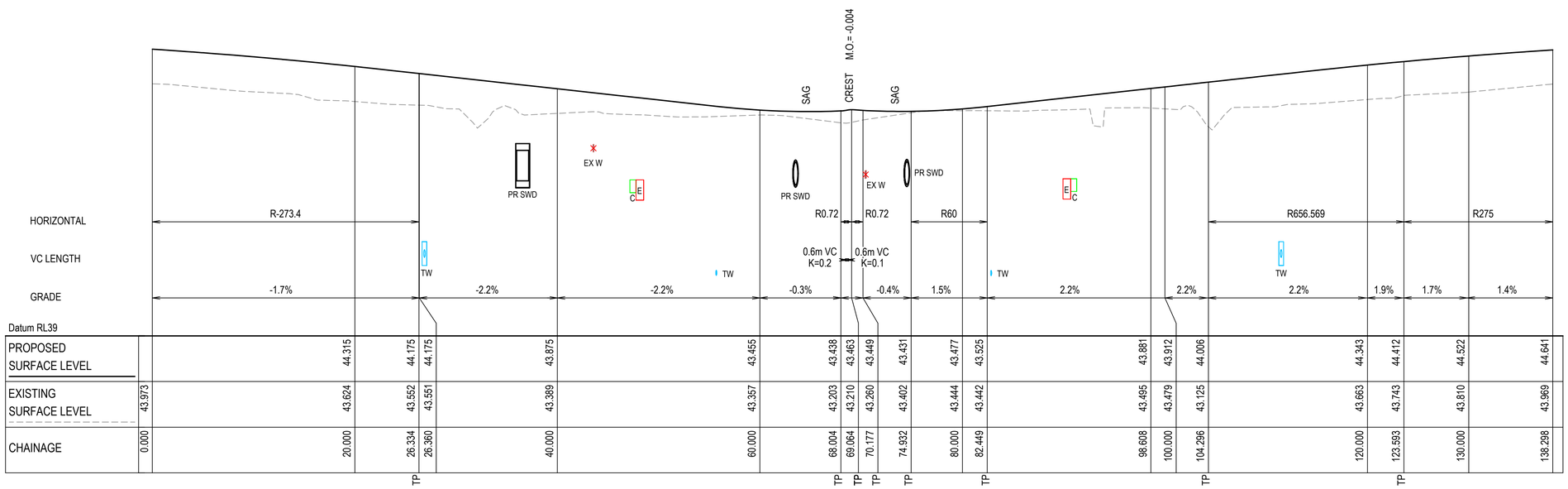
HORIZONTAL

VC LENGTH

GRADE

Datum RL38

| | | |



MS05 LONGITUDINAL SECTION

SCALE 1:250 HORI.
1:50 VERT.

0 1 2 3 4 5m
1 : 50 @ A1 1 : 100 @ A3

0 5 10 15 20 25m
1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 50 (V) @ A1
1 : 250 (H) @ A1

Grid: GDA2020

Height Datum: AHD

TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	GB
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: KERB LONGITUDINAL SECTION MS04 SHEET 2

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

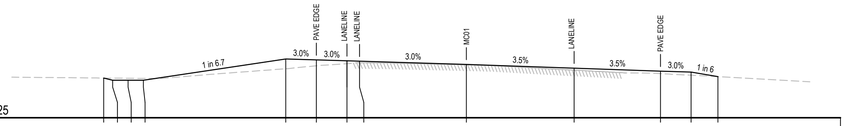
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: RL-2160

Issue: 2

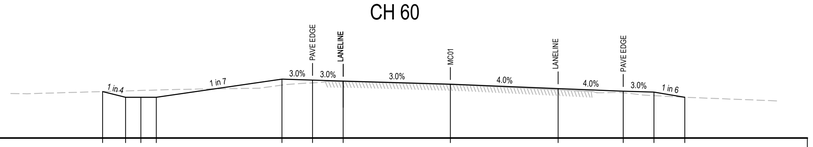
Date Plotted: 13 Apr 2024 - 03:11PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-03-RL-2160.dwg



RL42.25

43.545	43.472	43.473	43.473	44.167	44.137	44.107	44.094	43.990	43.867	43.769	43.739	43.592
43.545	43.542	43.536	43.531	43.849	43.946	44.013	44.046	43.975	43.804	43.689	43.637	43.592
-11.844	-11.551	-11.048	-10.546	-5.901	-4.901	-3.901	-3.489	0.000	3.516	6.334	7.334	8.212

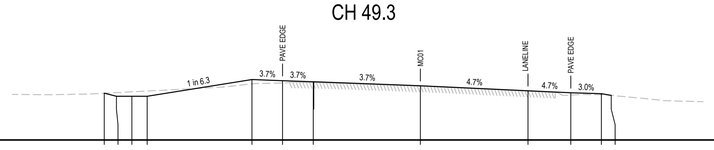
CH 60



RL42.25

43.767	43.581	43.582	43.582	44.171	44.141	44.111	44.006	43.865	43.779	43.749	43.581
43.767	43.788	43.803	43.817	43.977	44.052	44.093	43.993	43.827	43.731	43.634	43.581
-11.354	-10.607	-10.105	-9.604	-5.502	-4.502	-3.502	0.000	3.517	5.643	6.643	7.652

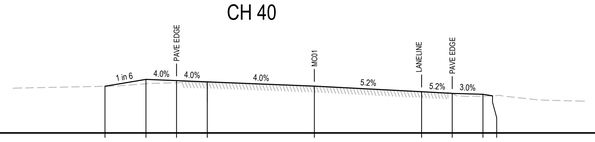
CH 49.3



RL42.25

43.776	43.676	43.676	43.677	44.222	44.185	44.148	44.020	43.854	43.789	43.759	43.705
43.776	43.796	43.822	43.847	44.081	44.107	44.127	44.010	43.846	43.715	43.724	43.705
-10.324	-9.923	-9.422	-8.921	-5.500	-4.500	-3.500	0.000	3.510	4.909	5.909	6.231

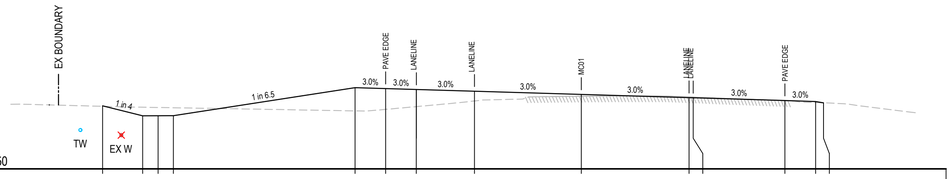
CH 40



RL42.50

PROPOSED SURFACE LEVEL	44.024	44.247	44.207	44.167	44.027	43.846	43.793	43.763	43.710
EXISTING SURFACE LEVEL	44.024	44.107	44.138	44.154	44.022	43.845	43.786	43.702	43.710
CENTRELINE OFFSET	-6.840	-5.500	-4.500	-3.500	0.000	3.500	4.500	5.500	5.816

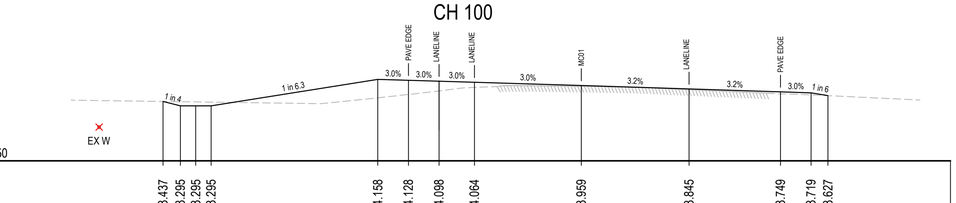
CH 35.401



RL41.50

43.560	43.234	43.234	43.234	44.150	44.120	44.090	44.033	43.929	43.823	43.819	43.729	43.699	43.656
43.542	43.513	43.504	43.495	43.393	43.442	43.533	43.716	43.870	43.849	43.843	43.723	43.663	43.656
-15.630	-14.322	-13.821	-13.319	-7.390	-6.390	-5.390	-3.489	0.000	3.516	3.653	6.647	7.647	7.906

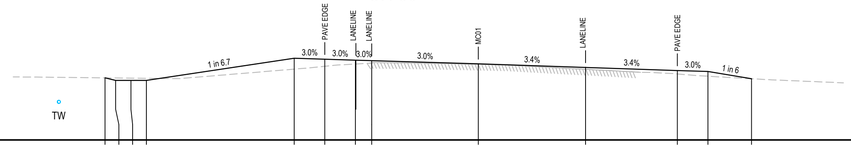
CH 100



RL41.50

43.437	43.295	43.295	43.295	44.158	44.128	44.098	44.064	43.959	43.845	43.749	43.719	43.627
43.437	43.429	43.422	43.415	43.556	43.665	43.779	43.895	43.931	43.822	43.683	43.653	43.627
-13.658	-13.090	-12.589	-12.089	-6.645	-5.645	-4.645	-3.489	0.000	3.516	6.500	7.500	8.053

CH 80



RL41.50

43.527	43.442	43.442	43.443	44.165	44.135	44.105	44.089	43.985	43.867	43.766	43.736	43.499
43.527	43.523	43.518	43.513	43.811	43.905	43.978	44.017	43.967	43.807	43.655	43.580	43.499
-12.187	-11.843	-11.341	-10.839	-6.012	-5.012	-4.012	-3.482	0.000	3.502	6.498	7.498	8.920

CH 63

0 2 4 6 8 10m

1 : 100 @ A1 1 : 200 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 100 @ A1
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	GB
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: ROAD CROSS SECTIONS MC01 SHEET 1

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

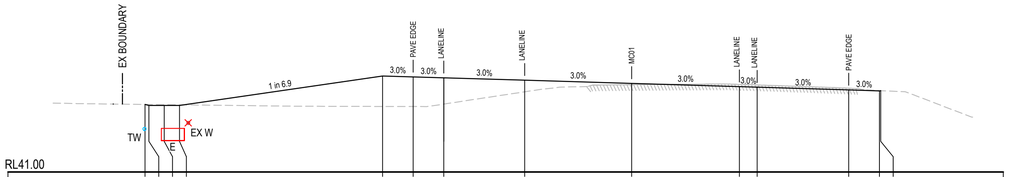
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: RC-2201

Issue: 2

Date Plotted: 13 Apr 2024 - 03:11PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-04-RC-2201.dwg



RL41.00

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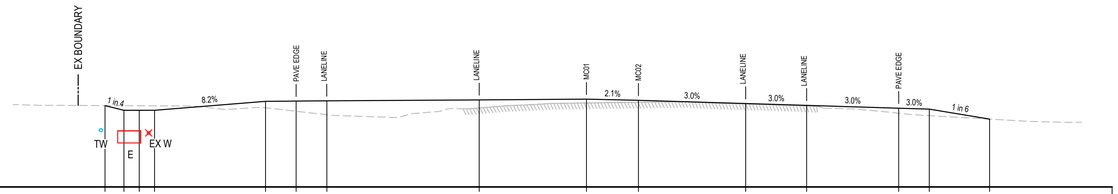
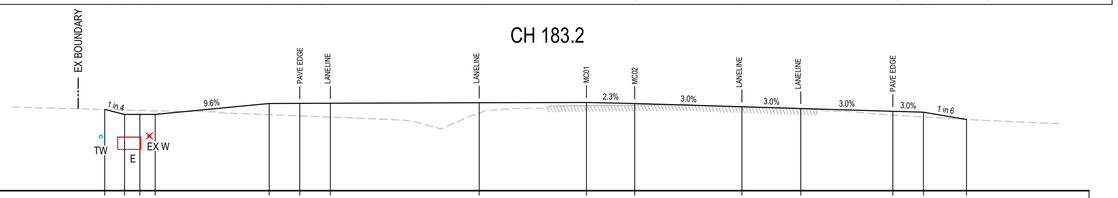


RL40.75

	43.405	43.250	43.250	43.250	43.546	43.552	43.559	43.592	43.614	43.578	43.472	43.412	43.321	43.291	42.964
	43.405	43.402	43.400	43.398	43.334	43.220	43.107	43.326	43.492	43.513	43.459	43.392	43.157	43.076	42.964
	-15.717	-15.098	-14.598	-14.098	-10.476	-9.476	-8.476	-3.500	0.000	1.697	5.200	7.190	10.195	11.195	13.163

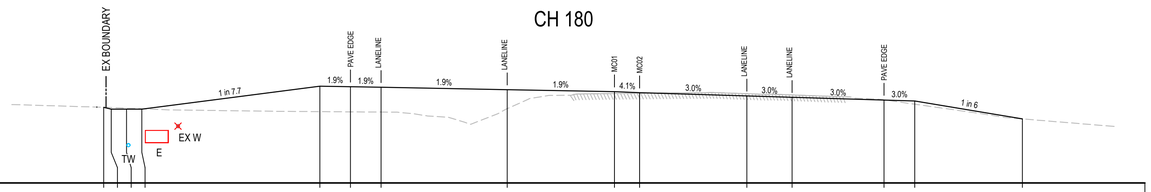
CH 183.2



RL40.75

	43.400	43.237	43.237	43.237	43.596	43.599	43.602	43.619	43.630	43.594	43.489	43.431	43.340	43.310	43.076
	43.400	43.383	43.370	43.357	43.230	43.190	43.149	43.276	43.524	43.541	43.489	43.424	43.214	43.156	43.076
	-15.727	-15.078	-14.578	-14.078	-10.357	-9.357	-8.357	-3.500	0.000	1.577	5.079	6.998	10.003	11.003	12.409

CH 180



RL40.75

PROPOSED SURFACE LEVEL	43.219	43.157	43.157	43.157	43.910	43.891	43.872	43.796	43.730	43.697	43.591	43.546	43.456	43.426	42.840
EXISTING SURFACE LEVEL	43.219	43.211	43.191	43.171	43.078	43.071	43.064	43.175	43.670	43.679	43.662	43.622	43.462	43.320	42.840
CENTRELINE OFFSET	-16.675	-16.427	-15.927	-15.427	-9.616	-8.616	-7.616	-3.500	0.000	0.822	4.324	5.799	8.805	9.805	13.318

CH 160

0 2 4 6 8 10m

1 : 100 @ A1 1 : 200 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client

FRASERS PROPERTY · ESR · Stockland · FIFECAPITAL

Scales: 1 : 100 @ A1

Grid: GDA2020

Height Datum: AHD

Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.

DS2023/001186

Project

MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title

ROAD CROSS SECTIONS
MC01
SHEET 3

Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

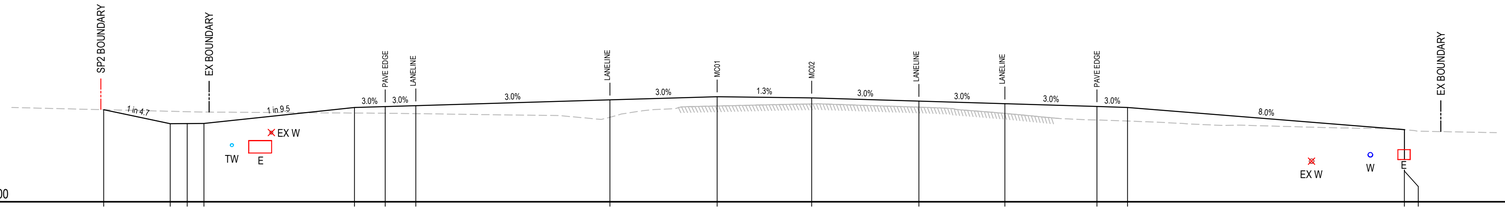
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: RC-2203

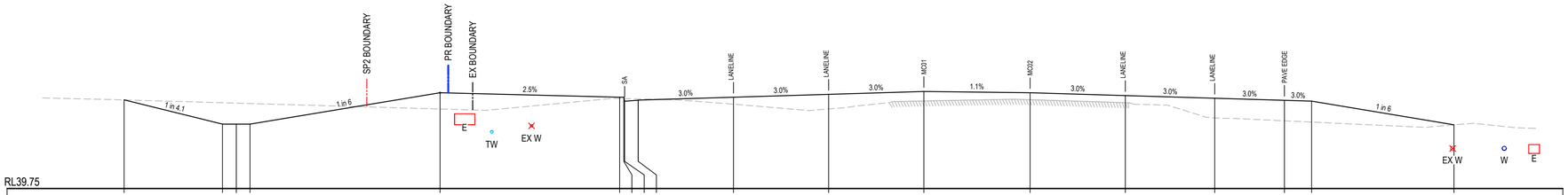
Issue: 2

Date Plotted: 13 Apr 2024 - 03:11PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-04-RC-2203.dwg


SP2 BOUNDARY
EX BOUNDARY
1 in 4.7
1 in 9.5
3.0%
PAVE EDGE
LANELINE
LANELINE
MC01
1.3%
MC02
LANELINE
LANELINE
PAVE EDGE
8.0%
EX BOUNDARY
EX W
TW
E
EX W
W
E

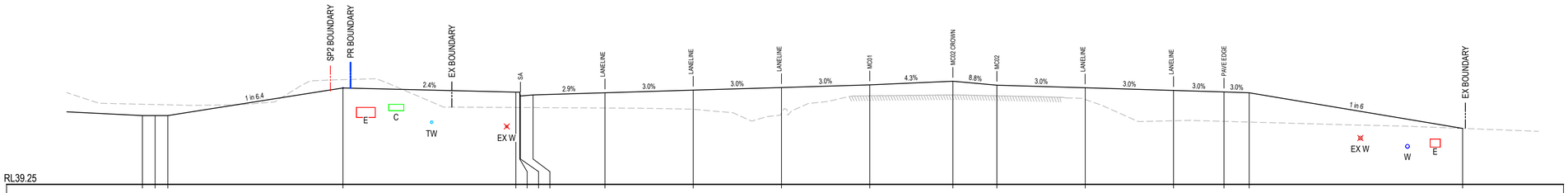
RL40.00

| | | |


SP2 BOUNDARY
PR BOUNDARY
EX BOUNDARY
SA
LANELINE
LANELINE
MC01
MC02
LANELINE
LANELINE
PAVE EDGE
1 in 4.1
1 in 6
2.5%
3.0%
3.0%
3.0%
1.1%
3.0%
3.0%
3.0%
3.0%
1 in 6
E
TW
EX W
EX W
W
E

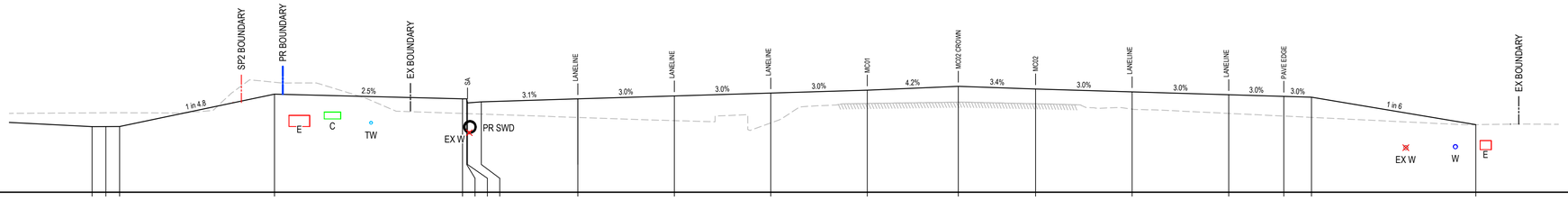
RL39.75

| | | |


SP2 BOUNDARY
PR BOUNDARY
EX BOUNDARY
SfA
LANELINE
MC01
MC02 CROWN
MC02
PAVE EDGE
1 in 6.4
2.4%
2.9%
3.0%
4.3%
8.8%
1 in 6
E
C
TW
EX W
W

RL39.25

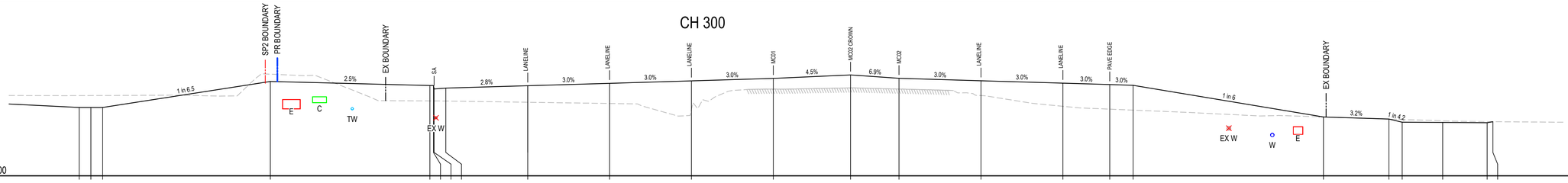
| | | |



RL39.50

41.874	41.875	41.876	43.051	42.880	42.880	42.770	42.879	42.984	43.089	43.194	43.332	43.236	43.132	43.028	42.968	42.938	41.945
42.371	42.374	42.376	43.481	42.350	42.345	42.344	42.206	42.091	42.006	42.713	42.760	42.702	42.506	42.352	42.256	42.208	41.945
-28.119	-27.619	-27.118	-21.500	-14.680	-14.530	-14.000	-10.500	-7.000	-3.500	0.000	3.300	6.104	9.606	13.109	15.110	16.110	22.070

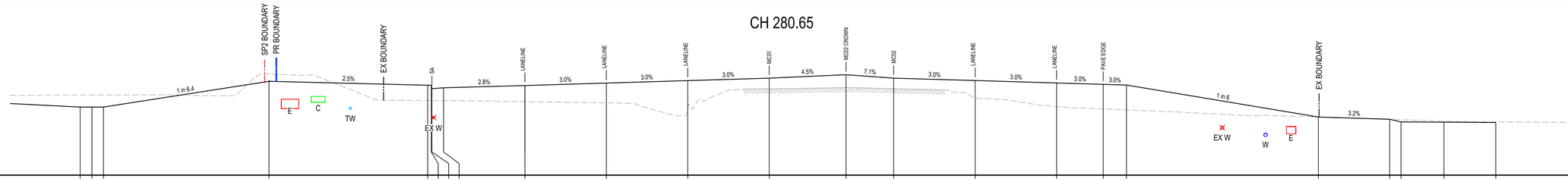
CH 300



RL39.00

41.926	41.927	41.927	43.038	42.868	42.868	42.758	42.856	42.961	43.067	43.171	43.320	43.176	43.071	42.967	42.907	42.877	41.521	41.431	41.295	41.289	41.277	41.319
42.434	42.437	42.439	43.353	42.207	42.206	42.201	42.150	42.098	41.835	42.715	42.765	42.716	42.436	41.976	41.855	41.813	41.521	41.431	41.412	41.356	41.321	41.319
-29.673	-29.171	-28.669	-21.500	-14.680	-14.530	-14.000	-10.500	-7.000	-3.500	0.000	3.300	5.374	8.876	12.379	14.380	15.380	23.514	26.314	26.882	28.614	30.513	30.759

CH 280.65



RL39.00

PROPOSED SURFACE LEVEL	41.930	41.930	41.930	43.040	42.869	42.869	42.759	42.857	42.962	43.067	43.172	43.320	43.176	43.071	42.966	42.906	42.876	41.502	41.403	41.290	41.282	41.264
EXISTING SURFACE LEVEL	42.446	42.448	42.450	43.352	42.213	42.213	42.209	42.162	42.110	41.889	42.716	42.766	42.719	42.323	41.951	41.849	41.808	41.502	41.403	41.387	41.327	41.294
CENTRELINE OFFSET	-29.612	-29.110	-28.608	-21.496	-14.676	-14.526	-13.996	-10.500	-7.000	-3.500	0.000	3.300	5.349	8.852	12.354	14.356	15.356	23.602	26.666	27.152	28.997	31.226

CH 280

0 2 4 6 8 10m

1 : 100 @ A1 1 : 200 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client

FRASERS PROPERTY · ESR · Stockland · FIFECAPITAL

Scales	1 : 100 @ A1	Drawn	GB
		Designed	GB
Grid	GDA2020	Checked	AL
Height Datum	AHD	Approved	

TfNSW REGISTRATION No.

DS2023/001186

Project

MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title

ROAD CROSS SECTIONS MC01 SHEET 7

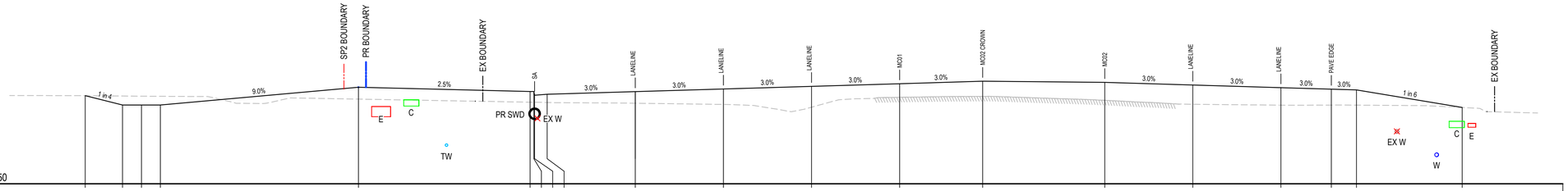
Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

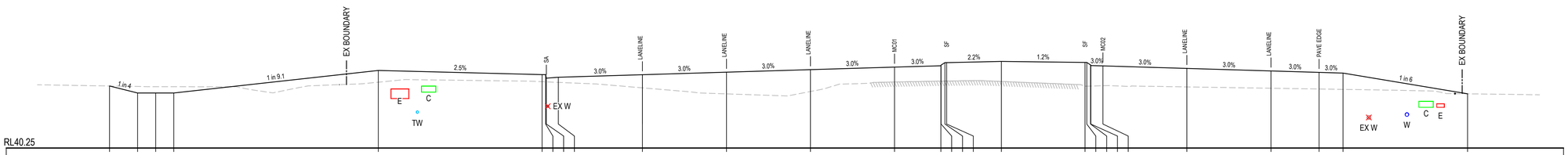
Status	
FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No. RC-2207	Issue 2

Date Plotted: 13 Apr 2024 - 03:12PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-04-RC-2207.dwg


SP2 BOUNDARY
PR BOUNDARY
EX BOUNDARY
SA
LANELINE
LANELINE
LANELINE
MC01
MC02 CROWN
MC02
LANELINE
LANELINE
PAVE EDGE
EX BOUNDARY
1 in 4
9.0%
2.5%
3.0%
1 in 6
E
C
TW
PR SWD
EX W
EX W
C
E
W

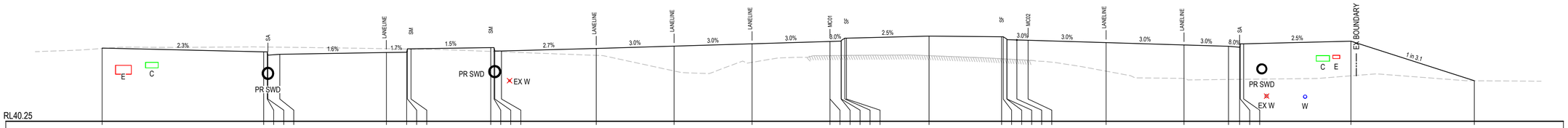
RL39.50

| | | |


EX BOUNDARY
1 in 4
1 in 9.1
2.5%
SA
3.0%
LANELINE
MC01
SF
2.2%
1.2%
MC02
PAVE EDGE
1 in 6
E
C
TW
EX W
W

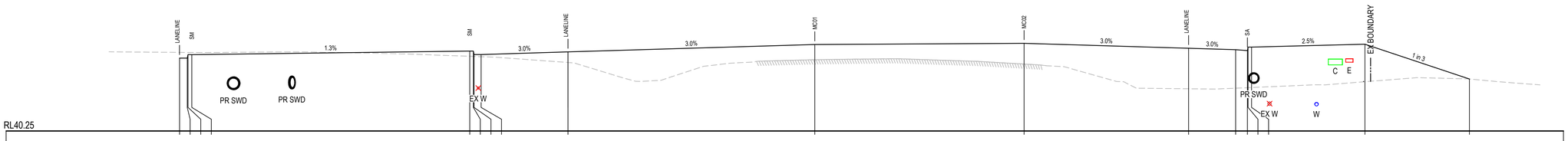
RL40.25

| | | |


LANELINE
SM
SA
MC01
SF
MC02
PAVE EDGE
EX BOUNDARY
2.3%
1.6%
1.7%
1.5%
2.7%
3.0%
2.5%
1.1%
2.2%
8.0%
1 in 3.1
1 in 9.6
1 in 4
1 in 6
E
C
PR SWD
EX W
W
TW

RL40.25

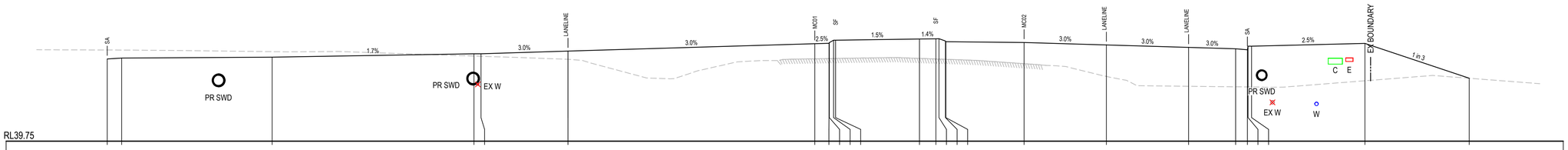
| | | |



RL40.25

	43.352	43.352	43.502	43.502	43.653	43.653	43.503	43.503	43.616	43.931	43.983	43.773	43.713	43.673	43.823	43.823	43.943	42.461
	43.597	43.594	43.594	43.592	43.430	43.425	43.424	43.413	43.167	43.285	43.101	42.046	42.071	42.093	42.094	42.100	42.347	42.462
	-27.024	-26.696	-26.664	-26.502	-14.679	-14.529	-14.499	-14.199	-10.500	0.000	8.900	15.900	17.900	18.400	18.430	18.580	23.400	27.846

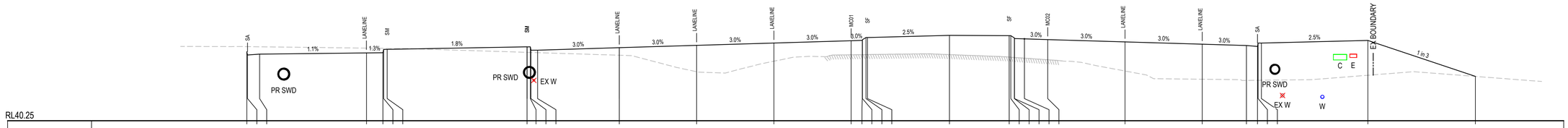
CH 449.161



RL39.75

	43.236	43.274	43.312	43.458	43.458	43.570	43.885	43.901	43.931	44.031	44.032	44.084	44.094	44.095	43.998	43.968	43.937	43.832	43.727	43.667	43.627	43.777	43.777	43.898	42.418
	43.617	43.615	43.548	43.361	43.351	43.223	43.244	43.255	43.255	43.258	43.259	43.263	43.237	43.232	43.223	43.222	43.038	42.496	42.079	42.057	42.051	42.051	42.049	42.312	42.418
	-30.103	-29.487	-23.088	-14.500	-14.200	-10.500	0.000	0.604	0.615	0.798	0.883	4.450	5.150	5.280	5.558	5.575	8.900	12.400	15.900	17.900	18.400	18.430	18.580	23.400	27.837

CH 440



RL40.25

PROPOSED SURFACE LEVEL	43.366	43.216	43.256	43.311	43.321	43.471	43.471	43.584	43.584	43.434	43.434	43.546	43.651	43.756	43.861	43.876	43.906	44.006	44.006	44.100	44.088	44.088	43.988	43.958	43.945	43.913	43.808	43.703	43.643	43.603	43.753	43.753	43.874	42.251
EXISTING SURFACE LEVEL	43.594	43.594	43.587	43.528	43.519	43.519	43.517	43.337	43.332	43.331	43.322	43.207	42.462	42.937	43.225	43.233	43.233	43.235	43.236	43.235	43.124	43.119	43.107	43.106	43.075	43.002	42.494	42.124	42.069	42.075	42.075	42.077	42.302	42.251
CENTRELINE OFFSET	-27.369	-27.336	-26.790	-21.949	-21.206	-21.173	-21.012	-14.680	-14.530	-14.500	-14.200	-10.500	-7.000	-3.500	0.000	0.500	0.510	0.670	0.740	4.450	7.158	7.229	7.390	7.400	7.845	8.900	12.400	15.900	17.900	18.400	18.430	18.580	23.400	28.268

CH 435.219

0 2 4 6 8 10m

1 : 100 @ A1 1 : 200 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	1 : 100 @ A1	Drawn	GB
		Designed	GB
Grid	GDA2020	Checked	AL
Height Datum	AHD	Approved	

TfNSW REGISTRATION No.

DS2023/001186

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: ROAD CROSS SECTIONS MC01 SHEET 11

Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: RC-2211

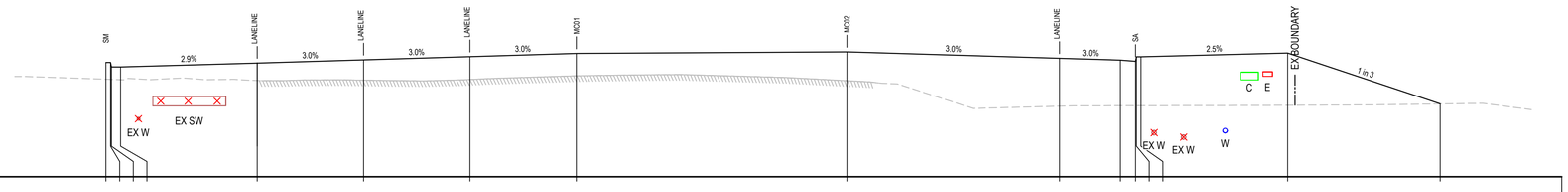
Issue: 2

Date Plotted: 13 Apr 2024 - 03:12PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-04-RC-2211.dwg

RL39.00

43.301	43.283	43.432	43.430	43.641	43.642	43.771	43.876	43.981	44.086	44.137	43.927	43.867	43.827	44.098	42.335
43.449	43.432	43.432	43.433	43.276	43.273	43.225	43.188	43.190	43.321	43.178	42.206	42.244	42.245	42.262	42.335
-32.489	-30.387	-30.303	-29.887	-14.873	-14.572	-10.500	-7.000	-3.500	0.000	8.900	15.900	17.900	18.400	23.400	28.688

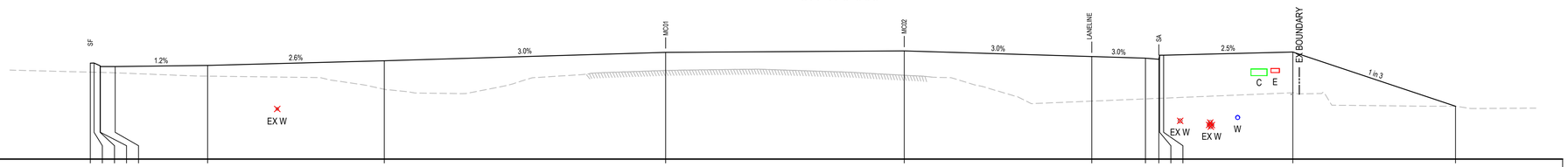
CH 480



RL40.00

43.757	43.758	43.608	43.608	43.738	43.843	43.948	44.053	44.105	43.895	43.835	43.795	43.945	43.945	44.065	42.393
43.207	43.202	43.201	43.191	43.164	43.176	43.197	43.317	43.157	42.319	42.334	42.335	42.335	42.336	42.348	42.393
-15.476	-15.325	-15.295	-14.993	-10.500	-7.000	-3.500	0.000	8.900	15.900	17.900	18.400	18.430	18.580	23.400	28.417

CH 473.553



RL40.00

PROPOSED SURFACE LEVEL	43.581	43.584	43.486	43.456	43.455	43.496	43.670	43.985	44.037	43.827	43.767	43.727	43.877	43.877	43.988	41.974
EXISTING SURFACE LEVEL	43.246	43.243	43.237	43.237	43.220	43.097	42.604	43.309	43.130	42.164	42.247	42.268	42.269	42.275	42.476	41.973
CENTRELINE OFFSET	-21.468	-21.330	-21.103	-21.090	-20.541	-17.092	-10.500	0.000	8.900	15.900	17.900	18.400	18.430	18.580	23.400	29.470

CH 460

0 2 4 6 8 10m

1 : 100 @ A1 1 : 200 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 100 @ A1

Grid: GDA2020

Height Datum: AHD

Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.: DS2023/001186

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: ROAD CROSS SECTIONS MC01 SHEET 12

Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

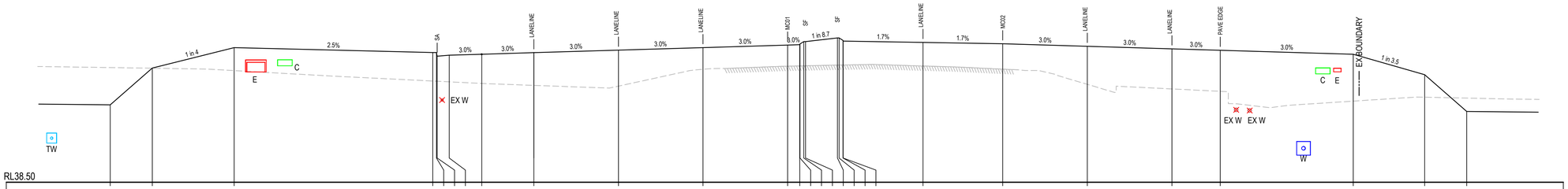
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: RC-2212

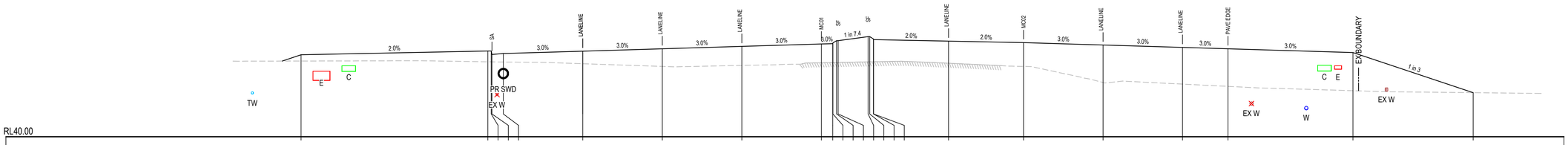
Issue: 2

Date Plotted: 13 Apr 2024 - 03:12PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-04-RC-2212.dwg


1 in 4
2.5%
SA
3.0%
3.0%
LANELINE
3.0%
LANELINE
3.0%
LANELINE
3.0%
MC01
8.0%
SF
SF
1 in 8.7
1.7%
LANELINE
1.7%
MC02
3.0%
LANELINE
3.0%
LANELINE
3.0%
PAVE EDGE
3.0%
EX BOUNDARY
1 in 3.5
E
C
EX W
TW
C E
EX W EX W
W

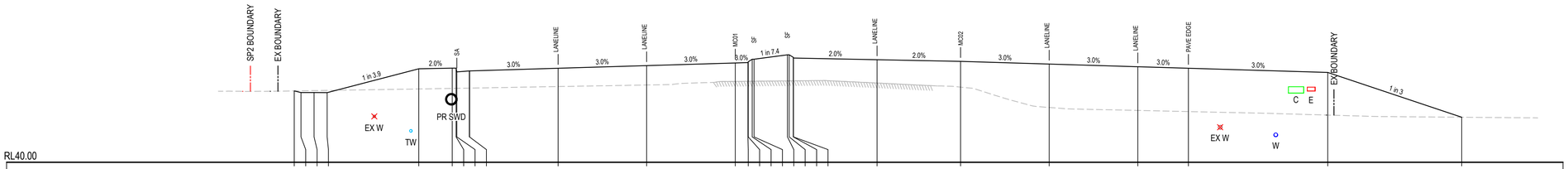
RL38.50

| | | |


SA
LANELINE
LANELINE
LANELINE
MC01
SF
SF
LANELINE
MC02
LANELINE
LANELINE
PAVE EDGE
EX BOUNDARY
2.0%
3.0%
3.0%
3.0%
8.0%
1 in 7.4
2.0%
2.0%
3.0%
3.0%
3.0%
3.0%
1 in 3
TW
E
C
PR SWD
EX W
C
E
EX W
W

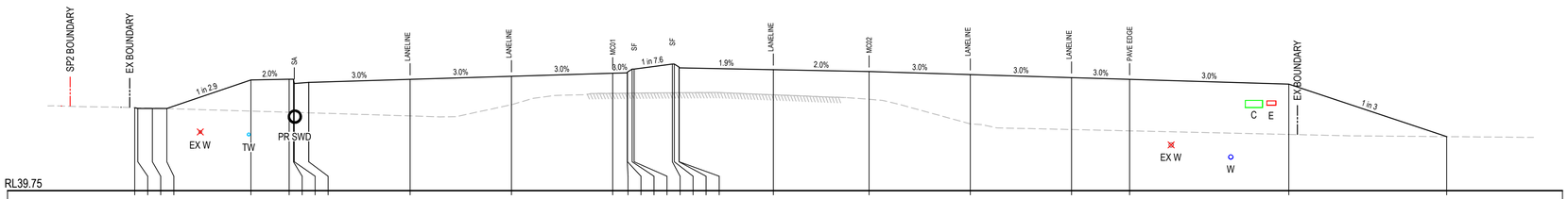
RL40.00

| | | |


SP2 BOUNDARY
EX BOUNDARY
1 in 3.9
2.0%
SA
3.0%
LANELINE
LANELINE
3.0%
MC01
6.0%
SS
1 in 7.4
SF
LANELINE
2.0%
2.0%
MC02
3.0%
LANELINE
3.0%
LANELINE
3.0%
PAVE EDGE
3.0%
EX BOUNDARY
1 in 3
C
E
EX W
TW
PR SWD
EX W
W

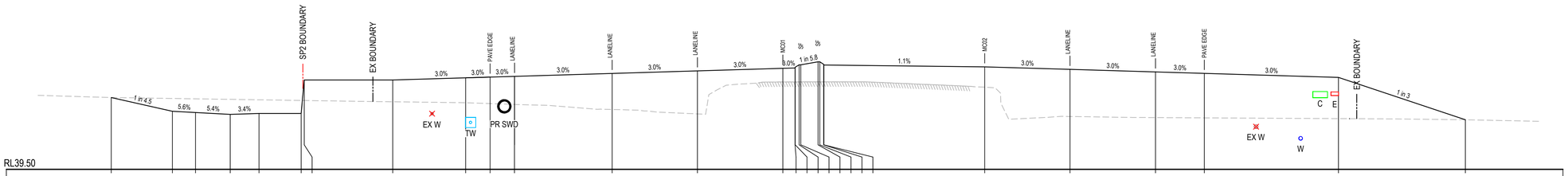
RL40.00

| | | |


SP2 BOUNDARY
EX BOUNDARY
1 in 2.9
2.0%
SA
3.0%
LANELINE
LANELINE
3.0%
3.0%
MC01
8.0%
SF
1 in 7.6
SF
1.9%
LANELINE
2.0%
MC02
3.0%
LANELINE
3.0%
LANELINE
3.0%
PAVE EDGE
3.0%
EX BOUNDARY
1 in 3
C
E
EX W
TW
PR SWD
EX W
W

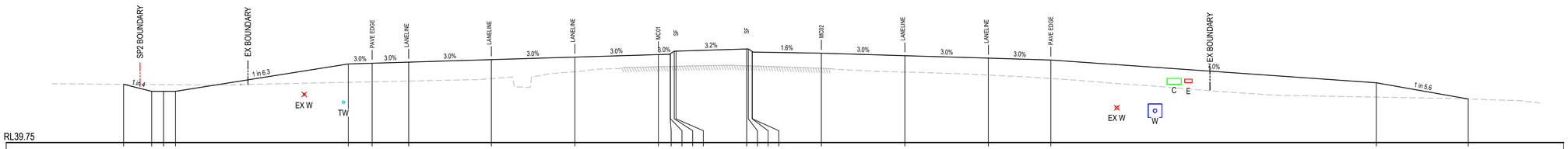
RL39.75

| | | |

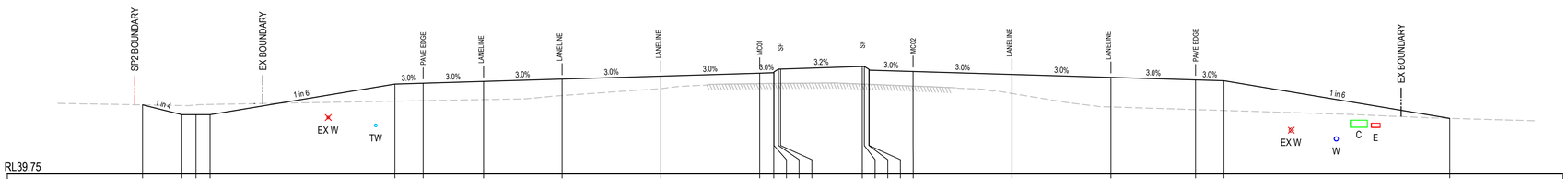

SP2 BOUNDARY
EX BOUNDARY
PAVE EDGE
LANELINE
MC01
SF
SA
1 in 4.5
5.6%
5.4%
3.4%
3.0%
1 in 5.8
1.1%
MC02
1 in 3
EX W
TW
PR SWD
C
E
W

RL39.50

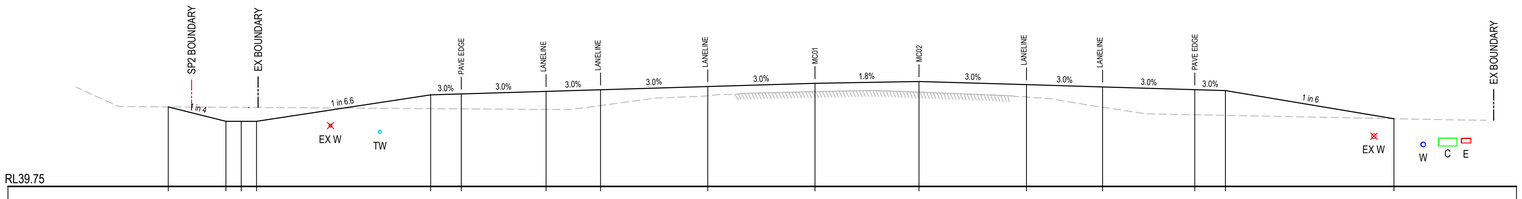
| | | |


SP2 BOUNDARY
EX BOUNDARY
1 in 6.3
1 in 4
PAVE EDGE
LANELINE
MC01
SF
3.0%
3.2%
1.6%
MC02
EX W
TW
C
E
W
1 in 5.6
EX BOUNDARY

| | | |


SP2 BOUNDARY
EX BOUNDARY
1 in 4
1 in 6
EX W
TW
3.0%
PAVE EDGE
LANELINE
MCD1
SF
3.2%
MCD2
EX W
W
C
E

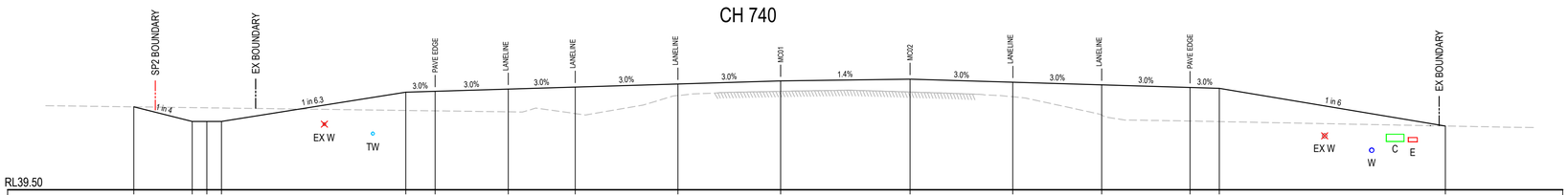
| | | |



RL39.75

	42.345	41.875	41.875	41.875	42.737	42.767	42.850	42.903	43.008	43.113	43.173	43.069	42.995	42.906	42.876	41.959
	42.345	42.332	42.329	42.325	42.286	42.280	42.261	42.389	42.708	42.842	42.825	42.672	42.330	42.087	42.067	41.959
	-21.117	-19.234	-18.733	-18.233	-12.548	-11.548	-8.781	-7.000	-3.500	0.000	3.397	6.904	9.391	12.400	13.400	18.901

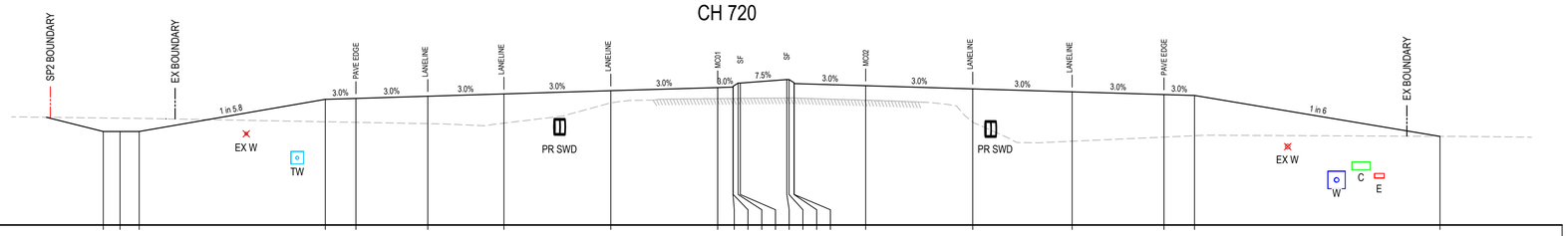
CH 740



RL39.50

	42.329	41.832	41.832	41.832	42.830	42.860	42.934	43.003	43.108	43.213	43.273	43.169	43.079	42.990	42.960	41.676
	42.329	42.303	42.296	42.289	42.206	42.193	42.160	42.100	42.716	42.859	42.836	42.675	42.047	41.845	41.825	41.676
	-22.048	-20.058	-19.558	-19.057	-12.777	-11.777	-9.282	-7.000	-3.500	0.000	4.410	7.914	10.944	13.953	14.953	22.657

CH 720



RL38.75

PROPOSED SURFACE LEVEL	41.815	41.815	41.814	42.870	42.900	42.971	43.046	43.151	43.256	43.271	43.316	43.212	43.116	43.026	42.996	41.656
EXISTING SURFACE LEVEL	42.258	42.251	42.244	42.133	42.115	42.072	42.090	42.752	42.893	42.897	42.841	42.124	41.495	41.632	41.677	41.656
CENTRELINE OFFSET	-20.125	-19.574	-18.948	-12.850	-11.850	-9.496	-7.000	-3.500	0.000	0.500	4.849	8.354	11.607	14.616	15.616	23.658

CH 711.45

0 2 4 6 8 10m

1 : 100 @ A1 1 : 200 @ A3

Issue	Description	Date
1	ISSUED FOR 100% DESIGN	15-04-24

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	1 : 100 @ A1	Drawn	GB
		Designed	GB
Grid	GDA2020	Checked	AL
Height Datum	AHD	Approved	

TfNSW REGISTRATION No.

DS2023/001186

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: ROAD CROSS SECTIONS MC01 SHEET 20

Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

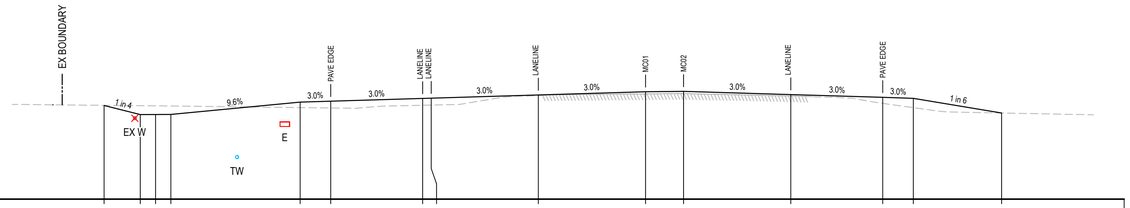
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

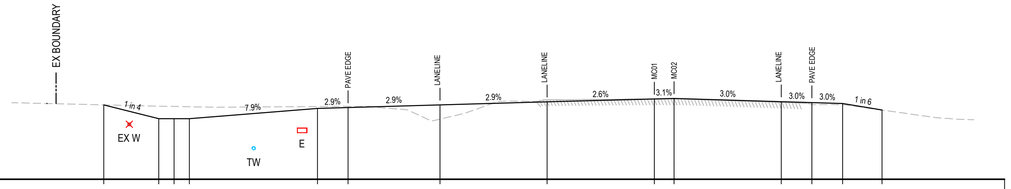
Project - Drawing No.: RC-2220

Issue: 1

Date Plotted: 13 Apr 2024 - 03:13PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-04-RC-2220.dwg


EX BOUNDARY
1 in 4
9.6%
3.0%
PAVE EDGE
LANELINE
LANELINE
MC01
MC02
1 in 6
EX W
E
TW

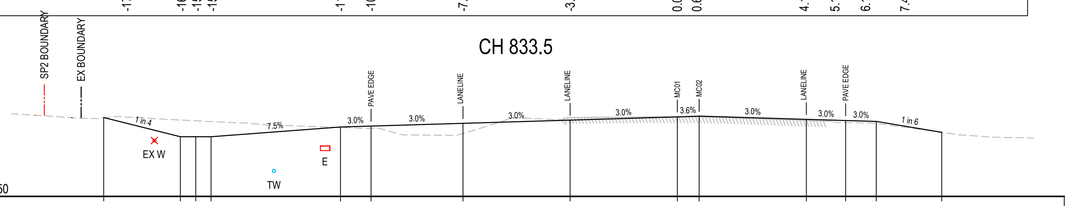
| | | |



RL40.50

	42.928	42.480	42.480	42.480	42.812	42.841	42.928	43.029	43.120	43.140	43.035	43.005	42.975	42.760
	42.928	42.887	42.877	42.868	42.874	42.881	42.464	43.093	43.120	43.122	43.011	42.946	42.932	42.760
	-17.977	-16.182	-15.682	-15.182	-11.000	-10.000	-7.000	-3.500	0.000	0.644	4.144	5.144	6.144	7.432

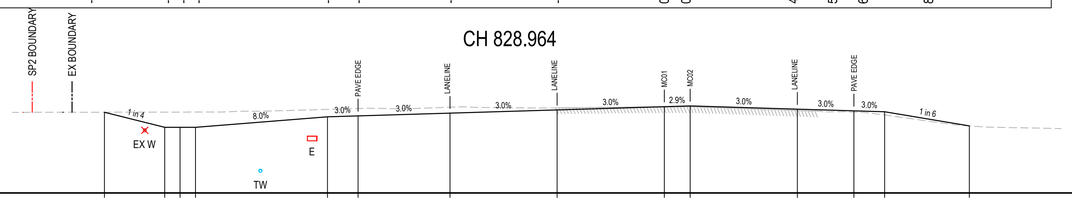
CH 833.5



RL40.50

	43.077	42.451	42.451	42.451	42.768	42.798	42.888	42.993	43.098	43.123	43.018	42.979	42.949	42.593
	43.063	42.994	42.969	42.945	42.751	42.721	42.554	43.074	43.098	43.098	42.980	42.908	42.884	42.593
	-18.730	-16.225	-15.725	-15.225	-11.000	-10.000	-7.000	-3.500	0.000	0.710	4.210	5.495	6.495	8.632

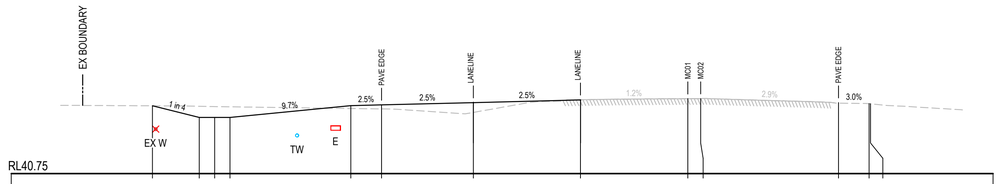
CH 828.964



RL40.25

PROPOSED SURFACE LEVEL	42.885	42.393	42.393	42.393	42.736	42.766	42.856	42.961	43.066	43.090	42.985	42.929	42.899	42.439
EXISTING SURFACE LEVEL	42.885	42.888	42.889	42.890	42.977	43.005	43.047	43.025	43.058	43.063	42.943	42.885	42.796	42.439
CENTRELINE OFFSET	-18.281	-16.310	-15.810	-15.310	-11.000	-10.000	-7.000	-3.500	0.000	0.842	4.343	6.191	7.191	9.954

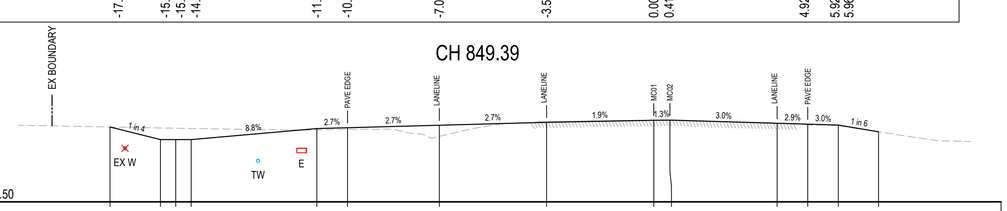
CH 820



RL40.75

	42.963	42.582	42.583	42.583	42.966	42.991	43.066	43.154		
	42.963	42.947	42.936	42.929	42.875	42.861	42.747	43.160	43.196	43.198	43.047	43.035	43.030
	-17.478	-15.949	-15.448	-14.947	-11.000	-10.000	-7.000	-3.502	0.000	0.419	4.920	5.920	5.967

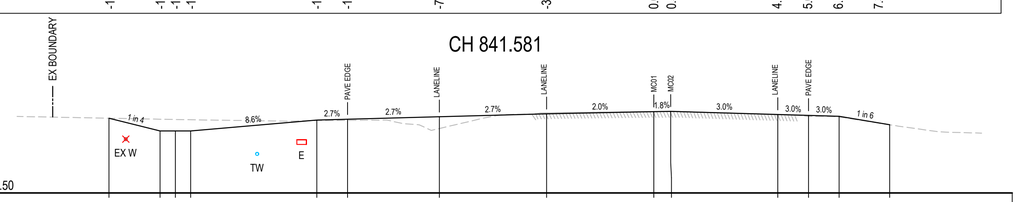
CH 849.39



RL40.50

	42.944	42.532	42.532	42.532	42.894	42.921	43.002	43.096	43.162	43.169	43.066	43.037	43.007	42.788
	42.944	42.912	42.902	42.895	42.848	42.867	42.637	43.116	43.162	43.167	43.065	43.003	42.988	42.788
	-17.752	-16.105	-15.605	-15.105	-11.000	-10.000	-7.000	-3.500	0.000	0.527	4.027	5.027	6.027	7.337

CH 841.581



RL40.50

	42.939	42.522	42.522	42.522	42.878	42.905	42.987	43.083	43.154	43.164	43.060	43.030	43.000	42.725
	42.939	42.907	42.897	42.889	42.863	42.869	42.603	43.111	43.154	43.157	43.054	42.996	42.982	42.725
	-17.790	-16.120	-15.620	-15.120	-11.000	-10.000	-7.000	-3.500	0.000	0.550	4.050	5.050	6.050	7.702

CH 840

0 2 4 6 8 10m

1 : 100 @ A1 1 : 200 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR INFORMATION	14-03-24

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 100 @ A1
Grid: GDA2020
Height Datum: AHD

Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title
ROAD CROSS SECTIONS
MC01
SHEET 22

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

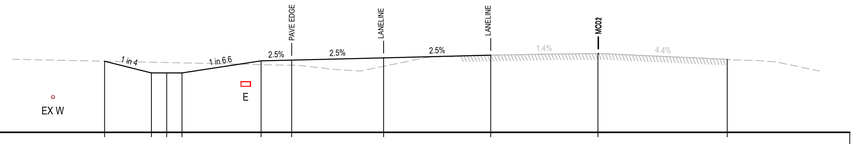
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: RC-2222

Issue: 2

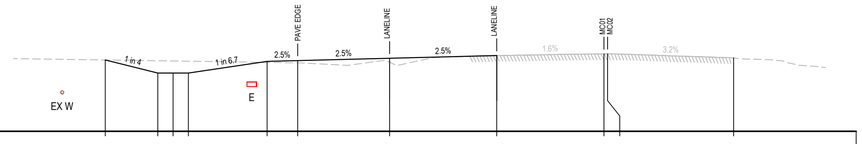
Date Plotted: 13 Apr 2024 - 03:13PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-04-RC-2222.dwg



RL40.75

	43.071	42.690	42.690	42.690	43.081	43.106	43.181	43.268
	43.071	43.039	43.028	43.017	42.959	42.942	42.905	43.268	43.319	43.133
	-16.108	-14.583	-14.083	-13.583	-10.999	-9.999	-7.000	-3.501	0.000	4.219

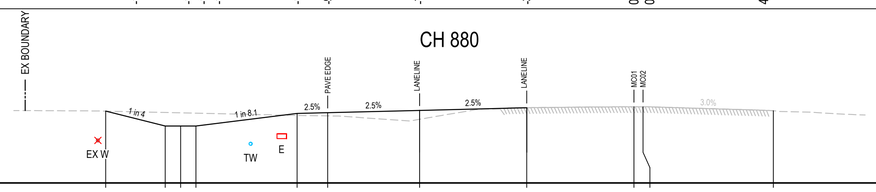
CH 900



RL40.75

	43.078	42.650	42.650	42.650	43.034	43.059	43.134	43.221
	43.078	43.053	43.046	43.038	43.000	42.985	43.004	43.221	43.277	43.278	43.146
	-16.281	-14.568	-14.068	-13.568	-10.999	-9.999	-7.000	-3.502	0.000	0.117	4.234

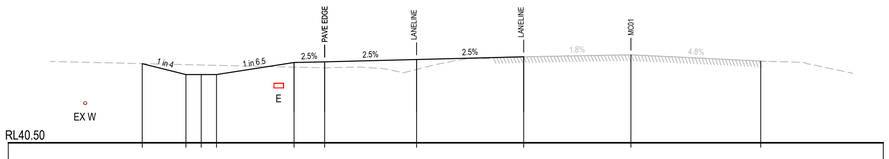
CH 880



RL40.75

PROPOSED SURFACE LEVEL	43.095	42.610	42.610	42.610	43.018	43.043	43.118	43.205
EXISTING SURFACE LEVEL	43.095	43.051	43.040	43.028	42.953	42.938	42.826	43.205	43.235	43.236	43.108
CENTRELINE OFFSET	-17.250	-15.304	-14.803	-14.302	-11.000	-10.000	-7.000	-3.502	0.000	0.294	4.548

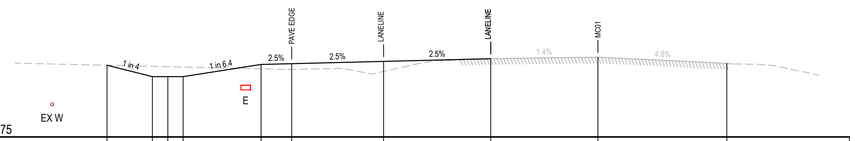
CH 860



RL40.50

	43.082	42.725	42.725	42.725	43.117	43.142	43.217	43.304
	43.082	43.049	43.038	43.026	42.967	42.946	42.893	43.304	43.369	43.166
	-15.956	-14.530	-14.030	-13.530	-11.000	-10.000	-7.000	-3.500	0.000	4.238

CH 917.848



RL40.75

	43.089	42.718	42.718	42.718	43.116	43.141	43.216	43.303
	43.089	43.055	43.044	43.032	42.974	42.953	42.889	43.303	43.352	43.151
	-16.030	-14.545	-14.045	-13.545	-11.000	-10.000	-7.000	-3.500	0.000	4.207

CH 914.232

0 2 4 6 8 10m

1 : 100 @ A1 1 : 200 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR INFORMATION	14-03-24

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	1 : 100 @ A1	Drawn	GB
		Designed	GB
Grid	GDA2020	Checked	AL
Height Datum	AHD	Approved	

TfNSW REGISTRATION No.

DS2023/001186

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: ROAD CROSS SECTIONS MC01 SHEET 23

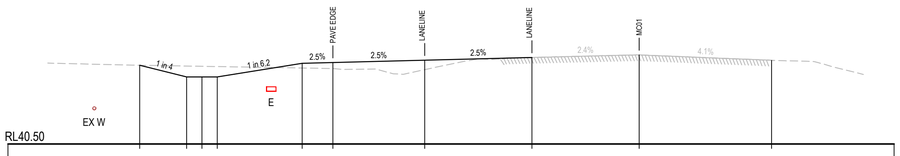
Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status		
FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION		A1
Project - Drawing No.		Issue
RC-2223		2

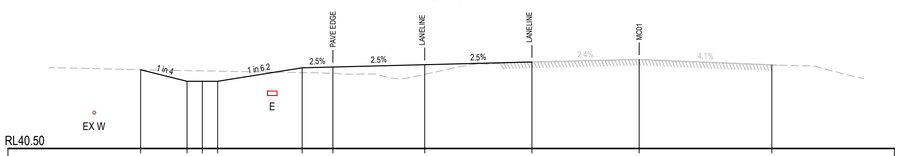
Date Plotted: 13 Apr 2024 - 03:13PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-04-RC-2223.dwg



RL40.50

	43.070	42.687	42.687	43.132	43.158	43.234	43.323	
	43.070	43.044	43.035	43.026	42.979	42.962	42.926	43.323	43.407	43.232
	-16.308	-14.774	-14.273	-13.773	-11.000	-10.000	-7.000	-3.500	0.000	4.322

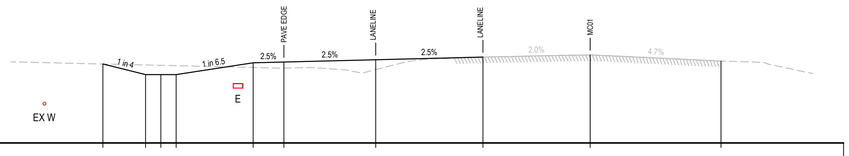
CH 940



RL40.50

	43.068	42.689	42.689	43.132	43.157	43.232	43.320	
	43.068	43.039	43.031	43.022	42.975	42.958	42.920	43.320	43.404	43.228
	-16.276	-14.761	-14.261	-13.761	-11.000	-10.000	-7.000	-3.500	0.000	4.330

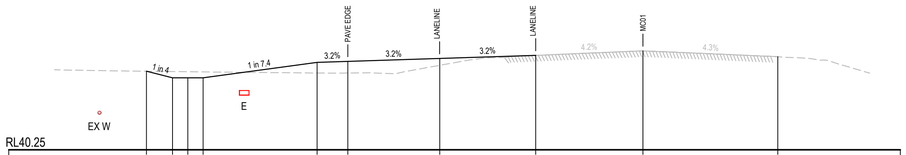
CH 938.855



RL40.50

PROPOSED SURFACE LEVEL	43.077	42.730	42.730	42.730	43.116	43.141	43.216	43.303		
EXISTING SURFACE LEVEL	43.077	43.045	43.033	43.022	42.963	42.942	42.893	43.303	43.373	43.172
CENTRELINE OFFSET	-15.908	-14.517	-14.017	-13.517	-11.000	-10.000	-7.000	-3.500	0.000	4.274

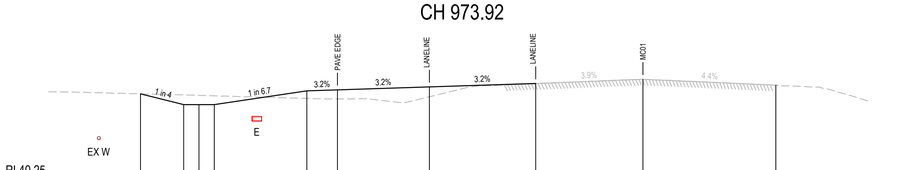
CH 920



RL40.25

	42.814	42.602	42.602	42.602	43.103	43.135	43.231	43.332		
	42.814	42.804	42.798	42.793	42.757	42.755	43.008	43.332	43.480	43.291
	-16.209	-15.358	-14.857	-14.357	-10.635	-9.635	-6.634	-3.500	0.000	4.404

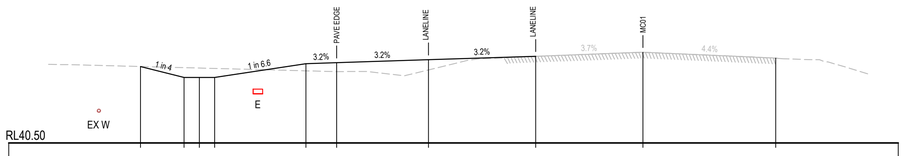
CH 973.92



RL40.25

	42.989	42.637	42.637	42.637	43.087	43.119	43.215	43.326		
	42.989	42.953	42.939	42.925	42.839	42.822	42.896	43.326	43.463	43.272
	-16.403	-14.995	-14.495	-13.995	-10.972	-9.971	-6.970	-3.500	0.000	4.340

CH 960



RL40.50

	42.995	42.640	42.640	42.640	43.088	43.120	43.216	43.328		
	42.995	42.958	42.945	42.932	42.854	42.829	42.885	43.328	43.459	43.269
	-16.404	-14.982	-14.482	-13.982	-11.000	-10.000	-6.999	-3.500	0.000	4.338

CH 958.808

0 2 4 6 8 10m

1 : 100 @ A1 1 : 200 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR INFORMATION	14-03-24

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	1 : 100 @ A1	Drawn	GB
		Designed	GB
Grid	GDA2020	Checked	AL
Height Datum	AHD	Approved	

TfNSW REGISTRATION No.

