

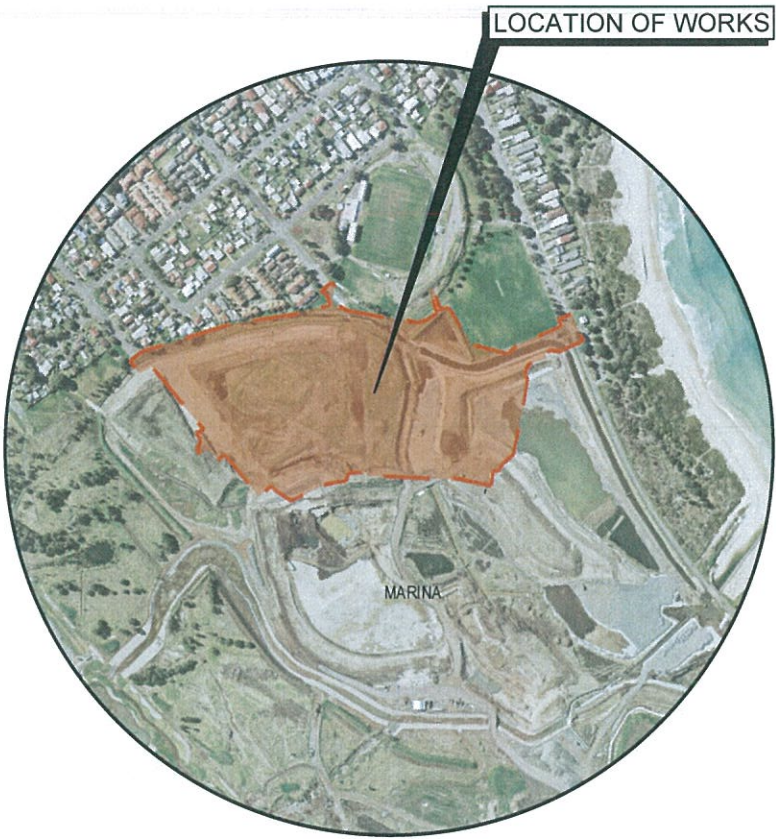
SHELL COVE - PRECINCTS F AND G AND WETLAND 08

PRECINCT INFRASTRUCTURE - CIVIL WORKS DA DESIGN
SHELLHARBOUR CITY COUNCIL

DRAWING LIST	
GENERAL	
C-FG-001	COVER SHEET AND DRAWING LIST
C-FG-002	GENERAL NOTES
C-FG-003	SITE PLAN
C-FG-004	LOT LAYOUT PLAN
C-FG-005	GENERAL ARRANGEMENT PLAN
C-FG-006	TYPICAL ROAD CROSS SECTIONS
C-FG-007	TYPICAL DETAILS
SITE PREPARATION	
C-FG-101	EROSION AND SEDIMENT CONTROL PLAN SHEET 1
C-FG-102	EROSION AND SEDIMENT CONTROL PLAN SHEET 2
C-FG-111	EROSION AND SEDIMENT CONTROL DETAILS
CUT AND FILL	
C-FG-200	ACID SULFATE SOIL MANAGEMENT PLAN
C-FG-202	PROPOSED DEVELOPMENT BULK EARTHWORKS CUT & FILL PLAN
C-FG-203	EARTHWORKS SECTIONS SHEET 1
CIVIL WORKS	
C-FG-301	CIVIL WORKS AND STORMWATER DRAINAGE PLANS SHEET 1
C-FG-302	CIVIL WORKS AND STORMWATER DRAINAGE PLANS SHEET 2
C-FG-303	CIVIL WORKS AND STORMWATER DRAINAGE PLANS SHEET 3
C-FG-304	CIVIL WORKS AND STORMWATER DRAINAGE PLANS SHEET 4
C-FG-305	CIVIL WORKS AND STORMWATER DRAINAGE PLANS SHEET 5
C-FG-306	CIVIL WORKS AND STORMWATER DRAINAGE PLANS SHEET 6
C-FG-307	CIVIL WORKS AND STORMWATER DRAINAGE PLANS SHEET 7
C-FG-308	CIVIL WORKS AND STORMWATER DRAINAGE PLANS SHEET 8
C-FG-309	CIVIL WORKS AND STORMWATER DRAINAGE PLANS SHEET 9
C-FG-310	CIVIL WORKS AND STORMWATER DRAINAGE PLANS SHEET 10
C-FG-321	ROAD LONGITUDINAL SECTIONS SHEET 1
C-FG-322	ROAD LONGITUDINAL SECTIONS SHEET 2
C-FG-323	ROAD LONGITUDINAL SECTIONS SHEET 3
C-FG-324	ROAD LONGITUDINAL SECTIONS SHEET 4

TURNING PATHS AND SIGHT DISTANCE	
C-FG-411	TURNING PATHS LAYOUT PLAN
C-FG-412	TURNING PATHS SHEET 1
C-FG-413	TURNING PATHS SHEET 2
C-FG-414	TURNING PATHS SHEET 3
C-FG-415	TURNING PATHS SHEET 4
C-FG-416	TURNING PATHS SHEET 5
C-FG-417	TURNING PATHS SHEET 6
C-FG-418	TURNING PATHS SHEET 7
C-FG-419	TURNING PATHS SHEET 8
C-FG-420	TURNING PATHS SHEET 9
C-FG-421	TURNING PATHS SHEET 10
C-FG-422	TURNING PATHS SHEET 11
C-FG-423	TURNING PATHS SHEET 12
C-FG-424	TURNING PATHS SHEET 13
C-FG-425	TURNING PATHS SHEET 14
C-FG-426	TURNING PATHS SHEET 15
C-FG-427	TURNING PATHS SHEET 16
C-FG-428	TURNING PATHS SHEET 17
C-FG-431	SIGHT DISTANCE LAYOUT PLAN
C-FG-432	SIGHT DISTANCE PLANS SHEET 1
C-FG-433	SIGHT DISTANCE PLANS SHEET 2
C-FG-434	SIGHT DISTANCE PLANS SHEET 3
C-FG-435	SIGHT DISTANCE PLANS SHEET 4
C-FG-436	SIGHT DISTANCE PLANS SHEET 5
C-FG-437	SIGHT DISTANCE PLANS SHEET 6
C-FG-438	SIGHT DISTANCE PLANS SHEET 7
C-FG-439	SIGHT DISTANCE PLANS SHEET 8
C-FG-440	SIGHT DISTANCE PLANS SHEET 9
C-FG-441	SIGHT DISTANCE PLANS SHEET 10
C-FG-442	SIGHT DISTANCE PLANS SHEET 11
C-FG-443	SIGHT DISTANCE PLANS SHEET 12
C-FG-444	SIGHT DISTANCE PLANS SHEET 13
C-FG-445	SIGHT DISTANCE PLANS SHEET 14
C-FG-451	GARBAGE COLLECTION PLAN

STORMWATER DRAINAGE	
C-FG-501	STORMWATER DRAINAGE CATCHMENT PLAN
C-FG-581	OVERLAND FLOW CHANNELS LONGITUDINAL SECTION SHEET 1
C-FG-582	OVERLAND FLOW CHANNELS LONGITUDINAL SECTION SHEET 2
C-FG-591	OVERLAND FLOW CHANNELS SECTIONS AND DETAILS SHEET 1
C-FG-592	OVERLAND FLOW CHANNELS SECTIONS AND DETAILS SHEET 2
C-FG-593	OVERLAND FLOW CHANNELS SECTIONS AND DETAILS SHEET 3
SERVICES	
C-FG-600	COMBINED SERVICES LAYOUT PLAN
C-FG-601	COMBINED SERVICES PLAN SHEET 1
C-FG-602	COMBINED SERVICES PLAN SHEET 2
C-FG-603	COMBINED SERVICES PLAN SHEET 3
C-FG-604	COMBINED SERVICES PLAN SHEET 4
C-FG-605	COMBINED SERVICES PLAN SHEET 5
C-FG-606	COMBINED SERVICES PLAN SHEET 6



LOCALITY PLAN
N.T.S.

nearmap MAKERY EXTRACTED FROM nearmap.ans

DISCLAIMER

THIS MAP HAS BEEN PREPARED USING nearmap MAKERY. THIS DATA IS NOT GUARANTEED TO BE FREE FROM ERROR OR OMISSION. THEREFORE, NEARMAP AND ITS EMPLOYEES DO NOT ACCEPT LIABILITY FOR ANY ACTS OR OMISSIONS MADE ON THE INFORMATION CONTAINED IN THIS DATA AND ANY CONSEQUENCES OF SUCH ACTS OR OMISSIONS. THIS DRAWING IS PROVIDED FOR THE INFORMATION OF THE PERSON OR ORGANISATION TO WHOM IT IS PROVIDED. IT MAY NOT BE PROVIDED TO, OR USED BY, ANY OTHER PERSON WITHOUT WRITTEN CONSENT.

Issue	Description	Date
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018



Status PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales N.T.S.	Current Issue Signatures
Original Size A1	Drawn M McDONALD
Height Datum AHD	Designed G EVERETT
Grid MGA	Checked
	Approved
Filename: C-fg-001-10006310-nsd-CoverSheetAndDrawingList.dwg	

Project SHELL COVE PRECINCT F AND G AND WETLAND 08	Title COVER SHEET AND DRAWING LIST
---	--

ARCADIS	
Arcadis Australia Pacific Pty Limited Level 16, 580 George Street SYDNEY NSW 2000 ABN 76 104 485 289 Tel No: +61 2 8907 9000 Fax No: +61 2 8907 9001 arcadis.com	
Drawing No. C-FG-001	Project No. 10006310
Issue 02	

GENERAL

1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE SHELL HARBOUR COUNCIL SUBDIVISION CODE, AND SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED.
2. ANY DISCREPANCIES OR OMISSIONS SHALL BE REFERRED TO THE SUPERINTENDENT FOR A DECISION BEFORE PROCEEDING WITH THE WORK.
3. ALL WORKMANSHIP AND MATERIALS SHALL COMPLY WITH THE BUILDING CODE OF AUSTRALIA AS AMENDED AND THE APPROPRIATE AND CURRENT AUSTRALIAN STANDARDS.
4. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
5. DIMENSIONS SHALL NOT BE OBTAINED BY SCALING THE DRAWINGS.
6. ALL DIMENSIONS SHOWN ON THE DRAWINGS SHALL BE VERIFIED ON SITE BY THE BUILDER PRIOR TO CONSTRUCTION OR ABRICATION.
7. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH SHELL HARBOUR COUNCIL DESIGN GUIDELINES AND WORKS SPECIFICATIONS. WHERE DISCREPANCIES OCCUR THE MORE STRINGENT SPECIFICATION WILL TAKE PRECEDENCE.
8. THE CONTRACTOR SHALL LOCATE AND LEVEL ALL EXISTING SERVICES PRIOR TO COMMENCING CONSTRUCTION AND SHALL MAKE ALL NECESSARY ARRANGEMENTS WITH THE RELEVANT AUTHORITY TO RELOCATE OR ADJUST AS REQUIRED. ALL COSTS TO BE BORNE BY THE APPLICANT.
9. THE CONTRACTOR SHALL NOT ENTER UPON OR DO ANY WORK WITHIN ADJACENT LAND WITHOUT PRIOR WRITTEN PERMISSION OF THE LAND OWNER.
10. THE CONTRACTOR SHALL PROVIDE MINIMUM 48 HOURS NOTICE TO THE PRINCIPLE FOR ALL INSPECTIONS.
11. REFER TO CARDNO CONSULTING ENGINEERS FOR DETAILS OF THE HARBOUR BOULEVARD ROAD AND STORMWATER DESIGN.
12. REFER TO WORLEY PARSONS CONSULTING ENGINEERS FOR DETAILS OF THE PROPOSED SEA WALL STORMWATER OULET PENETRATIONS, IF REQUIRED.

STORMWATER DRAINAGE NOTES

1. STORMWATER DESIGN CRITERIA:
ROAD DRAINAGE
5 YEAR ARI MINOR STORM EVENT
20 YEAR ARI MINOR STORM EVENT (HARBOUR BOULEVARD & TRUNK DRAINAGE)
100 YEAR ARI MAJOR STORM EVENT (ALL ROADS)
INTER ALLOTMENT DRAINAGE
20 YEAR ARI STORM EVENT U N O
2. ALL STORMWATER DRAINAGE INFRASTRUCTURE TO BE CONSTRUCTED IN ACCORDANCE WITH RELEVANT SHELL HARBOUR CITY COUNCIL SPECIFICATIONS: C220- STORMWATER DRAINAGE, C221 - PIPE DRAINAGE, C222 - PRECAST BOX CULVERTS, C223 - DRAINAGE STRUCTURES, C230 - SUBSURFACE DRAINAGE AND C231 - SUBSOIL AND FOUNDATION DRAINS.
3. REINFORCED CONCRETE CLASS '2' APPROVED SPIGOT AND SOCKET WITH RUBBER RING JOINTS. U N O
4. PIPES UP TO 300 DIA SHALL BE SEWER GRADE uPVC WITH SOLVENT WELDED JOINTS.
5. EQUIVALENT STRENGTH FRP PIPES MAY BE USED.
6. ALL STORMWATER TRENCHES SHALL BE BACKFILLED IN ACCORDANCE WITH SHELL HARBOUR CITY COUNCIL SUBDIVISION DESIGN CODES AND H33 BEDDING.
7. PIPE INSTALLATION SHALL BE IN ACCORDANCE WITH COUNCIL SPECIFICATION AND AS3725 TYPE H33 SUPPORT SHALL BE USED IN ROAD RESERVES. TYPE H32 SUPPORT SHALL BE USED ELSEWHERE U N O
8. ALL INTERNAL WORKS WITHIN PROPERTY BOUNDARIES ARE TO COMPLY WITH THE REQUIREMENTS OF AS 3500 3.1 (1998) AND AS/NZS 3500 3.2 (1998).
9. PRECAST PITS MAY BE USED EXTERNAL TO THE BUILDING SUBJECT TO APPROVAL BY ARCADIS CONSULTING.
10. ENLARGERS, CONNECTIONS AND JUNCTIONS TO BE PREFABRICATED FITTINGS WHERE PIPES ARE LESS THAN 300 DIA.
11. WHERE SUBSOIL DRAINS PASS UNDER FLOOR SLABS AND VEHICULAR PAVEMENTS, UNSLOTTED uPVC SEWER GRADE PIPES TO BE USED.
12. CARE IS TO BE TAKEN WITH LEVELS OF STORMWATER LINES. GRADES SHOWN ARE NOT TO BE REDUCED WITHOUT APPROVAL.
13. GRATES AND COVERS SHALL CONFORM TO AS 3996.
14. AT ALL TIMES DURING CONSTRUCTION OF STORMWATER PITS, ADEQUATE SAFETY PROCEDURES SHALL BE TAKEN TO ENSURE AGAINST THE POSSIBILITY OF PERSONNEL FALLING DOWN PITS.
15. ALL EXISTING STORMWATER DRAINAGE LINES AND PITS THAT ARE TO REMAIN ARE TO BE INSPECTED AND CLEANED. DURING THIS PROCESS ANY PART OF THE STORMWATER DRAINAGE SYSTEM THAT WARRANTS REPAIR SHALL BE REPORTED TO THE SUPERINTENDENT/ENGINEER FOR FURTHER DIRECTIONS.
16. GALVANISED STEEL STEP IRONS ARE TO BE PROVIDED IN ALL PITS DEEPER THAN 1.2m IN ACCORDANCE WITH SHELL HARBOUR CITY COUNCIL REQUIREMENTS.
17. MINIMUM PIPE SIZE WITHIN ROAD RESERVE TO BE 375mm DIAMETER.
18. MINIMUM INTERALLOTMENT DRAINAGE PIPE SIZE SHALL BE 150mm DIAMETER.
19. CCTV ALL PIPES AFTER CONSTRUCTION AND PRIOR TO PRACTICAL COMPLETION. THIS INCLUDES ALL EXISTING PIPES THAT ARE TO BE RETAINED.
20. PIPES ARE DESIGNED FOR OPERATIONAL LOADS ONLY. APPROPRIATE MEASURES SHOULD BE TAKEN TO PROTECT PIPES DURING CONSTRUCTION.
21. ALL DIRECT CONNECTIONS TO BE MINIMUM 150mm DIAMETER PVC PIPEWORK, LAID AT MINIMUM 1.0% GRADE FROM POINT OF CONNECTION.
22. ALL DIRECT CONNECTIONS TO STORMWATER IN LANEWAYS SHOULD HAVE 150mm CONCRETE SURROUND UNDER GARAGE STRUCTURES AND UP TO CONNECTION INTO STORMWATER PIPE LOCATED IN LANEWAYS.
23. METAL KERB OUTLETS TO BE PROVIDED TO ALL LOTS DRAINING TO THE STREET.
24. PREFABRICATED PITS TO COME FROM A QUALITY ASSURED SUPPLIER. CONTRACTOR TO INSPECT PITS WHEN DELIVERED TO SITE PRIOR TO INSTALLATION. ONLY THE DESIGNED KNOCKOUT AREAS TO BE USED FOR PIPE ENTRIES. ANY CRACKS IN PITS OR EVIDENCE THAT CONTRACTOR HAS EXTENDED THE KNOCKOUT AREA SHALL RENDER THE PIT UNACCEPTABLE. IT IS RECOMMENDED TO SAW CUT THE KNOCK OUT AREA WHEN CREATING THE OPENING IN THE PIT FOR THE PIPE TO MINIMISE POTENTIAL DAMAGE TO PIT.
25. CONTRACTOR TO CCTV STORMWATER DRAINAGE NO SOONER THAN AFTER BASE COURSE LAYER IS PLACED. ANY DAMAGE TO PIPES / CULVERTS MUST BE REPORTED TO THE PCA PRIOR TO UNDERTAKING ANY REPAIRS. IT IS TO BE NOTED THAT ANY DAMAGE TO PIPES / CULVERTS IDENTIFIED IN THE CCTV REPORT THAT ARE LOCATED UNDER ROADS SHALL AS A MINIMUM REQUIRE A FULL SLEEVE REPAIR FROM PIT TO PIT. CIRCUMFERENTIAL CRACKS IN OTHER LOCATIONS SHALL AS A MINIMUM REQUIRE A SLEEVE REPAIR. THE REPAIR SHALL BE DONE BY AN APPROVED CONTRACTOR. A CCTV REPORT ON ALL REPAIRS WILL BE REQUIRED BY COUNCIL.

SITEWORKS NOTES

1. ORIGIN OF LEVELS - REFER SURVEY NOTES.
2. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCIES TO BE REPORTED TO ARCADIS CONSULTING.
3. MAKE SMOOTH CONNECTION WITH EXISTING WORKS.
4. ALL TRENCH BACKFILL MATERIAL SHALL BE COMPACTED TO THE SAME DENSITY AS THE ADJACENT MATERIAL.
5. ALL SERVICE TRENCHES UNDER VEHICULAR PAVEMENTS SHALL BE BACKFILLED IN ACCORDANCE WITH SHELL HARBOUR SUBDIVISION DESIGN CODES AND H33 BEDDING.
6. ALL BASECOURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH R.T.A. FORM 3051 (UNBOUND), R.T.A. FORM 3052 (BOUND) COMPACTED TO MINIMUM 98% MODIFIED DENSITY IN ACCORDANCE WITH AS 1289 5.2.1.
7. ALL SUB-BASE COURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH R.T.A. FORM 3051, 3051.1 AND COMPACTED TO MINIMUM 95% MODIFIED DENSITY IN ACCORDANCE WITH AS 1289 5.2.1. BEFORE PLACING FILL, PROOF ROLL EXPOSED SUBGRADE WITH AN 8 TONNE (MIN) DEADWEIGHT SMOOTH DRUM NON-VIBRATORY ROLLER TO DETECT THEN REMOVE SOFT SPOTS (AREAS WITH MORE THAN 2mm MOVEMENT UNDER ROLLER). SOFT SPOTS ARE TO BE REPLACED WITH SUITABLE SELECT FILL FOR A DEPTH OF AT LEAST 0.5m OR AS ADVISED BY THE GEOTECHNICAL ENGINEER.
8. SELECT MATERIAL FOR BACKFILLING SHALL BE GRANULAR MATERIAL WHICH IS NATURALLY OCCURRING, HAVING A PARTICLE SIZE DISTRIBUTION, DETERMINED IN ACCORDANCE WITH AS 1289 3.9.1. SELECT MATERIAL CAN BE CRUSHED ROCK, NATURAL SOIL, GRAVEL AND SAND, OR OTHER APPROVED GRANULAR MATERIAL CONSISTING OF CLEAN, SOUND, DURABLE FRAGMENTS, FREE FROM ORGANIC MATTER FROM AN APPROVED SOURCE. GRADING LIMITS FOR SELECT FILL SHALL BE IN ACCORDANCE WITH AS 3725 AND SHELL HARBOUR COUNCIL SUBDIVISION DEVELOPMENT CONSTRUCTION SPECIFICATION C213. EARTHWORKS.
9. FREQUENCY OF COMPACTION TESTING SHALL BE NOT LESS THAN -
A. 1 TEST PER 200mm² OF FILL PLACED PER 200 LAYER OF FILL.
B. 3 TESTS PER LAYER.
C. 1 TEST PER 200mm² OF EXPOSED SUBGRADE.
TESTING SHALL BE "LEVEL 1" TESTING IN ACCORDANCE WITH AS 3798 (2007).
12. FILL MATERIAL SHALL BE SPREAD IN LAYERS MAXIMUM 300mm THICK AND COMPACTED TO SPECIFICATION.
13. 15. WHERE NOTED ON THE DRAWINGS THAT WORKS ARE TO BE CARRIED BY OTHERS, (eg ADJUSTMENT OF SERVICES), THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CO-ORDINATION OF THESE WORKS.

KERBING NOTES

1. ALL CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 25MPa U N O IN REINFORCED CONCRETE NOTES.
2. ALL KERBS, GUTTERS, DRAIN DRAINS AND CROSSINGS TO BE CONSTRUCTED ON 100mm GRANULAR BASECOURSE COMPACTED TO MINIMUM 95% MODIFIED DRY DENSITY (AS 1289 5.2.1).
3. EXPANSION JOINTS (E-J) TO BE FORMED FROM 10mm COMPRESSIBLE CORK FILLER BOARD FOR THE FULL DEPTH OF THE SECTION AND CUT TO PROFILE. EXPANSION JOINTS TO BE LOCATED AT DRAINAGE PITS, ON TANGENT POINTS OF CURVES AND ELSEWHERE AT MAX 12m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE EXPANSION JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLABS.
4. WEAKENED PLANE JOINTS TO BE MIN 3mm WIDE AND LOCATED AT 3m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE WEAKENED PLANE JOINTS ARE TO MATCH THE JOINT LOCATIONS IN THE SLABS.
5. BROOMED FINISH TO ALL RAMPED AND VEHICULAR CROSSINGS. ALL OTHER KERBING OR DISH DRAINS TO BE STEEL FLOAT FINISHED.
6. IN THE REPLACEMENT OF KERB AND GUTTER -
EXISTING ROAD PAVEMENT IS TO BE SAWCUT 900mm U N O FROM THE LIP OF GUTTER. UPON COMPLETION OF THE NEW KERB AND GUTTER NEW BASECOURSE AND SURFACE TO BE LAID 900mm WIDE U N O.
7. EXISTING ALL OTMENT DRAINAGE PIPES ARE TO BE BUILT INTO THE NEW KERB AND GUTTER WITH 100mm DIA HOLE.
8. EXISTING KERB AND GUTTER IS TO BE COMPLETELY REMOVED WHERE NEW KERB AND GUTTER IS SHOWN.

STREET FURNITURE

1. ALL SIGNAGE TO BE IN ACCORDANCE WITH THE CURRENT VERSION OF THE R.M.S REGULATORY SIGNS MANUAL.
2. ALL LAMP COLUMNS TO BE IN ACCORDANCE WITH SHELL HARBOUR CITY COUNCIL AND / OR ENDEAVOUR ENERGY ENERGY SPECIFICATIONS. LAMP COLUMNS TO BE PACESETTER 400G BY VERTIKOTE WITH COLOUR AS INTERPON D2015 CHARCOAL YL238A.

SURVEY NOTES

1. THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN. ARCADIS CONSULTING DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE SURVEY BASE OR ITS SUITABILITY AS A BASIS FOR CONSTRUCTION DRAWINGS.
2. SHOULD DISCREPANCIES BE ENCOUNTERED DURING CONSTRUCTION BETWEEN THE SURVEY DATA AND ACTUAL FIELD DATA, CONTACT ARCADIS CONSULTING.

LOCAL SURVEY MARKS

SSM 168839 EASTING: 304252.302
NORTHING: 6170118.179
RL: 22.837m

CONCRETE NOTES

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600 CURRENT EDITION WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS AND SHELL HARBOUR CITY COUNCIL SPECIFICATION C271 - MINOR CONCRETE WORKS. PLEASE REFER TO LANDSCAPE ARCHITECT DESIGN DOCUMENTATION FOR ALL CONCRETE ADDITIVES (COLOUR) AND AGGREGATE TYPE.
2. CONCRETE QUALITY
ALL REQUIREMENTS OF THE CURRENT ACSE CONCRETE SPECIFICATION DOCUMENT 1 SHALL APPLY TO THE FORMWORK, REINFORCEMENT AND CONCRETE UNLESS NOTED OTHERWISE.

ELEMENT	AS3600 Fc MPA AT 28 DAYS	SPECIFIED SLUMP	NOMINAL AGG. SIZE
VEHICULAR BASE	32	60	20
KERBS, PATHS AND PITS	25	80	20
DRAINAGE PITS	25	80	20

- CEMENT TYPE SHALL BE (ACSE SPECIFICATION) TYPE SL
- PROJECT CONTROL TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH AS 1379.
- 3. NO ADMIXTURES SHALL BE USED IN CONCRETE UNLESS APPROVED IN WRITING BY ARCADIS CONSULTING.
- 4. CLEAR CONCRETE COVER TO ALL REINFORCEMENT FOR DURABILITY SHALL BE 40mm TOP AND 70mm FOR EXTERNAL EDGES UNLESS NOTED OTHERWISE.
- 5. ALL REINFORCEMENT SHALL BE FIRMLY SUPPORTED ON MILD STEEL PLASTIC TIPPED CHAIRS, PLASTIC CHAIRS OR CONCRETE CHAIRS AT NOT GREATER THAN 1m CENTRES BOTH WAYS. BARS SHALL BE TIED AT ALTERNATE INTERSECTIONS.
- 6. THE FINISHED CONCRETE SHALL BE A DENSE HOMOGENEOUS MASS, COMPLETELY FILLING THE FORMWORK, THOROUGHLY EMBEDDING THE REINFORCEMENT AND FREE OF STONE POCKETS. ALL CONCRETE INCLUDING SLABS ON GROUND AND FOOTINGS SHALL BE COMPACTED AND CURED IN ACCORDANCE WITH R.T.A. SPECIFICATION R83.
- 7. REINFORCEMENT SYMBOLS
N - DENOTES GRADE 450 N BARS TO AS 4671 GRADE N
R - DENOTES 230 R HOT ROLLED PLAIN BARS TO AS 4671
SL - DENOTES HARD-DRAWN WIRE REINFORCING FABRIC TO AS 4671
NUMBER OF BARS IN GROUP BAR GRADE AND TYPE



THE FIGURE FOLLOWING THE FABRIC SYMBOL SL IS THE REFERENCE NUMBER FOR FABRIC TO AS 4671.

8. REINFORCEMENT SHOULD HAVE THE FOLLOWING MINIMUM COVER:
 - 40mm MINIMUM (AS PER SCC SPECIFICATIONS)
 - 50mm FOR CONCRETE CAST IN CONTACT WITH EARTH OR FRESH WATER
 - AS NOTED ON DESIGN DRAWINGS AND DETAILS.
9. FABRIC SHALL BE LAPPED IN ACCORDANCE WITH THE FOLLOWING DETAIL:



JOINTING NOTES

PEDESTRIAN PAVEMENT JOINTS

1. ALL PEDESTRIAN PAVEMENTS ARE TO BE JOINTED AS FOLLOWS (U N O).
2. EXPANSION JOINTS ARE TO BE LOCATED WHERE POSSIBLE AT TANGENT POINTS OF CURVES AND ELSEWHERE AT MAX. 6.0m CENTRES.
3. WEAKENED PLANE JOINTS ARE TO BE LOCATED AT A MAX. SPACING OF 1.5 x WIDTH OF THE PAVEMENT.
4. WHERE POSSIBLE JOINTS SHOULD BE LOCATED TO MATCH KERBING AND OR ADJACENT PAVEMENT JOINTS.
5. PEDESTRIAN PAVEMENT JOINT DETAIL AS PER FOOTPATH DETAIL ON DRAWING C-D-504 AND SHELL HARBOUR COUNCIL DESIGN GUIDE D09 - CYCLEWAY AND PATHWAY DESIGN.
6. CONTRACTOR IS TO REFER DRAWING C-D-504 FOR JOINT DETAILS FOR COVE BOULEVARD FOOTPATH AND PLAZA AREA.
7. ISOLATION JOINT TO BE APPLIED TO ALL FURNITURE SURROUNDS. PLEASE REFER TO LANDSCAPE ARCHITECT DESIGN FOR DETAILS.

EROSION AND SEDIMENT CONTROL NOTES

GENERAL INSTRUCTIONS

1. THE SITE SUPERINTENDENT/ENGINEER WILL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE LOCATED AS DOCUMENTED.
2. ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE
 - 2.1. WITH LOCAL AUTHORITY REQUIREMENTS
 - 2.2. EPA REQUIREMENTS
 - 2.3. NSW DEPARTMENT OF HOUSING MANUAL "MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION", 4th EDITION, MARCH 2004.
3. MAINTAIN THE EROSION CONTROL DEVICES TO THE SATISFACTION OF THE SUPERINTENDENT AND THE LOCAL AUTHORITY.
4. WHEN STORMWATER PITS ARE CONSTRUCTED, PREVENT SITE RUNOFF ENTERING UNLESS SEDIMENT FENCES ARE ERECTED AROUND PITS OR THE STORMWATER OUTLET PITS AND PIPES HAVE BEEN CONSTRUCTED, WHICH DIRECT FLOWS TO THE BOAT HARBOUR SEDIMENT CONTROL DEVICE.
5. CONTRACTOR IS TO ENSURE ALL EROSION & SEDIMENT CONTROL DEVICES ARE MAINTAINED IN GOOD WORKING ORDER AND OPERATE EFFECTIVELY. REPAIRS AND OR MAINTENANCE SHALL BE UNDERTAKEN AS REQUIRED, PARTICULARLY FOLLOWING STORM EVENTS.

LAND DISTURBANCE

6. WHERE PRACTICAL, THE SOIL EROSION HAZARD ON THE SITE WILL BE KEPT AS LOW AS POSSIBLE.

EROSION CONTROL

7. DURING WINDY WEATHER, LARGE, UNPROTECTED AREAS WILL BE KEPT MOIST (NOT WET) BY SPRINKLING WITH WATER TO KEEP DUST UNDER CONTROL.
8. SITE STABILISATION BY APPLICATION OF SEEDED HYDROMULCH WILL BE UNDERTAKEN AS SOON AS POSSIBLE AND WITHIN 20 WORKING DAYS FROM COMPLETION OF CONSTRUCTION ACTIVITIES.

SEDIMENT CONTROL

9. STOCKPILES WILL NOT BE LOCATED WITHIN 2 METRES OF HAZARD AREAS, INCLUDING LIKELY AREAS OF CONCENTRATED OR HIGH VELOCITY FLOWS SUCH AS WATERWAYS. WHERE THEY ARE BETWEEN 2 AND 5 METRES FROM SUCH AREAS, SPECIAL SEDIMENT CONTROL MEASURES SHOULD BE TAKEN TO MINIMISE POSSIBLE POLLUTION TO DOWNSLOPE WATERS, E.G. THROUGH INSTALLATION OF SEDIMENT FENCING.
10. WATER WILL BE PREVENTED FROM ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS IT IS RELATIVELY SEDIMENT FREE, I.E. THE CATCHMENT AREA HAS BEEN PERMANENTLY LANDSCAPED AND/OR ANY LIKELY SEDIMENT HAS BEEN FILTERED THROUGH AN APPROVED STRUCTURE.
11. TEMPORARY SOIL AND WATER MANAGEMENT STRUCTURES WILL BE REMOVED ONLY AFTER THE LANDS THEY ARE PROTECTING ARE REHABILITATED.

OTHER MATTERS

12. ACCEPTABLE RECEPTORS WILL BE PROVIDED FOR CONCRETE AND MORTAR SURRIES, PAINTS, ACID WASHINGS, LIGHT-WEIGHT WASTE MATERIALS AND LITTER.
13. ALL TREES WITHIN THE EXTENT OF PROPOSED WORKS ARE TO BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.

TELSTRA - DUTY OF CARE NOTE

1. TELSTRA'S PLANS SHOW ONLY THE PRESENCE OF CABLES AND PLANT. THEY ONLY SHOW THEIR POSITION RELATIVE TO ROAD BOUNDARIES, PROPERTY FENCES ETC. AT THE TIME OF INSTALLATION AND TELSTRA DOES NOT WARRANT OR HOLD OUT THAT SUCH PLANS ARE ACCURATE THEREAFTER DUE TO CHANGES THAT MAY OCCUR OVER TIME. DO NOT ASSUME DEPTH OR ALIGNMENT OF CABLES OR PLANT AS THESE VARY SIGNIFICANTLY.
2. THE CONTRACTOR HAS A DUTY OF CARE WHEN EXCAVATING NEAR TELSTRA CABLES AND PLANT. BEFORE USING MACHINE EXCAVATORS TELSTRA PLANT MUST FIRST BE PHYSICALLY EXPOSED BY SOFT DIG POTHOILING TO IDENTIFY ITS LOCATION. TELSTRA WILL SEEK COMPENSATION FOR DAMAGES CAUSED TO ITS PROPERTY AND LOSSES CAUSED TO TELSTRA AND ITS CUSTOMERS.

EXISTING UNDERGROUND SERVICES NOTES

1. THE LOCATIONS OF UNDERGROUND SERVICES SHOWN IN THIS SET OF DRAWINGS HAVE BEEN PLOTTED FROM SURVEY INFORMATION AND SERVICE AUTHORITY INFORMATION. THE SERVICE INFORMATION HAS BEEN PREPARED ONLY TO SHOW THE APPROXIMATE POSITIONS OF ANY KNOWN SERVICES AND MAY NOT BE AS CONSTRUCTED OR ACCURATE.
ARCADIS CONSULTING CAN NOT GUARANTEE THAT THE SERVICES INFORMATION SHOWN ON THESE DRAWINGS ACCURATELY INDICATES THE PRESENCE OR ABSENCE OF SERVICES OR THEIR LOCATION AND WILL ACCEPT NO LIABILITY FOR INACCURACIES IN THE SERVICES INFORMATION SHOWN FROM ANY CAUSE WHATSOEVER.
2. CONTRACTORS SHALL TAKE DUE CARE WHEN EXCAVATING ONSITE INCLUDING HAND EXCAVATION WHERE NECESSARY.
3. CONTRACTORS ARE TO CONTACT THE RELEVANT SERVICE AUTHORITY PRIOR TO COMMENCEMENT OF EXCAVATION WORKS.
4. CONTRACTORS ARE TO UNDERTAKE A SERVICES SEARCH PRIOR TO COMMENCEMENT OF WORKS ON SITE. SEARCH RESULTS ARE TO BE KEPT ON SITE AT ALL TIMES.

PROPOSED SERVICES NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH SERVICE AUTHORITY DRAWINGS AND SPECIFICATIONS.
2. THE CONTRACTOR SHALL ATTEND, MANAGE & SUPERVISE THE PROVISION OF PUBLIC UTILITY SERVICES TO THE WORKS GENERALLY AS INDICATED ON THE SERVICES PLANS, NOTING THAT PRIOR & DURING CONSTRUCTION THE PUBLIC UTILITY AUTHORITIES WILL FINALISE THEIR DOCUMENTATION TO CONSTRUCTION ISSUE STANDARD. THE FOLLOWING GENERAL ARRANGEMENTS SHALL APPLY IN RESPECT OF EACH PUBLIC UTILITY SERVICE.

CONDUIT ROAD CROSSING

- THE CIVIL CONTRACTOR SHALL ALLOW IN THEIR PRICE FOR CONDUIT CROSSINGS UNDER THE PROPOSED ROADS AS SHOWN ON THE "SERVICES PLAN".
3. THE CIVIL CONTRACTOR (TRENCH PROVIDER) IS TO ARRANGE ON SITE MEETING WITH ALL SERVICE AUTHORITIES PRIOR TO THE INSTALLATION OF CONDUITS.
4. THE CIVIL CONTRACTOR TO CO-ORDINATE INSTALLATION OF ELECTRICITY, GAS AND TELECOMMUNICATION SERVICES.
5. ELECTRICITY, GAS AND TELECOMMUNICATION SERVICES ARE TO BE LAID FOLLOWING THE INSTALLATION OF STORMWATER, SEWER AND WATER SERVICES AND KERB AND GUTTER.
6. ALL UTILITY AUTHORITY REPRESENTATIVES TO INSPECT ROAD CROSSINGS PRIOR TO SEALING.
7. ALL ELECTRICAL ROAD CROSSINGS TO BE CLASS 6 (ORANGE) uPVC CONDUITS.
8. ALL GAS ROAD CROSSINGS TO BE uPVC GREY SEWER GRADE CONDUITS.
9. ALL STREET POLES TO BE POSITIONED 350mm FROM BOUNDARY TO CENTRELINE OF POLE.
10. WHERE FOOTPATHS ARE TO BE CONSTRUCTED, ALL SERVICE PIT COVERS AND MARKERS ARE TO BE LAID WHOLLY WITHIN OR WHOLLY OUTSIDE THE CONCRETE FOOTPATH. CONTACT SUPERINTENDENT SHOULD DIFFICULTIES ARISE.
11. ELECTRICITY CONDUITS ARE SHOWN FOR CLARITY HOWEVER, CABLES MAY BE DIRECTLY BURIED. APPROVAL BY ENDEAVOUR ENERGY REQUIRED.
12. SERVICES MARKERS ARE TO BE PLACED ON THE KERB & GUTTER AT ALL ROAD CROSSING POINTS, ON BOTH SIDES OF THE ROAD.
13. ALL SERVICE PIT COVERS TO BE INSTALLED FLUSH WITH PROPOSED VERGE LEVELS AND GRADES.

BULK EARTHWORKS NOTES

1. ORIGIN OF LEVELS - REFER SURVEY NOTES.
2. STRIP ALL TOPSOIL/ORGANIC MATERIAL (150mm NOMINAL) FROM CONSTRUCTION AREA AND REMOVE FROM SITE OR STOCK PILE AS DIRECTED BY SUPERINTENDENT.
3. EXCAVATED MATERIAL TO BE USED AS STRUCTURAL FILL PROVIDED THE PLACEMENT MOISTURE CONTENT OF THE MATERIAL IS +/- 2% OF THE OPTIMUM MOISTURE CONTENT.
4. COMPACT FILL AREAS AND SUBGRADE TO NOT LESS THAN:

LOCATION	MINIMUM DRY DENSITY (AS 1289 E 5.1.1)
UNDER BUILDING SLABS ON GROUND	95-98% STD
UNDER ROADS, FOOTWAYS AND CARPARKS	100% STD
LANDSCAPED AREAS UNLESS NOTED OTHERWISE	95% STD
5. BEFORE PLACING FILL, PROOF ROLL EXPOSED SUBGRADE WITH A 12 TONNE (MIN) DEADWEIGHT SMOOTH DRUM NON VIBRATORY ROLLER TO DETECT THEN REMOVE SOFT SPOTS (AREAS WITH MORE THAN 2mm MOVEMENT UNDER ROLLER).
6. TESTING SHALL BE "LEVEL 1" TESTING IN ACCORDANCE WITH THE CURRENT AS 3798.
7. FILLING TO BE PLACED AND COMPACTED IN MAXIMUM LAYERS 200mm.
8. NO FILLING SHALL TAKE PLACE TO EXPOSED SUBGRADE UNTIL THE AREA HAS BEEN PROOF ROLLED IN THE PRESENCE OF THE GEOTECHNICAL ENGINEER AND APPROVAL GIVEN IN WRITING THAT FILLING CAN PROCEED.
9. WHERE GROUNDWATER DISCHARGE OCCURS IN BULK EXCAVATIONS OR CUT FACES, SUBSOIL DRAINAGE SHALL BE INSTALLED IN ACCORDANCE WITH THE SUPERINTENDENT / GEOTECH INSTRUCTIONS TO DIRECT DISCHARGE WATER TO THE NEAREST STORMWATER / SEDIMENTATION CONTROL DEVICE. THE SUBSOIL DRAINAGE MUST BE INSTALLED AS SOON AS PRACTICALLY POSSIBLE AFTER EXCAVATION. SUBSOIL DRAINAGE SHALL ALSO BE INSTALLED AT LOW POINTS IN THE FINISHED EARTHWORK PROFILE IN ACCORDANCE WITH THE SUPERINTENDENT / GEOTECH'S INSTRUCTIONS.
10. ENSURE TEMPORARY DIVERSION CHANNELS ARE CONSTRUCTED AROUND STOCKPILED MATERIALS AND DISTURBED AREAS GENERALLY AS DETAILED.
11. THE CONTRACTOR SHALL ALLOW FOR AND COORDINATE ALL MONITORING AND MAINTENANCE REQUIREMENTS IN RELATION TO SOIL AND GROUNDWATER CONDITIONS DURING CONSTRUCTION.
12. WORKS TO BE IN ACCORDANCE WITH ALL GEOTECHNICAL REPORTS.