DS2023/001186

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: ROAD CROSS SECTIONS MC01 SHEET 24

Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

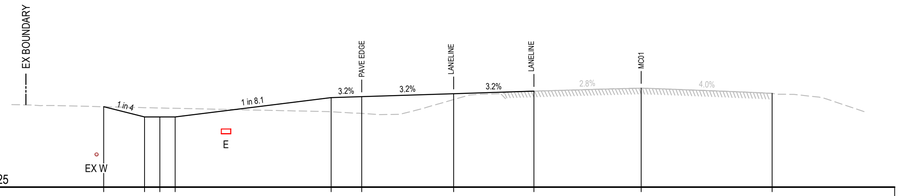
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: RC-2224

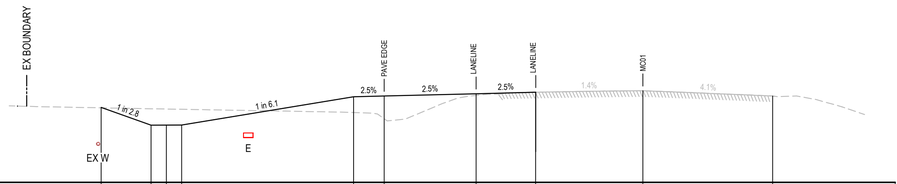
Issue: 2

Date Plotted: 13 Apr 2024 - 03:13PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-04-RC-2224.dwg



RL40.25

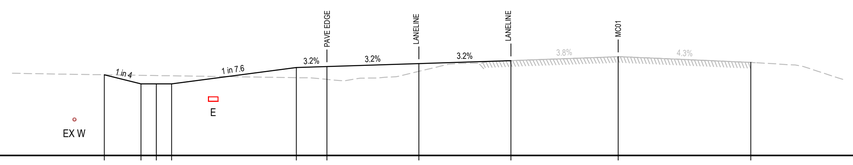
	42.875	42.541	42.541	42.541	43.172	43.204	43.300	43.384
	42.875	42.844	42.833	42.822	42.710	42.657	43.110	43.384	43.482	43.311
	-17.548	-16.213	-15.713	-15.213	-10.122	-9.122	-6.121	-3.500	0.000	4.278



RL40.50

	42.947	42.369	42.370	42.370	43.294	43.319	43.394	43.443
	42.934	42.903	42.894	42.885	42.778	42.577	43.338	43.443	43.493	43.318
	-17.690	-16.060	-15.559	-15.058	-9.448	-8.448	-5.447	-3.500	0.000	4.236

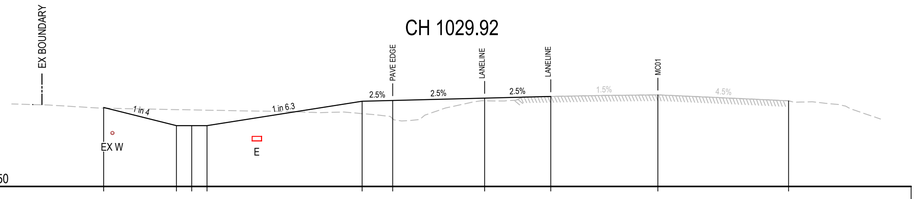
CH 998.094



RL40.25

	42.885	42.586	42.586	42.586	43.121	43.153	43.249	43.345
	42.885	42.867	42.860	42.852	42.791	42.735	42.997	43.345	43.477	43.290
	-16.776	-15.579	-15.079	-14.578	-10.506	-9.506	-6.505	-3.500	0.000	4.332

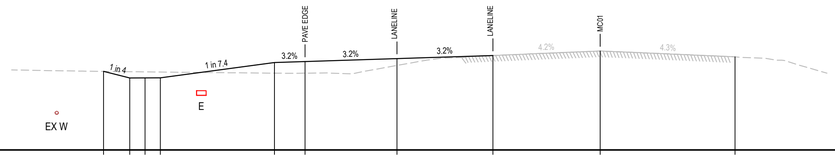
CH 1029.92



RL40.50

	43.080	42.486	42.486	42.486	43.284	43.309	43.384	43.438
	43.055	43.009	43.000	42.990	42.878	42.711	43.298	43.438	43.490	43.296
	-18.095	-15.721	-15.221	-14.721	-9.658	-8.658	-5.657	-3.500	0.000	4.266

CH 980

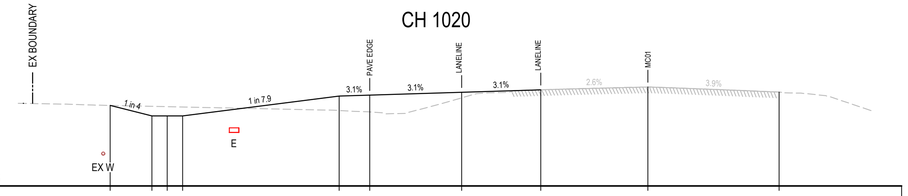


RL40.25

PROPOSED SURFACE LEVEL	42.815	42.602	42.602	42.602	43.103	43.135	43.231	43.332
EXISTING SURFACE LEVEL	42.815	42.805	42.799	42.793	42.757	42.755	43.008	43.332	43.480	43.291
CENTRELINE OFFSET	-16.212	-15.359	-14.859	-14.359	-10.635	-9.635	-6.634	-3.500	0.000	4.404

CH 973.92

CH 1020



RL40.25

	42.878	42.536	42.536	42.536	43.182	43.213	43.307	43.388
	42.878	42.849	42.838	42.827	42.712	42.666	43.124	43.388	43.481	43.313
	-17.559	-16.193	-15.693	-15.192	-10.082	-9.082	-6.081	-3.500	0.000	4.283

CH 1000

0 2 4 6 8 10m

1 : 100 @ A1 1 : 200 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR FOR INFORMATION	14-03-24

100mm on Original

Client

FRASERS PROPERTY · ESR · Stockland · FIFECAPITAL

Scales	1 : 100 @ A1	Drawn	GB
		Designed	GB
Grid	GDA2020	Checked	AL
Height Datum	AHD	Approved	

TfNSW REGISTRATION No.

DS2023/001186

Project

MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title

ROAD CROSS SECTIONS
MC01
SHEET 25

Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

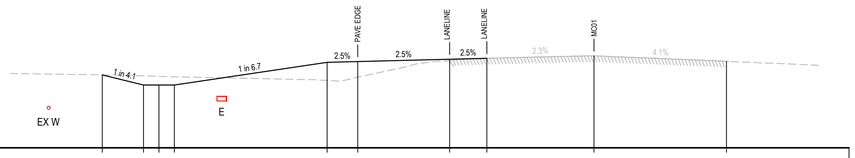
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: RC-2225

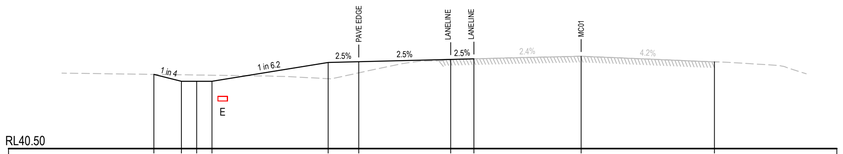
Issue: 2

Date Plotted: 13 Apr 2024 - 03:13PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-04-RC-2225.dwg



RL40.50

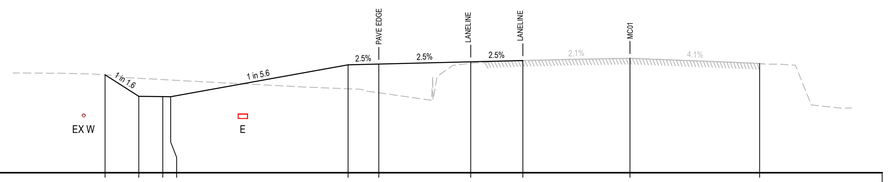
	42.878	42.545	42.546	42.547	43.289	43.314	43.389	43.419	
	42.878	42.845	42.829	42.815	42.697	42.803	43.337	43.419	43.501	43.323
	-16.055	-14.706	-14.203	-13.700	-8.714	-7.714	-4.713	-3.500	0.000	4.327



RL40.50

	42.920	42.696	42.696	42.696	43.309	43.334	43.409	43.428	
	42.920	42.907	42.900	42.893	42.781	42.971	43.409	43.428	43.512	43.328
	-13.947	-13.052	-12.552	-12.052	-8.258	-7.258	-4.257	-3.500	0.000	4.351

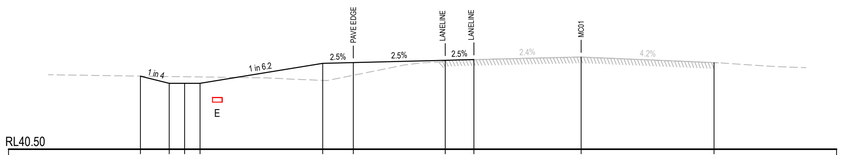
CH 1060



RL39.75

	42.946	42.246	42.238	42.231	43.272	43.297	43.372	43.414	43.488	43.317
	42.946	42.834	42.791	42.777	42.491	42.363	43.324	43.414	43.488	43.317
	-17.139	-16.036	-15.252	-14.997	-9.202	-8.202	-5.201	-3.500	0.000	4.232

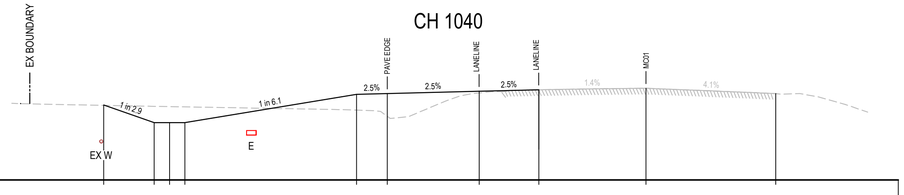
CH 1080



RL40.50

	42.886	42.653	42.653	42.653	43.302	43.327	43.402	43.426	
	42.886	42.873	42.866	42.859	42.747	42.914	43.388	43.426	43.510	43.326
	-14.389	-13.446	-12.944	-12.442	-8.436	-7.436	-4.435	-3.500	0.000	4.342

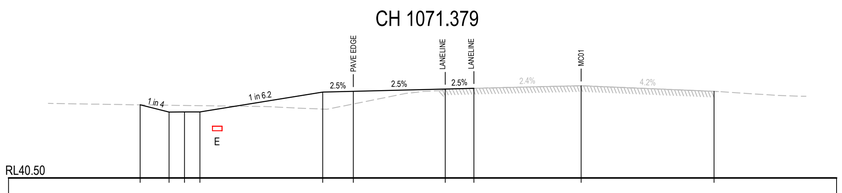
CH 1040



RL40.50

PROPOSED SURFACE LEVEL	42.947	42.370	42.370	42.371	43.294	43.319	43.394	43.443		
EXISTING SURFACE LEVEL	42.934	42.903	42.894	42.885	42.778	42.578	43.338	43.443	43.493	43.318
CENTRELINE OFFSET	-17.707	-16.057	-15.556	-15.055	-9.448	-8.448	-5.447	-3.500	0.000	4.236

CH 1071.379



RL40.50

	42.886	42.653	42.653	42.653	43.302	43.327	43.402	43.426	
	42.886	42.873	42.866	42.859	42.747	42.914	43.388	43.426	43.510	43.326
	-14.395	-13.452	-12.949	-12.446	-8.437	-7.436	-4.435	-3.500	0.000	4.342

CH 1029.92

CH 1071.379

0 2 4 6 8 10m

1 : 100 @ A1 1 : 200 @ A3

Issue	Description	Date
1	ISSUED FOR 100% DESIGN	15-04-24

100mm on Original

Client

FRASERS PROPERTY ESR Stockland FIFECAPITAL

Scales 1 : 100 @ A1

Drawn	GB
Designed	GB
Checked	AL
Approved	

Grid GDA2020

Height Datum AHD

TfNSW REGISTRATION No.

DS2023/001186

Project

MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title

ROAD CROSS SECTIONS MC01 SHEET 26

Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

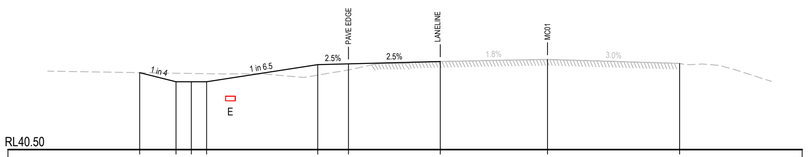
Status FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No. RC-2226

Issue 1

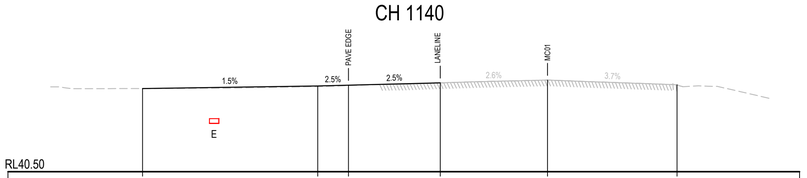
Date Plotted: 13 Apr 2024 - 03:13PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-04-RC-2226.dwg



RL40.50

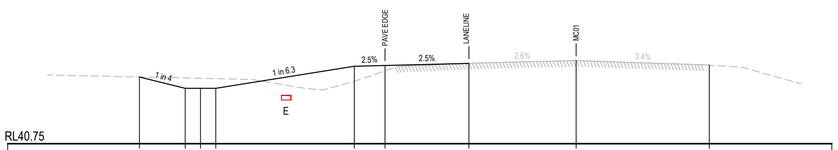
	43.009	42.712	42.712	42.712	43.274	43.299	43.374	
	43.009	42.990	42.984	42.977	42.931	43.099	43.374	43.441	43.311
	-13.316	-12.129	-11.629	-11.129	-7.500	-6.500	-3.500	0.000	4.313

CH 1140



RL40.50

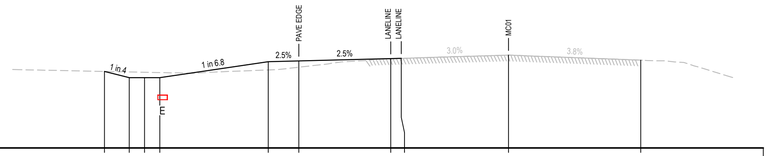
	43.212	43.299	43.324	43.399		
	43.212	43.273	43.308	43.399	43.489	43.334
	-13.223	-7.500	-6.500	-3.500	0.000	4.230



RL40.75

	42.926	42.554	42.555	42.555	43.277	43.302	43.371	
	42.926	42.893	42.882	42.871	42.785	43.125	43.371	43.461	43.315
	-14.257	-12.764	-12.264	-11.763	-7.242	-6.242	-3.500	0.000	4.347

CH 1120

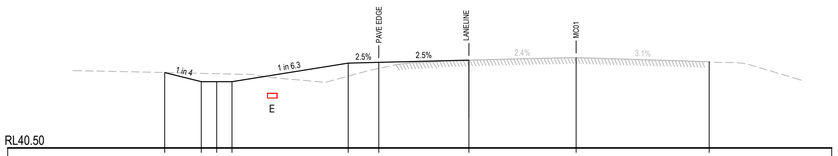


RL40.50

PROPOSED SURFACE LEVEL	42.998	42.796	42.796	42.796	43.315	43.340	43.415	43.424	
EXISTING SURFACE LEVEL	42.997	42.981	42.970	42.960	43.046	43.135	43.412	43.424	43.530	43.366
CENTRELINE OFFSET	-13.190	-12.383	-11.883	-11.383	-7.846	-6.846	-3.845	-3.500	0.000	4.319

CH 1100

CH 1160



RL40.50

	42.961	42.663	42.663	42.663	43.267	43.292	43.366	
	42.961	42.935	42.924	42.913	42.844	43.096	43.366	43.448	43.312
	-13.432	-12.237	-11.736	-11.235	-7.442	-6.442	-3.500	0.000	4.345

CH 1149.92

0 2 4 6 8 10m

1 : 100 @ A1 1 : 200 @ A3

Issue	Description	Date
1	ISSUED FOR 100% DESIGN	15-04-24

100mm on Original

Client

FRASERS PROPERTY ESR Stockland FIFECAPITAL

Scales 1 : 100 @ A1

Grid GDA2020

Height Datum AHD

Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.

DS2023/001186

Project

MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title

ROAD CROSS SECTIONS
MC01
SHEET 27

Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

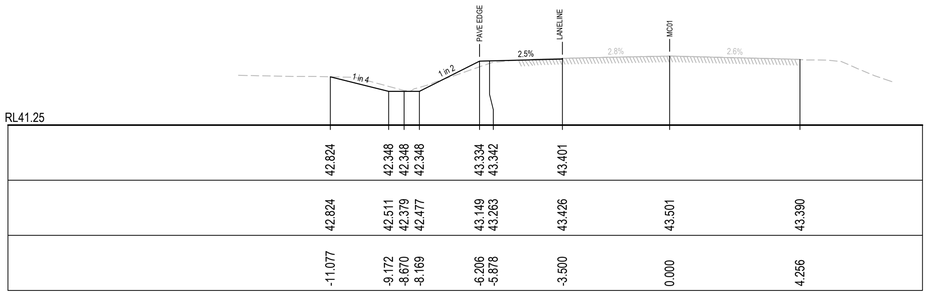
Status FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No. RC-2227

Issue 1

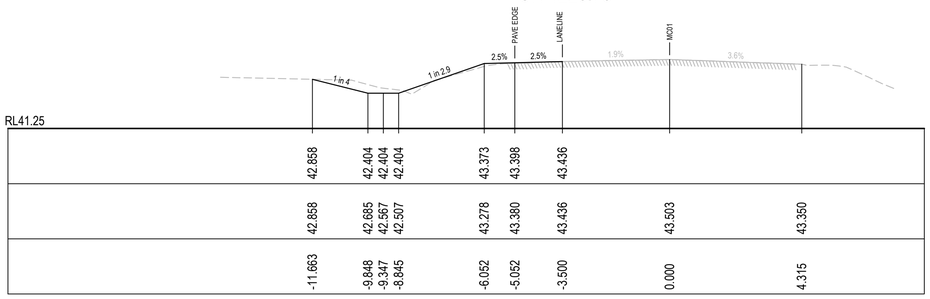
Date Plotted: 13 Apr 2024 - 03:13PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-04-RC-2227.dwg



RL41.25

	42.824	42.348	42.348	43.334	43.342	43.401	
	42.824	42.511	42.379	42.477	43.149	43.263	43.426	43.501	43.390
-11.077		-9.172	-8.670	-8.169	-6.206	-5.878	-3.500	0.000	4.256

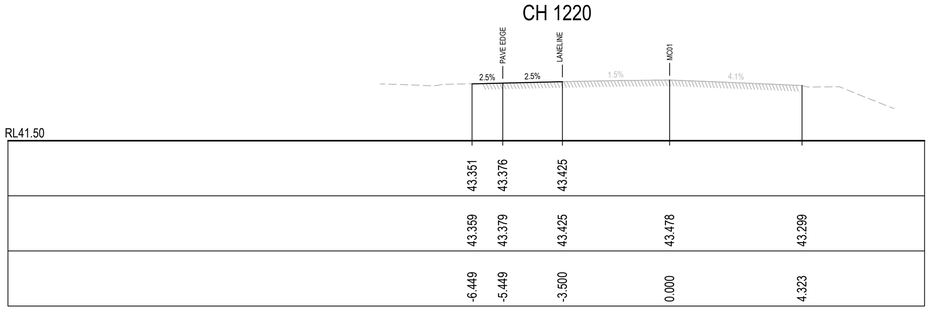
CH 1228.75



RL41.25

	42.858	42.404	42.404	42.404	43.373	43.398	43.436		
	42.858	42.685	42.567	42.507	43.278	43.380	43.436	43.503	43.350
-11.663		-9.848	-9.347	-8.845	-6.052	-5.052	-3.500	0.000	4.315

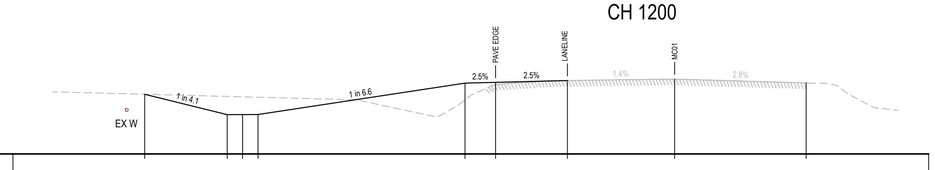
CH 1220



RL41.50

	43.351	43.376	43.425				
	43.359	43.379	43.425	43.478	43.299		
-6.449	-5.449	-3.500	0.000	4.323			

CH 1200



RL41.00

PROPOSED SURFACE LEVEL	42.949	42.284	42.285	42.285	43.311	43.336	43.394		
EXISTING SURFACE LEVEL	42.949	42.878	42.864	42.851	42.760	43.266	43.394	43.442 43.442	43.320
CENTRELINE OFFSET	-17.302	-14.608	-14.105	-13.602	-6.846	-5.845	-3.500	0.000 0.000	4.296

CH 1180

0 2 4 6 8 10m

1 : 100 @ A1 1 : 200 @ A3

Issue	Description	Date
1	ISSUED FOR 100% DESIGN	15-04-24

100mm on Original

Client

FRASERS PROPERTY · ESR · Stockland · FIFECAPITAL

Scales	1 : 100 @ A1	Drawn	GB
		Designed	GB
Grid	GDA2020	Checked	AL
Height Datum	AHD	Approved	

TfNSW REGISTRATION No.

DS2023/001186

Project

MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title

ROAD CROSS SECTIONS
MC01
SHEET 28

Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

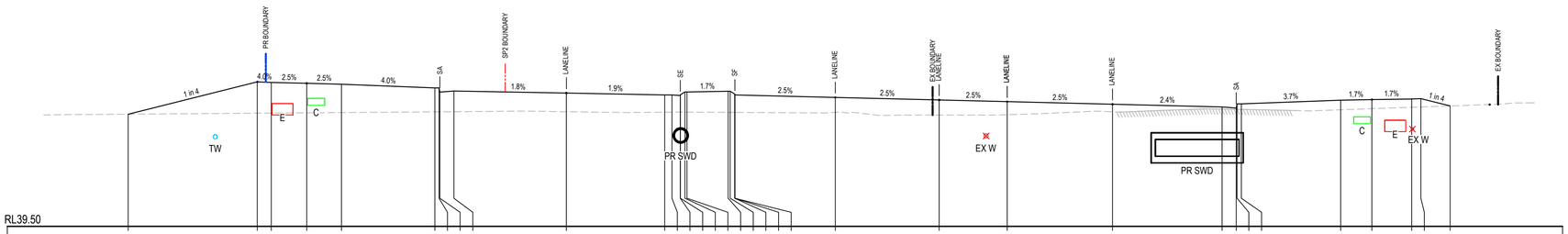
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: RC-2228

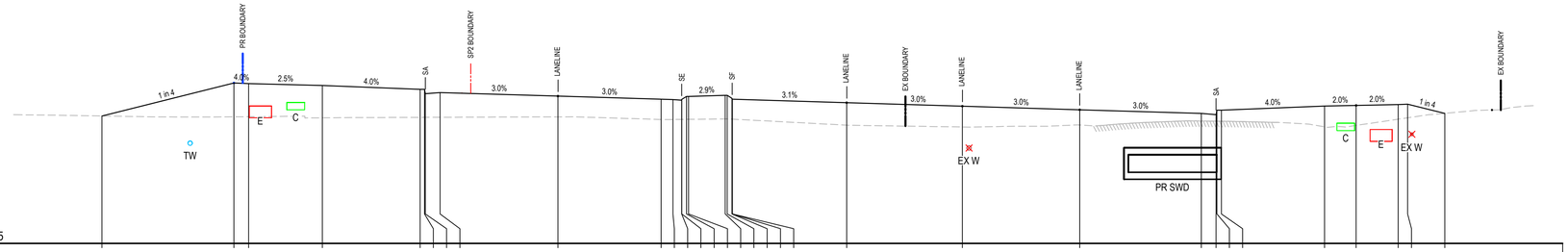
Issue: 1

Date Plotted: 13 Apr 2024 - 03:13PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-04-RC-2228.dwg

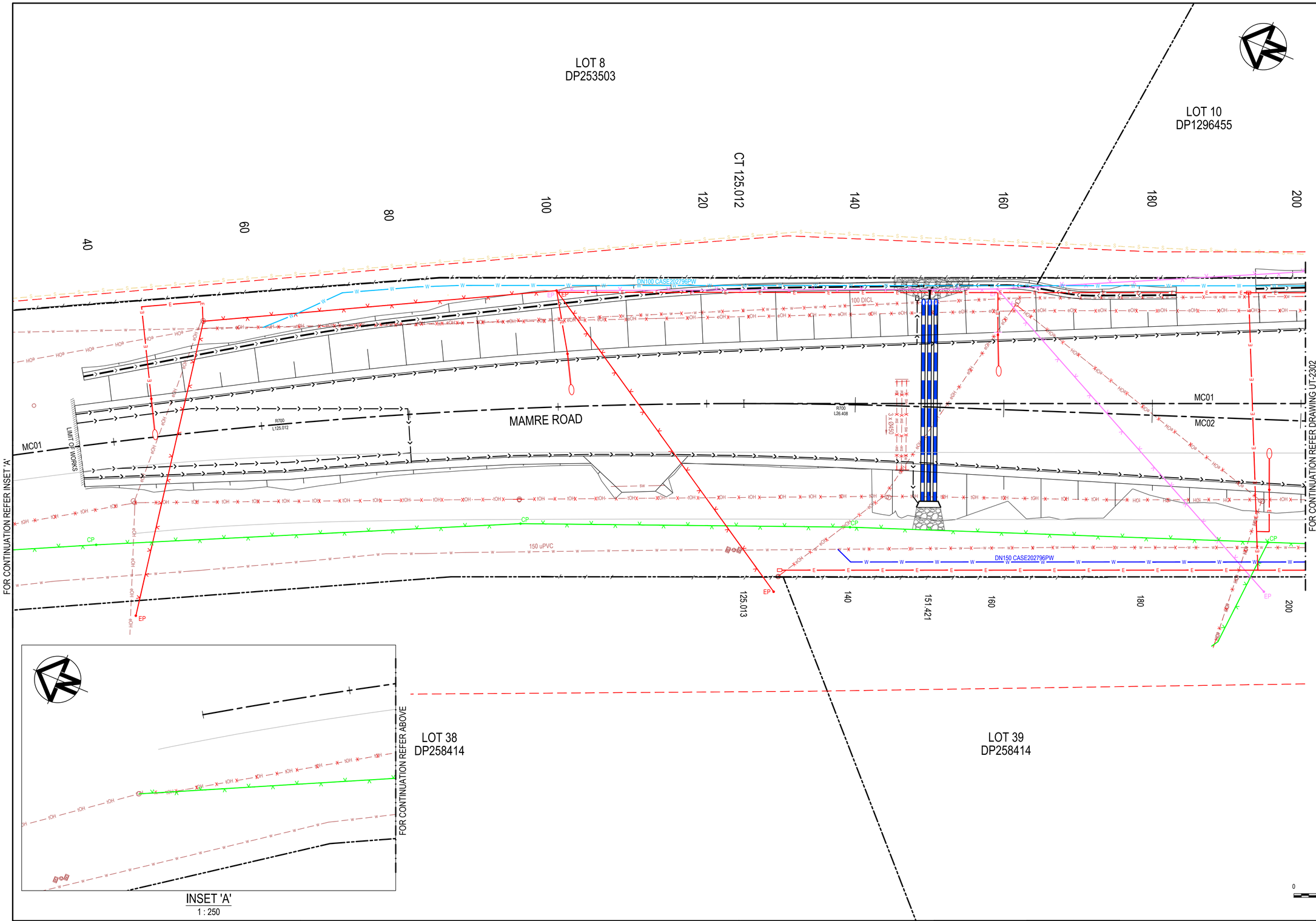

PR BOUNDARY
SP2 BOUNDARY
EX BOUNDARY
LANELINE
SA
SE
SF
1 in 4
4.0%
2.5%
2.5%
4.0%
1.8%
1.9%
1.7%
2.5%
2.5%
2.5%
2.5%
2.4%
3.7%
1.7%
1.7%
1 in 4
E
C
TW
PR SWD
EX W
PR SWD
C
E
EX W

RL39.50

| | | |


PR BOUNDARY
SPZ BOUNDARY
EX BOUNDARY
LANELINE
SA
SE
SF
1 in 4
4.0%
2.5%
4.0%
3.0%
2.9%
3.1%
2.0%
TW
E
C
EX W
PR SWD

| | | |



LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- STORMWATER PIT
- STORMWATER HEADWALL
- STORMWATER PIPE
- STORMWATER CULVERT
- SUBSURFACE DRAINAGE

EXISTING SERVICES

- ELECTRICITY
- ELECTRICITY OVERHEAD
- COMMUNICATIONS OVERHEAD
- WATER SERVICE
- STORMWATER

PROPOSED SERVICES

- ELECTRICITY
- ELECTRICITY OVERHEAD
- COMMUNICATIONS
- COMMUNICATIONS FIBRE
- COMMUNICATIONS OVERHEAD
- COMMUNICATIONS POLE
- COMMUNICATIONS PIT
- WATER
- WATER HYDRANT
- WATER STOP VALVE
- DISUSED SERVICE
- LIGHT POLE
- ELECTRICITY POLE
- ELECTRICITY PILLAR
- SIGNAL POST
- SIGNAL CONTROL BOX

TEMPORARY SERVICES

- ELECTRICITY OVERHEAD
- ELECTRICITY POLE
- WATER
- WATER HYDRANT
- WATER STOP VALVE

FUTURE SERVICES

- FUTURE POTABLE WATER ALLOCATION
- FUTURE RECYCLED WATER ALLOCATION
- FUTURE SYDNEY WATER SEWER ALLOCATION
- FUTURE SYDNEY WATER SEWER RISING MAIN ALLOCATION
- FUTURE RECYCLED STORMWATER WATER ALLOCATION

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	1 : 250 @ A1
Grid	GDA2020
Height Datum	AHD
Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title
UTILITIES PLAN SHEET 1

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: UT-2301

Issue: 2

Date Plotted: 15 Apr 2024 - 03:02PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-05-UT-2301.dwg

LOT 10
DP1296455

SAG 284.489

MAMRE ROAD

DN100 CASE202796PW

DN150 CASE202796PW

150 uPVC

MC01

MC02

159°37'39"
L175.71

157°28'1"
L475.199

R=2500
L94.276

4 x Ø375

6
2313

7
2313

4
UT-2312

SAG 275.071

TC 327.131

220 240 260 280 300 320 340 360

FOR CONTINUATION REFER DRAWING UT-2301

FOR CONTINUATION REFER DRAWING UT-2303

LOT 39
DP258414

LOT 40
DP258414

LEGEND

EXISTING BOUNDARY
EXISTING BOUNDARY TO BE REMOVED
EXISTING EASEMENT
PROPOSED BOUNDARY
SP2 BOUNDARY
STORMWATER PIT
STORMWATER HEADWALL
STORMWATER PIPE
STORMWATER CULVERT
SUBSURFACE DRAINAGE

EXISTING SERVICES

ELECTRICITY
ELECTRICITY OVERHEAD
COMMUNICATIONS OVERHEAD
WATER SERVICE
STORMWATER

PROPOSED SERVICES

ELECTRICITY
ELECTRICITY OVERHEAD
COMMUNICATIONS
COMMUNICATIONS FIBRE
COMMUNICATIONS OVERHEAD
COMMUNICATIONS POLE
COMMUNICATIONS PIT
WATER
WATER HYDRANT
WATER STOP VALVE
DISUSED SERVICE
LIGHT POLE
ELECTRICITY POLE
ELECTRICITY PILLAR
SIGNAL POST
SIGNAL CONTROL BOX

TEMPORARY SERVICES

ELECTRICITY OVERHEAD
ELECTRICITY POLE
WATER
WATER HYDRANT
WATER STOP VALVE

FUTURE SERVICES

FUTURE POTABLE WATER ALLOCATION
FUTURE RECYCLED WATER ALLOCATION
FUTURE SYDNEY WATER SEWER ALLOCATION
FUTURE SYDNEY WATER SEWER RISING MAIN ALLOCATION
FUTURE RECYCLED STORMWATER WATER ALLOCATION

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 250 @ A1
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn: GB
Designed: GB
Checked: AL
Approved:

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: UTILITIES PLAN SHEET 2

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: UT-2302

Issue: 2

Date Plotted: 15 Apr 2024 - 03:03PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-05-UT-2302.dwg

FOR CONTINUATION REFER DRAWING UT-2308

FOR CONTINUATION REFER DRAWING UT-2302

FOR CONTINUATION REFER DRAWING UT-2304

LOT 10
DP1296455

LOT 2
DP250002

LOT 40
DP258414

ABBOTTS ROAD

MAMRE ROAD

MAMRE ROAD

CREST 512.676

CREST 513.734

SIGNAL CONTROL BOX

SAG 24.577

SAG 24.855

CT 421.407

MC01

MC02

MC03A

MC03

0.000

0.000

DN100 CASE202796PW

DN150 CASE202796PW

DN 450 CASE202796PW

DN 450 CASE202796PW

100 CICL

150 uPVC

150 DICL

150 uPVC

150 DICL

3 x 600

380 400 420 440 460 480 500 520 540

40 40 20 20

8 2314

9 2314

10 2315

11 2315

1 UT-2311

5 UT-2312

LEGEND

EXISTING BOUNDARY
EXISTING BOUNDARY TO BE REMOVED
EXISTING EASEMENT
PROPOSED BOUNDARY
SP2 BOUNDARY
STORMWATER PIT
STORMWATER HEADWALL
STORMWATER PIPE
STORMWATER CULVERT
SUBSURFACE DRAINAGE

EXISTING SERVICES

ELECTRICITY
ELECTRICITY OVERHEAD
COMMUNICATIONS OVERHEAD
WATER SERVICE
STORMWATER

PROPOSED SERVICES

ELECTRICITY
ELECTRICITY OVERHEAD
COMMUNICATIONS
COMMUNICATIONS FIBRE
COMMUNICATIONS OVERHEAD
COMMUNICATIONS POLE
COMMUNICATIONS PIT
WATER
WATER HYDRANT
WATER STOP VALVE
DISUSED SERVICE
LIGHT POLE
ELECTRICITY POLE
ELECTRICITY PILLAR
SIGNAL POST
SIGNAL CONTROL BOX

TEMPORARY SERVICES

ELECTRICITY OVERHEAD
ELECTRICITY POLE
WATER
WATER HYDRANT
WATER STOP VALVE

FUTURE SERVICES

FUTURE POTABLE WATER ALLOCATION
FUTURE RECYCLED WATER ALLOCATION
FUTURE SYDNEY WATER SEWER ALLOCATION
FUTURE SYDNEY WATER SEWER RISING MAIN ALLOCATION
FUTURE RECYCLED STORMWATER WATER ALLOCATION

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client

FRASERS PROPERTY · ESR · Stockland · FIFECAPITAL

Scales 1 : 250 @ A1

Grid GDA2020

Height Datum AHD

Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.

DS2023/001186

Project

MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title

UTILITIES PLAN SHEET 3

Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

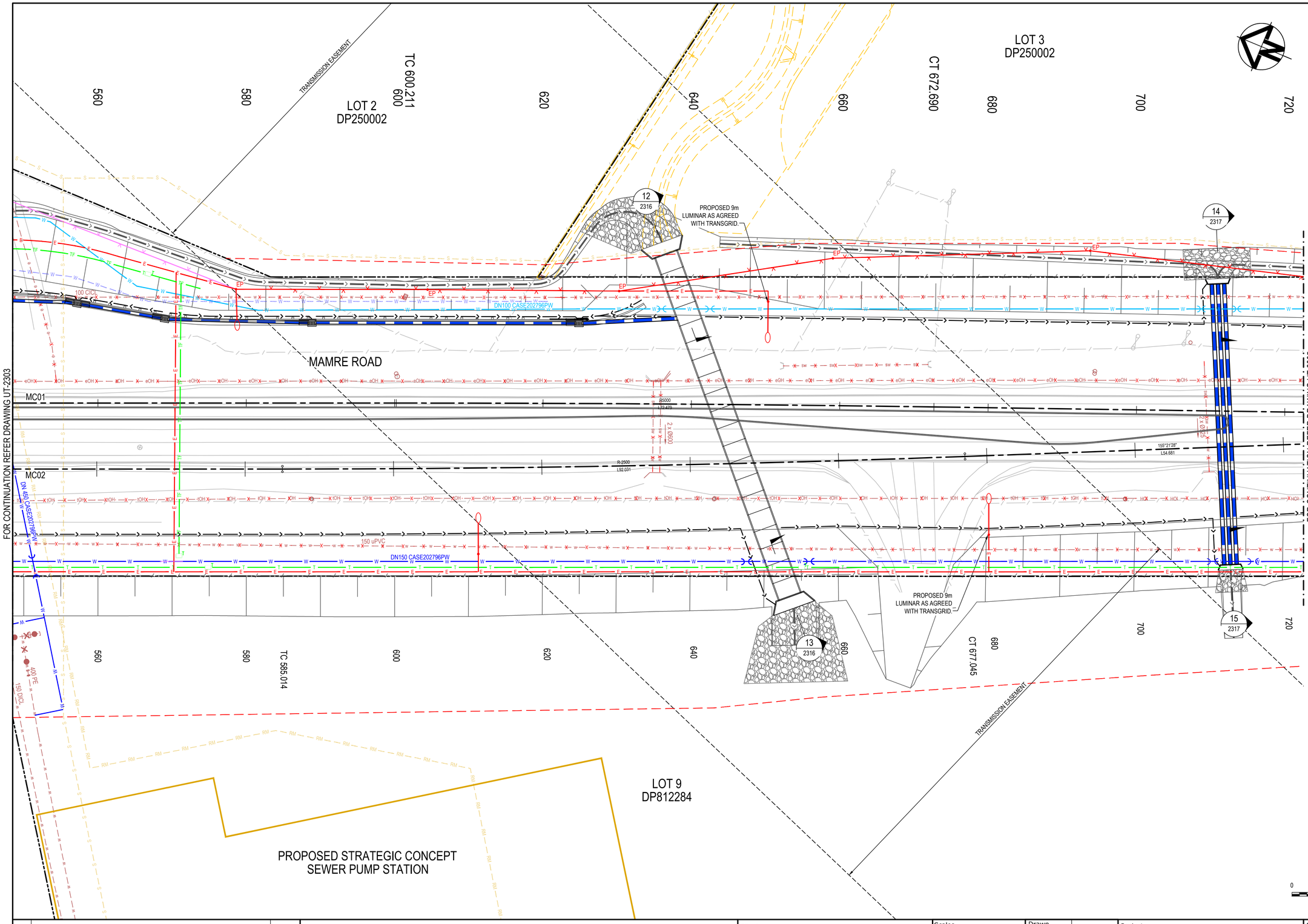
Status FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No. UT-2303

Issue 2

Date Plotted: 15 Apr 2024 - 03:03PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-05-UT-2303.dwg



LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- STORMWATER PIT
- STORMWATER HEADWALL
- STORMWATER PIPE
- STORMWATER CULVERT
- SUBSURFACE DRAINAGE

EXISTING SERVICES

- ELECTRICITY
- ELECTRICITY OVERHEAD
- COMMUNICATIONS OVERHEAD
- WATER SERVICE
- STORMWATER

PROPOSED SERVICES

- ELECTRICITY
- ELECTRICITY OVERHEAD
- COMMUNICATIONS
- COMMUNICATIONS FIBRE
- COMMUNICATIONS OVERHEAD
- COMMUNICATIONS POLE
- COMMUNICATIONS PIT
- WATER
- WATER HYDRANT
- WATER STOP VALVE
- DISUSED SERVICE
- LIGHT POLE
- ELECTRICITY POLE
- ELECTRICITY PILLAR
- SIGNAL POST
- SIGNAL CONTROL BOX

TEMPORARY SERVICES

- ELECTRICITY OVERHEAD
- ELECTRICITY POLE
- WATER
- WATER HYDRANT
- WATER STOP VALVE

FUTURE SERVICES

- FUTURE POTABLE WATER ALLOCATION
- FUTURE RECYCLED WATER ALLOCATION
- FUTURE SYDNEY WATER SEWER ALLOCATION
- FUTURE SYDNEY WATER SEWER RISING MAIN ALLOCATION
- FUTURE RECYCLED STORMWATER WATER ALLOCATION

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	1 : 250 @ A1
Grid	GDA2020
Height Datum	AHD
Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.

DS2023/001186

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: UTILITIES PLAN SHEET 4

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

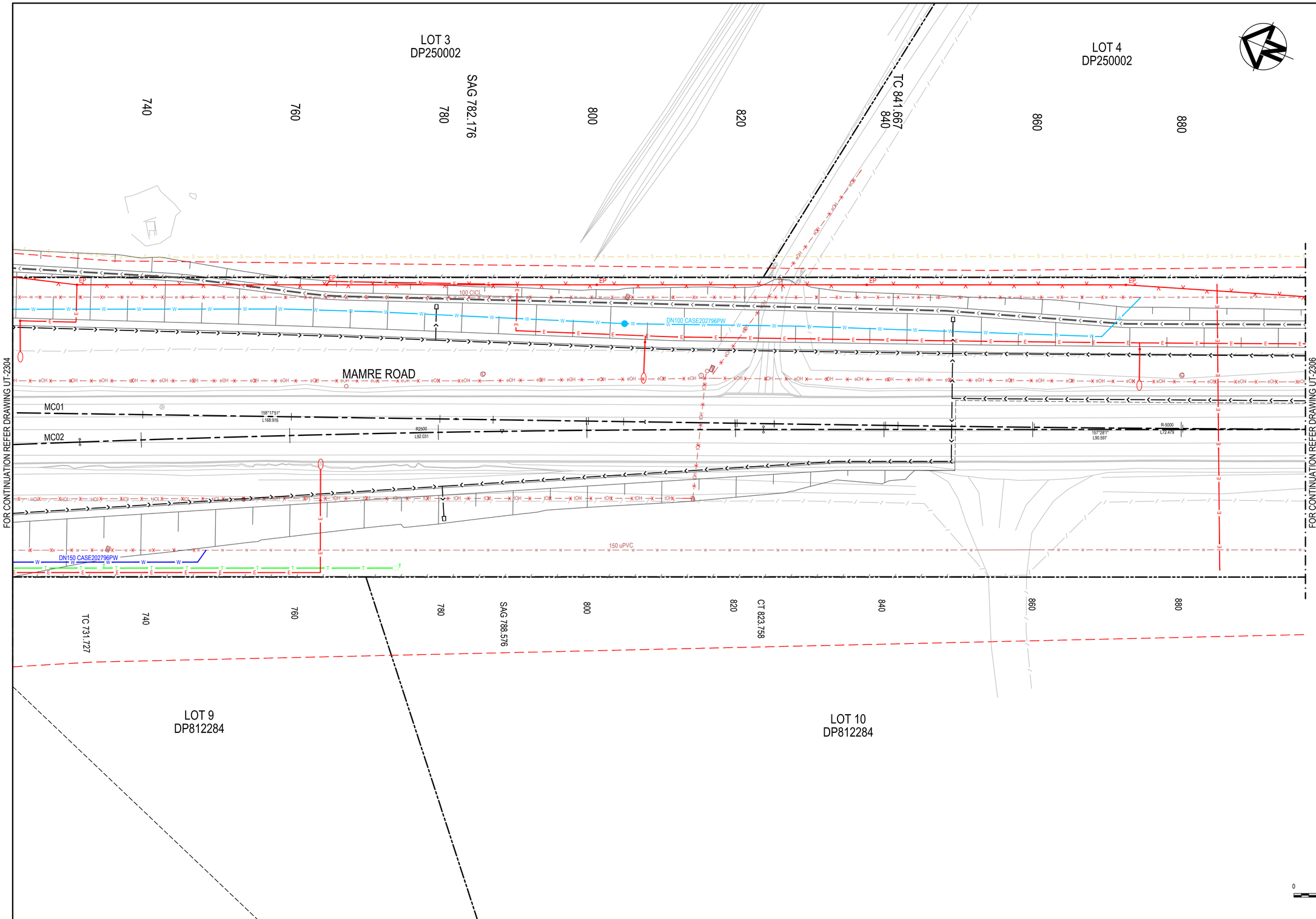
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: UT-2304

Issue: 2

Date Plotted: 15 Apr 2024 - 03:04PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-05-UT-2304.dwg



LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- STORMWATER PIT
- STORMWATER HEADWALL
- STORMWATER PIPE
- STORMWATER CULVERT
- SUBSURFACE DRAINAGE

EXISTING SERVICES

- ELECTRICITY
- ELECTRICITY OVERHEAD
- COMMUNICATIONS OVERHEAD
- WATER SERVICE
- STORMWATER
- PROPOSED SERVICES
- ELECTRICITY
- ELECTRICITY OVERHEAD
- COMMUNICATIONS
- COMMUNICATIONS FIBRE
- COMMUNICATIONS OVERHEAD
- COMMUNICATIONS POLE
- COMMUNICATIONS PIT
- WATER
- WATER HYDRANT
- WATER STOP VALVE
- DISUSED SERVICE
- LIGHT POLE
- ELECTRICITY POLE
- ELECTRICITY PILLAR
- SIGNAL POST
- SIGNAL CONTROL BOX

TEMPORARY SERVICES

- ELECTRICITY OVERHEAD
- ELECTRICITY POLE
- WATER
- WATER HYDRANT
- WATER STOP VALVE

FUTURE SERVICES

- FUTURE POTABLE WATER ALLOCATION
- FUTURE RECYCLED WATER ALLOCATION
- FUTURE SYDNEY WATER SEWER ALLOCATION
- FUTURE SYDNEY WATER SEWER RISING MAIN ALLOCATION
- FUTURE RECYCLED STORMWATER WATER ALLOCATION

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	1 : 250 @ A1
Grid	GDA2020
Height Datum	AHD
Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title
UTILITIES PLAN SHEET 5

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: UT-2305

Issue: 2

Date Plotted: 15 Apr 2024 - 03:05PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-05-UT-2305.dwg

LOT 4
DP250002

LOT 5
DP250002

CT 914.146

900 920 940 960 980 1000 1020 1040 1060

PROPOSED SUBSTATION TO BE INSTALLED ON NEW POLE. REFER TO APPROVED ELECTRICAL DRAWINGS FOR DETAILS

JOINT USE UTILITY POLE FOR OVERHEAD ELECTRICAL AND OVERHEAD TELSTRA

16
2318

Class1

100 C/CL

EP

MC01

157°27'54"
L3.616

157°21'42"
L66.072

157°31'49"
L56

157°20'47"
L41.458

MAMRE ROAD

FOR CONTINUATION REFER DRAWING UT-2305

FOR CONTINUATION REFER DRAWING UT-2307

150 uPVC

900 914.355

LOT 10
DP812284

LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- STORMWATER PIT
- STORMWATER HEADWALL
- STORMWATER PIPE
- STORMWATER CULVERT
- SUBSURFACE DRAINAGE

EXISTING SERVICES

- ELECTRICITY
- ELECTRICITY OVERHEAD
- COMMUNICATIONS OVERHEAD
- WATER SERVICE
- STORMWATER

PROPOSED SERVICES

- ELECTRICITY
- ELECTRICITY OVERHEAD
- COMMUNICATIONS
- COMMUNICATIONS FIBRE
- COMMUNICATIONS OVERHEAD
- COMMUNICATIONS POLE
- COMMUNICATIONS PIT
- WATER
- WATER HYDRANT
- WATER STOP VALVE
- DISUSED SERVICE
- LIGHT POLE
- ELECTRICITY POLE
- ELECTRICITY PILLAR
- SIGNAL POST
- SIGNAL CONTROL BOX

TEMPORARY SERVICES

- ELECTRICITY OVERHEAD
- ELECTRICITY POLE
- WATER
- WATER HYDRANT
- WATER STOP VALVE

FUTURE SERVICES

- FUTURE POTABLE WATER ALLOCATION
- FUTURE RECYCLED WATER ALLOCATION
- FUTURE SYDNEY WATER SEWER ALLOCATION
- FUTURE SYDNEY WATER SEWER RISING MAIN ALLOCATION
- FUTURE RECYCLED STORMWATER WATER ALLOCATION

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 250 @ A1
Grid: GDA2020
Height Datum: AHD

Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title
UTILITIES PLAN SHEET 6

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

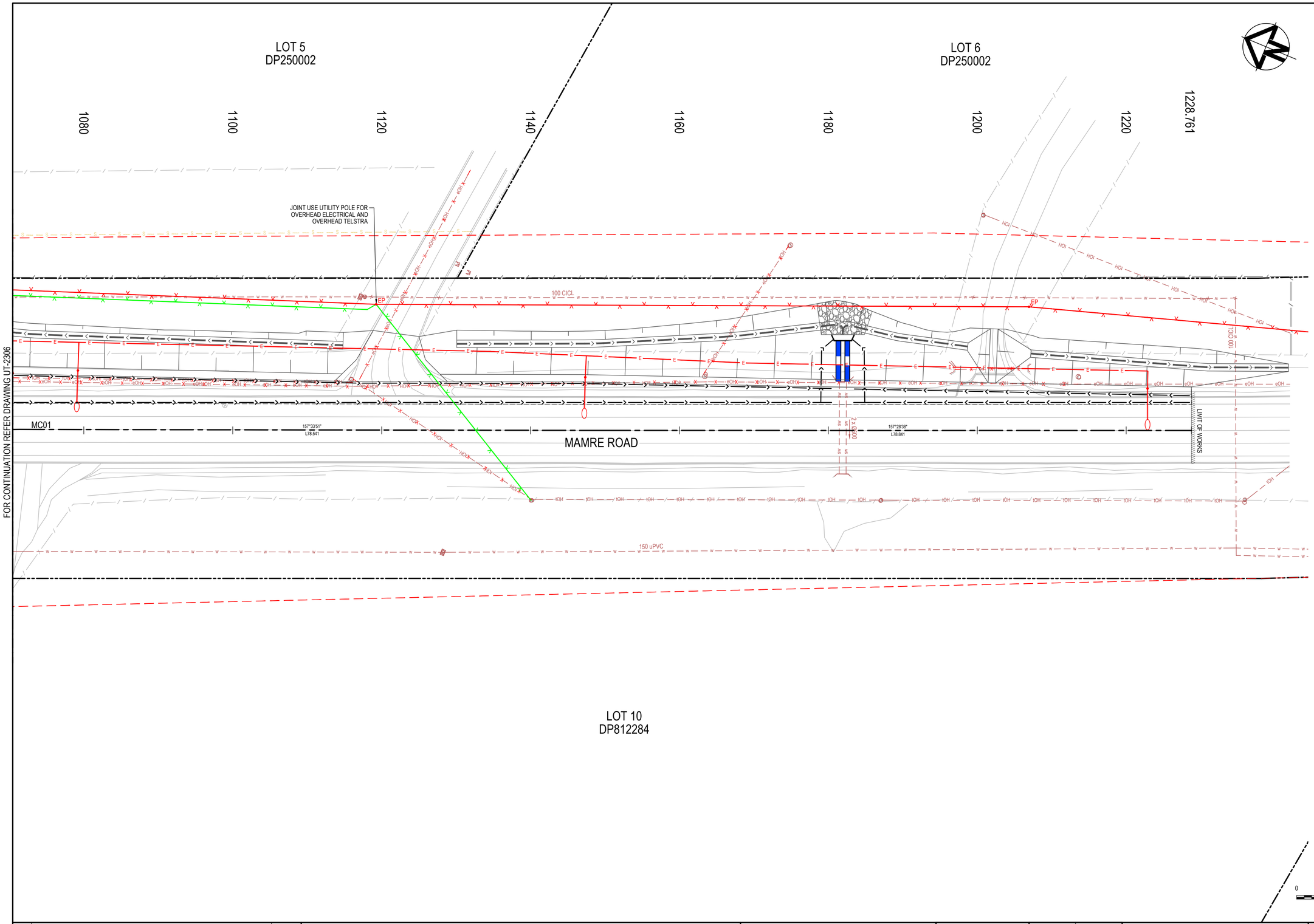
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: UT-2306

Issue: 2

Date Plotted: 15 Apr 2024 - 03:05PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-05-UT-2306.dwg



LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- STORMWATER PIT
- STORMWATER HEADWALL
- STORMWATER PIPE
- STORMWATER CULVERT
- SUBSURFACE DRAINAGE

EXISTING SERVICES

- ELECTRICITY
- ELECTRICITY OVERHEAD
- COMMUNICATIONS OVERHEAD
- WATER SERVICE
- STORMWATER

PROPOSED SERVICES

- ELECTRICITY
- ELECTRICITY OVERHEAD
- COMMUNICATIONS
- COMMUNICATIONS FIBRE
- COMMUNICATIONS OVERHEAD
- COMMUNICATIONS POLE
- COMMUNICATIONS PIT
- WATER
- WATER HYDRANT
- WATER STOP VALVE
- DISUSED SERVICE
- LIGHT POLE
- ELECTRICITY POLE
- ELECTRICITY PILLAR
- SIGNAL POST
- SIGNAL CONTROL BOX

TEMPORARY SERVICES

- ELECTRICITY OVERHEAD
- ELECTRICITY POLE
- WATER
- WATER HYDRANT
- WATER STOP VALVE

FUTURE SERVICES

- FUTURE POTABLE WATER ALLOCATION
- FUTURE RECYCLED WATER ALLOCATION
- FUTURE SYDNEY WATER SEWER ALLOCATION
- FUTURE SYDNEY WATER SEWER RISING MAIN ALLOCATION
- FUTURE RECYCLED STORMWATER WATER ALLOCATION

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	1 : 250 @ A1
Grid	GDA2020
Height Datum	AHD
Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title
UTILITIES PLAN SHEET 7

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

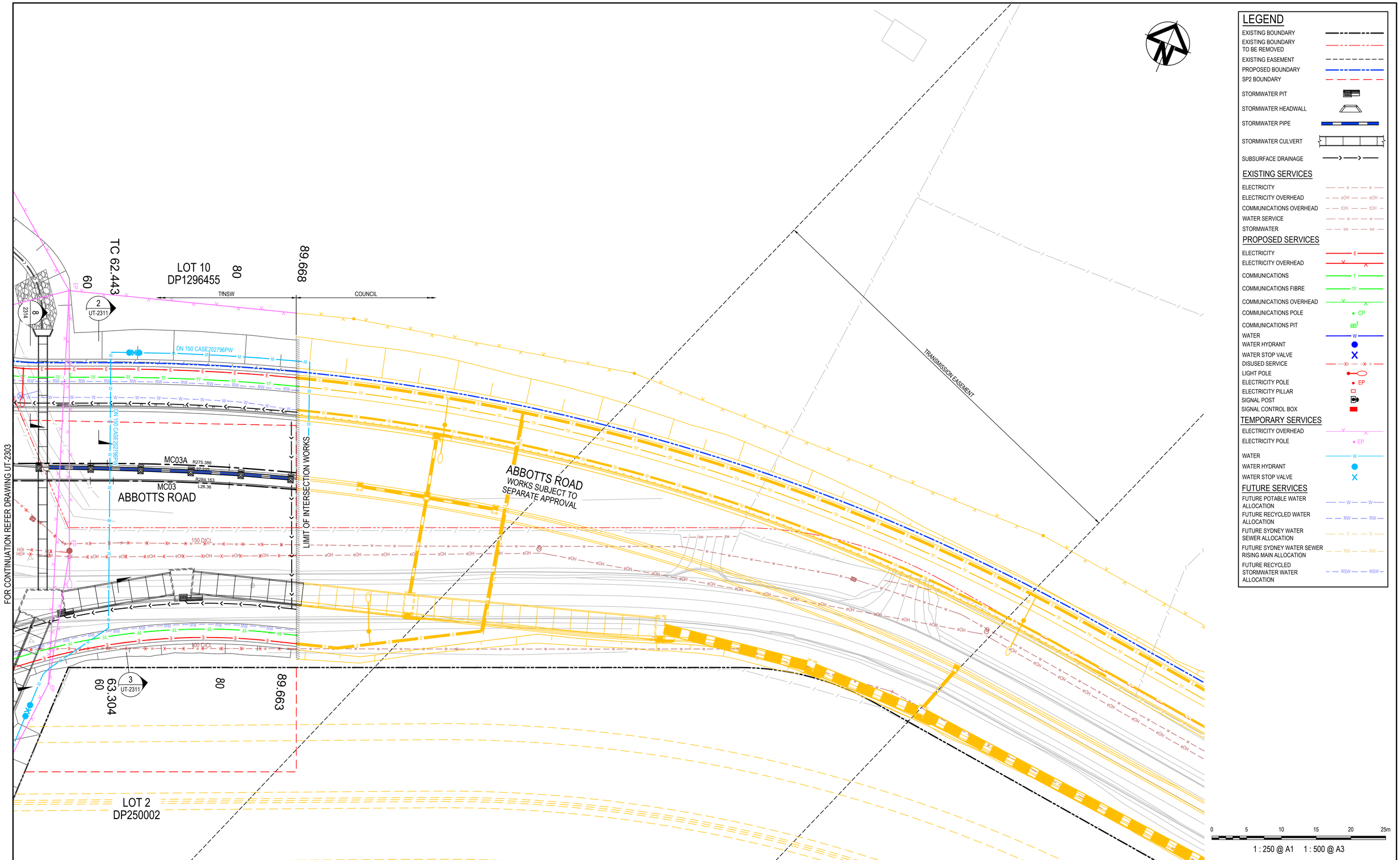
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: UT-2307

Issue: 2

Date Plotted: 15 Apr 2024 - 03:06PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-05-UT-2307.dwg



LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- STORMWATER PIT
- STORMWATER HEADWALL
- STORMWATER PIPE
- STORMWATER CULVERT
- SUBSURFACE DRAINAGE

EXISTING SERVICES

- ELECTRICITY
- ELECTRICITY OVERHEAD
- COMMUNICATIONS OVERHEAD
- WATER SERVICE
- STORMWATER

PROPOSED SERVICES

- ELECTRICITY
- ELECTRICITY OVERHEAD
- COMMUNICATIONS
- COMMUNICATIONS FIBRE
- COMMUNICATIONS OVERHEAD
- COMMUNICATIONS POLE
- COMMUNICATIONS PIT
- WATER
- WATER HYDRANT
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- DISUSED SERVICE
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- ELECTRICITY POLE
- ELECTRICITY PILLAR
- SIGNAL POST
- SIGNAL CONTROL BOX

TEMPORARY SERVICES

- ELECTRICITY OVERHEAD
- ELECTRICITY POLE
- WATER
- WATER HYDRANT
- WATER STOP VALVE

FUTURE SERVICES

- FUTURE POTABLE WATER ALLOCATION
- FUTURE RECYCLED WATER ALLOCATION
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- FUTURE SYDNEY WATER SEWER RISING MAIN ALLOCATION
- FUTURE RECYCLED STORMWATER WATER ALLOCATION

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	1 : 250 @ A1
Grid	GDA2020
Height Datum	AHD
Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title
UTILITIES PLAN SHEET 8

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

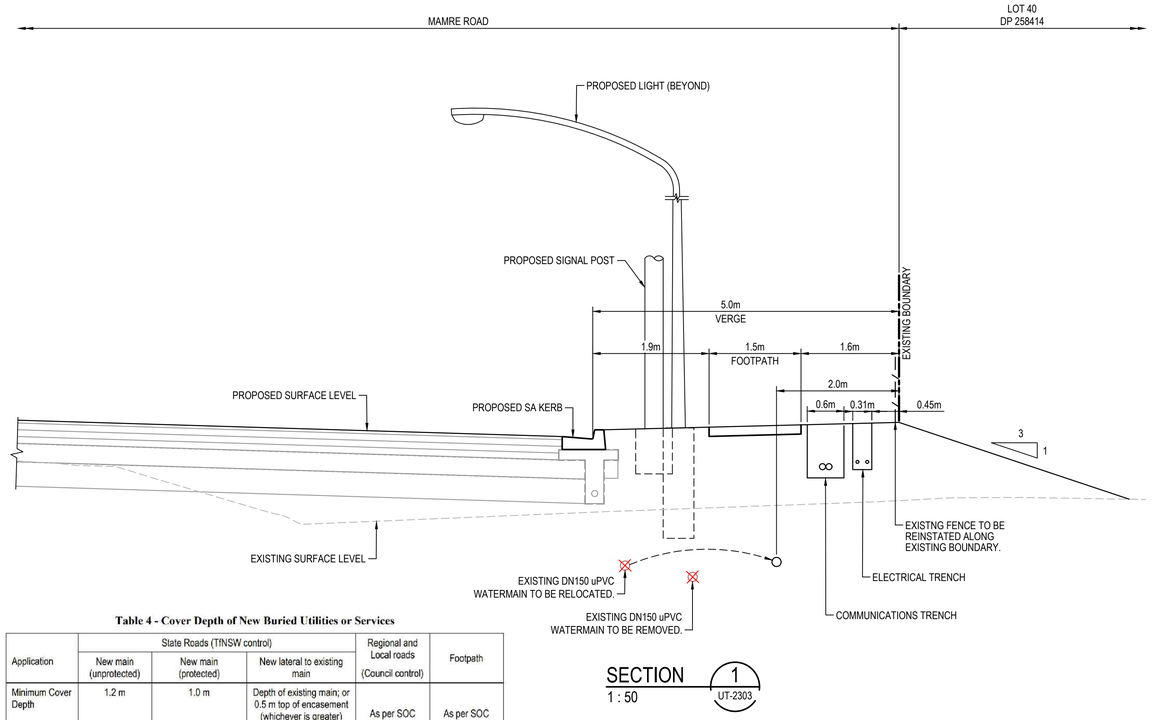
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: UT-2308

Issue: 2

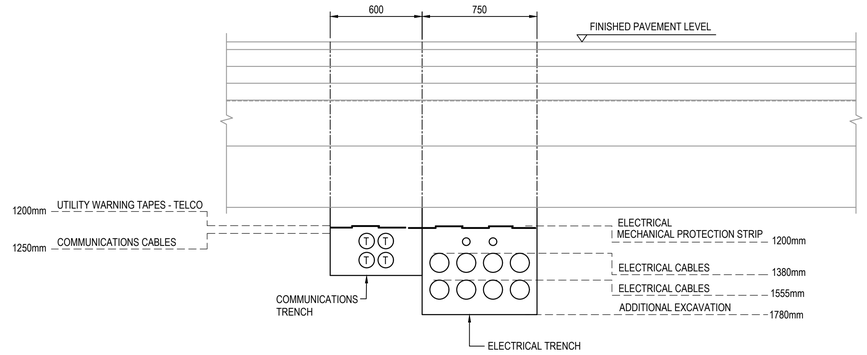
Date Plotted: 15 Apr 2024 - 03:07PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-05-UT-2308.dwg



SECTION 1 (UT-2303)
1 : 50

Table 4 - Cover Depth of New Buried Utilities or Services

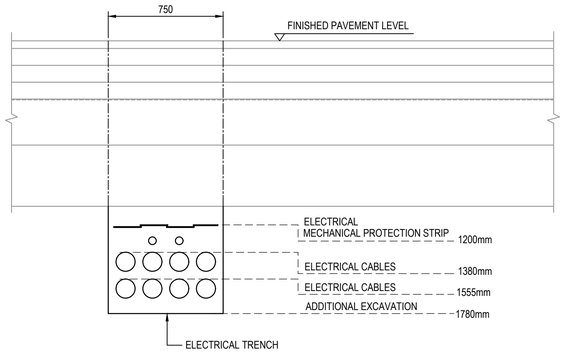
Application	State Roads (TfNSW control)			Regional and Local roads (Council control)	Footpath
	New main (unprotected)	New main (protected)	New lateral to existing main		
Minimum Cover Depth	1.2 m	1.0 m	Depth of existing main; or 0.5 m top of encasement (whichever is greater)	As per SOC Guide	As per SOC Guide
Protection Requirements	Nil	Sleeved within concrete encasement	Sleeved within concrete encasement		



TYPICAL SERVICES TRENCH DETAIL ELECTRICAL AND COMMUNICATINS ROAD CROSSING

SCALE 1:20

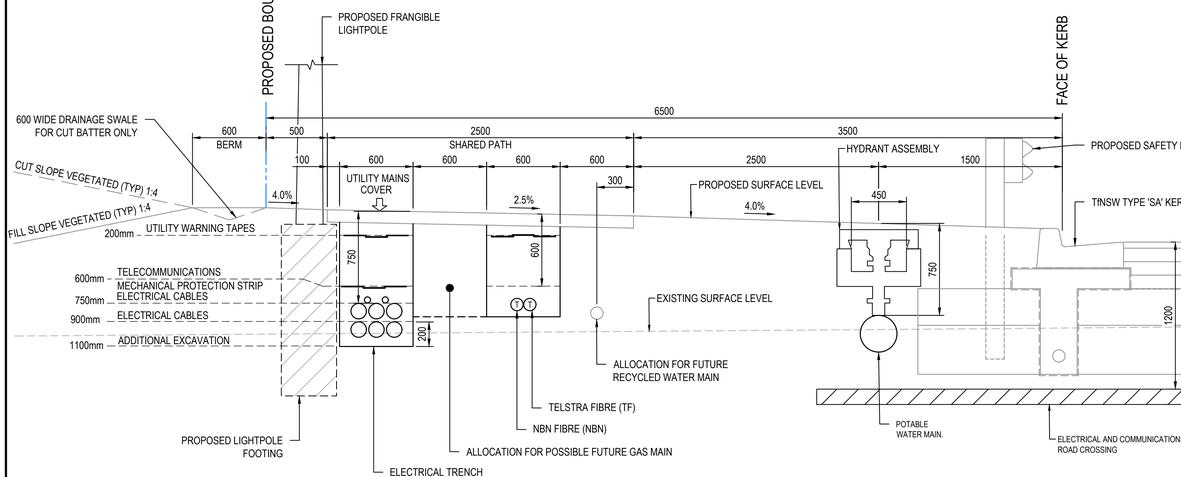
NOTE
FINAL NUMBER, SIZING AND SPACING OF CONDUITS AND PROTECTION STRIPS SUBJECT TO CERTIFIED ELECTRICAL AND COMMUNICATIONS AUTHORITY DOCUMENTATION.



TYPICAL SERVICES TRENCH DETAIL ELECTRICAL ROAD CROSSING

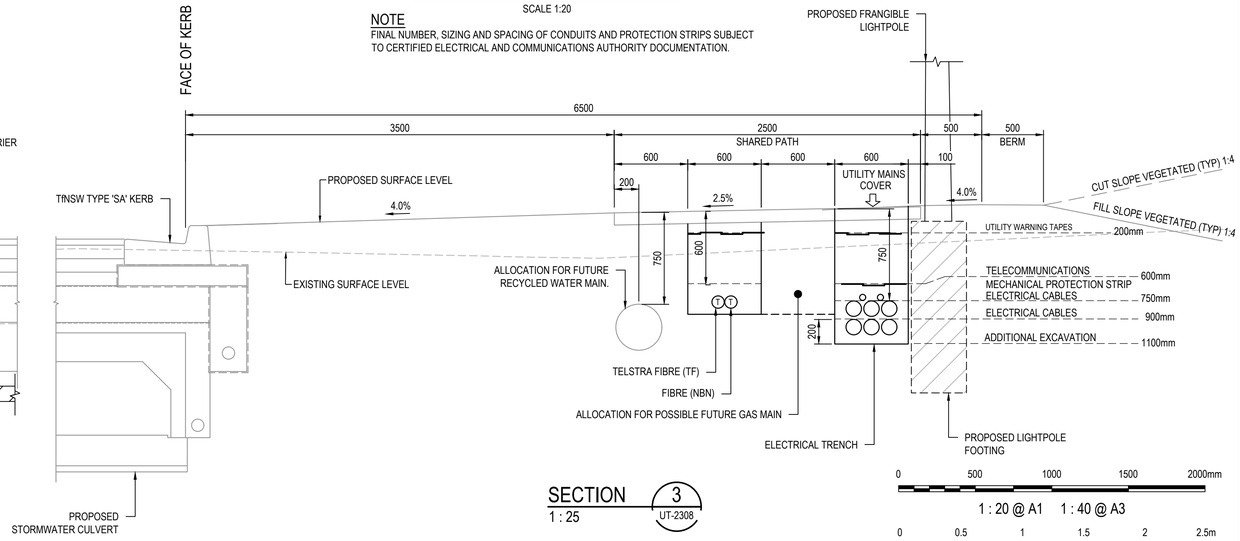
SCALE 1:20

NOTE
FINAL NUMBER, SIZING AND SPACING OF CONDUITS AND PROTECTION STRIPS SUBJECT TO CERTIFIED ELECTRICAL AND COMMUNICATIONS AUTHORITY DOCUMENTATION.



SECTION 2 (UT-2308)
1 : 25

TYPICAL 6.5m VERGE DETAIL (NORTHERN SIDE OF ABBOTTS RD)



SECTION 3 (UT-2308)
1 : 25

TYPICAL 6.5m VERGE DETAIL (SOUTHERN SIDE OF ABBOTTS RD)

0 500 1000 1500 2000mm
1 : 20 @ A1 1 : 40 @ A3

0 0.5 1 1.5 2 2.5m
1 : 25 @ A1 1 : 50 @ A3

0 1 2 3 4 5m
1 : 50 @ A1 1 : 100 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	AS SHOWN
Grid	GDA2020
Height Datum	AHD
Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

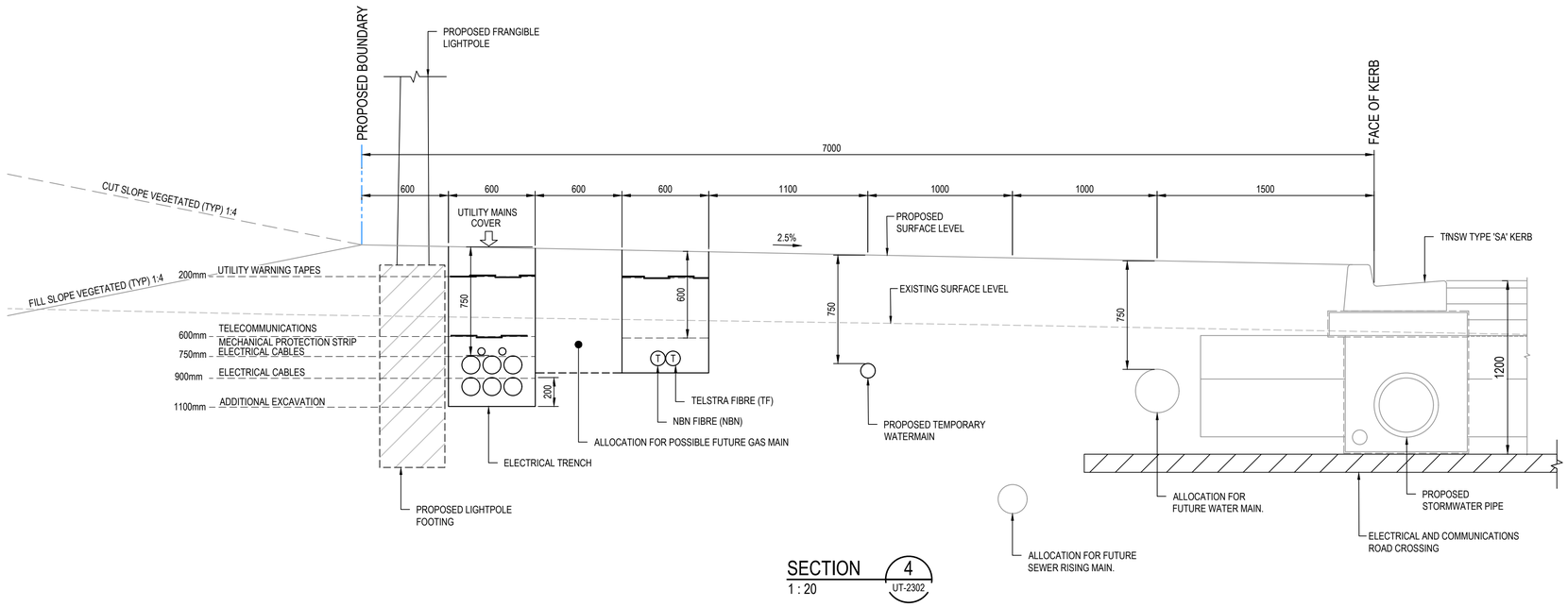
Title
UTILITIES TYPICAL SECTIONS SHEET 1

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

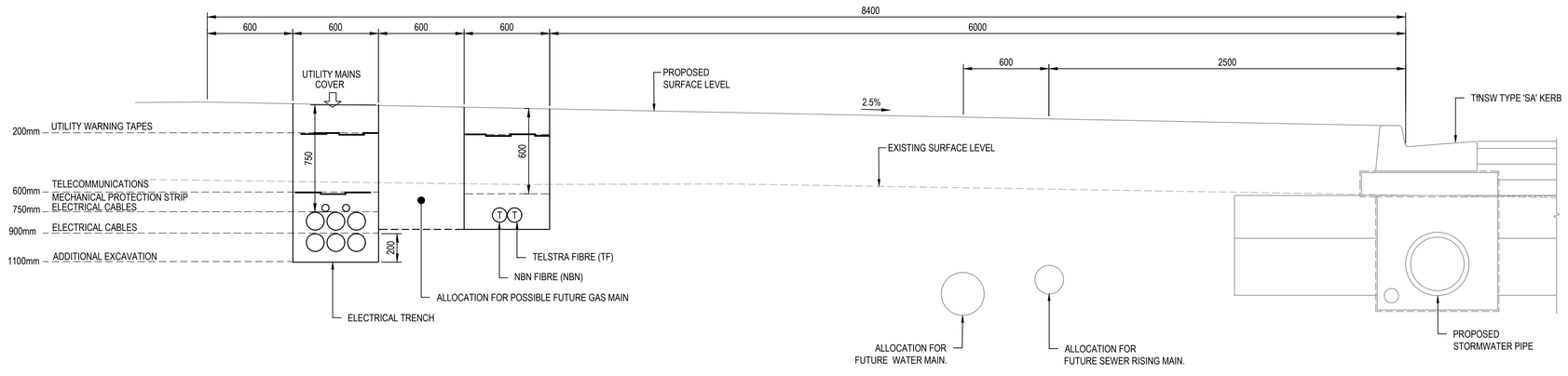
Project - Drawing No.: UT-2311
Issue: 2

Date Plotted: 13 Apr 2024 - 03:18PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-05-UT-2311.dwg



SECTION 4 (UT-2302)
1 : 20

TYPICAL 7.0m VERGE DETAIL (EASTERN SIDE OF MAMRE RD)



SECTION 5 (UT-2303)
1 : 20

TYPICAL 8.4m VERGE DETAIL (EASTERN SIDE OF MAMRE RD)

0 500 1000 1500 2000mm

1 : 20 @ A1 1 : 40 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	AS SHOWN	Drawn	GB
		Designed	GB
Grid	GDA2020	Checked	AL
Height Datum	AHD	Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title
UTILITIES TYPICAL SECTIONS SHEET 2

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

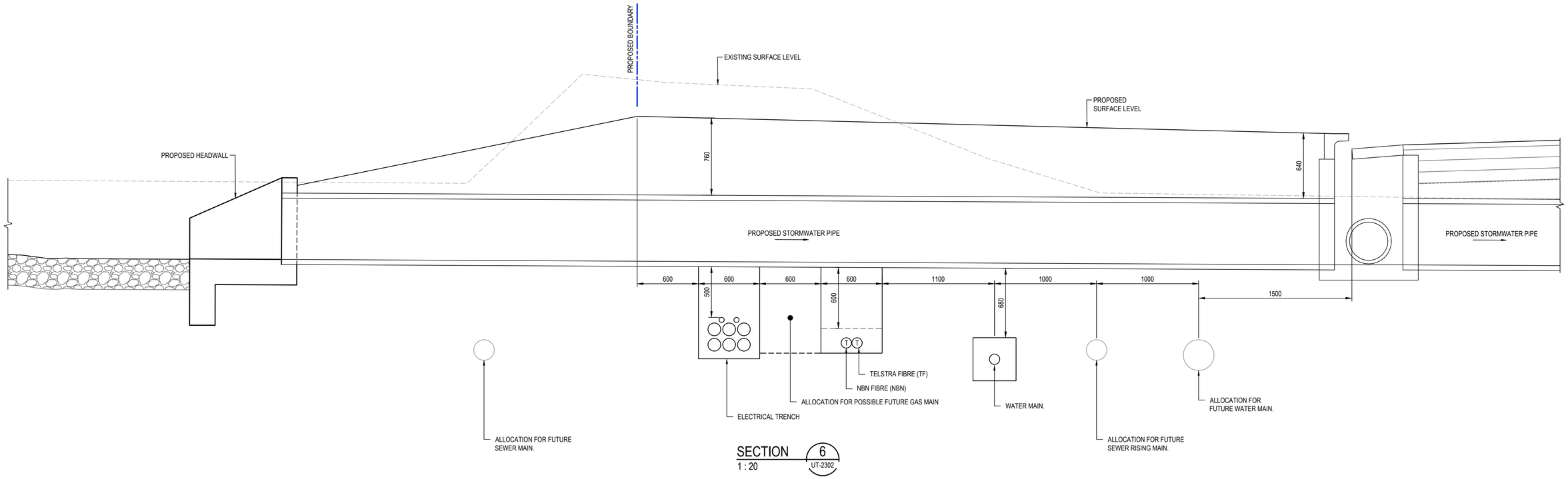
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

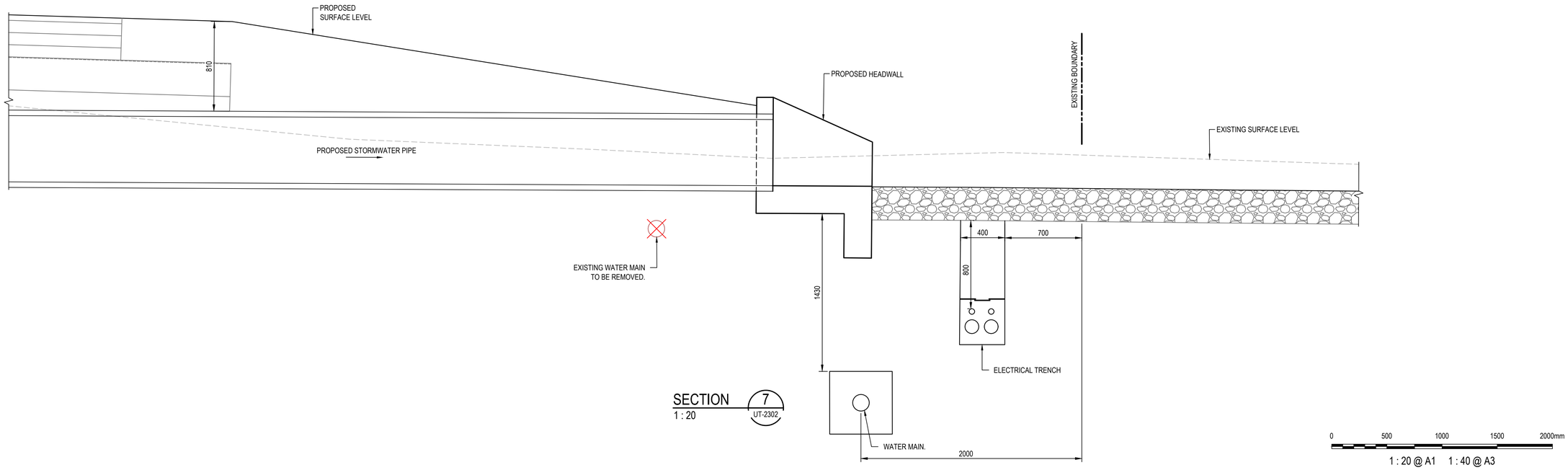
Project - Drawing No.: UT-2312

Issue: 2

Date Plotted: 13 Apr 2024 - 03:18PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-05-UT-2312.dwg



SECTION 6
1 : 20
UT-2302



SECTION 7
1 : 20
UT-2302

0 500 1000 1500 2000mm
1 : 20 @ A1 1 : 40 @ A3

Issue	Description	Date
1	ISSUED FOR 100% DESIGN	15-04-24

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	AS SHOWN	Drawn	GB
		Designed	GB
Grid	GDA2020	Checked	AL
Height Datum	AHD	Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title
UTILITIES
TYPICAL SECTIONS
SHEET 3

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
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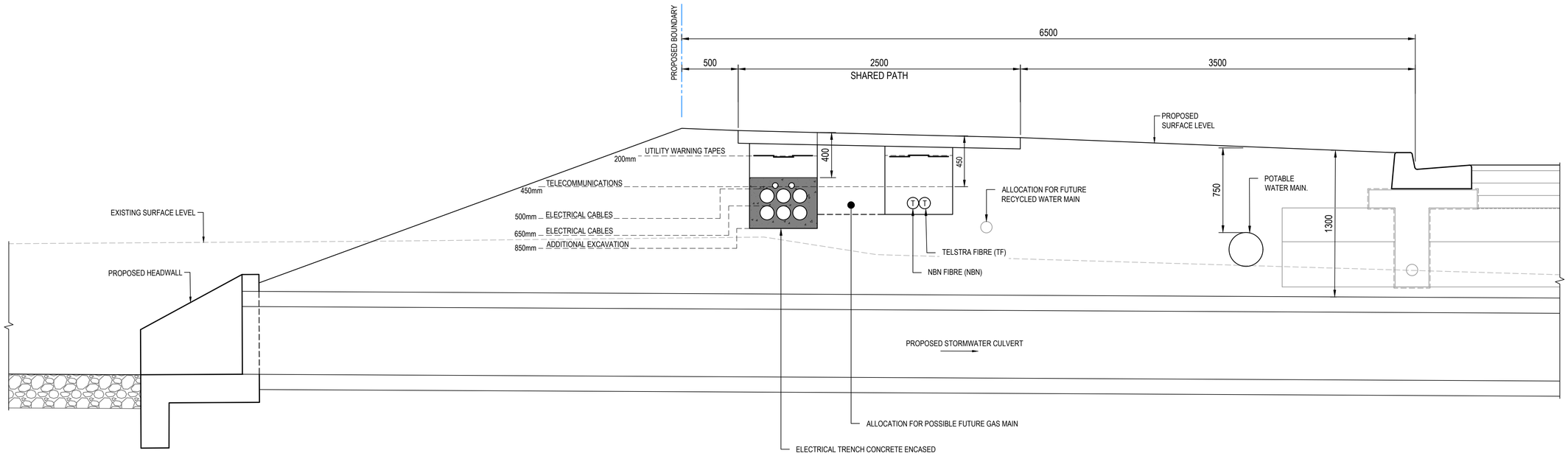
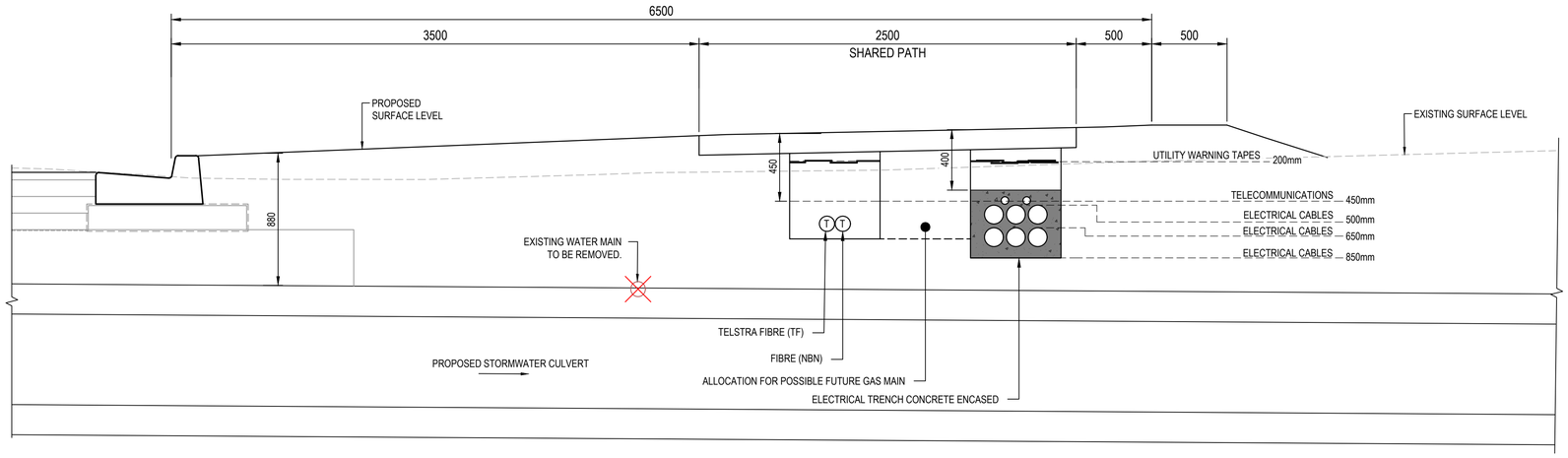
A1

Project - Drawing No.: UT-2313
Issue: 1

Date Plotted: 13 Apr 2024 - 03:18PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-05-UT-2313.dwg



SECTION 8
1 : 20
UT-2303



SECTION 9
1 : 20
UT-2303

0 500 1000 1500 2000mm
1 : 20 @ A1 1 : 40 @ A3

Issue	Description	Date
1	ISSUED FOR 100% DESIGN	15-04-24

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales		Drawn	GB
	AS SHOWN	Designed	GB
Grid	GDA2020	Checked	AL
Height Datum	AHD	Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

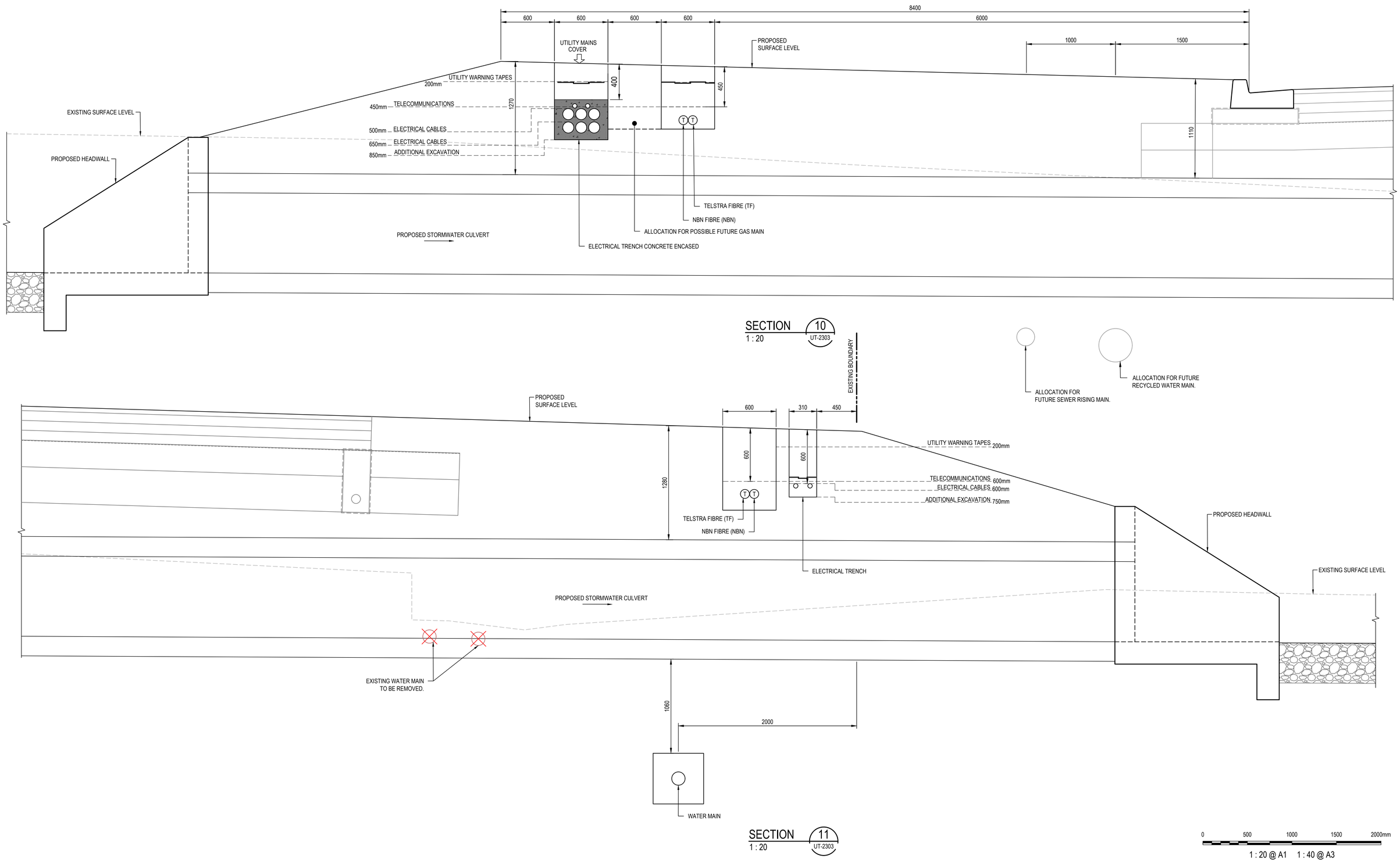
Title
UTILITIES
TYPICAL SECTIONS
SHEET 4

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Project - Drawing No.
UT-2314
Issue
1

Date Plotted: 13 Apr 2024 - 03:18PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-05-UT-2314.dwg



SECTION 10
1 : 20
UT-2303

SECTION 11
1 : 20
UT-2303

0 500 1000 1500 2000mm
1 : 20 @ A1 1 : 40 @ A3

Issue	Description	Date
1	ISSUED FOR 100% DESIGN	15-04-24

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: AS SHOWN
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	GB
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: UTILITIES TYPICAL SECTIONS SHEET 5

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

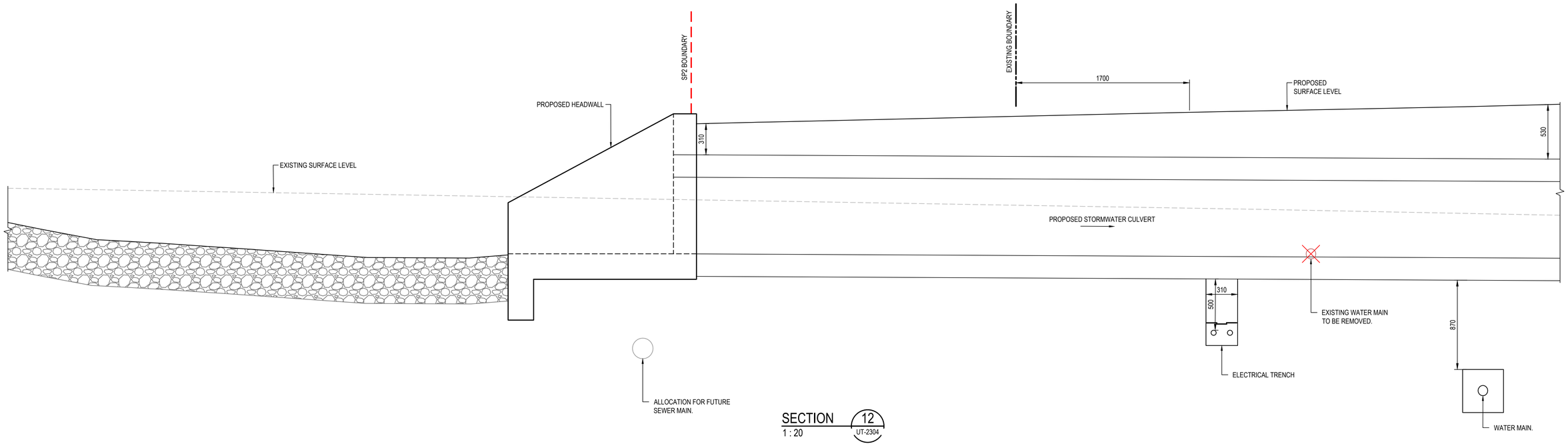
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

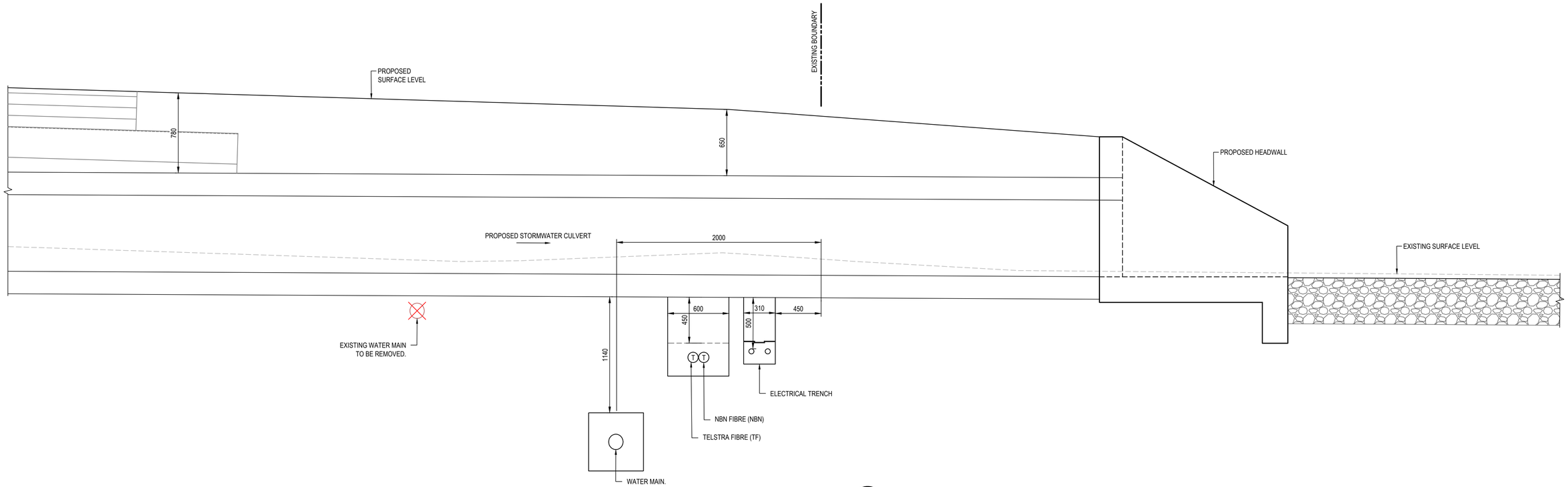
Project - Drawing No.: UT-2315

Issue: 1

Date Plotted: 13 Apr 2024 - 03:18PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-05-UT-2315.dwg



SECTION 12
1 : 20
UT-2304



SECTION 13
1 : 20
UT-2304

0 500 1000 1500 2000mm
1 : 20 @ A1 1 : 40 @ A3

Issue	Description	Date
1	ISSUED FOR 100% DESIGN	15-04-24

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	AS SHOWN	Drawn	GB
		Designed	GB
Grid	GDA2020	Checked	AL
Height Datum	AHD	Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title
UTILITIES TYPICAL SECTIONS SHEET 6

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

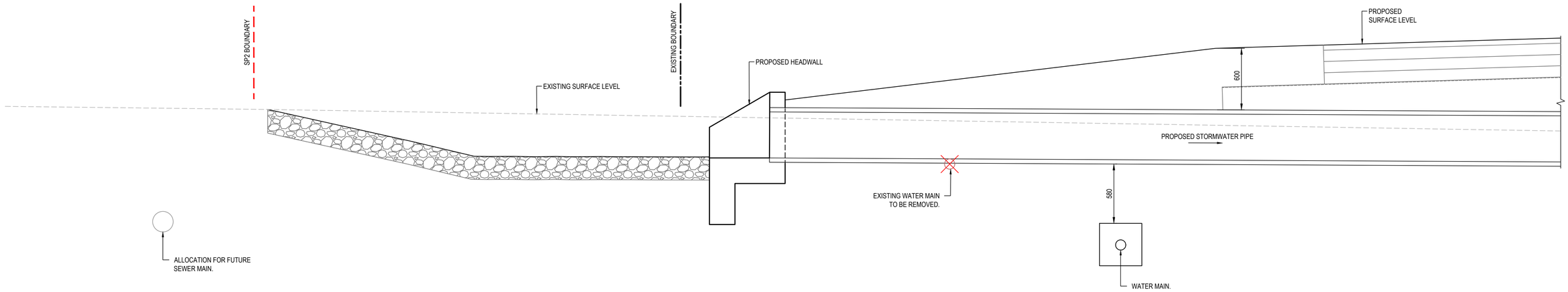
Status
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

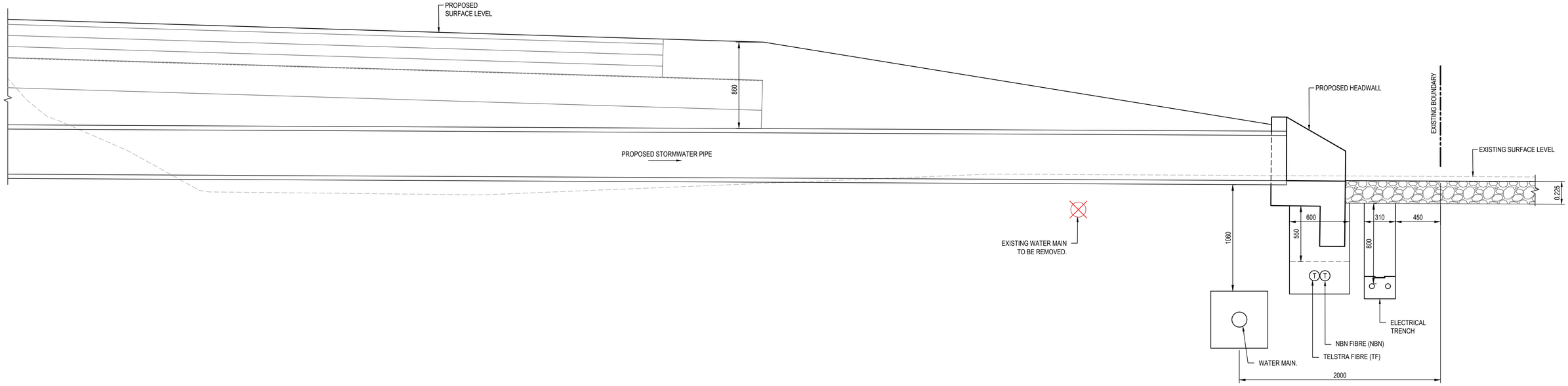
Project - Drawing No.
UT-2316

Issue
1

Date Plotted: 13 Apr 2024 - 03:18PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-05-UT-2316.dwg



SECTION 14
1 : 20 UT-2304



SECTION 15
1 : 20 UT-2304

0 500 1000 1500 2000mm
1 : 20 @ A1 1 : 40 @ A3

Issue	Description	Date
1	ISSUED FOR 100% DESIGN	15-04-24

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	AS SHOWN	Drawn	GB
		Designed	GB
Grid	GDA2020	Checked	AL
Height Datum	AHD	Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title
UTILITIES
TYPICAL SECTIONS
SHEET 7

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

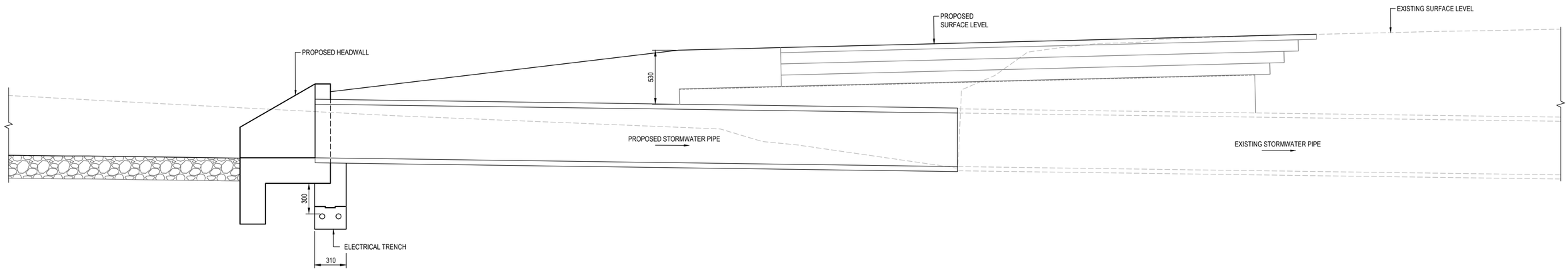
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: UT-2317

Issue: 1

Date Plotted: 13 Apr 2024 - 03:18PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-05-UT-2317.dwg



SECTION 16
1 : 20 UT-2306

0 500 1000 1500 2000mm

1 : 20 @ A1 1 : 40 @ A3

Issue	Description	Date
1	ISSUED FOR 100% DESIGN	15-04-24

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	AS SHOWN	Drawn	GB
		Designed	GB
Grid	GDA2020	Checked	AL
Height Datum	AHD	Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title
UTILITIES
TYPICAL SECTIONS
SHEET 8

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Project - Drawing No.: UT-2318
Issue: 1

Date Plotted: 13 Apr 2024 - 03:18PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-05-UT-2318.dwg

LOT 8
DP253503

LOT 10
DP1296455

LOT 38
DP258414

LOT 39
DP258414

MAMRE ROAD

DRAINAGE SWALE 01

DRAINAGE SWALE 02

DRAINAGE SWALE 03

M9-1

M9-2

Ø (3x)450

EXISTING PIPES AND HEADWALLS TO BE REMOVED

MC01

MC02

LIMIT OF WORKS

FOR CONTINUATION REFER DRAWING SM-2402

LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED DRAINAGE SWALE
- PROPOSED FENCE
- STORMWATER PIT
- STORMWATER HEADWALL
- STORMWATER PIPE
- STORMWATER PIT REFERENCE NUMBER (A-1)
- SUBSURFACE DRAINAGE
- EXISTING STORMWATER TO BE REMOVED
- SCOUR PROTECTION

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 250 @ A1
Grid: GDA2020
Height Datum: AHD

Drawn	GB
Designed	DG
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: STORMWATER MANAGEMENT PLAN SHEET 1

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: SM-2401

Issue: 2

Date Plotted: 13 Apr 2024 - 03:19PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-06-SM-2401.dwg

LOT 10
DP1296455

LOT 39
DP258414

LOT 40
DP258414

MAMRE ROAD

DRAINAGE SWALE 03

DRAINAGE SWALE 04

DRAINAGE SWALE 16

DRAINAGE SWALE 17

XD28-1

XD28-2

XD28-3

M5-4

M5-3

M5-2

Ø375

Ø(4x)600

EXISTING PIPES AND HEADWALLS TO BE REMOVED.

MC01

MC02

SAG 284.489

SAG 275.071

TC 327.131

FOR CONTINUATION REFER DRAWING SM-2401

FOR CONTINUATION REFER DRAWING SM-2403

LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- EXISTING CONTOUR 43.00
- PROPOSED CONTOUR 43.00
- PROPOSED DRAINAGE SWALE
- PROPOSED FENCE
- STORMWATER PIT
- STORMWATER HEADWALL
- STORMWATER PIPE
- STORMWATER PIT REFERENCE NUMBER A-1
- SUBSURFACE DRAINAGE
- EXISTING STORMWATER TO BE REMOVED
- SCOUR PROTECTION

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 250 @ A1
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	DG
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: STORMWATER MANAGEMENT PLAN SHEET 2

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: SM-2402

Issue: 2

Date Plotted: 13 Apr 2024 - 03:19PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-06-SM-2402.dwg

FOR CONTINUATION REFER DRAWING SM-2408

FOR CONTINUATION REFER DRAWING SM-2402

FOR CONTINUATION REFER DRAWING SM-2404

LOT 10
DP1296455

LOT 2
DP250002

LOT 40
DP258414

ABBOTTS ROAD

MAMRE ROAD

MAMRE ROAD

M1A-1
M1A-2
M1-4
M2-1
M2-2
M2-3
M2-4
M2-5
M2-6
M2B-1
M2C-1
M2C-2
M2C-3
M4-1
M4-2
M4-3
M5-1
M8-1
XD29-1
XD29-2

1200x600
1200x600
(2x)2100x600
(2x) 2400x900

Ø450
Ø375

SAG
24.855
SAG
24.577

CREST 512.676
CREST 513.734

SCOUR PROTECTION
D_{50}=300mm
THICKNESS = 450mm

EXISTING BOX CULVERT AND
HEADWALLS TO BE REMOVED.

EXISTING PIPES AND
HEADWALLS TO BE REMOVED.

DRAINAGE
SWALE 17

DRAINAGE
SWALE 13

FUTURE STORMWATER
DRAINAGE CHANNEL

MAKE SMOOTH CONNECTION
WITH EXISTING SURFACE LEVEL.

FOR CONTINUATION REFER RIGHT

FOR CONTINUATION REFER INSET 'A'

INSET 'A'
1 : 250

LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED DRAINAGE SWALE
- PROPOSED FENCE
- STORMWATER PIT
- STORMWATER HEADWALL
- STORMWATER PIPE
- STORMWATER PIT REFERENCE NUMBER
- SUBSURFACE DRAINAGE
- EXISTING STORMWATER TO BE REMOVED
- SCOUR PROTECTION

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client

FRASERS PROPERTY
ESR
Stockland
FIFECAPITAL

Scales: 1 : 250 @ A1
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	DG
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: STORMWATER MANAGEMENT PLAN SHEET 3

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

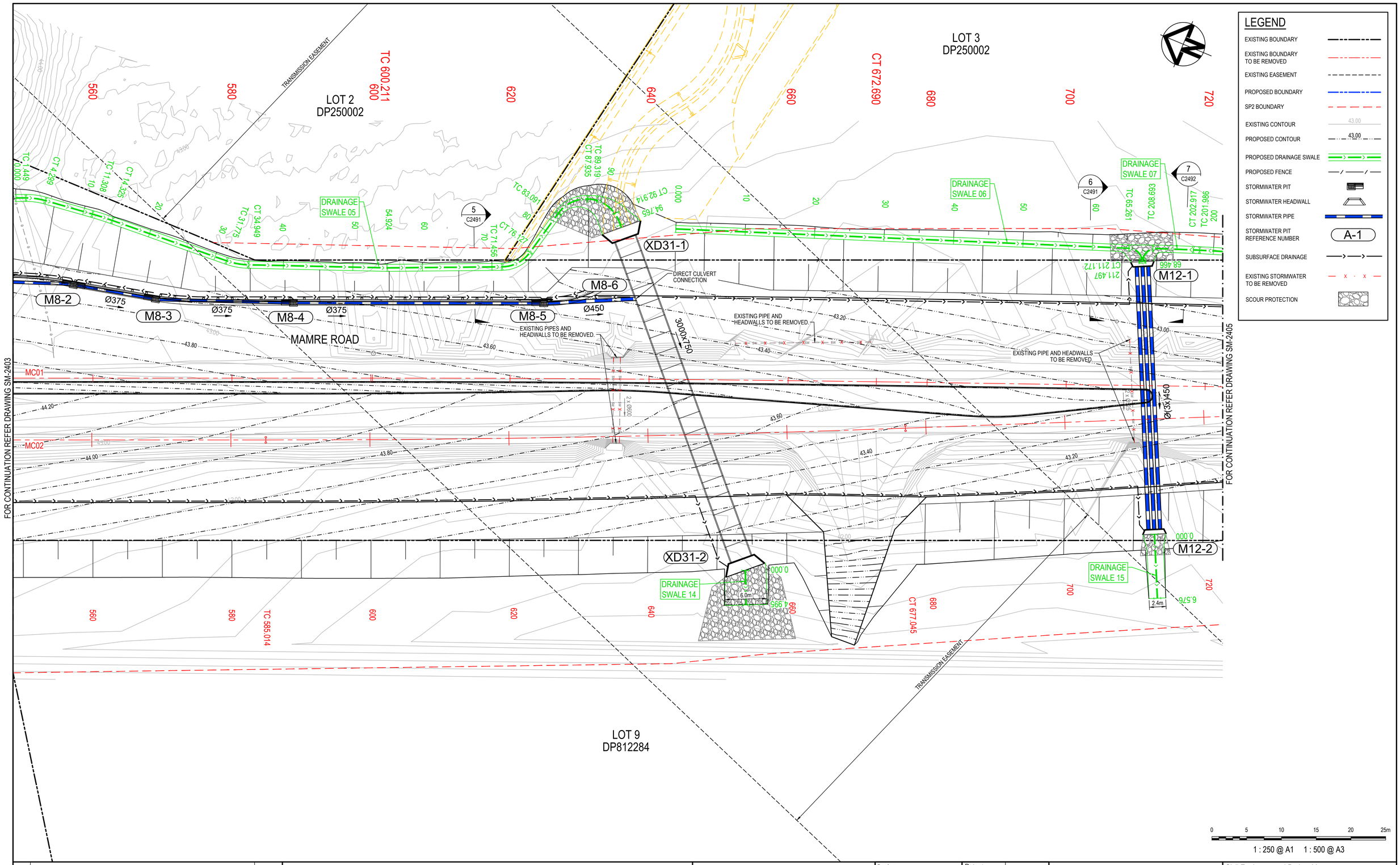
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: SM-2403

Issue: 2

Date Plotted: 13 Apr 2024 - 03:20PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-06-SM-2403.dwg



LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- EXISTING CONTOUR 43.00
- PROPOSED CONTOUR 43.00
- PROPOSED DRAINAGE SWALE
- PROPOSED FENCE
- STORMWATER PIT
- STORMWATER HEADWALL
- STORMWATER PIPE
- STORMWATER PIT REFERENCE NUMBER A-1
- SUBSURFACE DRAINAGE
- EXISTING STORMWATER TO BE REMOVED
- SCOUR PROTECTION

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	1 : 250 @ A1
Grid	GDA2020
Height Datum	AHD
Drawn	GB
Designed	DG
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

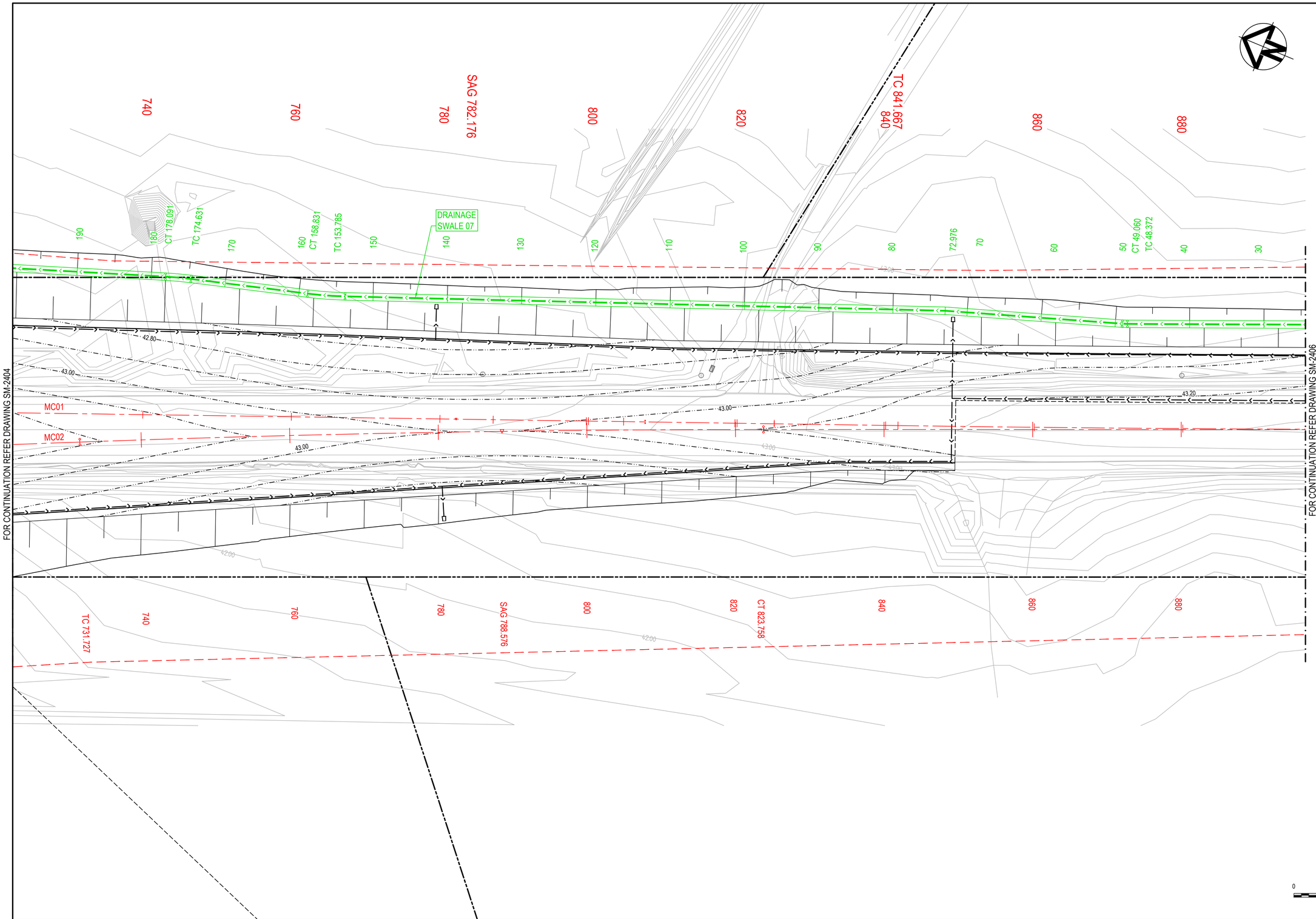
Title
STORMWATER MANAGEMENT PLAN SHEET 4

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Project - Drawing No.: SM-2404
Issue: 2

Date Plotted: 13 Apr 2024 - 03:20PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-06-SM-2404.dwg



LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED DRAINAGE SWALE
- PROPOSED FENCE
- STORMWATER PIT
- STORMWATER HEADWALL
- STORMWATER PIPE
- STORMWATER PIT REFERENCE NUMBER (A-1)
- SUBSURFACE DRAINAGE
- EXISTING STORMWATER TO BE REMOVED
- SCOUR PROTECTION

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	1 : 250 @ A1
Grid	GDA2020
Height Datum	AHD
Drawn	GB
Designed	DG
Checked	AL
Approved	

TfNSW REGISTRATION No. DS2023/001186

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: STORMWATER MANAGEMENT PLAN SHEET 5

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

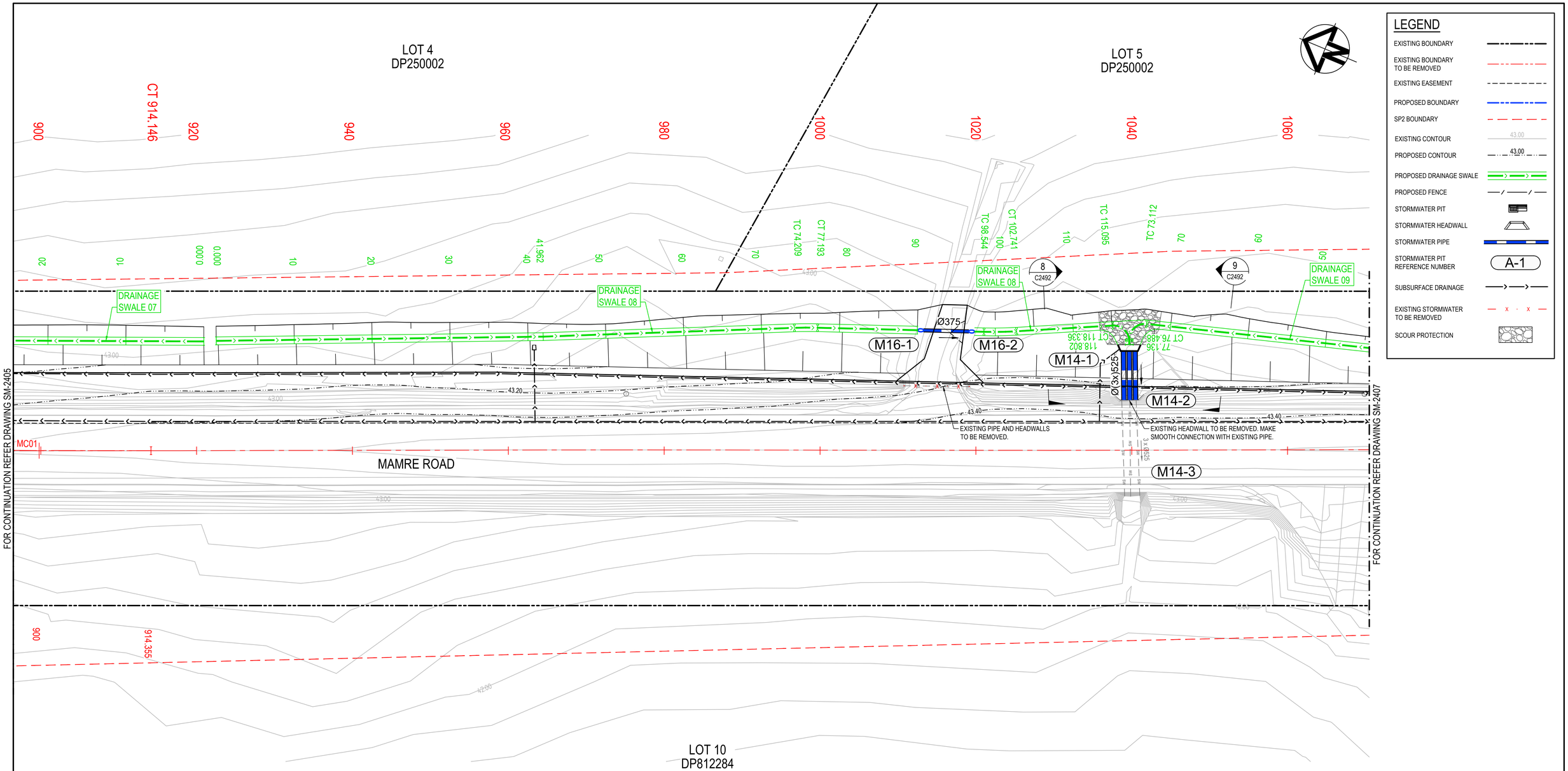
Status: FOR APPROVAL — NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: SM-2405

Issue: 2

Date Plotted: 13 Apr 2024 - 03:21PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-06-SM-2405.dwg



LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- EXISTING CONTOUR (43.00)
- PROPOSED CONTOUR (43.00)
- PROPOSED DRAINAGE SWALE
- PROPOSED FENCE
- STORMWATER PIT
- STORMWATER HEADWALL
- STORMWATER PIPE
- STORMWATER PIT REFERENCE NUMBER (A-1)
- SUBSURFACE DRAINAGE
- EXISTING STORMWATER TO BE REMOVED
- SCOUR PROTECTION

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	1 : 250 @ A1
Grid	GDA2020
Height Datum	AHD
Drawn	GB
Designed	DG
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title
STORMWATER MANAGEMENT PLAN SHEET 6

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: SM-2406

Issue: 2

Date Plotted: 13 Apr 2024 - 03:22PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-06-SM-2406.dwg

LOT 5
DP250002

LOT 6
DP250002

LOT 10
DP812284

1080 1100 1120 1140 1160 1180 1200 1220 1228.761

CT 43.842 TC 40.210 40 30 20 10 0.000

0.000 10 CT 19.716 TC 17.209 20 30 CT 38.753 TC 35.660 40 50 TC 51.125 TC 49.719

DRAINAGE SWALE 09

DRAINAGE SWALE 10

DRAINAGE SWALE 11

DRAINAGE SWALE 12

10 C2492

11 C2492

12 C2492

M15-1

M15-2

M15-3

CT 52.397 52.953 2x2100x1200 CT 17.461 17.923

TC 8.932 CT 9.975 10 0.000 0.000 10 20 23.811 30 34.854

43.40

EXISTING HEADWALL TO BE REMOVED. MAKE SMOOTH CONNECTION WITH EXISTING PIPE.

EXISTING PIPE AND HEADWALLS TO BE REMOVED.

MC01

MAMRE ROAD

2 x 3000

LIMIT OF WORKS

43.00

42.00

42.00

FOR CONTINUATION REFER DRAWING SM-2406

LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- EXISTING CONTOUR 43.00
- PROPOSED CONTOUR 43.00
- PROPOSED DRAINAGE SWALE
- PROPOSED FENCE
- STORMWATER PIT
- STORMWATER HEADWALL
- STORMWATER PIPE
- STORMWATER PIT REFERENCE NUMBER A-1
- SUBSURFACE DRAINAGE
- EXISTING STORMWATER TO BE REMOVED
- SCOUR PROTECTION

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 250 @ A1
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	DG
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: STORMWATER MANAGEMENT PLAN SHEET 7

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

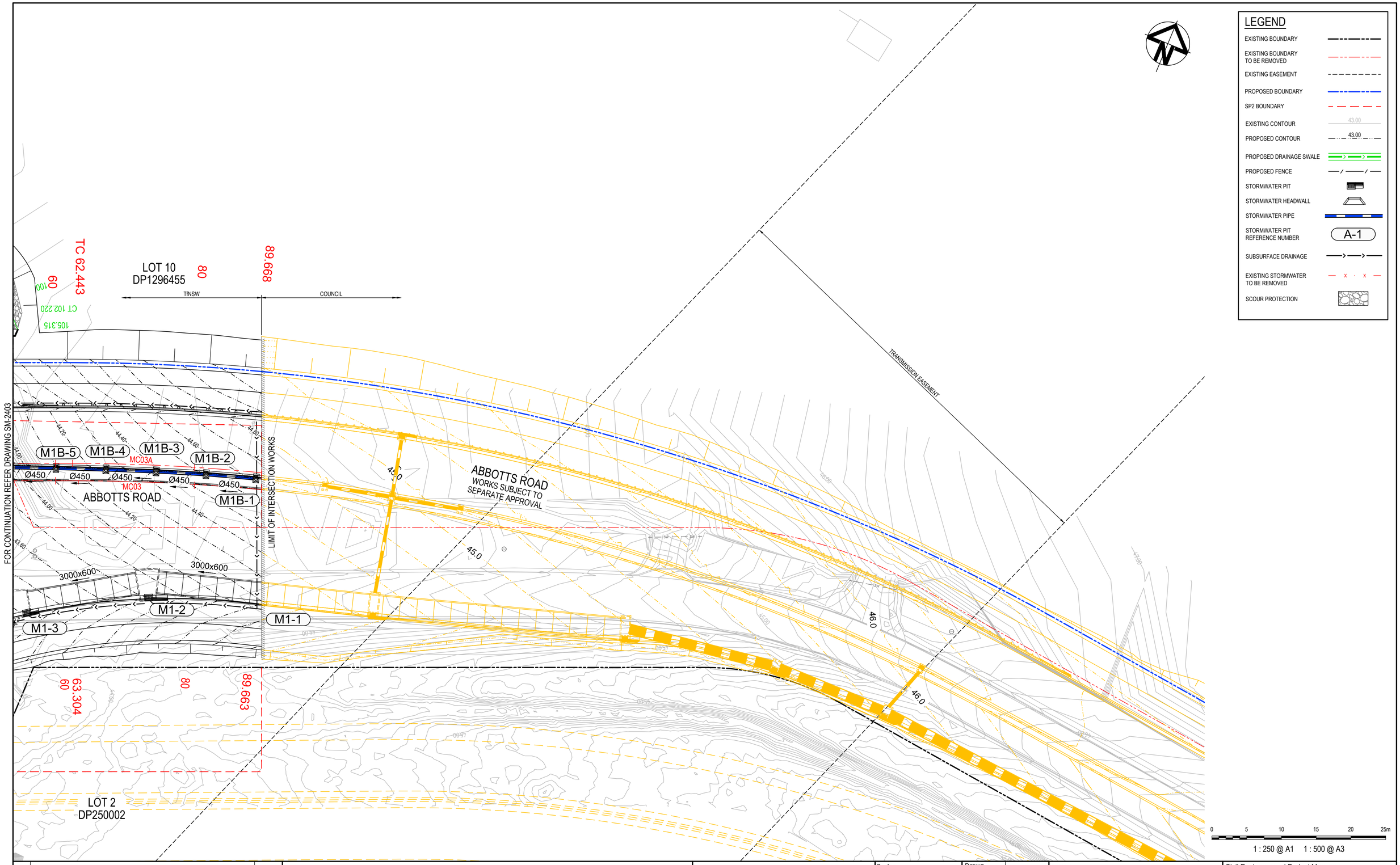
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: SM-2407

Issue: 2

Date Plotted: 13 Apr 2024 - 03:22PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-06-SM-2407.dwg



Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client

FRASERS PROPERTY · ESR · Stockland · FIFECAPITAL

Scales	1 : 250 @ A1
Grid	GDA2020
Height Datum	AHD
Drawn	GB
Designed	DG
Checked	AL
Approved	

TfNSW REGISTRATION No.

DS2023/001186

Project

MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title

STORMWATER MANAGEMENT PLAN SHEET 8

Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

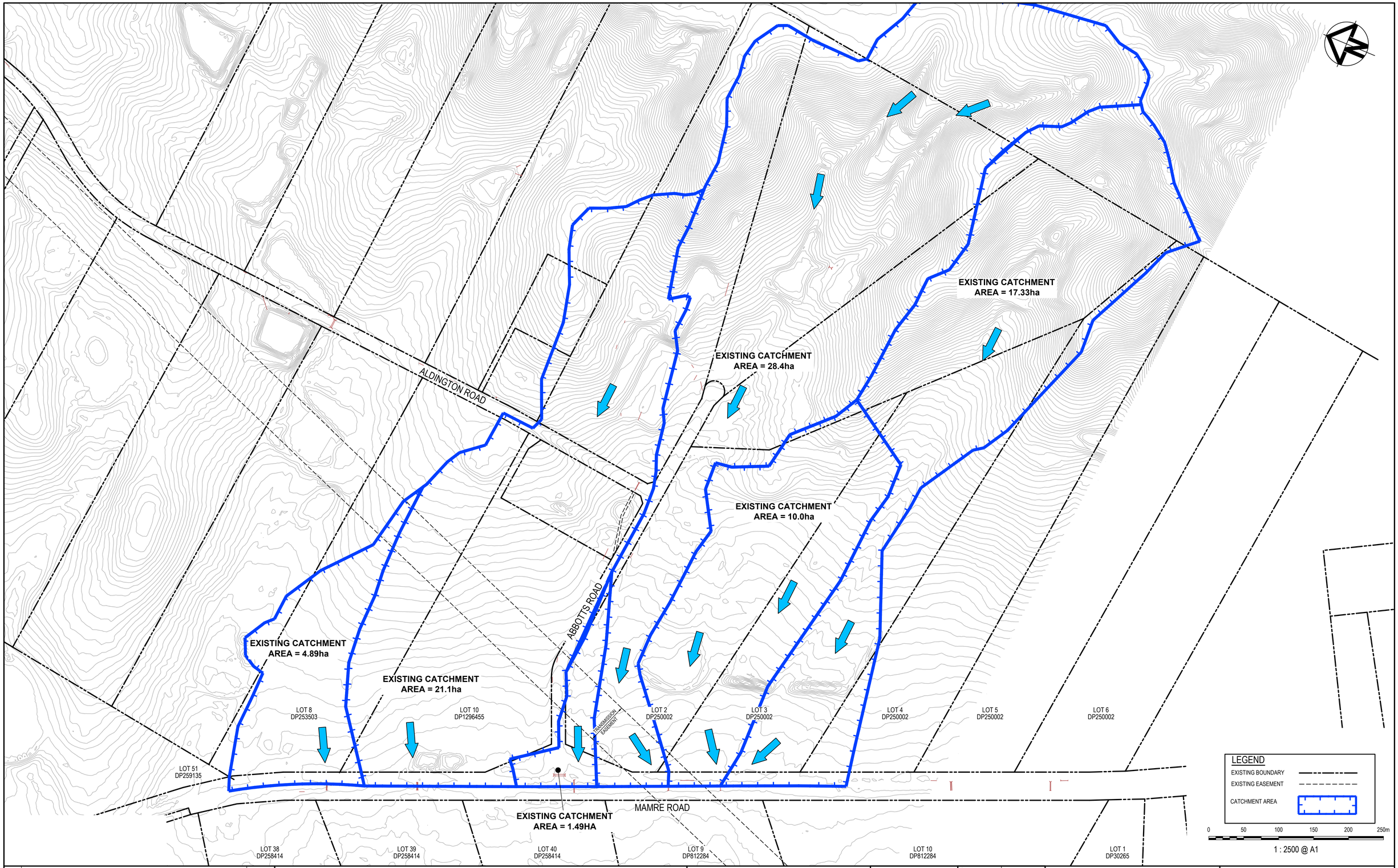
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: SM-2408

Issue: 2

Date Plotted: 13 Apr 2024 - 03:23PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-06-SM-2408.dwg



Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client

FRASERS PROPERTY · ESR · Stockland · FIFECAPITAL

Scales	1 : 2500 @ A1	Drawn	GB
		Designed	DG
Grid	GDA2020	Checked	AL
Height Datum	AHD	Approved	

TfNSW REGISTRATION No.

DS2023/001186

Project

MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title

PRE-DEVELOPED STORMWATER CATCHMENT PLAN

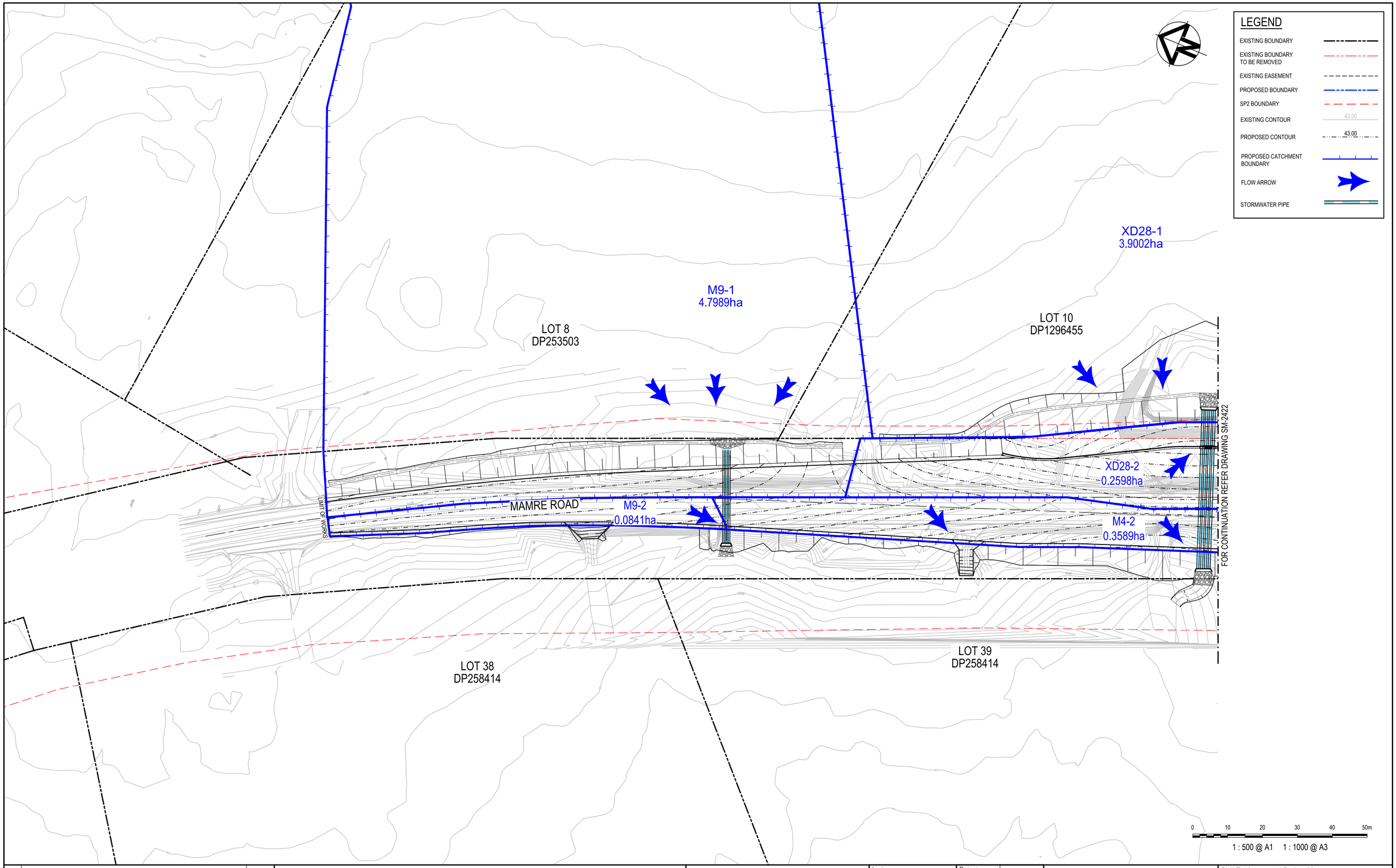
Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status		
FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION		A1
Project - Drawing No.		Issue
SM-2411		2

Date Plotted: 13 Apr 2024 - 03:23PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-06-SM-2411.dwg



Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client

FRASERS PROPERTY · ESR · Stockland · FIFECAPITAL

Scales: 1 : 500 @ A1

Grid: GDA2020

Height Datum: AHD

Drawn	GB
Designed	DG
Checked	AL
Approved	

TfNSW REGISTRATION No.