02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018
Issue	Description	Date

100mm on Original

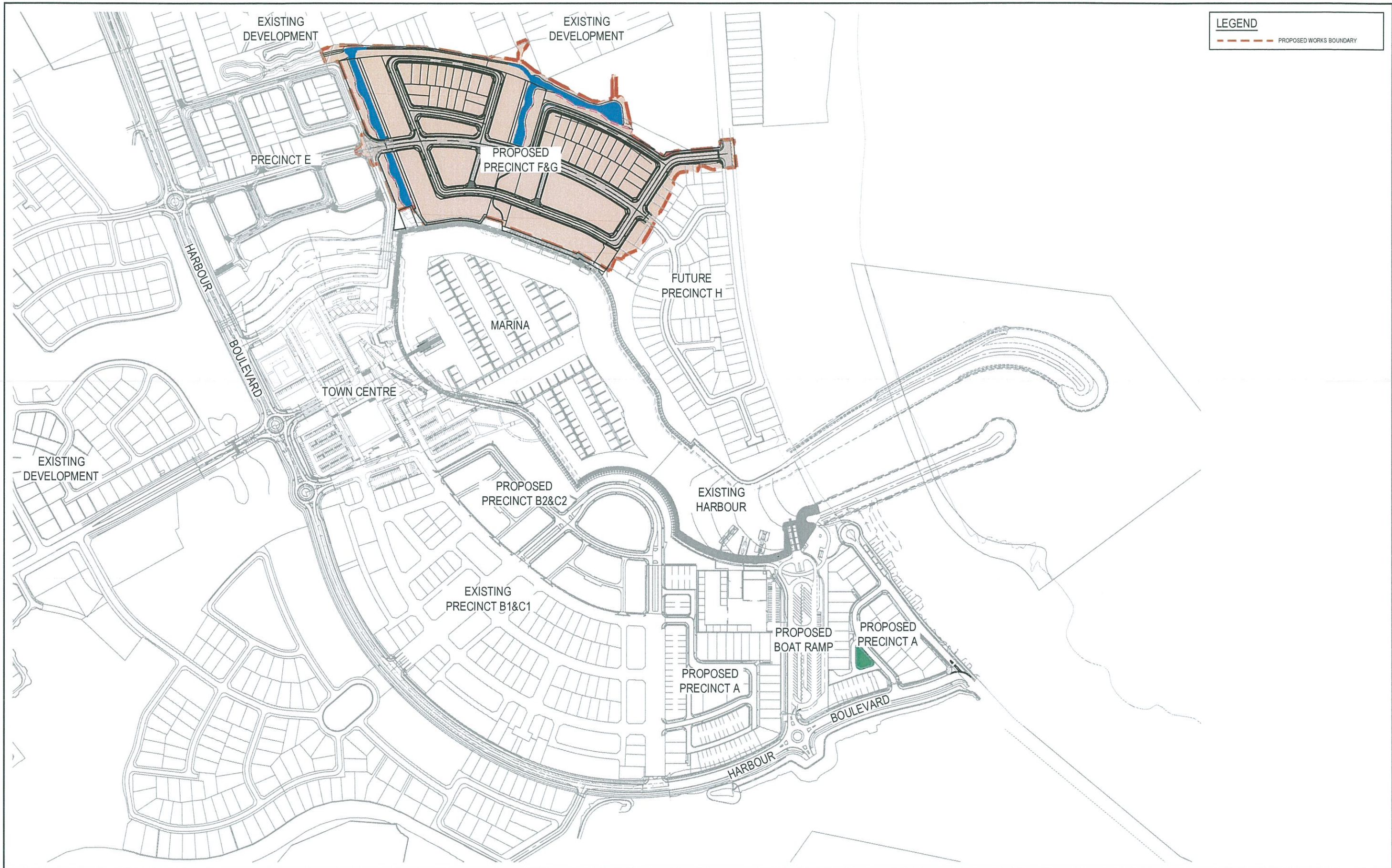


Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	N.T.S	Current Issue Signatures
		Drawn M McDONALD
Original Size	A1	Designed G EVERETT
Height Datum	AHD	Checked
Grid	MGA	Approved
File name:	C:\g-002-10006310-rsd-General\Notes.dwg	

Project	SHELL COVE PRECINCT F AND G AND WETLAND 08
Title	GENERAL NOTES

Arcadis Australia Pacific Pty Limited Level 16, 580 George Street SYDNEY NSW 2000 ABN 76 104 485 289 Tel No: +61 2 8907 9000 Fax No: +61 2 8907 9001 arcadis.com		
Drawing No.	Project No.	Issue
C-FG-002	10006310	02

Date Plotted: 13 Jun 2018 - 09:21AM File Name: F:\0006310\ARCADIS-Civil\0-Final\rc-Precinct F And G\c-fg-002-10006310-rsd-General\Notes.dwg V1



LEGEND

PROPOSED WORKS BOUNDARY

02	FINAL ISSUE	13/05/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018
Issue	Description	Date




Client



FRASERS
PROPERTY

Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1 : 2500	Current Issue Signatures
Original Size	A1	Drawn M McDONALD
Height Datum	AHD	Designed G EVERETT
Grid	MGA	Checked
Filename:	C-fg-003-10006310-nsd-SitePlan.dwg	Approved

Project	SHELL COVE PRECINCT F AND G AND WETLAND 08
Title	SITE PLAN



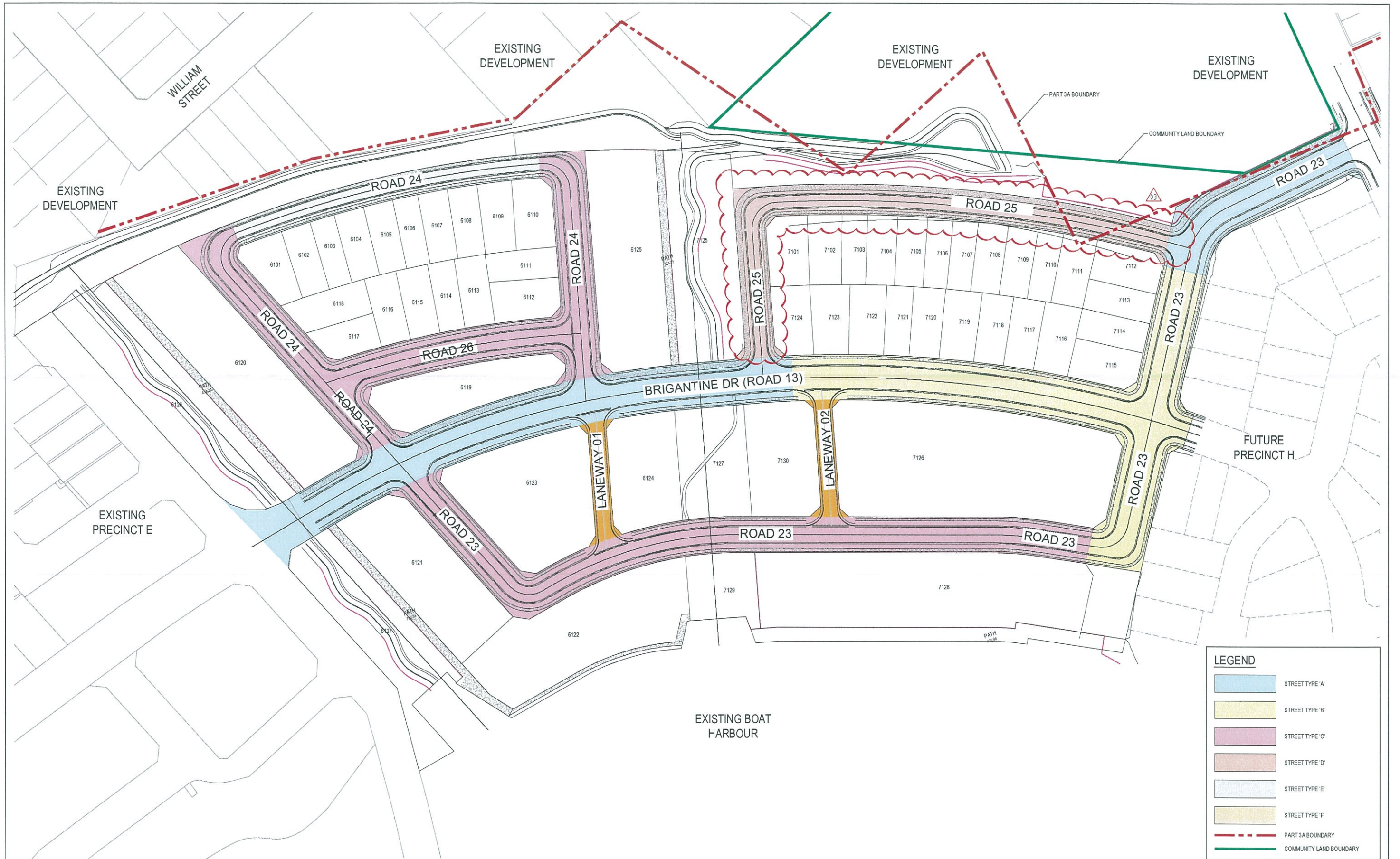
Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No.

Project No.

Issue

C-FG-003 — 10006310 — 02



LEGEND	
	STREET TYPE 'A'
	STREET TYPE 'B'
	STREET TYPE 'C'
	STREET TYPE 'D'
	STREET TYPE 'E'
	STREET TYPE 'F'
	PART 3A BOUNDARY
	COMMUNITY LAND BOUNDARY

Issue	Description	Date
03	ADDRESS COUNCIL'S COMMENTS	7/02/2019
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018

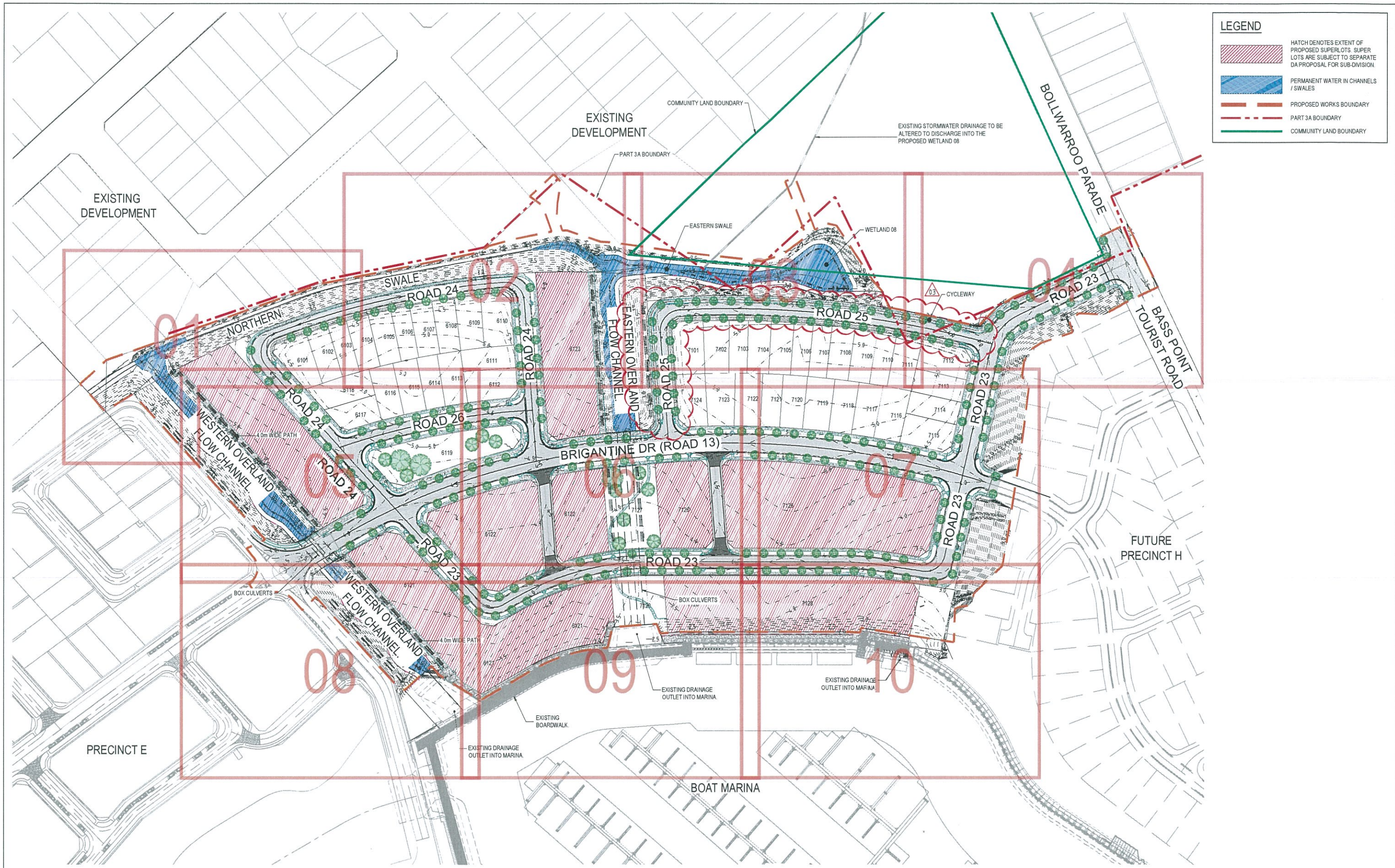


Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1:1000	Current Issue Signatures
Original Size	A1	Drawn M McDONALD
Height Datum	AHD	Designed G EBERETT
Grid	MGA	Checked
File name:	C:\g-004-10006310-nsd-LotLayoutPlan.dwg	

Project	SHELL COVE PRECINCT F AND G AND WETLAND 08
Title	LOT LAYOUT PLAN

ARCADIS
Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No. C-FG-004 — Project No. 10006310 — Issue 03



LEGEND

- HATCH DENOTES EXTENT OF PROPOSED SUPERLOTS. SUPER LOTS ARE SUBJECT TO SEPARATE DA PROPOSAL FOR SUB-DIVISION.
- PERMANENT WATER IN CHANNELS / SWALES
- PROPOSED WORKS BOUNDARY
- PART 3A BOUNDARY
- COMMUNITY LAND BOUNDARY

Issue	Description	Date
03	ADDRESS COUNCIL'S COMMENTS	7/02/2019
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018



Client

FRASERS
PROPERTY

Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1: 1000	Current Issue Signatures
Original Size	A1	Drawn M McDONALD
Height		Designed G EVERETT
Datum		Checked
Grid		Approved
Filename:	C:\g-005-10006310-nad-GeneralArrangementPlan.dwg	

Project

SHELL COVE
PRECINCT F AND G
AND WETLAND 08

Title

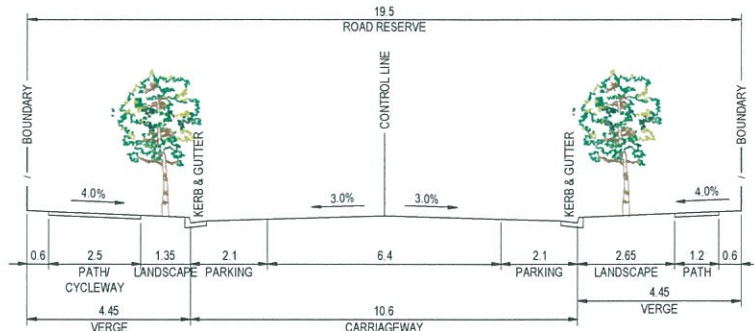
GENERAL ARRANGEMENT
PLAN

Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No. Project No. Issue
C-FG-005 - 10006310 - 03

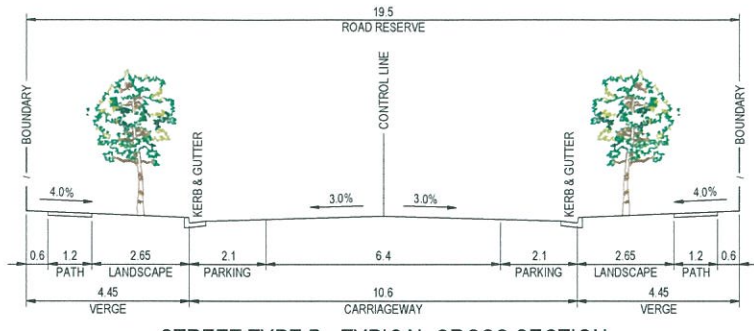
NOTES

1. REFER TO DRAWING No C-FG-004 FOR STREET TYPE LOCATIONS.



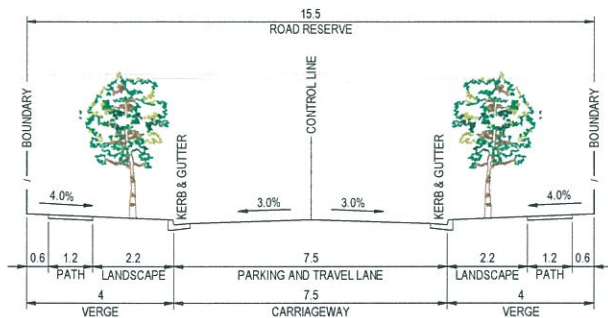
STREET TYPE A - TYPICAL CROSS SECTION

1:100
MAJOR CONNECTING STREETS



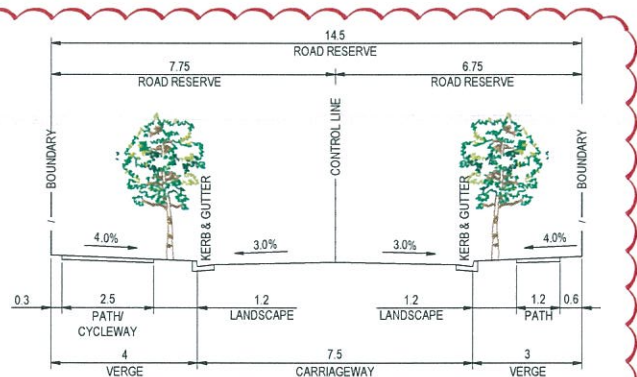
STREET TYPE B - TYPICAL CROSS SECTION

1:100
MAJOR CONNECTING STREETS



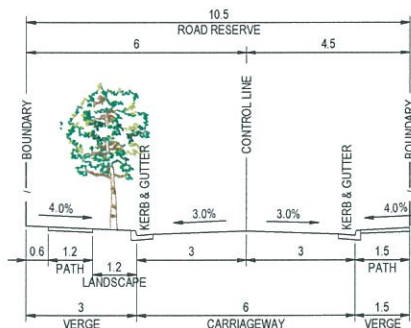
STREET TYPE C - TYPICAL CROSS SECTION

1:100
LOCAL STREETS



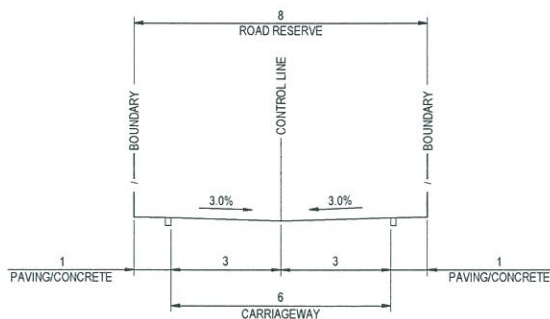
STREET TYPE D - TYPICAL CROSS SECTION

1:100
LOCAL STREETS



STREET TYPE E - TYPICAL CROSS SECTION

1:100
LOCAL STREETS



STREET TYPE F - TYPICAL CROSS SECTION

1:100
LANEWAYS



Issue	Description	Date
03	ADDRESS COUNCIL'S COMMENTS	7/02/2019
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018



Client



Status

PRELIMINARY ONLY
NOT TO BE USED FOR CONSTRUCTION

Scales

1:100

Original Size

A1

Height Datum

Grid

File name:

C:\g-006-10006310-rsd-TypicalRoadCrossSections.dwg

Project

SHELL COVE
PRECINCT F AND G
AND WETLAND 08

Title

TYPICAL ROAD
CROSS SECTIONS

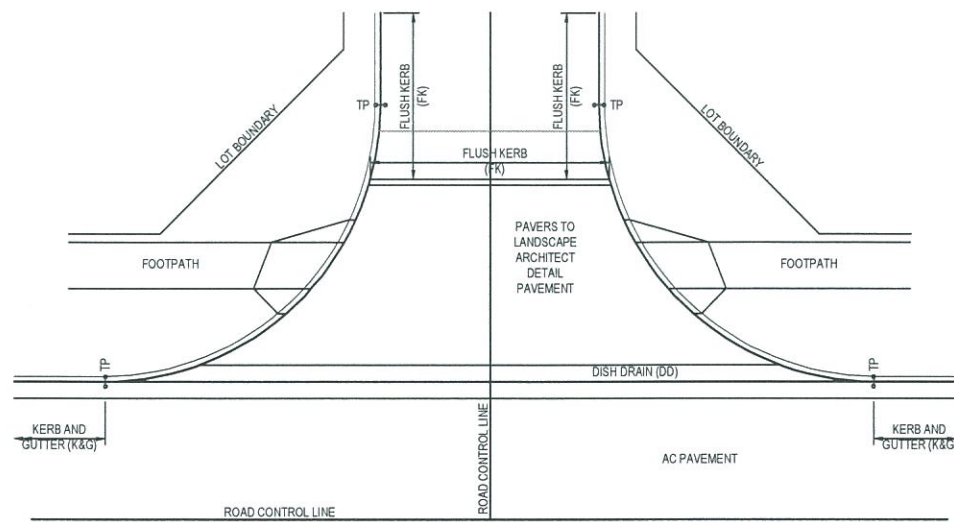


Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289

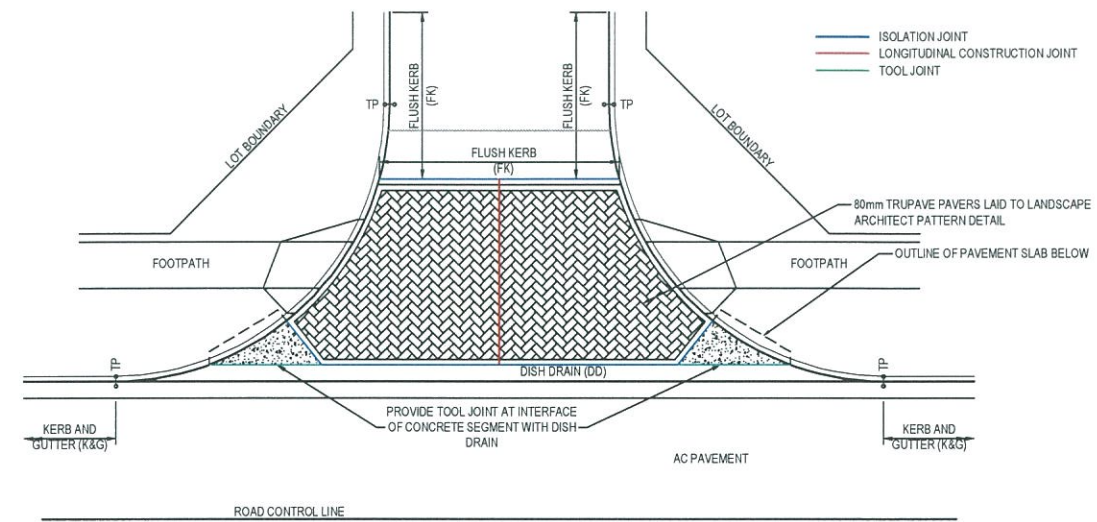
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No. C-FG-006 Project No. 10006310 Issue 03

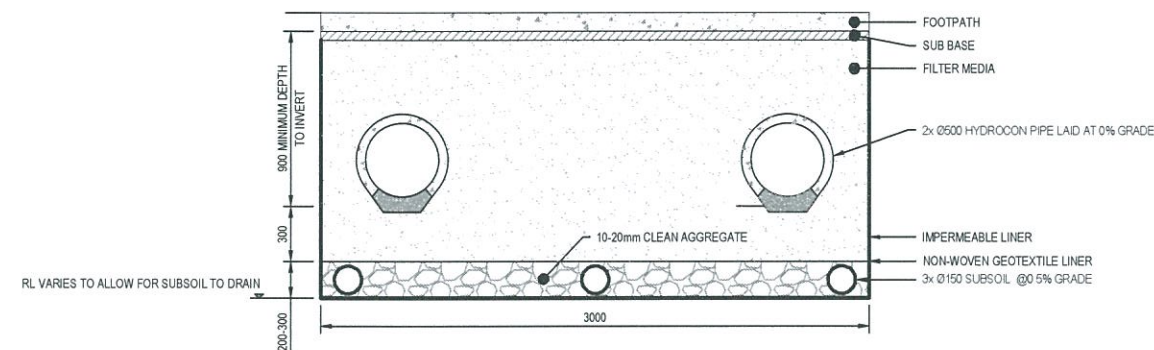
Date Plotted: 6 Feb 2019 - 06:37PM File Name: F:\A006310\E-CADC-CivilD-Final\Precinct F And G-C-FG-006-10006310-rsd-TypicalRoadCrossSections.dwg



TYPICAL LANEWAY ENTRY THRESHOLD
1 : 100

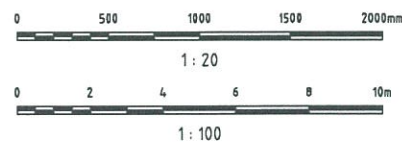


TYPICAL LANEWAY ENTRY THRESHOLD - PAVEMENT DETAIL
1 : 100



TYPICAL HYDROCON PIPE DETAIL
SCALE 1 : 20

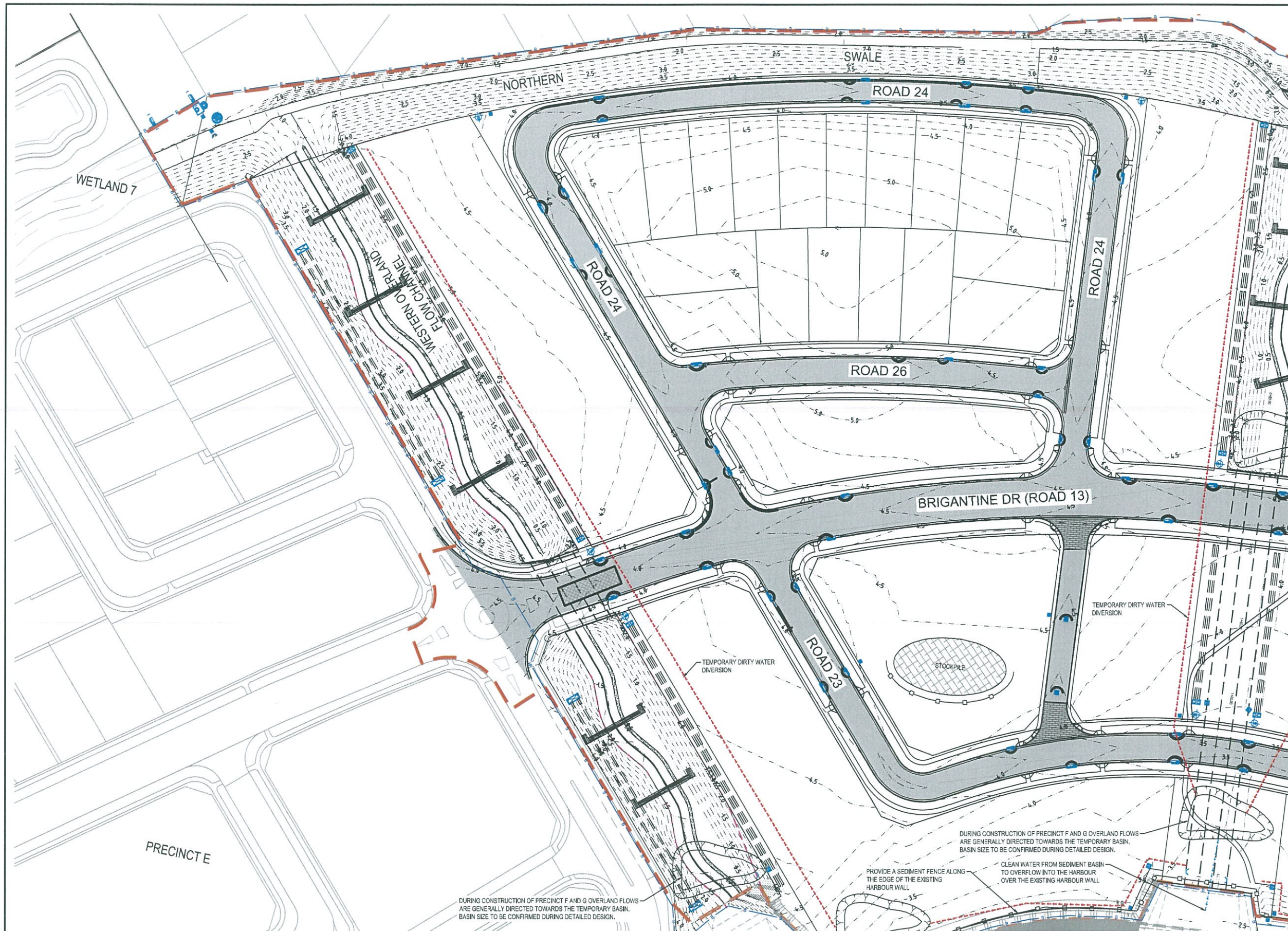
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018
Issue	Description	Date



Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	AS SHOWN	Current Issue Signatures
Original Size	A1	Drawn M McDONALD
Height		Designed GEVERETT
Datum		Checked
Grid		Approved
Filename	C:\g-007-10006310-nsd-TypicalDetails.dwg	

Project	SHELL COVE PRECINCT F AND G AND WETLAND 08	
Title	TYPICAL DETAILS	

Arcadis Australia Pacific Pty Limited Level 16, 580 George Street SYDNEY NSW 2000 ABN 76 104 485 289 Tel No: +61 2 8907 9000 Fax No: +61 2 8907 9001 arcadis.com		
Drawing No.	Project No.	Issue
C-FG-007	10006310	02



LEGEND

PROPOSED WORKS BOUNDARY

PROPOSED CONTOURS (0.25m)

SEDIMENT FENCE (SD 6-8)

1.8m CHAINWIRE BARRIER FENCE
LOCATION TO BE CONFIRMED ON
SITE BY CONTRACTOR

CLEAN WATER DIVERSION

DIRTY WATER DIVERSION

GEOTEXTILE INLET FILTER (SD
6-12)

MESH AND GRAVEL INLET FILTER
(SD6-11)

STRAW BALE FILTER (SD 6-7)

PROPOSED GATE

STOCKPILE AREA (LOCATION OF
STOCKPILE TO BE CONFIRMED ON
SITE BY SUPERINTENDENT) (SD
4-1)

TEMPORARY SEDIMENT BASIN
(LOCATION OF BASIN TO BE
CONFIRMED ON SITE BY
SUPERINTENDENT)

STABILISED SITE ACCESS (SD6-14)

PART 3A BOUNDARY

COMMUNITY LAND BOUNDARY

NOTES
1. MESH AND GRAVEL INLET FILTER TO BE PROVIDED AT ALL
STORMWATER INLET PITS.
2. SANDBAG SEDIMENT TRAP TO BE PROVIDED AT ALL KERBS
INLET LOCATIONS.

- EROSION AND SEDIMENT
CONTROL NOTES**
- GENERAL INSTRUCTIONS**
1. THE SITE SUPERINTENDENT/ENGINEER WILL ENSURE THAT ALL
SOIL AND WATER MANAGEMENT WORKS ARE LOCATED AS
DOCUMENTED.
2. ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE
WITH LOCAL AUTHORITY REQUIREMENTS
2.1. EPA REQUIREMENTS
2.2. EPA REQUIREMENTS
2.3. NSW DEPARTMENT OF HOUSING MANUAL "MANAGING
URBAN STORMWATER, SOILS AND CONSTRUCTION", 4th
EDITION, MARCH 2004.
3. MAINTAIN THE EROSION CONTROL DEVICES TO THE SATISFACTION
OF THE SUPERINTENDENT AND THE LOCAL AUTHORITY.
4. WHEN STORMWATER PITS ARE CONSTRUCTED, PREVENT SITE
RUNOFF ENTERING UNLESS SEDIMENT FENCES ARE ERECTED
AROUND PITS OR THE STORMWATER OUTLET PITS AND PIPES
HAVE BEEN CONSTRUCTED, WHICH DIRECT FLOWS TO THE BOAT
HARBOUR SEDIMENT CONTROL DEVICE.
5. CONTRACTOR IS TO ENSURE ALL EROSION & SEDIMENT CONTROL
DEVICES ARE MAINTAINED IN GOOD WORKING ORDER AND
OPERATE EFFECTIVELY. REPAIRS AND OR MAINTENANCE SHALL
BE UNDERTAKEN AS REQUIRED, PARTICULARLY FOLLOWING
STORMEVENTS.
- LAND DISTURBANCE**
6. WHERE PRACTICAL, THE SOIL EROSION HAZARD ON THE SITE WILL
BE KEPT AS LOW AS POSSIBLE. TO THIS END, WORKS SHOULD BE
PROGRESSIVELY UNDERTAKEN TO MINIMISE SOIL DISTURBANCE.
- EROSION CONTROL**
7. DURING WINDY WEATHER, LARGE, UNPROTECTED AREAS WILL BE
KEPT MOIST (NOT WET) BY SPRINKLING WITH WATER TO KEEP
DUST UNDER CONTROL.
8. SITE STABILISATION BY APPLICATION OF SEEDED HYDROMULCH
WILL BE UNDERTAKEN AS SOON AS POSSIBLE AND WITHIN 20
WORKING DAYS FROM COMPLETION OF CONSTRUCTION
ACTIVITIES.
- SEDIMENT CONTROL**
9. STOCKPILES WILL NOT BE LOCATED WITHIN 2 METRES OF HAZARD
AREAS, INCLUDING LIKELY AREAS OF CONCENTRATED OR HIGH
VELOCITY FLOWS SUCH AS WATERWAYS. WHERE THEY ARE
BETWEEN 2 AND 5 METRES FROM SUCH AREAS, SPECIAL
SEDIMENT CONTROL MEASURES SHOULD BE TAKEN TO MINIMISE
POSSIBLE POLLUTION TO DOWNSLOPE WATERS, E.G. THROUGH
INSTALLATION OF SEDIMENT FENCING.
10. WATER WILL BE PREVENTED FROM ENTERING THE PERMANENT
DRAINAGE SYSTEM UNLESS IT IS RELATIVELY SEDIMENT FREE, I.E.
THE CATCHMENT AREA HAS BEEN PERMANENTLY LANDSCAPED
AND/OR ANY LIKELY SEDIMENT HAS BEEN FILTERED THROUGH AN
APPROVED STRUCTURE.
11. TEMPORARY SOIL AND WATER MANAGEMENT STRUCTURES WILL
BE REMOVED ONLY AFTER THE LANDS THEY ARE PROTECTING
ARE REHABILITATED.
- OTHER MATTERS**
12. ACCEPTABLE RECEPTORS WILL BE PROVIDED FOR CONCRETE
AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHT-WEIGHT
WASTE MATERIALS AND LITTER.
13. ALL TREES WITHIN THE EXTENT OF PROPOSED WORKS ARE TO BE
REMOVED AND DISPOSED OF BY THE CONTRACTOR.

Issue	Description	Date
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018



Client

Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1 : 500	Current Issue Signatures
Original Size	A1	Drawn M McDONALD
Height	AHD	Designed GEVERETT
Datum		Checked
Grid	MGA	Approved
Filename: m:\g-101-10006310-nsd-ErosionAndSedimentControlPlanSheet1.dwg		

Project

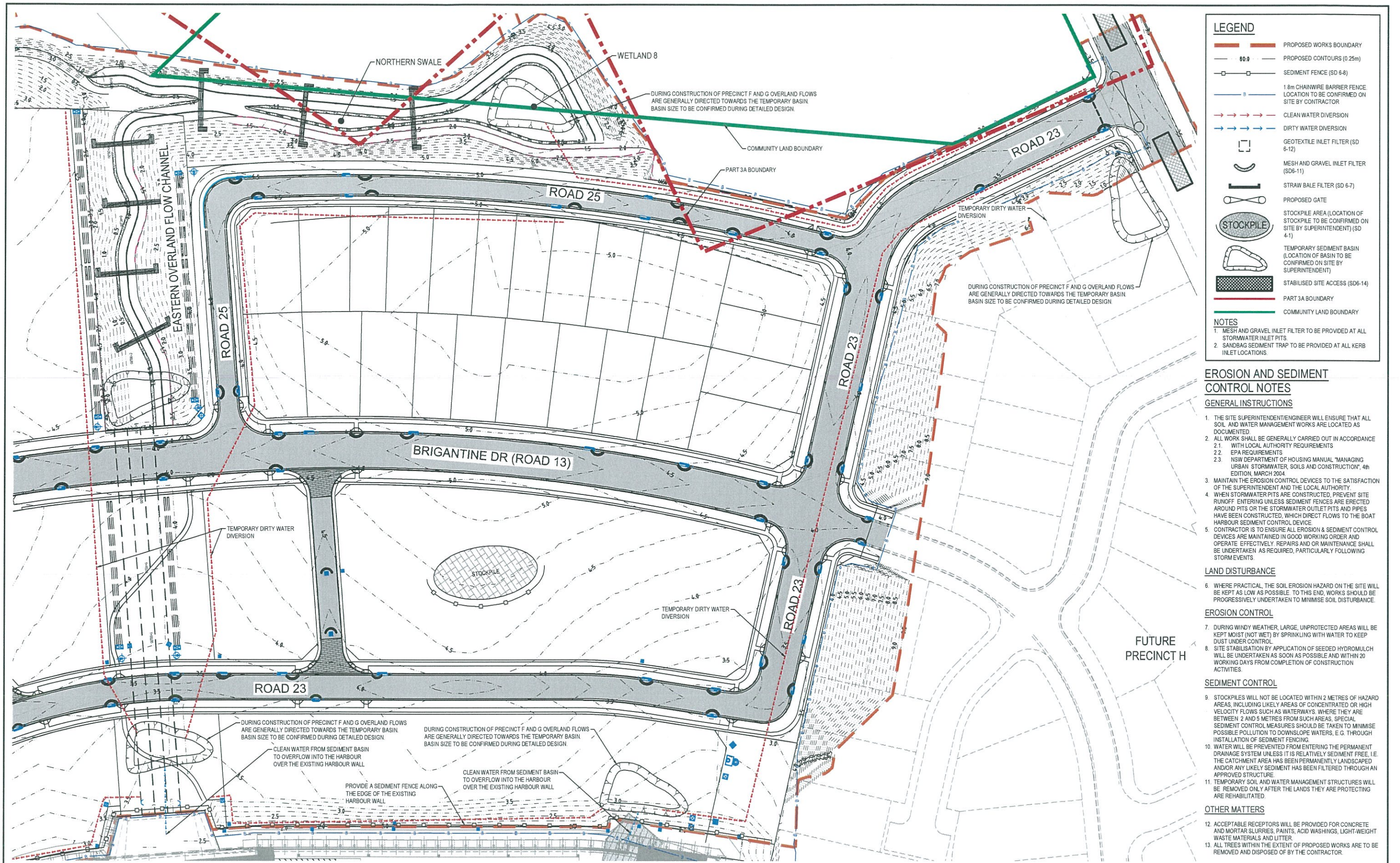
SHELL COVE
PRECINCT F AND G
AND WETLAND 08

Title

EROSION AND SEDIMENT
CONTROL PLAN
SHEET 1

Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No. Project No. Issue
C-FG-101 10006310 02



Issue	Description	Date
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018

0 10 20 30 40 50m
1: 500



Client



FRASERS
PROPERTY

Status

PRELIMINARY ONLY
NOT TO BE USED FOR CONSTRUCTION

Scales

1: 500

Original
Size

A1

Height
Datum

AHD

Grid

MGA

Current Issue Signatures

Drawn

M. McDONALD

Designed

G. EVERETT

Checked

Approved

Filename: mcd-102-10006310-nsd-ErosionAndSedimentControlPlanSheet2.dwg

Project

SHELL COVE
PRECINCT F AND G
AND WETLAND 08

Title

EROSION AND SEDIMENT
CONTROL PLAN
SHEET 2

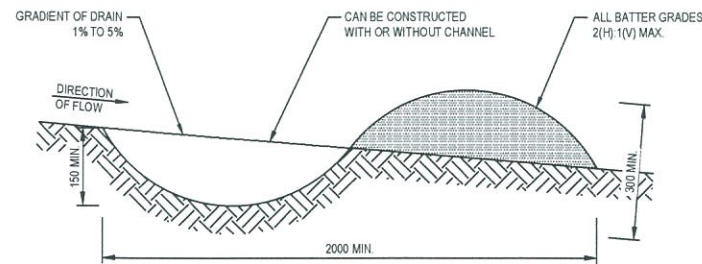


Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289

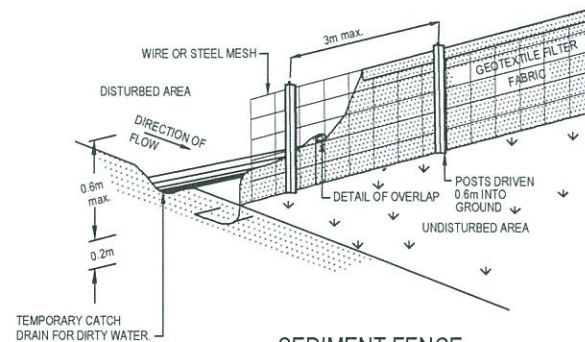
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No. Project No. Issue
C-FG-102 - 10006310 - 02

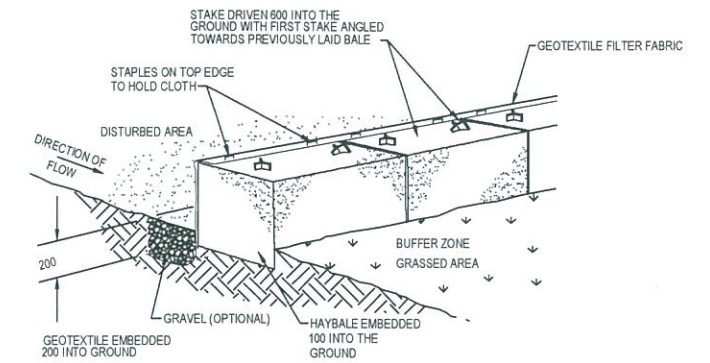
Date Plotted: 13 Jun 2018 - 09:32AM File Name: F:\A006310\IE-CADIC-CivilD-FinalC-Precinct F And G-G-102-10006310-nsd-ErosionAndSedimentControlPlanSheet2.dwg