DS2023/001186

Project

MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title

STORMWATER CATCHMENT PLAN SHEET 1

Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

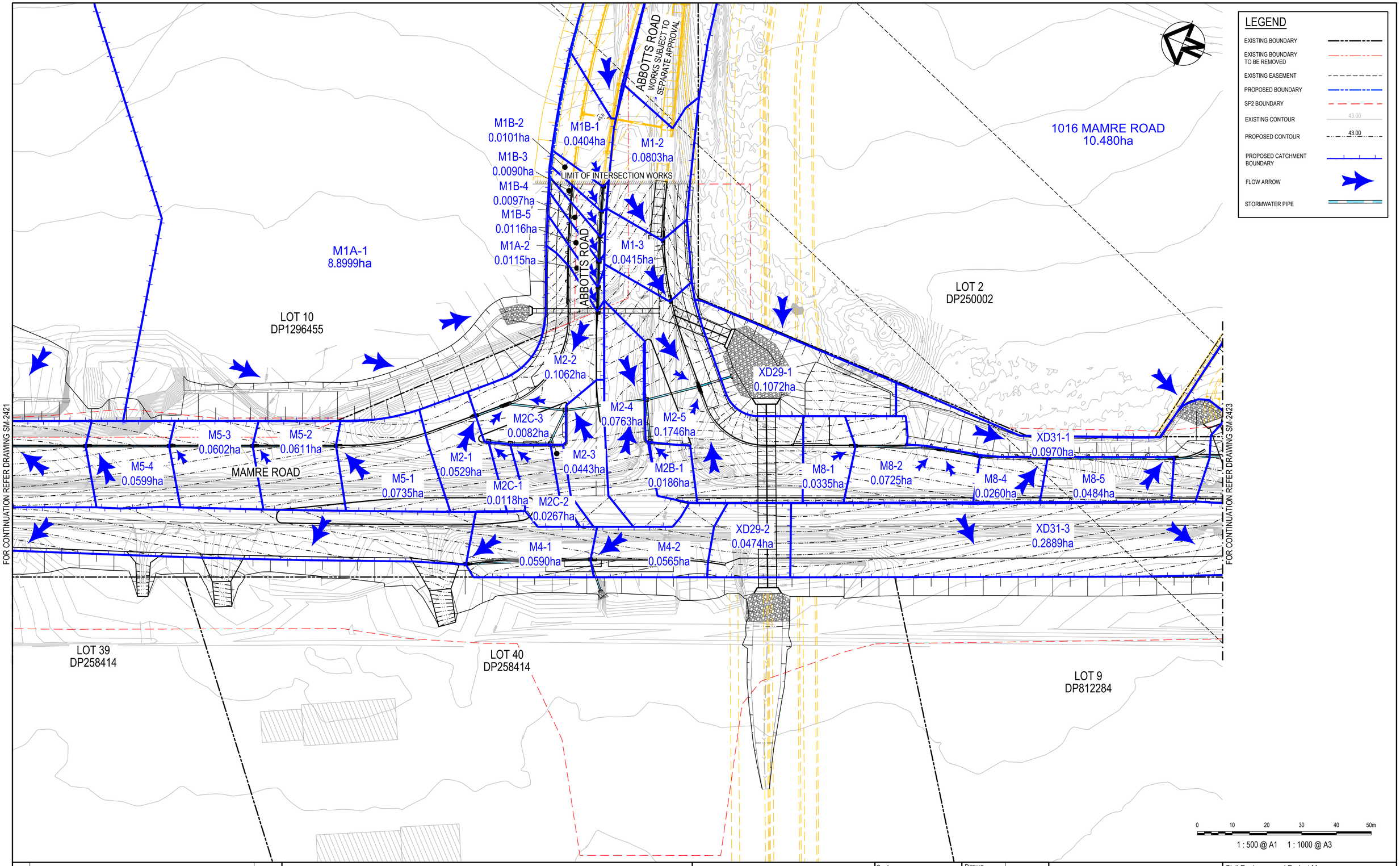
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: SM-2421

Issue: 2

Date Plotted: 13 Apr 2024 - 03:26PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-06-SM-2421.dwg



LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- EXISTING CONTOUR 43.00
- PROPOSED CONTOUR 43.00
- PROPOSED CATCHMENT BOUNDARY
- FLOW ARROW
- STORMWATER PIPE

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 500 @ A1
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	DG
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: STORMWATER CATCHMENT PLAN SHEET 2

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

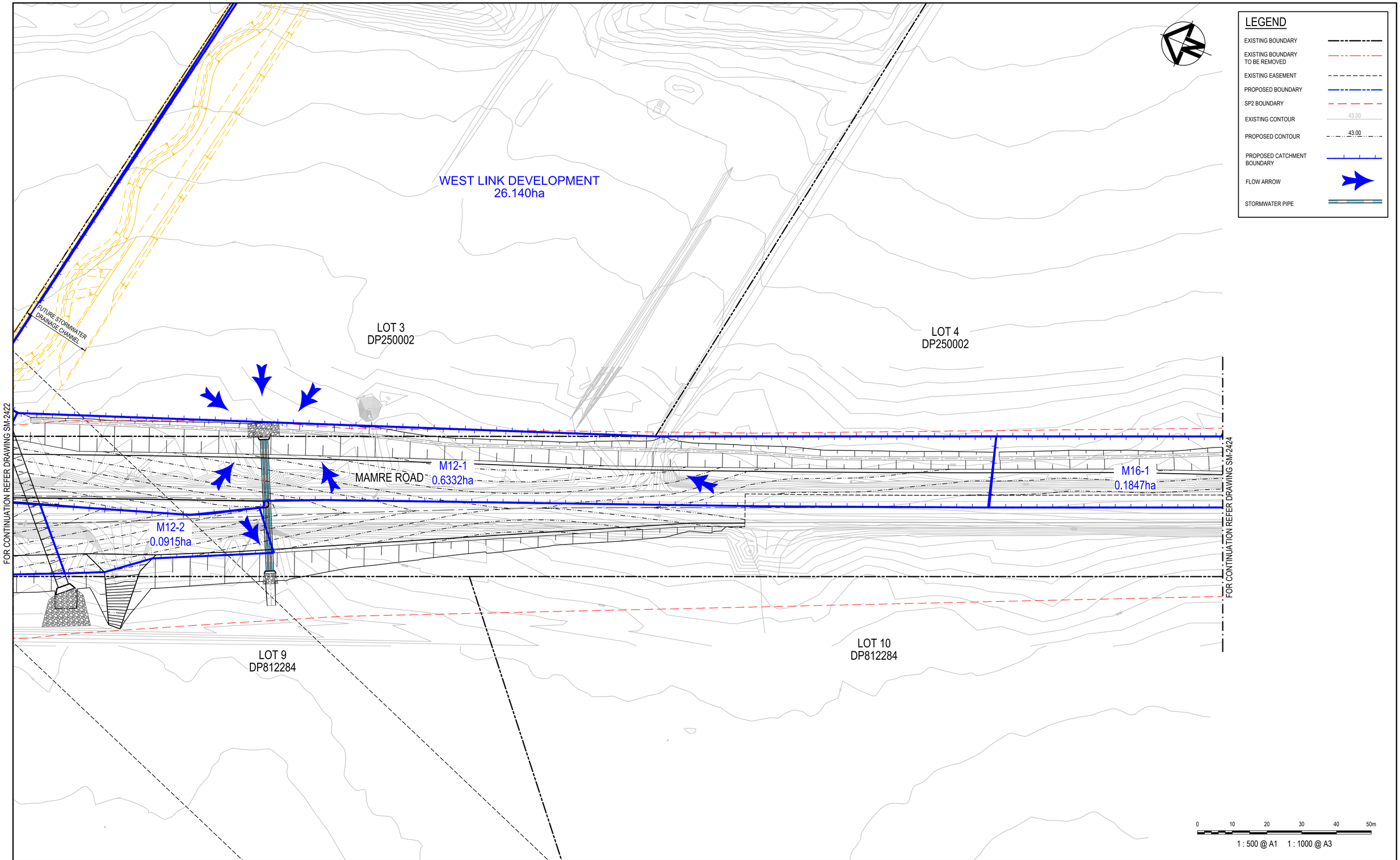
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: SM-2422

Issue: 2

Date Plotted: 13 Apr 2024 - 03:30PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-06-SM-2422.dwg



Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client

FRASERS PROPERTY · ESR · Stockland · FIFECAPITAL

Scales	1 : 500 @ A1
Grid	GDA2020
Height Datum	AHD
Drawn	GB
Designed	DG
Checked	AL
Approved	

TfNSW REGISTRATION No.

DS2023/001186

Project

MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title

STORMWATER CATCHMENT PLAN SHEET 3

Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

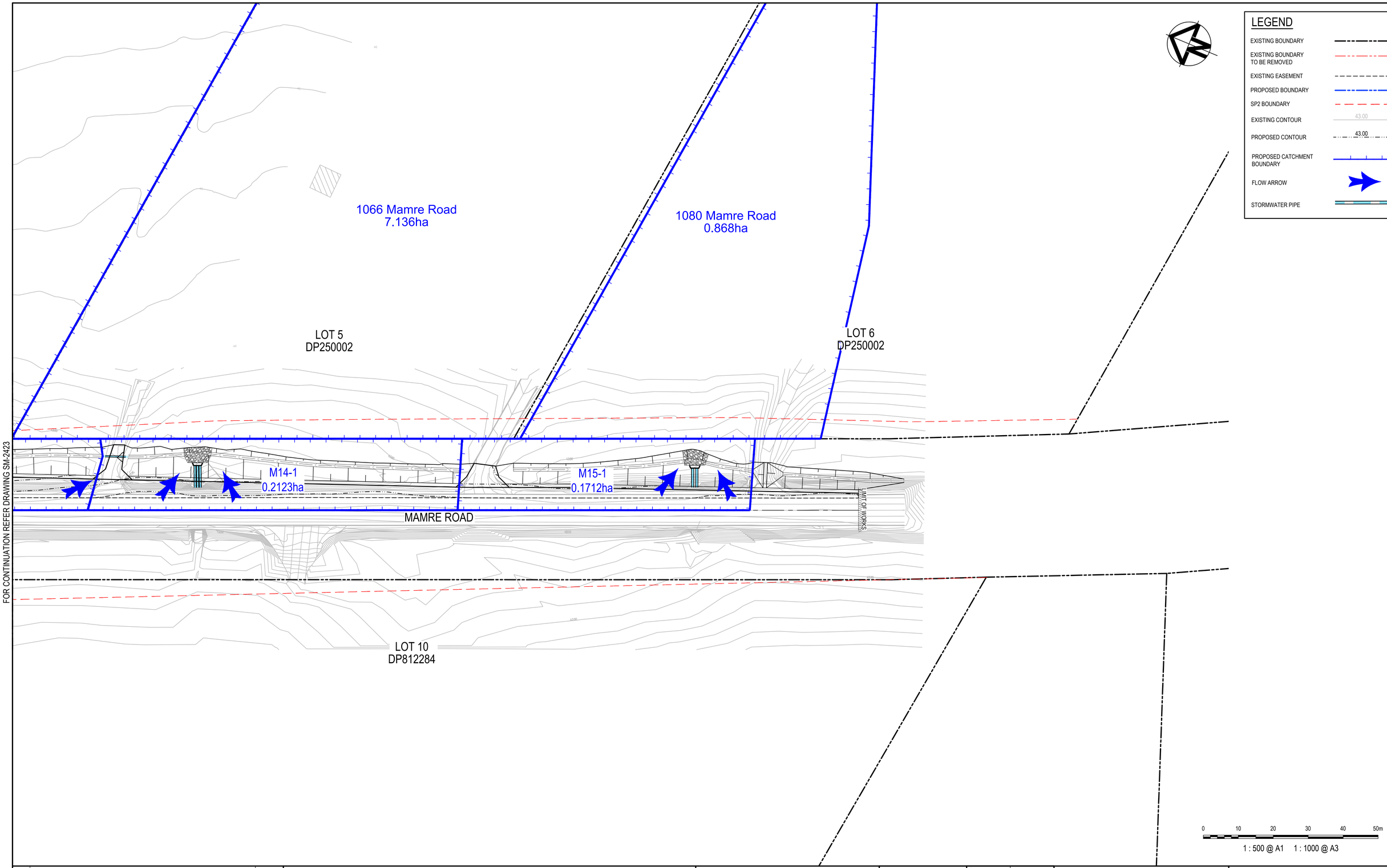
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: SM-2423

Issue: 2

Date Plotted: 13 Apr 2024 - 03:33PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-06-SM-2423.dwg



Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client

FRASERS PROPERTY · ESR · Stockland · FIFECAPITAL

Scales: 1 : 500 @ A1
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	DG
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: STORMWATER CATCHMENT PLAN SHEET 4

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

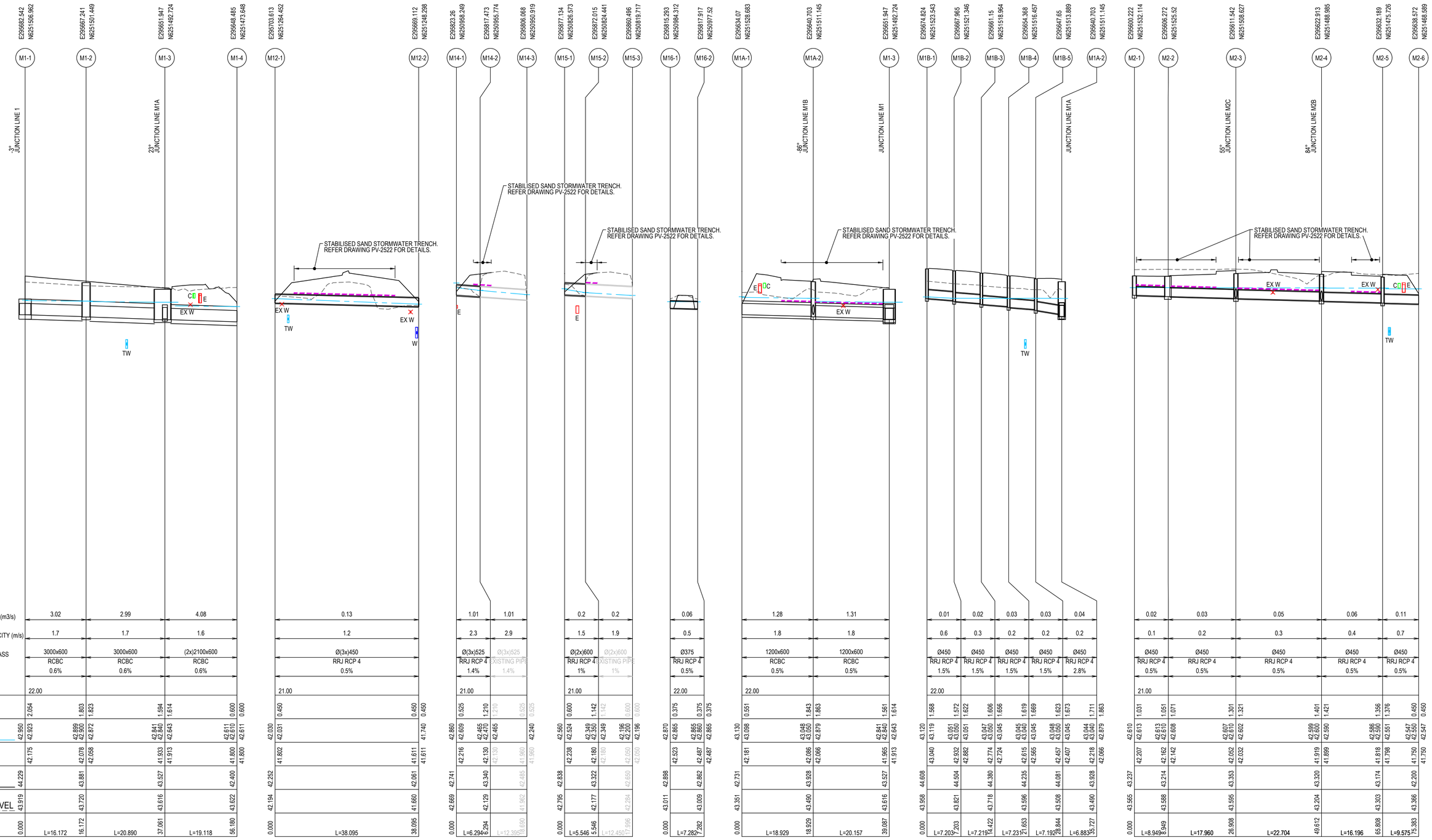
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: SM-2424

Issue: 2

Date Plotted: 13 Apr 2024 - 03:36PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-06-SM-2424.dwg



Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

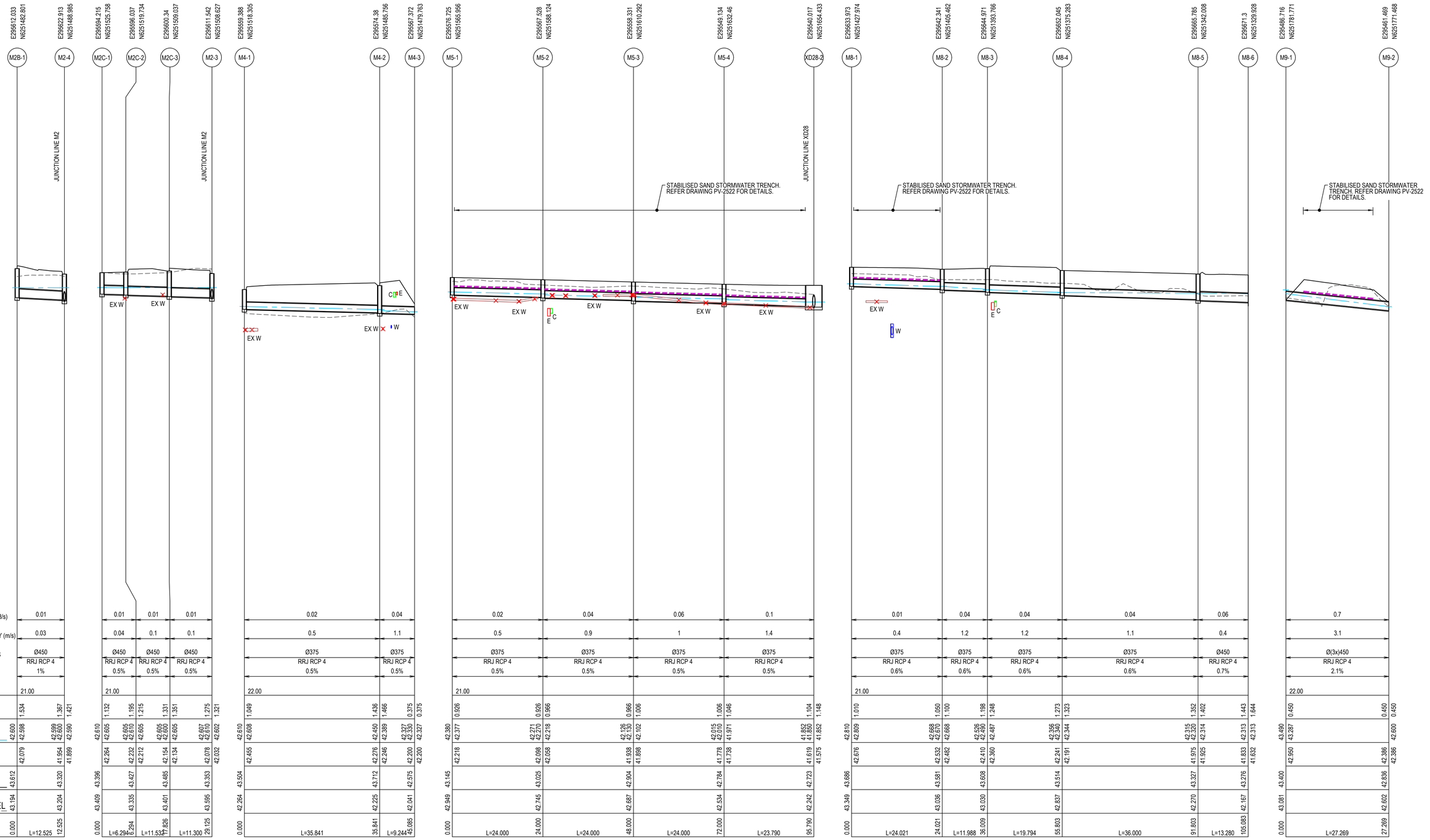
Scales: 1 : 100 @ A1 (V), 1 : 500 @ A1 (H)
Grid: GDA2020
Height Datum: AHD
Drawn: GB
Designed: DG
Checked: AL
Approved:
TfNSW REGISTRATION No.: DS2023/001186

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 1

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1
Project - Drawing No.: SM-2431
Issue: 2



1 : 100 @ A1 1 : 200 @ A3

1 : 500 @ A1 1 : 1000 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	1 : 100 @ A1 (V) 1 : 500 @ A1 (H)
Grid	GDA2020
Height Datum	AHD
Drawn	GB
Designed	DG
Checked	AL
Approved	

TfNSW REGISTRATION No.

DS2023/001186

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 2

Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

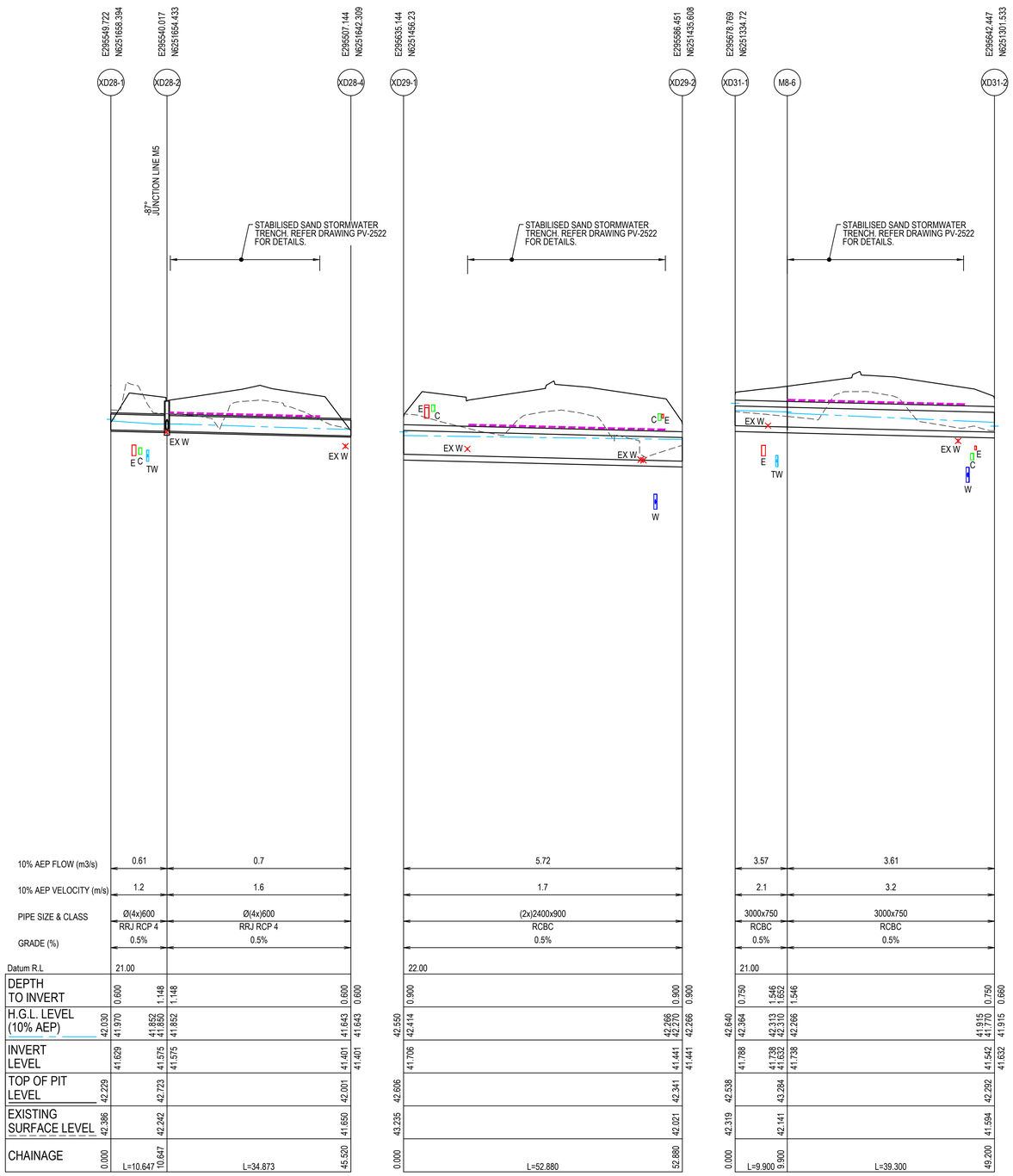
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: SM-2432

Issue: 2

Date Plotted: 13 Apr 2024 - 03:37PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-06-SM-2432.dwg



0 2 4 6 8 10m
1 : 100 @ A1 1 : 200 @ A3

0 10 20 30 40 50m
1 : 500 @ A1 1 : 1000 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client

FRASERS PROPERTY ESR Stockland FIFECAPITAL

Scales
1 : 100 @ A1 (V)
1 : 500 @ A1 (H)

Grid GDA2020

Height Datum AHD

Drawn	GB
Designed	DG
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title
STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 3

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.
SM-2433

Issue
2

PIT NAME	PIT TYPE	DESCRIPTION
M1-1	CULVERT CONNECTION	BUTT JOINT TO PRECAST CULVERT AS PART OF INTERNAL WORKS
M1-2	SA3	CLASS 'D' GRATE AND FRAME. REFER TfNSW MODEL DRAWING R0220-01, R0220-28, R0220-05 AND DRAWING SM-2455 FOR DETAILS
M1-3	SA2	CLASS 'D' GRATE AND FRAME. REFER TfNSW MODEL DRAWING R0220-01, R0220-28, R0220-05 AND DRAWING SM-2455 FOR DETAILS
M1-4	CUSTOM HEADWALL	REFER DRAWING SM-2452 FOR DETAILS
M2-1	SA2	CLASS 'D' GRATE AND FRAME. REFER TfNSW MODEL DRAWING R0220-01 AND R0220-05
M2-2	MODIFIED SAS	CLASS 'D' DOUBLE GRATE AND FRAME. REFER TfNSW MODEL DRAWING R0220-01, R0220-28, R0220-05 AND DRAWING SM-2455 FOR DETAILS
M2-3	SL1	REFER TfNSW MODEL DRAWING R0220-20
M2-4	SLS	REFER TfNSW MODEL DRAWING R0220-20
M2-5	MODIFIED SAS	CLASS 'D' DOUBLE GRATE AND FRAME. REFER TfNSW MODEL DRAWING R0220-01 AND R0220-05
M2-6	CONCRETE HEADWALL SINGLE CELL	REFER TfNSW MODEL DRAWING R0210-15
M2B-1	SL1	REFER TfNSW MODEL DRAWING R0220-20
M2C-1	SL1	REFER TfNSW MODEL DRAWING R0220-20
M2C-2	SL1	REFER TfNSW MODEL DRAWING R0220-20
M2C-3	SL1	REFER TfNSW MODEL DRAWING R0220-20
M4-1	SA2	CLASS 'D' GRATE AND FRAME. REFER TfNSW MODEL DRAWING R0220-01 AND R0220-05
M4-2	SA2	CLASS 'D' GRATE AND FRAME. REFER TfNSW MODEL DRAWING R0220-01 AND R0220-05
M4-3	CONCRETE HEADWALL SINGLE CELL	REFER TfNSW MODEL DRAWING R0210-15
M5-1	SA2	CLASS 'D' GRATE AND FRAME. REFER TfNSW MODEL DRAWING R0220-01 AND R0220-05
M5-2	SA2	CLASS 'D' GRATE AND FRAME. REFER TfNSW MODEL DRAWING R0220-01 AND R0220-05
M5-3	SA2	CLASS 'D' GRATE AND FRAME. REFER TfNSW MODEL DRAWING R0220-01 AND R0220-05
M5-4	SA2	CLASS 'D' GRATE AND FRAME. REFER TfNSW MODEL DRAWING R0220-01 AND R0220-05
M8-1	SA2	CLASS 'D' GRATE AND FRAME. REFER TfNSW MODEL DRAWING R0220-01 AND R0220-05
M8-2	SAS	CLASS 'D' GRATE AND FRAME. REFER TfNSW MODEL DRAWING R0220-01 AND R0220-05
M8-3	SA2	CLASS 'D' GRATE AND FRAME. REFER TfNSW MODEL DRAWING R0220-01 AND R0220-05
M8-4	SA2	CLASS 'D' GRATE AND FRAME. REFER TfNSW MODEL DRAWING R0220-01 AND R0220-05
M8-5	SA2	CLASS 'D' GRATE AND FRAME. REFER TfNSW MODEL DRAWING R0220-01 AND R0220-05
M8-6	CULVERT CONNECTION	REFER TfNSW MODEL DRAWING R0220-44
M9-1	CONCRETE HEADWALL TRIPLE CELL	PRECAST SLOPED HEADWALL TO MATCH BATTER SLOPE
M9-2	CONCRETE HEADWALL TRIPLE CELL	REFER TfNSW MODEL DWG R0210-19
M12-1	CONCRETE HEADWALL TRIPLE CELL	REFER TfNSW MODEL DWG R0210-19
M12-2	CONCRETE HEADWALL TRIPLE CELL	REFER TfNSW MODEL DWG R0210-19
M14-1	CONCRETE HEADWALL TRIPLE CELL	REFER TfNSW MODEL DWG R0210-19
M14-2	PIPE TO PIPE CONNECTION	REFER TfNSW MODEL DRAWING R0220-49
M15-1	CONCRETE HEADWALL TWIN CELL	REFER TfNSW MODEL DRAWING R0210-17
M15-2	PIPE TO PIPE CONNECTION	REFER TfNSW MODEL DWG R0220-49
M16-1	CONCRETE HEADWALL SINGLE CELL	PRECAST SLOPED HEADWALL TO MATCH BATTER SLOPE
M16-2	CONCRETE HEADWALL SINGLE CELL	PRECAST SLOPED HEADWALL TO MATCH BATTER SLOPE
M1A-1	PRECAST HEADWALL	
M1A-2	SE	CLASS 'D' GRATE AND FRAME. REFER TfNSW MODEL DRAWING R0220-06, R0220-28, R0220-05 AND DRAWING SM-2455 FOR DETAILS
M1B-1	SE	CLASS 'D' GRATE AND FRAME. REFER TfNSW MODEL DWG R0220-06
M1B-2	SE	CLASS 'D' GRATE AND FRAME. REFER TfNSW MODEL DWG R0220-06
M1B-3	SE	CLASS 'D' GRATE AND FRAME. REFER TfNSW MODEL DWG R0220-06
M1B-4	SE	CLASS 'D' GRATE AND FRAME. REFER TfNSW MODEL DWG R0220-06
M1B-5	SE	CLASS 'D' GRATE AND FRAME. REFER TfNSW MODEL DWG R0220-06
XD28-1	CONCRETE HEADWALL FOUR CELL	CLASS 'D' GRATE AND FRAME. REFER TfNSW MODEL DRAWING R0220-01 AND DRAWING SM-2455 FOR DETAILS
XD28-2	MODIFIED SAS	CLASS 'D' DOUBLE GRATE AND FRAME. REFER TfNSW MODEL DRAWING R0220-01, R0220-28, R0220-05 AND DRAWING SM-2455 FOR DETAILS
XD28-3	CONCRETE HEADWALL FOUR CELL	CLASS 'D' GRATE AND FRAME. REFER TfNSW MODEL DRAWING R0220-01 AND DRAWING SM-2455 FOR DETAILS
XD29-1	CUSTOM HEADWALL	REFER DRAWING SM-2453 FOR DETAILS
XD29-2	CUSTOM HEADWALL	REFER DRAWING SM-2453 FOR DETAILS
XD31-1	CUSTOM HEADWALL	REFER DRAWING SM-2454 FOR DETAILS
XD31-2	CUSTOM HEADWALL	REFER DRAWING SM-2454 FOR DETAILS

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client

FRASERS PROPERTY · ESR · Stockland · FIFECAPITAL

Scales NTS

Grid GDA2020

Height Datum AHD

Drawn	GB
Designed	DG
Checked	AL
Approved	

TfNSW REGISTRATION No.

DS2023/001186

Project

MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title

STORMWATER DRAINAGE PIT SCHEDULE

Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

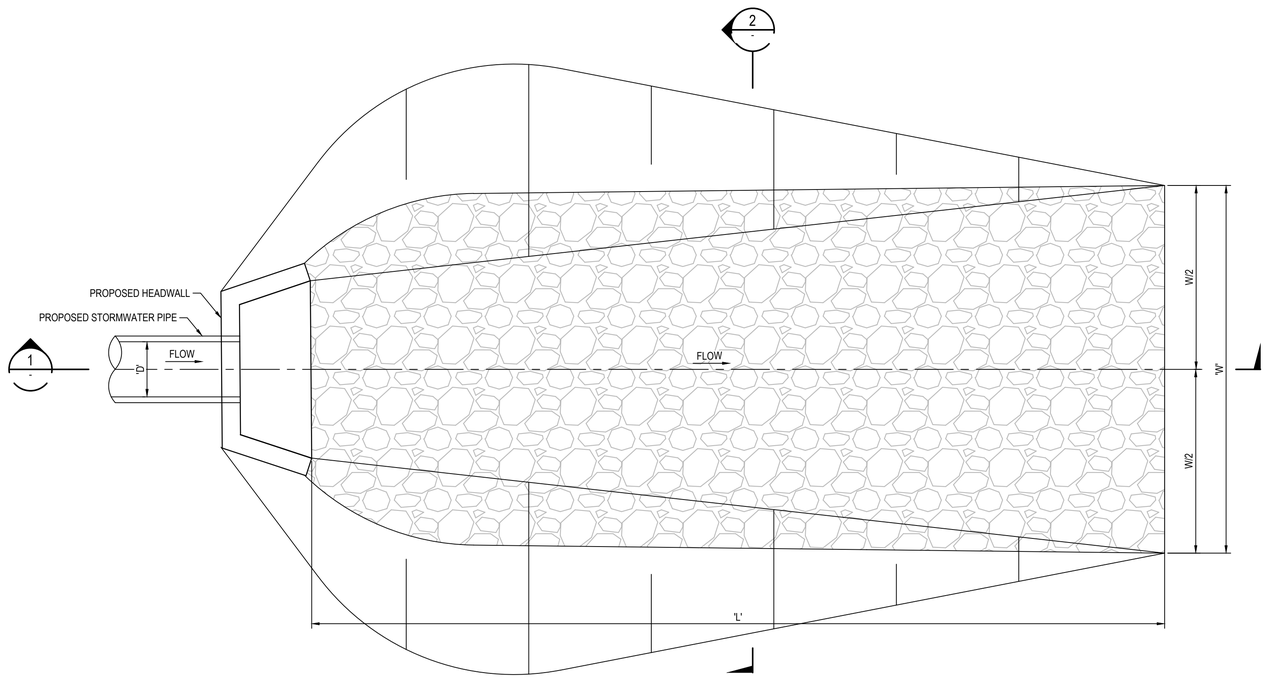
Status FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No. SM-2441

Issue 2

Date Plotted: 13 Apr 2024 - 03:37PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-06-SM-2441.dwg



ENERGY DISSIPATER PLAN
1 : 25

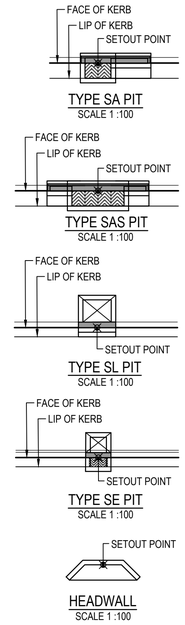
SCOUR PROTECTION SCHEDULE

OUTLET HEADWALL No.	PIPE Ø (mm)	LENGTH OF PROTECTION (m)	WIDTH OF PROTECTION (m)	NOMINAL ROCK SIZE (mm)	THICKNESS OF PROTECTION (mm)
	'D'	'L'	'W'	'd50'	'T'
M1A-1	1200 x 600 BOX CULVERT	7	10.0	300	450
M4-3	375	2	3.1	200	300
M9-1	3 x 450	7	5.5	300	450
M9-2	3 x 450	3	4.4	200	300
M12-1	3 x 450	7	5.5	300	450
M12-2	3 x 450	3	4.4	200	300
M14-1	3 x 525	4	5.6	200	300
M15-1	2 x 600	4	5.8	200	300
XD28-1	4 x 600	4	5.8	200	300
XD28-3	4 x 600	4	5.8	200	300
XD29-2	2 x 2400 x 900 BOX CULVERT	8	8.6	300	450
XD31-1	3000 x 750 BOX CULVERT	10	14.0	300	450
XD31-2	3000 x 750 BOX CULVERT	10	14.0	300	450

NOTE:
1. MINIMUM NOMINAL ROCK SIZE 'd50' IS 150mm.
2. THICKNESS 'T' IS 1.5 x NOMINAL ROCK SIZE
3. ROCK IS NOT TO BE SITE WON SHALE OR OTHER WEATHERABLE ROCK

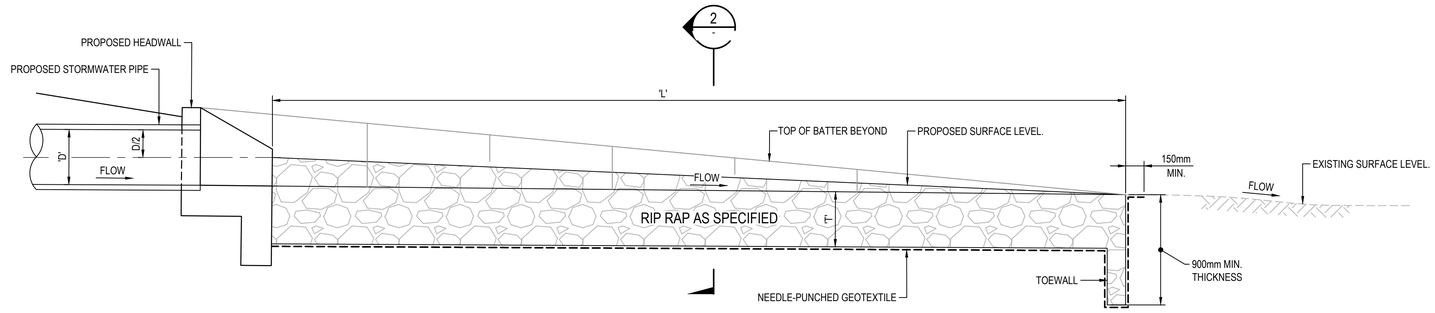
ROCK GRADATION TABLE

	d_{50}					ROCK DISTRIBUTION BY %
	200mm	300mm	400mm	500mm	600mm	
ROCK SIZE (mm)	400	600	750	850	900	15-25%
	300	400	525	600	750	20%
	200	300	400	500	600	50%
	75	100	150	150	200	15-25%

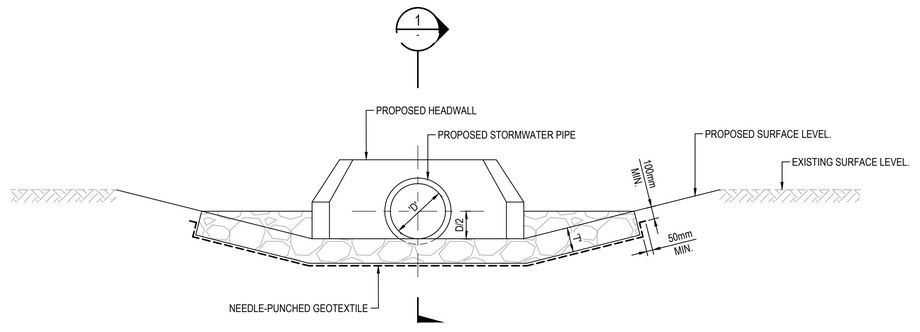


STORMWATER PIT SETOUT POINTS

REFER PIT SETOUT PLANS FOR ENLARGED CHAMBERS



SECTION 1
1 : 25



SECTION 2
1 : 25

0 0.5 1 1.5 2 2.5m
1 : 25 @ A1 1 : 50 @ A3

0 2 4 6 8 10m
1 : 100 @ A1 1 : 200 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	AS SHOWN	Drawn	GB
		Designed	DG
Grid	GDA2020	Checked	AL
Height Datum	AHD	Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

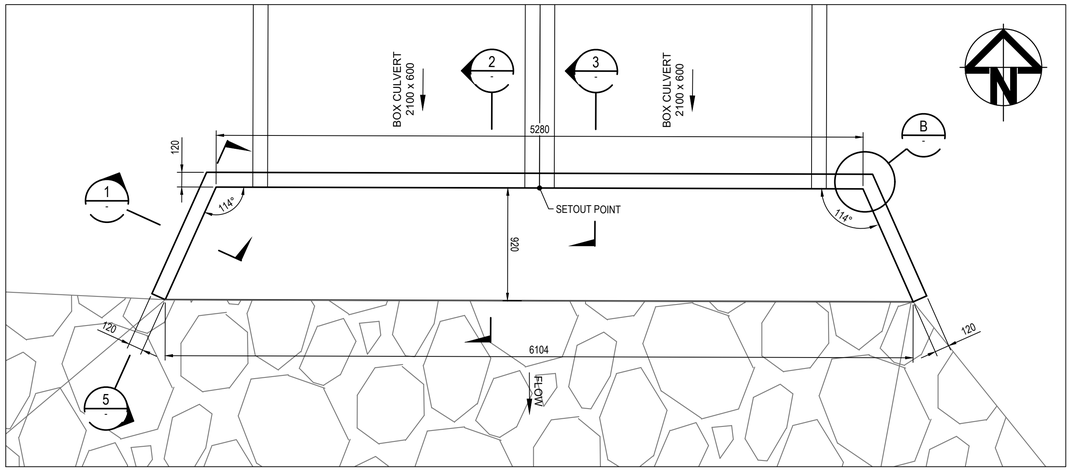
Title
STORMWATER DRAINAGE DETAILS SHEET 1

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

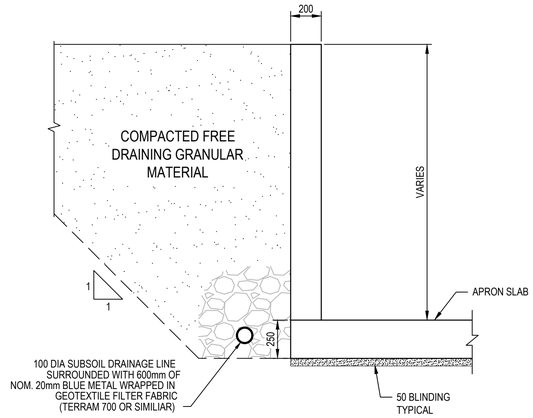
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Project - Drawing No.: SM-2451
Issue: 2

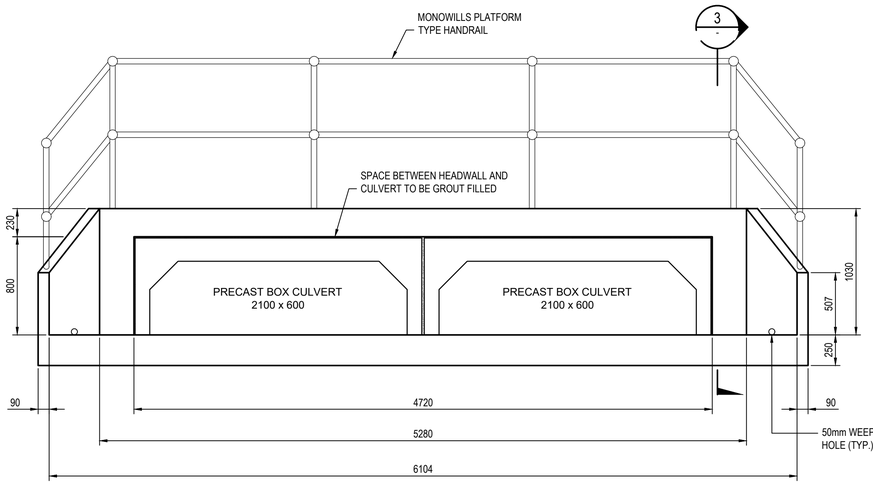
Date Plotted: 13 Apr 2024 - 03:37PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-06-SM-2451.dwg



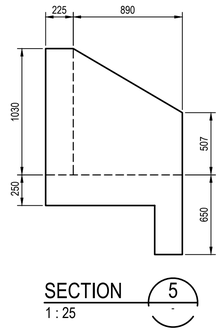
M1-4 HEADWALL PLAN
1 : 25



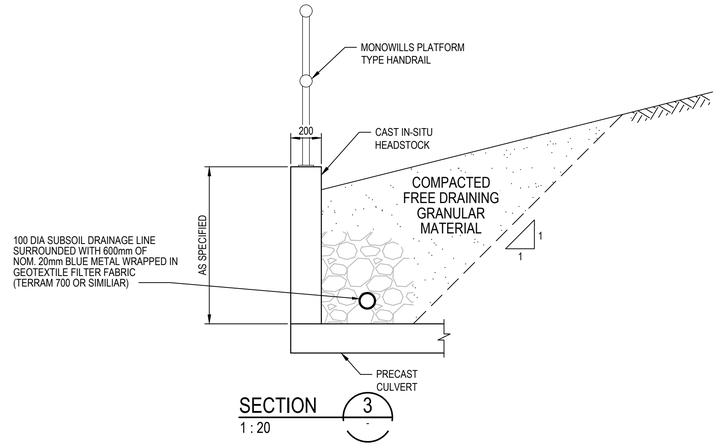
SECTION 1
1 : 20



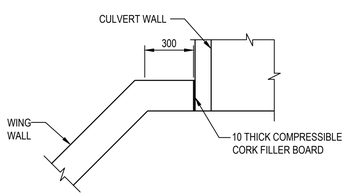
M1-4 HEADWALL ELEVATION
1 : 25



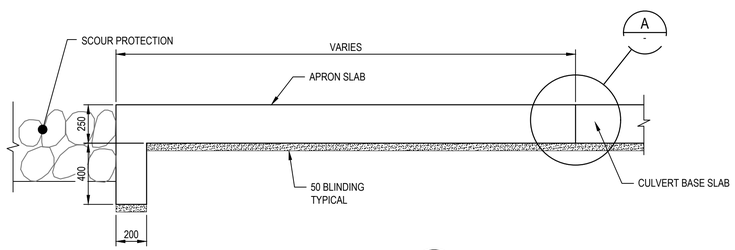
SECTION 5
1 : 25



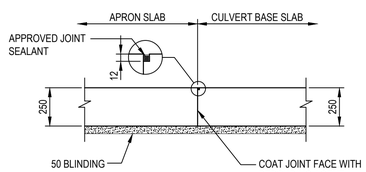
SECTION 3
1 : 20



DETAIL B
1 : 20



SECTION 2
1 : 20



DETAIL A
1 : 20

NOTES
1. STORMWATER HEADWALL DIMENSIONS SHOWN ON THIS PLAN ARE A GUIDE ONLY. CONTRACTOR TO CONFIRM DIMENSIONS ON SITE WITH SITE SUPERINTENDENT.
2. CONTRACTOR TO STRUCTURALLY DESIGN AND CERTIFY ALL CUSTOM HEADWALLS FOR SUBMISSION TO TfNSW.

0 500 1000 1500 2000mm
1 : 20 @ A1 1 : 40 @ A3

0 0.5 1 1.5 2 2.5m
1 : 25 @ A1 1 : 50 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client
FRASERS PROPERTY
ESR
Stockland
FIFECAPITAL

Scales: AS SHOWN
Grid: GDA2020
Height Datum: AHD

Drawn	GB
Designed	DG
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

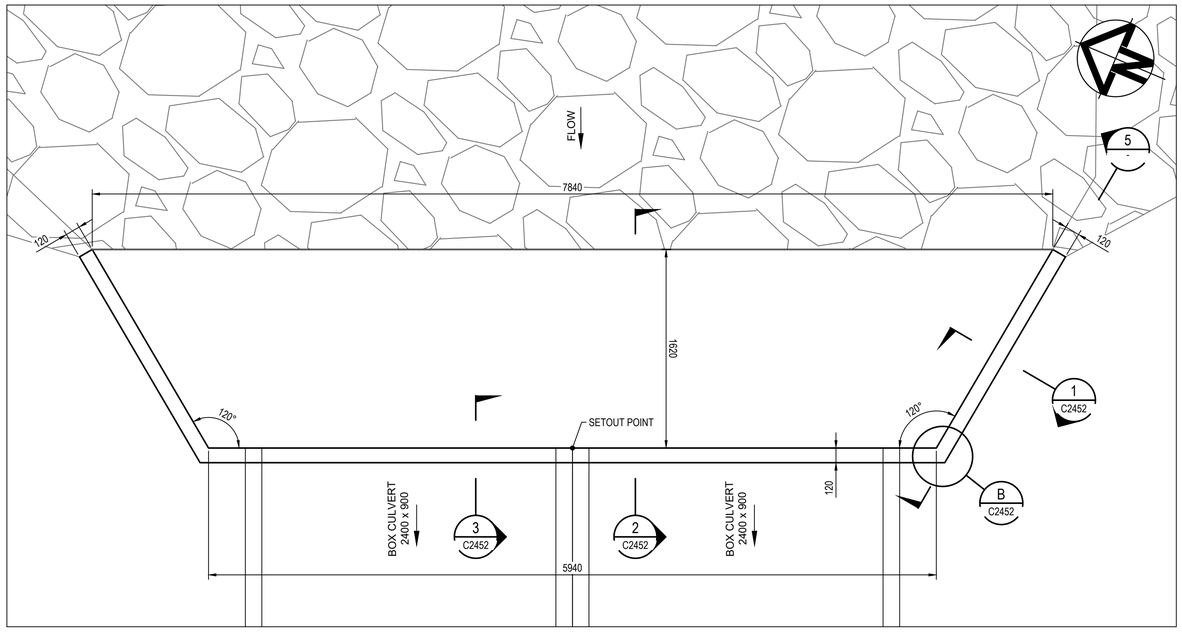
Title
STORMWATER DRAINAGE DETAILS SHEET 2

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

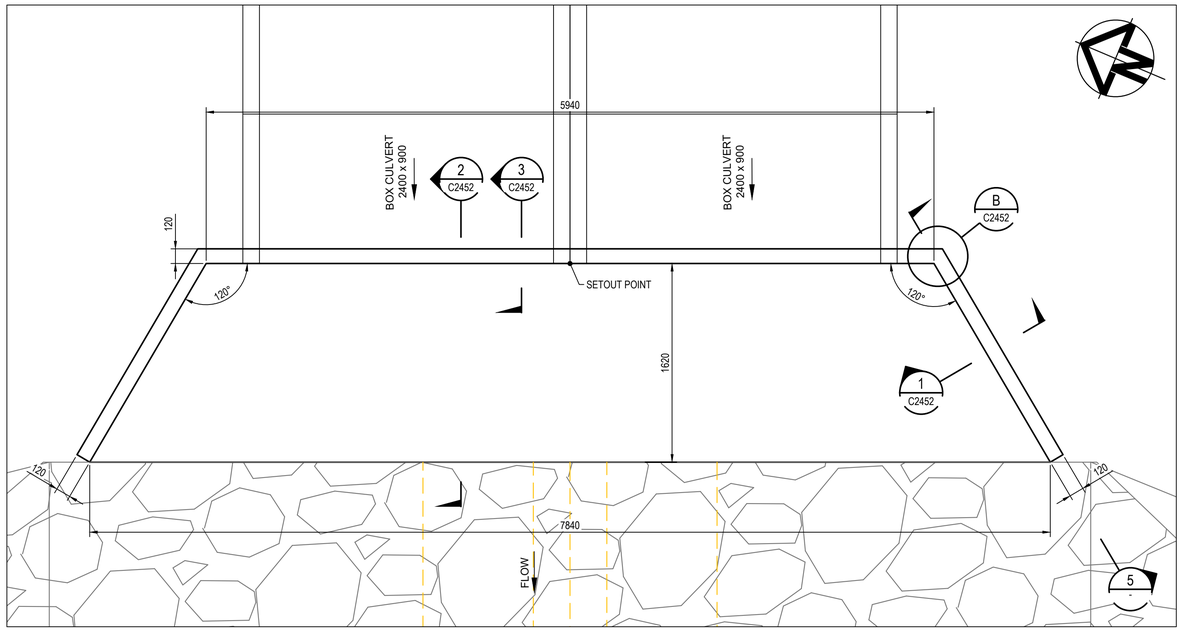
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Project - Drawing No.: SM-2452
Issue: 2

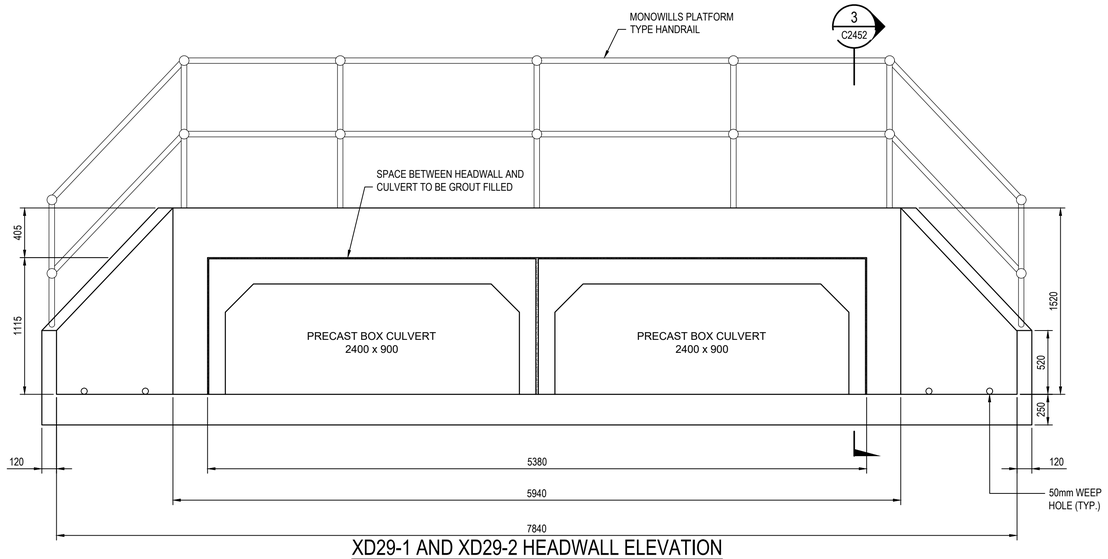
Date Plotted: 13 Apr 2024 - 03:37PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-06-SM-2452.dwg



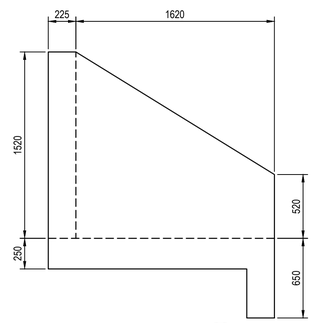
XD29-1 HEADWALL PLAN
1 : 25



XD29-2 HEADWALL PLAN
1 : 25



XD29-1 AND XD29-2 HEADWALL ELEVATION
1 : 25



SECTION 5
1 : 25

NOTES
1. STORMWATER HEADWALL DIMENSIONS SHOWN ON THIS PLAN ARE A GUIDE ONLY. CONTRACTOR TO CONFIRM DIMENSIONS ON SITE WITH SITE SUPERINTENDENT.
2. CONTRACTOR TO STRUCTURALLY DESIGN AND CERTIFY ALL CUSTOM HEADWALLS FOR SUBMISSION TO TfNSW.

0 0.5 1 1.5 2 2.5m
1 : 25 @ A1 1 : 50 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	AS SHOWN
Grid	GDA2020
Height Datum	AHD
Drawn	GB
Designed	DG
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

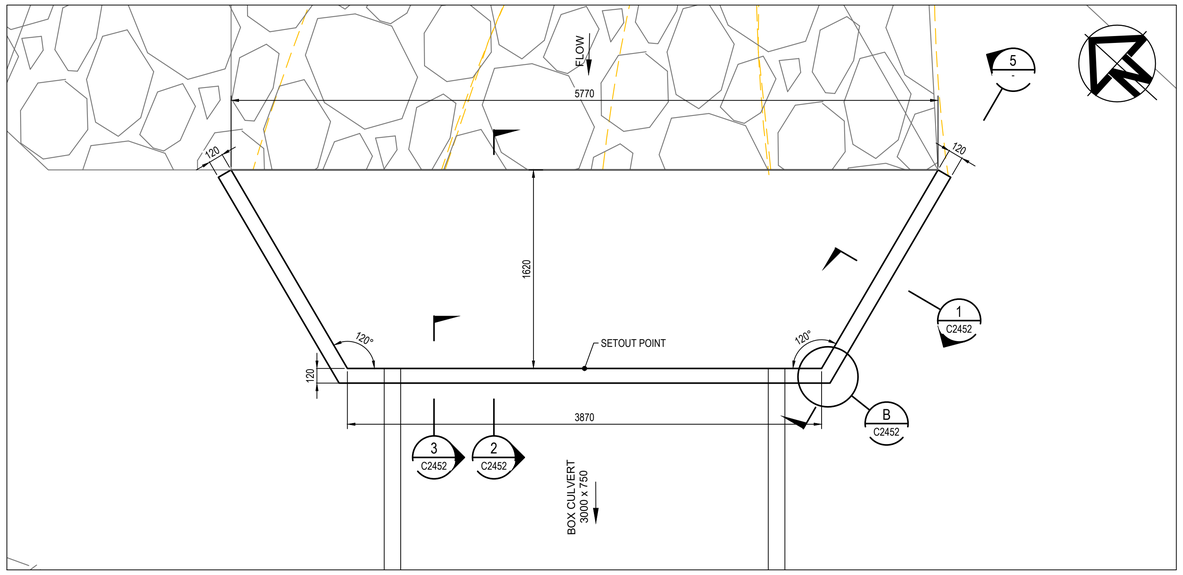
Title
STORMWATER DRAINAGE DETAILS SHEET 3

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

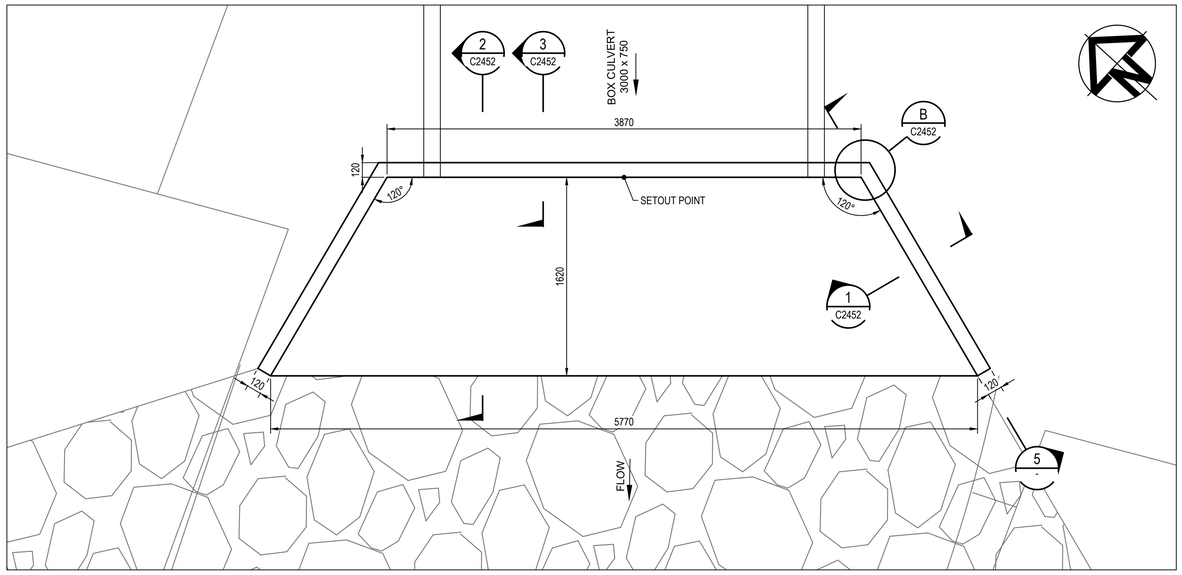
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Project - Drawing No.: SM-2453
Issue: 2

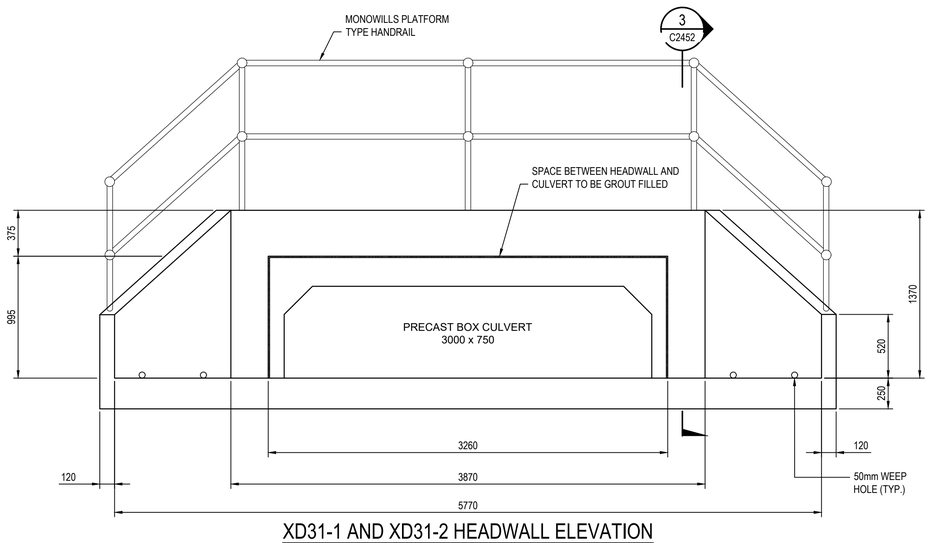
Date Plotted: 13 Apr 2024 - 03:37PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-06-SM-2453.dwg



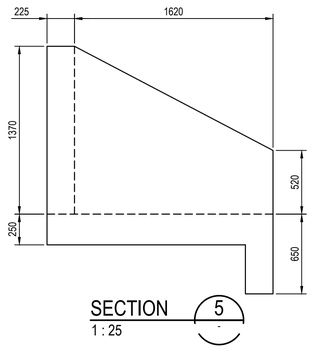
XD31-1 HEADWALL PLAN
1 : 25



XD31-2 HEADWALL PLAN
1 : 25



XD31-1 AND XD31-2 HEADWALL ELEVATION
1 : 25



SECTION 5
1 : 25

NOTES
1. STORMWATER HEADWALL DIMENSIONS SHOWN ON THIS PLAN ARE A GUIDE ONLY. CONTRACTOR TO CONFIRM DIMENSIONS ON SITE WITH SITE SUPERINTENDENT.
2. CONTRACTOR TO STRUCTURALLY DESIGN AND CERTIFY ALL CUSTOM HEADWALLS FOR SUBMISSION TO TfNSW.

0 0.5 1 1.5 2 2.5m

1 : 25 @ A1 1 : 50 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	AS SHOWN
Grid	GDA2020
Height Datum	AHD
Drawn	GB
Designed	DG
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

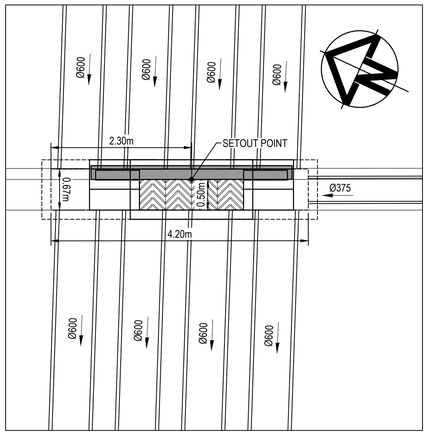
Title
STORMWATER DRAINAGE DETAILS SHEET 4

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

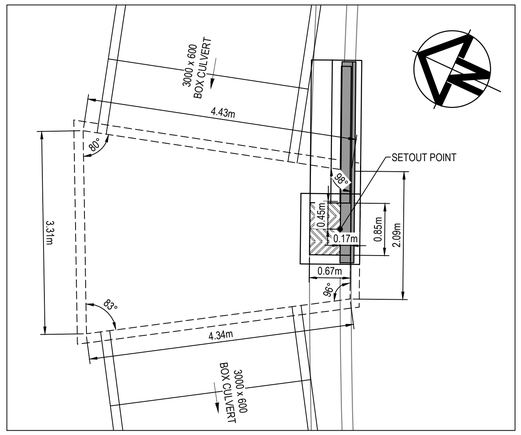
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Project - Drawing No.: SM-2454
Issue: 2

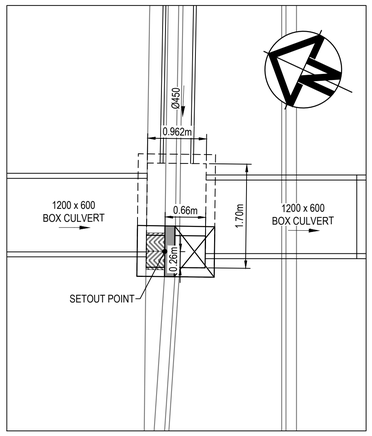
Date Plotted: 13 Apr 2024 - 03:37PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-06-SM-2454.dwg



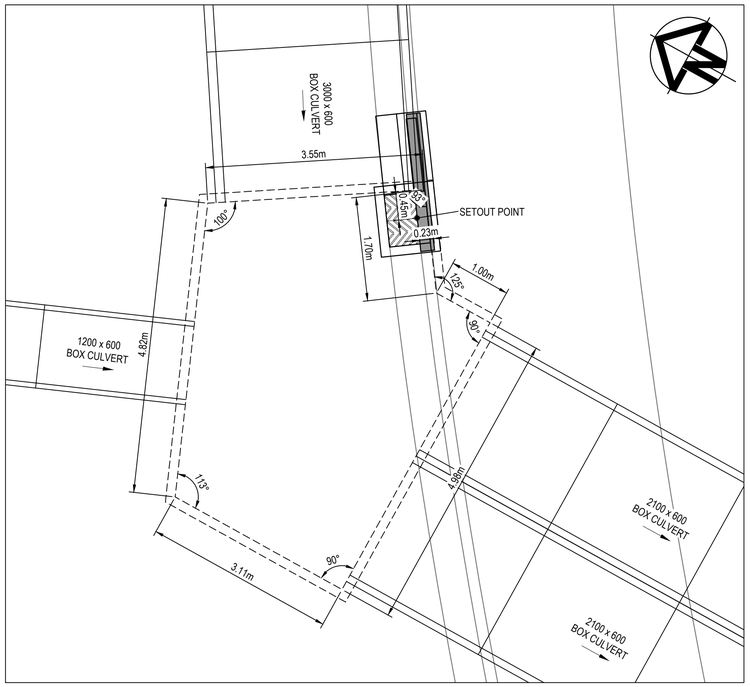
PIT XD28-2
1 : 50



PIT M1-2
1 : 50



PIT M1A-2
1 : 50



PIT M1-3
1 : 50

NOTES
1. STORMWATER PIT CHAMBER DIMENSIONS SHOWN ON THIS PLAN ARE A GUIDE ONLY. CONTRACTOR TO CONFIRM DIMENSIONS ON SITE WITH SITE SUPERINTENDENT.
2. CONTRACTOR TO STRUCTURALLY DESIGN AND CERTIFY ALL CUSTOM PITS FOR SUBMISSION TO TfNSW.