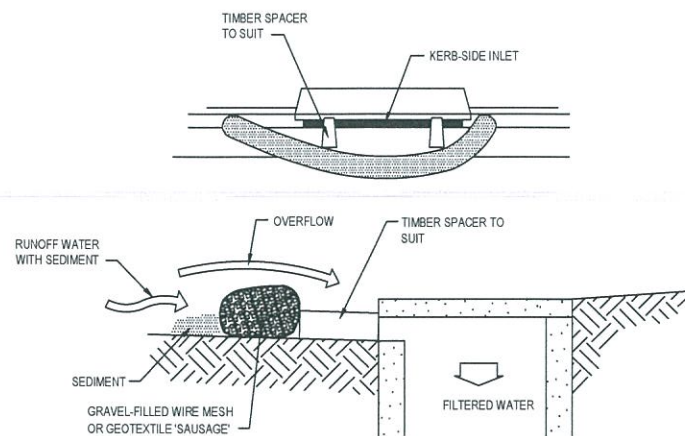
EARTH BUND
NTS



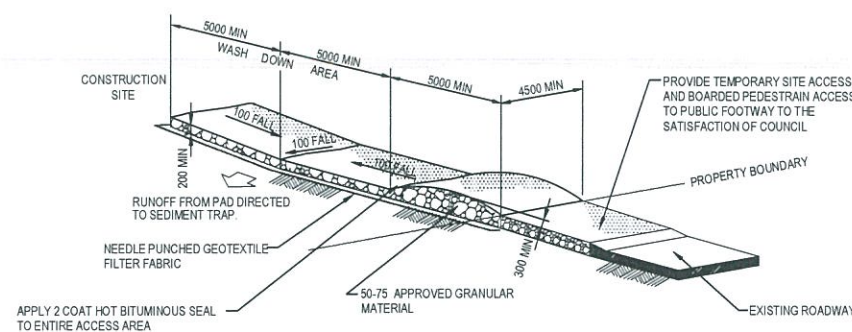
SEDIMENT FENCE
NTS



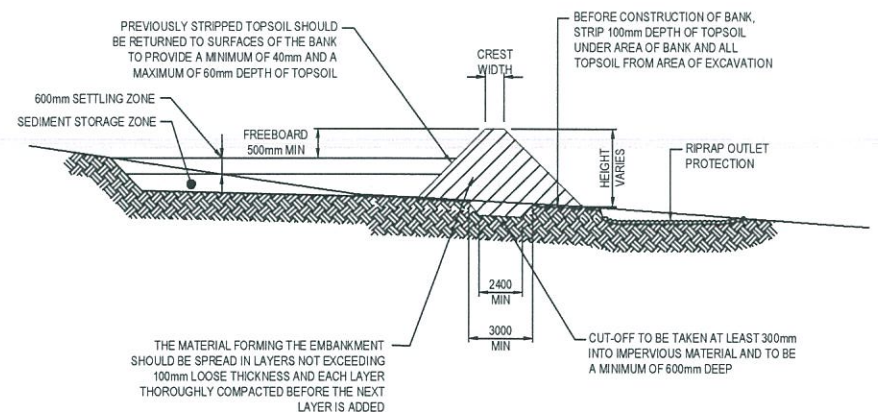
HAY BALE AND GEOTEXTILE SEDIMENT FILTER
NTS



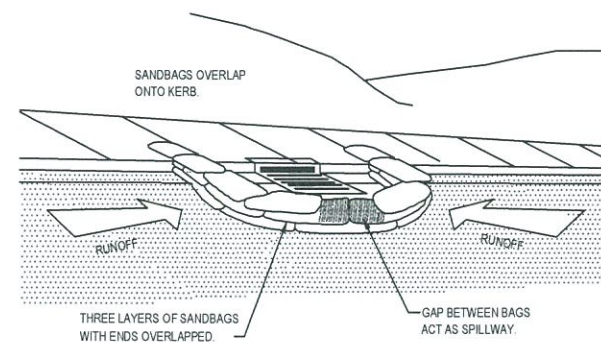
MESH AND GRAVEL INLET FILTER
NTS



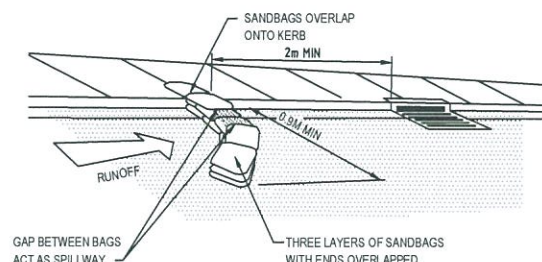
STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA
NTS



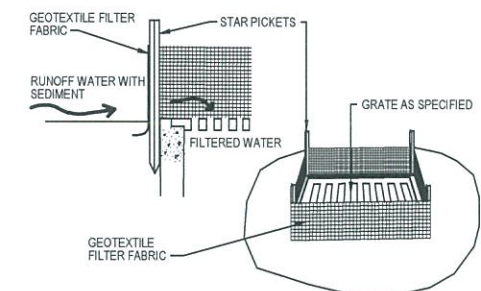
SEDIMENT BASIN (TYPICAL) CROSS SECTION - TYPE D AND F SOILS
NTS



**SANDBAG SEDIMENT TRAP
FOR KERB INLET AT SUMP**
NTS



**SANDBAG SEDIMENT TRAP
FOR KERB INLET ON GRADE**
NTS



GEOTEXTILE FILTER PIT SURROUND
NTS

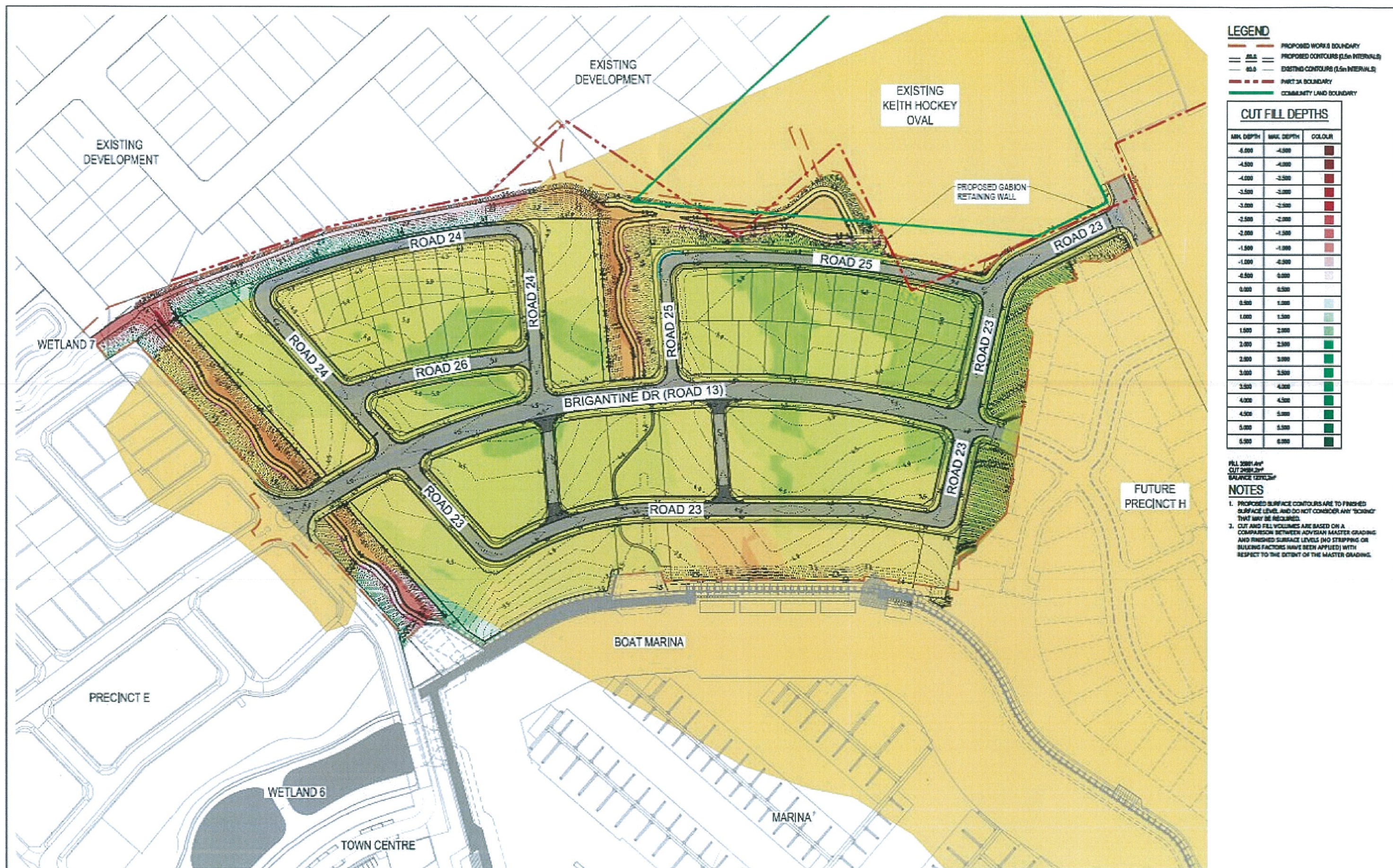
Issue	Description	Date
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018



Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	N.T.S.	Current Issue Signatures
Original Size	A1	Drawn M. McDONALD
Height Datum	AHD	Designed G. EVERETT
Grid	MGA	Checked [Signature]
File name	C:\g-111-10006310-nsd-ErosionAndSedimentControlDetails.dwg	

Project	SHELL COVE PRECINCT F AND G AND WETLAND 08
Title	EROSION AND SEDIMENT CONTROL DETAILS

ARCADIS		
Arcadis Australia Pacific Pty Limited Level 16, 580 George Street SYDNEY NSW 2000 ABN 76 104 485 289 Tel No: +61 2 8907 9000 Fax No: +61 2 8907 9001 arcadis.com		
Drawing No.	Project No.	Issue
C-FG-111 -	10006310	02



LEGEND

	PROPOSED WORKS BOUNDARY
	PROPOSED CONTOURS (0.5m INTERVALS)
	EXISTING CONTOURS (0.5m INTERVALS)
	PRECINCT A BOUNDARY
	COMMUNITY LAND BOUNDARY

CUT/FILL DEPTHS

MIN. DEPTH	MAX. DEPTH	COLOR
-6.000	-4.500	Dark Red
-4.500	-3.000	Red
-3.000	-1.500	Light Red
-1.500	0.000	White
0.000	1.500	Light Green
1.500	3.000	Green
3.000	4.500	Dark Green
4.500	6.000	Very Dark Green

- PL 308141
CUT 208121
BALANCE 108121
- NOTES**
- PROPOSED SURFACE CONTOURS ARE TO FINISHED SURFACE LEVEL AND DO NOT CONSIDER ANY 'SCARP' THAT MAY BE REQUIRED.
 - CUT AND FILL VOLUMES ARE BASED ON A COMPARISON BETWEEN ADVISORY MASTER GRADING AND FINISHED SURFACE LEVELS (NO STRIPPING OR BUILDING FACTORS HAVE BEEN APPLIED) WITH RESPECT TO THE DEPTH OF THE MASTER GRADING.

Issue	Description	Date
01	ISSUED FOR CLIENT REVIEW	16/09/2016



PRELIMINARY ONLY
NOT TO BE USED FOR CONSTRUCTION

Scale	1:1000	Current Issue Signature
Original Size	A1	Drawn: M. McDONALD
Height Datum	AHD	Designed: C. CLEVERETT
Grid	MG4	Checked: [Signature]
		Approved: [Signature]

Filename: C:\p-200-1000\10-1000-AcidSulfateSoilManagement\10-1000.dwg

SHELL COVE PRECINCT F AND G AND WETLAND 08

ACID SULFATE SOIL MANAGEMENT PLAN

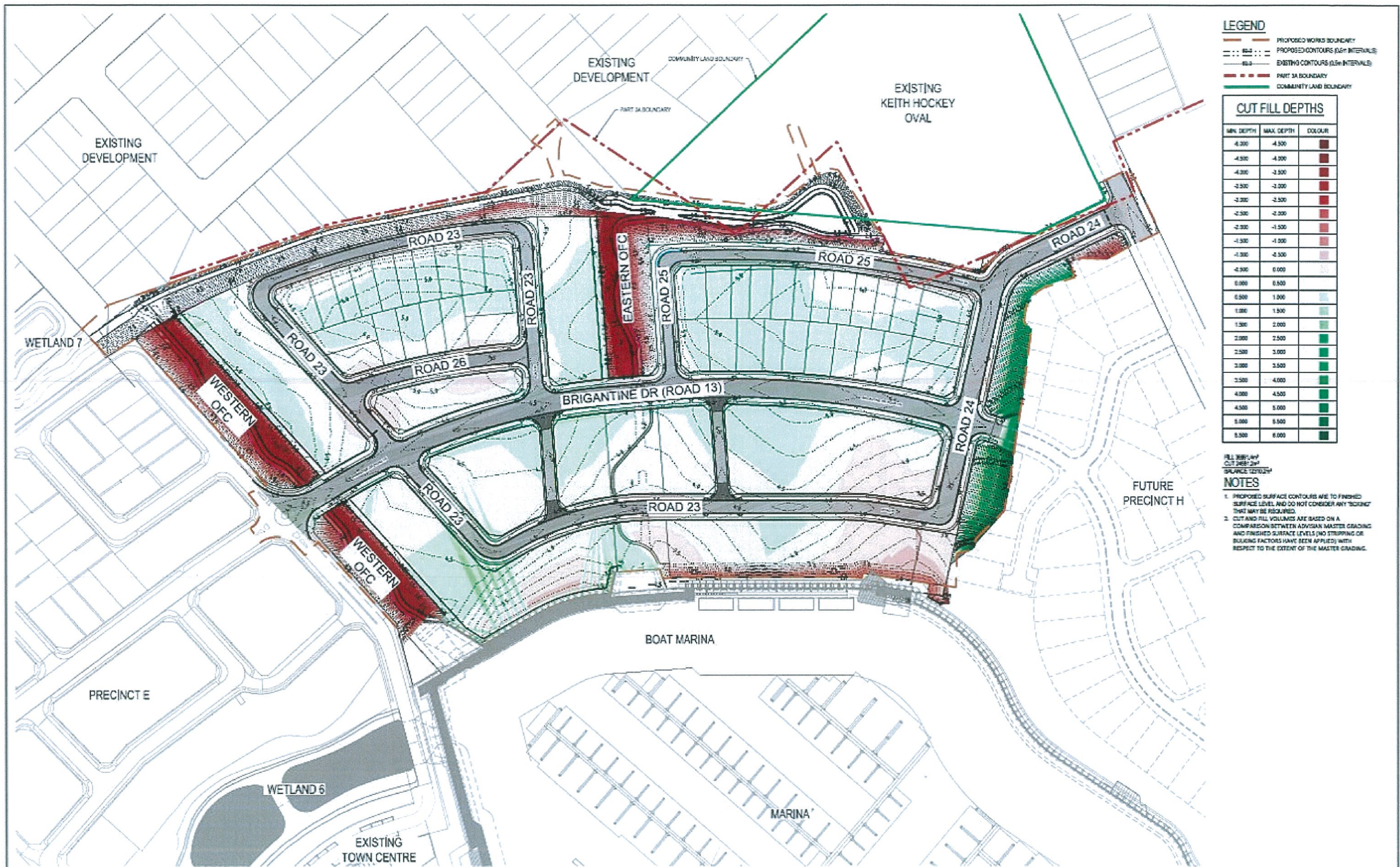
Drawing No: C-FG-200 - 10006310 - 01

ARCADIS

Arcadis Australia Pacific Pty Limited
Level 10, 500 George Street
SYDNEY NSW 2000
AS/NZS 7514:2006


























Tel No: +61 2 9507 9000
Fax No: +61 2 9507 9001
arcadis.com.au

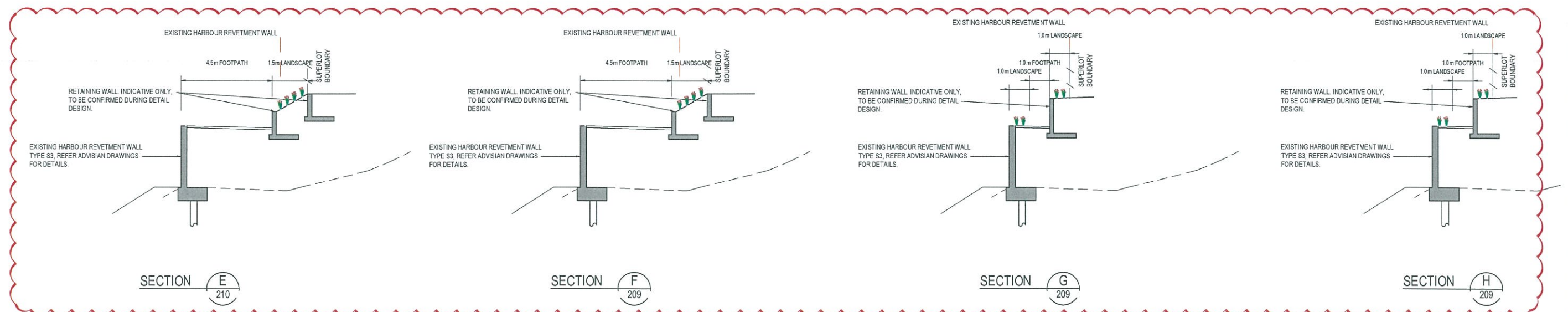
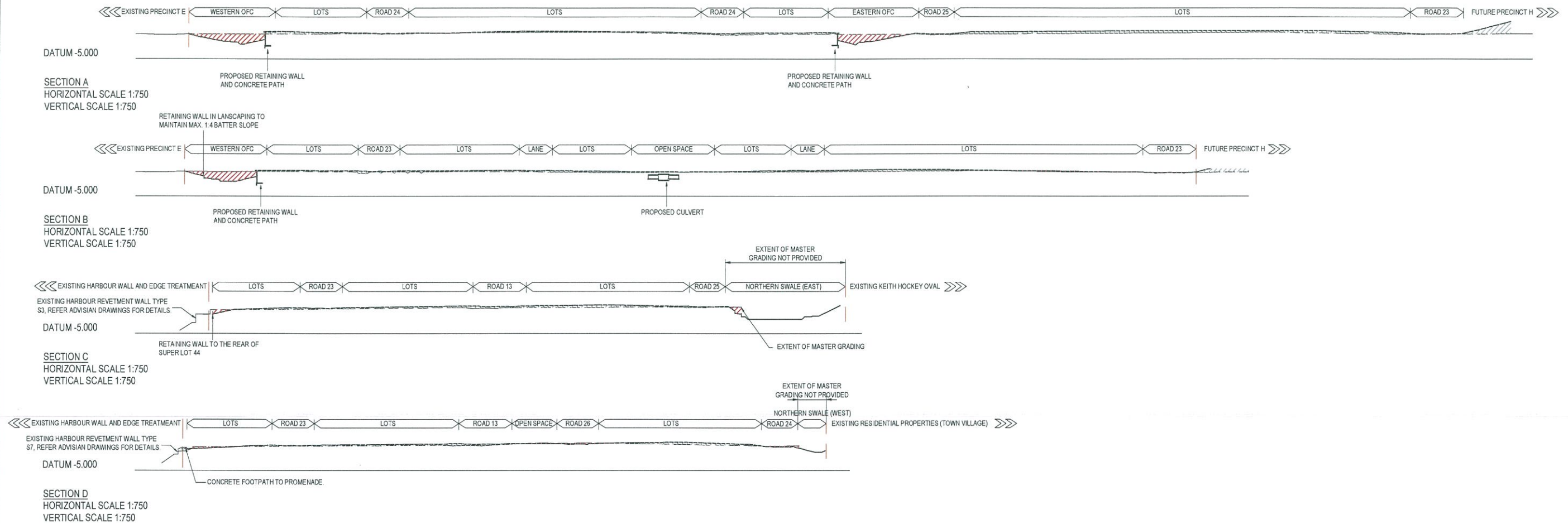
Drawing No: C-FG-200 - 10006310 - 01



LEGEND

	PROPOSED WORKS BOUNDARY
	PROPOSED CONTOURS (0.5m INTERVALS)
	EXISTING CONTOURS (0.5m INTERVALS)
	PART 3A BOUNDARY
	COMMUNITY LAND BOUNDARY

CUT/FILL DEPTHS		
MIN. DEPTH	MAX. DEPTH	COLOR
4.000	4.500	
4.500	4.900	
4.900	5.300	
5.300	5.700	
5.700	6.100	
6.100	6.500	
6.500	6.900	
6.900	7.300	
7.300	7.700	
7.700	8.100	
8.100	8.500	
8.500	8.900	
8.900	9.300	
9.300	9.700	
9.700	10.100	
10.100	10.500	
10.500	10.900	
10.900	11.300	
11.300	11.700	
11.700	12.100	
12.100	12.500	
12.500	12.900	
12.900	13.300	
13.300	13.700	
13.700	14.100	
14.100	14.500	
14.500	14.900	
14.900	15.300	
15.300	15.700	
15.700	16.100	
16.100	16.500	
16.500	16.900	
16.900	17.300	
17.300	17.700	
17.700	18.100	
18.100	18.500	
18.500	18.900	
18.900	19.300	
19.300	19.700	
19.700	20.100	
20.100	20.500	
20.500	20.900	
20.900	21.300	
21.300	21.700	
21.700	22.100	
22.100	22.500	
22.500	22.900	
22.900	23.300	
23.300	23.700	
23.700	24.100	
24.100	24.500	
24.500	24.900	
24.900	25.300	
25.300	25.700	
25.700	26.100	
26.100	26.500	
26.500	26.900	
26.900	27.300	
27.300	27.700	
27.700	28.100	
28.100	28.500	
28.500	28.900	
28.900	29.300	
29.300	29.700	
29.700	30.100	
30.100	30.500	
30.500	30.900	
30.900	31.300	
31.300	31.700	
31.700	32.100	
32.100	32.500	
32.500	32.900	
32.900	33.300	
33.300	33.700	
33.700	34.100	
34.100	34.500	
34.500	34.900	
34.900	35.300	
35.300	35.700	
35.700	36.100	
36.100	36.500	
36.500	36.900	
36.900	37.300	
37.300	37.700	
37.700	38.100	
38.100	38.500	
38.500	38.900	
38.900	39.300	
39.300	39.700	
39.700	40.100	
40.100	40.500	
40.500	40.900	
40.900	41.300	
41.300	41.700	
41.700	42.100	
42.100	42.500	
42.500	42.900	
42.900	43.300	
43.300	43.700	
43.700	44.100	
44.100	44.500	
44.500	44.900	
44.900	45.300	
45.300	45.700	
45.700	46.100	
46.100	46.500	
46.500	46.900	
46.900	47.300	
47.300	47.700	
47.700	48.100	
48.100	48.500	
48.500	48.900	
48.900	49.300	
49.300	49.700	
49.700	50.100	
50.100	50.500	
50.500	50.900	
50.900	51.300	
51.300	51.700	
51.700	52.100	
52.100	52.500	
52.500	52.900	
52.900	53.300	
53.300	53.700	
53.700	54.100	
54.100	54.500	
54.500	54.900	
54.900	55.300	
55.300	55.700	
55.700	56.100	
56.100	56.500	
56.500	56.900	
56.900	57.300	
57.300	57.700	
57.700	58.100	
58.100	58.500	
58.500	58.900	
58.900	59.300	
59.300	59.700	
59.700	60.100	
60.100	60.500	
60.500	60.900	
60.900	61.300	
61.300	61.700	
61.700	62.100	
62.100	62.500	
62.500	62.900	
62.900	63.300	
63.300	63.700	
63.700	64.100	
64.100	64.500	
64.500	64.900	
64.900	65.300	
65.300	65.700	
65.700	66.100	
66.100	66.500	
66.500	66.900	
66.900	67.300	
67.300	67.700	
67.700	68.100	
68.100	68.500	
68.500	68.900	
68.900	69.300	
69.300	69.700	
69.700	70.100	
70.100	70.500	
70.500	70.900	
70.900	71.300	
71.300	71.700	
71.700	72.100	
72.100	72.500	
72.500	72.900	
72.900	73.300	
73.300	73.700	
73.700	74.100	
74.100	74.500	
74.500	74.900	
74.900	75.300	
75.300	75.700	
75.700	76.100	
76.100	76.500	
76.500	76.900	
76.900	77.300	
77.300	77.700	
77.700	78.100	
78.100	78.500	
78.500	78.900	
78.900	79.300	
79.300	79.700	
79.700	80.100	
80.100	80.500	
80.500	80.900	
80.900	81.300	
81.300	81.700	
81.700	82.100	
82.100	82.500	
82.500	82.900	
82.900	83.300	
83.300	83.700	
83.700	84.100	
84.100	84.500	
84.500	84.900	
84.90		



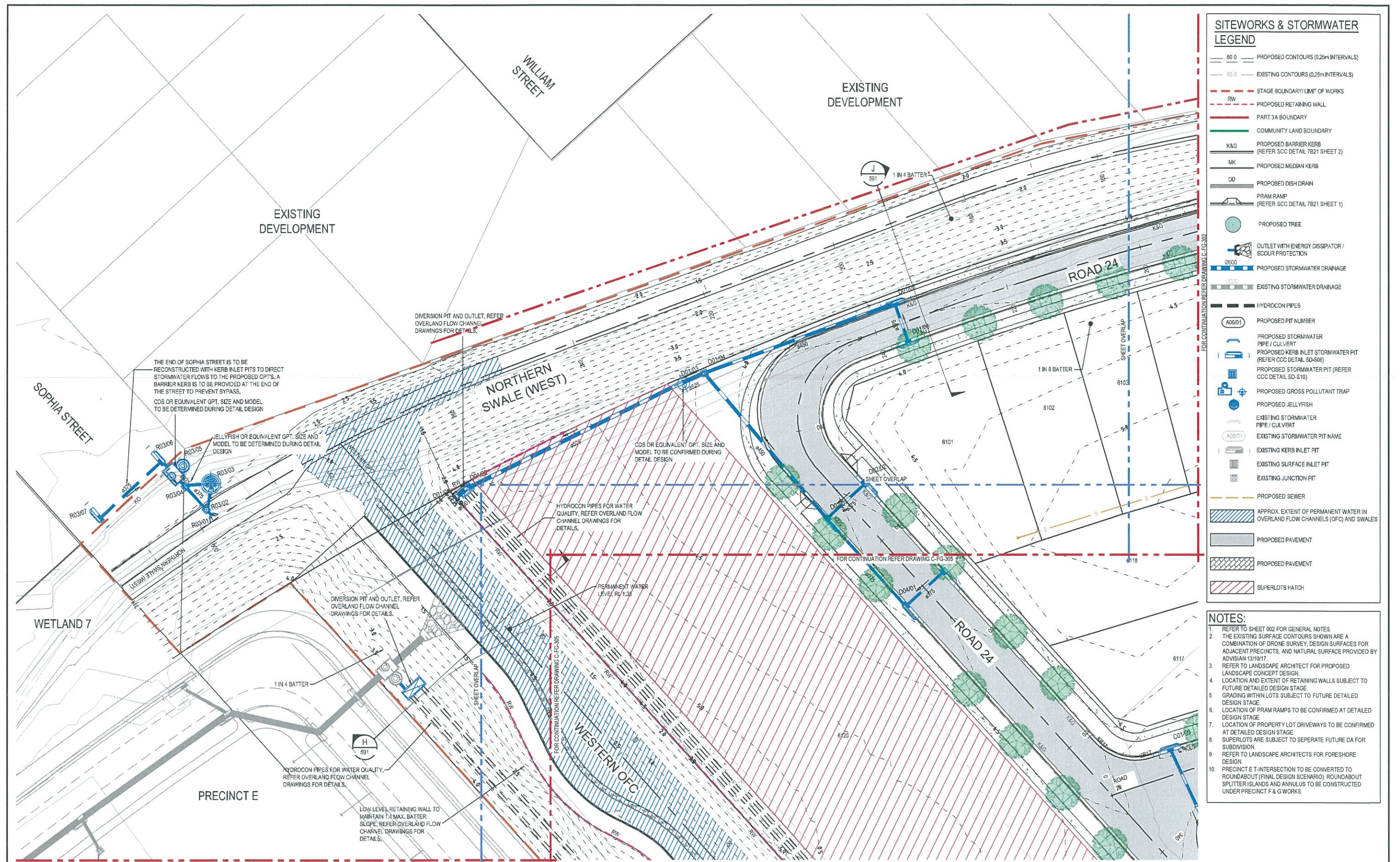
Issue	Description	Date
03	ADDRESS COUNCIL'S COMMENTS	7/02/2019
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018



Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1 : 750	Current Issue Signatures
Original Size	A1	Drawn M. McDONALD
Height Datum	AHD	Designed GEVERETT
Grid	MGA	Checked
Filename	C:\g-203-10006310-nsd-Earthworks\Sections\Sheet1.dwg	
Grid	MGA	Approved

Project	SHELL COVE PRECINCT F AND G AND WETLAND 08
Title	EARTHWORKS SECTIONS SHEET 1

ARCADIS	
Arcadis Australia Pacific Pty Limited Level 16, 580 George Street SYDNEY NSW 2000 ABN 76 104 485 289	
Tel No: +61 2 8907 9000 Fax No: +61 2 8907 9001 arcadis.com	
Drawing No.	Project No.
C-FG-203	10006310
Issue	03

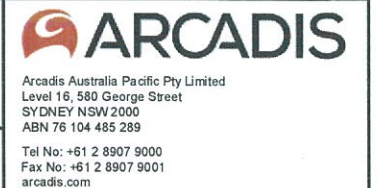


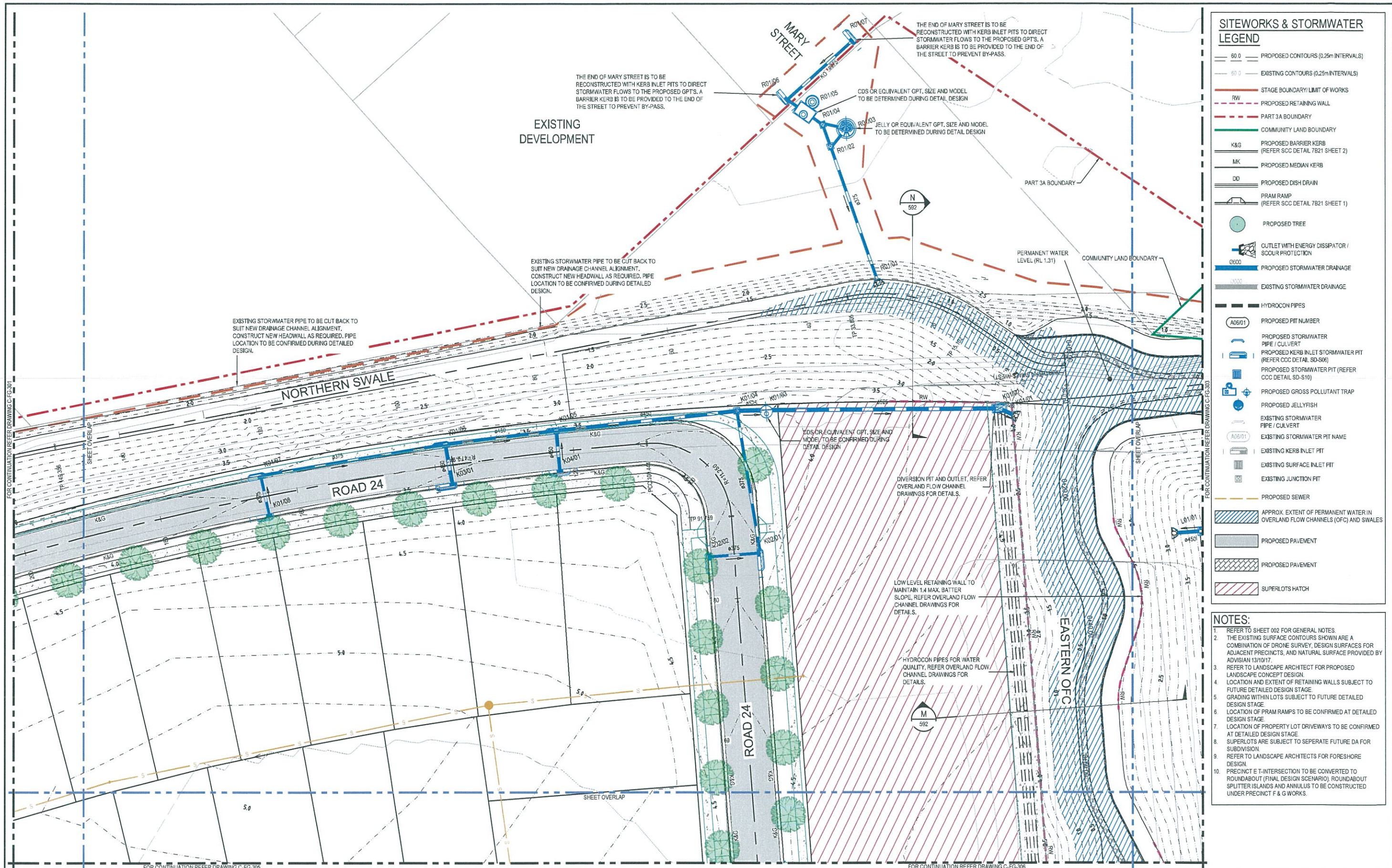
FOR CONTINUATION REFER DR		
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018
Issue	Description	Date



Status			
<p align="center">PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION</p>			
Scales	1 : 250	Current Issue Signatures	
		Drawn M McDONALD	
Original Size	A1	Designed G EVERETT	
Height Datum	AHD	Checked	
Grid	MGA	Approved	
File# 2001-10006310-nsd-CivilWorksAndSbmwaterDrainagePlans			

Project	SHELL COVE PRECINCT F AND G AND WETLAND 08
Title	CIVIL WORKS AND STORMWATER DRAINAGE PLANS SHEET 1





SITeworks & STORMWATER LEGEND

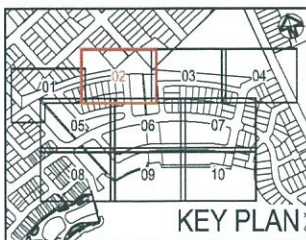
- PROPOSED CONTOURS (0.25m INTERVALS)
- EXISTING CONTOURS (0.25m INTERVALS)
- STAGE BOUNDARY / LIMIT OF WORKS
- PROPOSED RETAINING WALL
- PART 3A BOUNDARY
- COMMUNITY LAND BOUNDARY
- PROPOSED BARRIER KERB (REFER SCC DETAIL 7B21 SHEET 2)
- PROPOSED MEDIAN KERB
- PROPOSED DISH DRAIN
- PRAM RAMP (REFER SCC DETAIL 7B21 SHEET 1)
- PROPOSED TREE
- OUTLET WITH ENERGY DISSIPATOR / SCOUR PROTECTION
- PROPOSED STORMWATER DRAINAGE
- EXISTING STORMWATER DRAINAGE
- HYDROCON PIPES
- PROPOSED PIT NUMBER
- PROPOSED STORMWATER PIPE / CULVERT
- PROPOSED KERB INLET STORMWATER PIT (REFER CCC DETAIL SD-S06)
- PROPOSED STORMWATER PIT (REFER CCC DETAIL SD-S10)
- PROPOSED GROSS POLLUTANT TRAP
- PROPOSED JELLYFISH
- EXISTING STORMWATER PIPE / CULVERT
- EXISTING STORMWATER PIT NAME
- EXISTING KERB INLET PIT
- EXISTING SURFACE INLET PIT
- EXISTING JUNCTION PIT
- PROPOSED SEWER
- APPROX. EXTENT OF PERMANENT WATER IN OVERLAND FLOW CHANNELS (OFC) AND SWALES
- PROPOSED PAVEMENT
- PROPOSED PAVEMENT
- SUPERLOTS HATCH

- ## NOTES:
- REFER TO SHEET 002 FOR GENERAL NOTES.
 - THE EXISTING SURFACE CONTOURS SHOWN ARE A COMBINATION OF DRONE SURVEY, DESIGN SURFACES FOR ADJACENT PRECINCTS, AND NATURAL SURFACE PROVIDED BY ADVISIAN 13/10/17.
 - REFER TO LANDSCAPE ARCHITECT FOR PROPOSED LANDSCAPE CONCEPT DESIGN.
 - LOCATION AND EXTENT OF RETAINING WALLS SUBJECT TO FUTURE DETAILED DESIGN STAGE.
 - GRADING WITHIN LOTS SUBJECT TO FUTURE DETAILED DESIGN STAGE.
 - LOCATION OF PRAM RAMP TO BE CONFIRMED AT DETAILED DESIGN STAGE.
 - LOCATION OF PROPERTY LOT DRIVEWAYS TO BE CONFIRMED AT DETAILED DESIGN STAGE.
 - SUPERLOTS ARE SUBJECT TO SEPARATE FUTURE DA FOR SUBDIVISION.
 - REFER TO LANDSCAPE ARCHITECTS FOR FORESHORE DESIGN.
 - PRECINCT E T-INTERSECTION TO BE CONVERTED TO ROUNDABOUT (FINAL DESIGN SCENARIO). ROUNDABOUT SPLITTER ISLANDS AND ANNULUS TO BE CONSTRUCTED UNDER PRECINCT F & G WORKS.

Issue	Description	Date
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018

0 5 10 15 20 25m

1 : 250

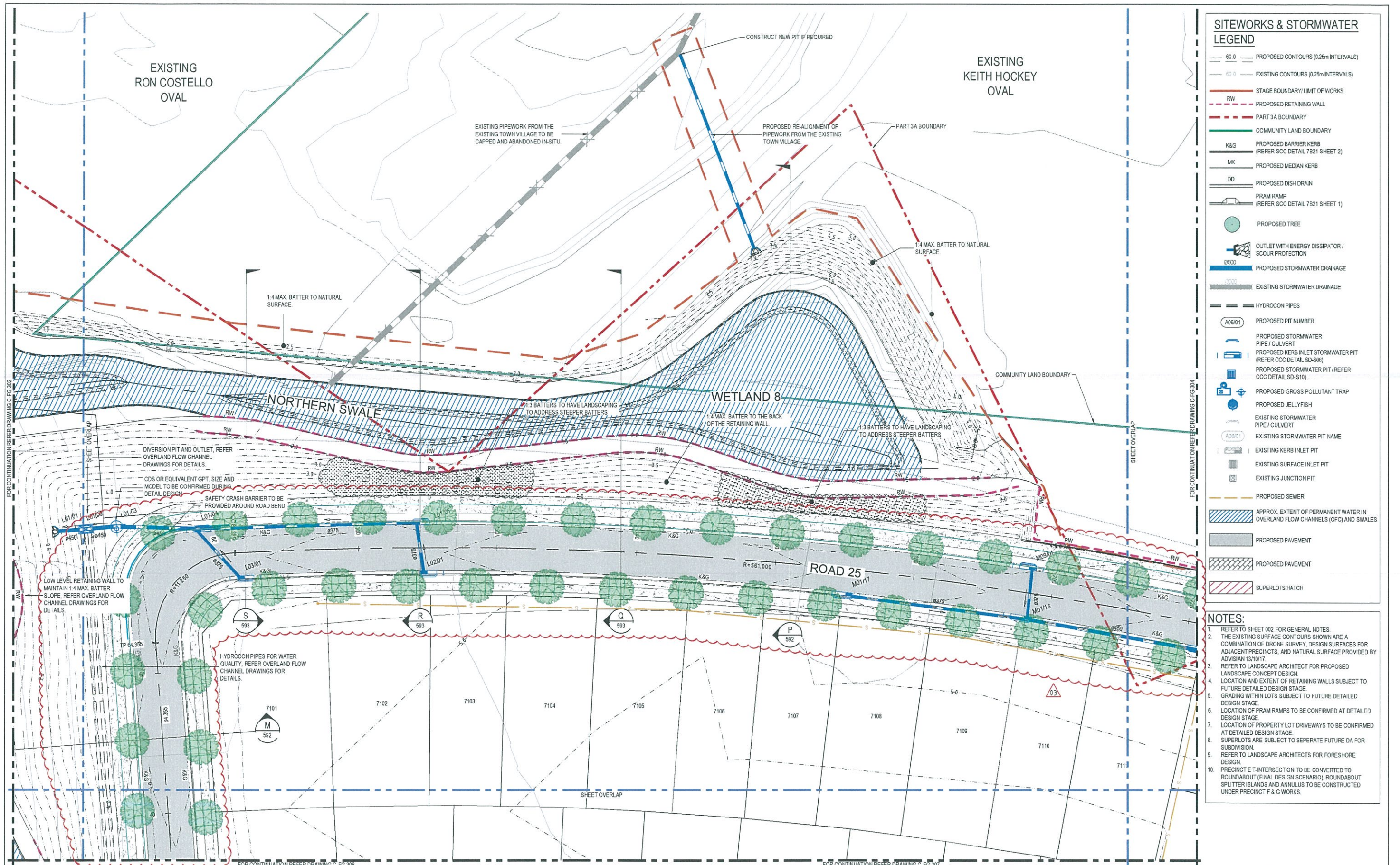


Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1 : 250	Current Issue Signatures
Original Size	A1	Drawn M McDONALD
Height	AHD	Designed G EVERETT
Datum	MGA	Checked
Grid		Approved

Project	SHELL COVE PRECINCT F AND G AND WETLAND 08
Title	CIVIL WORKS AND STORMWATER DRAINAGE PLANS SHEET 2

Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No.	Project No.	Issue
C-FG-302	10006310	02



SITeworks & STORMwater
LEGEND

- 50.0 PROPOSED CONTOURS (0.25m INTERVALS)
- 50.0 EXISTING CONTOURS (0.25m INTERVALS)
- STAGE BOUNDARY / LIMIT OF WORKS
- RW PROPOSED RETAINING WALL
- PART 3A BOUNDARY
- COMMUNITY LAND BOUNDARY
- K&G PROPOSED BARRIER KERB (REFER SCC DETAIL 7B21 SHEET 2)
- MK PROPOSED MEDIAN KERB
- DD PROPOSED DISH DRAIN
- PRAM RAMP (REFER SCC DETAIL 7B21 SHEET 1)
- PROPOSED TREE
- OUTLET WITH ENERGY DISSIPATOR / SCOUR PROTECTION
- PROPOSED STORMWATER DRAINAGE
- EXISTING STORMWATER DRAINAGE
- HYDROCON PIPES
- A06/01 PROPOSED PIT NUMBER
- PROPOSED STORMWATER PIPE / CULVERT
- PROPOSED KERB INLET STORMWATER PIT (REFER CCC DETAIL SD-S06)
- PROPOSED STORMWATER PIT (REFER CCC DETAIL SD-S10)
- PROPOSED GROSS POLLUTANT TRAP
- PROPOSED JELLYFISH
- EXISTING STORMWATER PIPE / CULVERT
- A06/01 EXISTING STORMWATER PIT NAME
- EXISTING KERB INLET PIT
- EXISTING SURFACE INLET PIT
- EXISTING JUNCTION PIT
- PROPOSED SEWER
- APPROX. EXTENT OF PERMANENT WATER IN OVERLAND FLOW CHANNELS (OFC) AND SWALES
- PROPOSED PAVEMENT
- PROPOSED PAVEMENT
- SUPERLOTS HATCH

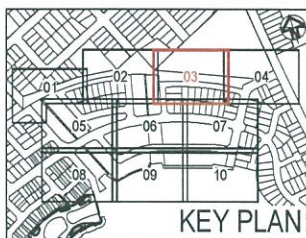
NOTES:

- REFER TO SHEET 002 FOR GENERAL NOTES.
- THE EXISTING SURFACE CONTOURS SHOWN ARE A COMBINATION OF DRONE SURVEY, DESIGN SURFACES FOR ADJACENT PRECINCTS, AND NATURAL SURFACE PROVIDED BY ADVISIAN 13/10/17.
- REFER TO LANDSCAPE ARCHITECT FOR PROPOSED LANDSCAPE CONCEPT DESIGN.
- LOCATION AND EXTENT OF RETAINING WALLS SUBJECT TO FUTURE DETAILED DESIGN STAGE.
- GRADING WITHIN LOTS SUBJECT TO FUTURE DETAILED DESIGN STAGE.
- LOCATION OF PRAM RAMP TO BE CONFIRMED AT DETAILED DESIGN STAGE.
- LOCATION OF PROPERTY LOT DRIVEWAYS TO BE CONFIRMED AT DETAILED DESIGN STAGE.
- SUPERLOTS ARE SUBJECT TO SEPARATE FUTURE DA FOR SUBDIVISION.
- REFER TO LANDSCAPE ARCHITECTS FOR FORESHORE DESIGN.
- PRECINCT E T-INTERSECTION TO BE CONVERTED TO ROUNDABOUT (FINAL DESIGN SCENARIO). ROUNDABOUT SPLITTER ISLANDS AND ANNULUS TO BE CONSTRUCTED UNDER PRECINCT F & G WORKS.