0 1 2 3 4 5m

1 : 50 @ A1 1 : 100 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client
FRASERS PROPERTY
ESR
Stockland
FIFECAPITAL

Scales: AS SHOWN
Grid: GDA2020
Height Datum: AHD
Drawn: GB
Designed: DG
Checked: AL
Approved:

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title
STORMWATER DRAINAGE DETAILS SHEET 5

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1
Project - Drawing No.: SM-2455
Issue: 2

DRAINAGE CALCULATIONS TABLE

LOCATION AND LAND-USE					TIME AND RUNOFF						INLET DESIGN						PIPE SYSTEM DESIGN									PIT RESULTS					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	31a	31b	32	33	34	35
Design AEP	Pit Name	Sub-Catchment Area (ha)	Land-Use	Percent-age	Constant Flow Time (minutes)	Kinematic Wave or Friends Formula Parameters Length (m)	Slope (%)	Roughness n	Total Time tc (minutes)	Peak Sub-Catchment Flowrate (m^3/s)	Origin of Approach Flows	Overflows Approaching Pit Flowrate (m^3/s)	Flow Width (m)	Depth x Velocity (m^2/s)	Inlet Family	Inlet Size	Total Approach Flow (m^3/s)	Overflow Leaving Pit Bypass Flow (m^3/s)	Flow Width (m)	Depth x Velocity (m^2/s)	Peak Flow in Pipe (m^3/s)	Reach Length (m)	Pipe Slope (m)	Pipe Diameter (mm)	U/S Pipe Invert Level (m)	D/S Pipe Invert Level (m)	U/S HGL in Pipe (m)	D/S HGL in Pipe (m)	Pipe Flow Velocity (m/s)	Pressure Change Coeff. Ku	QUDM Chart No. 2008 [2013]	QUDM Chart Ratios	Water Surface Elevation (m)	Surface Level (m)	Free-board (m)	Pit Name
										*worst storm																										
10%	XD28-1	0.2181	Paved	50	6				6	0.06	Abbotts R	0.58	14.5	0.04			0.64	0	0	0	0.609	10.647	0.51	600	41.629	41.575	41.968	41.849	1.22	0.5			42.03	43.31	1.28	XD28-1
			Supp.	0	0						XD28-1A	0.032	2.87	0.02																					
			Grassed	50	8				0		XD28-1B	0.022	1.68	0.02																					
1%	XD28-1	0.2181	Paved	< ------	-------	as above	-------	------>	6	0.112	Abbotts R	1.231	14.5	0.08			1.344	0	0	0	1.209						42.082	41.993	1.44	0.5			42.22	43.31	1.09	XD28-1
			Grassed						0		XD28-1A	0.118	6.62	0.06																					
											XD28-1B	0.049	3.08	0.04																					
10%	XD28-2	0.2598	Paved	80	6				6	0.086	XD28-1	0	0	0	Kerb Inlet I	KIP 400x9	0.086	0	0	0	0.689	34.873	0.5	600	41.575	41.401	41.849	41.64	1.64	1	1-20 [A2-3	Qg/Qo=0.1	41.85	42.759	0.91	XD28-2
			Supp.	0	0						M5-4.0	0.042	1.28	0.06																					
			Grassed	20	8				0		M5-4	0.021	0	0																					
1%	XD28-2	0.2598	Paved	< ------	-------	as above	-------	------>	6	0.144	XD28-1	0	0	0			0.144	0	0	0	1.369						41.955	41.755	1.97	0.88	1-20 [A2-3	Qg/Qo=0.(	41.99	42.759	0.77	XD28-2
			Grassed						0		M5-4.0	0.071	0	0																					
											M5-4	0.036	0	0																					
10%	XD31-1	0.097	Paved	50	6				6	0.027	NWLS2	3.59	14.5	0.25			3.601	0.048	1.41	0.04	3.554	9.9	0.51	3W x 0.75H	41.788	41.738	42.361	42.311	2.07	0.5			42.64	42.547	-0.09	XD31-1
			Supp.	0	0						M8-5	0	0	0																					
			Grassed	50	8				0		M12-0	0	0	0																					
1%	XD31-1	0.097	Paved	< ------	-------	as above	-------	------>	6	0.05	NWLS2	7.214	14.5	0.5			7.228	1.165	3.2	0.55	6.056						42.674	42.563	2.69	0.5			43.29	42.547	-0.75	XD31-1
			Grassed						0		M8-5	0	0	0																					
											M12-0	0	0	0																					
10%	XD31-2		Paved												PIPE CON	PIPE CON	0				3.59	39.3	0.5	3W x 0.75H	41.738	41.542	42.265	41.914	3.22	not calculated			42.31	43.283	0.97	XD31-2
			Supp.																																	
			Grassed																																	
1%	XD31-2		Paved	< ------	-------	as above	-------	------>									0				6.106						42.488	42.069	3.86	not calculated			42.56	43.283	0.72	XD31-2
			Grassed																																	
10%	M8-1	0.0335	Paved	90	6				6	0.012	M8-0	0.012	0.94	0.03	Kerb Inlet I	KIP 400x9	0.012	0	1.32	0.03	0.015	24.021	0.6	375	42.676	42.532	42.809	42.669	0.44	5.93	A1-4 [A2-3), Vo2 / (2g		42.81	43.686	0.88	M8-1
			Supp.	0	0																															
			Grassed	10	8				0																											
1%	M8-1	0.0335	Paved	< ------	-------	as above	-------	------>	6	0.02	M8-0	0.019	1.27	0.04			0.02	0	0	0	0.025						42.851	42.735	0.5	5.93	A1-4 [A2-3), Vo2 / (2g		42.85	43.686	0.84	M8-1
			Grassed						0																											
10%	M8-2	0.0725	Paved	90	6				6	0.026	M8-1	0.021	1.32	0.03	Kerb Inlet I	KIP 400x9	0.026	0	0	0	0.035	11.988	0.6	375	42.482	42.41	42.669	42.526	1.21	5.93	A1-4 [A2-3), Vo2 / (2g		42.67	43.579	0.91	M8-2
			Supp.	0	0																															
			Grassed	10	8				0																											
1%	M8-2	0.0725	Paved	< ------	-------	as above	-------	------>	6	0.042	M8-1	0.035	0	0			0.042	0	0	0	0.057						42.656	42.61	1.14	5.93	A1-4 [A2-3), Vo2 / (2g		42.74	43.579	0.84	M8-2
			Grassed						0																											
10%	M8-3		Paved								M8-2	0	0	0	Kerb Inlet I	KIP 400x9	0	0	0.97	0.03	0.035	19.794	0.6	375	42.36	42.241	42.488	42.357	1.21	0.2	A1-5 [A2-4)g / Qo = 0		42.49	43.608	1.12	M8-3
			Supp.																																	
			Grassed																																	
1%	M8-3		Paved	< ------	-------	as above	-------	------>			M8-2	0	0	0			0	0	1.29	0.03	0.058						42.609	42.601	0.74	0.21	A1-5 [A2-4)g / Qo = 0		42.61	43.608	1	M8-3
			Grassed																																	
10%	M8-4	0.026	Paved	90	6				6	0.009	M8-3	0.009	0.97	0.03	Kerb Inlet I	KIP 400x9	0.009	0	1.5	0.03	0.045	36	0.6	375	42.191	41.975	42.344	42.314	1.06	1.19	A1-5 [A2-4)g / Qo = 0		42.34	43.514	1.17	M8-4
			Supp.	0	0																															
			Grassed	10	8				0																											
1%	M8-4	0.026	Paved	< ------	-------	as above	-------	------>	6	0.015	M8-3	0.015	1.29	0.03			0.015	0	1.91	0.04	0.07						42.59	42.572	0.64	1.18	A1-5 [A2-4)g / Qo = 0		42.6	43.514	0.91	M8-4
			Grassed						0																											
10%	M8-5	0.0484	Paved	90	6				6	0.017	M8-4	0.017	1.5	0.03	Kerb Inlet I	KIP 400x9	0.017	0	0	0	0.06	13.28	0.69	450	41.925	41.833	42.312	42.311	0.42	1.08	A1-5 [A2-4)g / Qo = 0		42.31	43.327	1.01	M8-5
			Supp.	0	0																															
			Grassed	10	8				0																											
1%	M8-5	0.0484	Paved	< ------	-------	as above	-------	------>	6	0.028	M8-4	0.028	1.91	0.04			0.028	0	0	0	0.097						42.566	42.563	0.61	1.08	A1-5 [A2-4)g / Qo = 0		42.57	43.327	0.75	M8-5
			Grassed						0																											
10%	M16-1	0.1841	Paved	90	6				6	0.065	M16-0	0.046	4.28	0.04			0.074	0	0	0	0.058	6.237	0.5	375	42.471	42.44	42.866	42.865	0.52	0.5			42.87	42.946	0.08	M16-1
			Supp.	0	0																															
			Grassed	10	8				0																											
1%	M16-1	0.1841	Paved	< ------	-------	as above	-------	------>	6	0.108	M16-0	0.574	12.57	0.27			0.41	1.063	14.37	0.11	0.128						43.604	43.539	1.16	0.5			43.7	42.946	-0.76	M16-1
			Grassed						0																											
10%	M15-1	0.1712	Paved	90	6				6	0.06	N1080	0.184	8.15	0.04			0.246	0	0	0	0.195	5.546	1.05	600	42.238	42.18	42.524	42.348	1.5	0.5			42.56	42.838	0.28	M15-1
			Supp.	0	0						M15-1A	0.04	1.74	0.03																					
			Grassed	10	8				0		M15-1B	0.023	2.76	0.02																					
1%	M15-1	0.1712	Paved	< ------	-------	as above	-------	------>	6	0.1	N1080	0.357	9.72	0.06			0.457	0	0	0	0.359						42.523	42.412	1.79	0.5			42.67	42.838	0.16	M15-1
			Grassed						0		M15-1A	0.067	2.61	0.05																					
											M15-1B	0.033	3.89	0.03																					

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: NTS | Drawn: GB | Designed: DG | Checked: AL | Approved:
Grid: GDA2020 | Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: STORMWATER DRAINAGE ANALYSIS TABLE SHEET 1

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: SM-2461

Issue: 2

Date Plotted: 13 Apr 2024 - 03:37PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-06-SM-2461.dwg

DRAINAGE CALCULATIONS TABLE

LOCATION AND LAND-USE					TIME AND RUNOFF					INLET DESIGN						PIPE SYSTEM DESIGN								PIT RESULTS					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	31a	31b	32	33	34	35
Design AEP	Pit Name	Sub-Catchment Area (ha)	Land-Use	Percent-age	Constant Flow Time (minutes)	Kinematic Wave or Friends Formula Parameters Length (m)	Slope (%)	Roughness n	Total Time tc (minutes)	Peak Sub-Catchment Flowrate (m^3/s)	Origin of Flows	Overflows Approaching Pit Flowrate (m^3/s)	Flow Width (m)	Depth x Velocity (m^2/s)	Inlet Family	Inlet Size	Total Approach Flow (m^3/s)	Overflow Leaving Pit Bypass Flow (m^3/s)	Flow Width (m)	Depth x Velocity (m^2/s)	Peak Flow in Pipe (m^3/s)	Reach Length (m)	Pipe Slope (m)	Pipe Diameter (mm)	U/S Pipe Invert Level (m)	D/S Pipe Invert Level (m)	U/S HGL in Pipe (m)	D/S HGL in Pipe (m)	Pipe Flow Velocity (m/s)	Pressure Change Coeff. Ku	QUDM Chart No. 2008 [2013]	QUDM Chart Ratios	Water Surface Elevation (m)	Surface Level (m)	Free-board (m)	Pit Name
10%	M15-2		Paved		6										PIPE CON	PIPE CON	0				0.195	12.45	1.04	600	42.18	42.05	42.348	42.195	1.85	0.2	A1-5 [A2-4	g / Qo = 0	42.35	43.322	0.97	M15-2
			Supp.																																	
			Grassed																																	
1%	M15-2		Paved	< ------	-------	as above	-------	------>									0				0.359						42.412	42.249	2.2	0.2	A1-5 [A2-4	g / Qo = 0	42.41	43.322	0.91	M15-2
			Grassed																																	
10%	M9-1	0.2651	Paved	50	6				6	0.071	M9-1B	0.046	32.68	0.02			0.79	0	0	0	0.336	27.269	2.07	450	42.95	42.386	43.183	42.53	2.55	0.5			43.32	43.95	0.63	M9-1
			Supp.	0	0						M9-1A	0.112	31.81	0.03																					
			Grassed	50	9				0		N 39	Abbotts F	0.699	14.5	0.05																					
1%	M9-1	0.2651	Paved	< ------	-------	as above	-------	------>	6	0.129	M9-1B	0.086	46.65	0.02			1.645	0	0	0	0.626						43.27	42.588	3.02	0.5			43.46	43.95	0.49	M9-1
			Grassed						0		M9-1A	0.217	45.84	0.05																					
											N 39	Abbotts F	1.463	14.5	0.1																					
10%	M12-1	0.6332	Paved	50	6				6	0.174	XD31-1A	0.06	2.21	0.05			0.218	0	0	0	0.134	38.095	0.5	450	41.802	41.611	42.031	41.741	1.17	0.5			42.03	42.252	0.22	M12-1
			Supp.	0	0						XD31-1B	0.09	2.57	0.06																					
			Grassed	50	8				0																											
1%	M12-1	0.6332	Paved	< ------	-------	as above	-------	------>	6	0.324	XD31-1A	1.202	7.48	0.46			1.465	0	0	0	0.865						42.433	41.986	2.04	0.5			42.58	42.252	-0.32	M12-1
			Grassed						0		XD31-1B	0.332	7.03	0.18																					
10%	M14-1	0.2134	Paved	90	6				6	0.075	N1066	1.11	14.5	0.08			1.304	0	0	0	1.011	6.294	1.37	525	42.216	42.13	42.609	42.465	2.33	0.5			42.86	43.32	0.46	M14-1
			Supp.	0	0						M16-2	0.096	6.73	0.07																					
			Grassed	10	8				0		XD32-0	0.068	5.44	0.05																					
1%	M14-1	0.2134	Paved	< ------	-------	as above	-------	------>	6	0.125	N1066	1.951	14.5	0.16			2.814	0	0	0	1.383						42.767	42.539	2.58	0.5			43.29	43.32	0.03	M14-1
			Grassed						0		M16-2	0.288	12.44	0.16																					
											XD32-0	0.156	9.74	0.1																					
10%	M14-2		Paved												PIPE CON	PIPE CON	0				1.011	12.395	1.37	525	42.13	41.96	42.465	42.24	2.9	0.2	A1-5 [A2-4	g / Qo = 0	42.47	43.332	0.87	M14-2
			Supp.																																	
			Grassed																																	
1%	M14-2		Paved	< ------	-------	as above	-------	------>									0				1.373						42.539	42.302	3.1	0.2	A1-5 [A2-4	g / Qo = 0	42.54	43.332	0.79	M14-2
			Grassed																																	
10%	M1A-1		Paved														0	0	0	0	1.277	19.236	0.5	.2W x 0.6H	42.181	42.084	43.094	43.045	1.77	0.2			43.12	45	1.88	M1A-1
			Supp.																																	
			Grassed																																	
1%	M1A-1		Paved	< ------	-------	as above	-------	------>									0	0	0	0	2.554						44.366	44.077	3.55	0.2			44.54	45	0.46	M1A-1
			Grassed																																	
10%	M1A-2	0.0115	Paved	75	6				6	0.004	M1B-5	0.006	1.19	0.01	TfNSW SET	TfNSW SE	0.006	0.002	1.86	0.01	1.296	19.851	0.5	.2W x 0.6H	42.064	41.965	42.881	42.844	1.8	1.5			43.04	43.916	0.87	M1A-2
			Supp.	0	0																															
			Grassed	25	8				0																											
1%	M1A-2	0.0115	Paved	< ------	-------	as above	-------	------>	6	0.006	M1B-5	0.027	2	0.02			0.028	0.315	5.3	0.12	2.449						43.39	43.236	3.4	1.5			44.08	43.916	0	M1A-2
			Grassed						0																											
10%	M1-3	0.0415	Paved	80	6				6	0.014	M1-2	0.014	0.86	0.05	Kerb Inlet I	KIP 400x9	0.014	0	0.64	0.06	4.081	19.189	0.59	1W x 0.6H	41.913	41.8	42.646	42.613	1.62	not calculated			42.84	43.588	0.74	M1-3
			Supp.	0	0																															
			Grassed	20	8				0																											
1%	M1-3	0.0415	Paved	< ------	-------	as above	-------	------>	6	0.023	M1-2	0.025	1.2	0.07			0.027	0.001	0.92	0.08	5.324						42.906	42.852	2.11	not calculated			43.24	43.588	0.35	M1-3
			Grassed						0																											
10%	XD29-1	0.1072	Paved	0	6				6	0.029	N1016	1.897	19.76	0.59			1.898	0	0	0	5.749	52.882	0.5	.4W x 0.9H	41.706	41.441	42.415	42.268	1.69	0.5			42.55	43.741	1.19	XD29-1
			Supp.	0	0																															
			Grassed	100	8				0																											
1%	XD29-1	0.1072	Paved	< ------	-------	as above	-------	------>	6	0.052	N1016	3.826	22.65	0.7			3.906	0	0	0	8.352						42.589	42.372	1.97	0.5			42.82	43.741	0.92	XD29-1
			Grassed						0																											
10%	M1B-1	0.0163	Paved	75	6				6	0.005	1M-1	0.027	2.12	0.02	TfNSW SET	TfNSW SE	0.027	0.016	1.89	0.02	0.011	7.192	1.5	450	43.04	42.932	43.119	43.049	0.58	5.93	A1-4 [A2-3	Vo2 / (2(	43.12	44.608	1.49	M1B-1
			Supp.	0	0																															
			Grassed	25	8				0																											
1%	M1B-1	0.0163	Paved	< ------	-------	as above	-------	------>	6	0.009	1M-1	0.079	3.15	0.05			0.081	0.061	2.99	0.04	0.02						44.111	44.111	0.12	3.48	A1-4 [A2-3	Vo2 / (2(	44.11	44.608	0.5	M1B-1
			Grassed						0																											
10%	M1B-2	0.0101	Paved	75	6				6	0.003	M1B-1	0.019	1.89	0.02	TfNSW SET	TfNSW SE	0.019	0.011	1.63	0.01	0.019	7.206	1.5	450	42.882	42.774	43.049	43.046	0.35	5.93	A1-4 [A2-3	Vo2 / (2(	43.05	44.504	1.45	M1B-2
			Supp.	0	0																															
			Grassed	25	8				0																											
1%	M1B-2	0.0101	Paved	< ------	-------	as above	-------	------>	6	0.005	M1B-1	0.065	2.99	0.04			0.066	0.048	2.67	0.04	0.036						44.106	44.105	0.22	3.15	A1-4 [A2-3	Vo2 / (2(	44.11	44.504	0.39	M1B-2
			Grassed						0																											

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: NTS | Grid: GDA2020 | Height Datum: AHD

Drawn	GB
Designed	DG
Checked	AL
Approved	

TfNSW REGISTRATION No.: DS2023/001186

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: STORMWATER DRAINAGE ANALYSIS TABLE SHEET 2

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: SM-2462

Issue: 2

Date Plotted: 13 Apr 2024 - 03:38PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-06-SM-2462.dwg

DRAINAGE CALCULATIONS TABLE

LOCATION AND LAND-USE					TIME AND RUNOFF					INLET DESIGN										PIPE SYSTEM DESIGN								PIT RESULTS					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	31a	31b	32	33	34	35
Design AEP	Pit Name	Sub-Catchment Area (ha)	Land-Use	Percent-age	Constant Flow Time (minutes)	Kinematic Wave or Friends Formula Parameters Length (m)	Slope (%)	Roughness n	Total Time tc (minutes)	Peak Sub-Catchment Flowrate (m^3/s)	Origin of Approach Flows	Overflows Approaching Pit Flowrate (m^3/s)	Flow Width (m)	Depth x Velocity (m^2/s)	Inlet Family	Inlet Size	Total Approach Flow (m^3/s)	Overflow Leaving Pit Bypass Flow (m^3/s)	Flow Width (m)	Depth x Velocity (m^2/s)	Peak Flow in Pipe (m^3/s)	Reach Length (m)	Pipe Slope (m)	Pipe Diameter (mm)	U/S Pipe Invert Level (m)	D/S Pipe Invert Level (m)	U/S HGL in Pipe (m)	D/S HGL in Pipe (m)	Pipe Flow Velocity (m/s)	Pressure Change Coeff. Ku	QUDM Chart No. 2008 [2013]	QUDM Chart Ratios	Water Surface Elevation (m)	Surface Level (m)	Free-board (m)	Pit Name
10%	M1B-3	0.009	Paved	75	6				6	0.003	M1B-2	0.013	1.63	0.01	TfNSW SE	TfNSW SE	0.014	0.006	1.39	0.01	0.026	7.226	1.51	450	42.724	42.615	43.045	43.045	0.21	5.93	A1-4 [A2-3), Vo2 / (2(		43.05	44.38	1.33	M1B-3
			Supp.	0	0																														
			Grassed	25	8				0																										
1%	M1B-3	0.009	Paved	< ------	-------	as above	-------	------>	6	0.005	M1B-2	0.052	2.67	0.04			0.053	0.037	2.39	0.03	0.051						44.097	44.096	0.32	2.87	A1-4 [A2-3), Vo2 / (2(		44.11	44.38	0.27	M1B-3
			Grassed						0																										
10%	M1B-4	0.0097	Paved	75	6				6	0.003	M1B-3	0.009	1.39	0.01	TfNSW SE	TfNSW SE	0.009	0.003	1.26	0.01	0.032	7.179	1.5	450	42.565	42.457	43.045	43.045	0.2	1.74	A1-5 [A2-4)g / Qo = 0		43.05	44.235	1.19	M1B-4
			Supp.	0	0																														
			Grassed	25	8				0																										
1%	M1B-4	0.0097	Paved	< ------	-------	as above	-------	------>	6	0.005	M1B-3	0.041	2.39	0.03			0.042	0.029	2.18	0.03	0.063						44.085	44.084	0.4	2.65	A1-4 [A2-3), Vo2 / (2(		44.1	44.235	0.14	M1B-4
			Grassed						0																										
10%	M1B-5	0.0116	Paved	75	6				6	0.004	M1B-4	0.007	1.26	0.01	TfNSW SE	TfNSW SE	0.007	0.002	1.19	0.01	0.036	7.471	2.53	450	42.407	42.218	43.045	43.045	0.23	1.41	A1-5 [A2-4)g / Qo = 0		43.04	44.079	1.03	M1B-5
			Supp.	0	0																														
			Grassed	25	8				0																										
1%	M1B-5	0.0116	Paved	< ------	-------	as above	-------	------>	6	0.006	M1B-4	0.033	2.18	0.03			0.035	0.022	2	0.02	0.074						44.079	44.077	0.47	1.28	A1-5 [A2-4)g / Qo = 0		44.08	44.079	0	M1B-5
			Grassed						0																										
10%	M2-1	0.0529	Paved	90	6				6	0.019	M2C-1	0.003	4.06	0	Kerb Inlet I	KIP 400x9	0.022	0	0	0	0.02	8.949	0.49	450	42.206	42.162	42.643	42.643	0.13	5.93	A1-4 [A2-3), Vo2 / (2(		42.65	43.237	0.59	M2-1
			Supp.	0	0																														
			Grassed	10	8				0																										
1%	M2-1	0.0529	Paved	< ------	-------	as above	-------	------>	6	0.031	M2C-1	0.005	4.76	0			0.036	0.002	0.38	0.01	0.032						43.189	43.188	0.2	3.64	A1-4 [A2-3), Vo2 / (2(		43.19	43.237	0.04	M2-1
			Grassed						0																										
10%	M2-2	0.1062	Paved	90	6				6	0.037	M1A-1	0	0	0	Kerb Inlet I	KIP 400x9	0.047	0	1.97	0.03	0.032	17.405	0.5	450	42.142	42.055	42.635	42.634	0.2	5.73	A1-4 [A2-3), Vo2 / (2(		42.64	43.214	0.57	M2-2
			Supp.	0	0						M1A-2	0.02	1.86	0.01																						
			Grassed	10	8				0		M2-1	0.007	0	0																						
											M2-3	0.019	6.15	0																						
1%	M2-2	0.1062	Paved	< ------	-------	as above	-------	------>	6	0.062	M1A-1	0	0	0			0.394	0	2.43	0.04	0.107						43.128	43.115	0.67	3.57	A1-4 [A2-3), Vo2 / (2(		43.19	43.214	0.03	M2-2
			Grassed						0		M1A-2	0.327	5.3	0.12																						
											M2-1	0.015	0.38	0.01																						
											M2-3	0.033	6.14	0																						
10%	M2-3	0.0443	Paved	90	6				6	0.016					TfNSW SL	TfNSW SL	0.016	0.008	6.15	0	0.047	23.806	0.5	450	42.035	41.916	42.625	42.621	0.31	2.02	1-20 [A2-3	Qg/Qo=0.3	42.63	43.353	0.72	M2-3
			Supp.	0	0																														
			Grassed	10	8				0																										
1%	M2-3	0.0443	Paved	< ------	-------	as above	-------	------>	6	0.026							0.026	0.015	6.14	0	0.119						43.071	43.035	0.79	1.29	1-20 [A2-3	Qg/Qo=0.2	43.12	43.353	0.24	M2-3
			Grassed						0																										
10%	M2-4	0.0763	Paved	90	6				6	0.027	M2-4.0	0.019	1.09	0.03	TfNSW SL	TfNSW SL	0.029	0	0	0	0.062	15.654	0.5	450	41.896	41.818	42.608	42.604	0.39	2.3	1-20 [A2-3	Qg/Qo=0.4	42.62	43.32	0.7	M2-4
			Supp.	0	0						M2B-1	0.011	0.29	0.07																						
			Grassed	10	8				0																										
1%	M2-4	0.0763	Paved	< ------	-------	as above	-------	------>	6	0.045	M2-4.0	0.031	1	0.05			0.047	0.01	5.27	0	0.139						42.98	42.955	0.87	1.48	1-20 [A2-3	Qg/Qo=0.3	43.03	43.32	0.29	M2-4
			Grassed						0		M2B-1	0.018	0.29	0.09																						
10%	M2-5	0.1746	Paved	90	6				6	0.062	M1-3	0.025	0.64	0.06	Kerb Inlet I	KIP 400x9	0.062	0	0	0	0.11	9.575	0.5	450	41.798	41.75	42.554	42.549	0.69	4.57	A1-4 [A2-3), Vo2 / (2(		42.6	43.174	0.57	M2-5
			Supp.	0	0						M2-4	0	0	0																						
			Grassed	10	8				0		M2-5.0	0.025	1.04	0.04																						
1%	M2-5	0.1746	Paved	< ------	-------	as above	-------	------>	6	0.102	M1-3	0.041	0.92	0.08			0.113	0	0	0	0.19						42.846	42.817	1.19	1.52	A1-5 [A2-4)g / Qo = 0		42.95	43.174	0.22	M2-5
			Grassed						0		M2-4	0.01	5.27	0																						
											M2-5.0	0.041	1.31	0.06																						
10%	M2C-1	0.0118	Paved	90	6				6	0.004	M2C-2	0.008	0.84	0.04	TfNSW SL	TfNSW SL	0.008	0.003	4.06	0	0.005	6.294	0.51	450	42.264	42.232	42.634	42.634	0.03	5.93	A1-4 [A2-3), Vo2 / (2(		42.63	43.396	0.76	M2C-1
			Supp.	0	0																														
			Grassed	10	8				0																										
1%	M2C-1	0.0118	Paved	< ------	-------	as above	-------	------>	6	0.007	M2C-2	0.012	1.04	0.03			0.012	0.005	4.76	0	0.007						43.116	43.117	0.04	3.97	A1-4 [A2-3), Vo2 / (2(		43.12	43.396	0.28	M2C-1
			Grassed						0																										
10%	M2C-2	0.0267	Paved	90	6				6	0.009	M2C-3	0.01	1.04	0.03	TfNSW SL	TfNSW SL	0.013	0.004	0.84	0.04	0.01	11.476	0.5	450	42.212	42.155	42.633	42.633	0.07	5.93	A1-4 [A2-3), Vo2 / (2(		42.63	43.427	0.79	M2C-2
			Supp.	0	0																														
			Grassed	10	8				0																										
1%	M2C-2	0.0267	Paved	< ------	-------	as above	-------	------>	6	0.016	M2C-3	0.017	1.32	0.04			0.02	0.005	1.04	0.03	0.018						43.114	43.114	0.11	3.81	A1-4 [A2-3), Vo2 / (2(		43.12	43.427	0.31	M2C-2
			Grassed						0																										
10%	M2C-3	0.0082	Paved	90	6				6	0.003					TfNSW SL	TfNSW SL	0.003	0.004	1.04	0.03	0.011	10.556	0.5	450	42.135	42.082	42.633	42.634	0.07	1.5	9 [A2-6 & A2	g / Qo = 0	42.63	43.485	0.85	M2C-3
			Supp.	0	0																														
			Grassed	10	8				0																										
1%	M2C-3	0.0082	Paved	< ------	-------	as above	-------	------>	6	0.005							0.005	0.004	1.32	0.04	0.019						43.114	43.115	0.12	1.24	9 [A2-6 & A2	g / Qo = 0	43.11	43.485	0.37	M2C-3
			Grassed						0																										

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: NTS | Drawn: GB | Designed: DG | Checked: AL | Approved:

Grid: GDA2020 | Height Datum: AHD

TfNSW REGISTRATION No.: DS2023/001186

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: STORMWATER DRAINAGE ANALYSIS TABLE SHEET 3

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: SM-2463

Issue: 2

Date Plotted: 13 Apr 2024 - 03:38PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-06-SM-2463.dwg

DRAINAGE CALCULATIONS TABLE

LOCATION AND LAND-USE					TIME AND RUNOFF					INLET DESIGN										PIPE SYSTEM DESIGN								PIT RESULTS						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	31a	31b	32	33	34	35
Design AEP	Pit Name	Sub-Catchment Area (ha)	Land-Use	Percent-age	Constant Flow Time (minutes)	Kinematic Wave or Friends Formula Parameters Length (m)	Slope (%)	Roughness n	Total Time tc (minutes)	Peak Sub-Catchment Flowrate (m^3/s)	Origin of Approach Flows	Overflows Approaching Pit Flowrate (m^3/s)	Flow Width (m)	Depth x Velocity (m^2/s)	Inlet Family	Inlet Size	Total Approach Flow (m^3/s)	Overflow Leaving Pit Bypass Flow (m^3/s)	Flow Width (m)	Depth x Velocity (m^2/s)	Peak Flow in Pipe (m^3/s)	Reach Length (m)	Pipe Slope (m)	Pipe Diameter (mm)	U/S Pipe Invert Level (m)	D/S Pipe Invert Level (m)	U/S HGL in Pipe (m)	D/S HGL in Pipe (m)	Pipe Flow Velocity (m/s)	Pressure Change Coeff. Ku	QUDM Chart No. 2008 [2013]	QUDM Chart Ratios	Water Surface Elevation (m)	Surface Level (m)	Free-board (m)	Pit Name
10%	**M5-1**	0.0735	Paved	90	6				6	0.026	M2-2	0.021	1.97	0.03	Kerb Inlet I	KIP 400x9	0.026	0	1.58	0.04	0.021	24	0.5	375	42.218	42.098	42.377	42.272	0.47	5.93	A1-4 [A2-3), Vo2 / (2		42.38	43.145	0.77	**M5-1**
			Supp.	0	0																															
			Grassed	10	8				0																											
1%	**M5-1**	0.0735	Paved	< ------	-------	as above	-------	------>	6	0.043	M2-2	0.034	2.43	0.04			0.043	0.001	1.98	0.05	0.032						42.456	42.439	0.44	5.93	A1-4 [A2-3), Vo2 / (2		42.48	43.145	0.66	**M5-1**
			Grassed						0																											
10%	**M5-2**	0.0611	Paved	90	6				6	0.022	M5-1	0.021	1.58	0.04	Kerb Inlet I	KIP 400x9	0.022	0	1.57	0.04	0.041	24	0.5	375	42.058	41.938	42.217	42.127	0.92	5.93	A1-4 [A2-3), Vo2 / (2		42.27	43.025	0.75	**M5-2**
			Supp.	0	0																															
			Grassed	10	8				0																											
1%	**M5-2**	0.0611	Paved	< ------	-------	as above	-------	------>	6	0.036	M5-1	0.036	1.98	0.05			0.037	0.002	1.99	0.05	0.064						42.342	42.32	0.72	5.93	A1-4 [A2-3), Vo2 / (2		42.44	43.025	0.59	**M5-2**
			Grassed						0																											
10%	**M5-3**	0.0602	Paved	90	6				6	0.021	M5-2	0.021	1.57	0.04	Kerb Inlet I	KIP 400x9	0.021	0	1.5	0.04	0.061	24	0.5	375	41.898	41.778	42.102	42.015	0.99	1.73	A1-5 [A2-4]g / Qo = 0		42.13	42.904	0.78	**M5-3**
			Supp.	0	0																															
			Grassed	10	8				0																											
1%	**M5-3**	0.0602	Paved	< ------	-------	as above	-------	------>	6	0.035	M5-2	0.036	1.99	0.05			0.037	0.002	2.01	0.05	0.095						42.254	42.207	0.88	1.8	A1-5 [A2-4]g / Qo = 0		42.32	42.904	0.58	**M5-3**
			Grassed						0																											
10%	**M5-4**	0.0599	Paved	90	6				6	0.021	M5-3	0.021	1.5	0.04	Kerb Inlet I	KIP 400x9	0.021	0	0	0	0.102	23.79	0.5	375	41.738	41.619	41.971	41.849	1.44	1.41	A1-5 [A2-4]g / Qo = 0		42.01	42.784	0.77	**M5-4**
			Supp.	0	0																															
			Grassed	10	8				0																											
1%	**M5-4**	0.0599	Paved	< ------	-------	as above	-------	------>	6	0.035	M5-3	0.036	2.01	0.05			0.037	0	0	0	0.16						42.113	41.993	1.45	1.49	A1-5 [A2-4]g / Qo = 0		42.21	42.784	0.58	**M5-4**
			Grassed						0																											
10%	**M2B-1**	0.0186	Paved	100	6				6	0.007	M2B-0	0.007	0.78	0.02	TfNSW SL	TfNSW SL	0.007	0.002	0.29	0.07	0.004	11.89	1.08	450	42.079	41.95	42.621	42.621	0.02	5.5	A1-4 [A2-3], Vo2 / (2		42.62	43.612	0.99	**M2B-1**
			Supp.	0	2																															
			Grassed	0	8				2																											
1%	**M2B-1**	0.0186	Paved	< ------	-------	as above	-------	------>	6	0.011	M2B-0	0.011	1.16	0.03			0.012	0.002	0.29	0.09	0.007						43.035	43.035	0.04	3.52	A1-4 [A2-3], Vo2 / (2		43.04	43.612	0.57	**M2B-1**
			Grassed						2																											
10%	**M4-1**	0.059	Paved	90	6				6	0.021	M4-2	0.02	1.39	0.04	Kerb Inlet I	KIP 400x9	0.021	0	0	0	0.019	35.841	0.5	375	42.455	42.276	42.608	42.449	0.46	5.93	A1-4 [A2-3), Vo2 / (2		42.61	43.504	0.9	**M4-1**
			Supp.	0	0																															
			Grassed	10	8				0																											
1%	**M4-1**	0.059	Paved	< ------	-------	as above	-------	------>	6	0.034	M4-2	0.034	2.08	0.05			0.035	0.002	2.65	0	0.032						42.634	42.523	0.61	5.93	A1-4 [A2-3), Vo2 / (2		42.66	43.504	0.85	**M4-1**
			Grassed						0																											
10%	**M4-2**	0.0565	Paved	90	6				6	0.02	N6400815	0.019	1.67	0.04	Kerb Inlet I	KIP 400x9	0.02	0	1.39	0.04	0.037	9.244	0.5	375	42.246	42.2	42.39	42.326	1.14	5.93	A1-4 [A2-3), Vo2 / (2		42.45	43.712	1.26	**M4-2**
			Supp.	0	0																															
			Grassed	10	8				0																											
1%	**M4-2**	0.0565	Paved	< ------	-------	as above	-------	------>	6	0.033	N6400815	0.032	2.03	0.05			0.034	0.001	2.08	0.05	0.061						42.425	42.365	1.3	5.93	A1-4 [A2-3), Vo2 / (2		42.52	43.712	1.19	**M4-2**
			Grassed						0																											
10%	**M1-1**		Paved												PIPE CON	PIPE CON	0				3.08	16.171	0.6	3W x 0.6H	42.175	42.078	42.928	42.905	1.71	not calculated			42.95	44.262	1.31	**M1-1**
			Supp.																																	
			Grassed																																	
1%	**M1-1**		Paved	< ------	-------	as above	-------	------>									0				3.219						43.33	43.302	1.79	not calculated			43.36	44.262	0.9	**M1-1**
			Grassed																																	
10%	**M1-2**	0.0803	Paved	80	6				6	0.026	1A-10	0.037	2	0.06	Kerb Inlet I	KIP 400x9	0.038	0	0.86	0.05	3.003	20.904	0.6	3W x 0.6H	42.058	41.933	42.876	42.844	1.67	not calculated			42.9	44.229	1.32	**M1-2**
			Supp.	0	0																															
			Grassed	20	8				0																											
1%	**M1-2**	0.0803	Paved	< ------	-------	as above	-------	------>	6	0.044	1A-10	0.081	2.68	0.08			0.084	0.004	1.2	0.07	3.239						43.271	43.236	1.8	not calculated			43.3	44.229	0.93	**M1-2**
			Grassed						0																											

Issue	Description	Date
1	ISSUED FOR 100% DESIGN	15-04-24

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	NTS	Drawn	GB
		Designed	DG
Grid	GDA2020	Checked	AL
Height Datum	AHD	Approved	

TfNSW REGISTRATION No.

DS2023/001186

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: STORMWATER DRAINAGE ANALYSIS TABLE SHEET 4

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: SM-2464

Issue: 1

Date Plotted: 13 Apr 2024 - 03:38PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-06-SM-2464.dwg

LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- EXISTING CONTOUR 43.00
- PROPOSED CONTOUR 43.00
- PROPOSED SUBSURFACE DRAINAGE

LOT 8
DP253503

LOT 10
DP1296455

PROPOSED SUBSURFACE DRAINAGE OUTLET STRUCTRE

MAMRE ROAD

LIMIT OF WORKS

PROPOSED SUBSURFACE DRAINAGE TO OUTLET AT PROPOSED HEADWALL

PROPOSED SUBSURFACE DRAINAGE TO OUTLET AT PROPOSED HEADWALL

FOR CONTINUATION REFER DRAWING SM-2482

LOT 38
DP258414

LOT 39
DP258414

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 500 @ A1
Grid: GDA2020
Height Datum: AHD

Drawn	GB
Designed	DG
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title
SUBSURFACE DRAINAGE PLAN SHEET 1

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

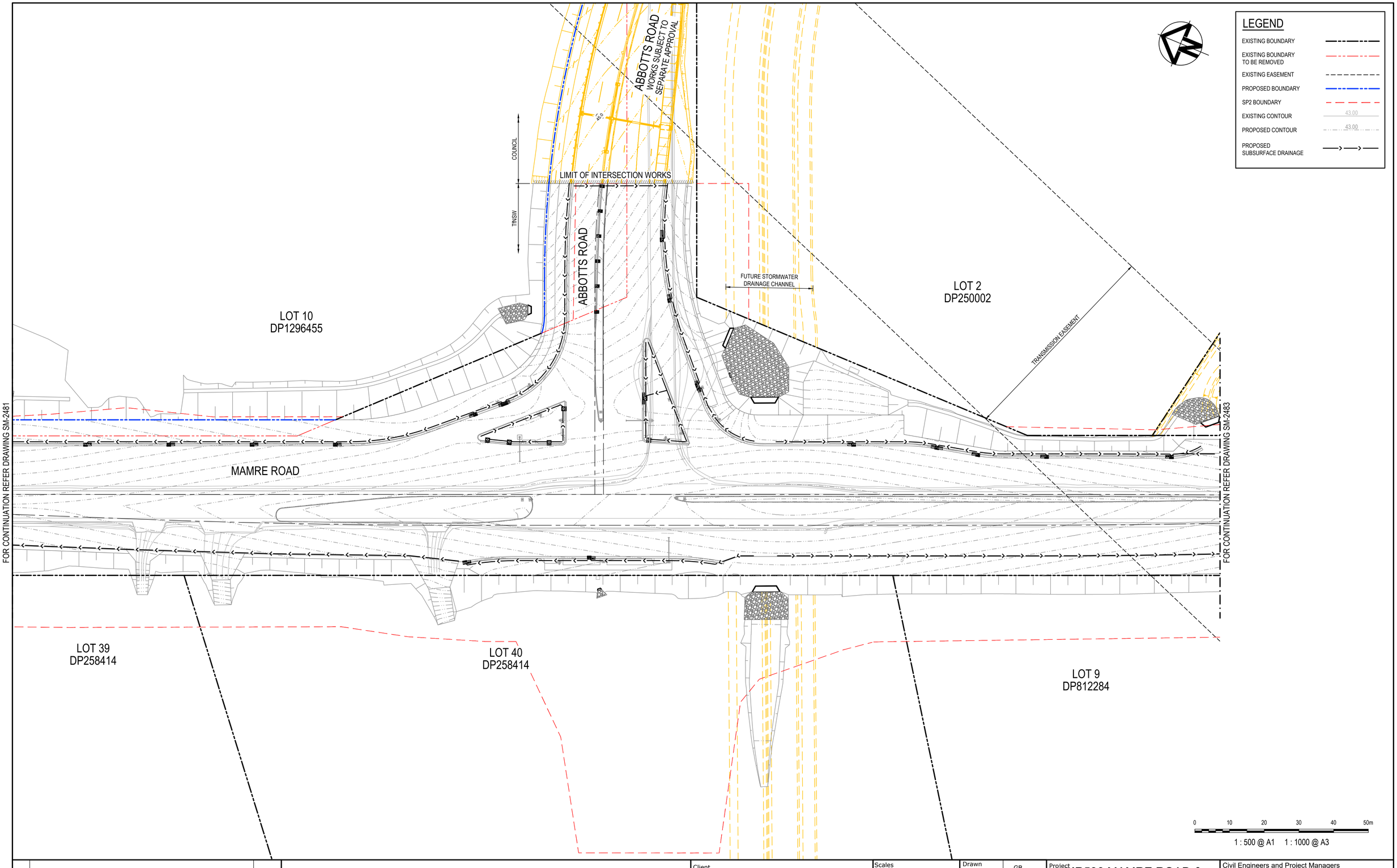
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: SM-2481

Issue: 2

Date Plotted: 13 Apr 2024 - 03:38PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-06-SM-2481.dwg



Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client

FRASERS PROPERTY · ESR · Stockland · FIFECAPITAL

Scales: 1 : 500 @ A1

Grid: GDA2020

Height Datum: AHD

TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	DG
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: SUBSURFACE DRAINAGE PLAN SHEET 2

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

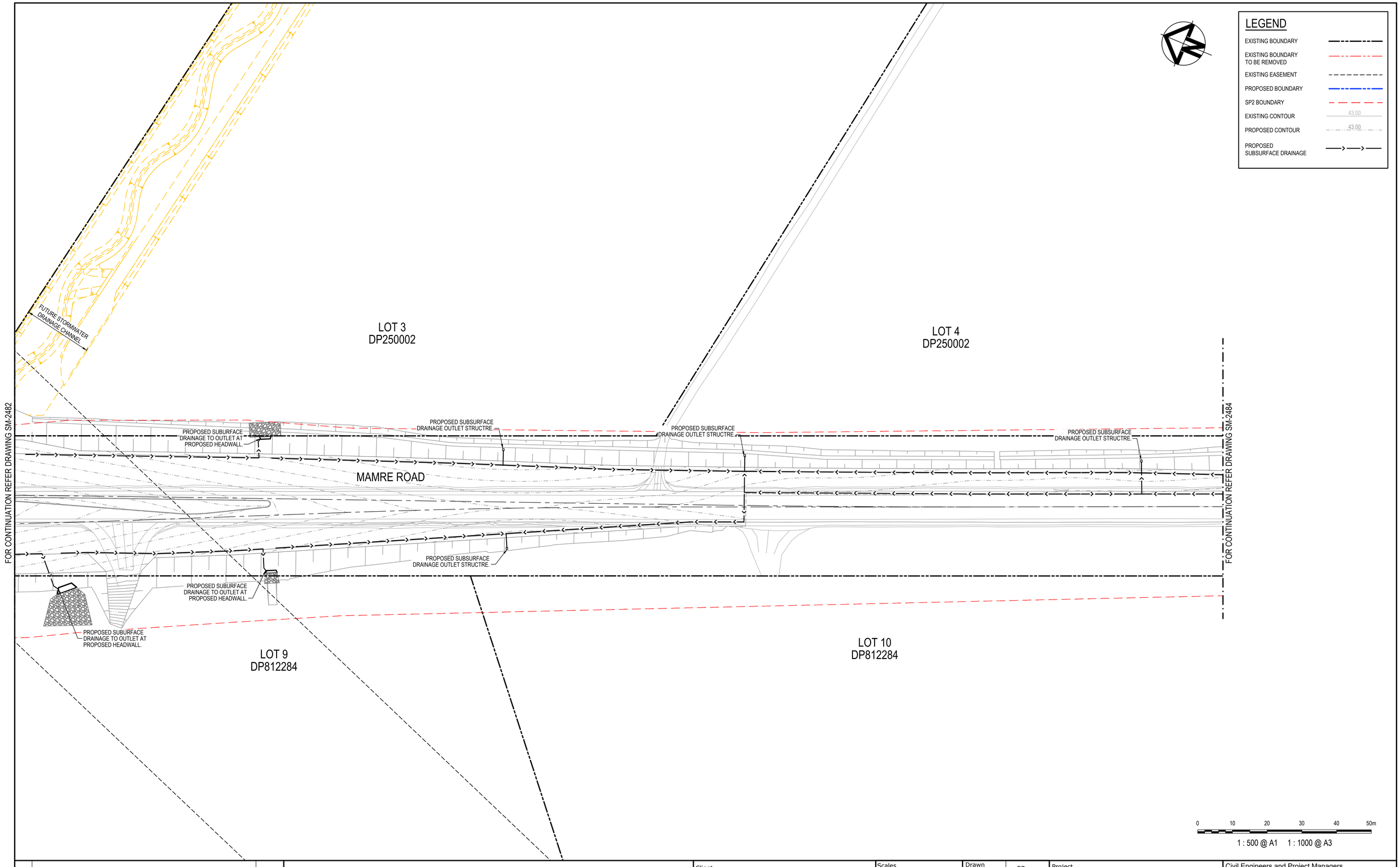
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: SM-2482

Issue: 2

Date Plotted: 13 Apr 2024 - 03:39PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-06-SM-2482.dwg



Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 500 @ A1
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	DG
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: SUBSURFACE DRAINAGE PLAN SHEET 3

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: SM-2483

Issue: 2

Date Plotted: 13 Apr 2024 - 03:39PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-06-SM-2483.dwg

LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- EXISTING CONTOUR 43.00
- PROPOSED CONTOUR 43.00
- PROPOSED SUBSURFACE DRAINAGE

LOT 5
DP250002

LOT 6
DP250002

PROPOSED SUBURFACE DRAINAGE TO OUTLET AT PROPOSED HEADWALL

PROPOSED SUBURFACE DRAINAGE TO OUTLET AT PROPOSED HEADWALL

MAMRE ROAD

LIMIT OF WORKS

FOR CONTINUATION REFER DRAWING SM-2483

LOT 10
DP812284

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 500 @ A1
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn: GB
Designed: DG
Checked: AL
Approved:

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: SUBSURFACE DRAINAGE PLAN SHEET 4

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

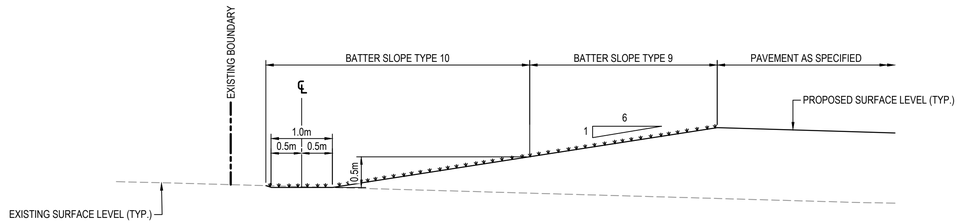
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: SM-2484

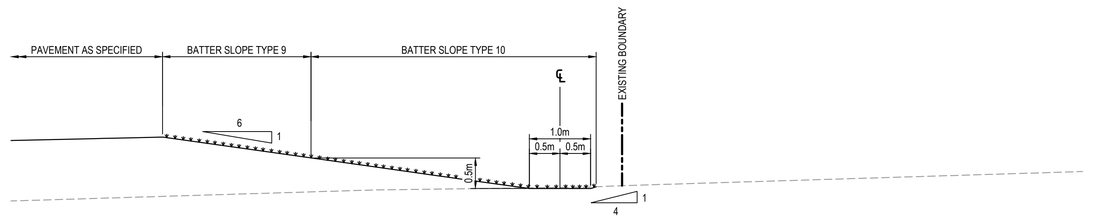
Issue: 2

Date Plotted: 13 Apr 2024 - 03:39PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-06-SM-2484.dwg



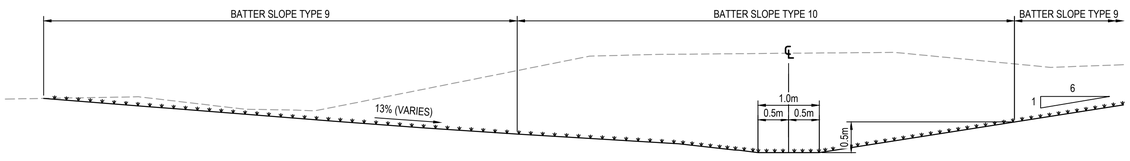
SECTION 1 / SM-2401
1 : 50

SWALE 01 TYPICAL SECTION



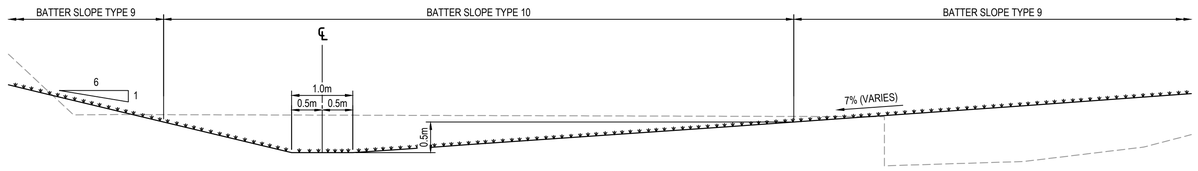
SECTION 2 / SM-2401
1 : 50

SWALE 02 TYPICAL SECTION



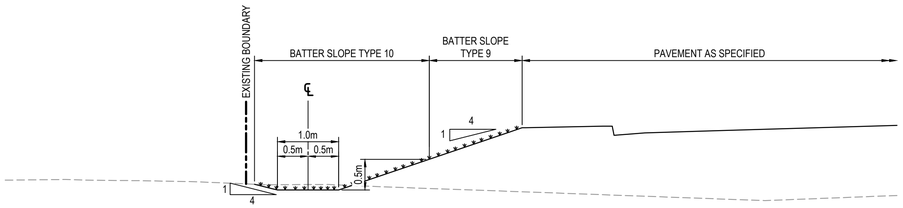
SECTION 3 / SM-2402
1 : 50

SWALE 03 TYPICAL SECTION



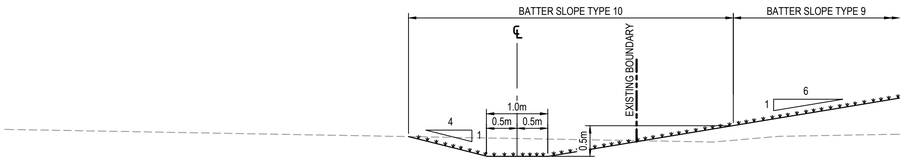
SECTION 4 / SM-2402
1 : 50

SWALE 04 TYPICAL SECTION



SECTION 5 / SM-2404
1 : 50

SWALE 05 TYPICAL SECTION



SECTION 6 / SM-2407
1 : 50

SWALE 06 TYPICAL SECTION

0 1 2 3 4 5m

1 : 50 @ A1 1 : 100 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: AS SHOWN
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	DG
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: STORMWATER SWALE SECTIONS SHEET 1

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

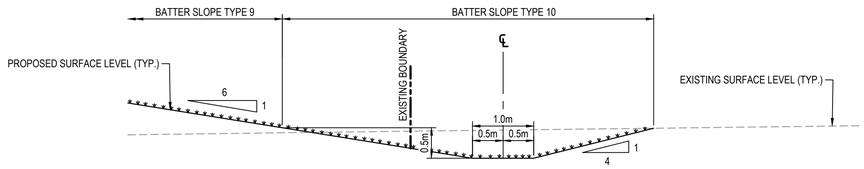
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: SM-2491

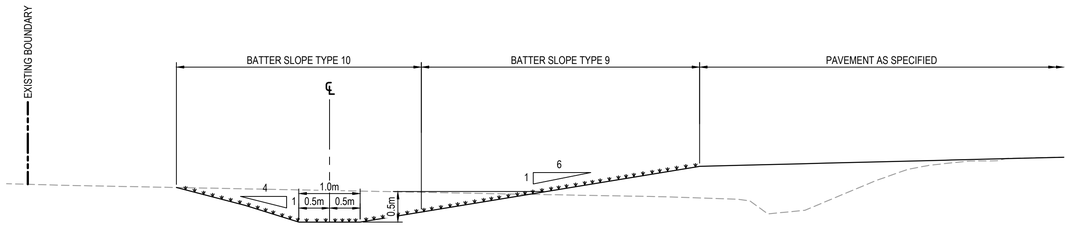
Issue: 2

Date Plotted: 13 Apr 2024 - 03:40PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-06-SM-2491.dwg



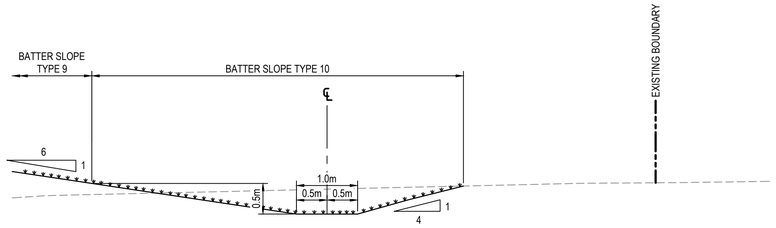
SECTION 7 (SM-2404)
1 : 50

SWALE 07 TYPICAL SECTION



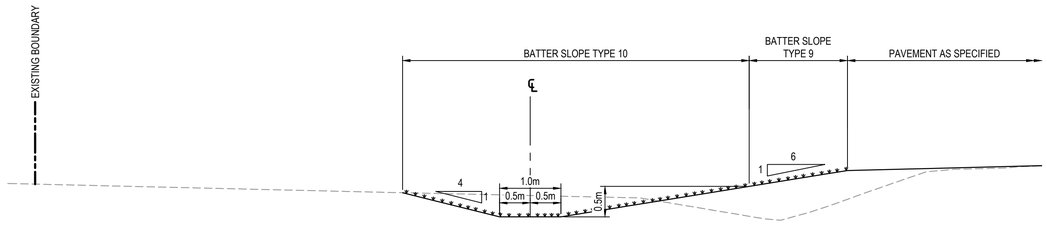
SECTION 8 (SM-2406)
1 : 50

SWALE 08 TYPICAL SECTION



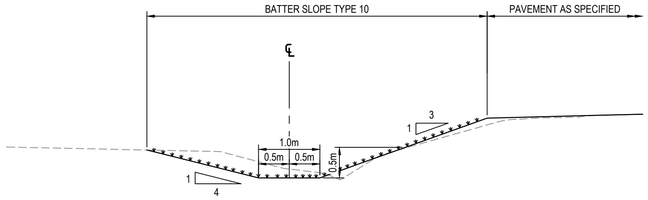
SECTION 9 (SM-2406)
1 : 50

SWALE 09 TYPICAL SECTION



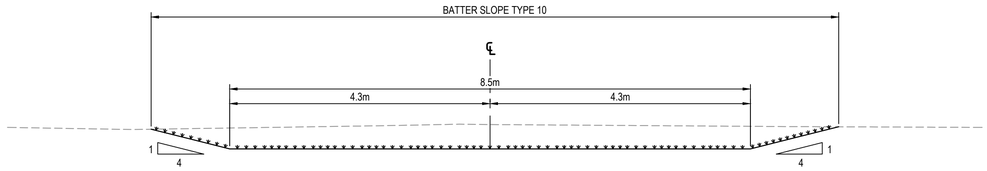
SECTION 10 (SM-2404)
1 : 50

SWALE 10 TYPICAL SECTION



SECTION 12 (SM-2407)
1 : 50

SWALE 12 TYPICAL SECTION



SECTION 13 (SM-2403)
1 : 50

SWALE 13 TYPICAL SECTION

NOTE
TEMPORARY SWALE SUBJECT TO SYDNEY WATER TRUNK DRAINAGE CONSTRUCTION.

0 1 2 3 4 5m
1 : 50 @ A1 1 : 100 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	AS SHOWN
Grid	GDA2020
Height Datum	AHD
Drawn	GB
Designed	DG
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

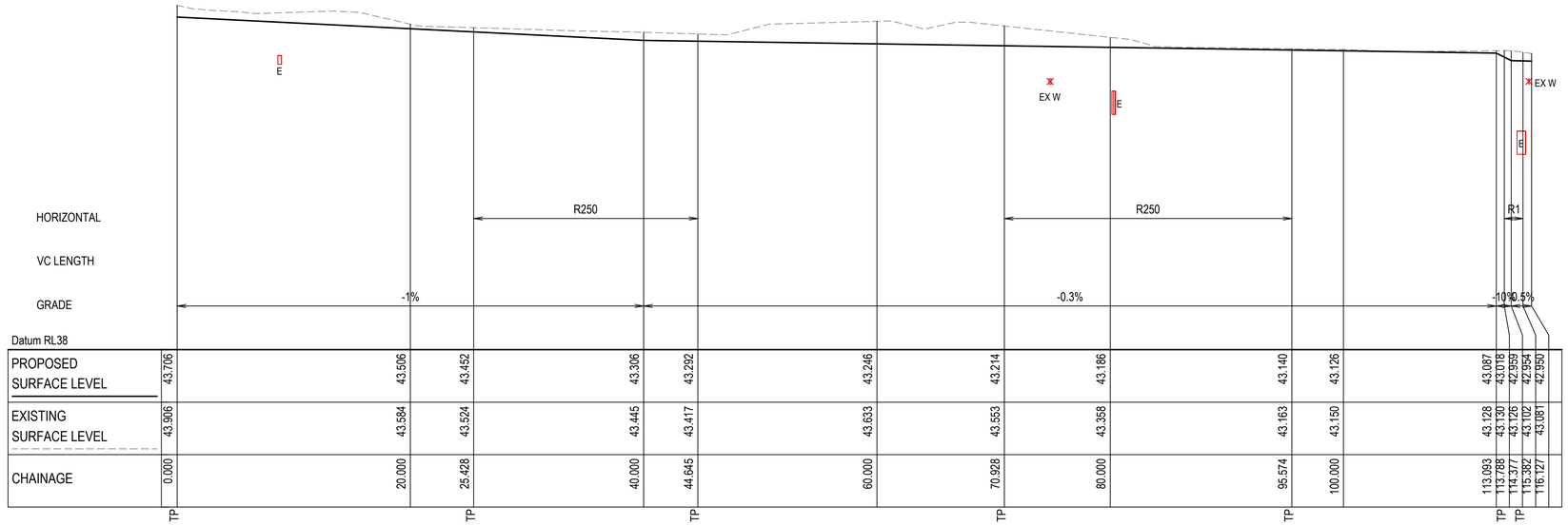
Title
STORMWATER SWALE SECTIONS SHEET 2

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

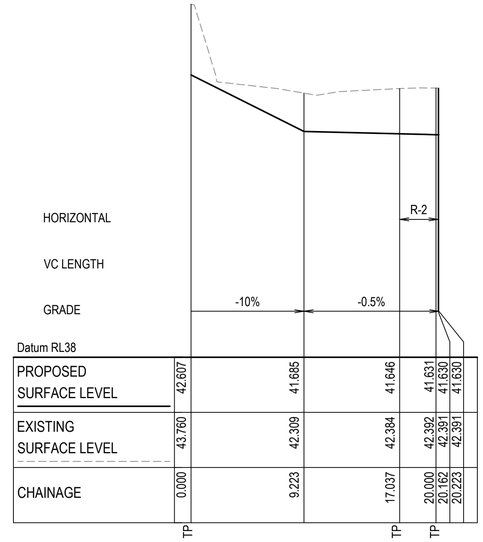
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Project - Drawing No.: SM-2492
Issue: 2

Date Plotted: 13 Apr 2024 - 03:40PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-06-SM-2492.dwg


E
EX W
E
EX W
E
HORIZONTAL
R250
R250
R1
VC LENGTH
GRADE
-1%
-0.3%
-10%
0.5%
Datum RL38

| | | |



Datum RL38

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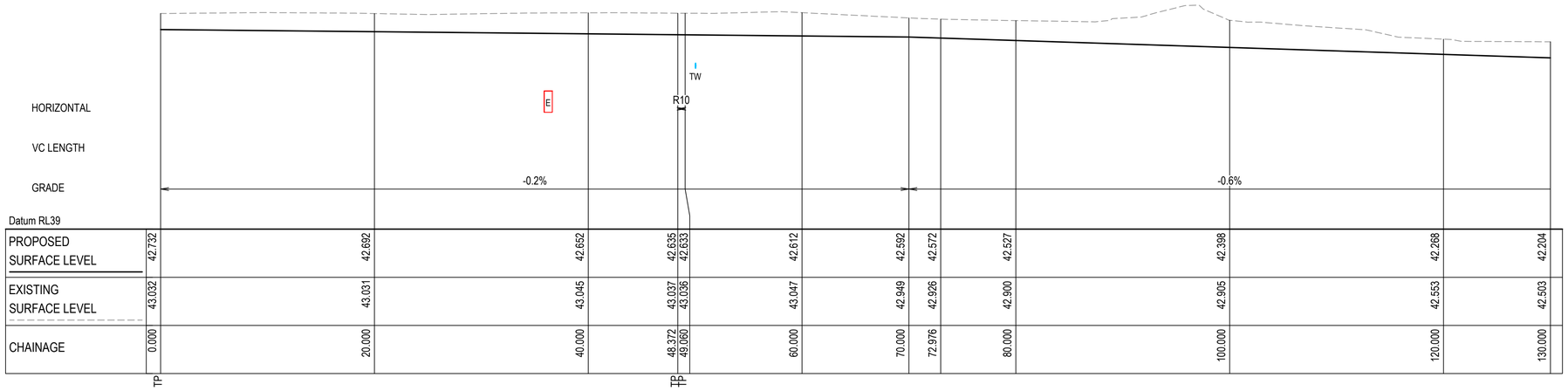
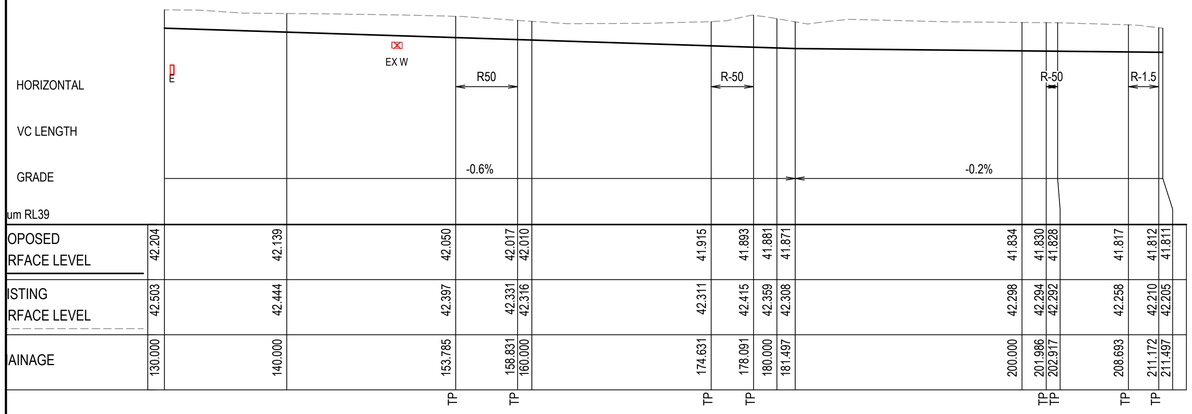


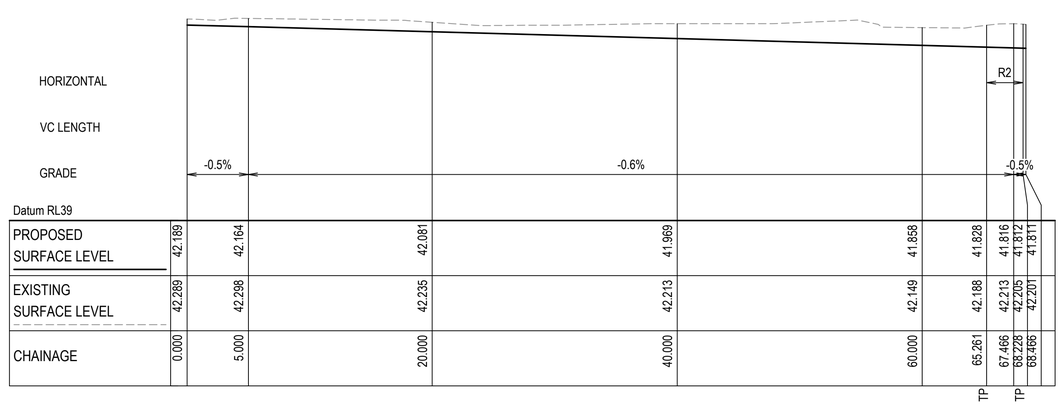
SWALE 07 LONGITUDINAL SECTION

SCALE 1:250 HORI.
1:50 VERT.