Issue	Description	Date
03	ADDRESS COUNCIL'S COMMENTS	7/02/2019
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018

0 5 10 15 20 25m

1 : 250



Client



Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1 : 250	Current Issue Signatures
Original Size	A1	Drawn M McDONALD
Height Datum	AHD	Designed GEVERETT
Grid	MGA	Checked
		Approved

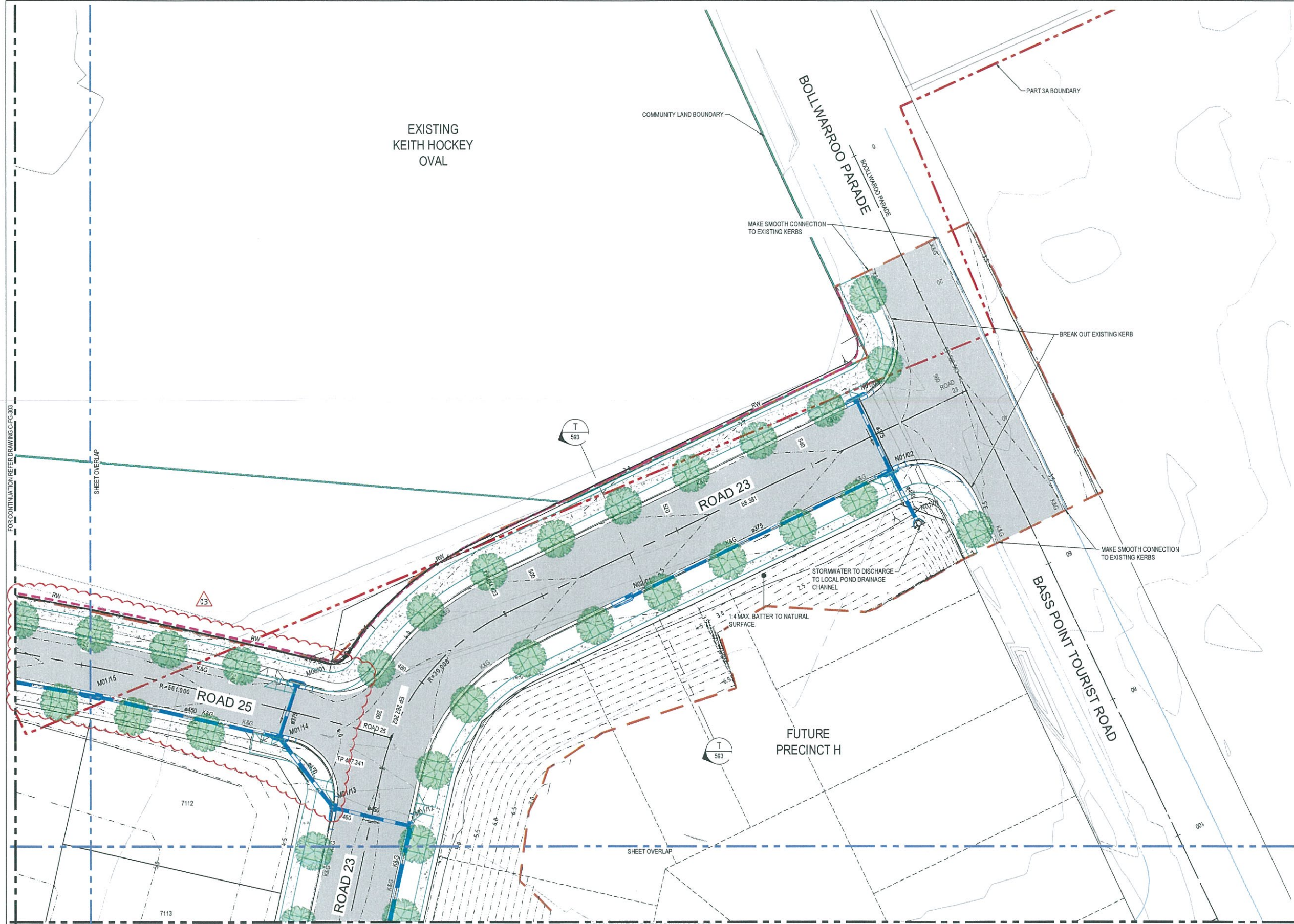
Project
SHELL COVE
PRECINCT F AND G
AND WETLAND 08

Title
CIVIL WORKS AND
STORMWATER DRAINAGE PLANS
SHEET 3



Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No. Project No. Issue
C-FG-303 - 10006310 - 03

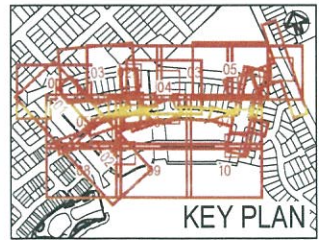


SITEWORKS & STORMWATER
LEGEND

- 60.0 PROPOSED CONTOURS (0.25m INTERVALS)
- 60.0 EXISTING CONTOURS (0.25m INTERVALS)
- STAGE BOUNDARY / LIMIT OF WORKS
- RW PROPOSED RETAINING WALL
- PART 3A BOUNDARY
- COMMUNITY LAND BOUNDARY
- K&G PROPOSED BARRIER KERB (REFER SCC DETAIL 7B21 SHEET 2)
- MK PROPOSED MEDIAN KERB
- DD PROPOSED DISH DRAIN
- PRAM RAMP (REFER SCC DETAIL 7B21 SHEET 1)
- PROPOSED TREE
- OUTLET WITH ENERGY DISSIPATOR / SCOUR PROTECTION
- PROPOSED STORMWATER DRAINAGE
- EXISTING STORMWATER DRAINAGE
- HYDROCON PIPES
- A05/01 PROPOSED PIT NUMBER
- PROPOSED STORMWATER PIPE / CULVERT
- PROPOSED KERB INLET STORMWATER PIT (REFER CCC DETAIL SD-506)
- PROPOSED STORMWATER PIT (REFER CCC DETAIL SD-510)
- PROPOSED GROSS POLLUTANT TRAP
- PROPOSED JELLYFISH
- EXISTING STORMWATER PIPE / CULVERT
- A05/01 EXISTING STORMWATER PIT NAME
- EXISTING KERB INLET PIT
- EXISTING SURFACE INLET PIT
- EXISTING JUNCTION PIT
- PROPOSED SEWER
- APPROX. EXTENT OF PERMANENT WATER IN OVERLAND FLOW CHANNELS (OFC) AND SWALES
- PROPOSED PAVEMENT
- PROPOSED PAVEMENT
- SUPERLOTS HATCH

- NOTES:
- REFER TO SHEET 002 FOR GENERAL NOTES.
 - THE EXISTING SURFACE CONTOURS SHOWN ARE A COMBINATION OF DROME SURVEY, DESIGN SURFACES FOR ADJACENT PRECINCTS, AND NATURAL SURFACE PROVIDED BY ADVISIAN 13/10/17.
 - REFER TO LANDSCAPE ARCHITECT FOR PROPOSED LANDSCAPE CONCEPT DESIGN.
 - LOCATION AND EXTENT OF RETAINING WALLS SUBJECT TO FUTURE DETAILED DESIGN STAGE.
 - GRADING WITHIN LOTS SUBJECT TO FUTURE DETAILED DESIGN STAGE.
 - LOCATION OF PRAM RAMPS TO BE CONFIRMED AT DETAILED DESIGN STAGE.
 - LOCATION OF PROPERTY LOT DRIVEWAYS TO BE CONFIRMED AT DETAILED DESIGN STAGE.
 - SUPERLOTS ARE SUBJECT TO SEPARATE FUTURE DA FOR SUBDIVISION.
 - REFER TO LANDSCAPE ARCHITECTS FOR FORESHORE DESIGN.
 - PRECINCT E T-INTERSECTION TO BE CONVERTED TO ROUNDABOUT (FINAL DESIGN SCENARIO). ROUNDABOUT SPLITTER ISLANDS AND ANNULUS TO BE CONSTRUCTED UNDER PRECINCT F & G WORKS.

03	ADDRESS COUNCIL'S COMMENTS	7/02/2019
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018
Issue	Description	Date



Client

**FRASERS
PROPERTY**

Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1:250	Current Issue Signatures
Original Size	A1	Drawn M. McDONALD
Height Datum	AHD	Designed GEVERETT
Grid	MGA	Checked
File Name	F:\04-10006310-nsd-CivilWorksAndStormwaterDrainagePlans\Sheet4.dwg	
Date Plotted	8 Feb 2019 - 05:48PM	
File Name	F:\04-10006310-nsd-CivilWorksAndStormwaterDrainagePlans\Sheet4.dwg	

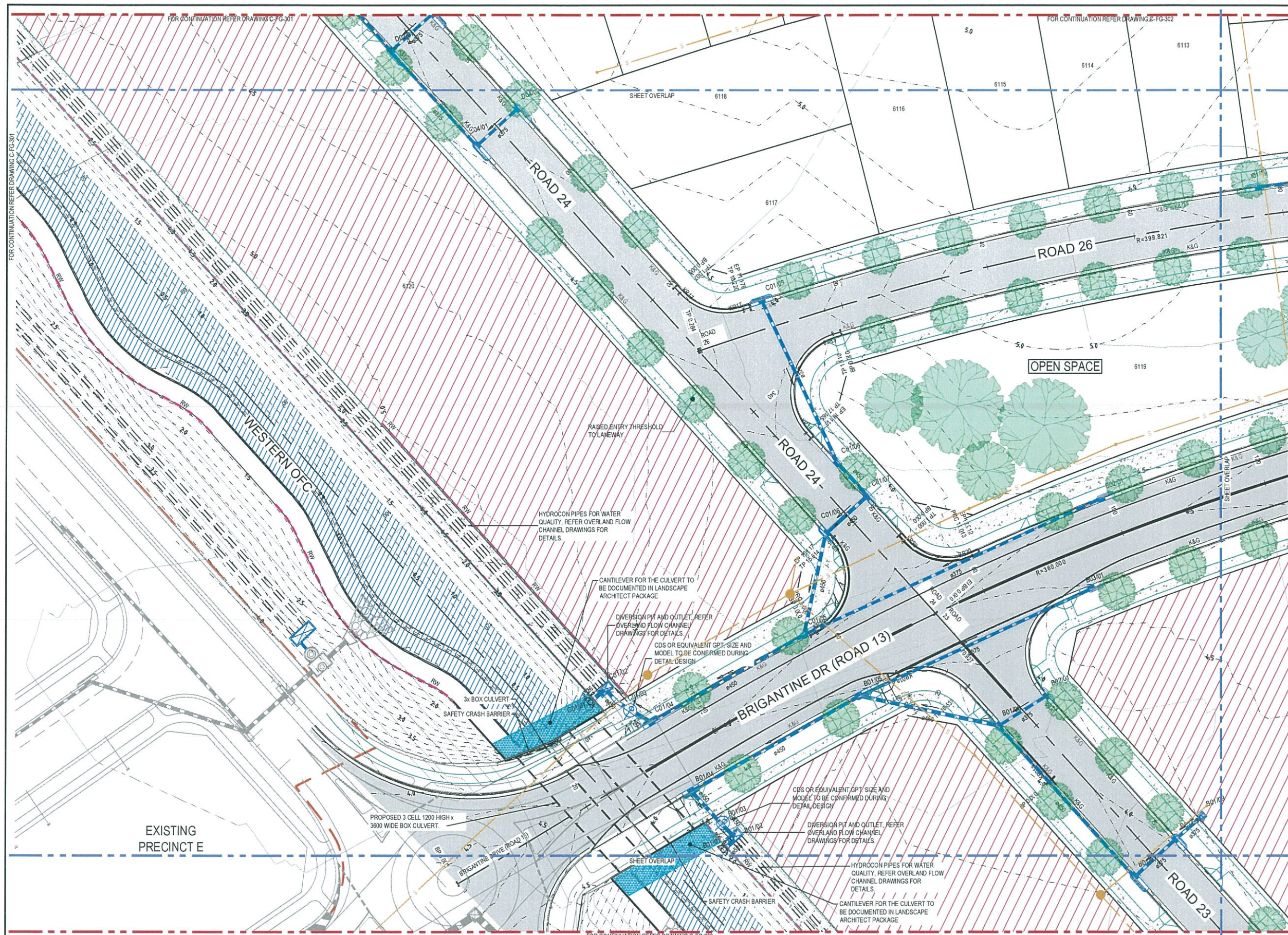
Project	SHELL COVE PRECINCT F AND G AND WETLAND 08	
Title	CIVIL WORKS AND STORMWATER DRAINAGE PLANS SHEET 4	

ARCADIS

Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289

Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No.	Project No.	Issue
C-FG-304	10006310	03

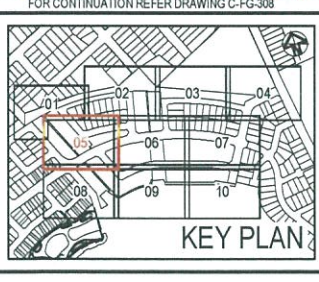
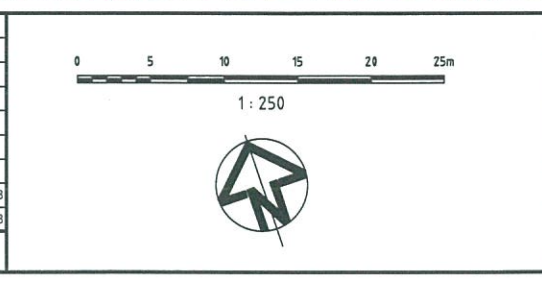


SITeworks & STORMwater LEGEND

- 60.0 PROPOSED CONTOURS (0.25m INTERVALS)
- 60.0 EXISTING CONTOURS (0.25m INTERVALS)
- STAGE BOUNDARY/LIMIT OF WORKS
- RW PROPOSED RETAINING WALL
- PART 3A BOUNDARY
- COMMUNITY LAND BOUNDARY
- K&G PROPOSED BARRIER KERB (REFER SCC DETAIL 7B21 SHEET 2)
- MK PROPOSED MEDIAN KERB
- DD PROPOSED DISH DRAIN
- PRAM RAMP (REFER SCC DETAIL 7B21 SHEET 1)
- PROPOSED TREE
- OUTLET WITH ENERGY DISSIPATOR / SCOUR PROTECTION
- PROPOSED STORMWATER DRAINAGE
- EXISTING STORMWATER DRAINAGE
- HYDROCON PIPES
- A06/01 PROPOSED PIT NUMBER
- PROPOSED STORMWATER PIPE / CULVERT
- PROPOSED KERB INLET STORMWATER PIT (REFER CCC DETAIL SD-S06)
- PROPOSED STORMWATER PIT (REFER CCC DETAIL SD-S10)
- PROPOSED GROSS POLLUTANT TRAP
- PROPOSED JELLYFISH
- EXISTING STORMWATER PIPE / CULVERT
- A06/01 EXISTING STORMWATER PIT NAME
- EXISTING KERB INLET PIT
- EXISTING SURFACE INLET PIT
- EXISTING JUNCTION PIT
- PROPOSED SEWER
- APPROX. EXTENT OF PERMANENT WATER IN OVERLAND FLOW CHANNELS (OFC) AND SWALES
- PROPOSED PAVEMENT
- PROPOSED PAVEMENT
- SUPERLOTS HATCH

- ## NOTES:
- REFER TO SHEET 002 FOR GENERAL NOTES.
 - THE EXISTING SURFACE CONTOURS SHOWN ARE A COMBINATION OF DRONE SURVEY, DESIGN SURFACES FOR ADJACENT PRECINCTS, AND NATURAL SURFACE PROVIDED BY ADVISIAN 13/10/17.
 - REFER TO LANDSCAPE ARCHITECT FOR PROPOSED LANDSCAPE CONCEPT DESIGN.
 - LOCATION AND EXTENT OF RETAINING WALLS SUBJECT TO FUTURE DETAILED DESIGN STAGE.
 - GRADING WITHIN LOTS SUBJECT TO FUTURE DETAILED DESIGN STAGE.
 - LOCATION OF PRAM RAMP TO BE CONFIRMED AT DETAILED DESIGN STAGE.
 - LOCATION OF PROPERTY LOT DRIVEWAYS TO BE CONFIRMED AT DETAILED DESIGN STAGE.
 - SUPERLOTS ARE SUBJECT TO SEPARATE FUTURE DA FOR SUBDIVISION.
 - REFER TO LANDSCAPE ARCHITECTS FOR FORESHORE DESIGN.
 - PRECINCT E T-INTERSECTION TO BE CONVERTED TO ROUNDABOUT (FINAL DESIGN SCENARIO), ROUNDABOUT SPLITTER ISLANDS AND ANNULUS TO BE CONSTRUCTED UNDER PRECINCT F & G WORKS.

Issue	Description	Date
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018

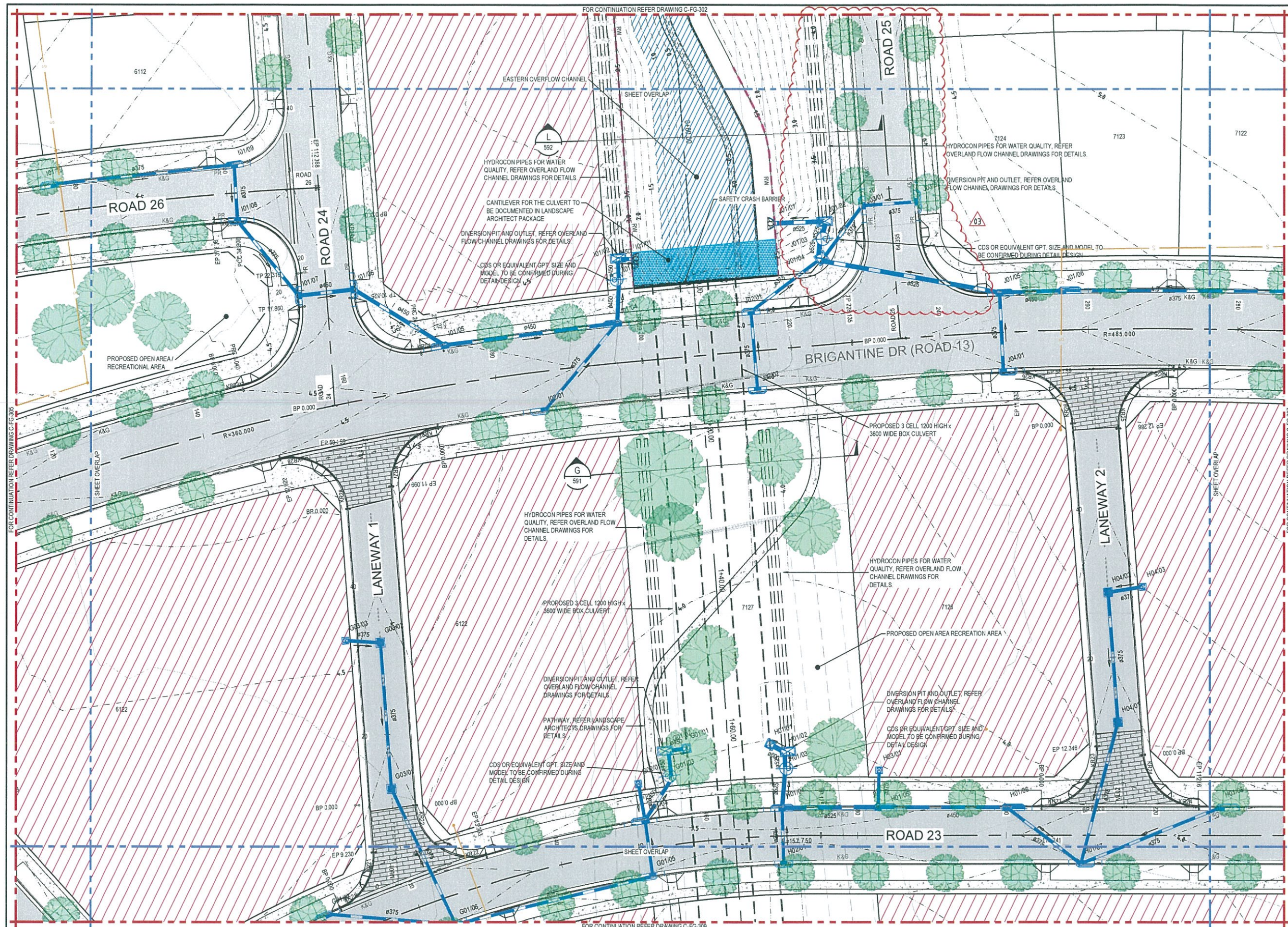


Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1:250	Current Issue Signatures
Original Size	A1	Drawn M McDONALD
Height	AHD	Designed G EVERETT
Datum		Checked
Grid	MGA	Approved

Project	SHELL COVE PRECINCT F AND G AND WETLAND 08	
Title	CIVIL WORKS AND STORMWATER DRAINAGE PLANS SHEET 5	

Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No.	Project No.	Issue
C-FG-305	10006310	02



SITeworks & STORMwater LEGEND

- 60.0 PROPOSED CONTOURS (0.25m INTERVALS)
- 60.0 EXISTING CONTOURS (0.25m INTERVALS)
- STAGE BOUNDARY / LIMIT OF WORKS
- RW PROPOSED RETAINING WALL
- PART 3A BOUNDARY
- COMMUNITY LAND BOUNDARY
- K&G PROPOSED BARRIER KERB (REFER SCC DETAIL 7821 SHEET 2)
- MK PROPOSED MEDIAN KERB
- DD PROPOSED DISH DRAIN
- PRAM RAMP (REFER SCC DETAIL 7821 SHEET 1)
- PROPOSED TREE
- OUTLET WITH ENERGY DISSIPATOR / SCOUR PROTECTION
- PROPOSED STORMWATER DRAINAGE
- EXISTING STORMWATER DRAINAGE
- HYDROCON PIPES
- A0601 PROPOSED PIT NUMBER
- PROPOSED STORMWATER PIPE / CULVERT
- PROPOSED KERB INLET STORMWATER PIT (REFER CCC DETAIL SD-S06)
- PROPOSED STORMWATER PIT (REFER CCC DETAIL SD-S10)
- PROPOSED GROSS POLLUTANT TRAP
- PROPOSED JELLYFISH
- EXISTING STORMWATER PIPE / CULVERT
- A0601 EXISTING STORMWATER PIT NAME
- EXISTING KERB INLET PIT
- EXISTING SURFACE INLET PIT
- EXISTING JUNCTION PIT
- PROPOSED SEWER
- APPROX. EXTENT OF PERMANENT WATER IN OVERLAND FLOW CHANNELS (OFC) AND SWALES
- PROPOSED PAVEMENT
- PROPOSED PAVEMENT
- SUPERLOTS HATCH

- ## NOTES:
- REFER TO SHEET 002 FOR GENERAL NOTES.
 - THE EXISTING SURFACE CONTOURS SHOWN ARE A COMBINATION OF DRONE SURVEY, DESIGN SURFACES FOR ADJACENT PRECINCTS, AND NATURAL SURFACE PROVIDED BY ADVISIAN 13/10/17.
 - REFER TO LANDSCAPE ARCHITECT FOR PROPOSED LANDSCAPE CONCEPT DESIGN.
 - LOCATION AND EXTENT OF RETAINING WALLS SUBJECT TO FUTURE DETAILED DESIGN STAGE.
 - GRADING WITHIN LOTS SUBJECT TO FUTURE DETAILED DESIGN STAGE.
 - LOCATION OF PRAM RAMPS TO BE CONFIRMED AT DETAILED DESIGN STAGE.
 - LOCATION OF PROPERTY LOT DRIVEWAYS TO BE CONFIRMED AT DETAILED DESIGN STAGE.
 - SUPERLOTS ARE SUBJECT TO SEPARATE FUTURE DA FOR SUBDIVISION.
 - REFER TO LANDSCAPE ARCHITECTS FOR FORESHORE DESIGN.
 - PRECINCT E T-INTERSECTION TO BE CONVERTED TO ROUNDABOUT (FINAL DESIGN SCENARIO). ROUNDABOUT SPLITTER ISLANDS AND ANNULUS TO BE CONSTRUCTED UNDER PRECINCT F & G WORKS.

Issue	Description	Date
03	ADDRESS COUNCIL'S COMMENTS	7/10/2019
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018



Client

Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1: 250	Current Issue Signatures
Original Size	A1	Drawn M.McDONALD
Height Datum	AHD	Designed G.EVERETT
Grid	MGA	Checked
		Approved

Project

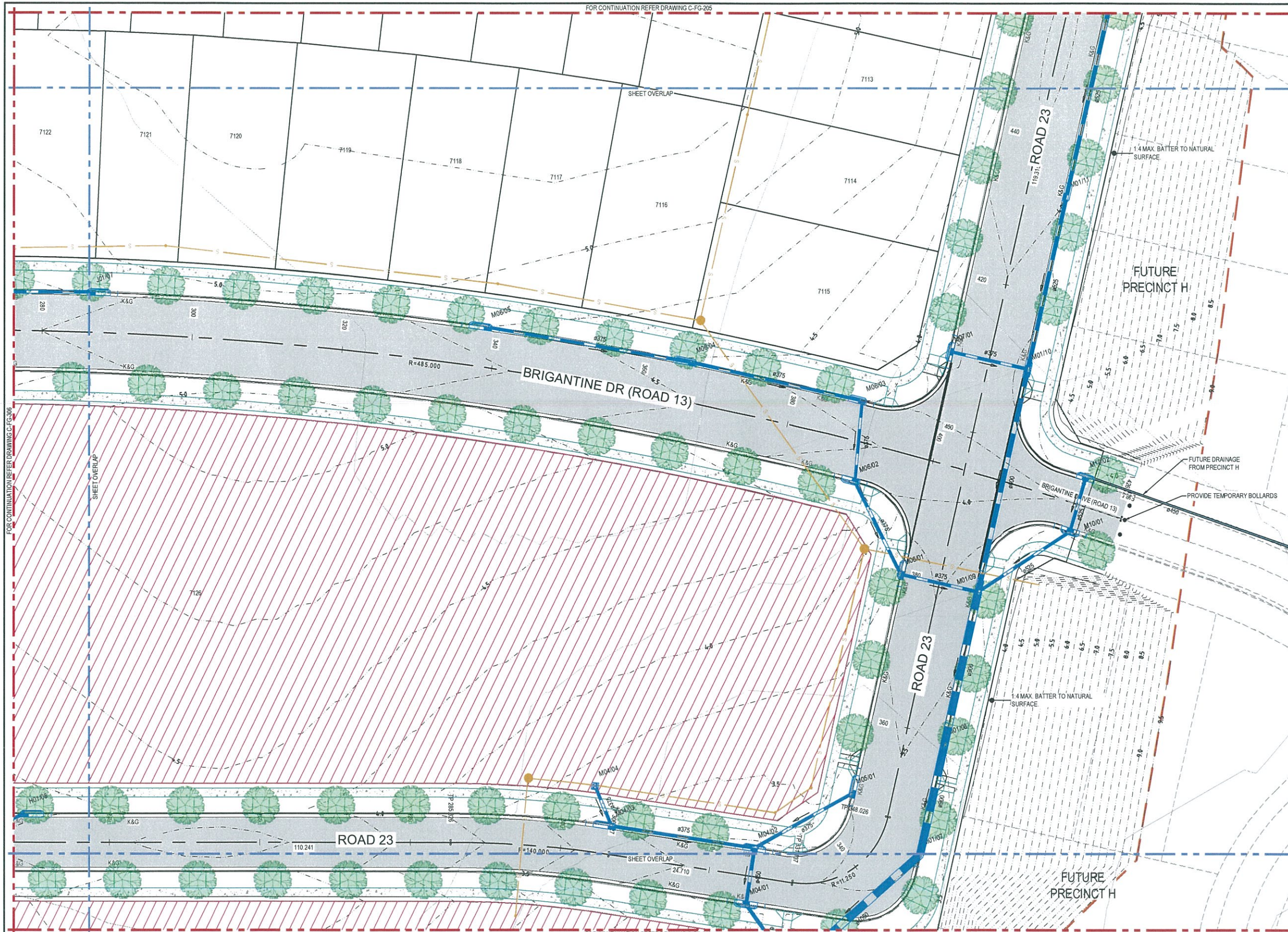
SHELL COVE
PRECINCT F AND G
AND WETLAND 08

Title

CIVIL WORKS AND
STORMWATER DRAINAGE PLANS
SHEET 6

ARCADIS Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No. C-FG-306 Project No. 10006310 Issue 03

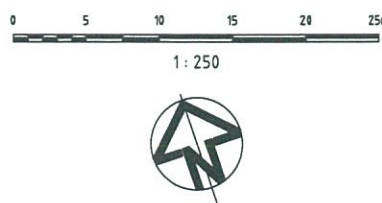


SITeworks & STORMWATER LEGEND

- 60.0 PROPOSED CONTOURS (0.25m INTERVALS)
- 60.0 EXISTING CONTOURS (0.25m INTERVALS)
- STAGE BOUNDARY/LIMIT OF WORKS
- PROPOSED RETAINING WALL
- PART 3A BOUNDARY
- COMMUNITY LAND BOUNDARY
- K&G PROPOSED BARRIER KERB (REFER SCC DETAIL 7B21 SHEET 2)
- MK PROPOSED MEDIAN KERB
- DD PROPOSED DISH DRAIN
- PRAM RAMP (REFER SCC DETAIL 7B21 SHEET 1)
- PROPOSED TREE
- OUTLET WITH ENERGY DISSIPATOR / SCOUR PROTECTION
- PROPOSED STORMWATER DRAINAGE
- EXISTING STORMWATER DRAINAGE
- HYDROCON PIPES
- A06/01 PROPOSED PIT NUMBER
- PROPOSED STORMWATER PIPE / CULVERT
- PROPOSED KERB INLET STORMWATER PIT (REFER CCC DETAIL SD-S06)
- PROPOSED STORMWATER PIT (REFER CCC DETAIL SD-S10)
- PROPOSED GROSS POLLUTANT TRAP
- PROPOSED JELLYFISH
- EXISTING STORMWATER PIPE / CULVERT
- A06/01 EXISTING STORMWATER PIT NAME
- EXISTING KERB INLET PIT
- EXISTING SURFACE INLET PIT
- EXISTING JUNCTION PIT
- PROPOSED SEWER
- APPROX. EXTENT OF PERMANENT WATER IN OVERLAND FLOW CHANNELS (OFC) AND SWALES
- PROPOSED PAVEMENT
- PROPOSED PAVEMENT
- SUPERLOTS HATCH

- ## NOTES:
- REFER TO SHEET 002 FOR GENERAL NOTES.
 - THE EXISTING SURFACE CONTOURS SHOWN ARE A COMBINATION OF DRONE SURVEY, DESIGN SURFACES FOR ADJACENT PRECINCTS, AND NATURAL SURFACE PROVIDED BY ADVISIAN 13/10/17.
 - REFER TO LANDSCAPE ARCHITECT FOR PROPOSED LANDSCAPE CONCEPT DESIGN.
 - LOCATION AND EXTENT OF RETAINING WALLS SUBJECT TO FUTURE DETAILED DESIGN STAGE.
 - GRADING WITHIN LOTS SUBJECT TO FUTURE DETAILED DESIGN STAGE.
 - LOCATION OF PRAM RAMPS TO BE CONFIRMED AT DETAILED DESIGN STAGE.
 - LOCATION OF PROPERTY LOT DRIVEWAYS TO BE CONFIRMED AT DETAILED DESIGN STAGE.
 - SUPERLOTS ARE SUBJECT TO SEPARATE FUTURE DA FOR SUBDIVISION.
 - REFER TO LANDSCAPE ARCHITECTS FOR FORESHORE DESIGN.
 - PRECINCT E T-INTERSECTION TO BE CONVERTED TO ROUNDABOUT (FINAL DESIGN SCENARIO). ROUNDABOUT SPLITTER ISLANDS AND ANNULUS TO BE CONSTRUCTED UNDER PRECINCT F & G WORKS.

Issue	Description	Date
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018



Client

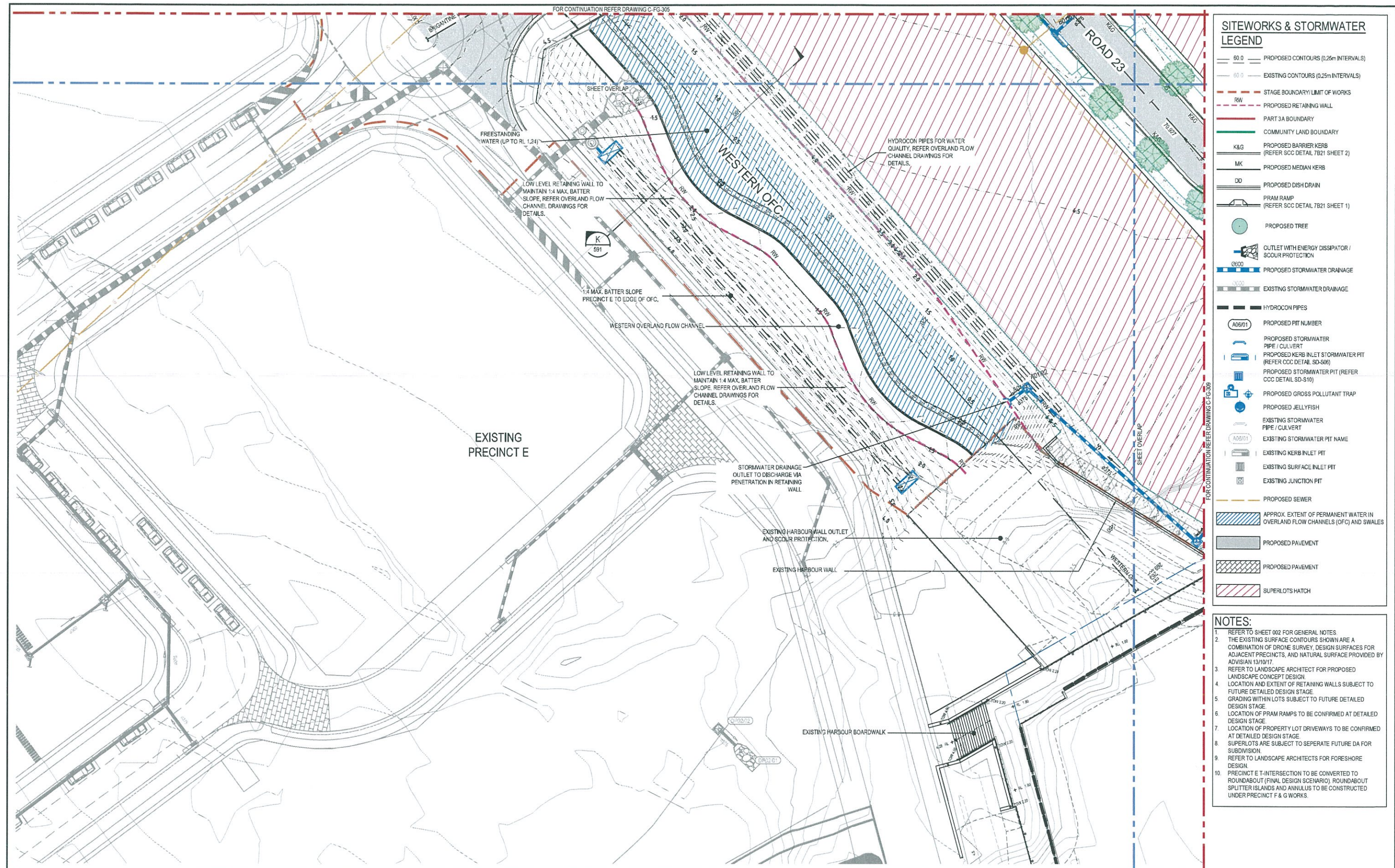
FRASERS
PROPERTY

Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1: 250	Current Issue Signatures
Original Size	A1	Drawn M McDONALD
Height	AHD	Designed G EVERETT
Grid	MGA	Checked
File Name	C:\Users\mcdonald\Documents\10006310-nsd-CivilWorksAndStormwaterDrainagePlans\Sheet7.dwg	

Project	SHELL COVE PRECINCT F AND G AND WETLAND 08	
Title	CIVIL WORKS AND STORMWATER DRAINAGE PLANS SHEET 7	

Arcadis Australia Pacific Pty Limited
Level 15, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No.	Project No.	Issue
C-FG-307	10006310	02



SITeworks & STORMWATER LEGEND

60.0	PROPOSED CONTOURS (0.25m INTERVALS)
60.0	EXISTING CONTOURS (0.25m INTERVALS)
—	STAGE BOUNDARY/LIMIT OF WORKS
RW	PROPOSED RETAINING WALL
—	PART 3A BOUNDARY
—	COMMUNITY LAND BOUNDARY
K&G	PROPOSED BARRIER KERB (REFER SCC DETAIL 7B21 SHEET 2)
MK	PROPOSED MEDIAN KERB
DD	PROPOSED DISH DRAIN
PRAM RAMP	PRAM RAMP (REFER SCC DETAIL 7B21 SHEET 1)
●	PROPOSED TREE
□	OUTLET WITH ENERGY DISSIPATOR / SCOUR PROTECTION
—	PROPOSED STORMWATER DRAINAGE
—	EXISTING STORMWATER DRAINAGE
—	HYDROCON PIPES
A06/01	PROPOSED PIT NUMBER
—	PROPOSED STORMWATER PIPE / CULVERT
—	PROPOSED KERB INLET STORMWATER PIT (REFER CCC DETAIL SD-S06)
—	PROPOSED STORMWATER PIT (REFER CCC DETAIL SD-S10)
—	PROPOSED GROSS POLLUTANT TRAP
—	PROPOSED JELLYFISH
—	EXISTING STORMWATER PIPE / CULVERT
A06/01	EXISTING STORMWATER PIT NAME
—	EXISTING KERB INLET PIT
—	EXISTING SURFACE INLET PIT
—	EXISTING JUNCTION PIT
—	PROPOSED SEWER
—	APPROX. EXTENT OF PERMANENT WATER IN OVERLAND FLOW CHANNELS (OFC) AND SWALES
—	PROPOSED PAVEMENT
—	PROPOSED PAVEMENT
—	SUPERLOTS HATCH

- ### NOTES:
- REFER TO SHEET 002 FOR GENERAL NOTES.
 - THE EXISTING SURFACE CONTOURS SHOWN ARE A COMBINATION OF DRONE SURVEY, DESIGN SURFACES FOR ADJACENT PRECINCTS, AND NATURAL SURFACE PROVIDED BY ADVISIAN 13/10/17.
 - REFER TO LANDSCAPE ARCHITECT FOR PROPOSED LANDSCAPE CONCEPT DESIGN.
 - LOCATION AND EXTENT OF RETAINING WALLS SUBJECT TO FUTURE DETAILED DESIGN STAGE.
 - GRADING WITHIN LOTS SUBJECT TO FUTURE DETAILED DESIGN STAGE.
 - LOCATION OF PRAM RAMPS TO BE CONFIRMED AT DETAILED DESIGN STAGE.
 - LOCATION OF PROPERTY LOT DRIVEWAYS TO BE CONFIRMED AT DETAILED DESIGN STAGE.
 - SUPERLOTS ARE SUBJECT TO SEPARATE FUTURE DA FOR SUBDIVISION.
 - REFER TO LANDSCAPE ARCHITECTS FOR FORESHORE DESIGN.
 - PRECINCT E T-INTERSECTION TO BE CONVERTED TO ROUNDABOUT (FINAL DESIGN SCENARIO). ROUNDABOUT SPLITTER ISLANDS AND ANNULUS TO BE CONSTRUCTED UNDER PRECINCT F & G WORKS.

Issue	Description	Date
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018

0 5 10 15 20 25m

1: 250

KEY PLAN

Client

FRASERS
PROPERTY

Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1: 250	Current Issue Signatures
Original Size	A1	Drawn M McDONALD
Height Datum	AHD	Designed G EVERETT
Grid	MGA	Checked
Approved		

Project

SHELL COVE
PRECINCT F AND G
AND WETLAND 08

Title

CIVIL WORKS AND
STORMWATER DRAINAGE PLANS
SHEET 8

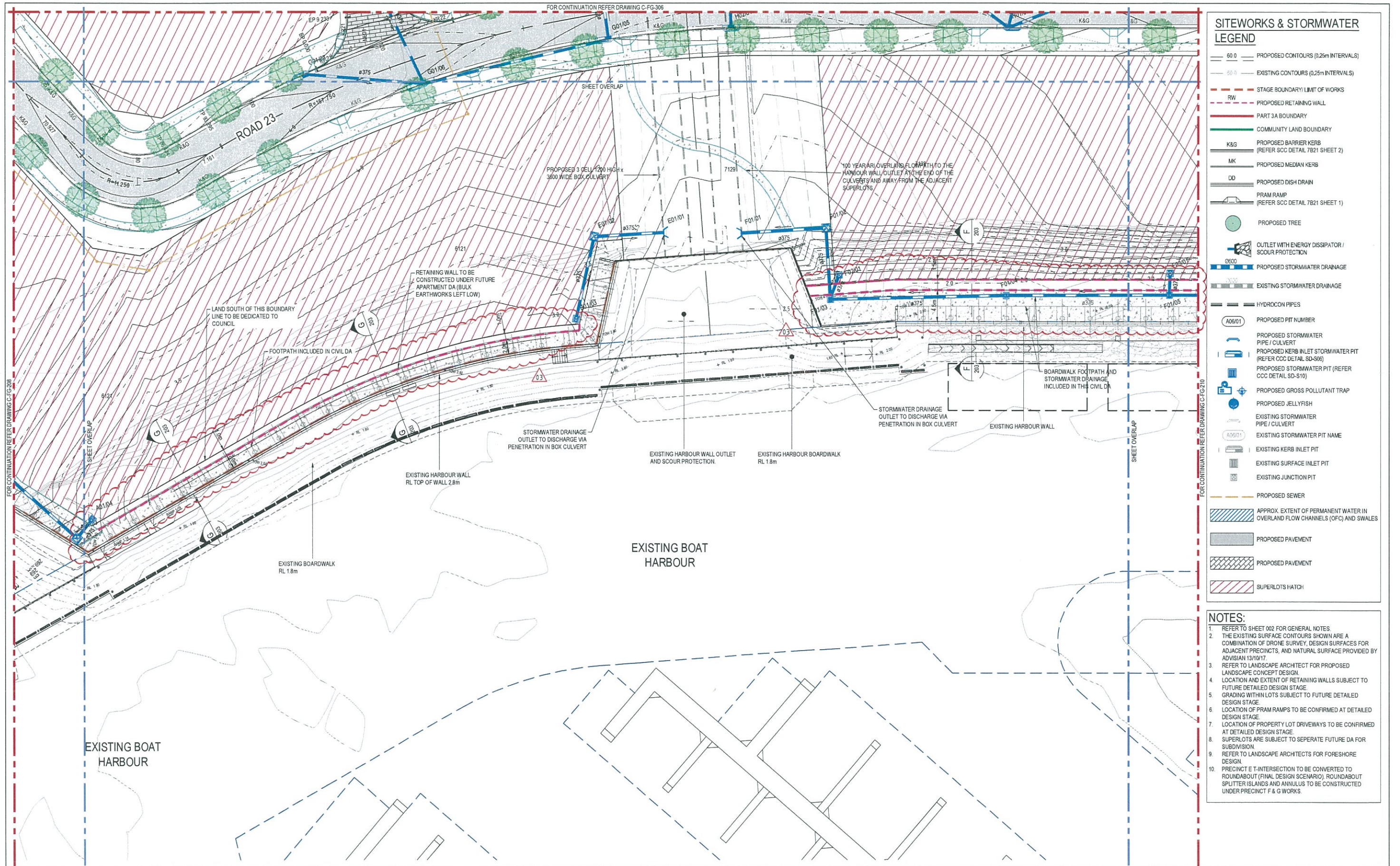
Arcadis Australia Pacific Pty Limited
Level 15, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No.