SWALE 07 LONGITUDINAL SECTION

SCALE 1:250 HORI.
1:50 VERT.



SWALE 06 LONGITUDINAL SECTION

SCALE 1:250 HORI.
1:50 VERT.

0 1 2 3 4 5m
1 : 50 @ A1 1 : 100 @ A3

0 5 10 15 20 25m
1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: AS SHOWN
Grid: GDA2020
Height Datum: AHD

Drawn	GB
Designed	DG
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

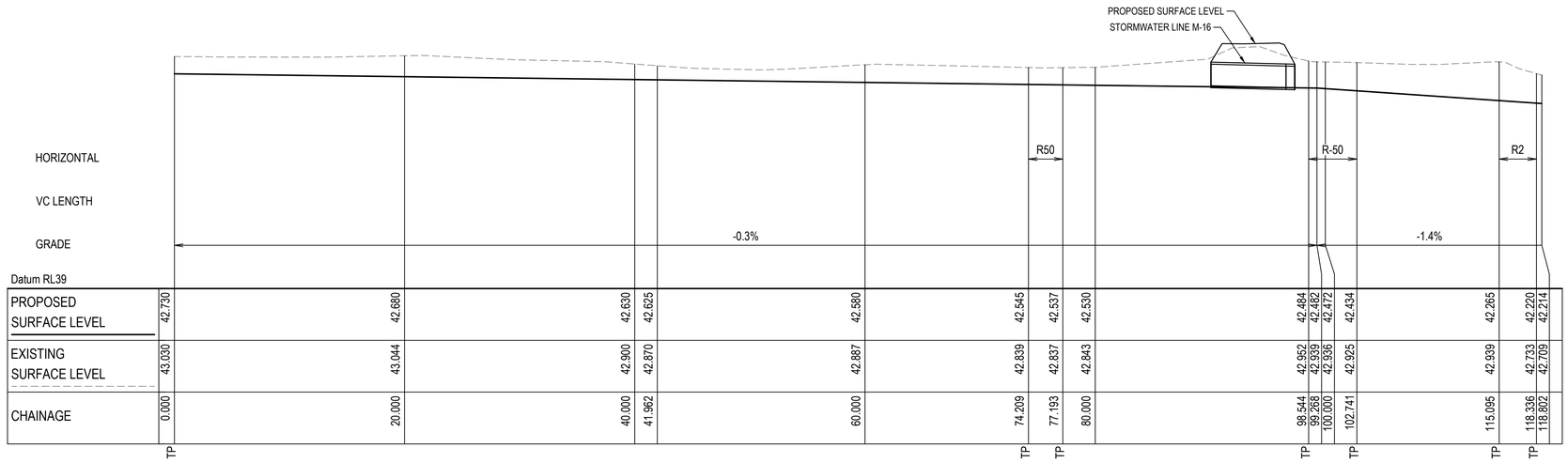
Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title
STORMWATER SWALE LONGITUDINAL SECTIONS SHEET 3

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

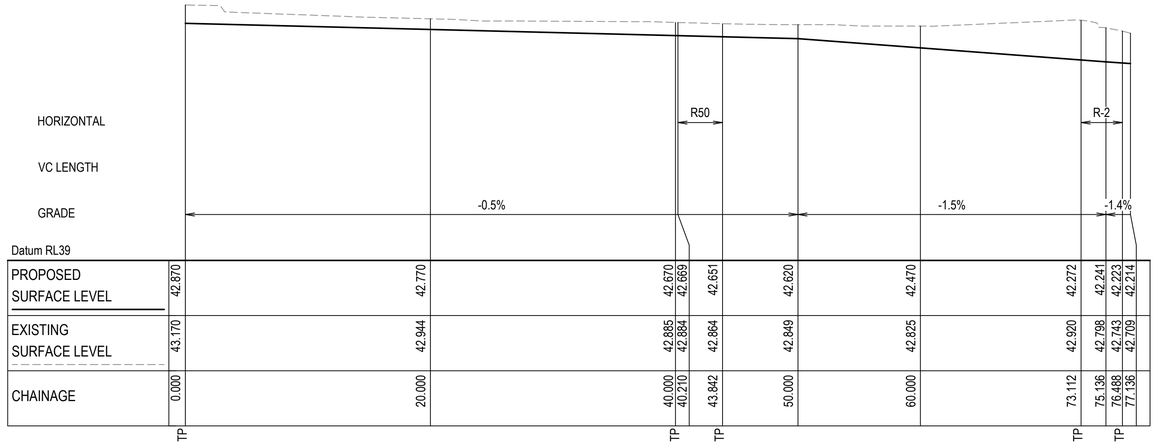
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Project - Drawing No.: SM-2495
Issue: 2



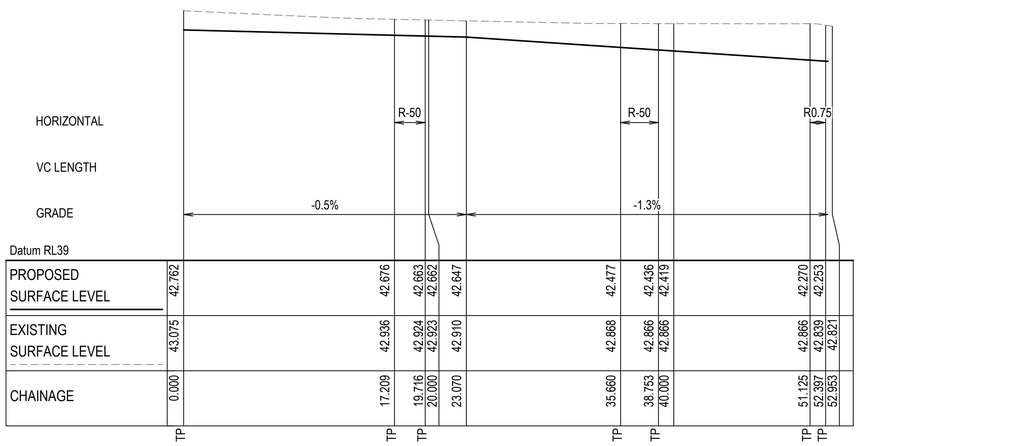
SWALE 08 LONGITUDINAL SECTION

SCALE 1:250 HORI.
1:50 VERT.



SWALE 09 LONGITUDINAL SECTION

SCALE 1:250 HORI.
1:50 VERT.



SWALE 10 LONGITUDINAL SECTION

SCALE 1:250 HORI.
1:50 VERT.

0 1 2 3 4 5m
1 : 50 @ A1 1 : 100 @ A3

0 5 10 15 20 25m
1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	AS SHOWN
Grid	GDA2020
Height Datum	AHD
Drawn	GB
Designed	DG
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

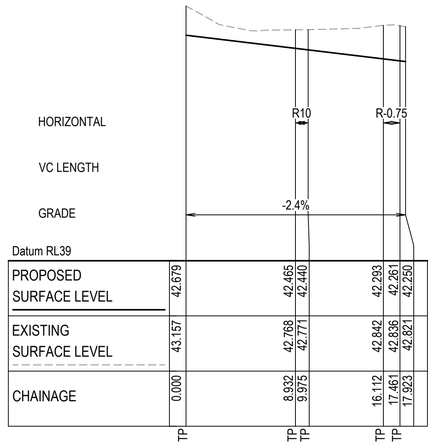
Title
STORMWATER SWALE LONGITUDINAL SECTIONS SHEET 4

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

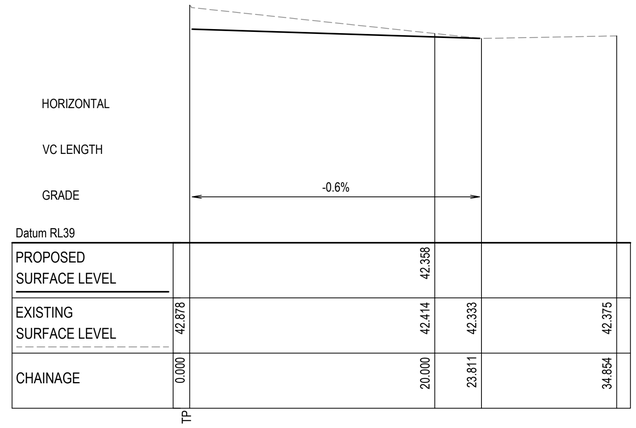
Project - Drawing No.: SM-2496
Issue: 2

Date Plotted: 13 Apr 2024 - 03:40PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-06-SM-2496.dwg



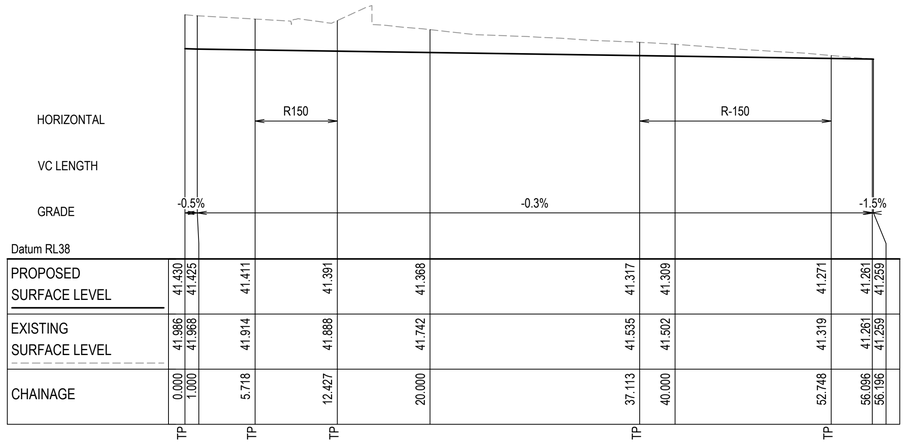
SWALE 11 LONGITUDINAL SECTION

SCALE 1:250 HORI.
1:50 VERT.



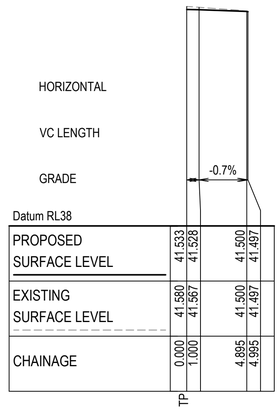
SWALE 12 LONGITUDINAL SECTION

SCALE 1:250 HORI.
1:50 VERT.



SWALE 13 LONGITUDINAL SECTION

SCALE 1:250 HORI.
1:50 VERT.



SWALE 14 LONGITUDINAL SECTION

SCALE 1:250 HORI.
1:50 VERT.

0 1 2 3 4 5m
1 : 50 @ A1 1 : 100 @ A3

0 5 10 15 20 25m
1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: AS SHOWN
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	DG
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: STORMWATER SWALE LONGITUDINAL SECTIONS SHEET 5

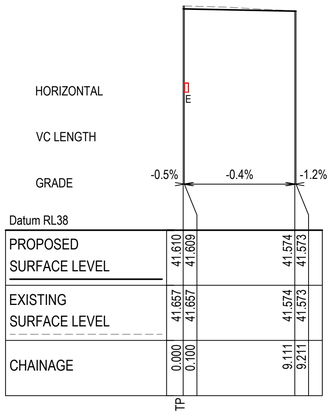
Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: SM-2497

Issue: 2

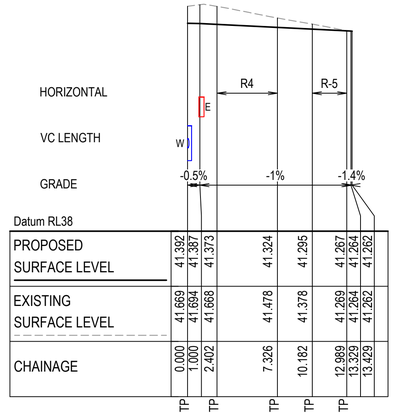


Datum RL38

PROPOSED SURFACE LEVEL	41.610	41.609	41.574	41.573	
EXISTING SURFACE LEVEL	41.657	41.657	41.574	41.573	
CHAINAGE	0.000	0.100	9.111	9.211	
	TP				

SWALE 15 LONGITUDINAL SECTION

SCALE 1:250 HORI.
1:50 VERT.

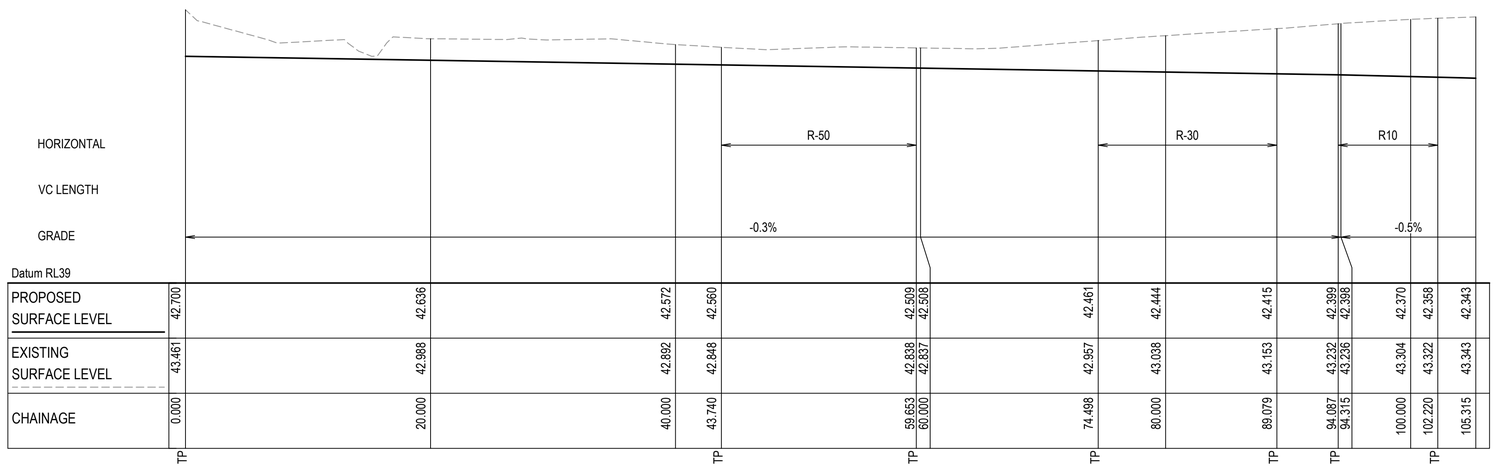


Datum RL38

PROPOSED SURFACE LEVEL	41.392	41.387	41.373	41.324	41.295	41.267	41.264	41.262
EXISTING SURFACE LEVEL	41.669	41.694	41.668	41.478	41.378	41.269	41.264	41.262
CHAINAGE	0.000	1.000	2.402	7.326	10.182	12.989	13.329	13.429
	TP	TP	TP	TP	TP	TP		

SWALE 16 LONGITUDINAL SECTION

SCALE 1:250 HORI.
1:50 VERT.



Datum RL39

PROPOSED SURFACE LEVEL	42.700	42.636	42.572	42.560	42.509	42.508	42.461	42.444	42.415	42.399	42.398	42.370	42.358	42.343
EXISTING SURFACE LEVEL	43.461	42.988	42.892	42.848	42.838	42.837	42.957	43.038	43.153	43.232	43.236	43.304	43.322	43.343
CHAINAGE	0.000	20.000	40.000	43.740	59.653	60.000	74.498	80.000	89.079	94.087	94.315	100.000	102.220	105.315
	TP			TP	TP		TP		TP	TP		TP		

SWALE 17 LONGITUDINAL SECTION

SCALE 1:250 HORI.
1:50 VERT.

0 1 2 3 4 5m
1 : 50 @ A1 1 : 100 @ A3

0 5 10 15 20 25m
1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	AS SHOWN	Drawn	GB
		Designed	DG
Grid	GDA2020	Checked	AL
Height Datum	AHD	Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title
STORMWATER SWALE LONGITUDINAL SECTIONS SHEET 6

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Project - Drawing No.: SM-2498
Issue: 2

Date Plotted: 13 Apr 2024 - 03:40PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-06-SM-2498.dwg

LOT 8
DP253503

LOT 10
DP1296455

CT 125.012

40 60 80 100 120 140 160 180 200

MAMRE ROAD

MC01

MC02

LIMIT OF WORKS

1.2m

1.2m

MAKE SMOOTH CONNECTION
TO EXISTING PAVEMENT

9 PV-2525

7 PV-2525

6 PV-2521

7 PV-2525

6 PV-2521

6 PV-2521

FOR CONTINUATION REFER DRAWING PV-2502

125.013 140 151.421 160 180 200

LOT 38
DP258414

LOT 39
DP258414

LEGEND

- EXISTING PAVEMENT
- PAVEMENT TYPE 1 — FULL DEPTH ROAD PAVEMENT
- PAVEMENT TYPE 2 — ASPHALT CORRECTIVE OVERLAY
- PAVEMENT TYPE 3 — SHARED PATH/FOOTPATH
- PAVEMENT TYPE 4 — RAISED MEDIAN INFILL
- PAVEMENT TYPE 5 — MEDIAN OVER PAVEMENT TYPE 1
- PAVEMENT TYPE 6 — ACCESS DRIVEWAY
- PAVEMENT TYPE 7 — SUBSTATION ACCESS
- PAVEMENT TYPE 8 — STABILISED SAND STORMWATER TRENCH. REFER DRAWING PV-2522 FOR DETAILS.
- HIGH FRICTION ASPHALT MINIMUM PAFV>58
- BATTER SLOPE TYPE 9 — 100mm TOP SOIL (TfNSW 178) AND HYDROMULCH (TfNSW R178)
- BATTER SLOPE TYPE 10 — HYDROMULCH (TfNSW R178) ON SOIL SAVER JUTE MESH (TfNSW R178)
- VERGE AREAS — 25mm TURF (TfNSW 178) ON 100mm TOP SOIL (TfNSW 178) ON INSITU COMPACTED SUBGRADE (R44)
- SIGNAL DETECTOR
- SCOUR PROTECTION
- TOOLED JOINT
- EXPANSION JOINT
- SAWN JOINT
- SUBSURFACE DRAINAGE

EXISTING PAVEMENT BOREHOLE DETAILS

BH01	200mm	TOPSOIL
	1800mm	SILTY CLAY
BH02	200mm	TOPSOIL
	1600mm	SILTY CLAY
BH03	300mm	ROADBASE
	1700mm	SILTY CLAY
BH04	150mm	ASPHALT
	350mm	ROADBASE
	1300mm	SILTY CLAY
BH05	150mm	ASPHALT
	450mm	ROADBASE
	1400mm	SILTY CLAY
BH06	150mm	ASPHALT
	450mm	ROADBASE
	1400mm	SILTY CLAY
BH07	200mm	TOPSOIL
	1800mm	SILTY CLAY
BH08	150mm	TOPSOIL
	1850mm	SILTY CLAY
BH09	200mm	TOPSOIL
	1800mm	SILTY CLAY
BH10	150mm	TOPSOIL
	1850mm	SILTY CLAY

NOTE
PROVIDED FOR INFORMATION ONLY. REFER ADE CONSULTING GROUP GEOTECHNICAL REPORT A201021.1725.07_A FOR DETAILS.

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 250 @ A1
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	GB
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: PAVEMENT PLAN SHEET 1

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

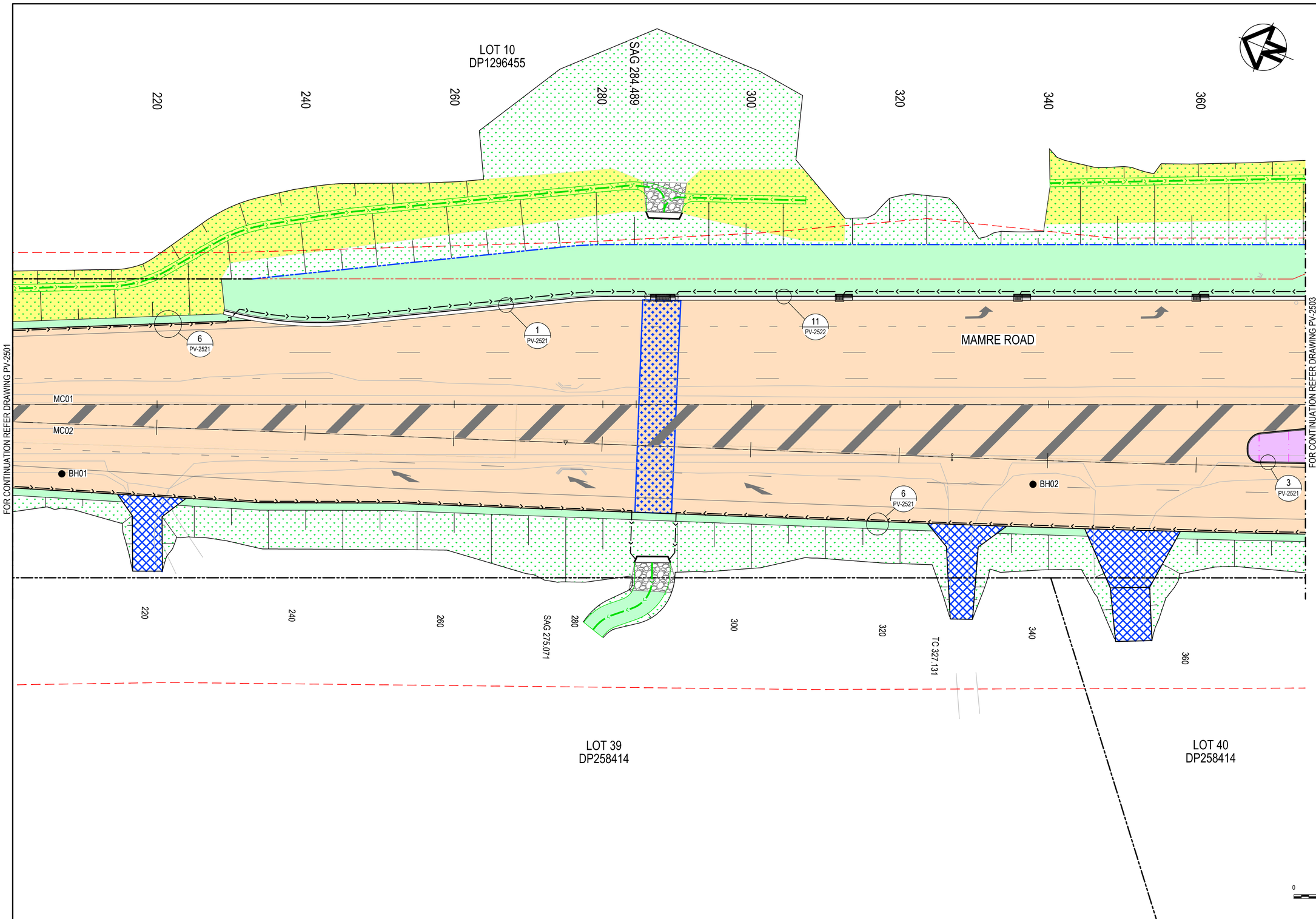
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: PV-2501

Issue: 2

Date Plotted: 15 Apr 2024 - 10:37AM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-07-PV-2501.dwg



LEGEND

- EXISTING PAVEMENT
- PAVEMENT TYPE 1 — FULL DEPTH ROAD PAVEMENT
- PAVEMENT TYPE 2 — ASPHALT CORRECTIVE OVERLAY
- PAVEMENT TYPE 3 — SHARED PATH/FOOTPATH
- PAVEMENT TYPE 4 — RAISED MEDIAN INFILL
- PAVEMENT TYPE 5 — MEDIAN OVER PAVEMENT TYPE 1
- PAVEMENT TYPE 6 — ACCESS DRIVEWAY
- PAVEMENT TYPE 7 — SUBSTATION ACCESS
- PAVEMENT TYPE 8 — STABILISED SAND STORMWATER TRENCH. REFER DRAWING PV-2522 FOR DETAILS.
- HIGH FRICTION ASPHALT MINIMUM PAFV>58
- BATTER SLOPE TYPE 9 — 100mm TOP SOIL (TfNSW 178) AND HYDROMULCH (TfNSW R178)
- BATTER SLOPE TYPE 10 — HYDROMULCH (TfNSW R178) ON SOIL SAVER JUTE MESH (TfNSW R178)
- VERGE AREAS — 25mm TURF (TfNSW 178) ON 100mm TOP SOIL (TfNSW 178) ON INSITU COMPACTED SUBGRADE (R44)
- SIGNAL DETECTOR
- SCOUR PROTECTION
- TOOLED JOINT
- EXPANSION JOINT
- SAWN JOINT
- SUBSURFACE DRAINAGE

EXISTING PAVEMENT BOREHOLE DETAILS

BH01	200mm	TOPSOIL
	1800mm	SILTY CLAY
BH02	200mm	TOPSOIL
	1600mm	SILTY CLAY
BH03	300mm	ROADBASE
	1700mm	SILTY CLAY
BH04	150mm	ASPHALT
	350mm	ROADBASE
	1300mm	SILTY CLAY
BH05	150mm	ASPHALT
	450mm	ROADBASE
	1400mm	SILTY CLAY
BH06	150mm	ASPHALT
	450mm	ROADBASE
	1400mm	SILTY CLAY
BH07	200mm	TOPSOIL
	1800mm	SILTY CLAY
BH08	150mm	TOPSOIL
	1850mm	SILTY CLAY
BH09	200mm	TOPSOIL
	1800mm	SILTY CLAY
BH10	150mm	TOPSOIL
	1850mm	SILTY CLAY

NOTE
PROVIDED FOR INFORMATION ONLY. REFER ADE CONSULTING GROUP GEOTECHNICAL REPORT A201021.1725.07_A FOR DETAILS.

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 250 @ A1
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	GB
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

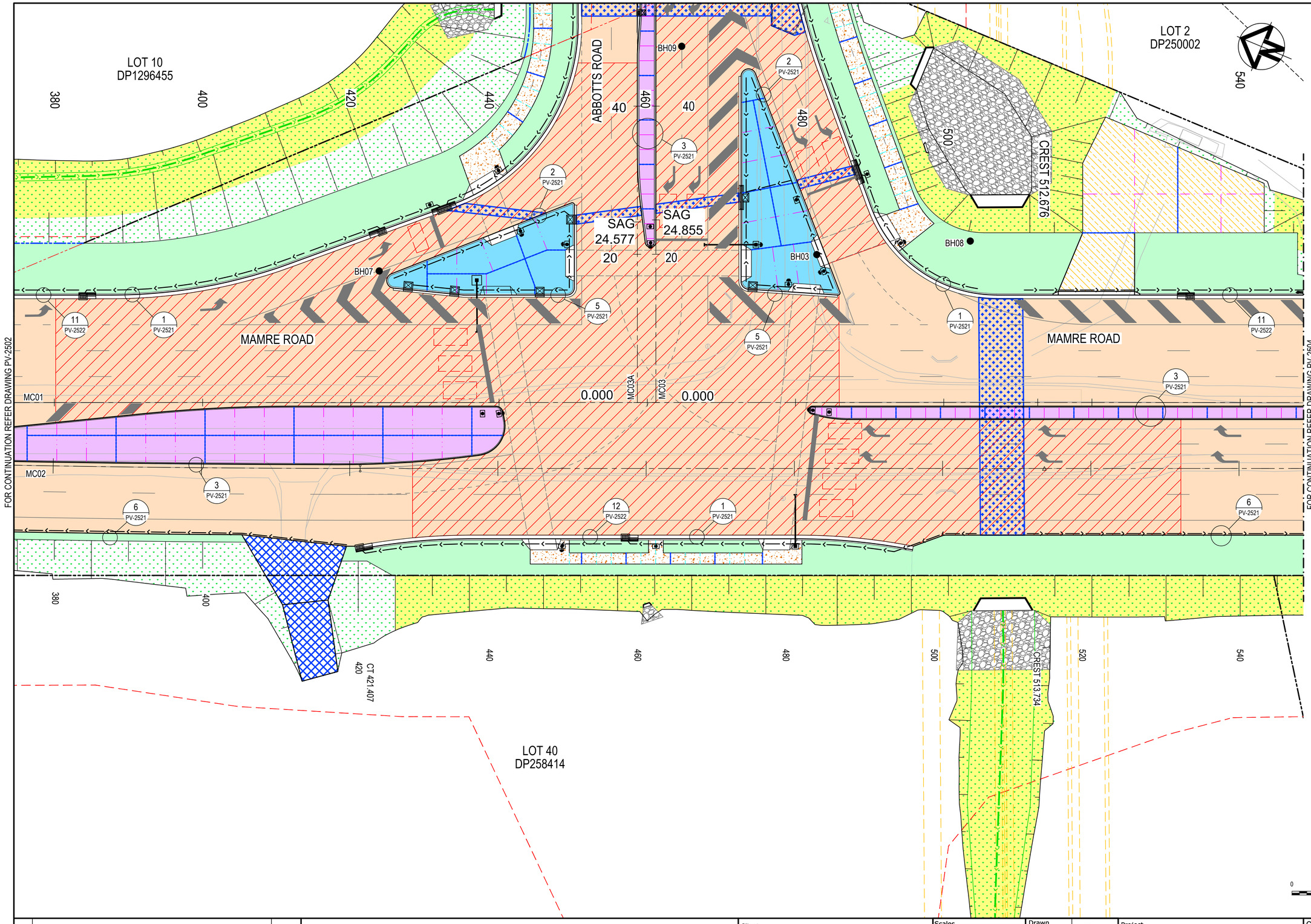
Title: PAVEMENT PLAN SHEET 2

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL — NOT TO BE USED FOR CONSTRUCTION
A1
Project - Drawing No.: PV-2502
Issue: 2

Date Plotted: 15 Apr 2024 - 10:38AM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-07-PV-2502.dwg

FOR CONTINUATION REFER DRAWING PV-2508



LEGEND

- EXISTING PAVEMENT
- PAVEMENT TYPE 1 — FULL DEPTH ROAD PAVEMENT
- PAVEMENT TYPE 2 — ASPHALT CORRECTIVE OVERLAY
- PAVEMENT TYPE 3 — SHARED PATH/FOOTPATH
- PAVEMENT TYPE 4 — RAISED MEDIAN INFILL
- PAVEMENT TYPE 5 — MEDIAN OVER PAVEMENT TYPE 1
- PAVEMENT TYPE 6 — ACCESS DRIVEWAY
- PAVEMENT TYPE 7 — SUBSTATION ACCESS
- PAVEMENT TYPE 8 — STABILISED SAND STORMWATER TRENCH. REFER DRAWING PV-2522 FOR DETAILS.
- HIGH FRICTION ASPHALT MINIMUM PAFV>58
- BATTER SLOPE TYPE 9 — 100mm TOP SOIL (TfNSW 178) AND HYDROMULCH (TfNSW R178)
- BATTER SLOPE TYPE 10 — HYDROMULCH (TfNSW R178) ON SOIL SAVER JUTE MESH (TfNSW R178)
- VERGE AREAS — 25mm TURF (TfNSW 178) ON 100mm TOP SOIL (TfNSW 178) ON INSITU COMPACTED SUBGRADE (R44)
- SIGNAL DETECTOR
- SCOUR PROTECTION
- TOOLED JOINT
- EXPANSION JOINT
- SAWN JOINT
- SUBSURFACE DRAINAGE

EXISTING PAVEMENT BOREHOLE DETAILS

BH01	200mm	TOPSOIL
	1800mm	SILTY CLAY
BH02	200mm	TOPSOIL
	1600mm	SILTY CLAY
BH03	300mm	ROADBASE
	1700mm	SILTY CLAY
BH04	150mm	ASPHALT
	350mm	ROADBASE
	1300mm	SILTY CLAY
BH05	150mm	ASPHALT
	450mm	ROADBASE
	1400mm	SILTY CLAY
BH06	150mm	ASPHALT
	450mm	ROADBASE
	1400mm	SILTY CLAY
BH07	200mm	TOPSOIL
	1800mm	SILTY CLAY
BH08	150mm	TOPSOIL
	1850mm	SILTY CLAY
BH09	200mm	TOPSOIL
	1800mm	SILTY CLAY
BH10	150mm	TOPSOIL
	1850mm	SILTY CLAY

NOTE
PROVIDED FOR INFORMATION ONLY. REFER ADE CONSULTING GROUP GEOTECHNICAL REPORT A201021.1725.07_A FOR DETAILS.

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 250 @ A1
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	GB
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: PAVEMENT PLAN SHEET 3

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

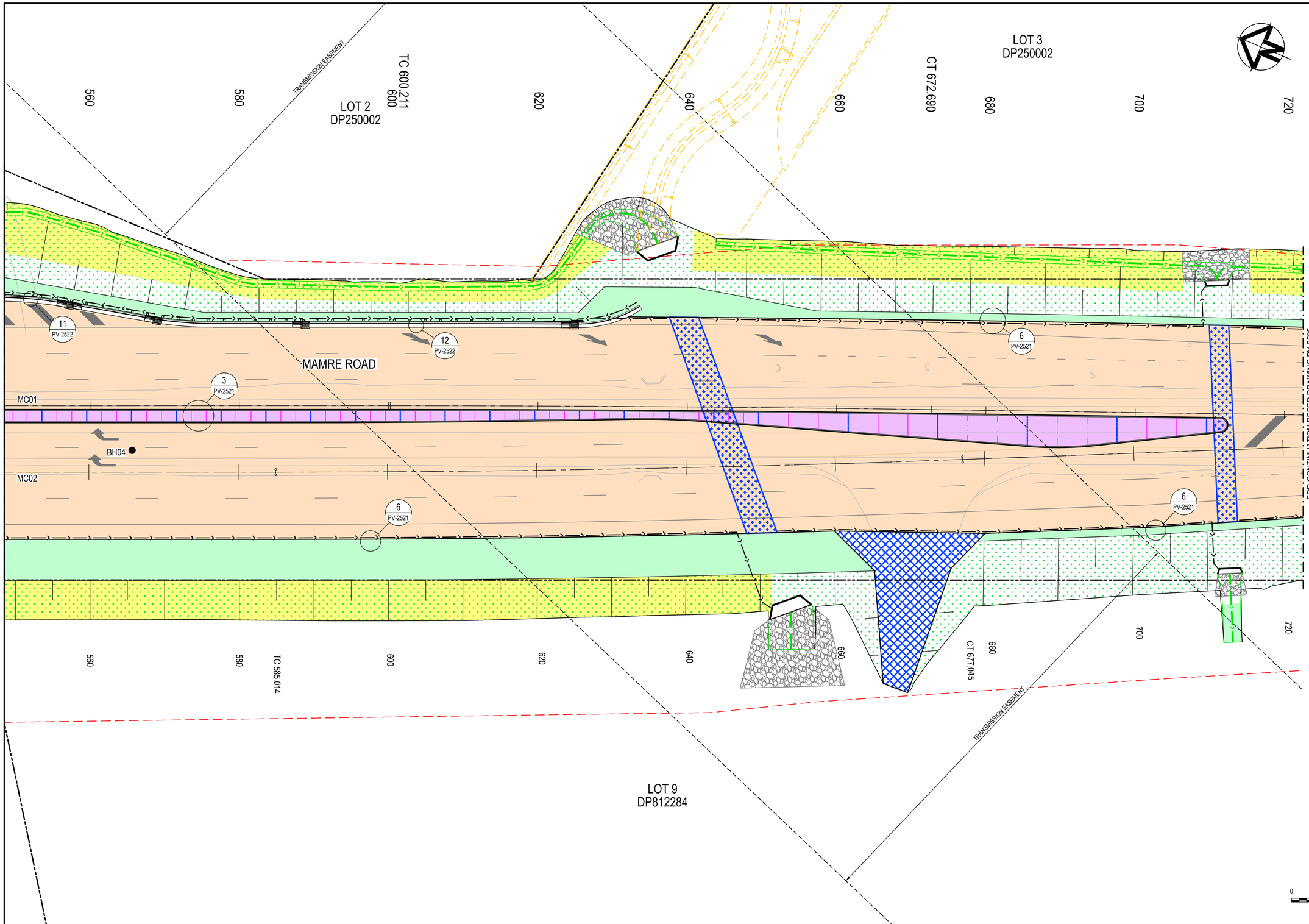
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: PV-2503

Issue: 2

Date Plotted: 15 Apr 2024 - 10:57AM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-07-PV-2503.dwg



LEGEND

- EXISTING PAVEMENT
- PAVEMENT TYPE 1 — FULL DEPTH ROAD PAVEMENT
- PAVEMENT TYPE 2 — ASPHALT CORRECTIVE OVERLAY
- PAVEMENT TYPE 3 — SHARED PATH/FOOTPATH
- PAVEMENT TYPE 4 — RAISED MEDIAN INFILL
- PAVEMENT TYPE 5 — MEDIAN OVER PAVEMENT TYPE 1
- PAVEMENT TYPE 6 — ACCESS DRIVEWAY
- PAVEMENT TYPE 7 — SUBSTATION ACCESS
- PAVEMENT TYPE 8 — STABILISED SAND STORMWATER TRENCH. REFER DRAWING PV-2522 FOR DETAILS.
- HIGH FRICTION ASPHALT MINIMUM PAFV>58
- BATTER SLOPE TYPE 9 — 100mm TOP SOIL (TfNSW 178) AND HYDROMULCH (TfNSW R178)
- BATTER SLOPE TYPE 10 — HYDROMULCH (TfNSW R178) ON SOIL SAVER JUTE MESH (TfNSW R178)
- VERGE AREAS — 25mm TURF (TfNSW 178) ON 100mm TOP SOIL (TfNSW 178) ON INSITU COMPACTED SUBGRADE (R44)
- SIGNAL DETECTOR
- SCOUR PROTECTION
- TOOLED JOINT
- EXPANSION JOINT
- SAWN JOINT
- SUBSURFACE DRAINAGE

EXISTING PAVEMENT BOREHOLE DETAILS

BH01	200mm 1800mm	TOPSOIL SILTY CLAY
BH02	200mm 1600mm	TOPSOIL SILTY CLAY
BH03	300mm 1700mm	ROADBASE SILTY CLAY
BH04	150mm 350mm 1300mm	ASPHALT ROADBASE SILTY CLAY
BH05	150mm 450mm 1400mm	ASPHALT ROADBASE SILTY CLAY
BH06	150mm 450mm 1400mm	ASPHALT ROADBASE SILTY CLAY
BH07	200mm 1800mm	TOPSOIL SILTY CLAY
BH08	150mm 1850mm	TOPSOIL SILTY CLAY
BH09	200mm 1800mm	TOPSOIL SILTY CLAY
BH10	150mm 1850mm	TOPSOIL SILTY CLAY

NOTE
PROVIDED FOR INFORMATION ONLY. REFER ADE CONSULTING GROUP GEOTECHNICAL REPORT A201021.1725.07_A FOR DETAILS.

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	1 : 250 @ A1	Drawn	GB
		Designed	GB
Grid	GDA2020	Checked	AL
Height Datum	AHD	Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

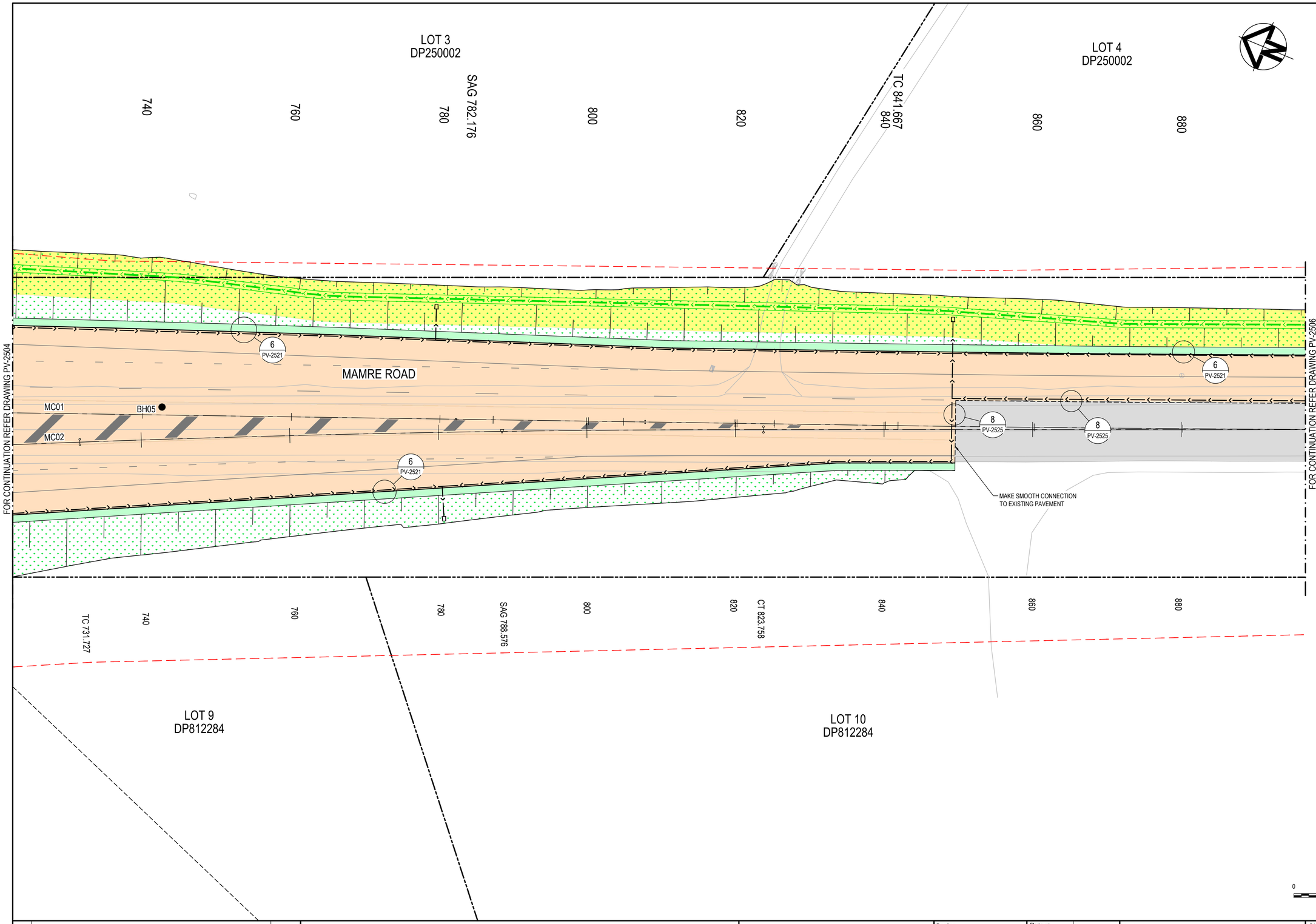
Title
PAVEMENT PLAN SHEET 4

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL — NOT TO BE USED FOR CONSTRUCTION
A1

Project - Drawing No.: PV-2504
Issue: 2

Date Plotted: 15 Apr 2024 - 10:39AM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-07-PV-2504.dwg



LEGEND

- EXISTING PAVEMENT
- PAVEMENT TYPE 1 — FULL DEPTH ROAD PAVEMENT
- PAVEMENT TYPE 2 — ASPHALT CORRECTIVE OVERLAY
- PAVEMENT TYPE 3 — SHARED PATH/FOOTPATH
- PAVEMENT TYPE 4 — RAISED MEDIAN INFILL
- PAVEMENT TYPE 5 — MEDIAN OVER PAVEMENT TYPE 1
- PAVEMENT TYPE 6 — ACCESS DRIVEWAY
- PAVEMENT TYPE 7 — SUBSTATION ACCESS
- PAVEMENT TYPE 8 — STABILISED SAND STORMWATER TRENCH. REFER DRAWING PV-2522 FOR DETAILS.
- HIGH FRICTION ASPHALT MINIMUM PAFV>58
- BATTER SLOPE TYPE 9 — 100mm TOP SOIL (TfNSW 178) AND HYDROMULCH (TfNSW R178)
- BATTER SLOPE TYPE 10 — HYDROMULCH (TfNSW R178) ON SOIL SAVER JUTE MESH (TfNSW R178)
- VERGE AREAS — 25mm TURF (TfNSW 178) ON 100mm TOP SOIL (TfNSW 178) ON INSITU COMPACTED SUBGRADE (R44)
- SIGNAL DETECTOR
- SCOUR PROTECTION
- TOOLED JOINT
- EXPANSION JOINT
- SAWN JOINT
- SUBSURFACE DRAINAGE

EXISTING PAVEMENT BOREHOLE DETAILS

BH01	200mm	TOPSOIL
	1800mm	SILTY CLAY
BH02	200mm	TOPSOIL
	1600mm	SILTY CLAY
BH03	300mm	ROADBASE
	1700mm	SILTY CLAY
BH04	150mm	ASPHALT
	350mm	ROADBASE
	1300mm	SILTY CLAY
BH05	150mm	ASPHALT
	450mm	ROADBASE
	1400mm	SILTY CLAY
BH06	150mm	ASPHALT
	450mm	ROADBASE
	1400mm	SILTY CLAY
BH07	200mm	TOPSOIL
	1800mm	SILTY CLAY
BH08	150mm	TOPSOIL
	1850mm	SILTY CLAY
BH09	200mm	TOPSOIL
	1800mm	SILTY CLAY
BH10	150mm	TOPSOIL
	1850mm	SILTY CLAY

NOTE
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0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 250 @ A1
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	GB
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: PAVEMENT PLAN SHEET 5

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

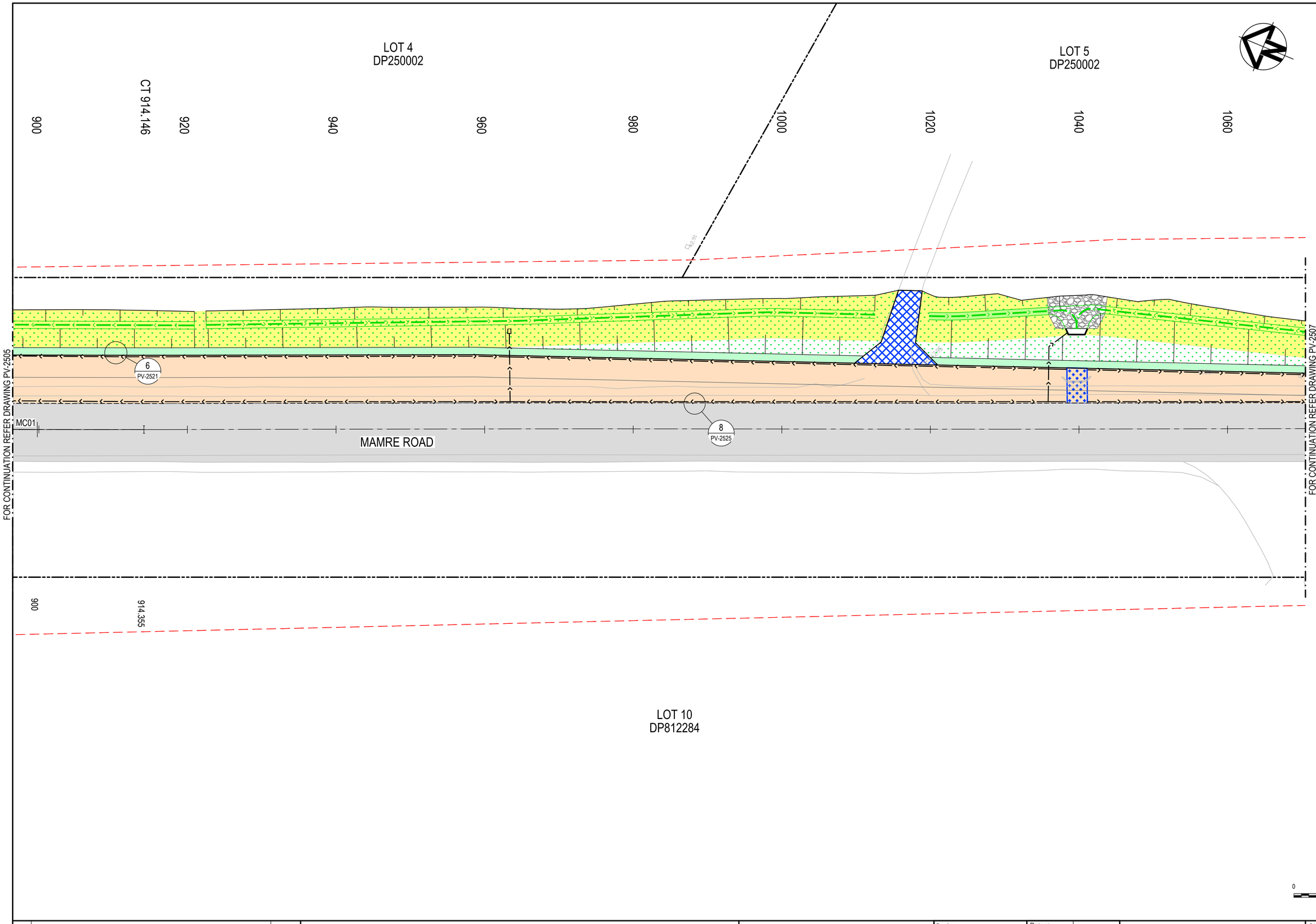
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: PV-2505

Issue: 2

Date Plotted: 15 Apr 2024 - 10:39AM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-07-PV-2505.dwg



LEGEND

- EXISTING PAVEMENT
- PAVEMENT TYPE 1 — FULL DEPTH ROAD PAVEMENT
- PAVEMENT TYPE 2 — ASPHALT CORRECTIVE OVERLAY
- PAVEMENT TYPE 3 — SHARED PATH/FOOTPATH
- PAVEMENT TYPE 4 — RAISED MEDIAN INFILL
- PAVEMENT TYPE 5 — MEDIAN OVER PAVEMENT TYPE 1
- PAVEMENT TYPE 6 — ACCESS DRIVEWAY
- PAVEMENT TYPE 7 — SUBSTATION ACCESS
- PAVEMENT TYPE 8 — STABILISED SAND STORMWATER TRENCH. REFER DRAWING PV-2522 FOR DETAILS.
- HIGH FRICTION ASPHALT MINIMUM PAFV>58
- BATTER SLOPE TYPE 9 — 100mm TOP SOIL (TfNSW 178) AND HYDROMULCH (TfNSW R178)
- BATTER SLOPE TYPE 10 — HYDROMULCH (TfNSW R178) ON SOIL SAVER JUTE MESH (TfNSW R178)
- VERGE AREAS — 25mm TURF (TfNSW 178) ON 100mm TOP SOIL (TfNSW 178) ON INSITU COMPACTED SUBGRADE (R44)
- SIGNAL DETECTOR
- SCOUR PROTECTION
- TOOLED JOINT
- EXPANSION JOINT
- SAWN JOINT
- SUBSURFACE DRAINAGE

EXISTING PAVEMENT BOREHOLE DETAILS

BH01	200mm	TOPSOIL
	1800mm	SILTY CLAY
BH02	200mm	TOPSOIL
	1600mm	SILTY CLAY
BH03	300mm	ROADBASE
	1700mm	SILTY CLAY
BH04	150mm	ASPHALT
	350mm	ROADBASE
	1300mm	SILTY CLAY
BH05	150mm	ASPHALT
	450mm	ROADBASE
	1400mm	SILTY CLAY
BH06	150mm	ASPHALT
	450mm	ROADBASE
	1400mm	SILTY CLAY
BH07	200mm	TOPSOIL
	1800mm	SILTY CLAY
BH08	150mm	TOPSOIL
	1850mm	SILTY CLAY
BH09	200mm	TOPSOIL
	1800mm	SILTY CLAY
BH10	150mm	TOPSOIL
	1850mm	SILTY CLAY

NOTE
PROVIDED FOR INFORMATION ONLY. REFER ADE CONSULTING GROUP GEOTECHNICAL REPORT A201021.1725.07_A FOR DETAILS.

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 250 @ A1
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	GB
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: PAVEMENT PLAN SHEET 6

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: PV-2506

Issue: 2

Date Plotted: 15 Apr 2024 - 10:40AM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-07-PV-2506.dwg

LOT 5
DP250002

LOT 6
DP250002

1080 1100 1120 1140 1160 1180 1200 1220 1228.761

FOR CONTINUATION REFER DRAWING PV-2506

BH06

MC01

8
PV-2525

6
PV-2521

MAMRE ROAD

1.4m

LIMIT OF WORKS

8
PV-2525

MAKE SMOOTH CONNECTION
TO EXISTING PAVEMENT

LOT 10
DP812284

LEGEND

- EXISTING PAVEMENT
- PAVEMENT TYPE 1 — FULL DEPTH ROAD PAVEMENT
- PAVEMENT TYPE 2 — ASPHALT CORRECTIVE OVERLAY
- PAVEMENT TYPE 3 — SHARED PATH/FOOTPATH
- PAVEMENT TYPE 4 — RAISED MEDIAN INFILL
- PAVEMENT TYPE 5 — MEDIAN OVER PAVEMENT TYPE 1
- PAVEMENT TYPE 6 — ACCESS DRIVEWAY
- PAVEMENT TYPE 7 — SUBSTATION ACCESS
- PAVEMENT TYPE 8 — STABILISED SAND STORMWATER TRENCH. REFER DRAWING PV-2522 FOR DETAILS.
- HIGH FRICTION ASPHALT MINIMUM PAFV>58
- BATTER SLOPE TYPE 9 — 100mm TOP SOIL (TfNSW 178) AND HYDROMULCH (TfNSW R178)
- BATTER SLOPE TYPE 10 — HYDROMULCH (TfNSW R178) ON SOIL SAVER JUTE MESH (TfNSW R178)
- VERGE AREAS — 25mm TURF (TfNSW 178) ON 100mm TOP SOIL (TfNSW 178) ON INSITU COMPACTED SUBGRADE (R44)
- SIGNAL DETECTOR
- SCOUR PROTECTION
- TOOLED JOINT
- EXPANSION JOINT
- SAWN JOINT
- SUBSURFACE DRAINAGE

EXISTING PAVEMENT BOREHOLE DETAILS

BH01	200mm	TOPSOIL
	1800mm	SILTY CLAY
BH02	200mm	TOPSOIL
	1600mm	SILTY CLAY
BH03	300mm	ROADBASE
	1700mm	SILTY CLAY
BH04	150mm	ASPHALT
	350mm	ROADBASE
	1300mm	SILTY CLAY
BH05	150mm	ASPHALT
	450mm	ROADBASE
	1400mm	SILTY CLAY
BH06	150mm	ASPHALT
	450mm	ROADBASE
	1400mm	SILTY CLAY
BH07	200mm	TOPSOIL
	1800mm	SILTY CLAY
BH08	150mm	TOPSOIL
	1850mm	SILTY CLAY
BH09	200mm	TOPSOIL
	1800mm	SILTY CLAY
BH10	150mm	TOPSOIL
	1850mm	SILTY CLAY

NOTE
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0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 250 @ A1
Grid: GDA2020
Height Datum: AHD

Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title
PAVEMENT PLAN SHEET 7

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

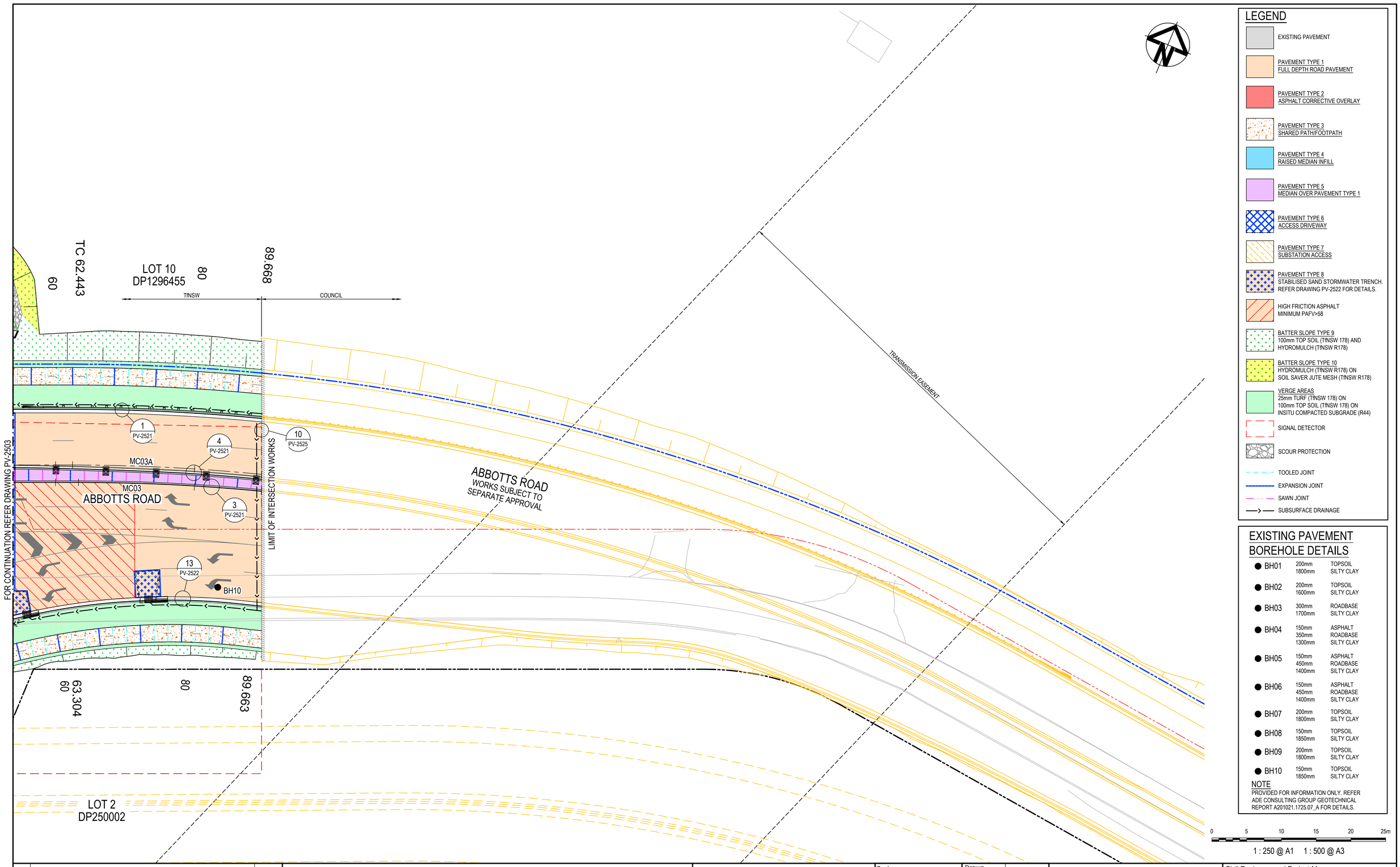
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: PV-2507

Issue: 2

Date Plotted: 15 Apr 2024 - 10:41AM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-07-PV-2507.dwg



LEGEND

- EXISTING PAVEMENT
- PAVEMENT TYPE 1 — FULL DEPTH ROAD PAVEMENT
- PAVEMENT TYPE 2 — ASPHALT CORRECTIVE OVERLAY
- PAVEMENT TYPE 3 — SHARED PATH/FOOTPATH
- PAVEMENT TYPE 4 — RAISED MEDIAN INFILL
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- PAVEMENT TYPE 6 — ACCESS DRIVEWAY
- PAVEMENT TYPE 7 — SUBSTATION ACCESS
- PAVEMENT TYPE 8 — STABILISED SAND STORMWATER TRENCH. REFER DRAWING PV-2522 FOR DETAILS.
- HIGH FRICTION ASPHALT MINIMUM PAFV>58
- BATTER SLOPE TYPE 9 — 100mm TOP SOIL (TfNSW 178) AND HYDROMULCH (TfNSW R178)
- BATTER SLOPE TYPE 10 — HYDROMULCH (TfNSW R178) ON SOIL SAVER JUTE MESH (TfNSW R178)
- VERGE AREAS — 25mm TURF (TfNSW 178) ON 100mm TOP SOIL (TfNSW 178) ON INSITU COMPACTED SUBGRADE (R44)
- SIGNAL DETECTOR
- SCOUR PROTECTION
- TOOLED JOINT
- EXPANSION JOINT
- SAWN JOINT
- SUBSURFACE DRAINAGE

EXISTING PAVEMENT BOREHOLE DETAILS

BH01	200mm	TOPSOIL
	1800mm	SILTY CLAY
BH02	200mm	TOPSOIL
	1600mm	SILTY CLAY
BH03	300mm	ROADBASE
	1700mm	SILTY CLAY
BH04	150mm	ASPHALT
	350mm	ROADBASE
	1300mm	SILTY CLAY
BH05	150mm	ASPHALT
	450mm	ROADBASE
	1400mm	SILTY CLAY
BH06	150mm	ASPHALT
	450mm	ROADBASE
	1400mm	SILTY CLAY
BH07	200mm	TOPSOIL
	1800mm	SILTY CLAY
BH08	150mm	TOPSOIL
	1850mm	SILTY CLAY
BH09	200mm	TOPSOIL
	1800mm	SILTY CLAY
BH10	150mm	TOPSOIL
	1850mm	SILTY CLAY

NOTE
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0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 250 @ A1
Grid: GDA2020
Height Datum: AHD

Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title
PAVEMENT PLAN SHEET 8

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
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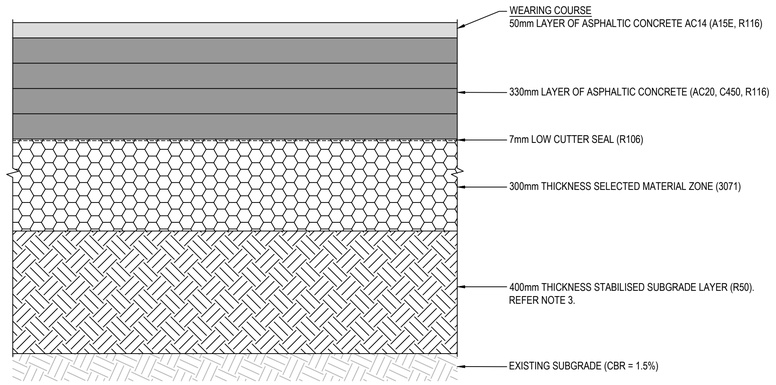
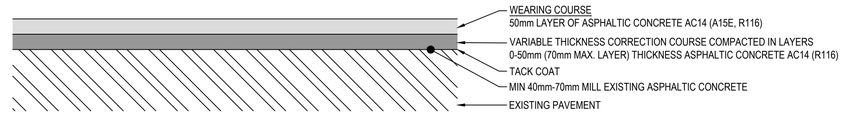
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1
Project - Drawing No.: PV-2508
Issue: 2

100mm on Original

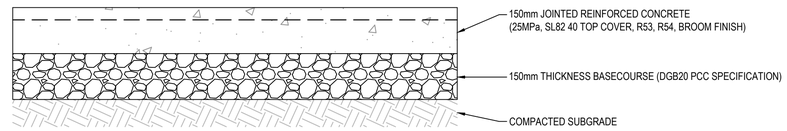
Date Plotted: 15 Apr 2024 - 10:43AM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-07-PV-2508.dwg



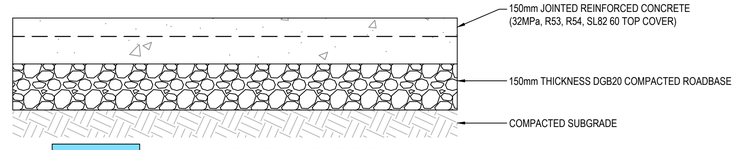
PAVEMENT TYPE 1
DEEP ASPHALT OVER SMZ ON SUBGRADE (LIME STABILISATION)
1 : 10



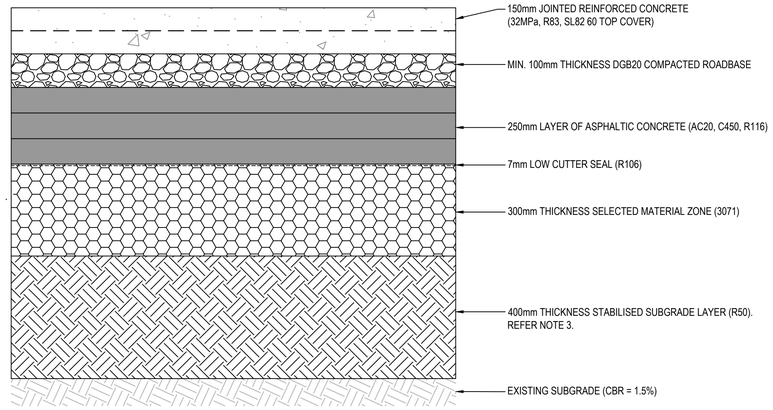
PAVEMENT TYPE 2
ASPHALT CORRECTIVE OVERLAY
1 : 10



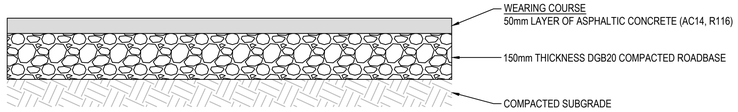
PAVEMENT TYPE 3
SHARED PATH/FOOTPATH
1 : 10
(TfNSW STANDARD DRAWING - TS 02728)



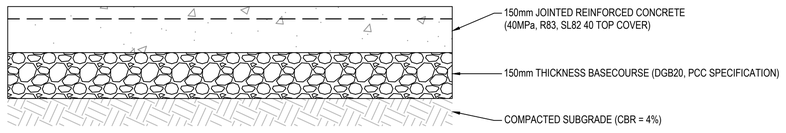
PAVEMENT TYPE 4
RAISED MEDIAN INFILL
1 : 10



PAVEMENT TYPE 5
RAISED MEDIAN INFILL
1 : 10



PAVEMENT TYPE 6
ACCESS DRIVEWAY
1 : 10
(PENRITH CITY COUNCIL STANDARD DRAWING SD1005)



PAVEMENT TYPE 7
SUBSTATION ACCESS
1 : 10

0 100 200 400 600 800 1000mm

1 : 10 @ A1 1 : 20 @ A3

NOTES

1. THE ASPHALT LAYER WILL VARY IN THICKNESS TO MATCH THE ADJACENT EXISTING ASPHALT LAYER. CONSIDERATION OF A SYNTHETIC LINER TO TfNSW SPECIFICATIONS ALONG THE EXISTING JOINT INTERFACE TO REDUCE REFLECTIVE CRACKING.
2. HIGH FRICTION ASPHALT (HFA) WEARING SURFACE MUST BE PROVIDED FOR 50m ON THE APPROACH TO SIGNALISED INTERSECTION (ALL APPROACHES), THROUGH THE INTERSECTION, AND TERMINATE AT LEAST 5m PAST THE DEPARTURE SIDE MEDIAN NOSE (AS PER CLAUSE 2.2.8 OF TfNSW SPEC PS341). HIGH FRICTION ASPHALT MUST ACHIEVE MINIMUM PAFV>58 FOR WEARING COURSE AGGREGATES (WHICH CAN BE ACHIEVED WITH COMPLYING SLAG AGGREGATES).
3. IF 400mm STABILISED LAYER FAILS BENKELMAN BEAM TEST. CONTRACTOR TO REPLACE WITH 600mm SMZ TO R44.

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	AS SHOWN	
Drawn	GB	
Designed	GB	
Grid	GDA2020	
Checked	AL	
Height Datum	AHD	
Approved		

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

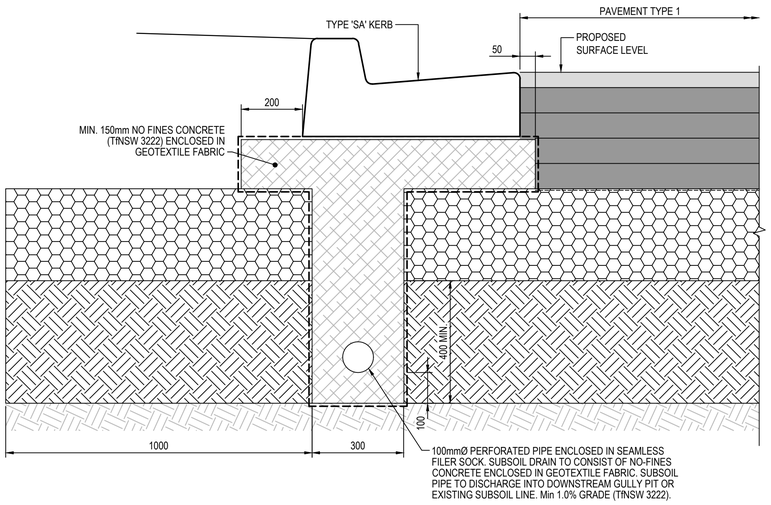
Title
PAVEMENT PROFILES

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

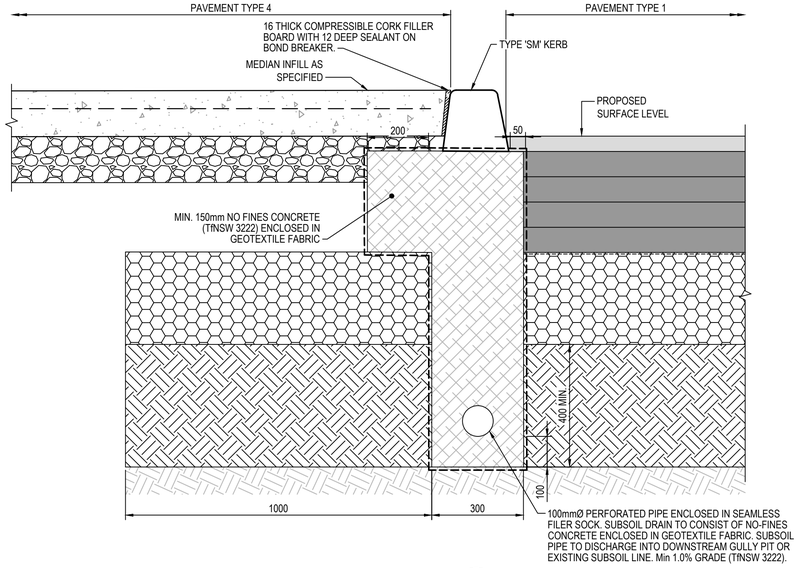
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Project - Drawing No.: PV-2520
Issue: 2

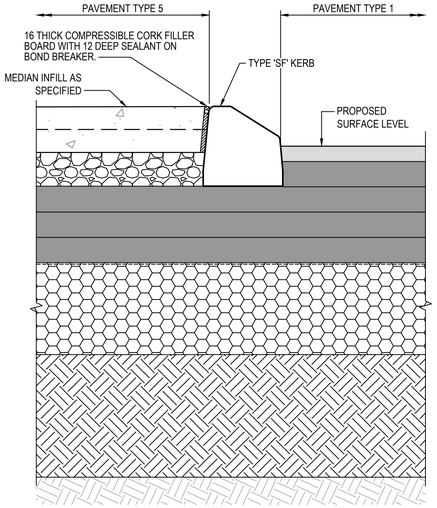
Date Plotted: 13 Apr 2024 - 03:45PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-07-PV-2520.dwg



DETAIL 1 — 1 : 10 — PV2501-PV2508



DETAIL 2 — 1 : 10 — PV2501-PV2508



DETAIL 3 — 1 : 10 — PV2501-PV2508

DETAIL 4 — 1 : 10 — PV2501-PV2508

DETAIL 5 — 1 : 10 — PV2501-PV2508

DETAIL 6 — 1 : 10 — PV2501-PV2508

0 100 200 400 600 800 1000mm

1 : 10 @ A1 1 : 20 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY; ESR; Stockland; FIFECAPITAL

Scales	AS SHOWN
Grid	GDA2020
Height Datum	AHD
Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.

DS2023/001186

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: PAVEMENT EDGE DETAILS SHEET 1

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

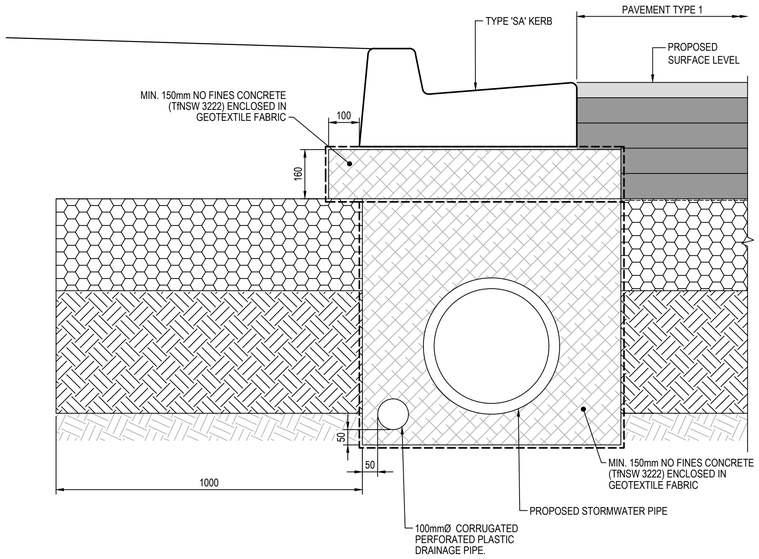
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

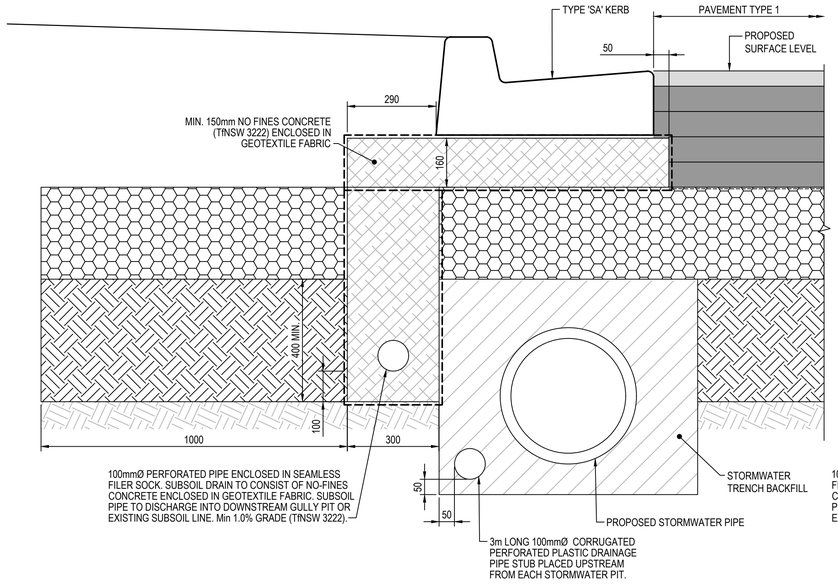
Project - Drawing No.: PV-2521

Issue: 2

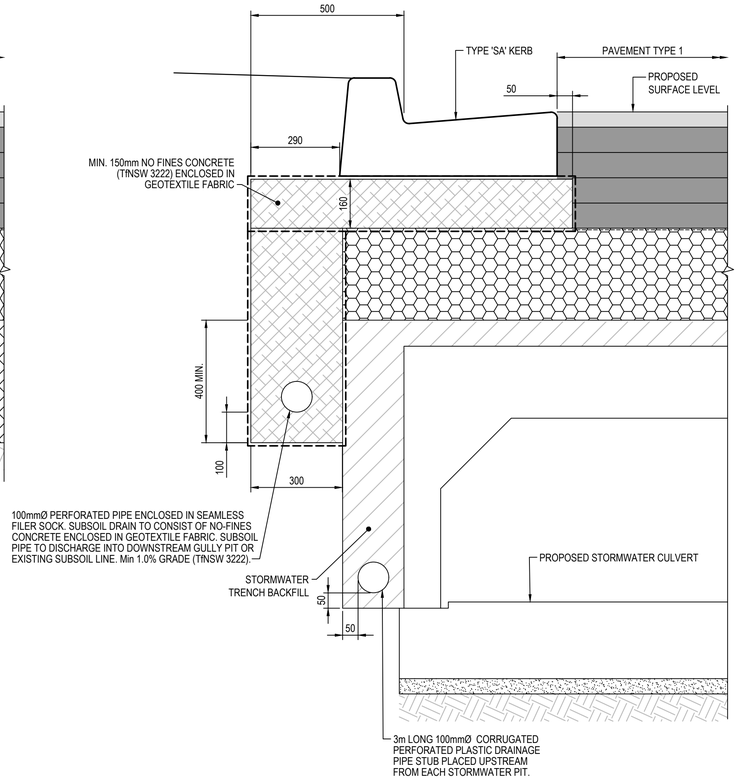
Date Plotted: 13 Apr 2024 - 03:45PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-07-PV-2521.dwg



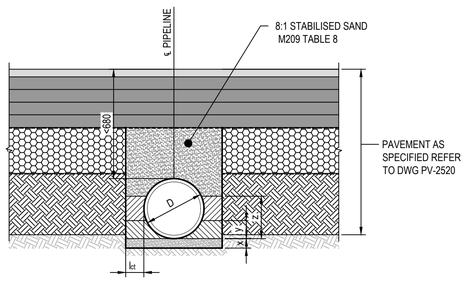
DETAIL 11
1 : 10 PV2501-PV2508



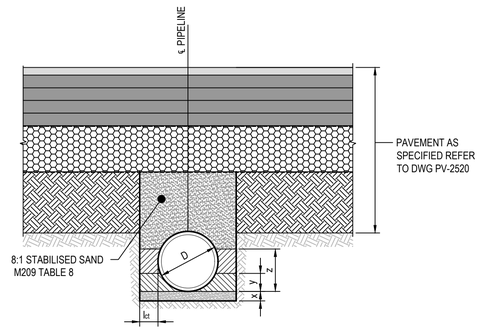
DETAIL 12
1 : 10 PV2501-PV2508



DETAIL 13
1 : 10 PV2508



PAVEMENT TYPE 8
ROAD CROSSING PIPE TRENCH BELOW PAVEMENT
(<680mm COVER)
N.T.S.



PAVEMENT TYPE 8
ROAD CROSSING PIPE TRENCH BELOW PAVEMENT
(>680mm COVER)
N.T.S.

PIPE SIZE (mm)	MINIMUM DEPTH (mm)			MINIMUM DISTANCE(mm)			
NOMINAL INTERNAL DIAMETER	BED	HAUNCH	SIDE	SELECT FILL		CLSM	
	x	y	z-y	l_c	l_{ct}	l_c	l_{ct}
375	100	170	110	400	450	130	150
450	100	200	130	400	450	130	160
525	100	220	150	400	450	140	170
600	100	250	170	400	500	140	180
675	100	280	190	400	500	150	190
750	100	310	210	450	500	150	200
825	100	330	220	450	500	150	200
900	100	360	240	450	500	160	210
1050	100	420	280	450	500	160	220
1200	150	480	310	450	550	1740	230
1350	150	510	340	450	550	170	240
1500	150	580	390	450	600	190	280
1650	150	630	420	450	600	190	280
1800	150	680	370	450	600	200	290
2100	150	710	470	450	600	200	290

0 100 200 400 600 800 1000mm

1 : 10 @ A1 1 : 20 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales		Drawn	GB
	AS SHOWN	Designed	GB
Grid	GDA2020	Checked	AL
Height Datum	AHD	Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

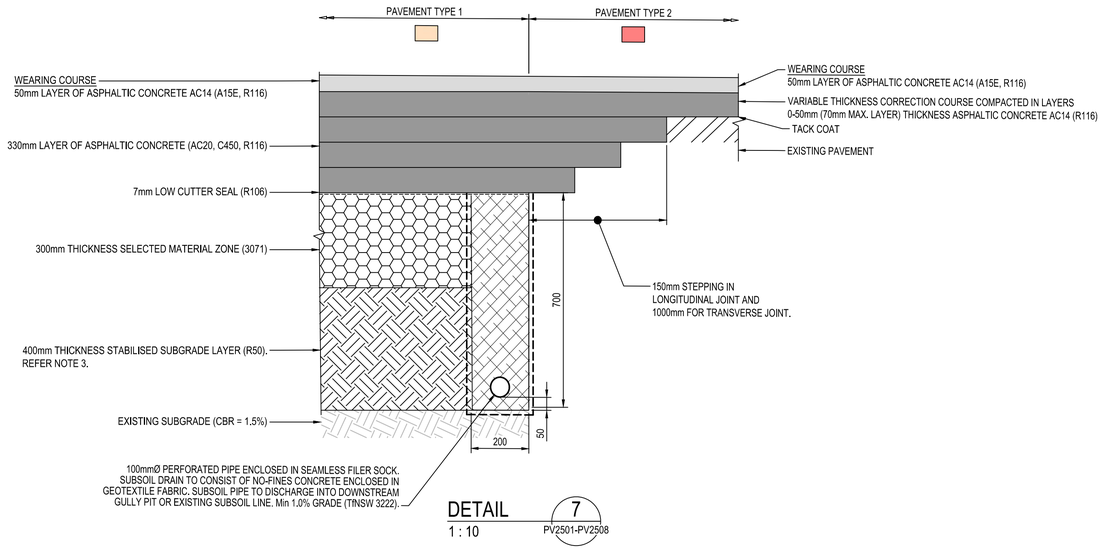
Title
PAVEMENT EDGE DETAILS SHEET 2

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

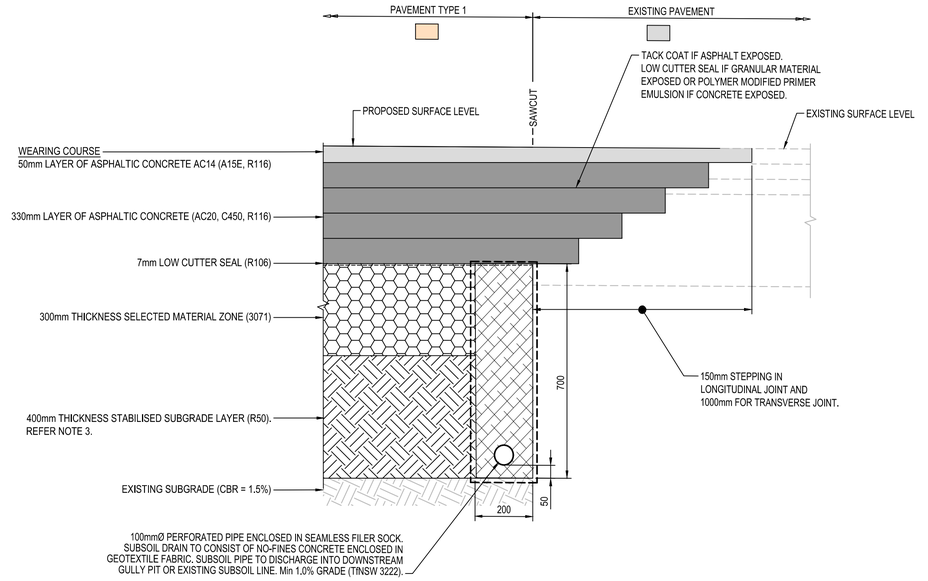
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Project - Drawing No.: PV-2522
Issue: 2

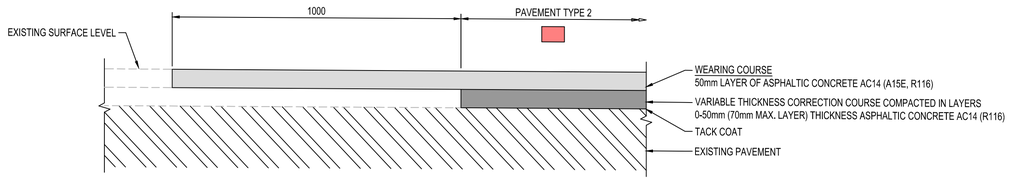
Date Plotted: 13 Apr 2024 - 03:45PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-07-PV-2522.dwg



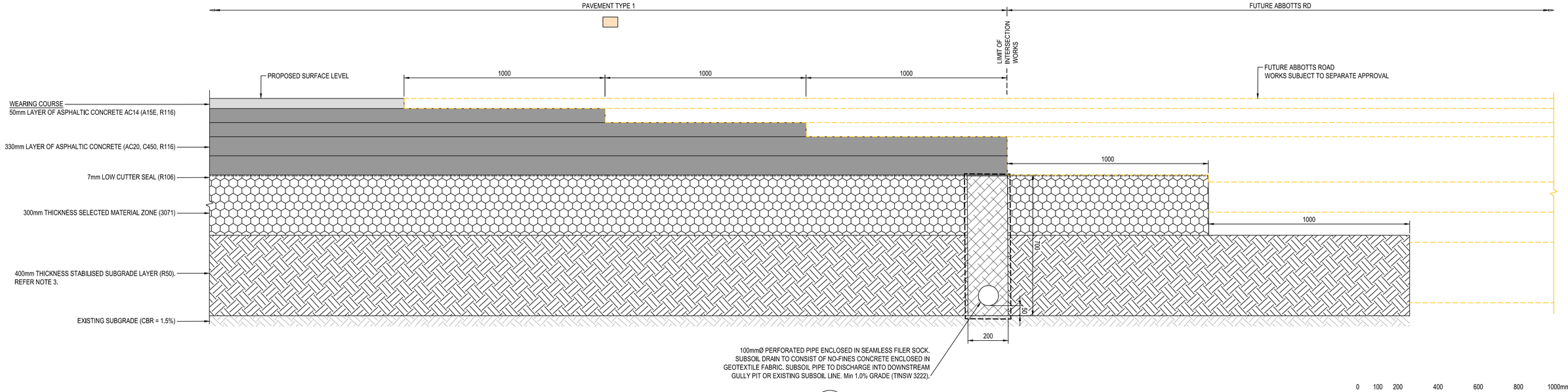
DETAIL 7
1 : 10 PV2501-PV2508



DETAIL 8
1 : 10 PV2501-PV2508



DETAIL 9
1 : 10 PV2501-PV2508



DETAIL 10
1 : 10 PV2501-PV2508

0 100 200 400 600 800 1000mm
1 : 10 @ A1 1 : 20 @ A3

Issue	Description	Date
1	ISSUED FOR 100% DESIGN	15-04-24

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	AS SHOWN	Drawn	GB
		Designed	GB
Grid	GDA2020	Checked	AL
Height Datum	AHD	Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title
PAVEMENT INTERFACE DETAILS

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Project - Drawing No.: PV-2525
Issue: 1

Date Plotted: 13 Apr 2024 - 03:45PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-07-PV-2525.dwg

LOT 8
DP253503

LOT 10
DP1296455

CT 125.012

MAMRE ROAD

NO STOPPING
R5-400(R) A

NO STOPPING
R5-400 A

NO STOPPING
R5-400 A

NO STOPPING
R5-400(L) A

NO STOPPING
R5-400 A

NO STOPPING
R5-400 A

R4-1 80

W4-4

W2-4(L)

W4-11

LIMIT OF WORKS

MC01

MC02

EL1

BL2

CL1

OL1

1.0m

3.5m

3.5m

3.0m

3.0m

1.0m

R700
L125.012

R700
L26.408

EP

CP

40 60 80 100 120 140 160 180 200

125.013 140 151.421 160 180 200

FOR CONTINUATION REFER DRAWING RF-2602

LOT 38
DP258414

LOT 39
DP258414

LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- PROPOSED DESIGN
- EXISTING SURVEY
- SAFETY BARRIER
- KERB RAMP
- PROPOSED SIGN (GIVE WAY)
- EXISTING SIGN (GIVE WAY)
- EXISTING SIGN TO BE REMOVED (GIVE WAY)
- LINEMARKING TAG (L1)
- PAVEMENT ARROW LABEL (AR3(L))
- EXISTING PAVEMENT

PROPOSED SERVICES

- LIGHT POLE
- ELECTRICAL POLE (EP)
- COMMUNICATIONS POLE (CP)
- SIGNAL CONTROL BOX

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 250 @ A1
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	GB
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: SIGNAGE AND LINEMARKING PLAN SHEET 1

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

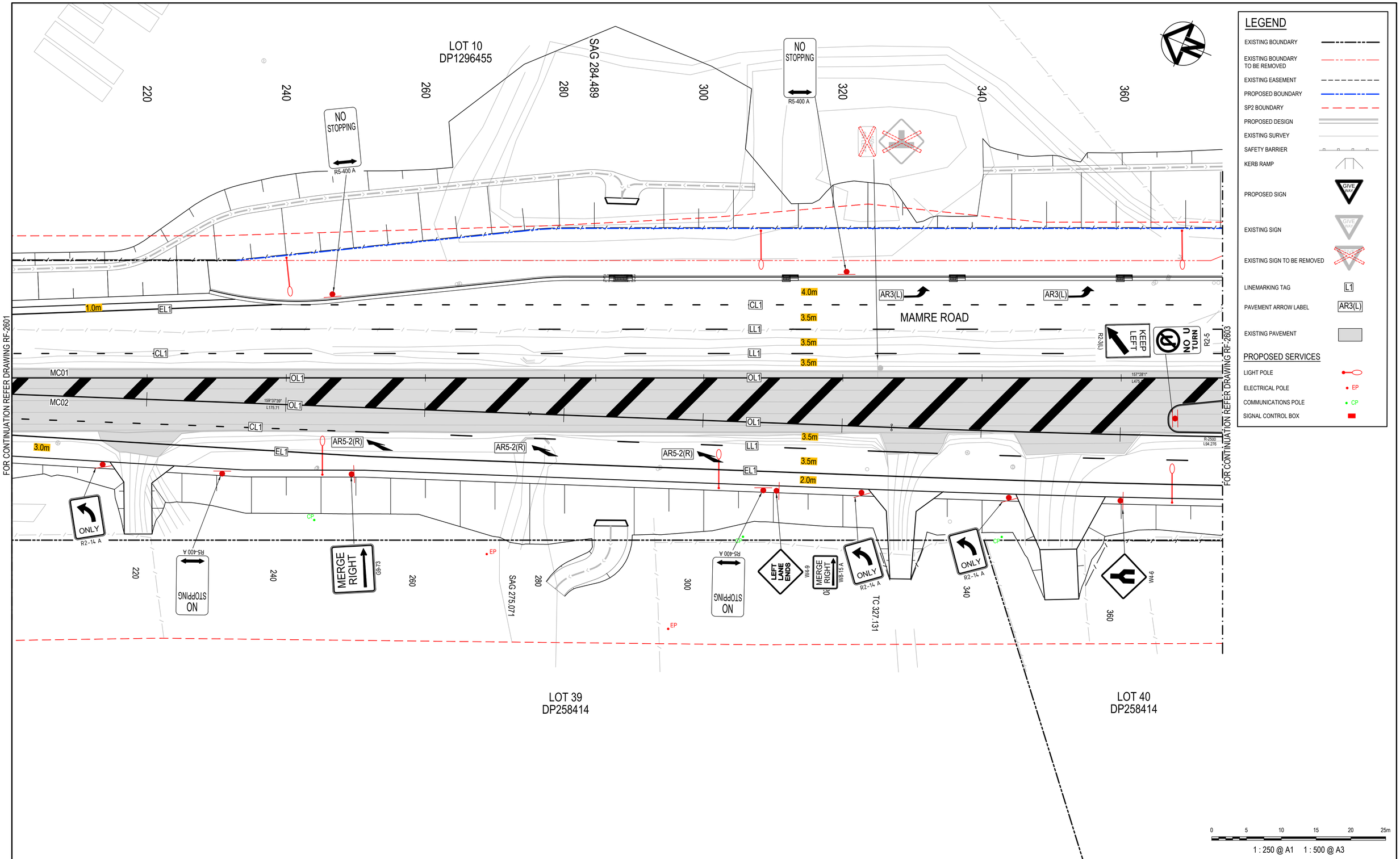
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: RF-2601

Issue: 2

Date Plotted: 15 Apr 2024 - 03:07PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-08-RF-2601.dwg



LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- PROPOSED DESIGN
- EXISTING SURVEY
- SAFETY BARRIER
- KERB RAMP
- PROPOSED SIGN (GIVE WAY)
- EXISTING SIGN (GIVE WAY)
- EXISTING SIGN TO BE REMOVED (GIVE WAY)
- LINEMARKING TAG (L1)
- PAVEMENT ARROW LABEL (AR3(L))
- EXISTING PAVEMENT

PROPOSED SERVICES

- LIGHT POLE
- ELECTRICAL POLE (EP)
- COMMUNICATIONS POLE (CP)
- SIGNAL CONTROL BOX

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	1 : 250 @ A1
Grid	GDA2020
Height Datum	AHD
Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title
SIGNAGE AND LINEMARKING PLAN SHEET 2

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Project - Drawing No.: RF-2602
Issue: 2

Date Plotted: 15 Apr 2024 - 03:08PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-08-RF-2602.dwg

FOR CONTINUATION REFER DRAWING RF-2608

FOR CONTINUATION REFER DRAWING RF-2602

FOR CONTINUATION REFER DRAWING RF-2604

LOT 10
DP1296455

LOT 2
DP250002

LOT 40
DP258414

MAMRE ROAD

ABBOTTS ROAD

CREST 512.676

CREST 513.734

CT 421.407

SAG 24,577

SAG 24.855

0.000

0.000

MC01

MC02

MC03

MC03A

7.9m

NO STOPPING

GIVE WAY

STOP HERE ON RED ARROW OTHERWISE TURN LEFT WITH CARE

KEEP LEFT

END

R5-400 A

R8-2

R1-2 A

R2-3(L)

R1-4

D4-1-1

AR3(L)

AR3(R)

TB

TF

PCW

TL

CL1

LL1

EL1

OL1

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- PROPOSED DESIGN
- EXISTING SURVEY
- SAFETY BARRIER
- KERB RAMP
- PROPOSED SIGN
- EXISTING SIGN
- EXISTING SIGN TO BE REMOVED
- LINEMARKING TAG
- PAVEMENT ARROW LABEL
- EXISTING PAVEMENT

PROPOSED SERVICES

- LIGHT POLE
- ELECTRICAL POLE
- COMMUNICATIONS POLE
- SIGNAL CONTROL BOX

Issue	Description	Date
3	ISSUED FOR 100% DESIGN	15-04-24
2	ISSUED FOR INFORMATION	15-03-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client

FRASERS PROPERTY · ESR · Stockland · FIFECAPITAL

Scales	1 : 250 @ A1
Grid	GDA2020
Height Datum	AHD
Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.

DS2023/001186

Project

MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title

SIGNAGE AND LINEMARKING PLAN SHEET 3

Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

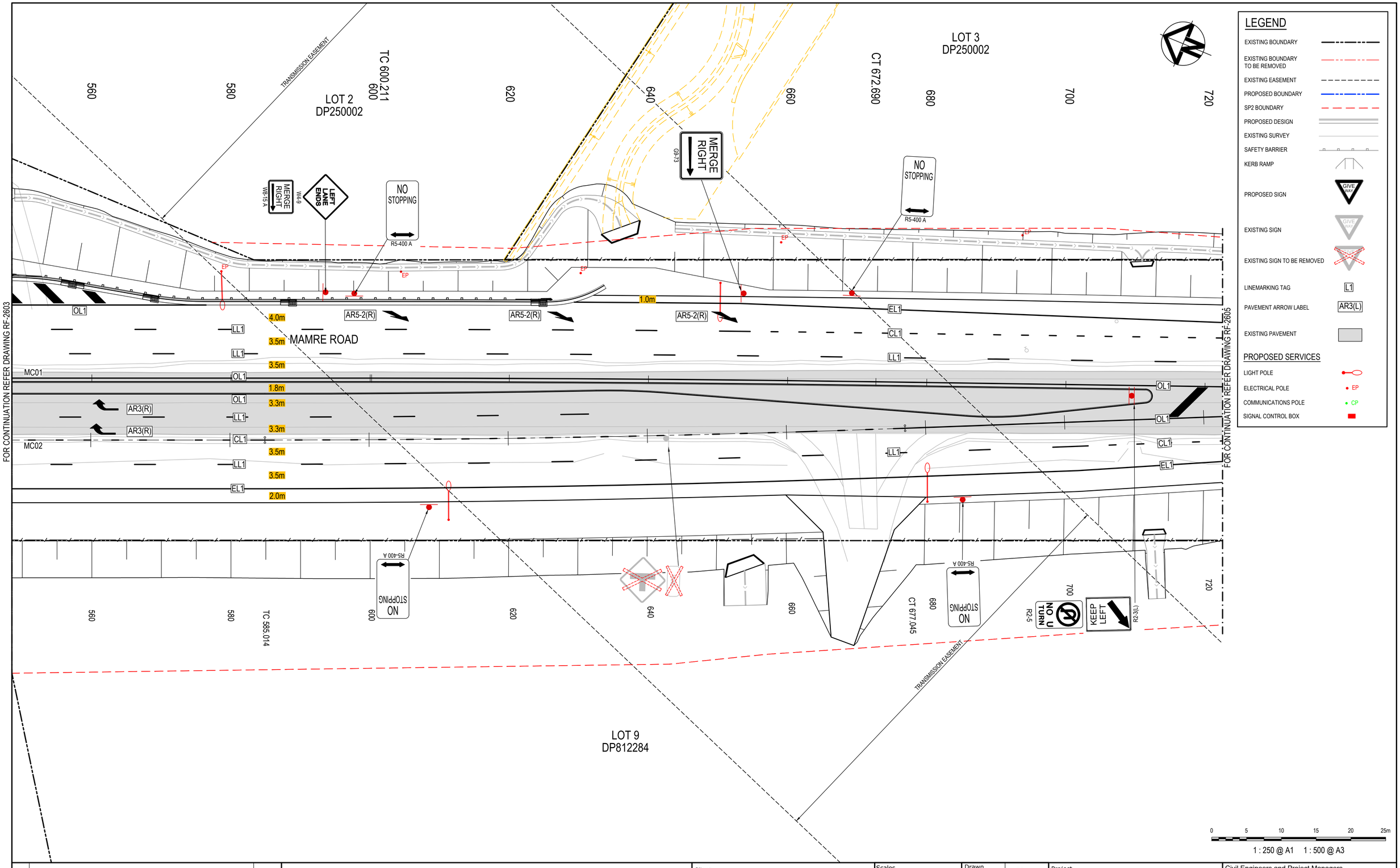
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: RF-2603

Issue: 3

Date Plotted: 15 Apr 2024 - 03:09PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-08-RF-2603.dwg



LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- PROPOSED DESIGN
- EXISTING SURVEY
- SAFETY BARRIER
- KERB RAMP
- PROPOSED SIGN (GIVE WAY)
- EXISTING SIGN (GIVE WAY)
- EXISTING SIGN TO BE REMOVED
- LINEMARKING TAG (L1)
- PAVEMENT ARROW LABEL (AR3(L))
- EXISTING PAVEMENT

PROPOSED SERVICES

- LIGHT POLE
- ELECTRICAL POLE (EP)
- COMMUNICATIONS POLE (CP)
- SIGNAL CONTROL BOX

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	1 : 250 @ A1
Grid	GDA2020
Height Datum	AHD
Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: SIGNAGE AND LINEMARKING PLAN SHEET 4

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

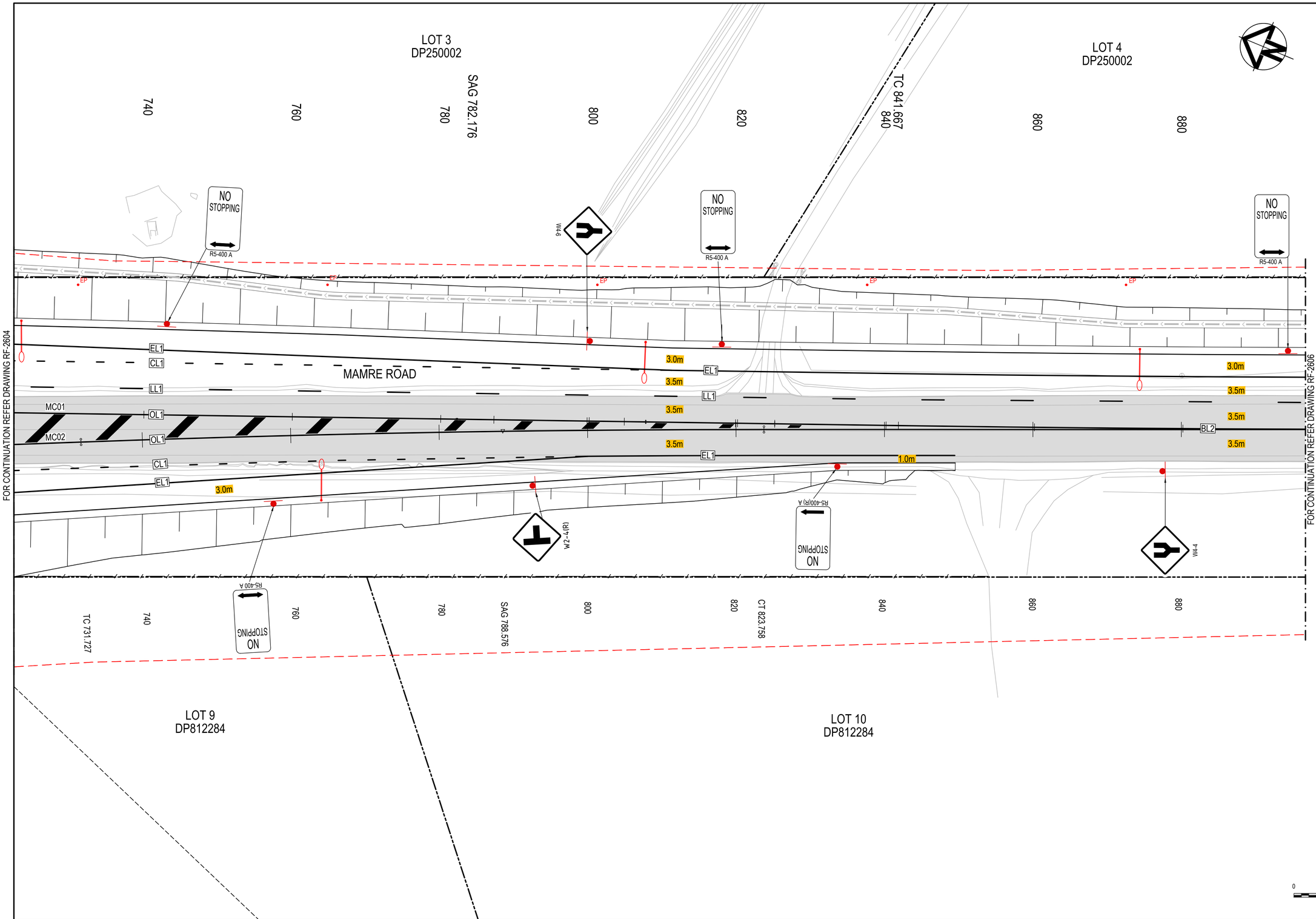
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: RF-2604

Issue: 2

Date Plotted: 15 Apr 2024 - 03:09PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-08-RF-2604.dwg



LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- PROPOSED DESIGN
- EXISTING SURVEY
- SAFETY BARRIER
- KERB RAMP
- PROPOSED SIGN (GIVE WAY)
- EXISTING SIGN (GIVE WAY)
- EXISTING SIGN TO BE REMOVED (GIVE WAY)
- LINEMARKING TAG (L1)
- PAVEMENT ARROW LABEL (AR3(L))
- EXISTING PAVEMENT

PROPOSED SERVICES

- LIGHT POLE
- ELECTRICAL POLE (EP)
- COMMUNICATIONS POLE (CP)
- SIGNAL CONTROL BOX

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 250 @ A1
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	GB
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: SIGNAGE AND LINEMARKING PLAN SHEET 5

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

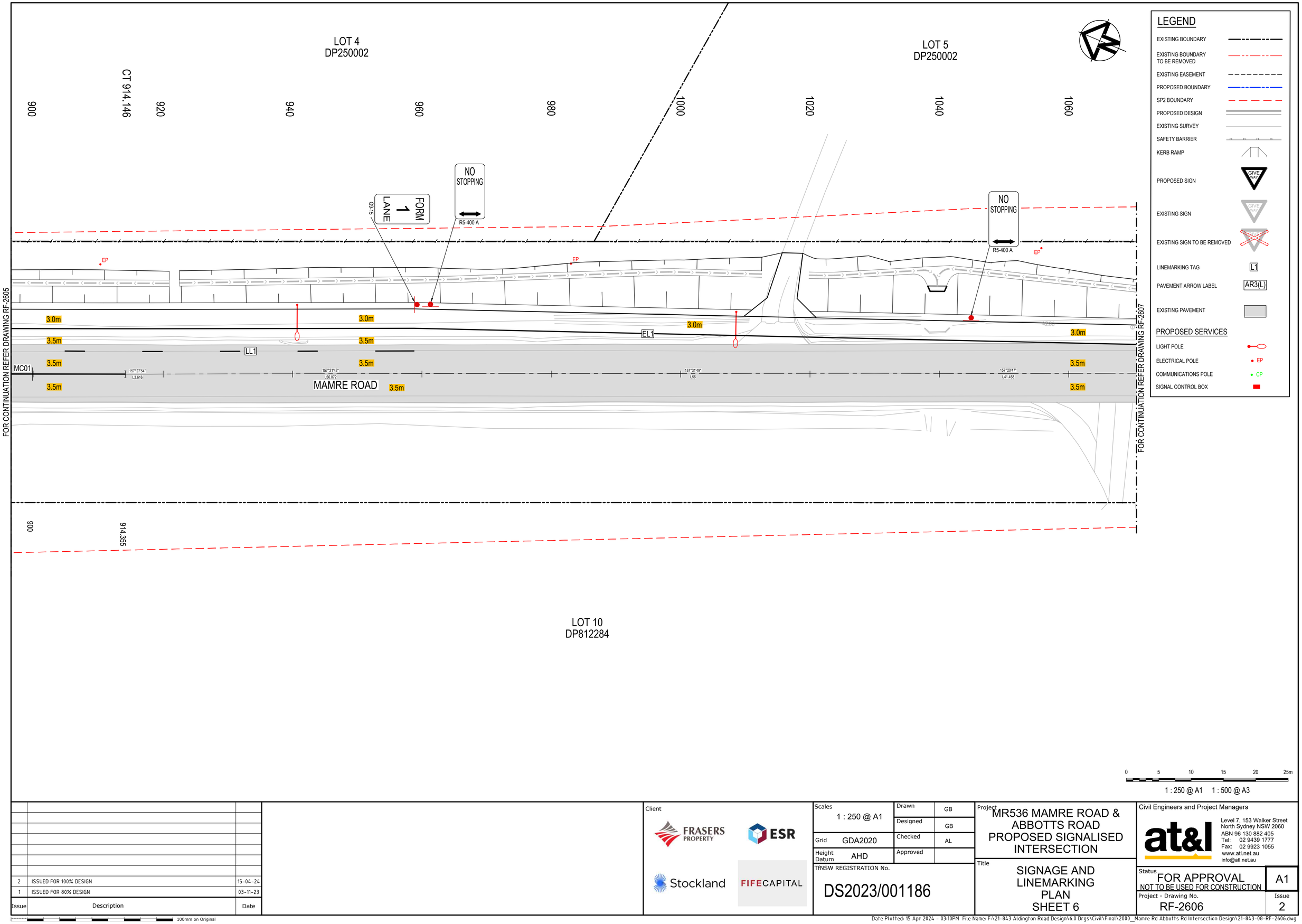
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: RF-2605

Issue: 2

Date Plotted: 15 Apr 2024 - 03:10PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-08-RF-2605.dwg



LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- PROPOSED DESIGN
- EXISTING SURVEY
- SAFETY BARRIER
- KERB RAMP
- PROPOSED SIGN (GIVE WAY)
- EXISTING SIGN (GIVE WAY)
- EXISTING SIGN TO BE REMOVED
- LINEMARKING TAG (L1)
- PAVEMENT ARROW LABEL (AR3(L))
- EXISTING PAVEMENT

PROPOSED SERVICES

- LIGHT POLE
- ELECTRICAL POLE (EP)
- COMMUNICATIONS POLE (CP)
- SIGNAL CONTROL BOX

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	1 : 250 @ A1
Grid	GDA2020
Height Datum	AHD
Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.

DS2023/001186

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: SIGNAGE AND LINEMARKING PLAN SHEET 6

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

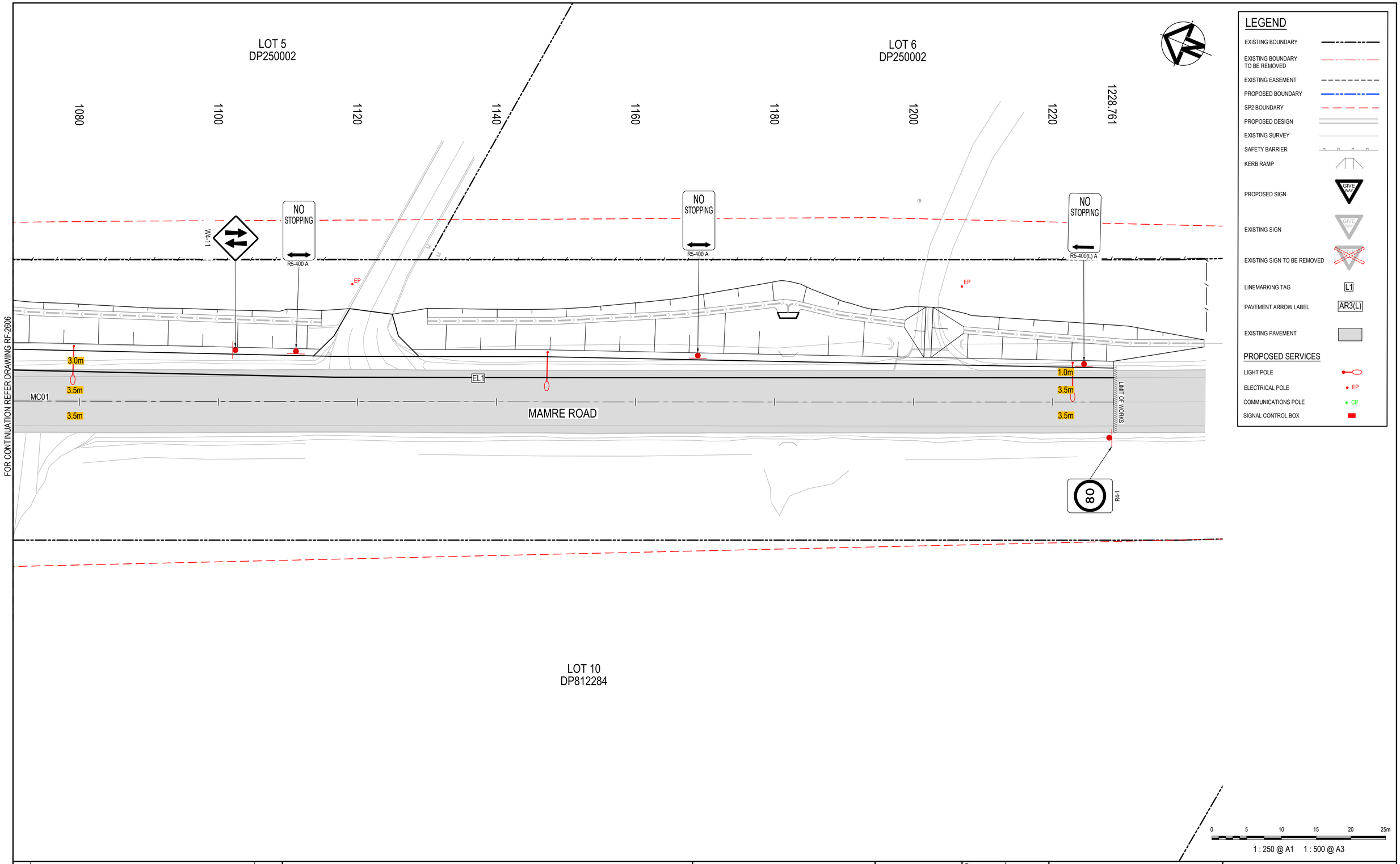
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: RF-2606

Issue: 2

Date Plotted: 15 Apr 2024 - 03:10PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-08-RF-2606.dwg



LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- PROPOSED DESIGN
- EXISTING SURVEY
- SAFETY BARRIER
- KERB RAMP
- PROPOSED SIGN (GIVE WAY)
- EXISTING SIGN (GIVE WAY)
- EXISTING SIGN TO BE REMOVED (GIVE WAY)
- LINEMARKING TAG: L1
- PAVEMENT ARROW LABEL: AR3(L)
- EXISTING PAVEMENT

PROPOSED SERVICES

- LIGHT POLE
- ELECTRICAL POLE: EP
- COMMUNICATIONS POLE: CP
- SIGNAL CONTROL BOX

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	1 : 250 @ A1
Grid	GDA2020
Height Datum	AHD
Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

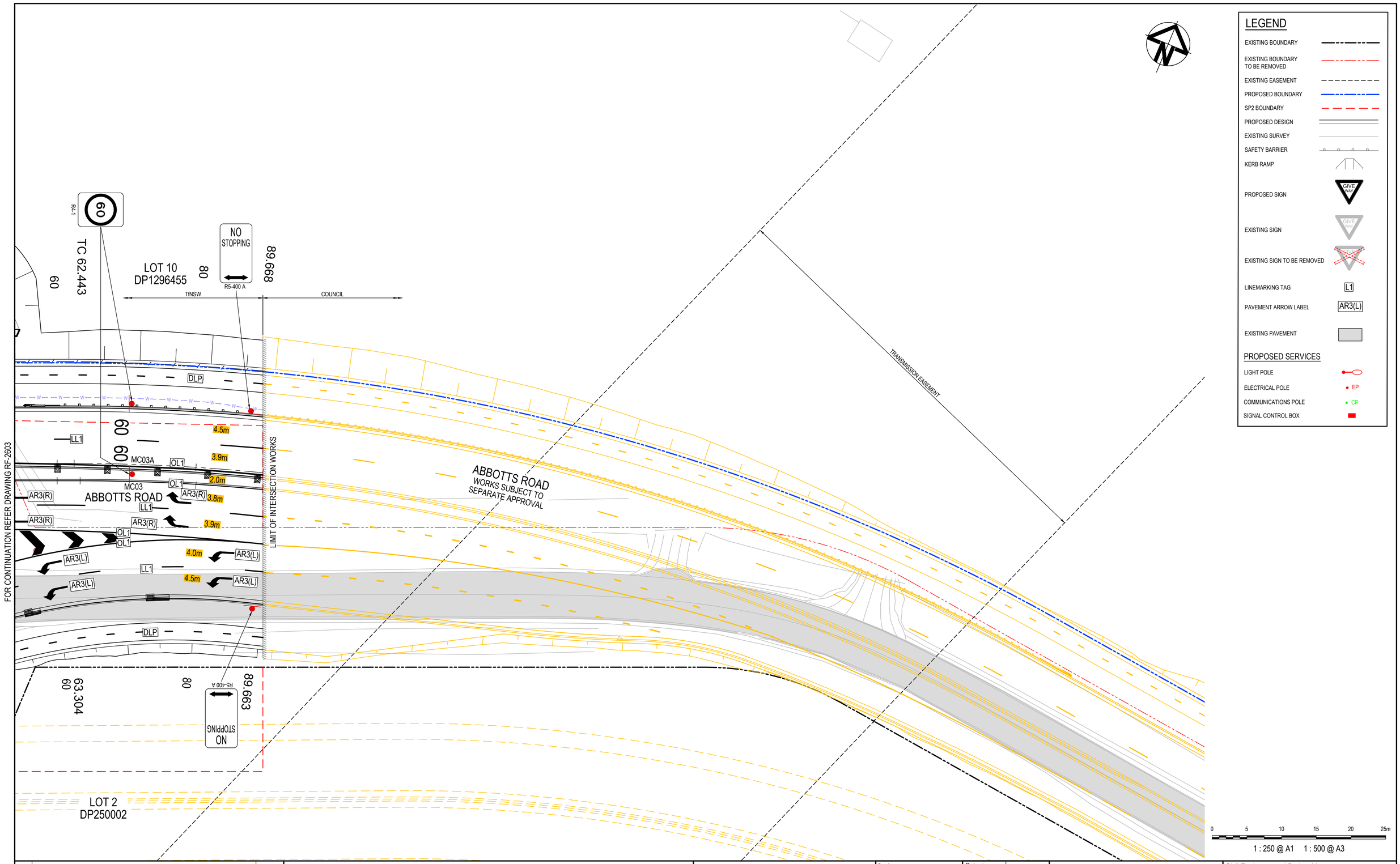
Title
SIGNAGE AND LINEMARKING PLAN SHEET 7

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Project - Drawing No.: RF-2607
Issue: 2

Date Plotted: 15 Apr 2024 - 03:11PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-08-RF-2607.dwg



Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	1 : 250 @ A1
Grid	GDA2020
Height Datum	AHD
Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title
SIGNAGE AND LINEMARKING PLAN SHEET 8

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
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A1

Project - Drawing No.: RF-2608

Issue: 2

Date Plotted: 15 Apr 2024 - 03:12PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-08-RF-2608.dwg

EXISTING SIGNAGE SCHEDULE

EXISTING LOCATION		CODE	SIGNAGE DESCRIPTION	TREATMENT	NEW LOCATION		MOUNTING	REMARK
CONTROL	APPROX. CHAINAGE				CONTROL	APPROX. CHAINAGE		
MC01	325	W2-4(L)	SIDE ROAD INTERSECTION ON STRAIGHT	REMOVE	-	-	-	-
MC01	325	W8-207N_L	150m ON LEFT	REMOVE	-	-	-	-
MC01	479	R2-6N(R)	NO RIGHT TURN	REMOVE	-	-	-	-
MC01	479	R9-1-2	TIMES OF OPERATION	REMOVE	-	-	-	-
MC01	479	D4-1-1	UNIDIRECTIONAL HAZARD MARKER	REMOVE	-	-	-	-
MC01	493	R1-2	GIVE WAY	REMOVE	-	-	-	-
MC01	493	R2-6N(R)	NO RIGHT TURN	REMOVE	-	-	-	-
MC01	493	R9-1-2	TIMES OF OPERATION	REMOVE	-	-	-	-
MC01	643	W2-4(R)	SIDE ROAD INTERSECTION ON STRAIGHT	REMOVE	-	-	-	-
MC01	643	W8-207	150m	REMOVE	-	-	-	-

Issue	Description	Date
1	ISSUED FOR 100% DESIGN	15-04-24

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	NTS	Drawn	GB
		Designed	GB
Grid	GDA2020	Checked	AL
Height Datum	AHD	Approved	

TfNSW REGISTRATION No.

DS2023/001186

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: EXISTING SIGNAGE SCHEDULE

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
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A1

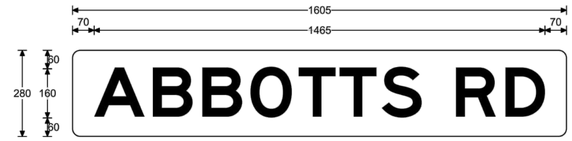
Project - Drawing No.: RF-2651

Issue: 1

Date Plotted: 13 Apr 2024 - 03:49PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-08-RF-2651.dwg

PROPOSED SIGNAGE SCHEDULE

LOCATION		CODE	SIGNAGE DESCRIPTION	MOUNTING	REMARK
CONTROL	APPROX. CHAINAGE				
MC01	36	R4-1	SPEED LIMIT	TYPICAL	-
MC01	38	R5-400(L&R)	NO STOPPING	TYPICAL	-
MC01	39	R5-400(L&R)	NO STOPPING	TYPICAL	-
MC01	53	W4-4	DIVIDED ROAD	TYPICAL	-
MC01	72	W4-11	TWO WAY	TYPICAL	-
MC01	90	R5-400(L&R)	NO STOPPING	TYPICAL	-
MC01	93	W2-4(L)	SIDE ROAD INTERSECTION ON STRAIGHT	TYPICAL	-
MC01	97	R5-400(L&R)	NO STOPPING	TYPICAL	-
MC01	158	R5-400(L&R)	NO STOPPING	TYPICAL	-
MC01	171	R5-400(L&R)	NO STOPPING	TYPICAL	-
MC01	214	R2-14	LEFT TURN ONLY	TYPICAL	-
MC01	231	R5-400(L&R)	NO STOPPING	TYPICAL	-
MC01	247	R5-400(L&R)	NO STOPPING	TYPICAL	-
MC01	249	W8-15	MERGE RIGHT	TYPICAL	-
MC01	309	R5-400(L&R)	NO STOPPING	TYPICAL	-
MC01	310	W4-9	LEFT LANE ENDS	TYPICAL	-
MC01	310	W8-15	MERGE RIGHT	TYPICAL	-
MC01	321	R5-400(L&R)	NO STOPPING	TYPICAL	-
MC01	323	R2-14	LEFT TURN ONLY	TYPICAL	-
MC01	344	R2-14	LEFT TURN ONLY	TYPICAL	-
MC01	360	W4-6	END DIVIDED ROAD	TYPICAL	-
MC01	368	R2-3(L)	KEEP LEFT	TYPICAL	-
MC01	368	R2-5	NO U TURN	TYPICAL	-
MC01	384	R5-400(L&R)	NO STOPPING	TYPICAL	-
MC01	396	R5-400(L&R)	NO STOPPING	TYPICAL	-
MC01	439	STREET NAME	ABBOTTS ROAD STREET NAME SIGNAGE. REFER DETAIL.	TYPICAL	-
MC01	458	R5-400(L&R)	NO STOPPING	TYPICAL	-
MC01	465	D4-1-1	UNIDIRECTIONAL HAZARD MARKER	TYPICAL	-
MC01	480	STREET NAME	ABBOTTS ROAD STREET NAME SIGNAGE. REFER DETAIL.	TYPICAL	-
MC01	485	R2-3(L)	KEEP LEFT	TYPICAL	-
MC01	528	R5-400(L&R)	NO STOPPING	TYPICAL	-
MC01	536	R5-400(L&R)	NO STOPPING	TYPICAL	-
MC01	594	W4-9	LEFT LANE ENDS	TYPICAL	-
MC01	594	W8-15	MERGE RIGHT	TYPICAL	-
MC01	598	R5-400(L&R)	NO STOPPING	TYPICAL	-
MC01	609	R5-400(L&R)	NO STOPPING	TYPICAL	-
MC01	654	G9-73	MERGE RIGHT	TYPICAL	-
MC01	669	R5-400(L&R)	NO STOPPING	TYPICAL	-
MC01	685	R5-400(L&R)	NO STOPPING	TYPICAL	-
MC01	709	R2-5	NO U TURN	TYPICAL	-
MC01	709	R2-3(L)	KEEP LEFT	TYPICAL	-
MC01	743	R5-400(L&R)	NO STOPPING	TYPICAL	-
MC01	758	R5-400(L&R)	NO STOPPING	TYPICAL	-
MC01	793	W2-4(R)	SIDE ROAD INTERSECTION ON STRAIGHT	TYPICAL	-
MC01	800	W4-6	END DIVIDED ROAD	TYPICAL	-
MC01	818	R5-400(L&R)	NO STOPPING	TYPICAL	-
MC01	834	R5-400(R)	NO STOPPING	TYPICAL	-
MC01	877	W4-4	DIVIDED ROAD	TYPICAL	-
MC01	894	R5-400(L&R)	NO STOPPING	TYPICAL	-
MC01	959	G9-15	FORM 1 LANE	TYPICAL	-
MC01	961	R5-400(L&R)	NO STOPPING	TYPICAL	-
MC01	1045	R5-400(L&R)	NO STOPPING	TYPICAL	-
MC01	1102	W4-11	TWO WAY	TYPICAL	-
MC01	1111	R5-400(L&R)	NO STOPPING	TYPICAL	-
MC01	1169	R5-400(L&R)	NO STOPPING	TYPICAL	-
MC01	1225	R5-400(L)	NO STOPPING	TYPICAL	-
MC01	1229	R4-1	SPEED LIMIT	TYPICAL	-
MC03	21	R4-1 x 2	SPEED LIMIT	TYPICAL	-
MC03	21	STREET NAME	MAMRE ROAD STREET NAME SIGNAGE. REFER DETAIL.	TYPICAL	-
MC03	21.298	R1-4 x 2	TRAFFIC SIGNAL STOP	TYPICAL	-
MC03	23.758	R2-3(L)	KEEP LEFT	TYPICAL	-
MC03	23.758	R1-4 x 2	TRAFFIC SIGNAL STOP	TYPICAL	-
MC03	26	R8-2 x 2	SHARED PATH	TYPICAL	-
MC03	26	R7-4	END	TYPICAL	-
MC03	26.675	R6-256n	STOP HERE ON RED ARROW	TYPICAL	-
MC03	33	R8-2 x 2	SHARED PATH	TYPICAL	-
MC03	33	R7-4	END	TYPICAL	-
MC03	37	R5-400(L&R)	NO STOPPING	TYPICAL	-
MC03	47	R1-2	GIVE WAY	TYPICAL	-
MC03	51	R5-400(L&R)	NO STOPPING	TYPICAL	-
MC03	71	R4-1 x 2	SPEED LIMIT	TYPICAL	-
MC03	87	R5-400(L&R)	NO STOPPING	TYPICAL	-
MC03	89	R5-400(L&R)	NO STOPPING	TYPICAL	-



ABBOTTS ROAD STREET NAME SIGNAGE DETAIL
REFER TfNSW SIGNAGE DRAWING 5182_MS1 FOR DETAILS.

MAMRE ROAD STREET NAME SIGNAGE DETAIL
REFER TfNSW SIGNAGE DRAWING 5182_MS2 FOR DETAILS.

Issue	Description	Date
1	ISSUED FOR 100% DESIGN	15-04-24

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: NTS | Drawn: GB | Designed: GB | Checked: AL | Approved:
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: PROPOSED SIGNAGE SCHEDULE

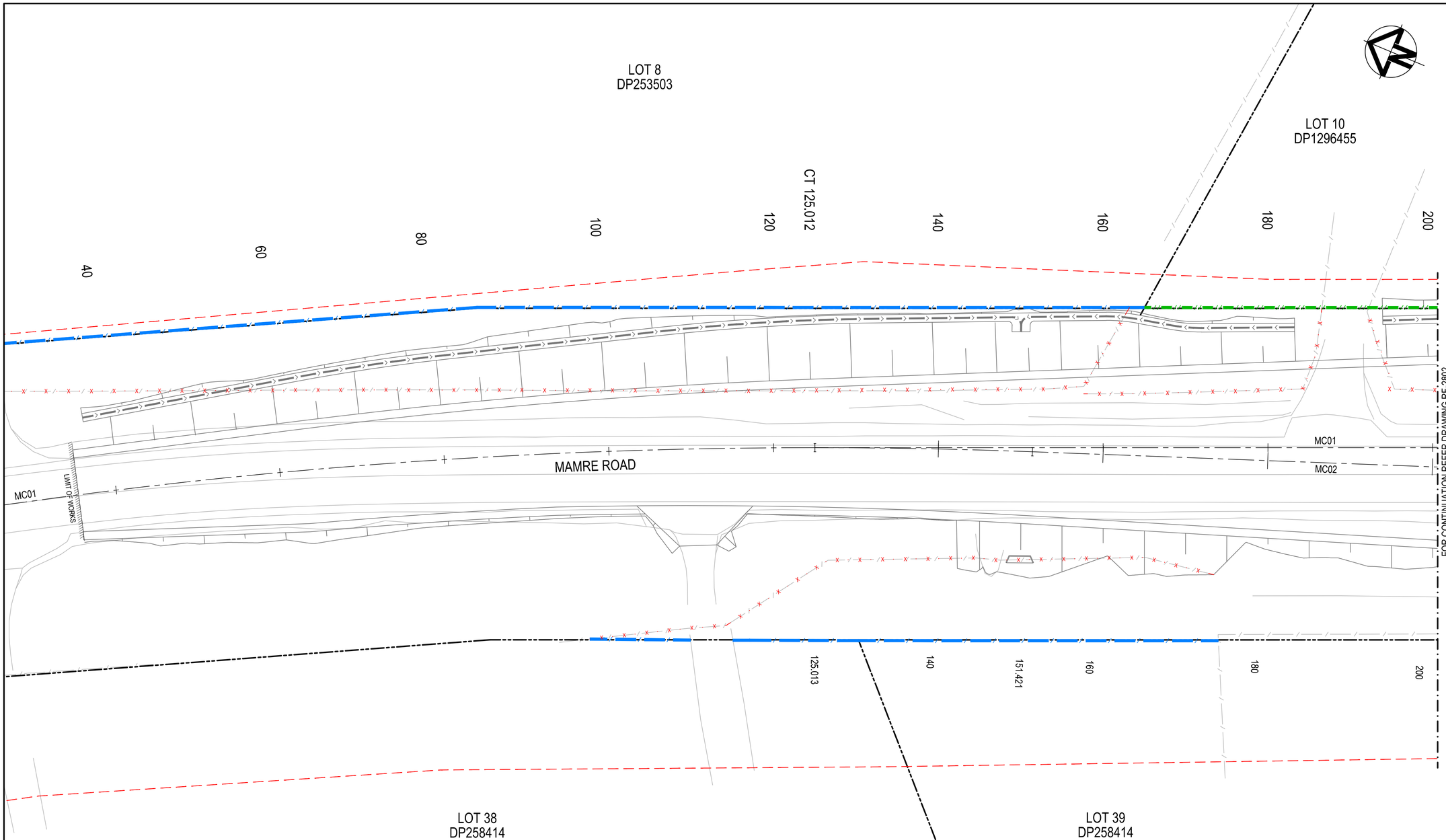
Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Project - Drawing No.: RF-2652
Issue: 1

100mm on Original

Date Plotted: 15 Apr 2024 - 03:12PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-08-RF-2652.dwg



ROADWORKS FURNITURE LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- EXISTING FENCE TO BE REMOVED
- FENCE TYPE 1: WIRE FENCE. REFER DRAWING RF-2710 FOR DETAILS.
- FENCE TYPE 2: POST AND RAIL FENCE. REFER DRAWING RF-2710 FOR DETAILS.
- FENCE TYPE 3: 1800 HIGH CHAIN WIRE GALVANISED FENCE. REFER DRAWING RF-2710 FOR DETAILS.
- BARRIER TYPE 1: TfNSW ACCEPTED TRAFFIC BARRIER WITH ET-SS END TERMINALS. POST LOCATIONS TO BE SETOUT ONSITE AND BE COORDINATED WITH DRAINAGE AND UTILITIES INFRASTRUCTURE

SAFETY BARRIER SCHEDULE

SAFETY BARRIER LABEL	CONTROL	START CH	END CH	OFFSET FROM KERB FACE	TYPE	LEAD-IN TERMINAL	TRAILING TERMINAL
SB01	MC01	547.735	625.897	0.2m	TfNSW APPROVED MASH TL3 STEEL RAIL BARRIER	TfNSW APPROVED MASH TL3 ET-SS OR APPROVED EQUIVALENT	TfNSW APPROVED MASH TL3 ET-SS OR APPROVED EQUIVALENT
SB02	MC03A	55.269	89.668	0.2m	TfNSW APPROVED MASH TL3 STEEL RAIL BARRIER	TfNSW APPROVED MASH TL3 ET-SS OR APPROVED EQUIVALENT	TfNSW APPROVED MASH TL3 ET-SS OR APPROVED EQUIVALENT

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 250 @ A1
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	GB
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: ROAD FURNITURE PLAN SHEET 1

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
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A1

Project - Drawing No.: RF-2701

Issue: 2

Date Plotted: 13 Apr 2024 - 03:50PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-08-RF-2701.dwg

LOT 10
DP1296455

SAG 284.489

220 240 260 280 300 320 340 360

MAMRE ROAD

MC01

MC02

FOR CONTINUATION REFER DRAWING RF-2801

FOR CONTINUATION REFER DRAWING RF-2803

220 240 260 SAG 275.071 280 300 320 TC 327.131 340 360

LOT 39
DP258414

LOT 40
DP258414

ROADWORKS FURNITURE LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- EXISTING FENCE TO BE REMOVED
- FENCE TYPE 1: WIRE FENCE. REFER DRAWING RF-2710 FOR DETAILS.
- FENCE TYPE 2: POST AND RAIL FENCE. REFER DRAWING RF-2710 FOR DETAILS.
- FENCE TYPE 3: 1800 HIGH CHAIN WIRE GALVANISED FENCE. REFER DRAWING RF-2710 FOR DETAILS.
- BARRIER TYPE 1: TfNSW ACCEPTED TRAFFIC BARRIER WITH ET-SS END TERMINALS. POST LOCATIONS TO BE SETOUT ONSITE AND BE COORDINATED WITH DRAINAGE AND UTILITIES INFRASTRUCTURE

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 250 @ A1
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	GB
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: ROAD FURNITURE PLAN SHEET 2

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
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A1

Project - Drawing No.: RF-2702

Issue: 2

Date Plotted: 13 Apr 2024 - 03:50PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-08-RF-2702.dwg

FOR CONTINUATION REFER DRAWING RF-2808

FOR CONTINUATION REFER DRAWING RF-2802

FOR CONTINUATION REFER DRAWING RF-2804

LOT 10
DP1296455

LOT 2
DP250002

LOT 40
DP258414

ABBOTTS ROAD

MAMRE ROAD

MAMRE ROAD

MC01

MC02

MC03A

MC03

0.000

0.000

SAG
24.577

SAG
24.855

CREST 512.676

CREST 513.734

CT 421.407

380 400 420 440 460 480 500 520 540

40 20 20 40

ROADWORKS FURNITURE LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- EXISTING FENCE TO BE REMOVED
- FENCE TYPE 1: WIRE FENCE. REFER DRAWING RF-2710 FOR DETAILS.
- FENCE TYPE 2: POST AND RAIL FENCE. REFER DRAWING RF-2710 FOR DETAILS.
- FENCE TYPE 3: 1800 HIGH CHAIN WIRE GALVANISED FENCE. REFER DRAWING RF-2710 FOR DETAILS.
- BARRIER TYPE 1: TfNSW ACCEPTED TRAFFIC BARRIER WITH ET-SS END TERMINALS. POST LOCATIONS TO BE SETOUT ONSITE AND BE COORDINATED WITH DRAINAGE AND UTILITIES INFRASTRUCTURE

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 250 @ A1
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	GB
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: ROAD FURNITURE PLAN SHEET 3

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
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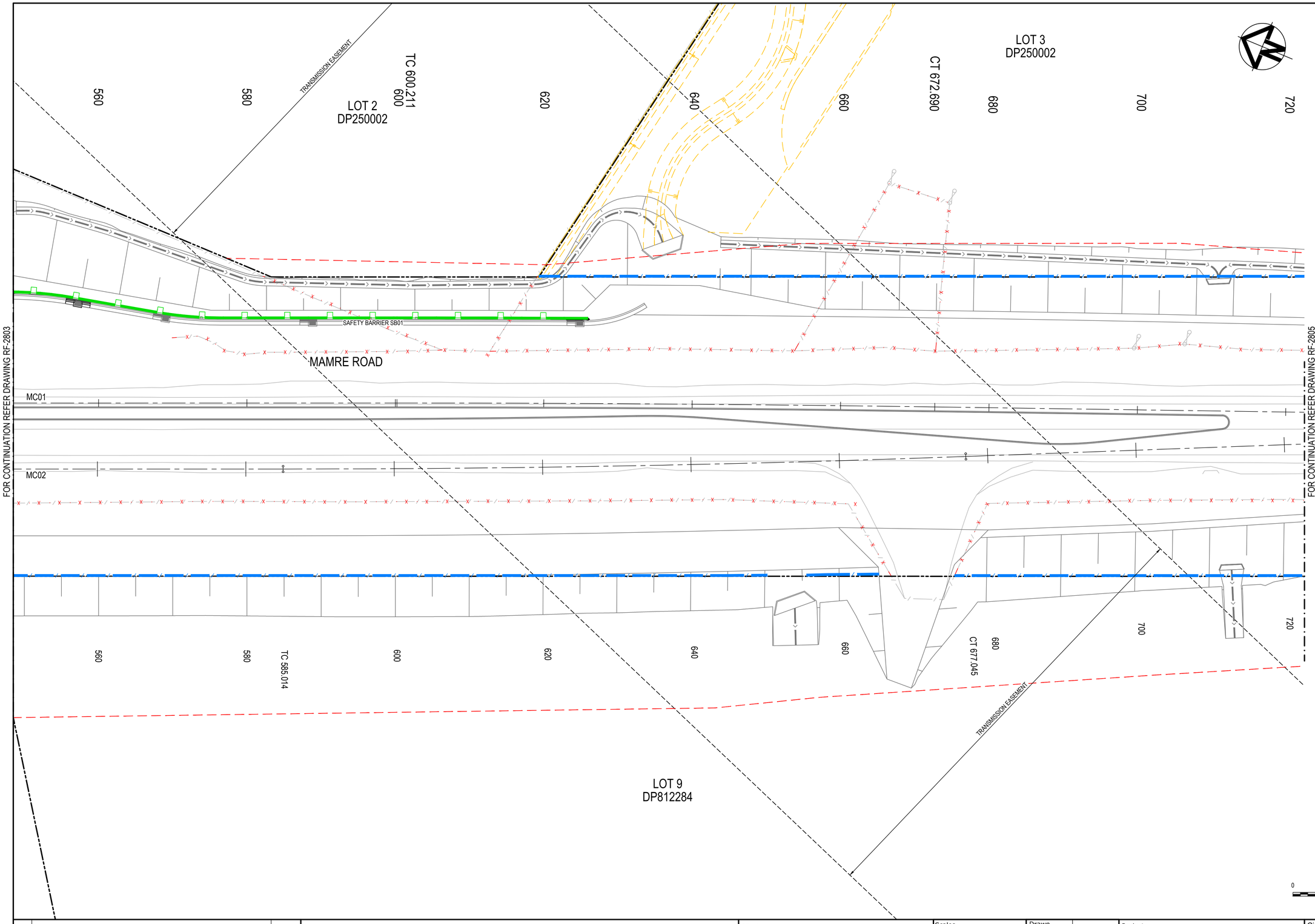
A1

Project - Drawing No.: RF-2703

Issue: 2

Date Plotted: 13 Apr 2024 - 03:50PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-08-RF-2703.dwg



ROADWORKS FURNITURE LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- EXISTING FENCE TO BE REMOVED
- FENCE TYPE 1: WIRE FENCE. REFER DRAWING RF-2710 FOR DETAILS.
- FENCE TYPE 2: POST AND RAIL FENCE. REFER DRAWING RF-2710 FOR DETAILS.
- FENCE TYPE 3: 1800 HIGH CHAIN WIRE GALVANISED FENCE. REFER DRAWING RF-2710 FOR DETAILS.
- BARRIER TYPE 1: TINSW ACCEPTED TRAFFIC BARRIER WITH ET-SS END TERMINALS. POST LOCATIONS TO BE SETOUT ONSITE AND BE COORDINATED WITH DRAINAGE AND UTILITIES INFRASTRUCTURE

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	1 : 250 @ A1
Grid	GDA2020
Height Datum	AHD
Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title
ROAD FURNITURE PLAN SHEET 4

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Project - Drawing No.: RF-2704
Issue: 2

Date Plotted: 13 Apr 2024 - 03:51PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-08-RF-2704.dwg

LOT 3
DP250002

LOT 4
DP250002

740 760 780 SAG 782.176 800 820 TC 841.667 840 860 880

MAMRE ROAD

MC01

MC02

FOR CONTINUATION REFER DRAWING RF-2804

FOR CONTINUATION REFER DRAWING RF-2806

TC 731.727 740 760 780 SAG 788.576 800 820 CT 823.758 840 860 880

LOT 9
DP812284

LOT 10
DP812284

ROADWORKS FURNITURE LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- EXISTING FENCE TO BE REMOVED
- FENCE TYPE 1: WIRE FENCE. REFER DRAWING RF-2710 FOR DETAILS.
- FENCE TYPE 2: POST AND RAIL FENCE. REFER DRAWING RF-2710 FOR DETAILS.
- FENCE TYPE 3: 1800 HIGH CHAIN WIRE GALVANISED FENCE. REFER DRAWING RF-2710 FOR DETAILS.
- BARRIER TYPE 1: TINSW ACCEPTED TRAFFIC BARRIER WITH ET-SS END TERMINALS. POST LOCATIONS TO BE SETOUT ONSITE AND BE COORDINATED WITH DRAINAGE AND UTILITIES INFRASTRUCTURE

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 250 @ A1
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	GB
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: ROAD FURNITURE PLAN SHEET 5

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: RF-2705

Issue: 2

Date Plotted: 13 Apr 2024 - 03:51PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-08-RF-2705.dwg

LOT 4
DP250002

LOT 5
DP250002

CT 914.146

900 920 940 960 980 1000 1020 1040 1060

MC01

MAMRE ROAD

FOR CONTINUATION REFER DRAWING RF-2805

FOR CONTINUATION REFER DRAWING RF-2807

900 914.355

LOT 10
DP812284

ROADWORKS FURNITURE LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- EXISTING FENCE TO BE REMOVED
- FENCE TYPE 1: WIRE FENCE. REFER DRAWING RF-2710 FOR DETAILS.
- FENCE TYPE 2: POST AND RAIL FENCE. REFER DRAWING RF-2710 FOR DETAILS.
- FENCE TYPE 3: 1800 HIGH CHAIN WIRE GALVANISED FENCE. REFER DRAWING RF-2710 FOR DETAILS.
- BARRIER TYPE 1: TINSW ACCEPTED TRAFFIC BARRIER WITH ET-SS END TERMINALS. POST LOCATIONS TO BE SETOUT ONSITE AND BE COORDINATED WITH DRAINAGE AND UTILITIES INFRASTRUCTURE

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 250 @ A1

Grid: GDA2020

Height Datum: AHD

Drawn: GB

Designed: GB

Checked: AL

Approved:

TfNSW REGISTRATION No.