Project No.

Issue

C-FG-308 — 10006310 — 02



Issue	Description	Date
03	ADDRESS COUNCIL'S COMMENTS	7/02/2019
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018

0 5 10 15 20 25m

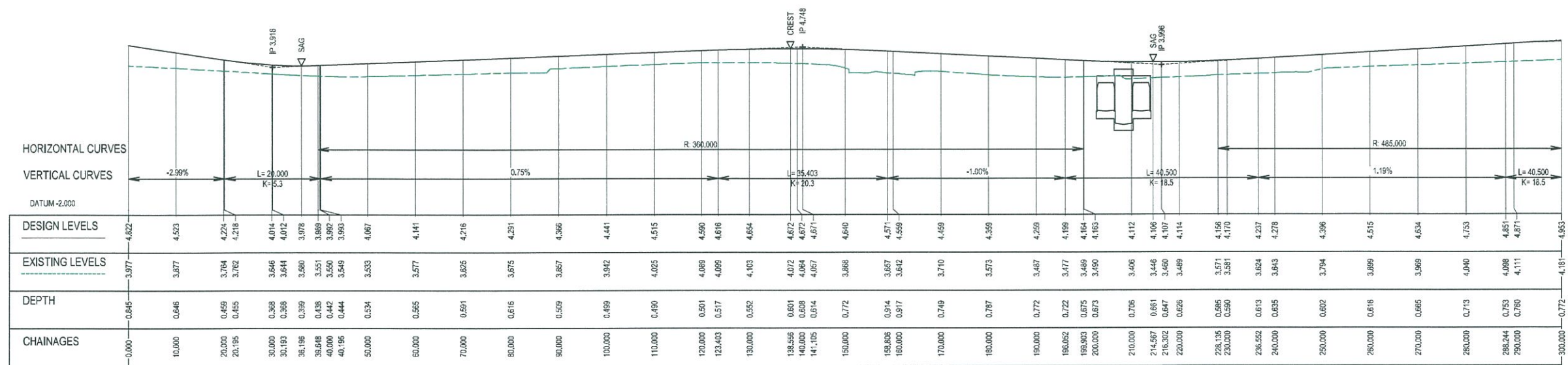
1 : 250



Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1 : 250	Current Issue Signatures
Original Size	A1	Designed M. McDONALD
Height Datum	AHD	Checked G. EVERETT
Grid	MGA	Approved
File Name	C:\Users\mcdonald\Documents\10006310-nsd-CivilWorksAndStormwaterDrainagePlans\Sheet9.dwg	
Date Plotted	5 Feb 2019 - 07:02PM	
File Name	F:\A006310\E-CAD\Civil\08-Final\C-Precinct F And G\10006310-nsd-CivilWorksAndStormwaterDrainagePlans\Sheet9.dwg	

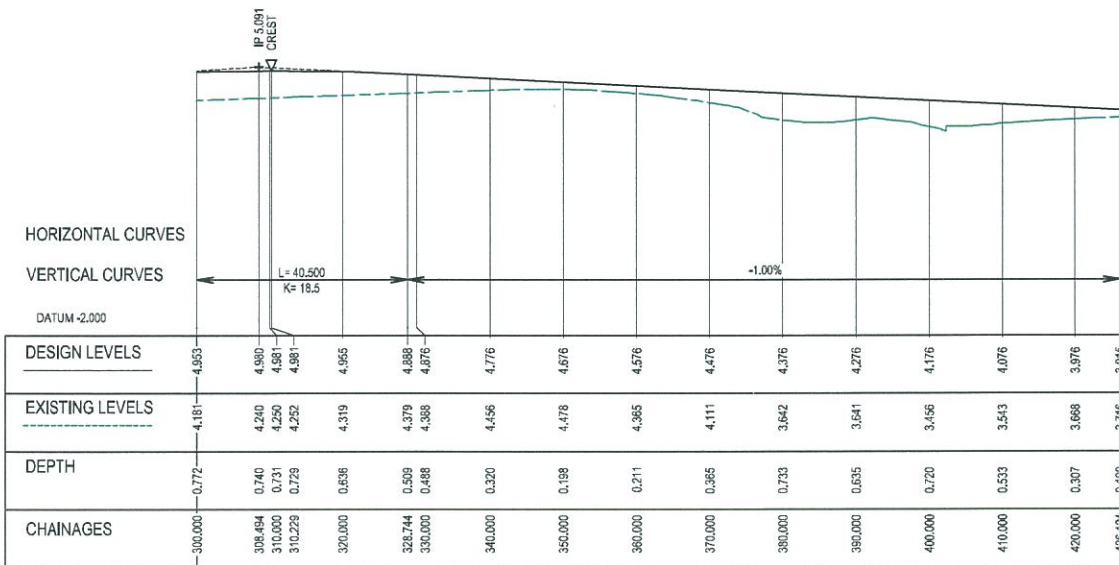
Project	SHELL COVE PRECINCT F AND G AND WETLAND 08	
Title	CIVIL WORKS AND STORMWATER DRAINAGE PLANS SHEET 9	

Arcadis Australia Pacific Pty Limited Level 16, 580 George Street SYDNEY NSW 2000 ABN 76 104 485 289		
Tel No: +61 2 8907 9000 Fax No: +61 2 8907 9001 arcadis.com		
Drawing No.	Project No.	Issue
C-FG-309	10006310	03



BRIGANTINE DRIVE (ROAD 13) LONGITUDINAL SECTION

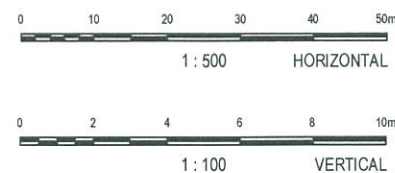
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



BRIGANTINE DRIVE (ROAD 13) LONGITUDINAL SECTION

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018
Issue	Description	Date



Client



Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	AS SHOWN	Current Issue Signatures
Original Size	A1	Drawn M McDONALD
Height Datum	AHD	Designed G EVERETT
Grid	MGA	Checked
Filename:	C:\g-321-10006310-nsd-RoadLongitudinalSectionsSheet1.dwg	

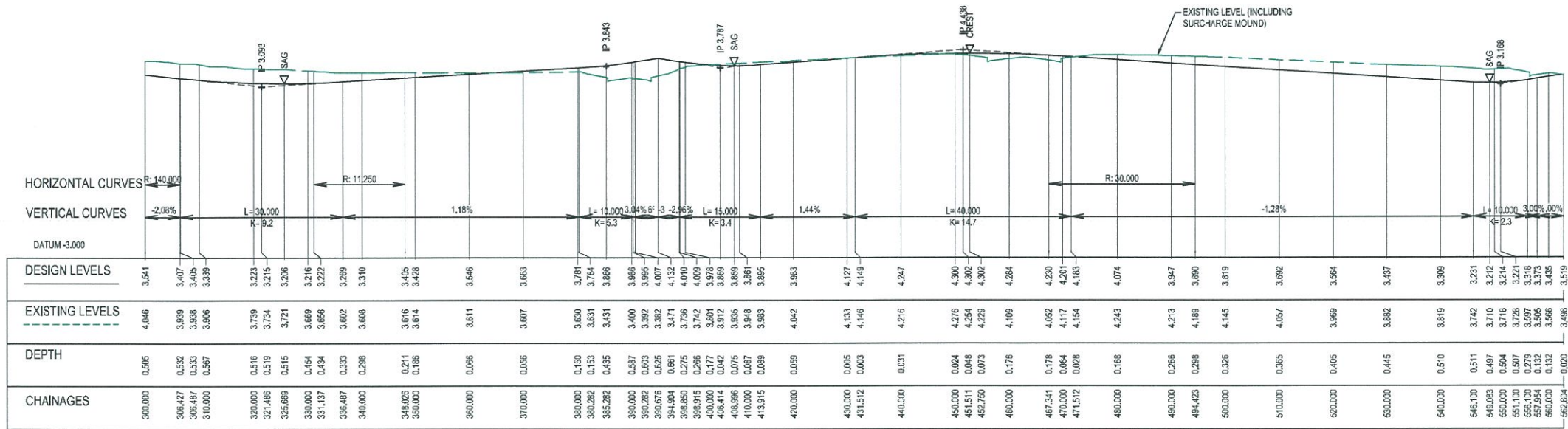
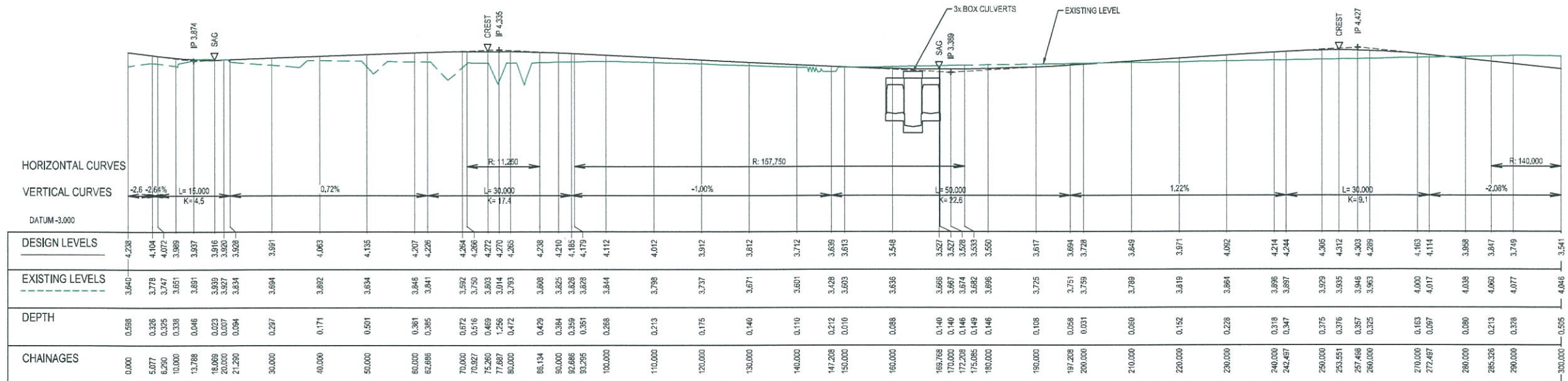
Project
SHELL COVE
PRECINCT F AND G
AND WETLAND 08

Title
ROAD LONGITUDINAL SECTIONS
SHEET 1

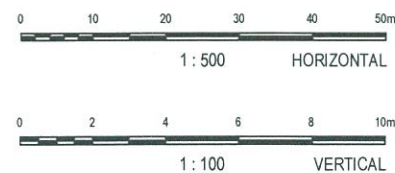


Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No. Project No. Issue
C-FG-321 10006310 02



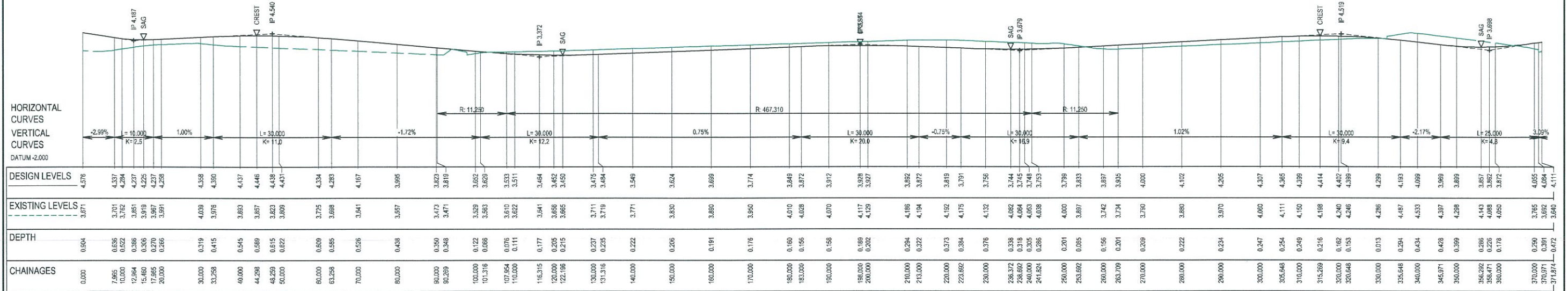
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018
Issue	Description	Date



Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	AS SHOWN	Current Issue Signatures
Original Size	A1	Drawn M McDONALD
Height Datum	AHD	Designed GEVERETT
Grid	MGA	Checked
Filename:	C:\g-322-10006310-nsd-RoadLongitudinalSectionsSheet2.dwg	
Approved		

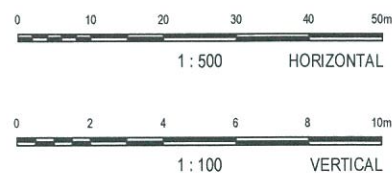
Project	SHELL COVE PRECINCT F AND G AND WETLAND 08	
Title	ROAD LONGITUDINAL SECTIONS SHEET 2	

Arcadis Australia Pacific Pty Limited Level 16, 580 George Street SYDNEY NSW 2000 ABN 76 104 485 289 Tel No: +61 2 8907 9000 Fax No: +61 2 8907 9001 arcadis.com		
Drawing No.	Project No.	Issue
C-FG-322	10006310	02



ROAD 24 LONGITUDINAL SECTION
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018
Issue	Description	Date

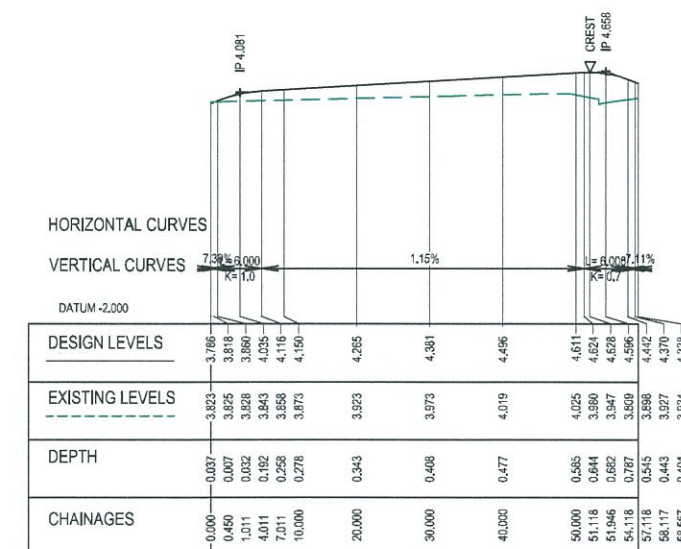
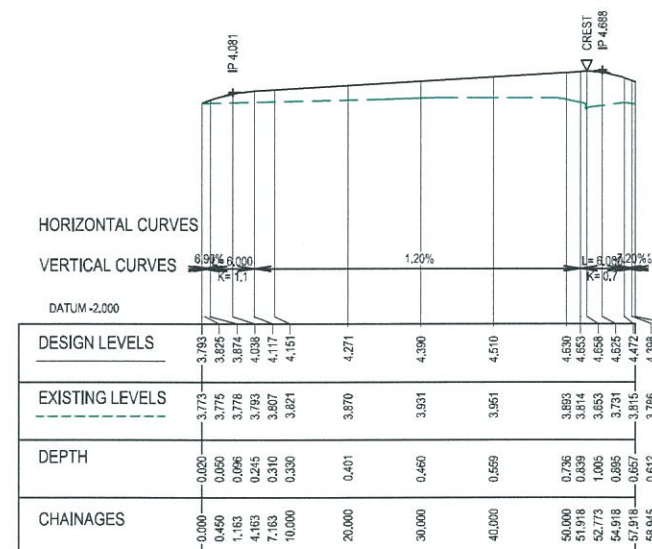
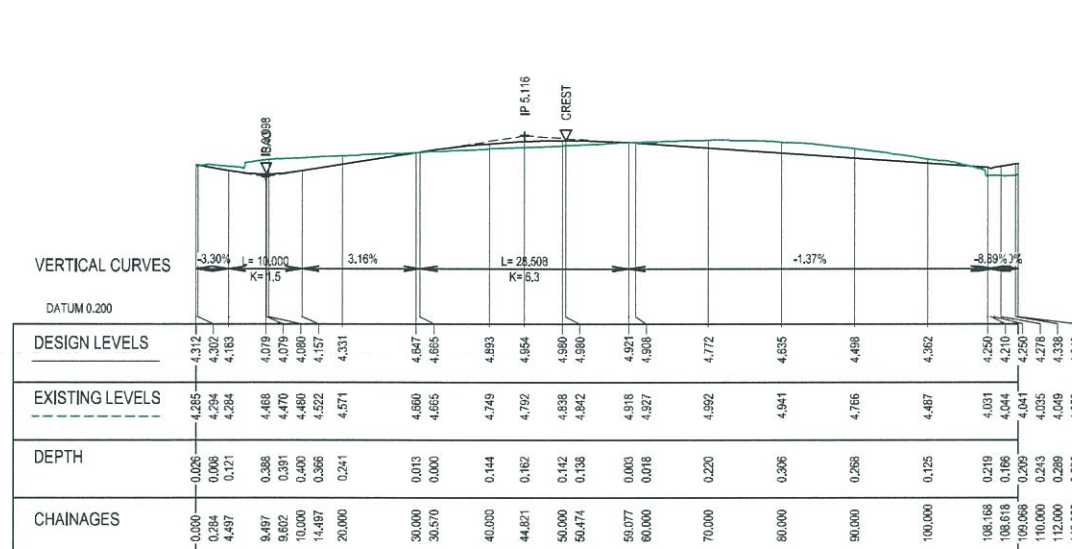
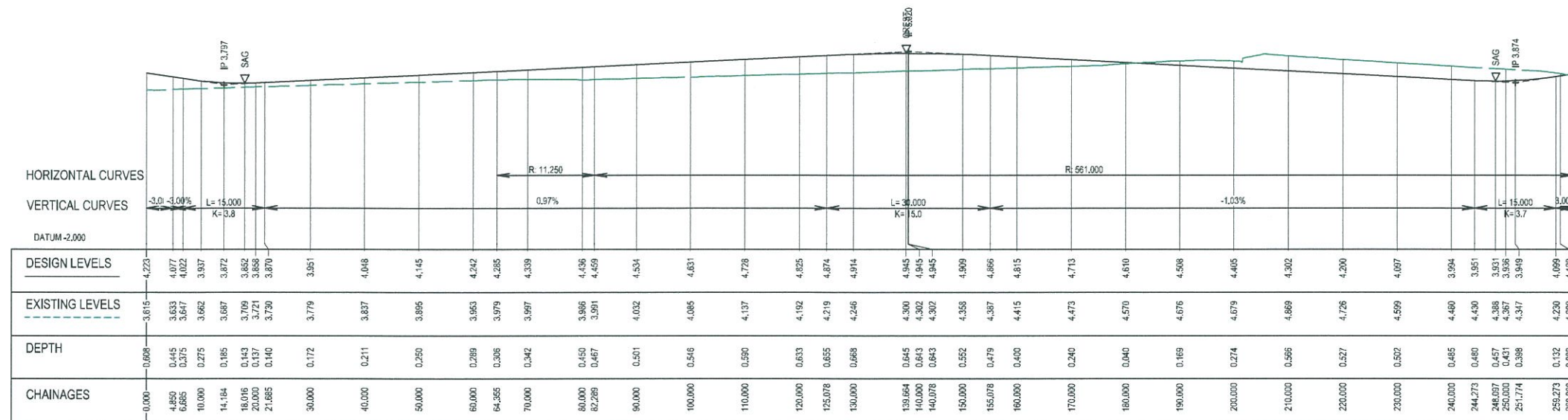


Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION		
Scales	AS SHOWN	Current Issue Signatures	
		Drawn M.McDONALD	
Original Size	A1	Designed GEVERETT	
Height Datum	AHD	Checked	
Grid	MGA	Approved	
Filename: C:\g-323-10006310-nsd-RoadLongitudinalSectionsSheet3.dwg			

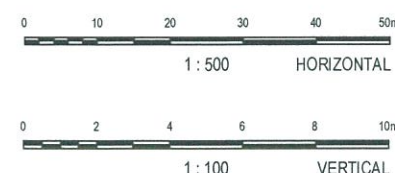
Project	SHELL COVE PRECINCT F AND G AND WETLAND 08	
Title	ROAD LONGITUDINAL SECTIONS SHEET 3	

ARCADIS
Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No.	Project No.	Issue
C-FG-323	10006310	02



02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018
Issue	Description	Date

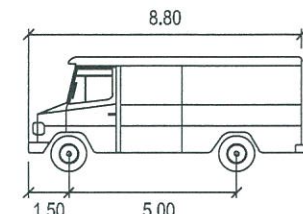
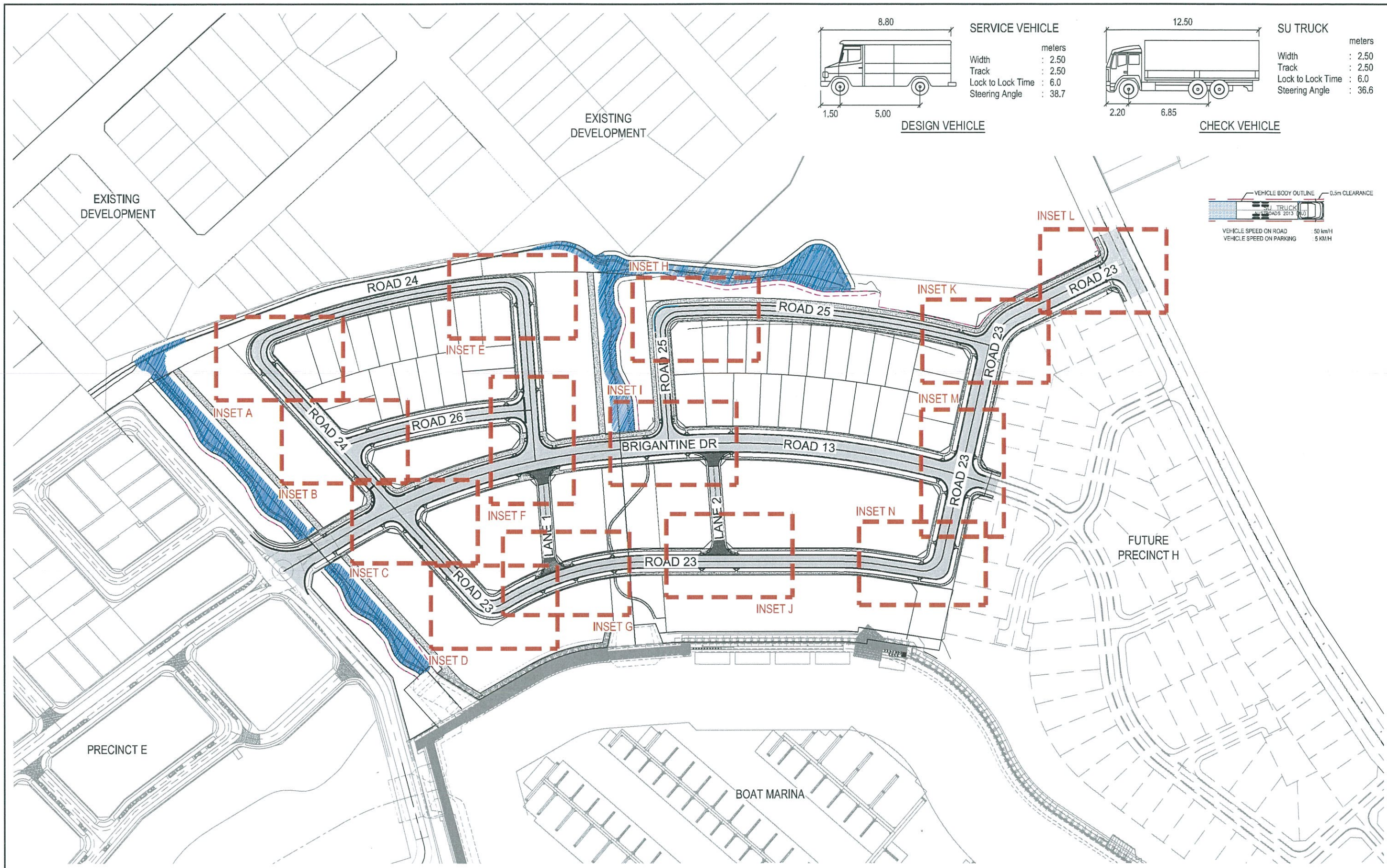


Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	AS SHOWN	Current Issue Signatures
Original Size	A1	Drawn M. McDONALD
Height Datum	AHD	Designed G. EVERETT
Grid	MGA	Checked
File name:	C:\g-324-10006310-nad-Road-LongitudinalSectionsSheet4.dwg	

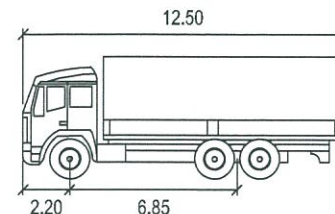
Project	SHELL COVE PRECINCT F AND G AND WETLAND 08	
Title	ROAD LONGITUDINAL SECTIONS SHEET 4	

ARCADIS
 Arcadis Australia Pacific Pty Limited
 Level 16, 580 George Street
 SYDNEY NSW 2000
 ABN 76 104 485 289
 Tel No: +61 2 8907 9000
 Fax No: +61 2 8907 9001
 arcadis.com

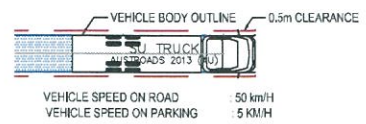
Drawing No. | Project No. | Issue
 C-FG-324 - 10006310 - 02



SERVICE VEHICLE
Width : 2.50
Track : 2.50
Lock to Lock Time : 6.0
Steering Angle : 38.7



SU TRUCK
Width : 2.50
Track : 2.50
Lock to Lock Time : 6.0
Steering Angle : 36.6



Issue	Description	Date
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018



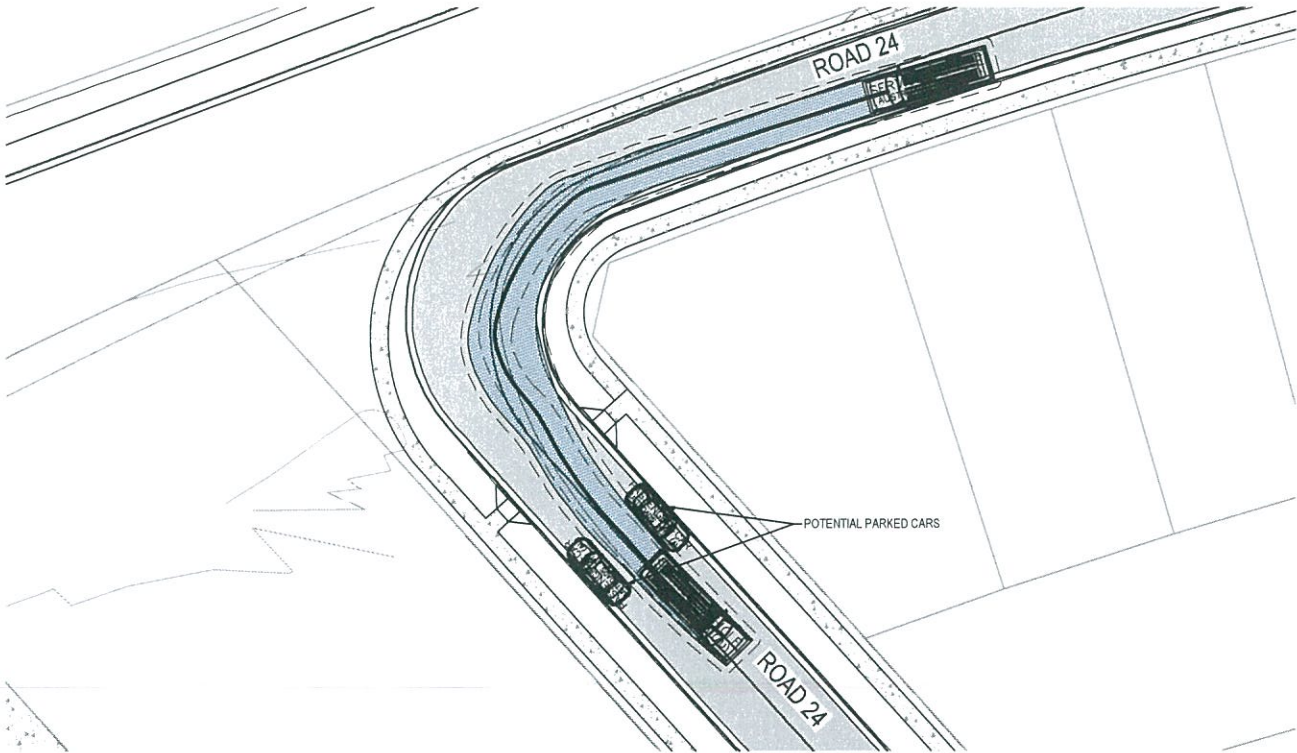
Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1 : 750	Current Issue Signatures
Original Size	A1	Drawn M McDONALD
Height Datum	AHD	Designed G EVERETT
Grid	MGA	Checked
File name:	C:\g-411-10006310-nsd-TurningPathsLayoutPlan.dwg	

Project	SHELL COVE PRECINCT F AND G AND WETLAND 08
Title	TURNING PATHS LAYOUT PLAN

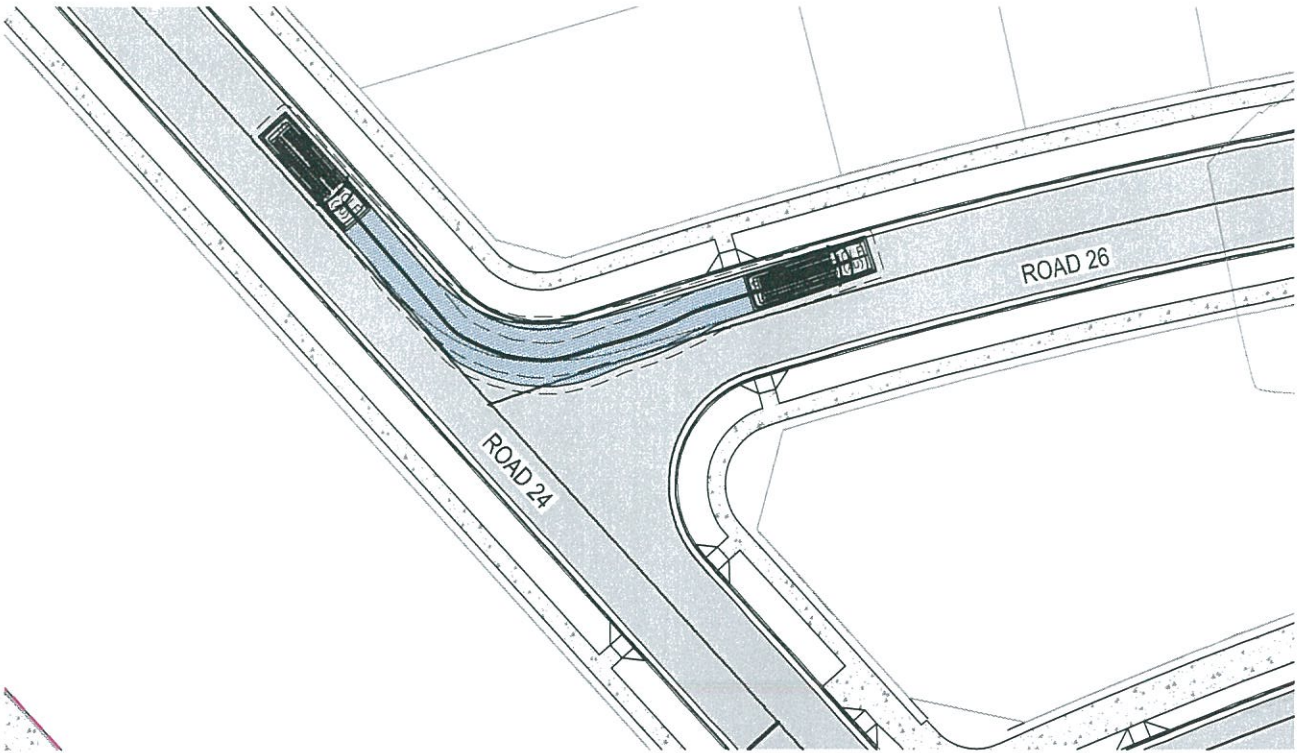
ARCADIS
Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No.	Project No.	Issue
C-FG-411	10006310	02

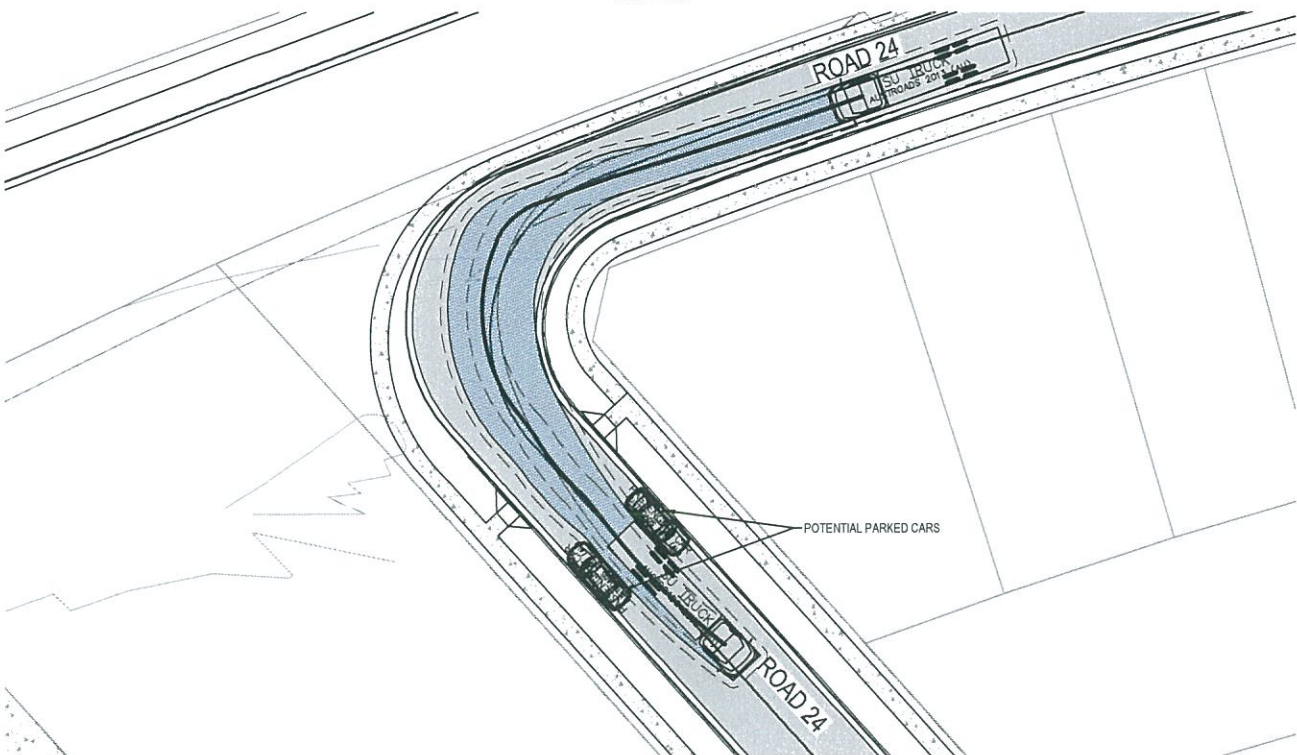
NOTE
1. 8.8m DESIGN VEHICLE AND 12.5m CHECK VEHICLE USED.
REFER TO DWG C-FG-411 FOR VEHICLE PROFILES.



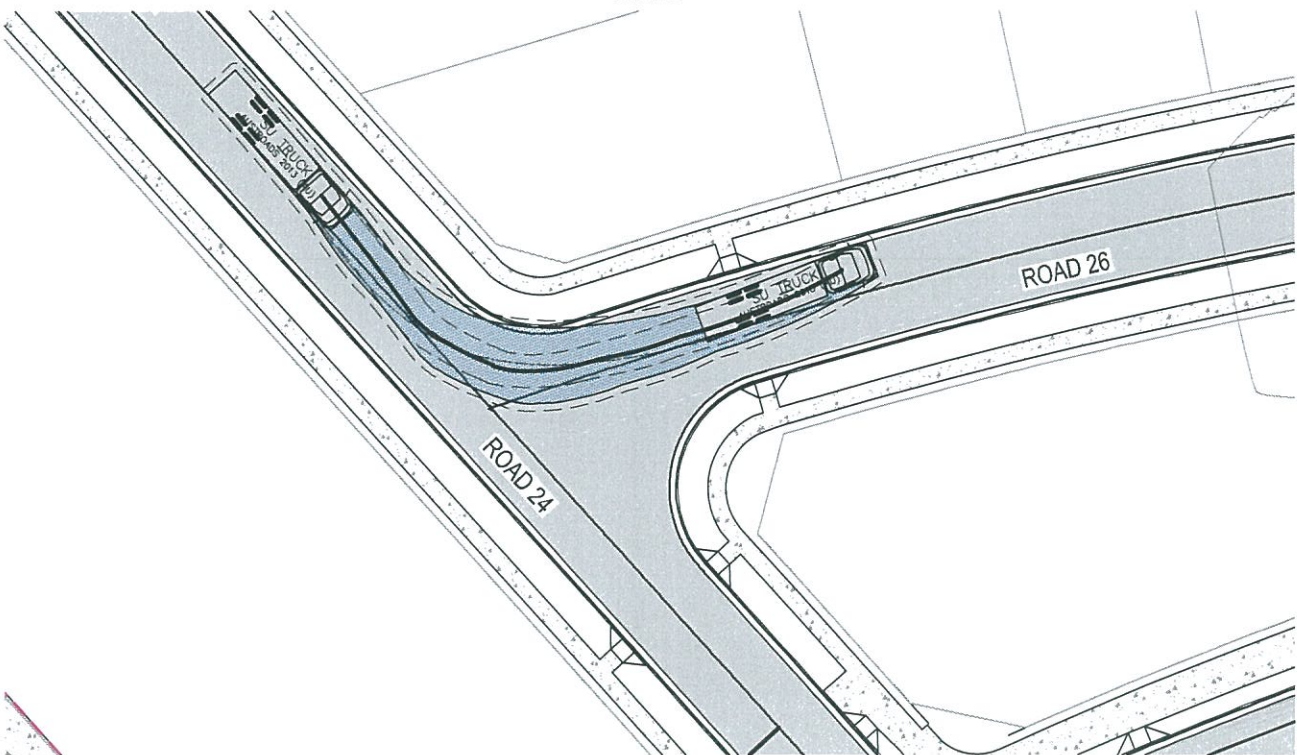
INSET A - ROAD 24
8.8m SERVICE VEHICLE - LEFT TURN AT 5 km/h
SCALE 1 : 250



INSET B - ROAD 24 - ROAD 26
8.8m SERVICE VEHICLE - LEFT IN AT 5 km/h
SCALE 1 : 250



INSET A - ROAD 24
12.5m SU TRUCK - LEFT TURN AT 5 km/h
SCALE 1 : 250



INSET B - ROAD 24 - ROAD 26
12.5m SU TRUCK - LEFT IN AT 5 km/h
SCALE 1 : 250

02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018
Issue	Description	Date



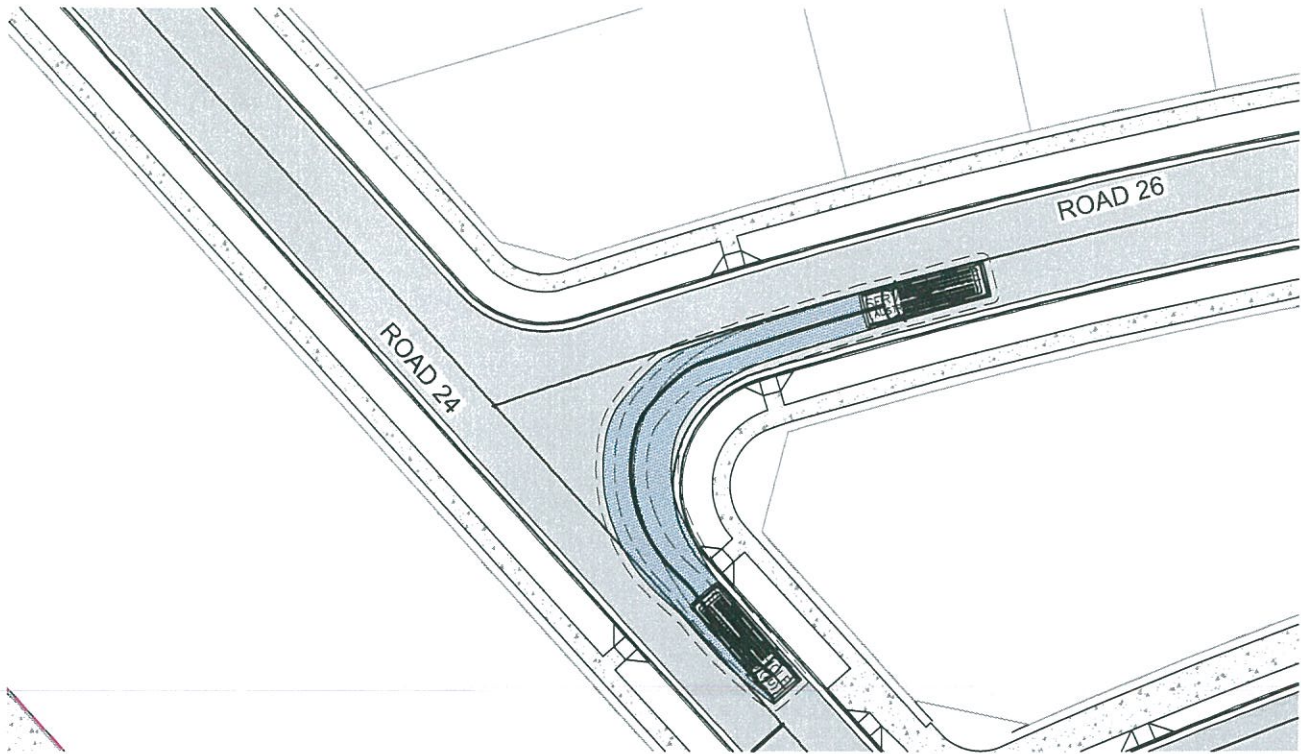
Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1 : 250	Current Issue Signatures
		Drawn M. McDONALD
Original Size	A1	Designed G. EVERETT
Height Datum	AHD	Checked
Grid	MGA	Approved
Filename	C:\g-412-10006310-nsd-TurningPathsSheet1.dwg	

Project	SHELL COVE PRECINCT F AND G AND WETLAND 08	
Title	TURNING PATHS SHEET 1	
	Drawing No.	Project No.
	C-FG-412	10006310

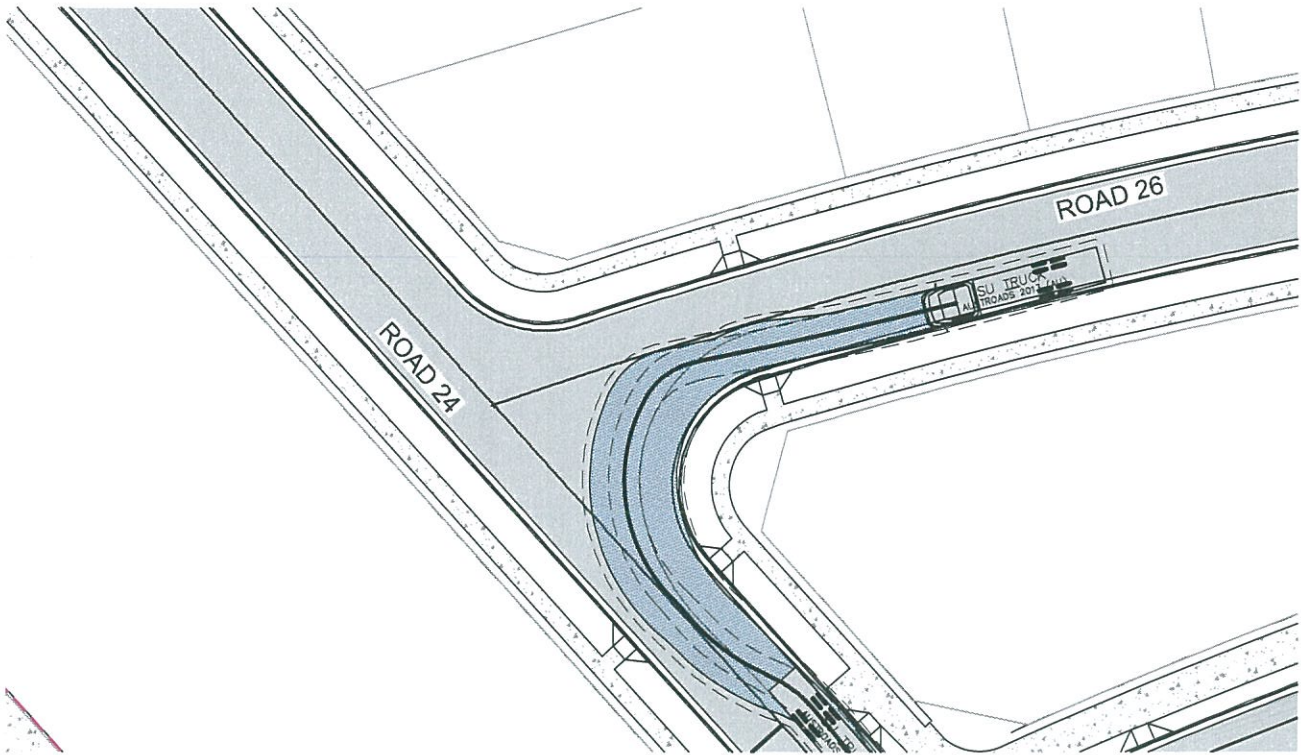
Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No.	Project No.	Issue
C-FG-412	10006310	02

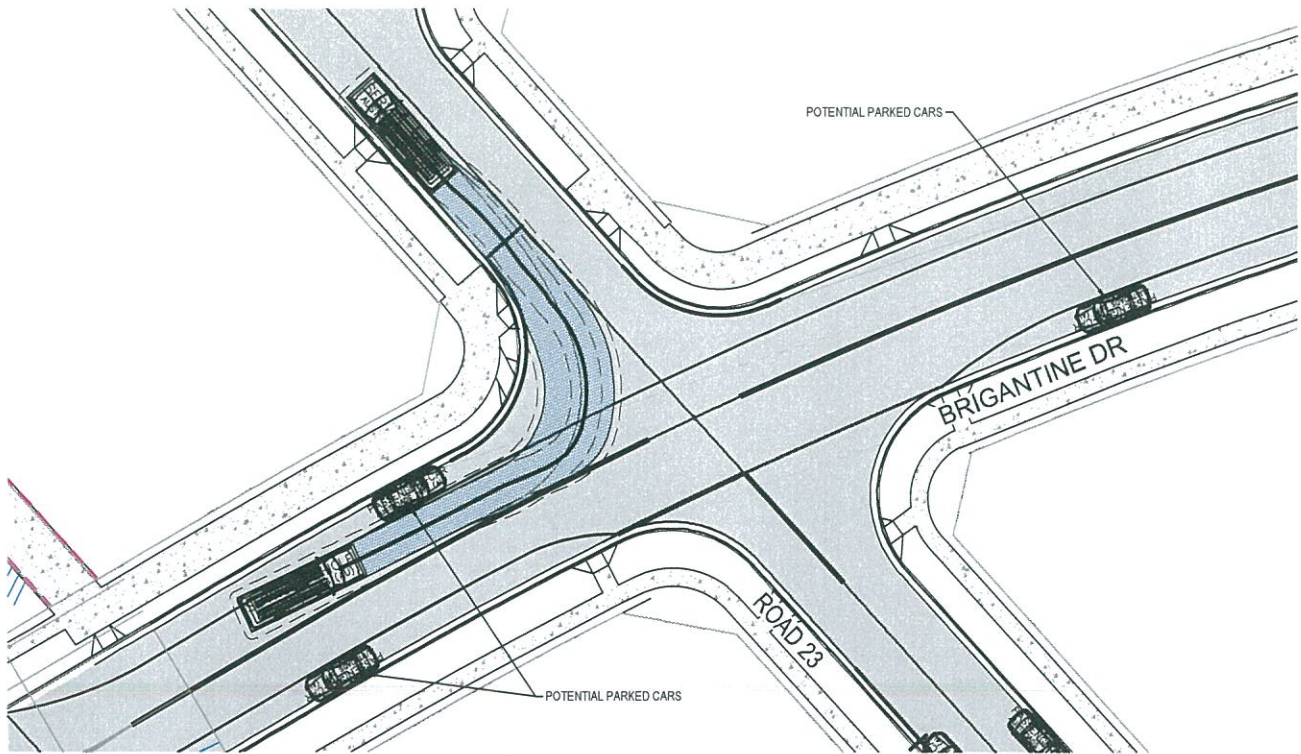
NOTE
1. 8.8m DESIGN VEHICLE AND 12.5m CHECK VEHICLE USED.
REFER TO DWG C-FG-411 FOR VEHICLE PROFILES.



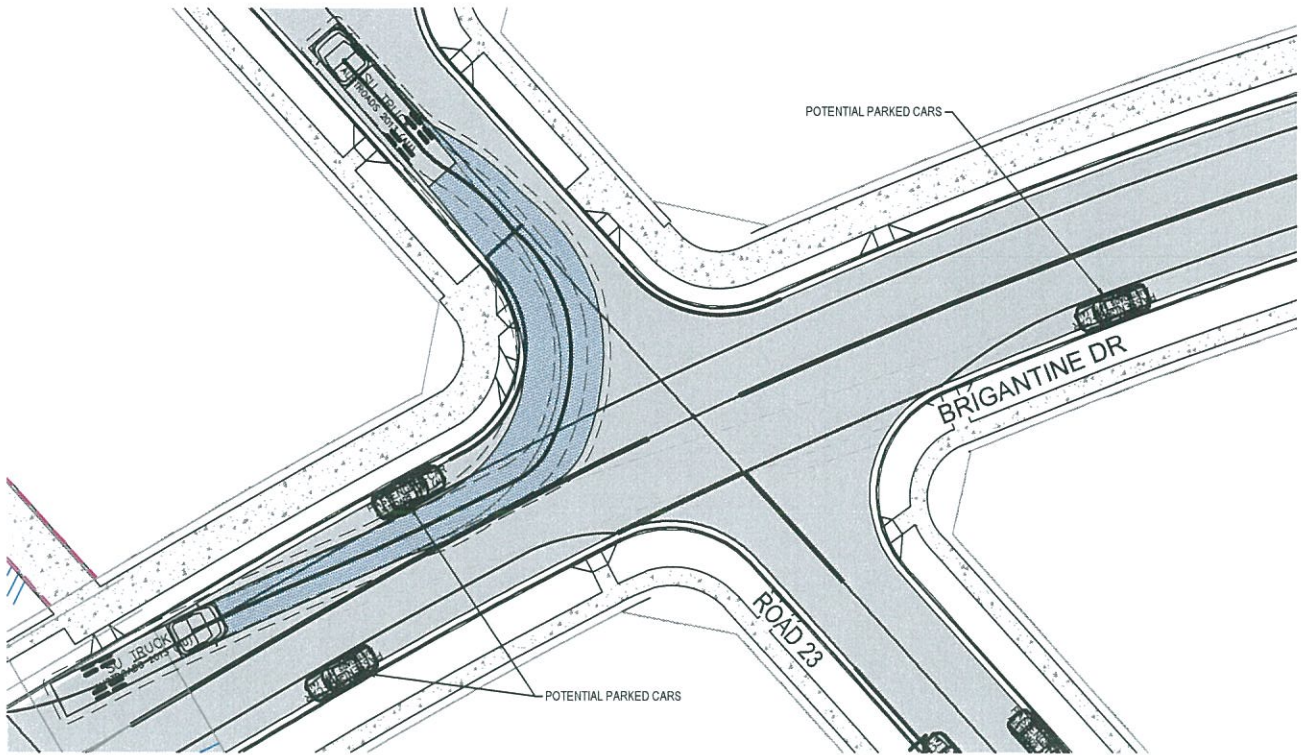
INSET B - ROAD 24 - ROAD 26
8.8m SERVICE VEHICLE - LEFT OUT AT 5 km/h
SCALE 1 : 250



INSET B - ROAD 24 - ROAD 26
12.5m SU TRUCK - LEFT OUT AT 5 km/h
SCALE 1 : 250



INSET C - BRIGANTINE ROAD - ROAD 24
8.8m SERVICE VEHICLE - LEFT IN AT 5 km/h
SCALE 1 : 250



INSET C - BRIGANTINE ROAD - ROAD 24
12.5m SU TRUCK - LEFT IN AT 5 km/h
SCALE 1 : 250

02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018
Issue	Description	Date




Client



**FRASERS
PROPERTY**

Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1 : 250	Current Issue Signatures
Original Size	A1	Drawn M McDONALD
Height Datum	AHD	Designed G EVERETT
Grid	MGA	Checked
Filename	C-fg-413-10006310-rsd-TurningPathsSheet2.dwg	

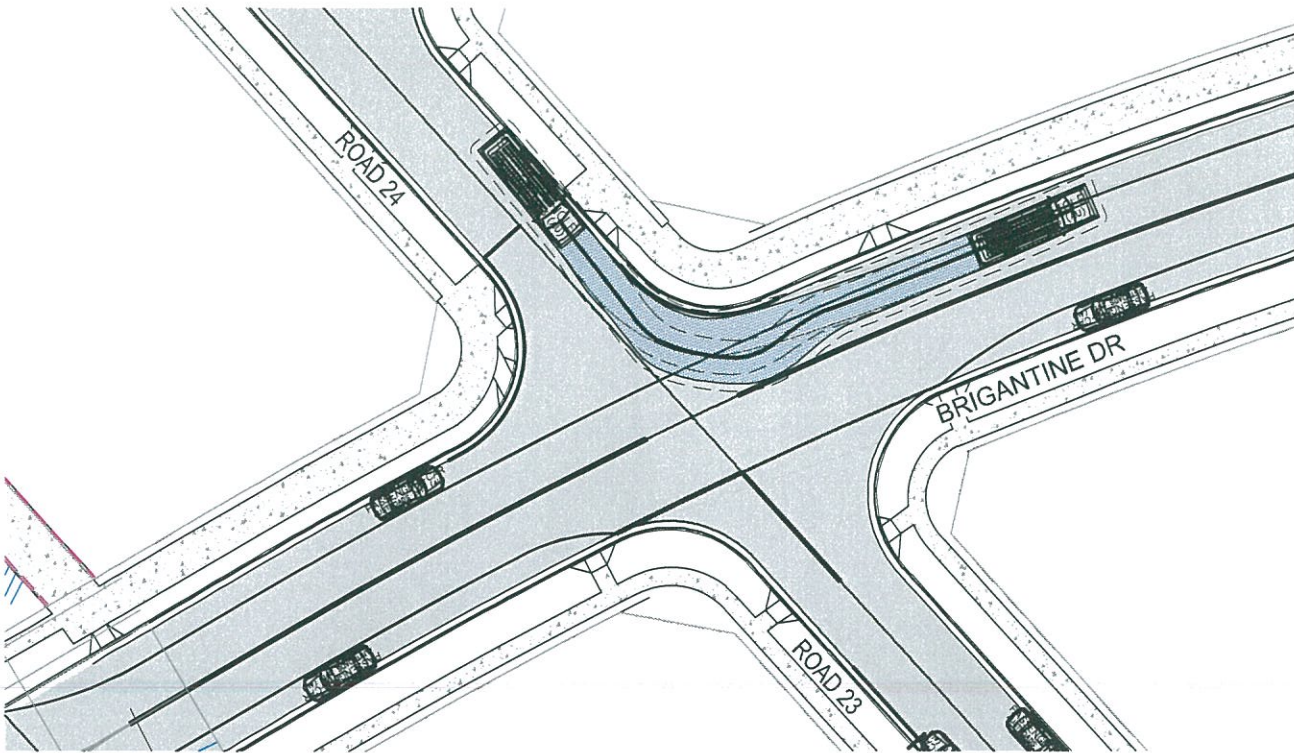
Project	SHELL COVE PRECINCT F AND G AND WETLAND 08
Title	TURNING PATHS SHEET 2



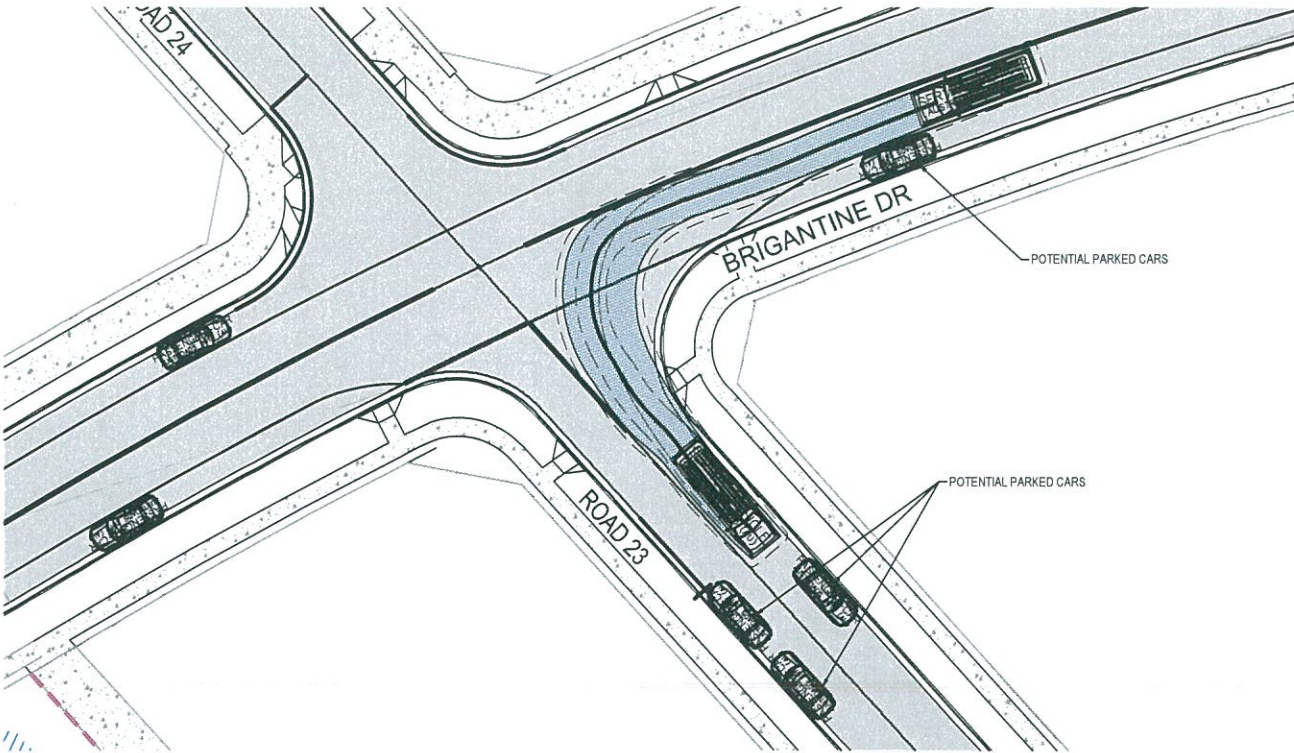
Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No.	Project No.	Issue
C-FG-413	10006310	02

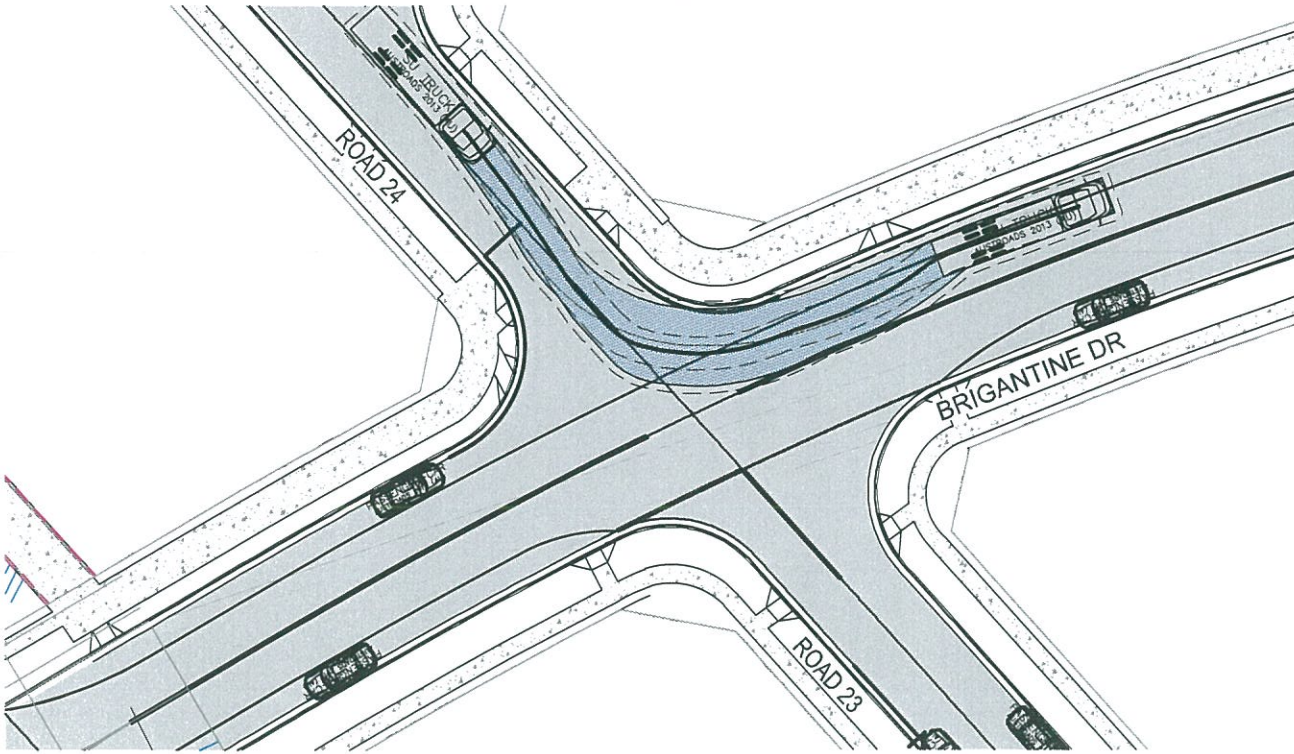
NOTE
1. 8.8m DESIGN VEHICLE AND 12.5m CHECK VEHICLE USED.
REFER TO DWG C-FG-411 FOR VEHICLE PROFILES.



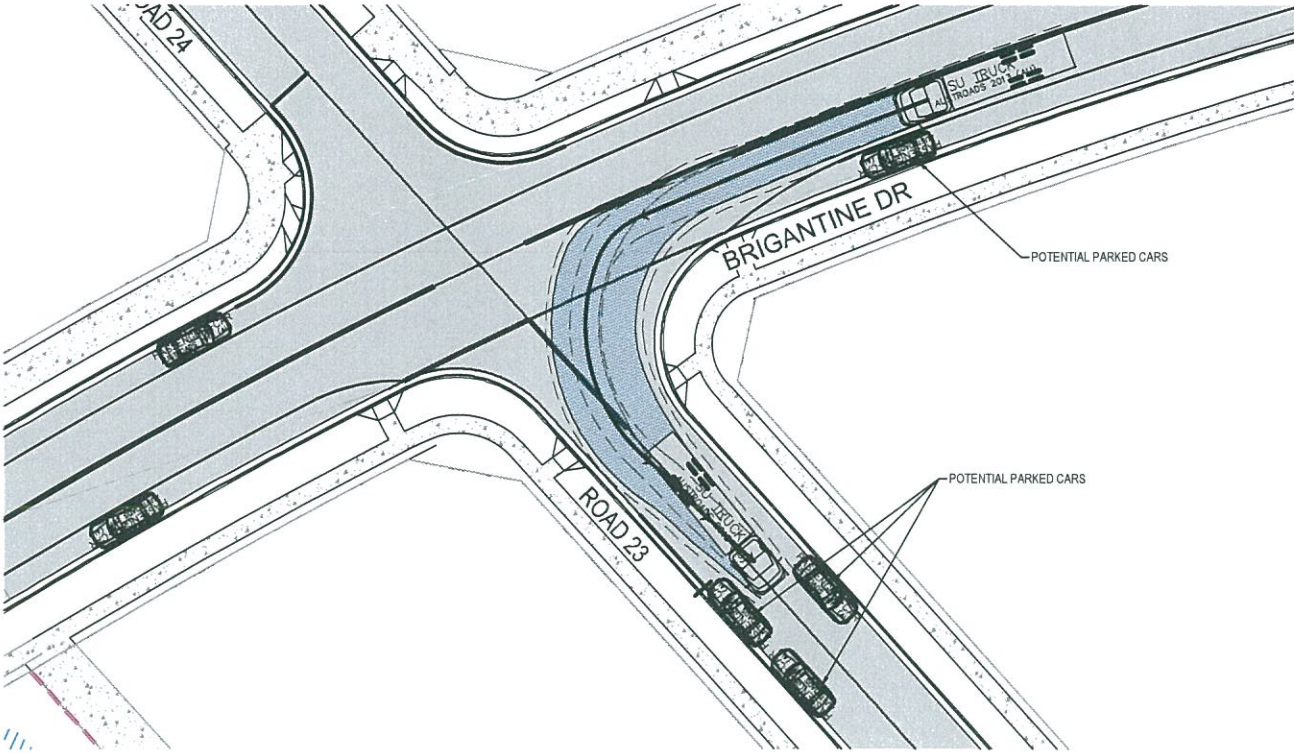
INSET C - BRIGANTINE ROAD - ROAD 24
8.8m SERVICE VEHICLE - LEFT IN AT 5 km/h
SCALE 1 : 250



INSET C - BRIGANTINE ROAD - ROAD 23
8.8m SERVICE VEHICLE - LEFT IN AT 5 km/h
SCALE 1 : 250



INSET C - BRIGANTINE ROAD - ROAD 24
12.5m SU TRUCK - LEFT IN AT 5 km/h
SCALE 1 : 250




INSET C - BRIGANTINE ROAD - ROAD 23
12.5m SU TRUCK - LEFT IN AT 5 km/h
SCALE 1 : 250

Issue	Description	Date
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018

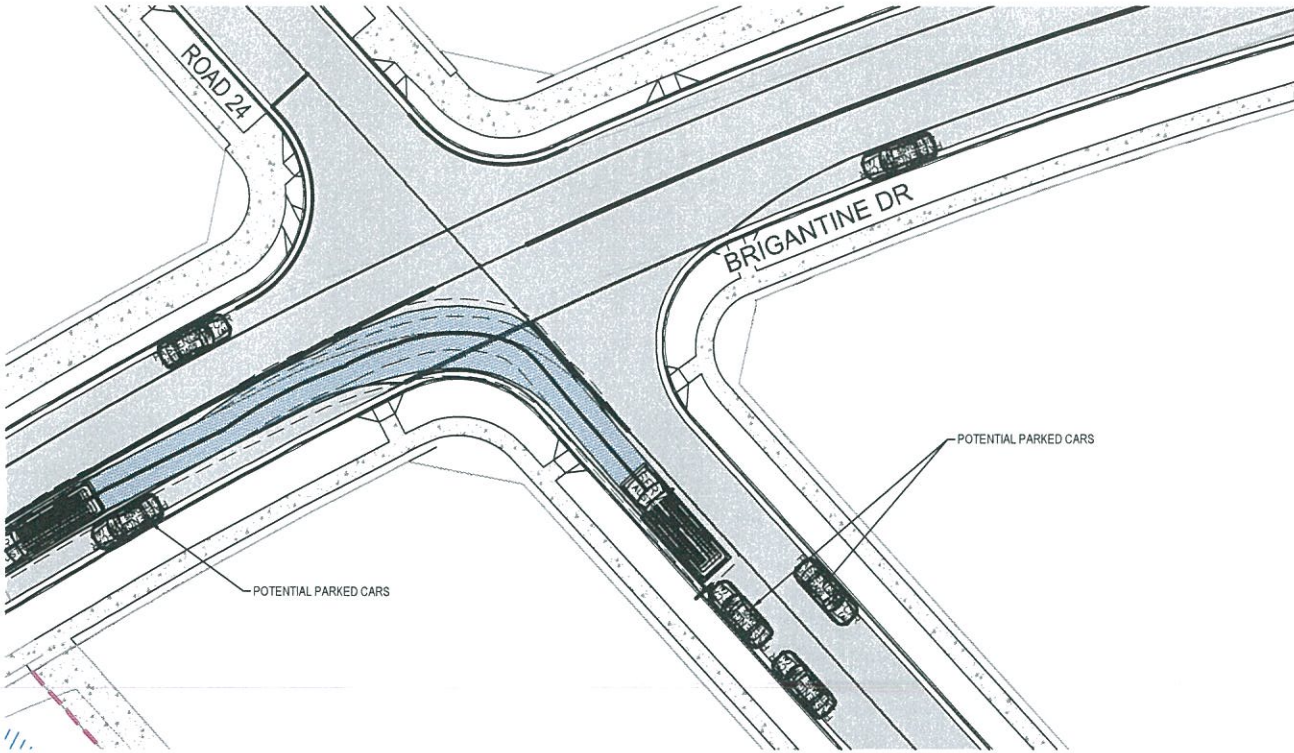


Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION		
Scales	1 : 250	Current Issue Signatures	
		Drawn M McDONALD	
Original Size	A1	Designed GEVERETT	
Height Datum	AHD	Checked	
Grid	MGA	Approved	
Filename:	C-fg-414-10006310-rsd-TurningPathsSheet3.dwg		

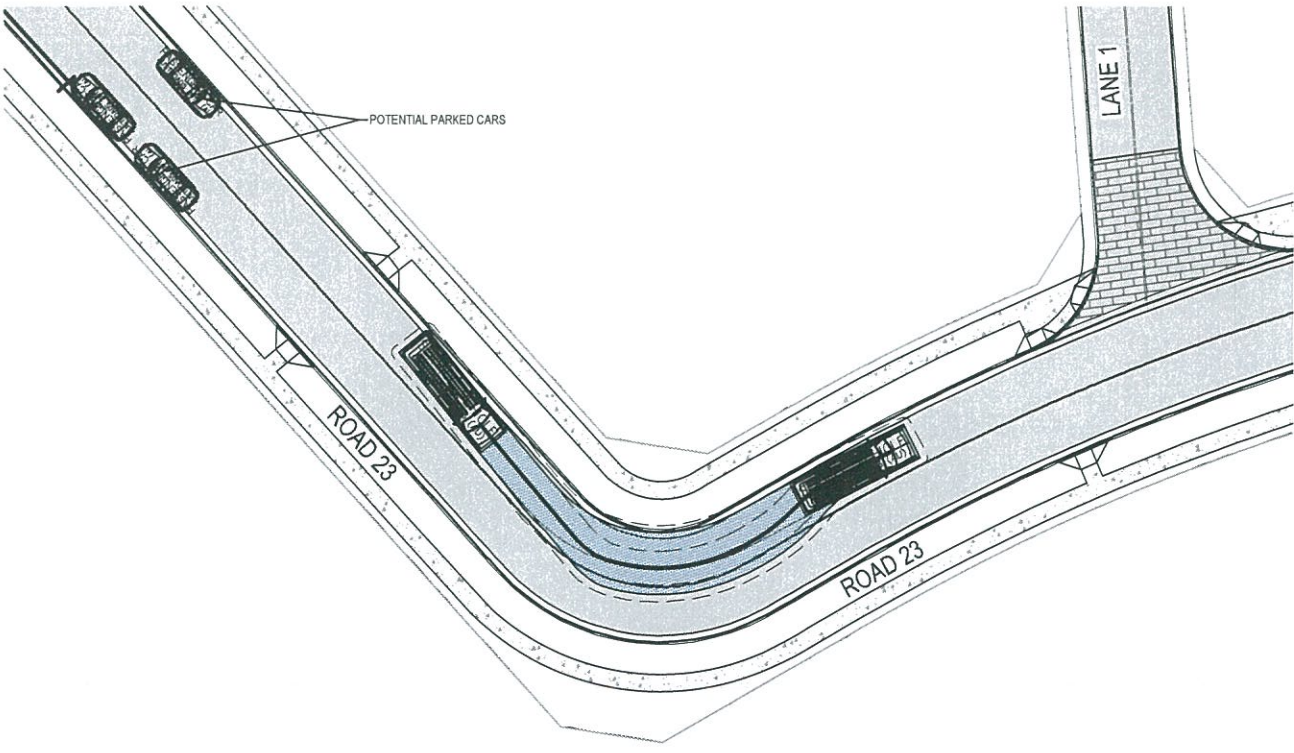
Project	SHELL COVE PRECINCT F AND G AND WETLAND 08
Title	TURNING PATHS SHEET 3

		
Arcadis Australia Pacific Pty Limited Level 16, 580 George Street SYDNEY NSW 2000 ABN 76 104 485 289 Tel No: +61 2 8907 9000 Fax No: +61 2 8907 9001 arcadis.com		
Drawing No.	Project No.	Issue
C-FG-414	10006310	02

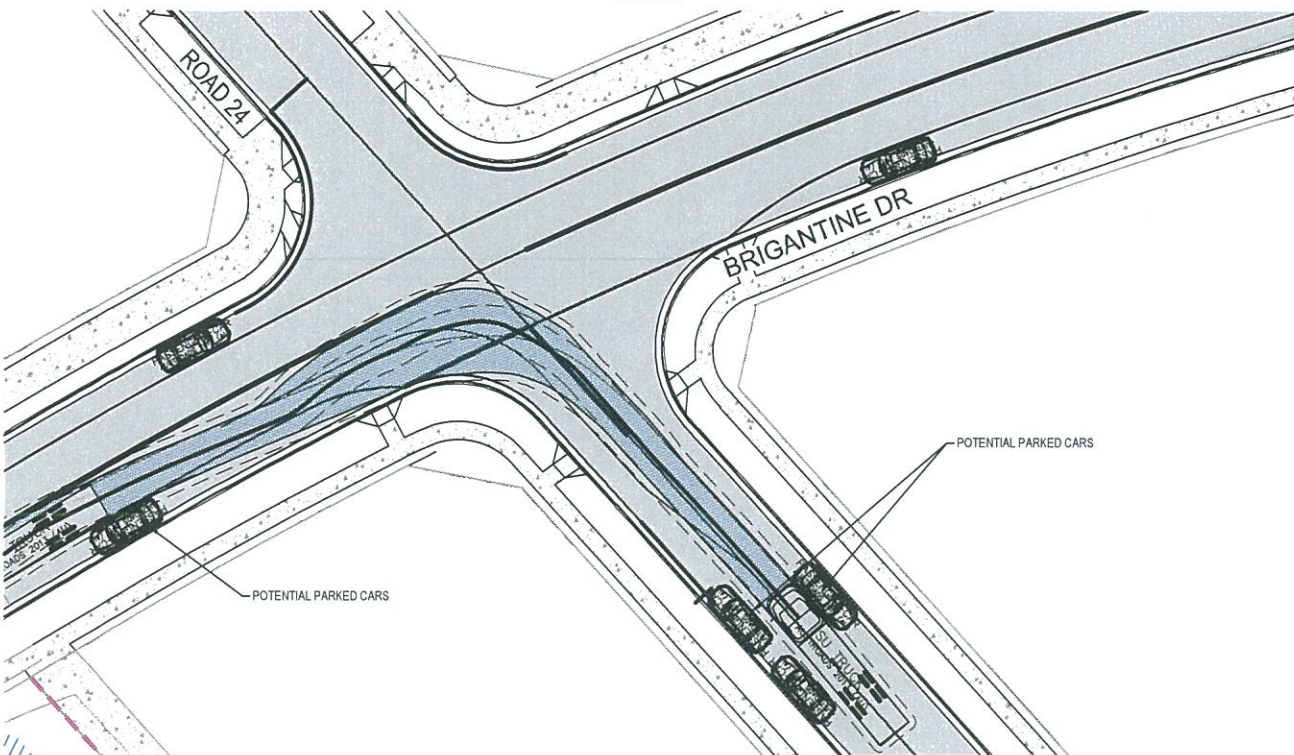
NOTE
1. 8.8m DESIGN VEHICLE AND 12.5m CHECK VEHICLE USED.
REFER TO DWG C-FG-411 FOR VEHICLE PROFILES.



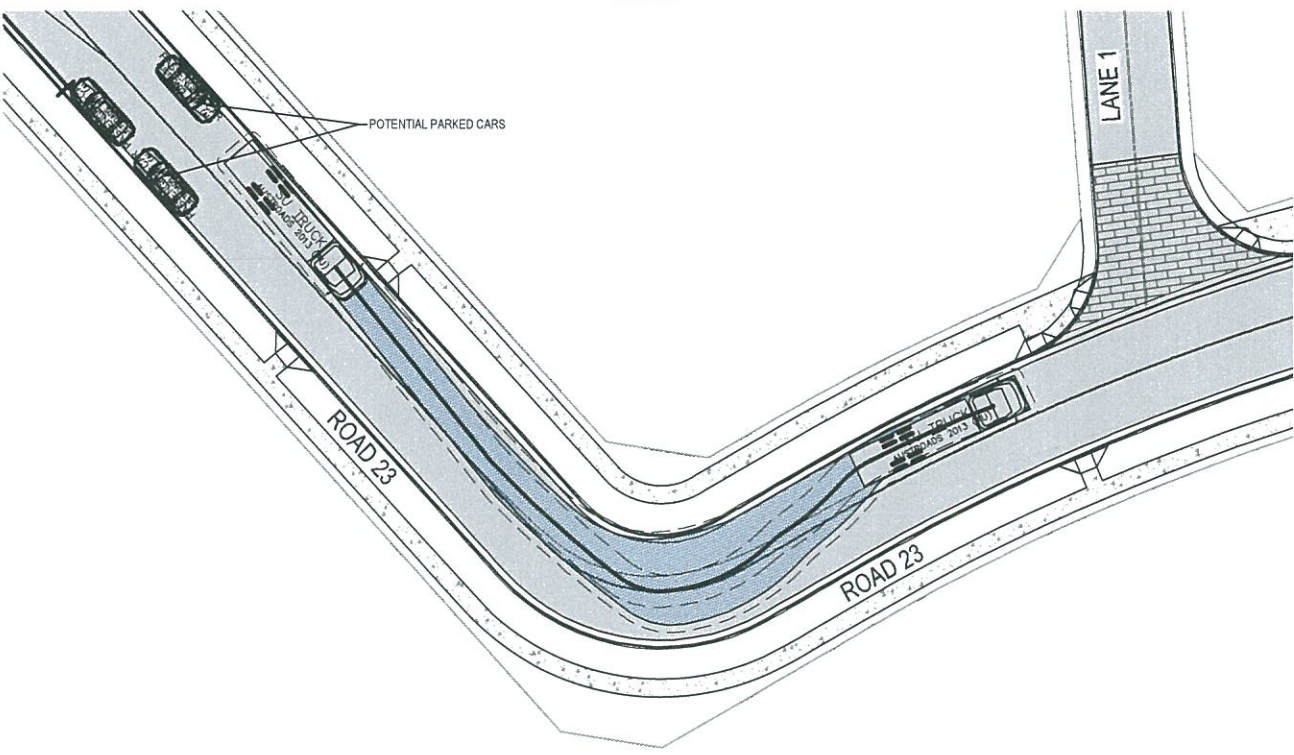
INSET C - BRIGANTINE ROAD - ROAD 23
8.8m SERVICE VEHICLE - LEFT OUT AT 5 km/h
SCALE 1: 250



INSET D - ROAD 23
8.8m SERVICE VEHICLE - LEFT TURN AT 5 km/h
SCALE 1: 250



INSET C - BRIGANTINE ROAD - ROAD 23
12.5m SU TRUCK - LEFT OUT AT 5 km/h
SCALE 1: 250



INSET D - ROAD 23
12.5m SU TRUCK - LEFT TURN AT 5 km/h
SCALE 1: 250

Issue	Description	Date
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018



Client



FRASERS
PROPERTY

Status

PRELIMINARY ONLY
NOT TO BE USED FOR CONSTRUCTION

Scales

1: 250

Current Issue Signatures

Original Size

A1

Height Datum

AHD

Grid

MGA

Filename:

C-fg-415-10006310-nsd-TurningPathsSheet4.dwg

Project

SHELL COVE
PRECINCT F AND G
AND WETLAND 08

Title

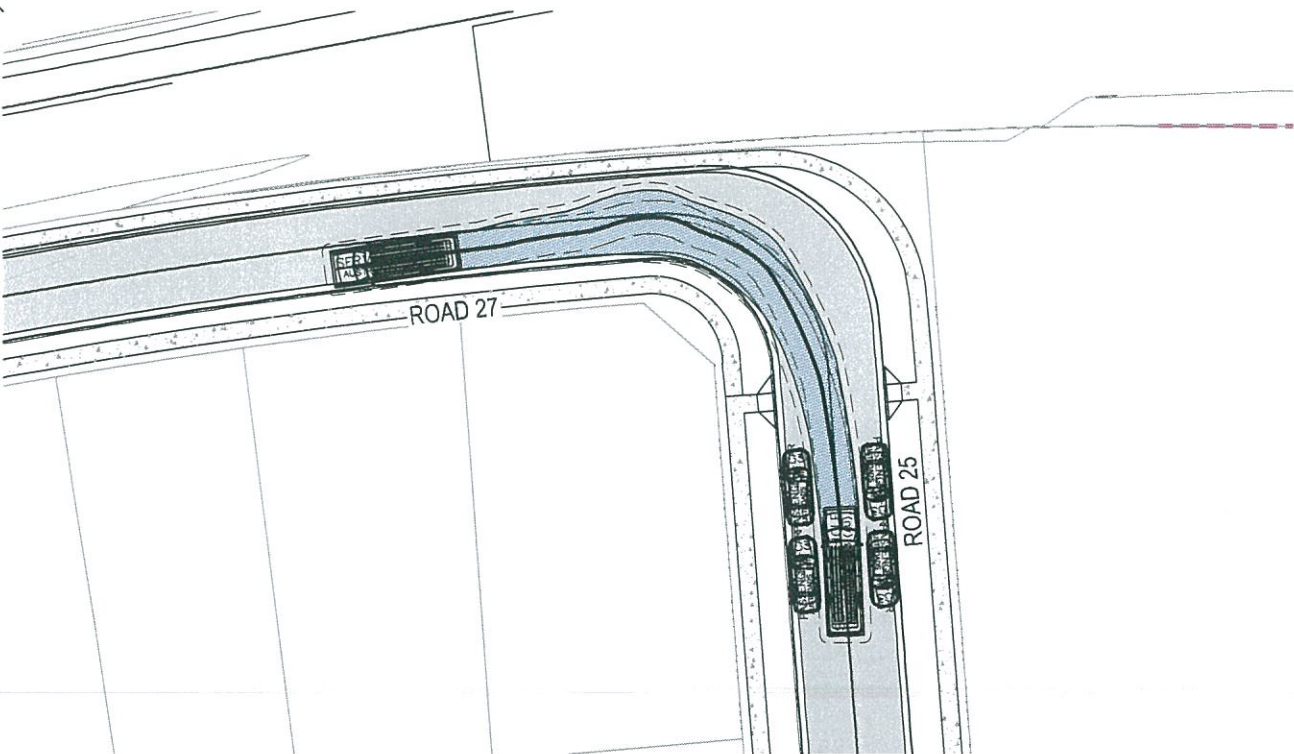
TURNING PATHS
SHEET 4



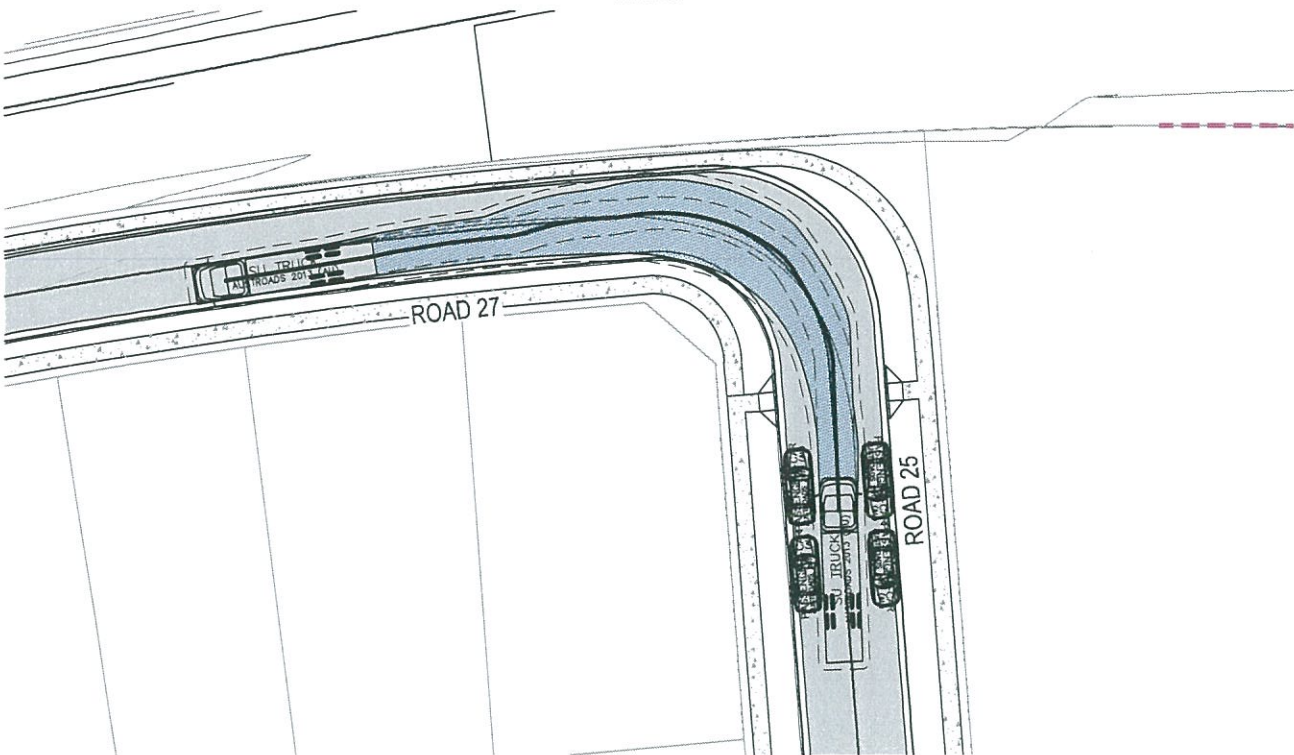
Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No. Project No. Issue
C-FG-415 - 10006310 - 02

NOTE
1. 8.8m DESIGN VEHICLE AND 12.5m CHECK VEHICLE USED.
REFER TO DWG C-FG-411 FOR VEHICLE PROFILES.