DS2023/001186

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: ROAD FURNITURE PLAN SHEET 6

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

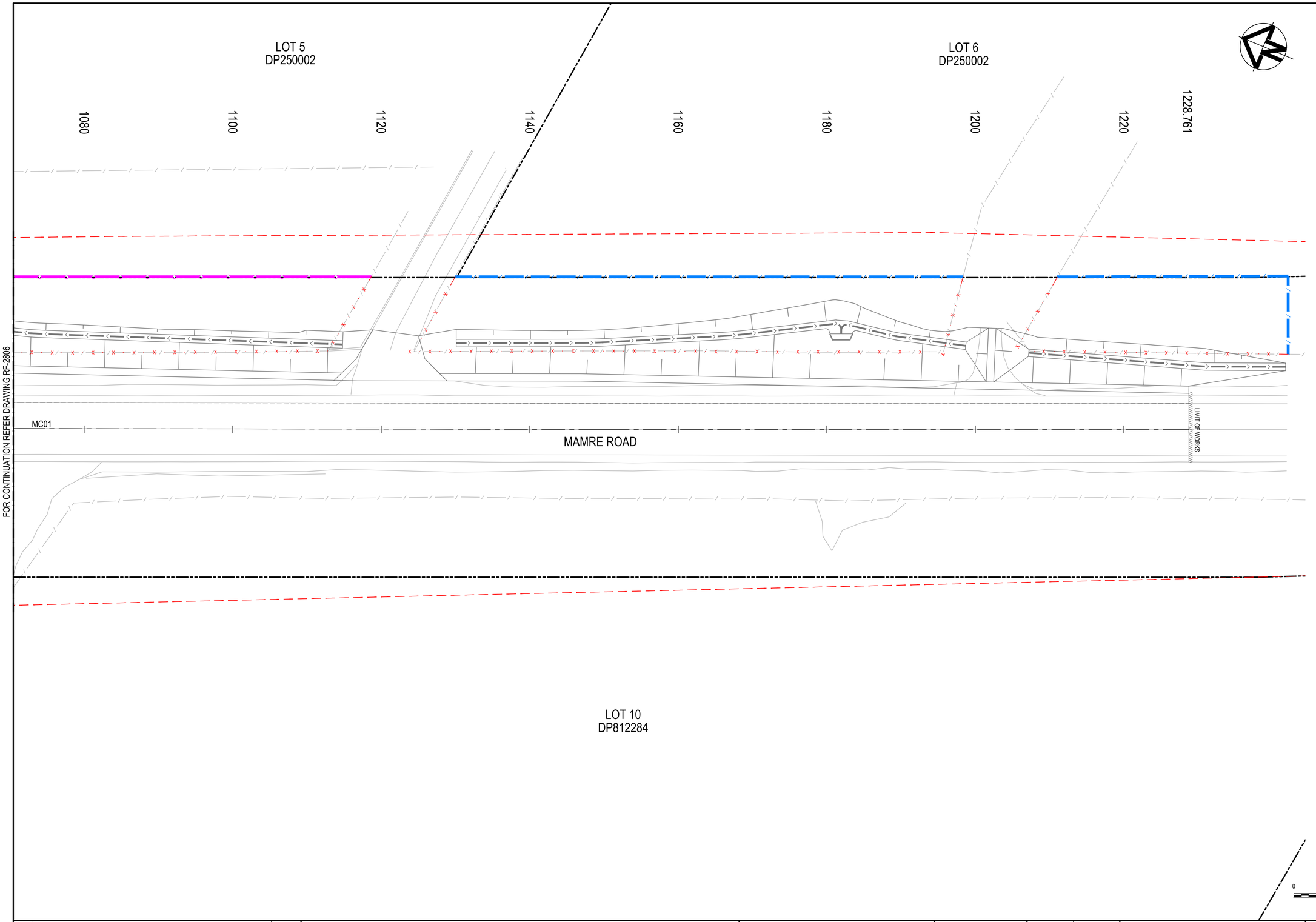
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: RF-2706

Issue: 2

Date Plotted: 13 Apr 2024 - 03:52PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-08-RF-2706.dwg



ROADWORKS FURNITURE LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- EXISTING FENCE TO BE REMOVED
- FENCE TYPE 1: WIRE FENCE. REFER DRAWING RF-2710 FOR DETAILS.
- FENCE TYPE 2: POST AND RAIL FENCE. REFER DRAWING RF-2710 FOR DETAILS.
- FENCE TYPE 3: 1800 HIGH CHAIN WIRE GALVANISED FENCE. REFER DRAWING RF-2710 FOR DETAILS.
- BARRIER TYPE 1: TINSW ACCEPTED TRAFFIC BARRIER WITH ET-SS END TERMINALS. POST LOCATIONS TO BE SETOUT ONSITE AND BE COORDINATED WITH DRAINAGE AND UTILITIES INFRASTRUCTURE

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	1 : 250 @ A1
Grid	GDA2020
Height Datum	AHD
Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title
ROAD FURNITURE PLAN SHEET 7

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

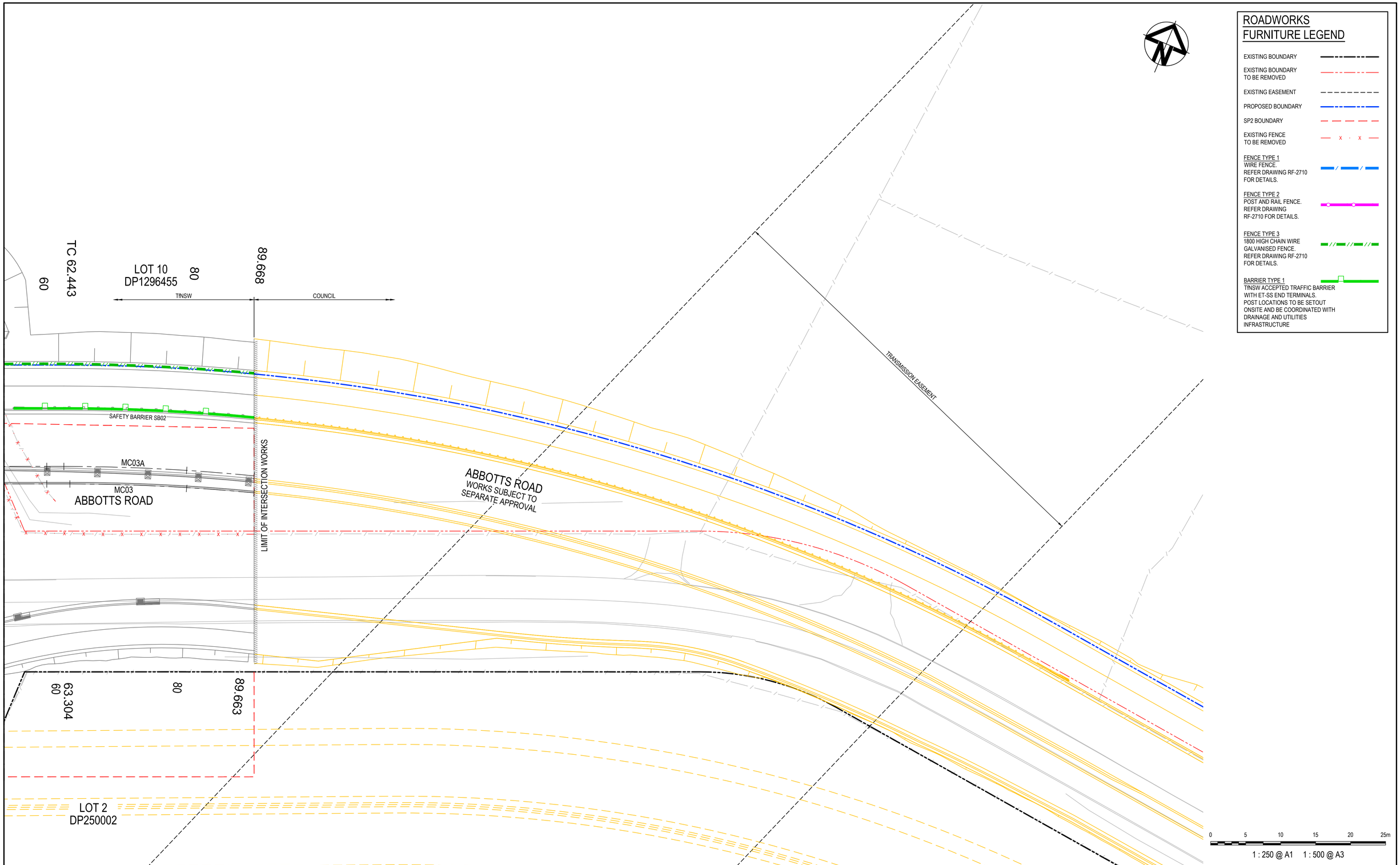
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: RF-2707

Issue: 2

Date Plotted: 13 Apr 2024 - 03:52PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-08-RF-2707.dwg



ROADWORKS FURNITURE LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- EXISTING FENCE TO BE REMOVED
- FENCE TYPE 1: WIRE FENCE. REFER DRAWING RF-2710 FOR DETAILS.
- FENCE TYPE 2: POST AND RAIL FENCE. REFER DRAWING RF-2710 FOR DETAILS.
- FENCE TYPE 3: 1800 HIGH CHAIN WIRE GALVANISED FENCE. REFER DRAWING RF-2710 FOR DETAILS.
- BARRIER TYPE 1: TfNSW ACCEPTED TRAFFIC BARRIER WITH ET-SS END TERMINALS. POST LOCATIONS TO BE SETOUT ONSITE AND BE COORDINATED WITH DRAINAGE AND UTILITIES INFRASTRUCTURE

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	1 : 250 @ A1
Grid	GDA2020
Height Datum	AHD
Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

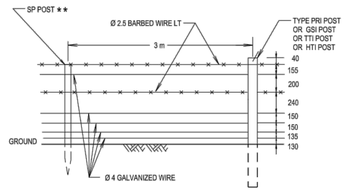
Title
ROAD FURNITURE PLAN SHEET 8

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Project - Drawing No.: RF-2708
Issue: 2

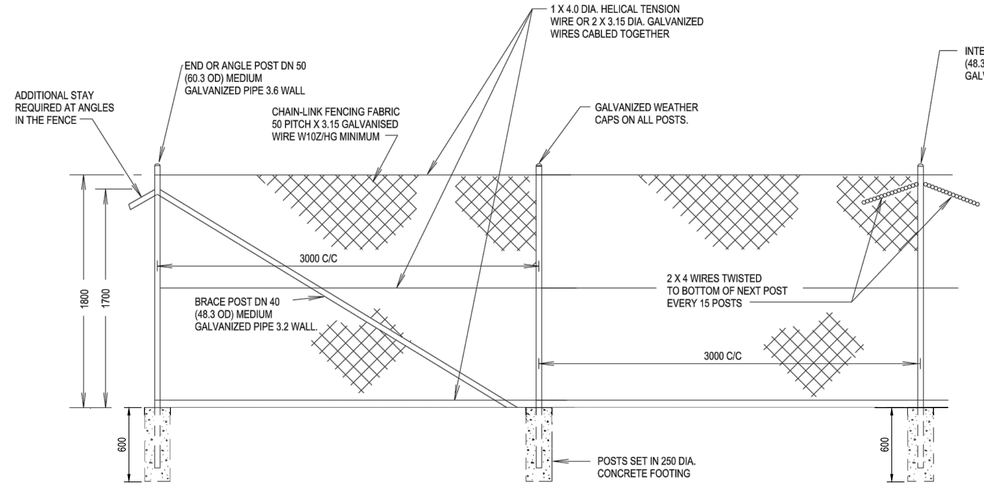
Date Plotted: 13 Apr 2024 - 03:52PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-08-RF-2708.dwg



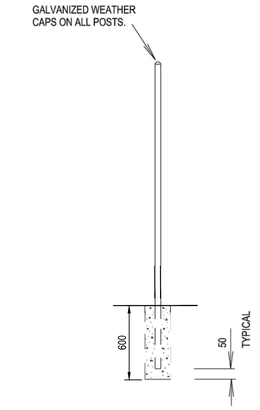
FENCE TYPE 1 - WIRE FENCE

TfNW MODEL R0800-02

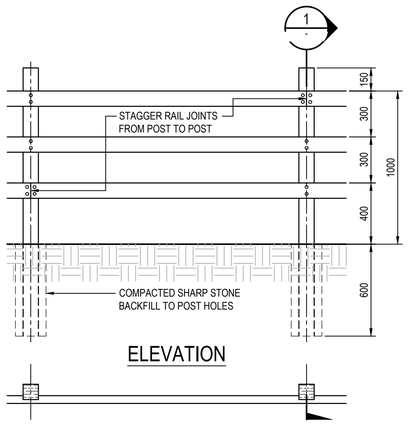
NTS



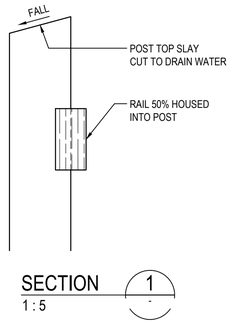
FENCE PANEL



SECTION THROUGH
INTERMEDIATE POST



ELEVATION

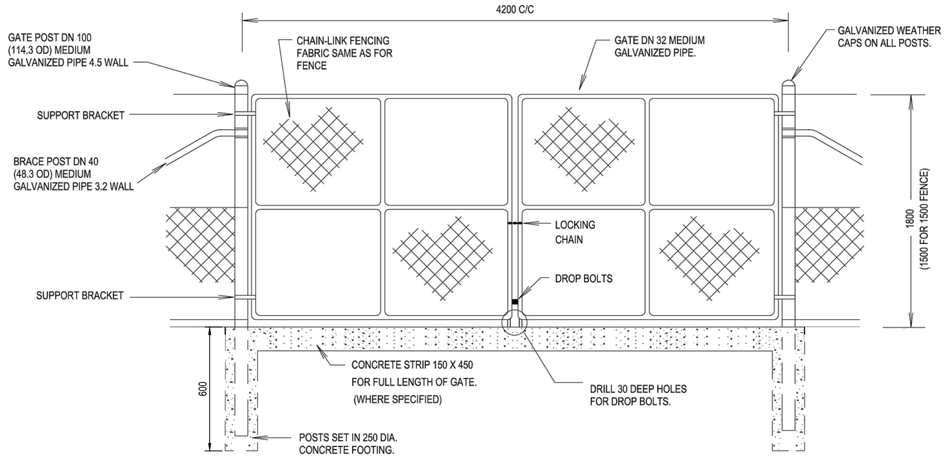


SECTION 1 / 1 : 5

FENCE TYPE 2 - POST AND RAIL FENCE

1 : 20

POSTS: 100 x 100
RAILS: 100 x 50
TIMBER: H4 - H5
TREATED HARDWOOD
FIXINGS: GALVANISED
STEEL
FINISH: SAWN



FENCE TYPE 3 - 1800 HIGH CHAIN WIRE GALVANISED FENCE

TfNW MODEL R0800-08

NTS

NOTES
1. ALL CONCRETE TO BE 20 MPa.
2. JOINTS TO BE WELDED AND PAINTED WITH ZINC RICH PRIMER.
3. FENCING MATERIALS ARE TO BE IN ACCORDANCE WITH THE SPECIFICATION - R 201.
4. BOUNDARY SIGNS TO BE SUPPLIED AND FIXED AS SHOWN ON DS2014/005992
5. SPECIAL REQUIREMENTS MAY APPLY TO THE ERECTION PROCEDURES FOR FENCES INSTALLED NEAR HIGH VOLTAGE TRANSMISSION LINES. THE RELEVANT ELECTRICITY AUTHORITY SHOULD BE CONTACTED PRIOR TO THE INSTALLATION OF THE FENCE.

0 50 100 200 300 400 500mm

1 : 5 @ A1 1 : 10 @ A3

0 500 1000 1500 2000mm

1 : 20 @ A1 1 : 40 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales		Drawn	GB
	AS SHOWN	Designed	GB
Grid	GDA2020	Checked	AL
Height Datum	AHD	Approved	

TfNSW REGISTRATION No.

DS2023/001186

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: ROAD FURNITURE DETAILS

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: RF-2710

Issue: 2

Date Plotted: 13 Apr 2024 - 03:53PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-08-RF-2710.dwg

30m A-DOUBLE PBS LEVEL 2B
DESIGN VEHICLE

METERS

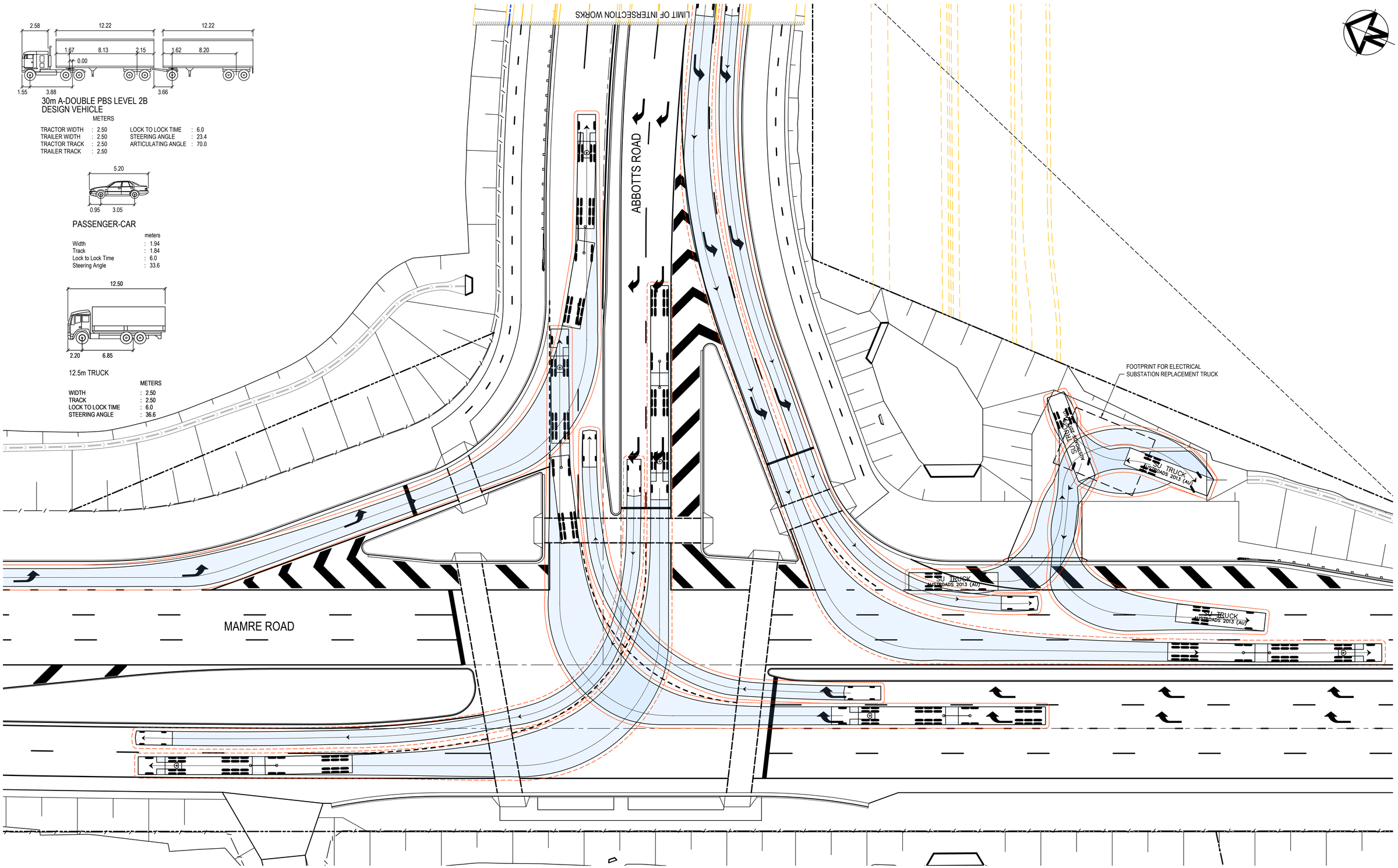
TRACTOR WIDTH	: 2.50	LOCK TO LOCK TIME	: 6.0
TRAILER WIDTH	: 2.50	STEERING ANGLE	: 23.4
TRACTOR TRACK	: 2.50	ARTICULATING ANGLE	: 70.0
TRAILER TRACK	: 2.50		

PASSENGER-CAR

	meters
Width	: 1.94
Track	: 1.84
Lock to Lock Time	: 6.0
Steering Angle	: 33.6

12.5m TRUCK

	METERS
WIDTH	: 2.50
TRACK	: 2.50
LOCK TO LOCK TIME	: 6.0
STEERING ANGLE	: 36.6



Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Client

FRASERS PROPERTY ESR Stockland FIFECAPITAL

Scales	1 : 250 @ A1	Drawn	GB
		Designed	GB
Grid	GDA2020	Checked	AL
Height Datum	AHD	Approved	

TfNSW REGISTRATION No.

DS2023/001186

Project

MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title

VEHICLE TURN PATH PLAN SHEET 1

Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

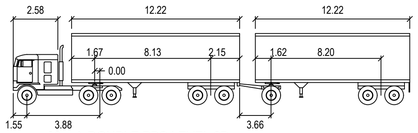
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: MS-2801

Issue: 2

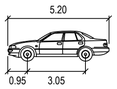
Date Plotted: 13 Apr 2024 - 03:53PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-09-MS-2801.dwg



30m A-DOUBLE PBS LEVEL 2B
DESIGN VEHICLE

METERS

TRACTOR WIDTH	: 2.50	LOCK TO LOCK TIME	: 6.0
TRAILER WIDTH	: 2.50	STEERING ANGLE	: 23.4
TRACTOR TRACK	: 2.50	ARTICULATING ANGLE	: 70.0
TRAILER TRACK	: 2.50		



PASSENGER-CAR

	meters
Width	: 1.94
Track	: 1.84
Lock to Lock Time	: 6.0
Steering Angle	: 33.6

LIMIT OF INTERSECTION WORKS

ABBOTTS ROAD

MAMRE ROAD

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

100mm on Original

Client

FRASERS PROPERTY ESR Stockland FIFECAPITAL

Scales	1 : 250 @ A1	Drawn	GB
		Designed	GB
Grid	GDA2020	Checked	AL
Height Datum	AHD	Approved	

TfNSW REGISTRATION No.

DS2023/001186

Project

MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title

VEHICLE TURN PATH PLAN SHEET 2

Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

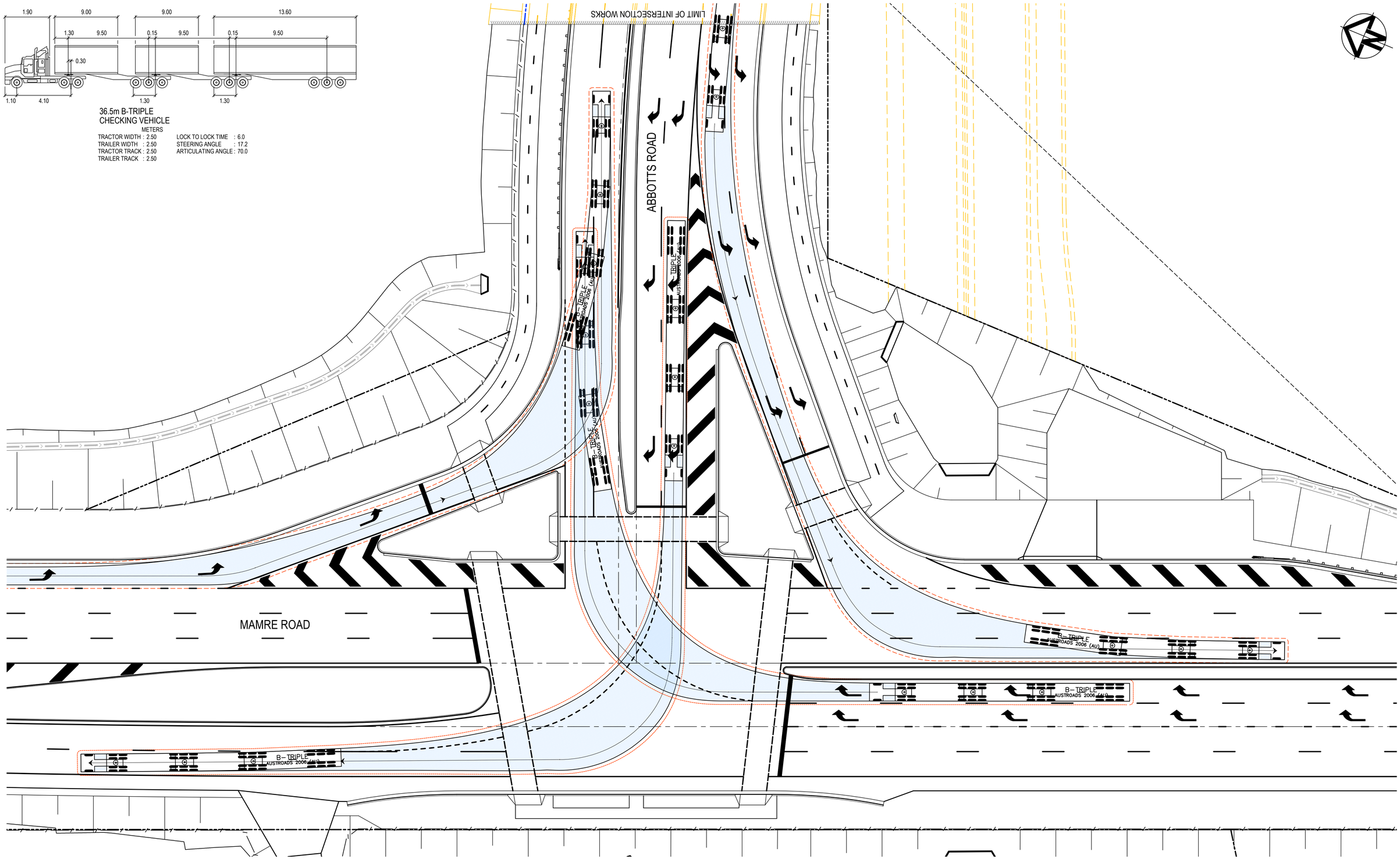
Status: FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	A1
Project - Drawing No.: MS-2802	Issue: 2

Date Plotted: 13 Apr 2024 - 03:53PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-09-MS-2802.dwg

36.5m B-TRIPLE
CHECKING VEHICLE

METERS

TRACTOR WIDTH	: 2.50	LOCK TO LOCK TIME	: 6.0
TRAILER WIDTH	: 2.50	STEERING ANGLE	: 17.2
TRACTOR TRACK	: 2.50	ARTICULATING ANGLE	: 70.0
TRAILER TRACK	: 2.50		



Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Client

FRASERS PROPERTY ESR Stockland FIFECAPITAL

Scales	1 : 250 @ A1	Drawn	GB
		Designed	GB
Grid	GDA2020	Checked	AL
Height Datum	AHD	Approved	

TfNSW REGISTRATION No.

DS2023/001186

Project

MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title

VEHICLE TURN PATH PLAN SHEET 3

Civil Engineers and Project Managers

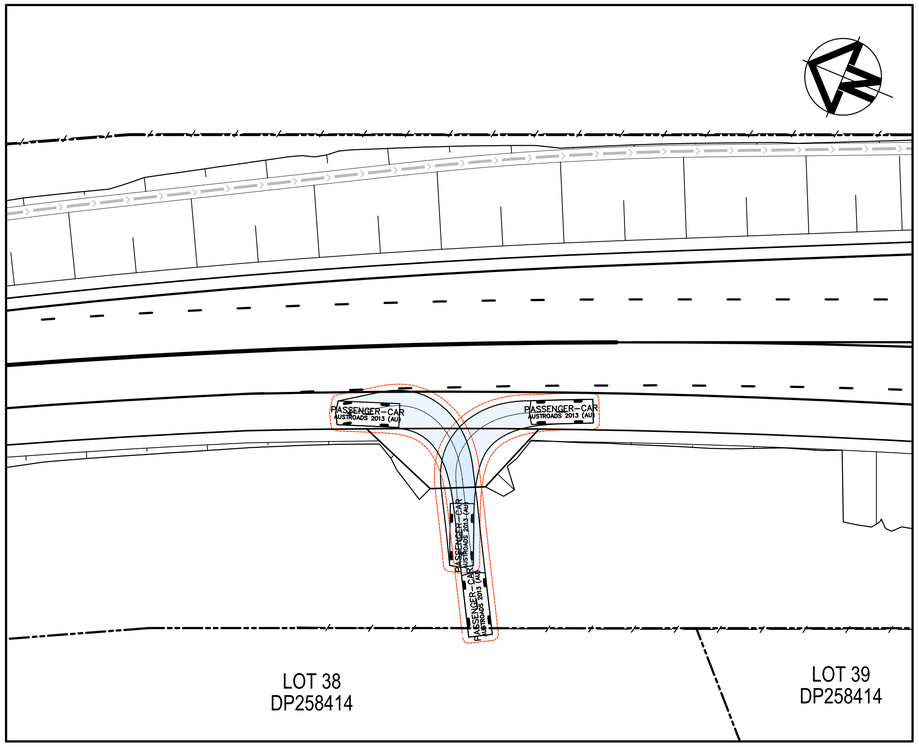
at&l

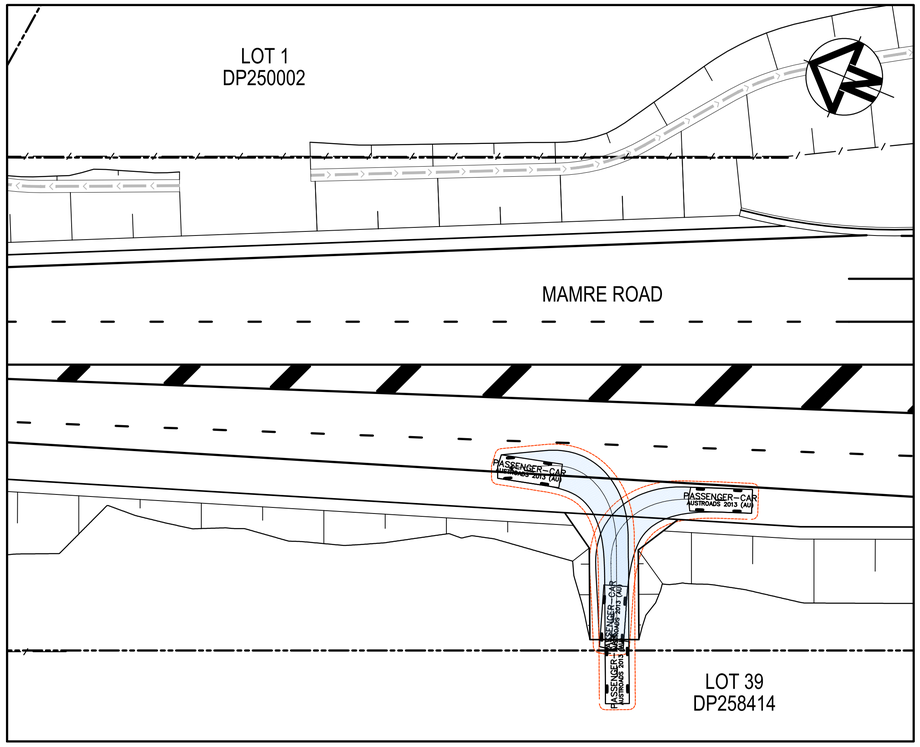
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

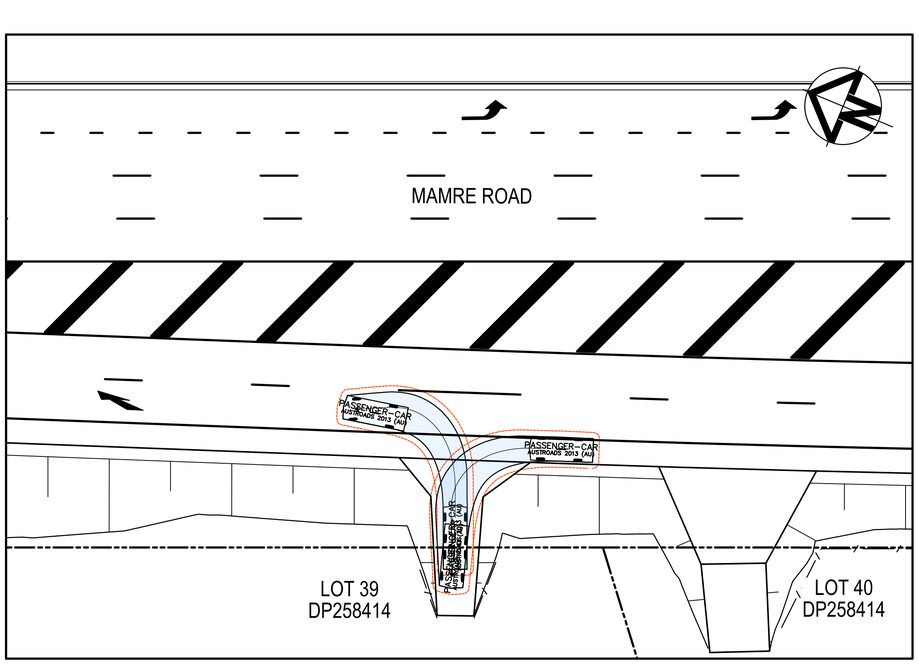
Status		
FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION		A1
Project - Drawing No.		Issue
MS-2803		2

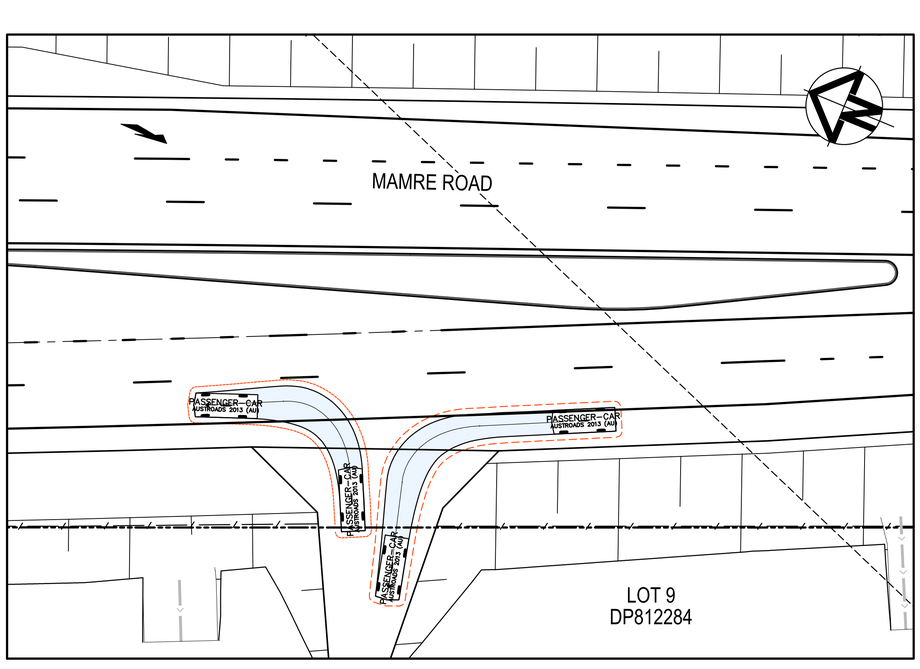
100mm on Original

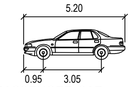
Date Plotted: 13 Apr 2024 - 03:54PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-09-MS-2803.dwg











PASSENGER-CAR
DESIGN VEHICLE

		METERS
WIDTH	:	1.94
TRACK	:	1.84
LOCK TO LOCK TIME	:	6.0
STEERING ANGLE	:	33.6

0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client

FRASERS PROPERTY · ESR · Stockland · FIFECAPITAL

Scales	1 : 250 @ A1	Drawn	GB
		Designed	GB
Grid	GDA2020	Checked	AL
Height Datum	AHD	Approved	

TfNSW REGISTRATION No.

DS2023/001186

Project

MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title

VEHICLE TURN PATH PLAN SHEET 4

Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

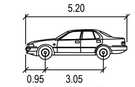
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: MS-2804

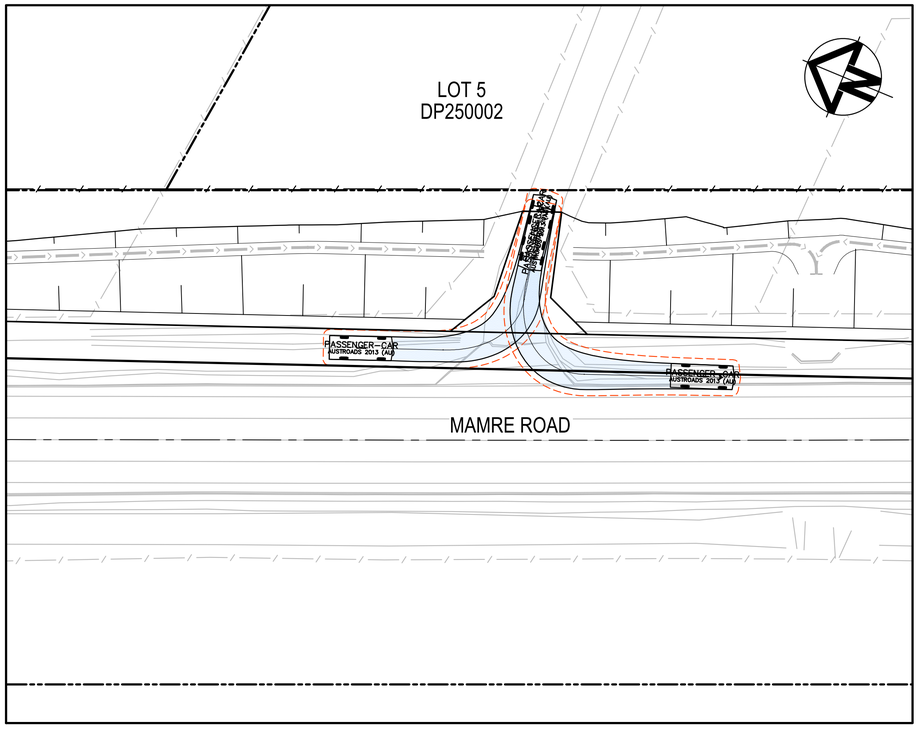
Issue: 2

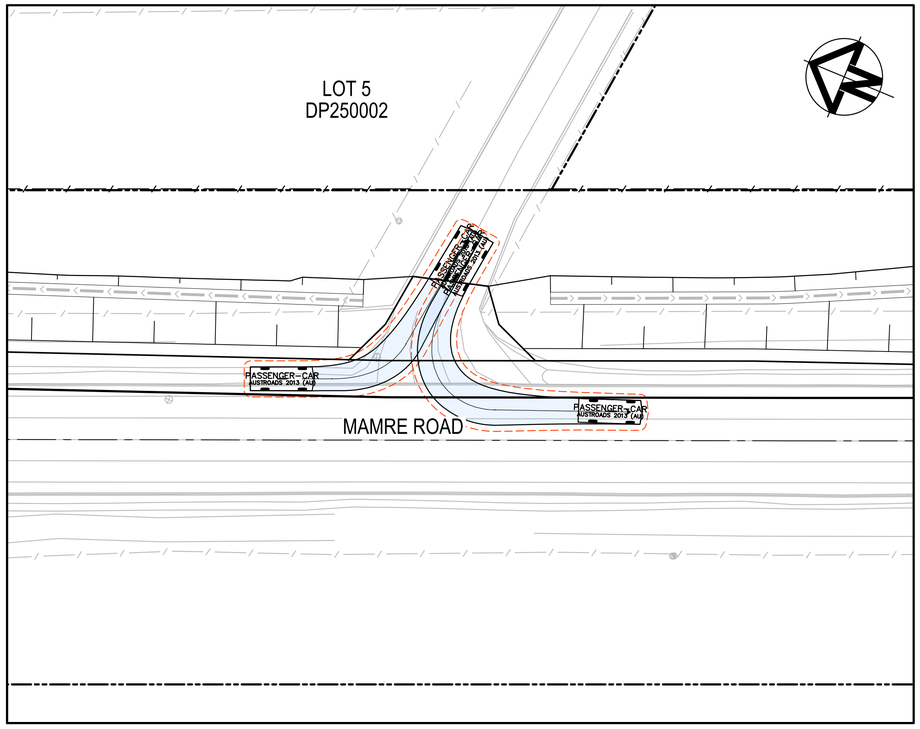
Date Plotted: 13 Apr 2024 - 03:54PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-09-MS-2804.dwg



PASSENGER-CAR
DESIGN VEHICLE

		METERS
WIDTH	:	1.94
TRACK	:	1.84
LOCK TO LOCK TIME	:	6.0
STEERING ANGLE	:	33.6





0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client

FRASERS PROPERTY · ESR · Stockland · FIFECAPITAL

Scales: 1 : 250 @ A1

Grid: GDA2020

Height Datum: AHD

Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.

DS2023/001186

Project

MR536 MAMRE ROAD &
ABBOTTS ROAD
PROPOSED SIGNALISED
INTERSECTION

Title

VEHICLE TURN PATH
PLAN
SHEET 5

Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

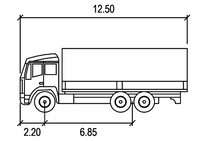
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: MS-2805

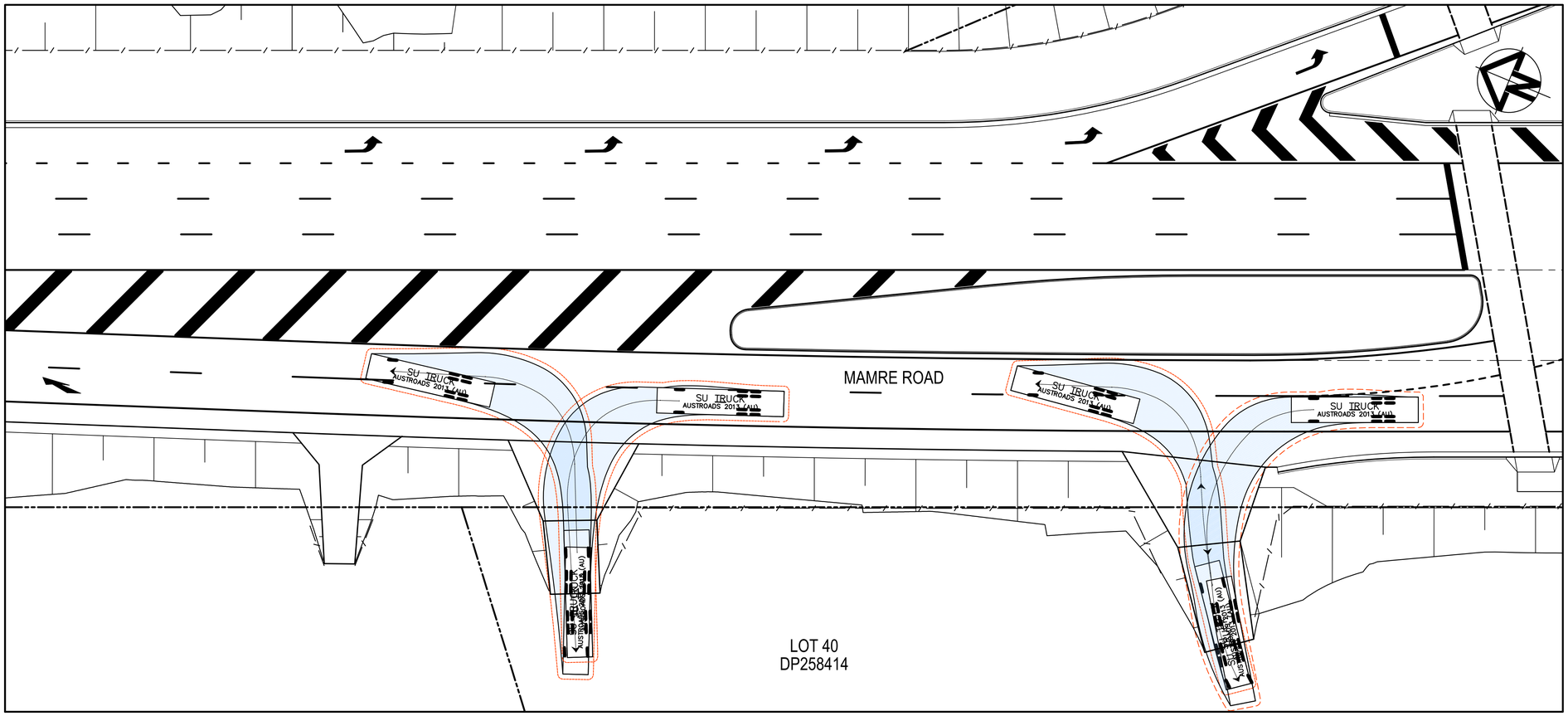
Issue: 2

Date Plotted: 13 Apr 2024 - 03:54PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-09-MS-2805.dwg



12.5m TRUCK
DESIGN VEHICLE

		METERS
WIDTH	:	2.50
TRACK	:	2.50
LOCK TO LOCK TIME	:	6.0
STEERING ANGLE	:	36.6



0 5 10 15 20 25m

1 : 250 @ A1 1 : 500 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales: 1 : 250 @ A1
Grid: GDA2020
Height Datum: AHD
TfNSW REGISTRATION No.: DS2023/001186

Drawn	GB
Designed	GB
Checked	AL
Approved	

Project: MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title: VEHICLE TURN PATH PLAN SHEET 6

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: MS-2806

Issue: 2

Date Plotted: 13 Apr 2024 - 03:54PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-09-MS-2806.dwg

LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- AREA INCLUDED WITHIN TfNSW MAINTENANCE SERVICES
- SAFETY BARRIERS INCLUDED WITHIN TfNSW MAINTENANCE SERVICES
- AREA EXCLUDED WITHIN TfNSW MAINTENCE SERVICES - TO BE MAINTAINED BY COUNCIL
- TRAFFIC CONTROL INFRASTRUCTRE INCLUDED WITHIN TfNSW MAINTENANCE SERVICES AS PER TfNSW SPECIFICATION INCLUDING PAVEMENT MARKING, KERBS, MEDIANS AND KERB RAMPS

LOT 8
DP253503

LOT 10
DP1296455

MAMRE ROAD

LIMIT OF WORKS

FOR CONTINUATION REFER DRAWING 21-843-MS-C2902

LOT 38
DP258414

LOT 39
DP258414

0 10 20 30 40 50m

1 : 500 @ A1 1 : 1000 @ A3

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	1 : 500 @ A1
Grid	GDA2020
Height Datum	AHD
Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title
MAINTENANCE PLAN SHEET 1

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

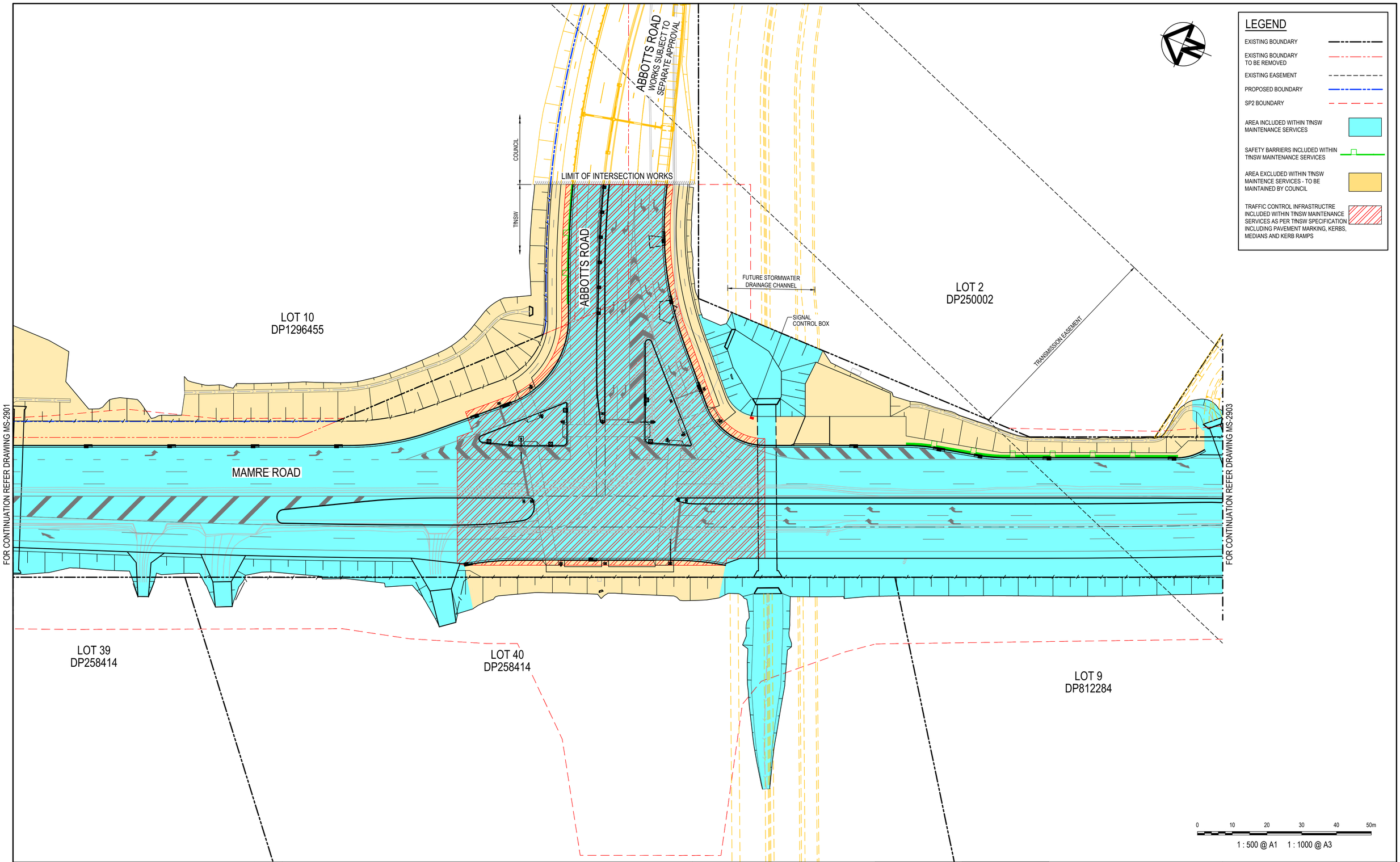
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: MS-2901

Issue: 2

Date Plotted: 13 Apr 2024 - 03:55PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-09-MS-2901.dwg



LEGEND

- EXISTING BOUNDARY
- EXISTING BOUNDARY TO BE REMOVED
- EXISTING EASEMENT
- PROPOSED BOUNDARY
- SP2 BOUNDARY
- AREA INCLUDED WITHIN TfNSW MAINTENANCE SERVICES
- SAFETY BARRIERS INCLUDED WITHIN TfNSW MAINTENANCE SERVICES
- AREA EXCLUDED WITHIN TfNSW MAINTENCE SERVICES - TO BE MAINTAINED BY COUNCIL
- TRAFFIC CONTROL INFRASTRUCTRE INCLUDED WITHIN TfNSW MAINTENANCE SERVICES AS PER TfNSW SPECIFICATION INCLUDING PAVEMENT MARKING, KERBS, MEDIANS AND KERB RAMPS

Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	1 : 500 @ A1
Grid	GDA2020
Height Datum	AHD
Drawn	GB
Designed	GB
Checked	AL
Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

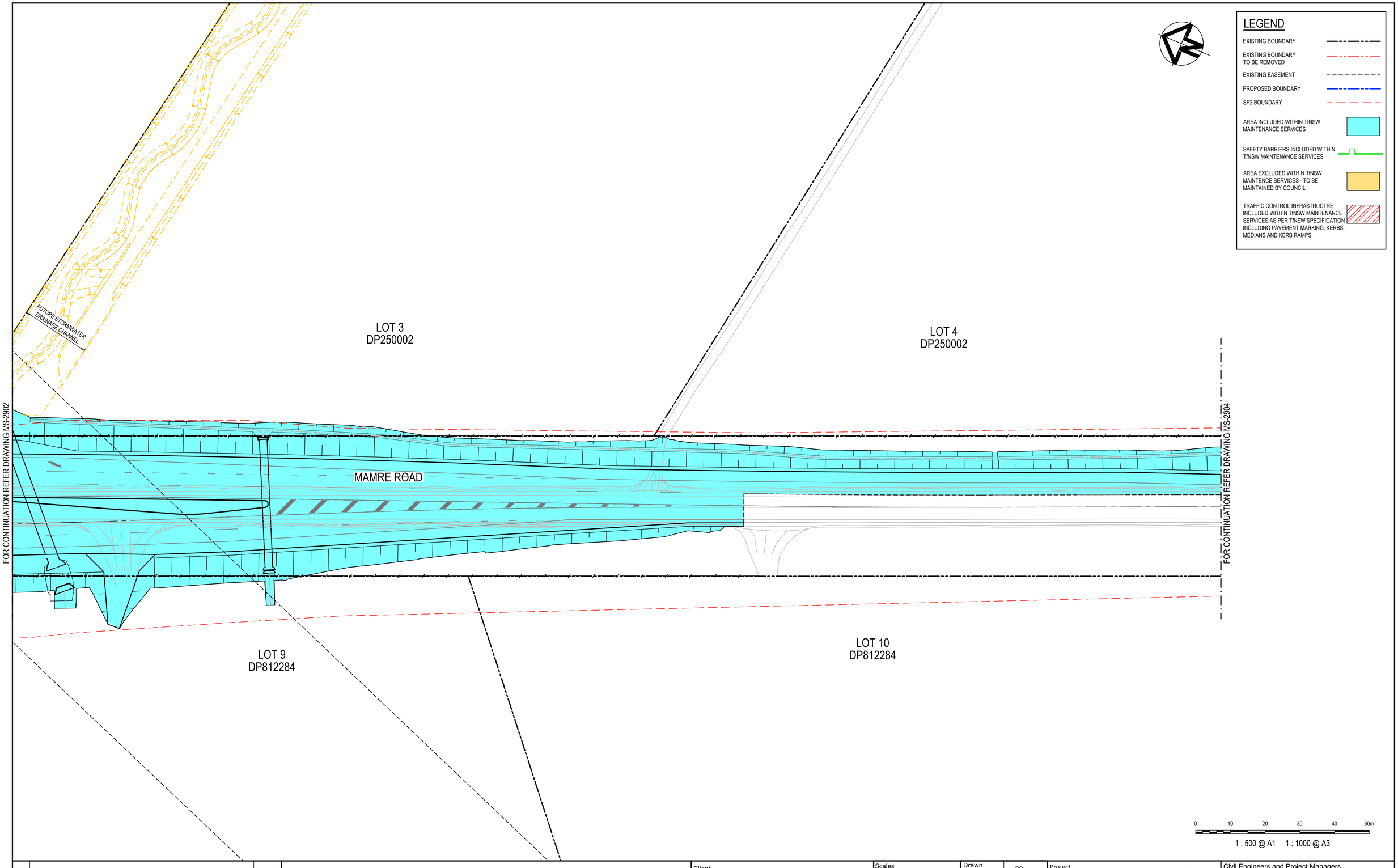
Title
MAINTENANCE PLAN SHEET 2

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION
A1

Project - Drawing No.: MS-2902
Issue: 2

Date Plotted: 13 Apr 2024 - 03:55PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-09-MS-2902.dwg



Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client: FRASERS PROPERTY, ESR, Stockland, FIFECAPITAL

Scales	1 : 500 @ A1	Drawn	GB
		Designed	GB
Grid	GDA2020	Checked	AL
Height Datum	AHD	Approved	

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title
MAINTENANCE PLAN SHEET 3

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

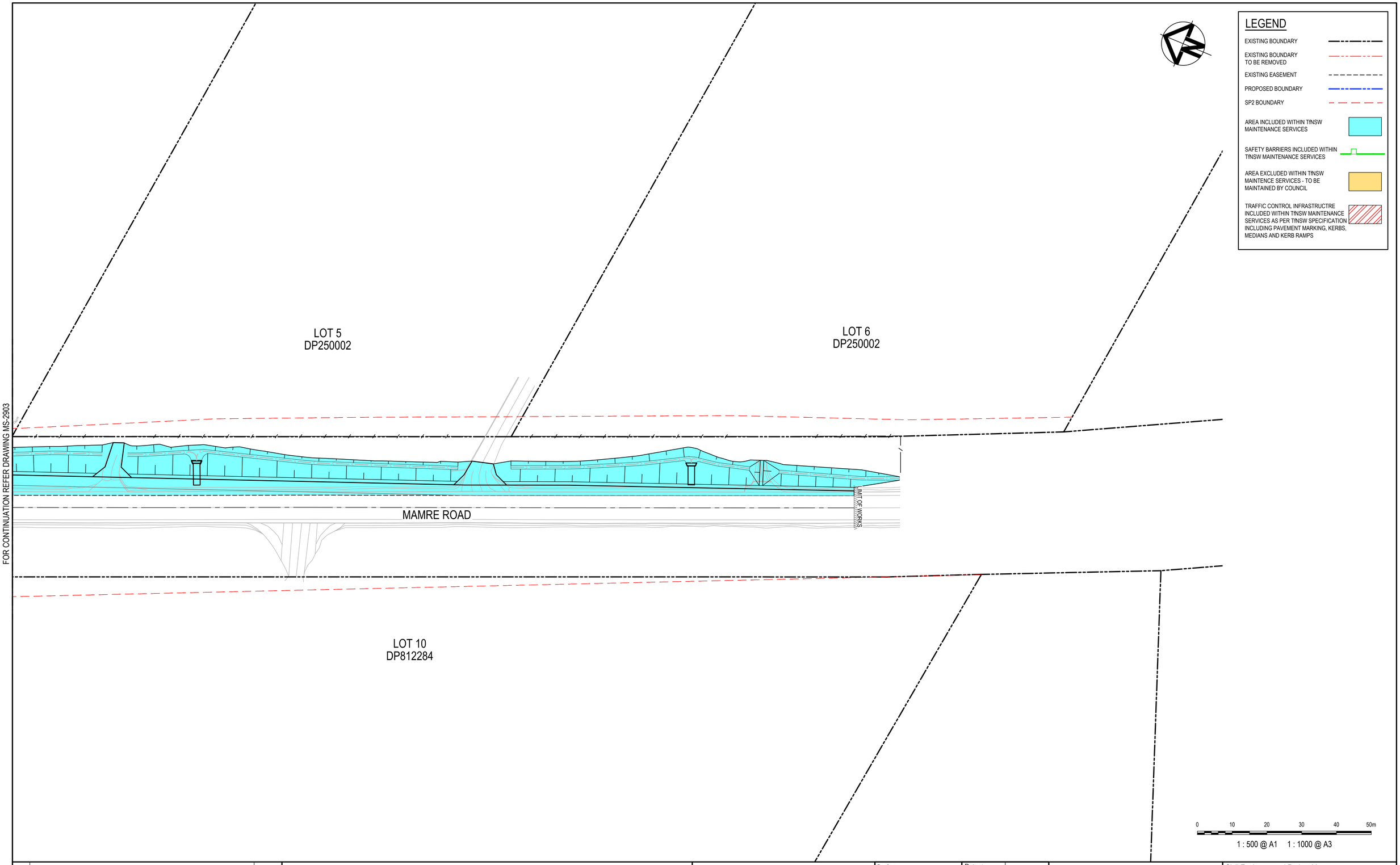
Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: MS-2903

Issue: 2

Date Plotted: 13 Apr 2024 - 03:56PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-09-MS-2903.dwg



Issue	Description	Date
2	ISSUED FOR 100% DESIGN	15-04-24
1	ISSUED FOR 80% DESIGN	03-11-23

100mm on Original

Client

FRASERS PROPERTY · ESR · Stockland · FIFECAPITAL

Scales: 1 : 500 @ A1

Drawn: GB
Designed: GB
Checked: AL
Approved:

Grid: GDA2020
Height Datum: AHD

TfNSW REGISTRATION No.
DS2023/001186

Project
MR536 MAMRE ROAD & ABBOTTS ROAD PROPOSED SIGNALISED INTERSECTION

Title
MAINTENANCE PLAN SHEET 4

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9923 1055
www.atl.net.au
info@atl.net.au

Status: FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Project - Drawing No.: MS-2904

Issue: 2

Date Plotted: 13 Apr 2024 - 03:56PM File Name: F:\21-843 Aldington Road Design\6.0 Drgs\Civil\Final\2000_Mamre Rd Abbotts Rd Intersection Design\21-843-09-MS-2904.dwg