INSET E - ROAD 23
8.8m SERVICE VEHICLE - LEFT TURN AT 5 km/h
SCALE 1 : 250



INSET E - ROAD 23
12.5m SU TRUCK - LEFT TURN AT 5 km/h
SCALE 1 : 250

02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018
Issue	Description	Date



Client



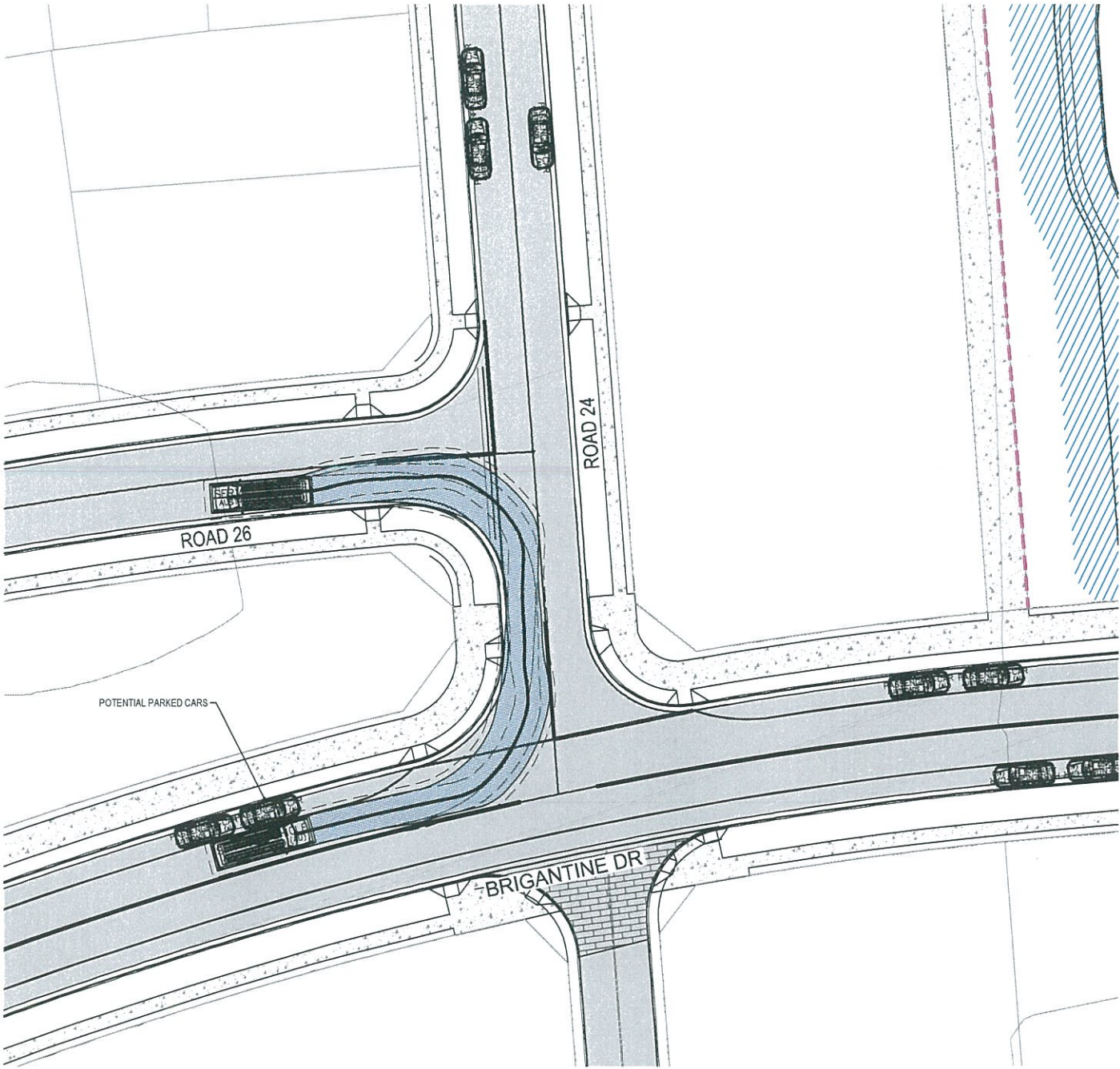
FRASERS
PROPERTY

Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1 : 250	Current Issue Signatures
Original Size	A1	Drawn M McDONALD
Height Datum	AHD	Designed GEVERETT
Grid	MGA	Checked
Filename:	C-fg-416-10006310-nad-TurningPathsSheet5.dwg	

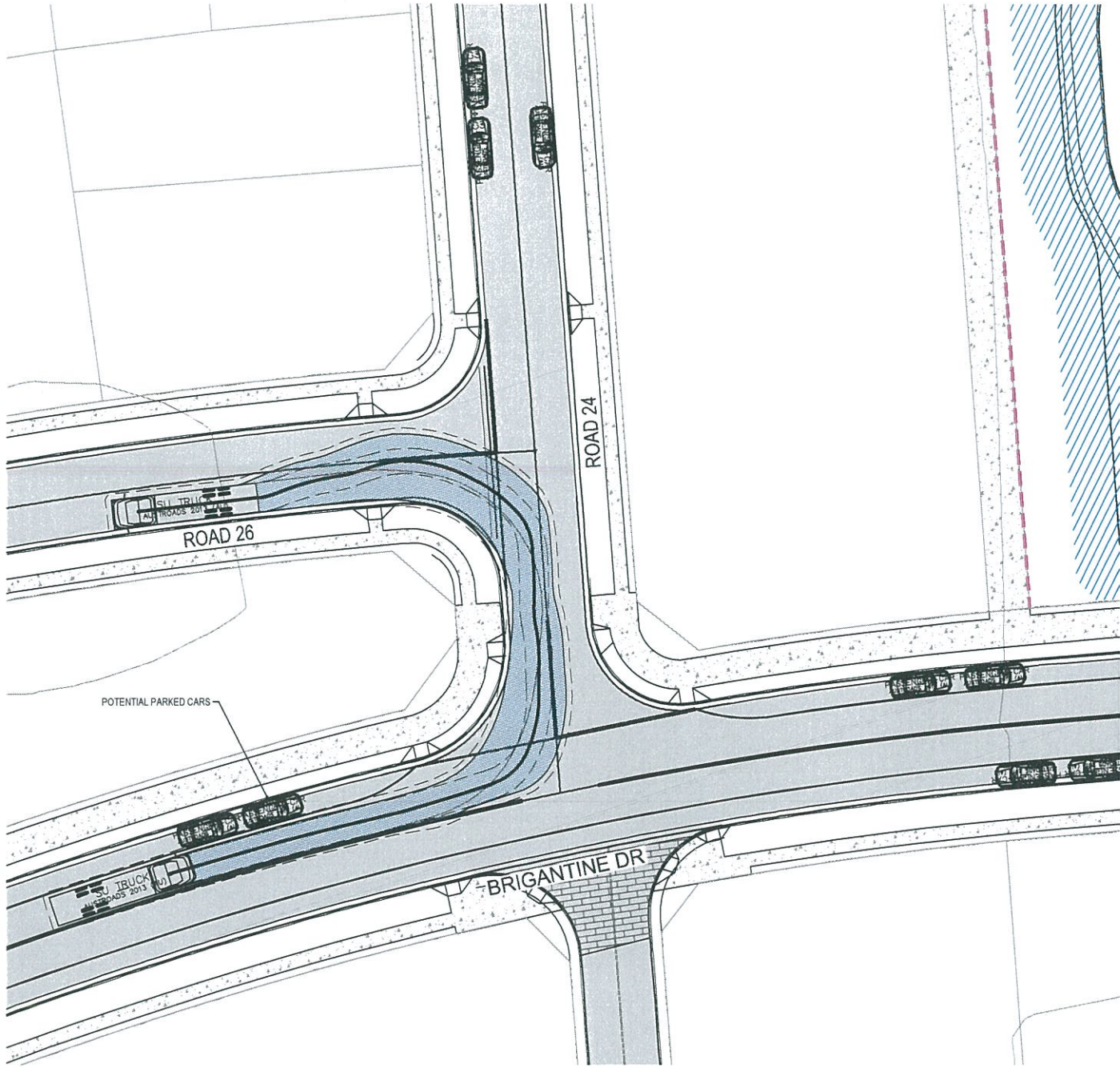
Project	SHELL COVE PRECINCT F AND G AND WETLAND 08
Title	TURNING PATHS SHEET 5

Arcadis Australia Pacific Pty Limited Level 16, 580 George Street SYDNEY NSW 2000 ABN 76 104 485 289 Tel No: +61 2 8907 9000 Fax No: +61 2 8907 9001 arcadis.com		
Drawing No.	Project No.	Issue
C-FG-416	10006310	02

NOTE
1. 8.8m DESIGN VEHICLE AND 12.5m CHECK VEHICLE USED.
REFER TO DWG C-FG-411 FOR VEHICLE PROFILES.



INSET F - BRIGANTINE ROAD - ROAD 26
8.8m SERVICE VEHICLE - LEFT IN AT 5 km/h
SCALE 1 : 250




INSET F - BRIGANTINE ROAD - ROAD 26
12.5m SU TRUCK - LEFT IN AT 5 km/h
SCALE 1 : 250

Issue	Description	Date
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018



Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1 : 250	Current Issue Signatures
Original Size	A1	Drawn M McDONALD
Height Datum	AHD	Designed G EVERETT
Grid	MGA	Checked
Filename:	C-fg-417-10006310-rsd-TurningPathsSheet6.dwg	

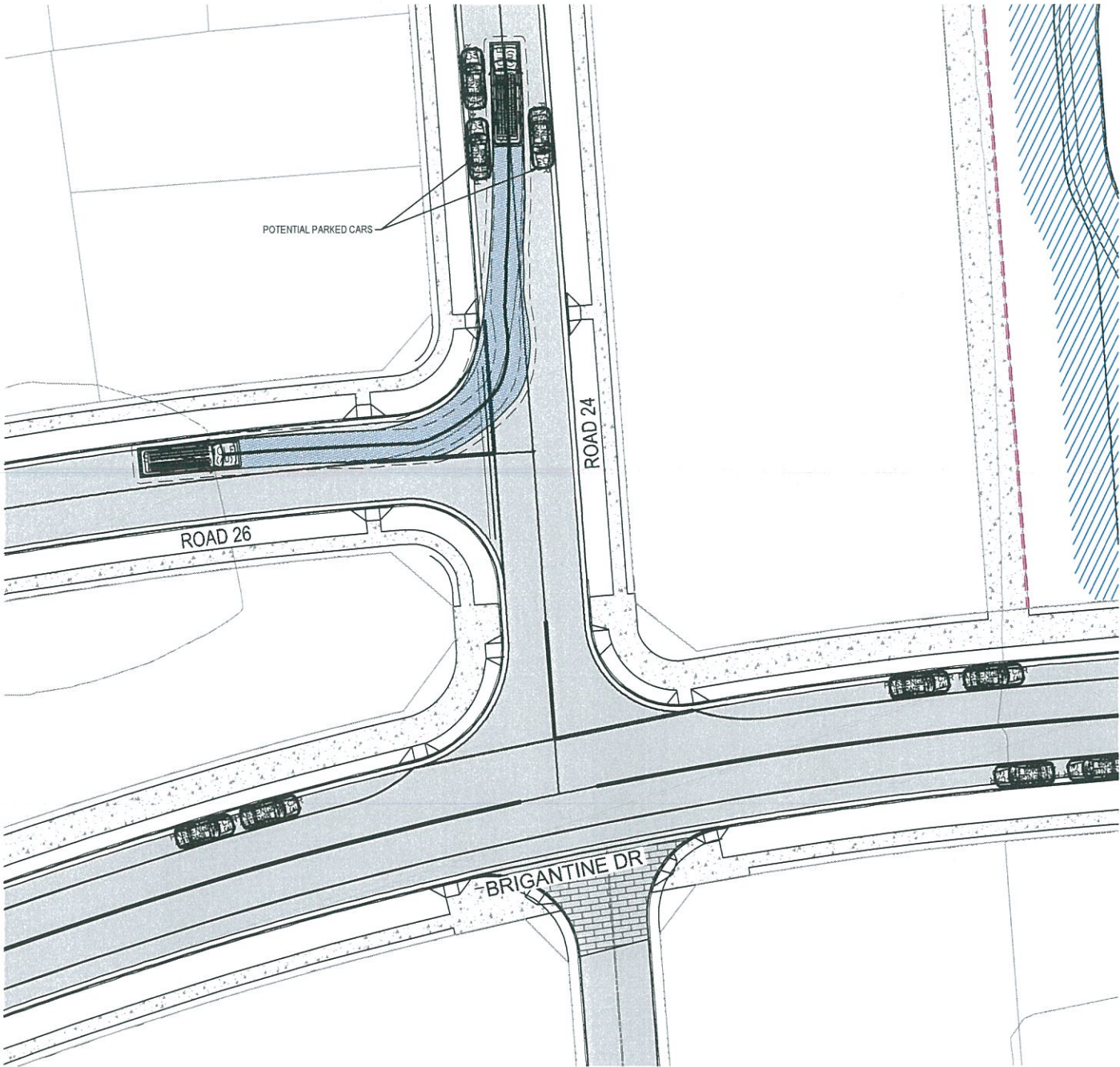
Project	SHELL COVE PRECINCT F AND G AND WETLAND 08	
Title	TURNING PATHS SHEET 6	



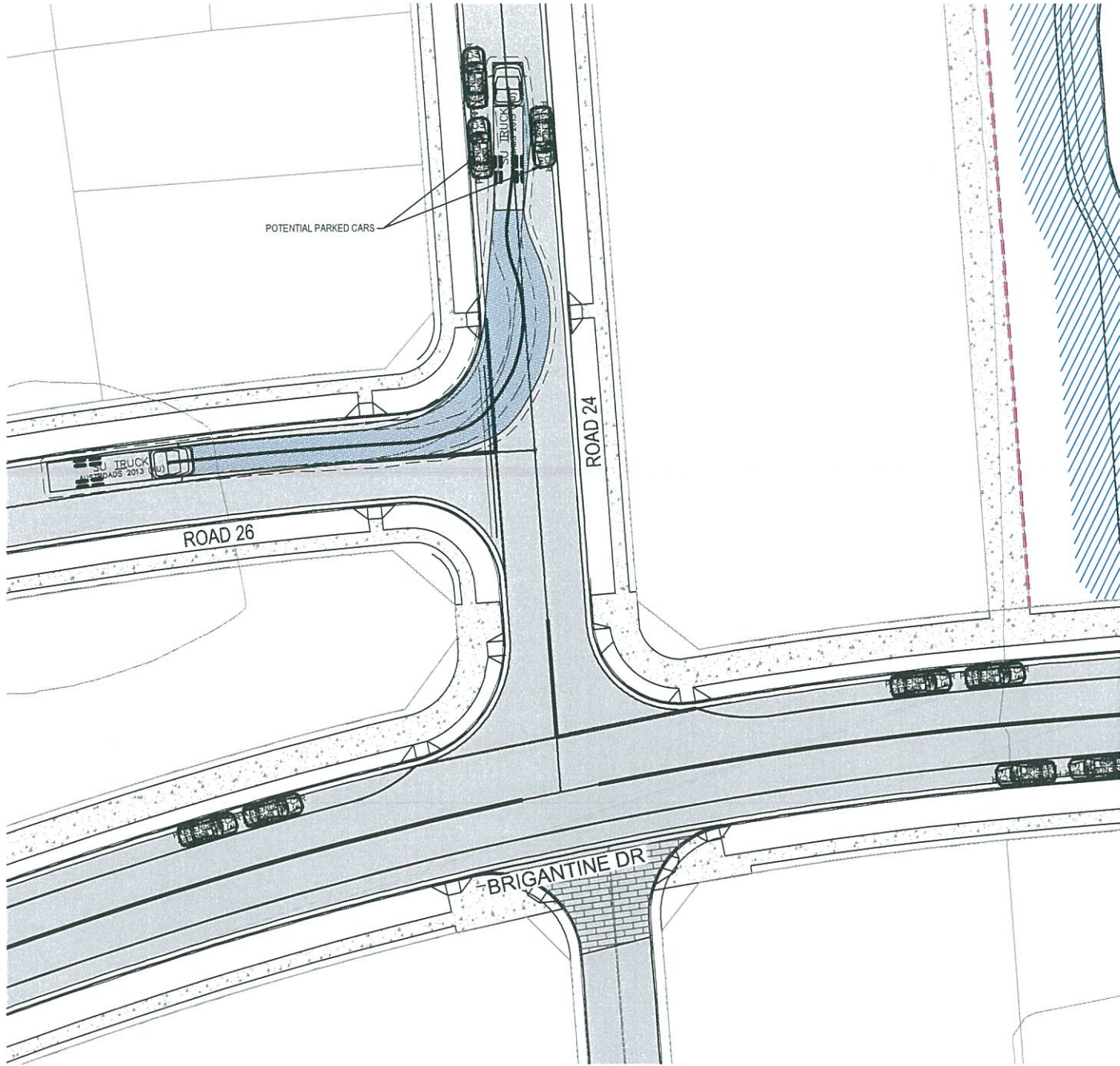
Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No.	Project No.	Issue
C-FG-417	10006310	02

NOTE
1. 8.8m DESIGN VEHICLE AND 12.5m CHECK VEHICLE USED.
REFER TO DWG C-FG-411 FOR VEHICLE PROFILES.



INSET F - BRIGANTINE ROAD - ROAD 26
8.8m SERVICE VEHICLE - LEFT OUT AT 5 km/h
SCALE 1 : 250




INSET F - BRIGANTINE ROAD - ROAD 26
12.5m SU TRUCK - LEFT OUT AT 5 km/h
SCALE 1 : 250

02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018
Issue	Description	Date



Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1 : 250	Current Issue Signatures
Original Size	A1	Drawn M McDONALD
Height Datum	AHD	Designed GEVERETT
Grid	MGA	Checked
Filename:	C-fg-418-10006310-nsd-TurningPathsSheet7.dwg	

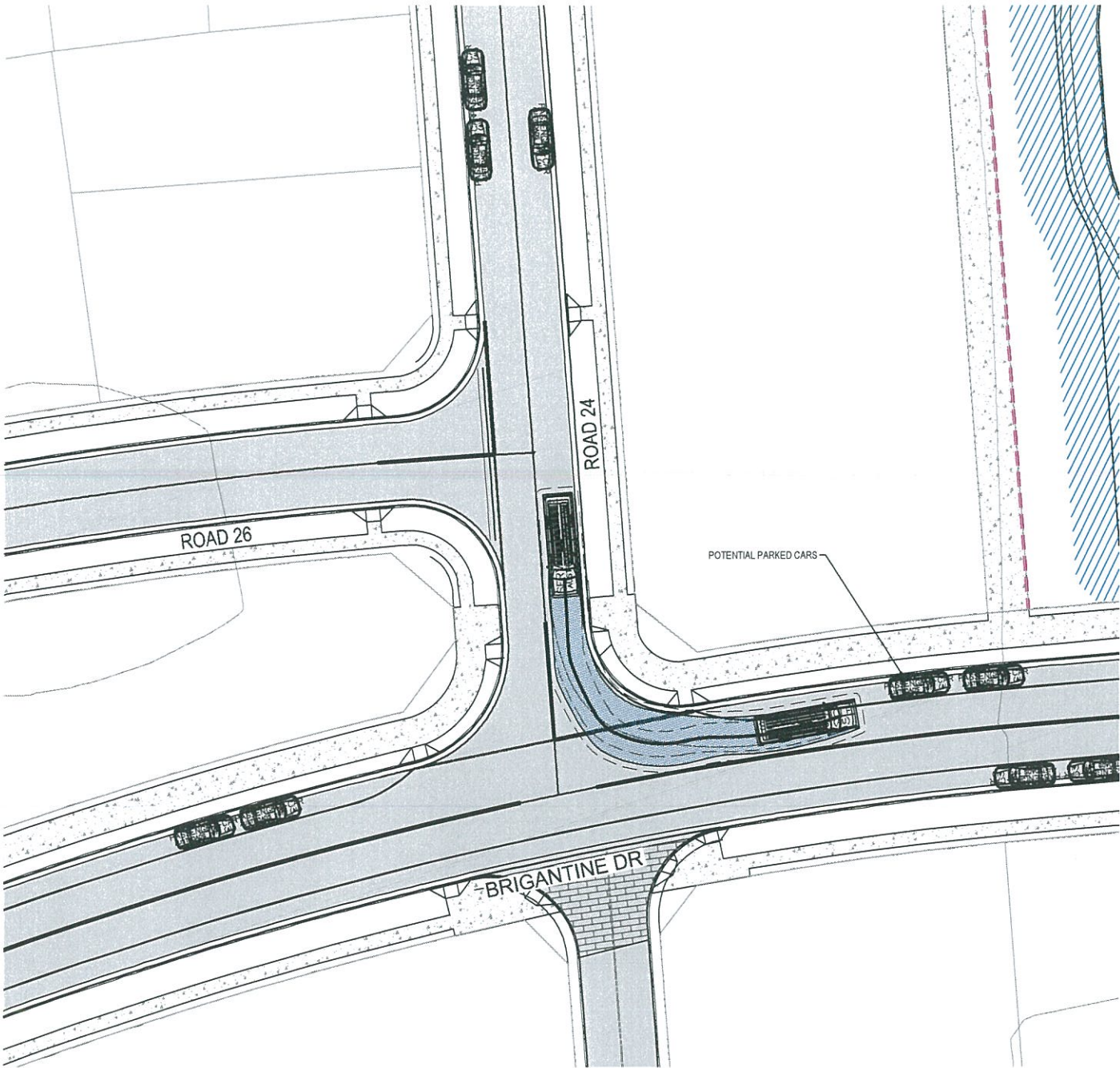
Project	SHELL COVE PRECINCT F AND G AND WETLAND 08	
Title	TURNING PATHS SHEET 7	



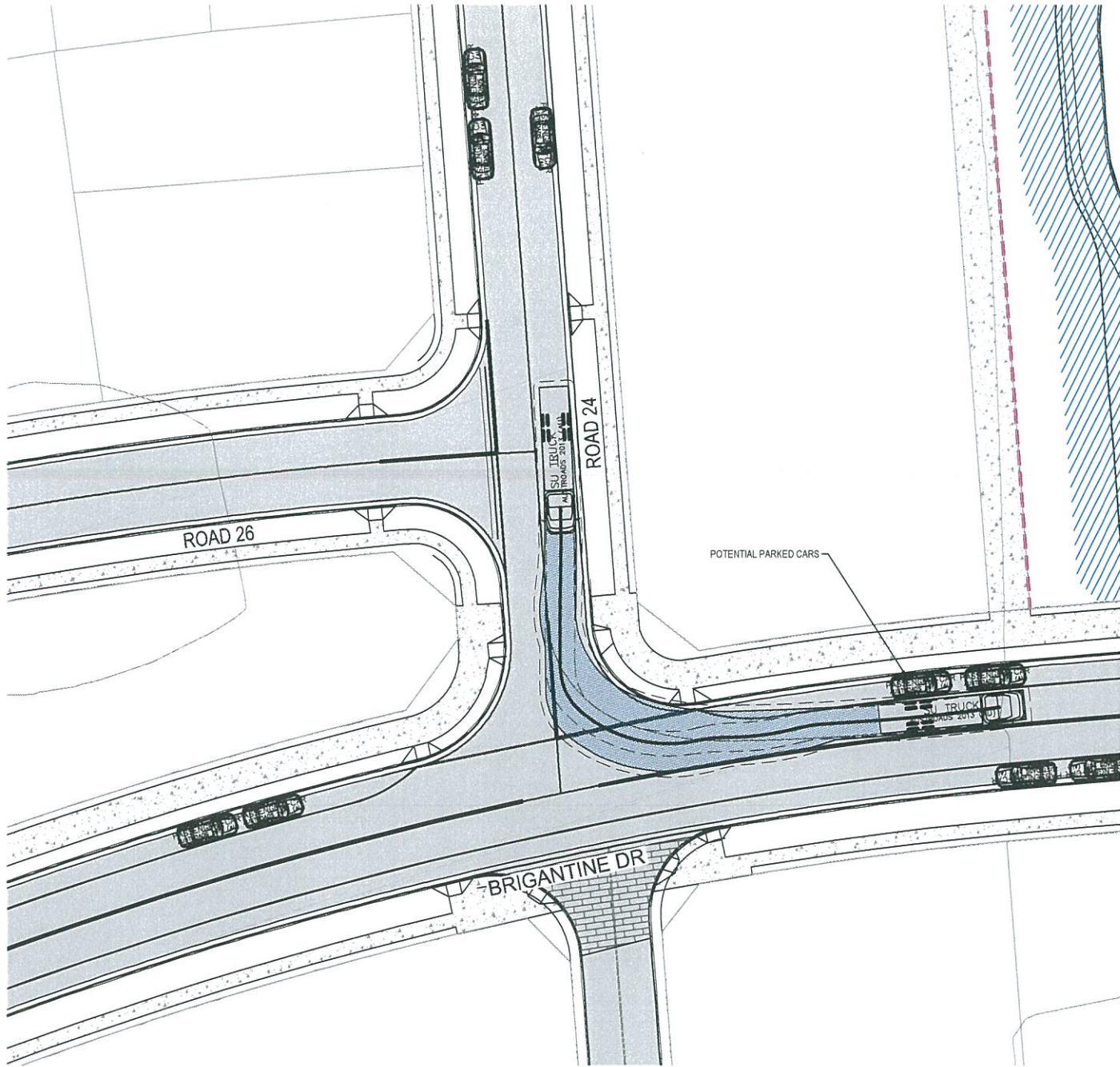
Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No.	Project No.	Issue
C-FG-418	10006310	02

NOTE
1. 8.8m DESIGN VEHICLE AND 12.5m CHECK VEHICLE USED.
REFER TO DWG C-FG-411 FOR VEHICLE PROFILES.

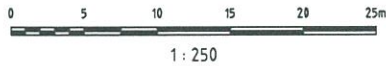


INSET F - ROAD 24
8.8m SERVICE VEHICLE - LEFT OUT AT 5 km/h
SCALE 1 : 250



INSET F - ROAD 24
12.5m SU TRUCK - LEFT OUT AT 5 km/h
SCALE 1 : 250

02	FINAL ISSUE	13/08/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018
Issue	Description	Date

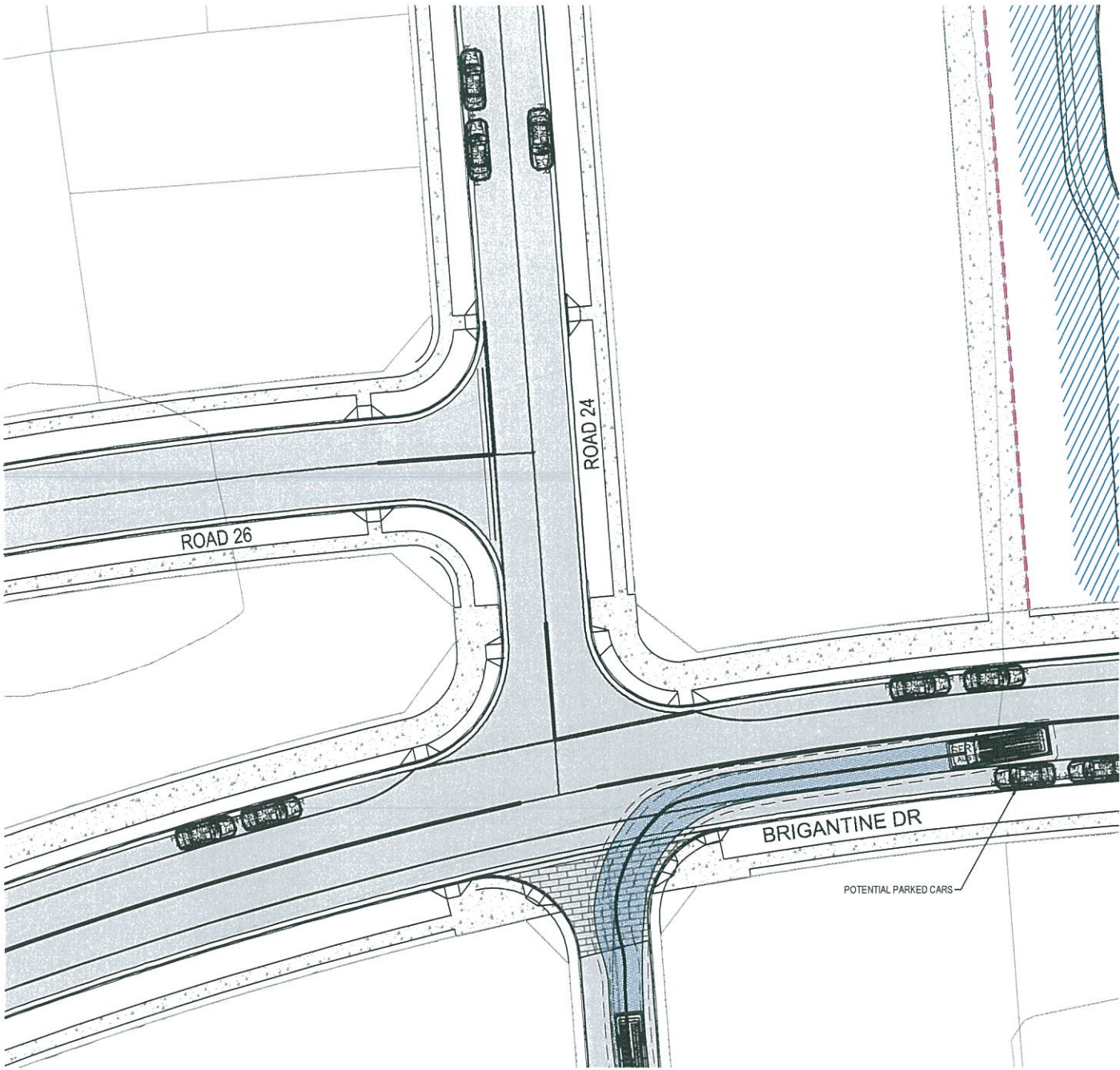


Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1 : 250	Current Issue Signatures
Original Size	A1	Drawn M. McDONALD
Height Datum	AHD	Designed G. EVERETT
Grid	MGA	Checked
Filename:	C-fg-419-10006310-nsd-TurningPathsSheet8.dwg	

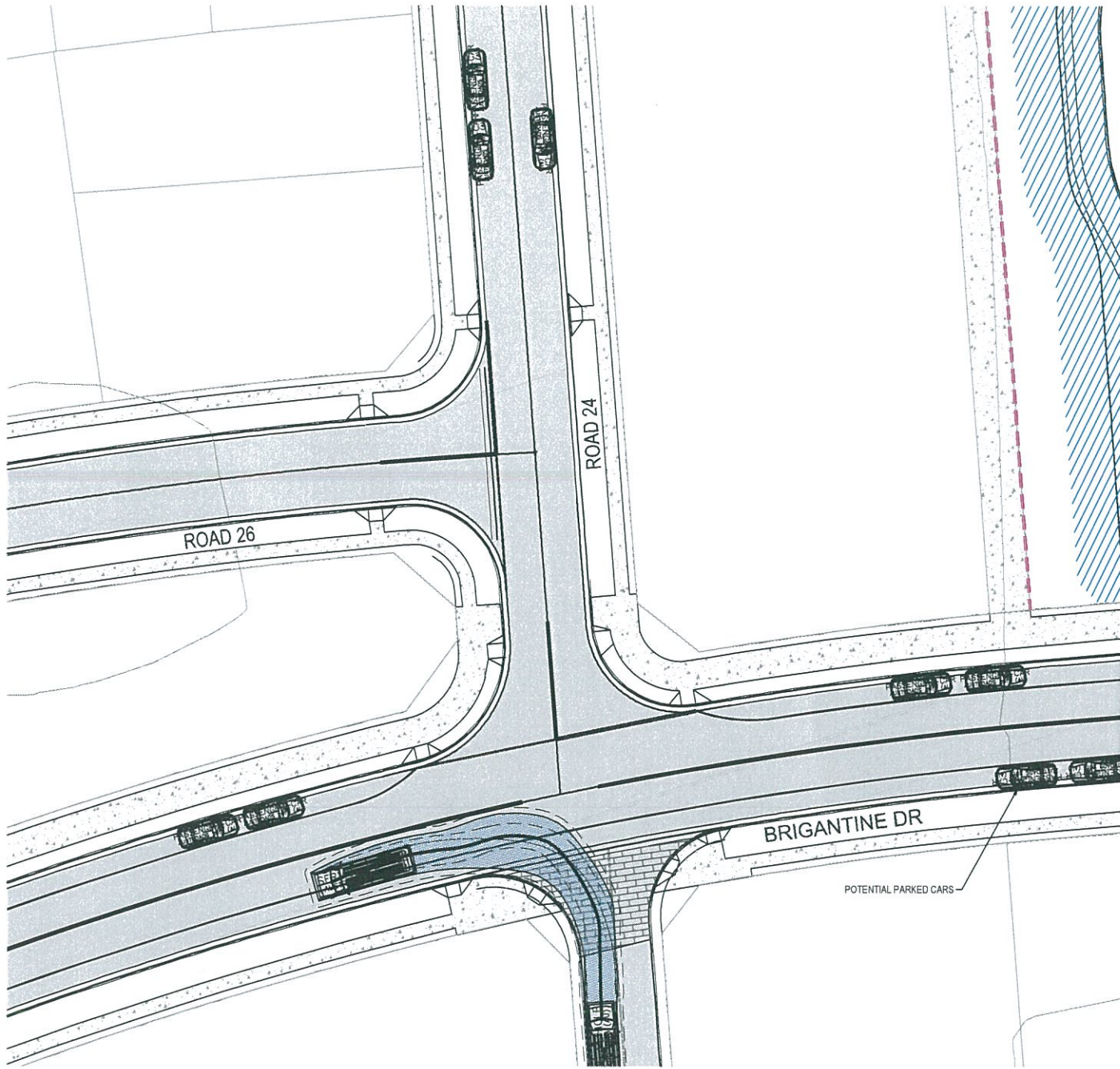
Project	SHELL COVE PRECINCT F AND G AND WETLAND 08
Title	TURNING PATHS SHEET 8

Arcadis Australia Pacific Pty Limited Level 16, 580 George Street SYDNEY NSW 2000 ABN 76 104 485 289 Tel No: +61 2 8907 9000 Fax No: +61 2 8907 9001 arcadis.com		
Drawing No.	Project No.	Issue
C-FG-419	10006310	02

NOTE
1. 8.8m DESIGN VEHICLE AND 12.5m CHECK VEHICLE USED.
REFER TO DWG C-FG-411 FOR VEHICLE PROFILES.



INSET F - LANE 1
8.8m SERVICE VEHICLE - LEFT IN AT 5 km/h
SCALE 1 : 250



INSET F - LANE 1
8.8m SERVICE VEHICLE - LEFT OUT AT 5 km/h
SCALE 1 : 250

02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018
Issue	Description	Date

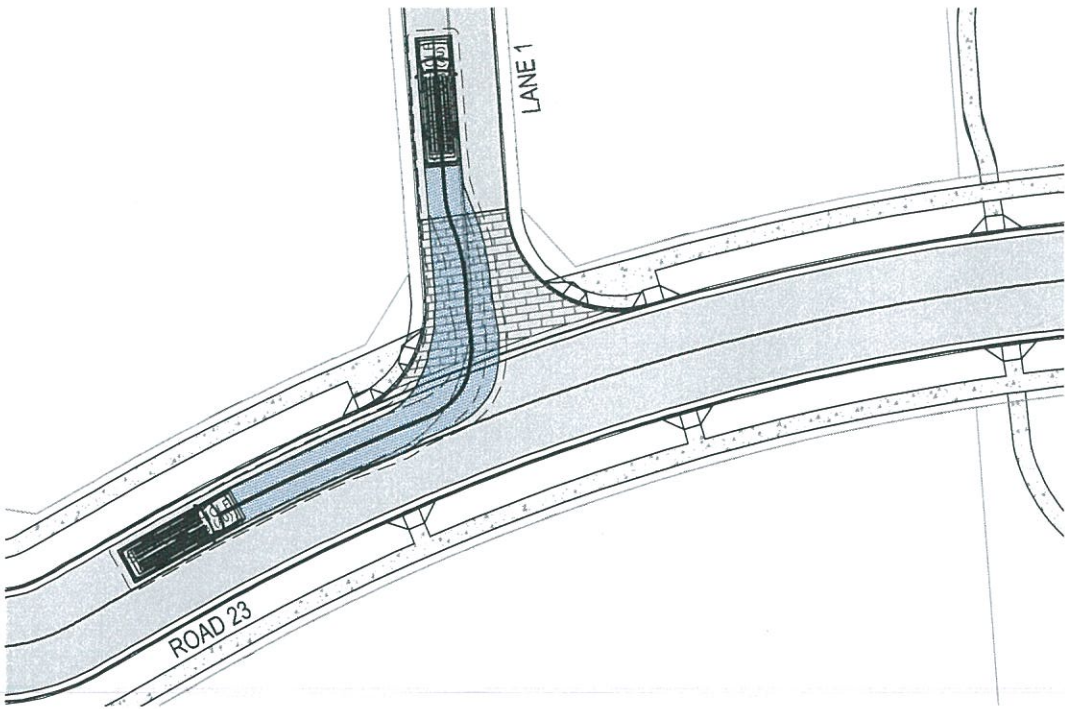


Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1 : 250	Current Issue Signatures
Original Size	A1	Drawn M.McDONALD
Height Datum	AHD	Designed G.EVERETT
Grid	MGA	Checked
File name:	C-fg-420-10006310-nsd-TurningPathsSheet9.dwg	

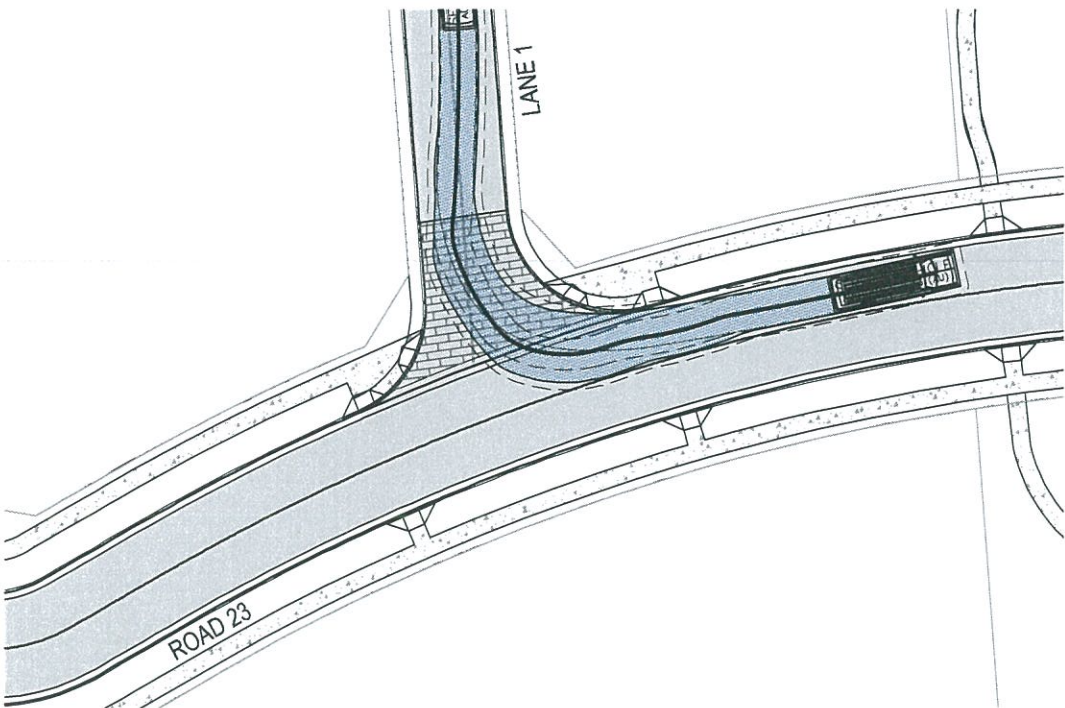
Project	SHELL COVE PRECINCT F AND G AND WETLAND 08
Title	TURNING PATHS SHEET 9

Arcadis Australia Pacific Pty Limited Level 16, 580 George Street SYDNEY NSW 2000 ABN 76 104 485 289 Tel No: +61 2 8907 9000 Fax No: +61 2 8907 9001 arcadis.com		
Drawing No.	Project No.	Issue
C-FG-420 -	10006310	- 02

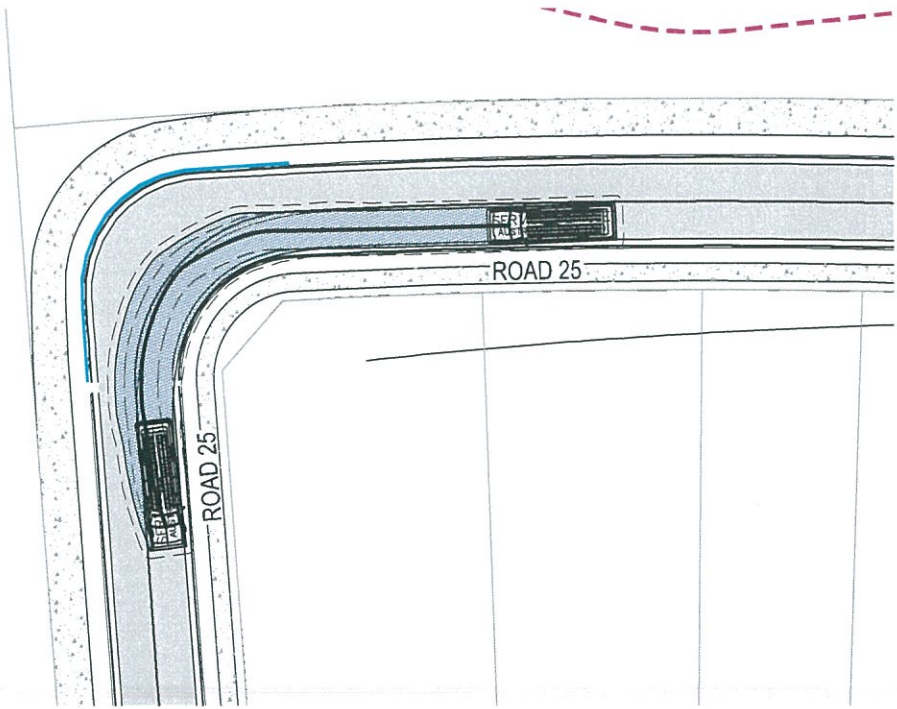
NOTE
1. 8.8m DESIGN VEHICLE AND 12.5m CHECK VEHICLE USED.
REFER TO DWG C-FG-411 FOR VEHICLE PROFILES.



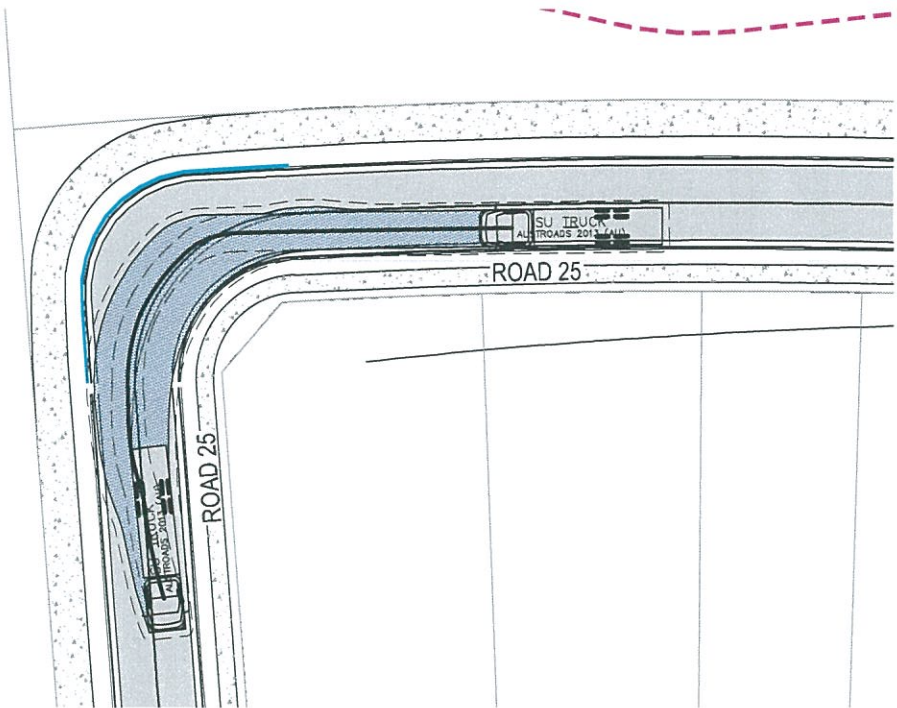
INSET G - LANE 1
8.8m SERVICE VEHICLE - LEFT IN AT 5 km/h
SCALE 1 : 250



INSET G - LANE 1
8.8m SERVICE VEHICLE - LEFT OUT AT 5 km/h
SCALE 1 : 250



INSET H - ROAD 25
8.8m SERVICE VEHICLE - LEFT TURN AT 5 km/h
SCALE 1 : 250



INSET H - ROAD 25
8.8m SERVICE VEHICLE - LEFT TURN AT 5 km/h
SCALE 1 : 250

Issue	Description	Date
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018

0 5 10 15 20 25m
1 : 250

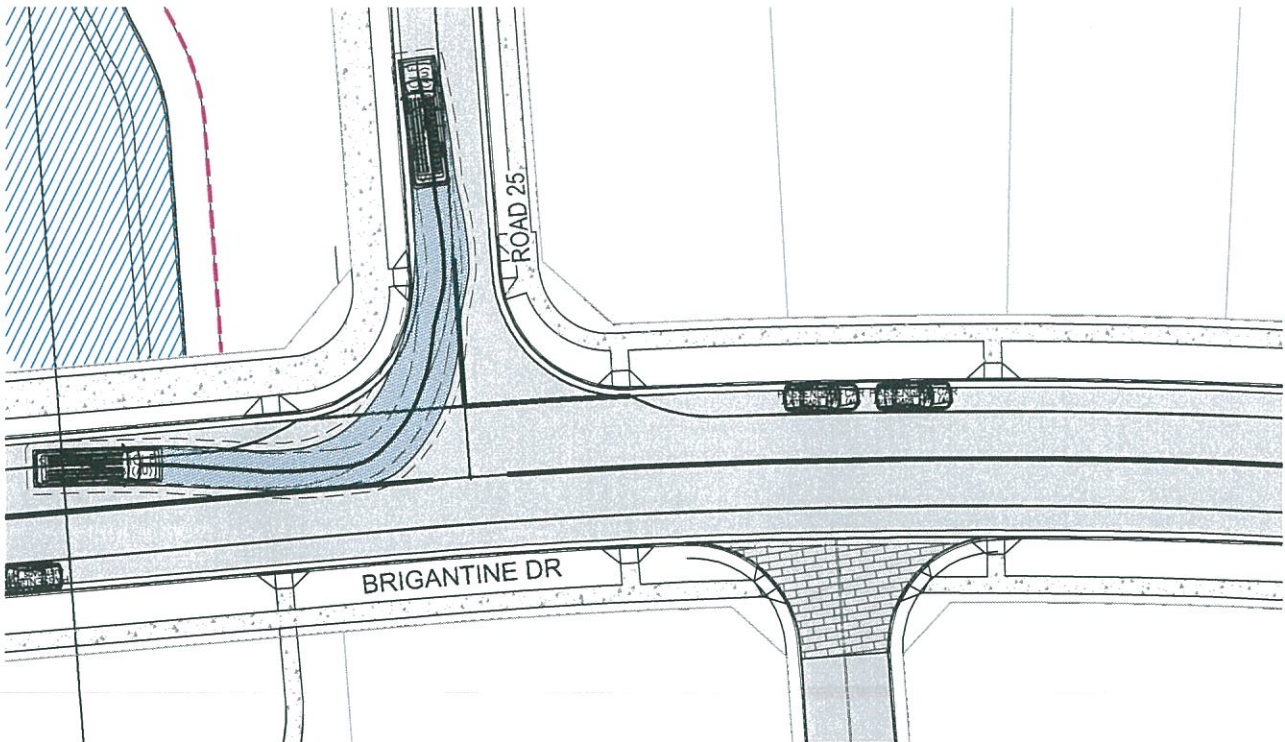


Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1 : 250	Current Issue Signatures
Original Size	A1	Drawn M. McDONALD
Height Datum	AHD	Designed G. EVERETT
Grid	MGA	Checked
Filename:	C-fg-421-10006310-nsd-TurningPathsSheet10.dwg	

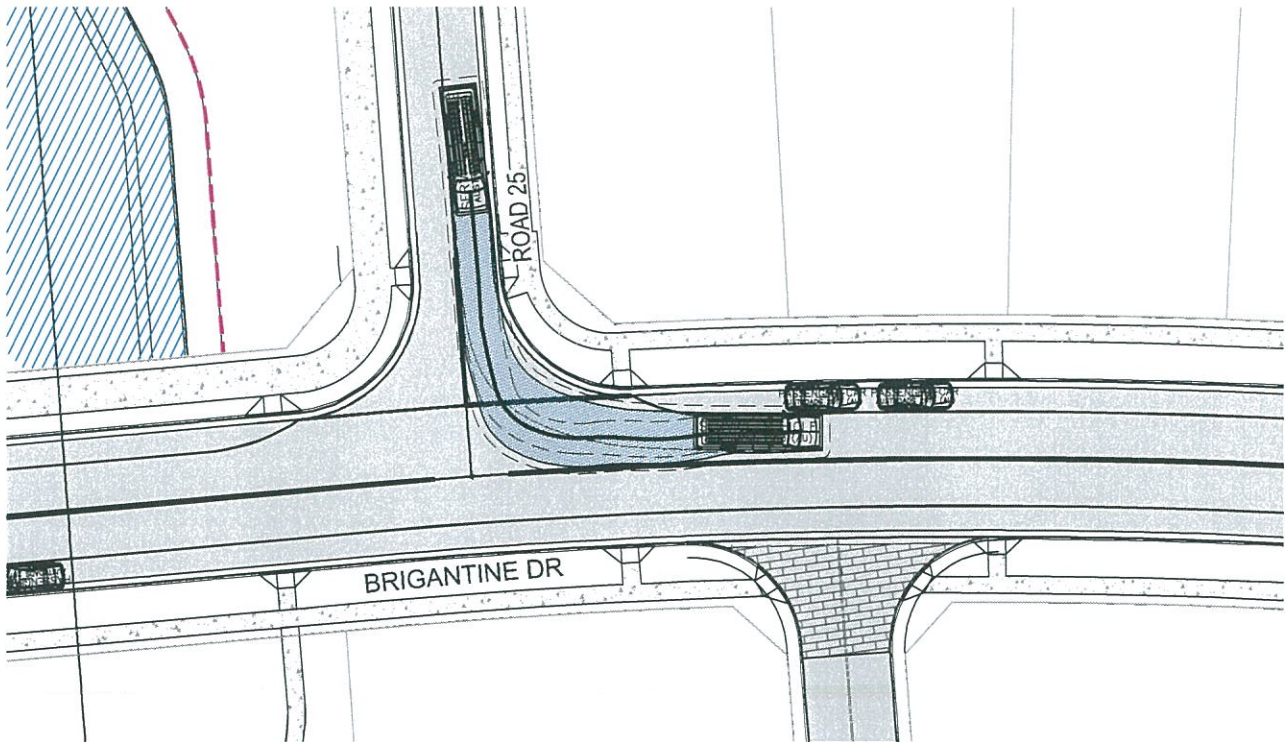
Project	SHELL COVE PRECINCT F AND G AND WETLAND 08
Title	TURNING PATHS SHEET 10

Arcadis Australia Pacific Pty Limited Level 16, 580 George Street SYDNEY NSW 2000 ABN 76 104 485 289 Tel No: +61 2 8907 9000 Fax No: +61 2 8907 9001 arcadis.com		
Drawing No.	Project No.	Issue
C-FG-421	10006310	02

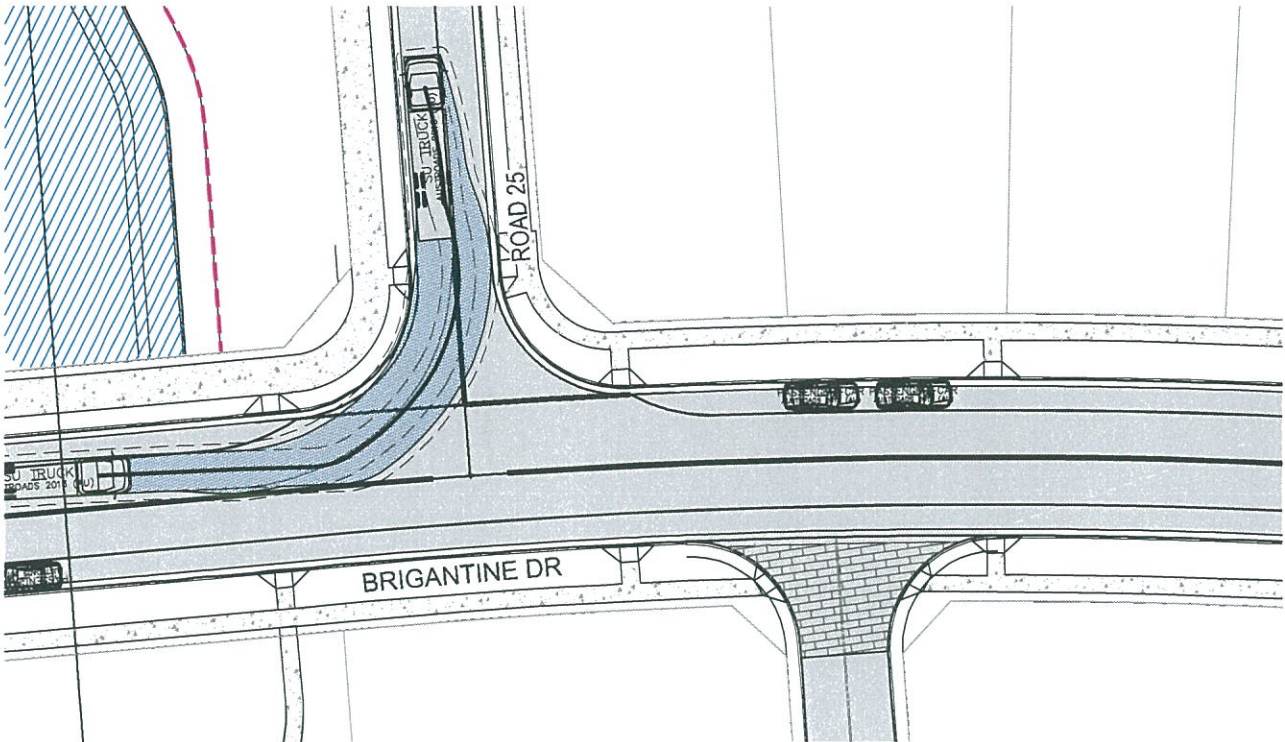
NOTE
1. 8.8m DESIGN VEHICLE AND 12.5m CHECK VEHICLE USED.
REFER TO DWG C-FG-411 FOR VEHICLE PROFILES.



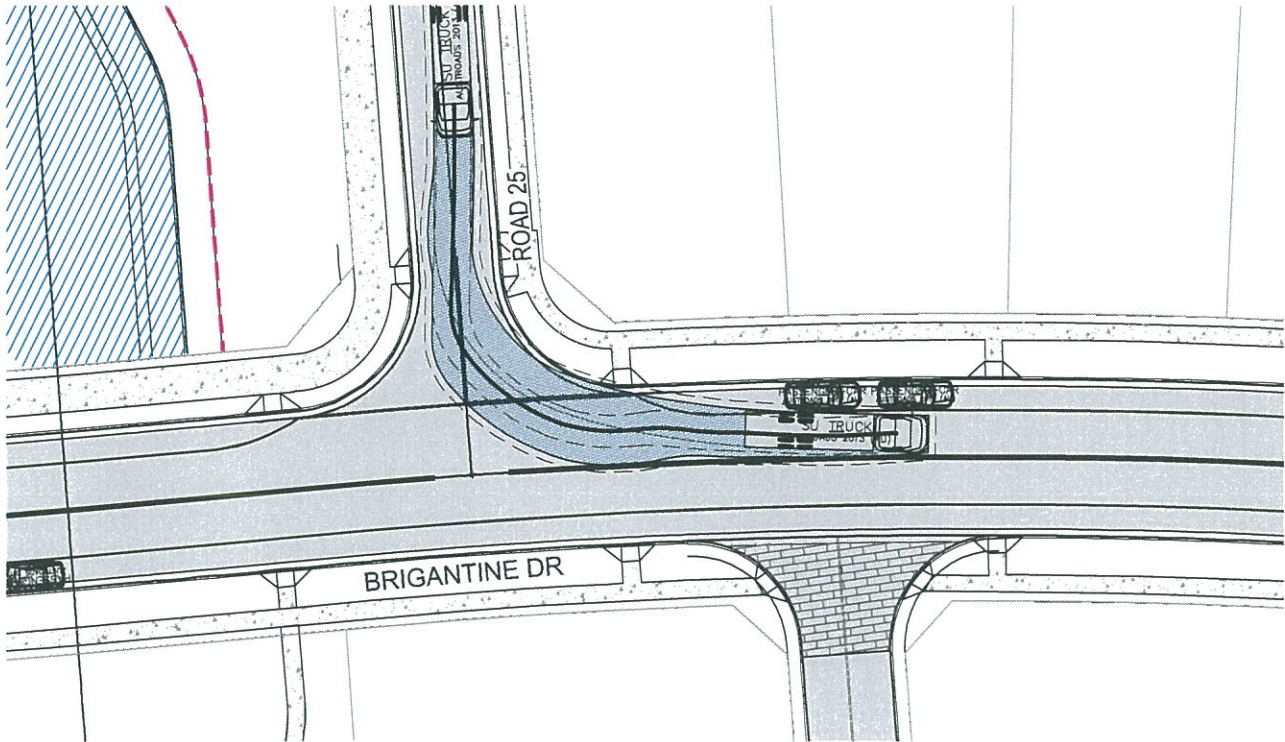
INSET I - ROAD 25
8.8m SERVICE VEHICLE - LEFT IN AT 5 km/h
SCALE 1 : 250



INSET I - ROAD 25
8.8m SERVICE VEHICLE - LEFT OUT AT 5 km/h
SCALE 1 : 250



INSET I - ROAD 25
12.5m SU TRUCK - LEFT IN AT 5 km/h
SCALE 1 : 250



INSET I - ROAD 25
12.5M SU TRUCK - LEFT OUT AT 5 km/h
SCALE 1 : 250

Issue	Description	Date
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018



Client



FRASERS
PROPERTY

Status

PRELIMINARY ONLY
NOT TO BE USED FOR CONSTRUCTION

Scales

1 : 250

Original
Size

A1

Height
Datum

AHD

Grid

MGA

Filename:

C-fg-422-10006310-nsd-TurningPathsSheet11.dwg

Project

SHELL COVE
PRECINCT F AND G
AND WETLAND 08

Title

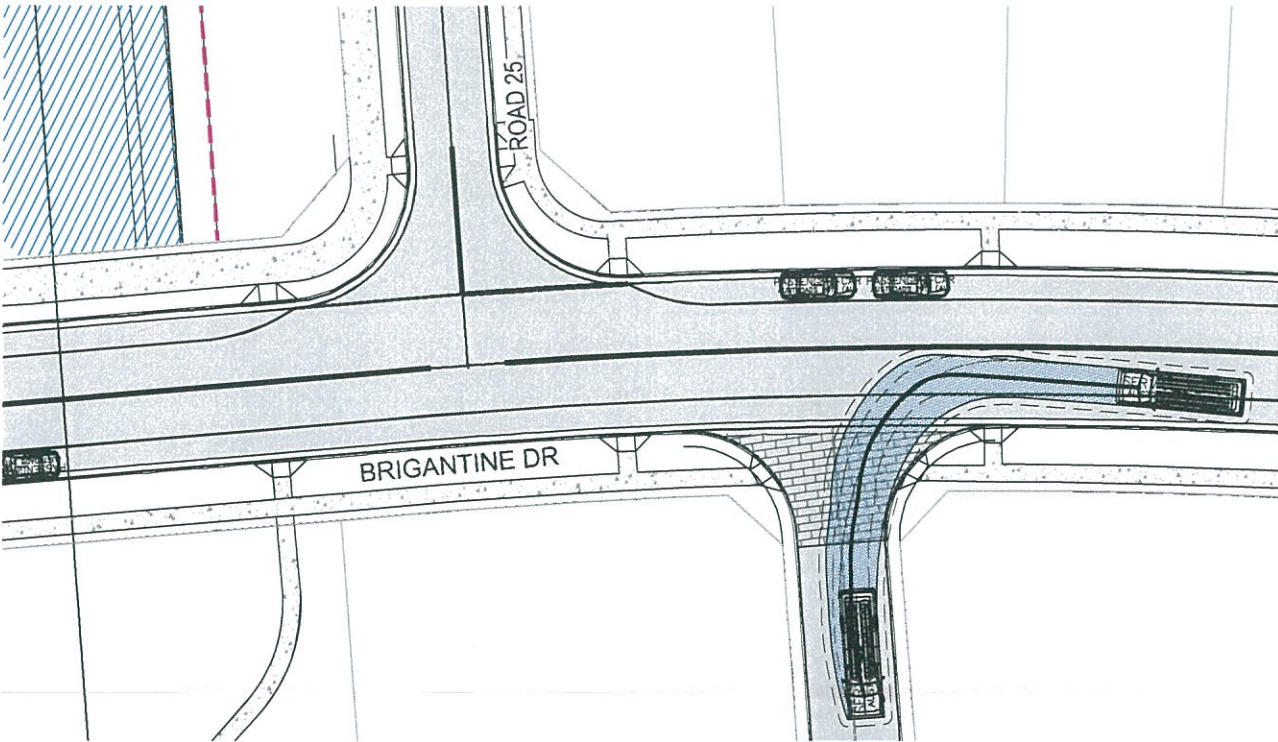
TURNING PATHS
SHEET 11



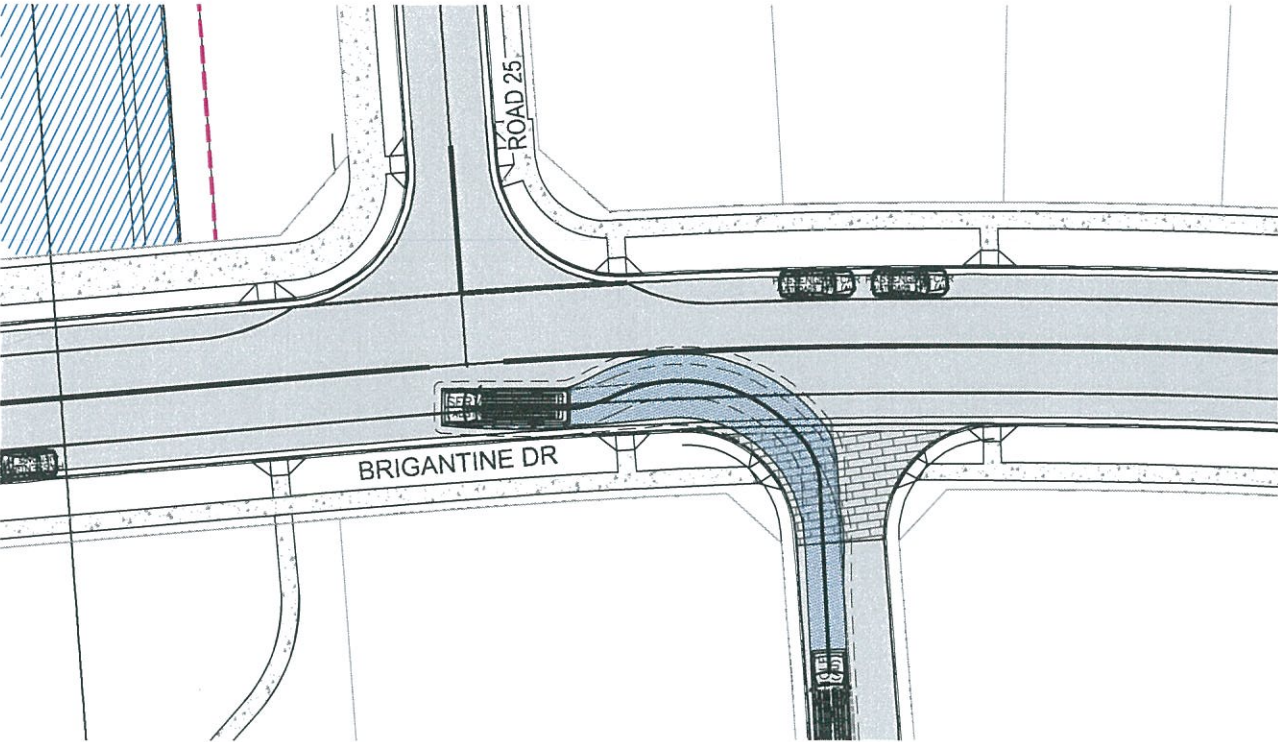
Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No. Project No. Issue
C-FG-422 - 10006310 - 02

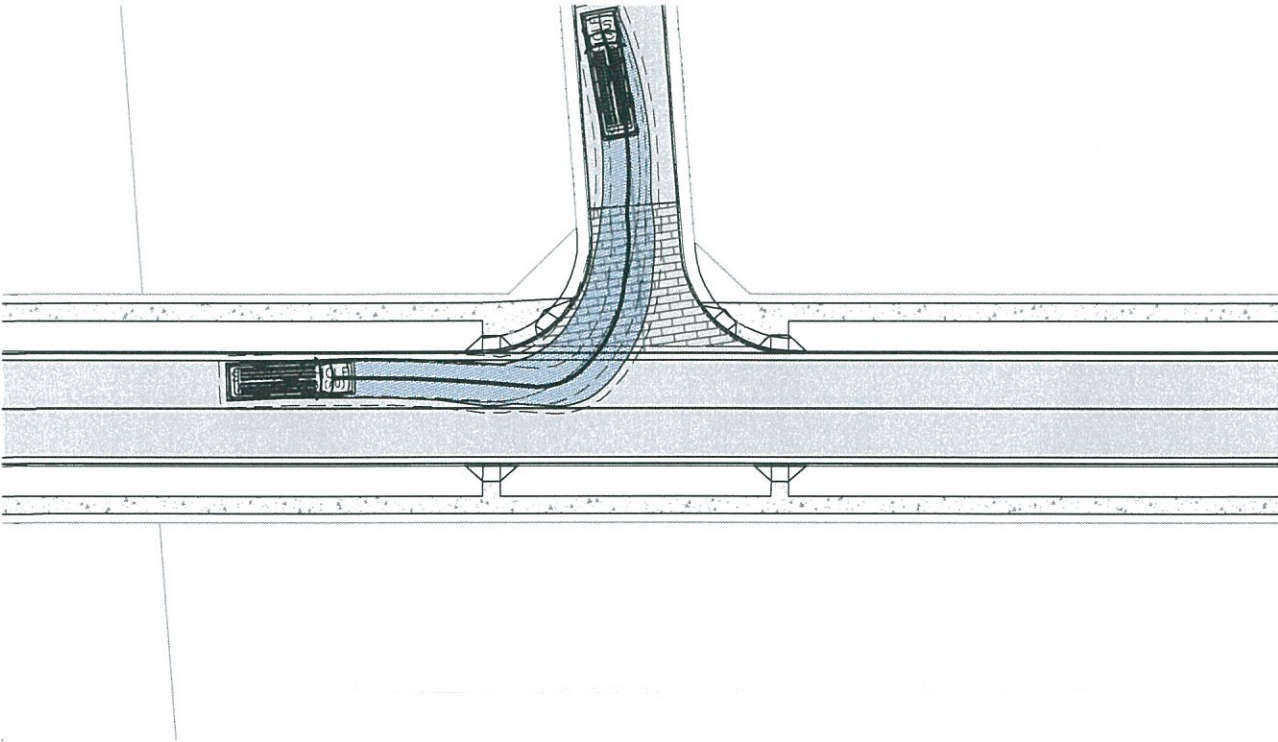
NOTE
1. 8.8m DESIGN VEHICLE AND 12.5m CHECK VEHICLE USED.
REFER TO DWG C-FG-411 FOR VEHICLE PROFILES.



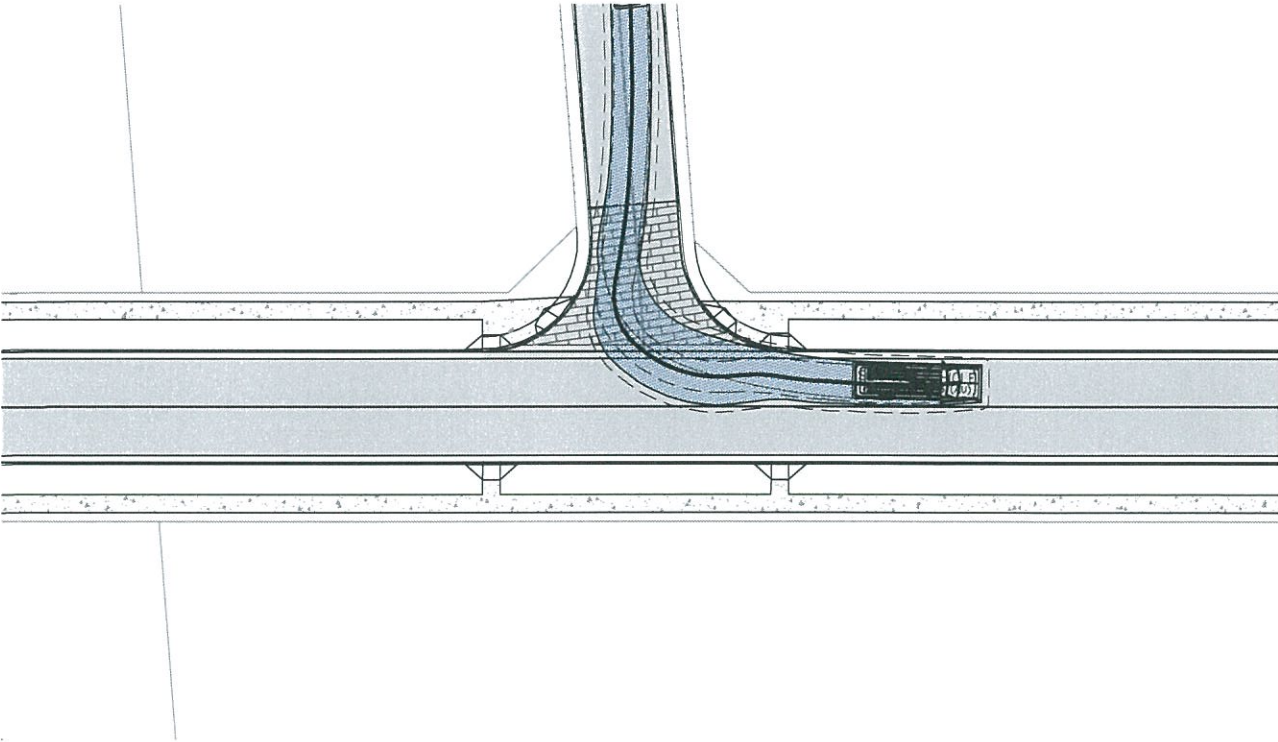
INSET I - LANE 2
8.8m SERVICE VEHICLE - LEFT IN AT 5 km/h
SCALE 1 : 250



INSET I - LANE 2
8.8m SERVICE VEHICLE - LEFT OUT AT 5 km/h
SCALE 1 : 250



INSET J - LANE 2
8.8m SERVICE VEHICLE - LEFT IN AT 5 km/h
SCALE 1 : 250



INSET J - LANE 2
8.8m SERVICE VEHICLE - LEFT OUT AT 5 km/h
SCALE 1 : 250

02	FINAL ISSUE	13/05/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018
Issue	Description	Date



Client



**FRASERS
PROPERTY**

Status

PRELIMINARY ONLY
NOT TO BE USED FOR CONSTRUCTION

Scales

1 : 250

Original

A1

Height

AHD

Grid

MGA

Filename:

C:\g-423-10006310-nsd-TurningPathsSheet12.dwg

Current Issue Signatures

Drawn

Designed

Checked

Approved

Project

SHELL COVE
PRECINCT F AND G
AND WETLAND 08

Title

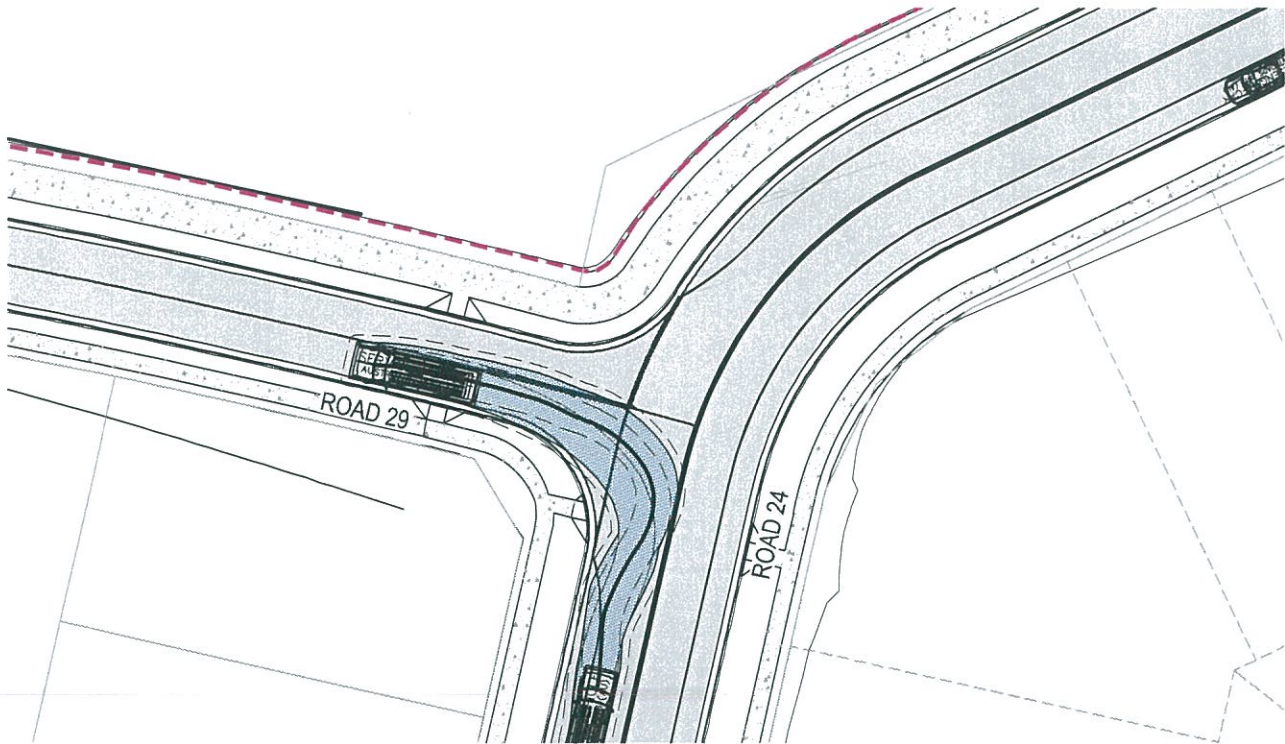
TURNING PATHS
SHEET 12



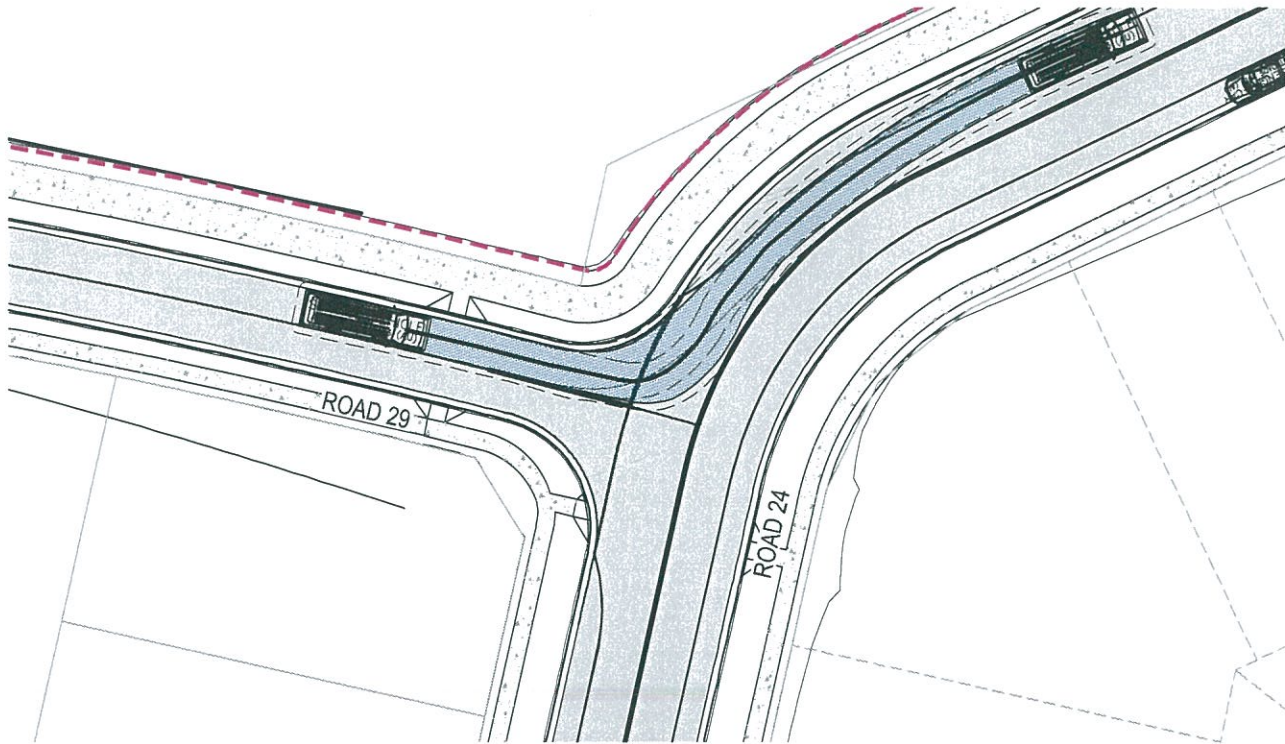
Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No.	Project No.	Issue
C-FG-423 -	10006310	- 02

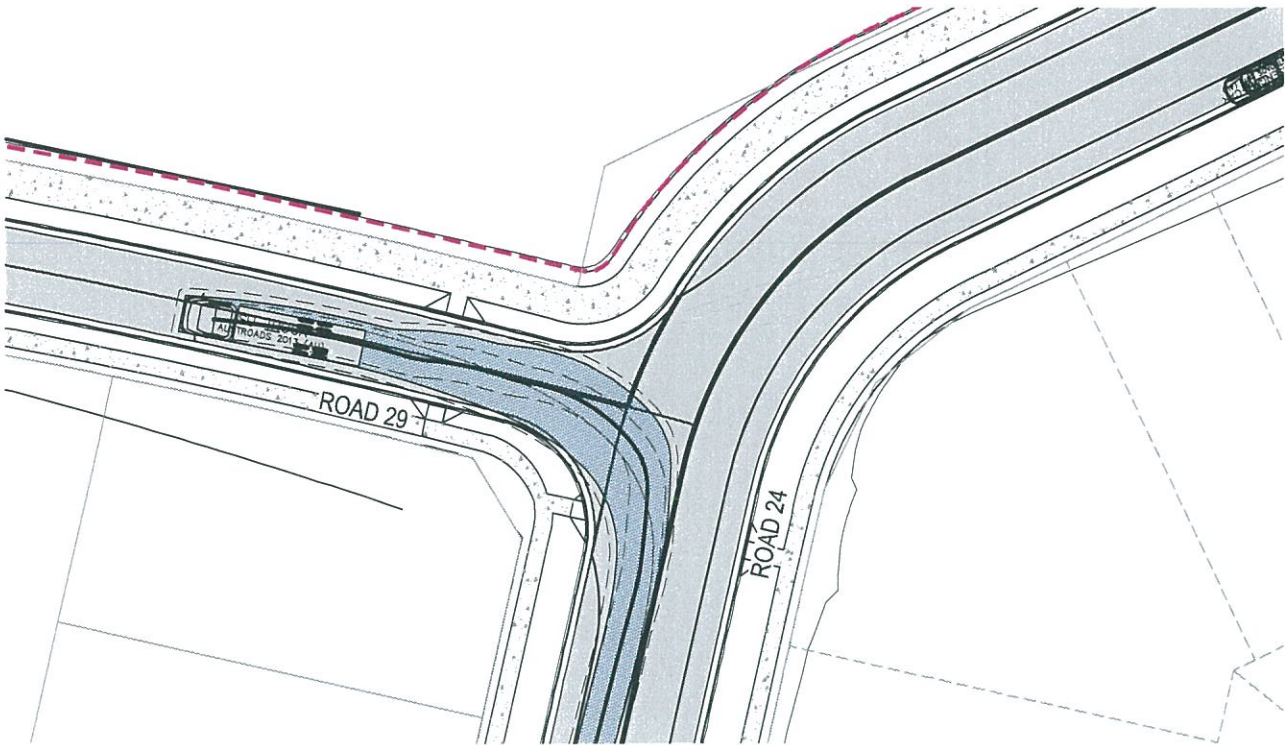
NOTE
1. 8.8m DESIGN VEHICLE AND 12.5m CHECK VEHICLE USED.
REFER TO DWG C-FG-411 FOR VEHICLE PROFILES.



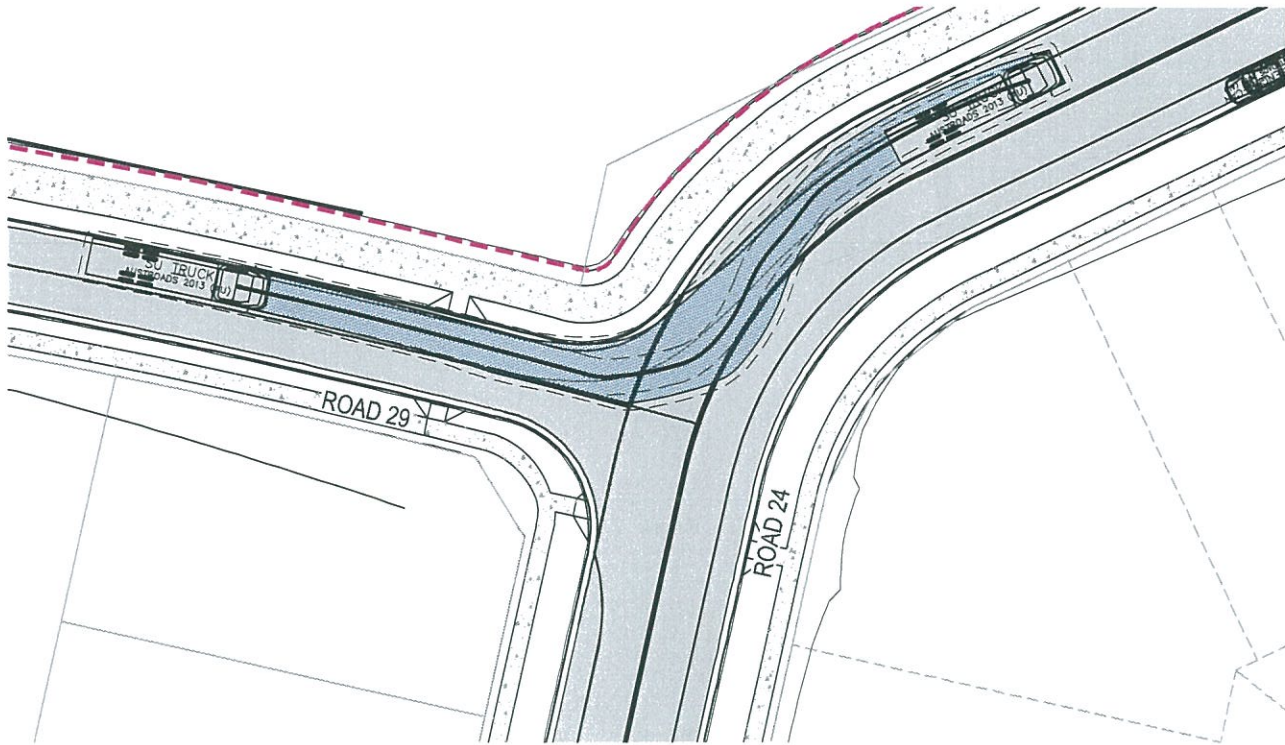
INSET K - ROAD 25
8.8m SERVICE VEHICLE - LEFT IN AT 5 km/h
SCALE 1 : 250



INSET K - ROAD 25
8.8m SERVICE VEHICLE - LEFT IN AT 5 km/h
SCALE 1 : 250



INSET K - ROAD 25
12.5m SU TRUCK - LEFT IN AT 5 km/h
SCALE 1 : 250




INSET K - ROAD 25
12.5m SU TRUCK - LEFT IN AT 5 km/h
SCALE 1 : 250

02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018
Issue	Description	Date



Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1 : 250	Current Issue Signatures
Original Size	A1	Drawn M McDONALD
Height Datum	AHD	Designed G E V E R E T T
Grid	MGA	Checked
File name:	C-fg-424-10006310-nsd-TurningPathsSheet13.dwg	

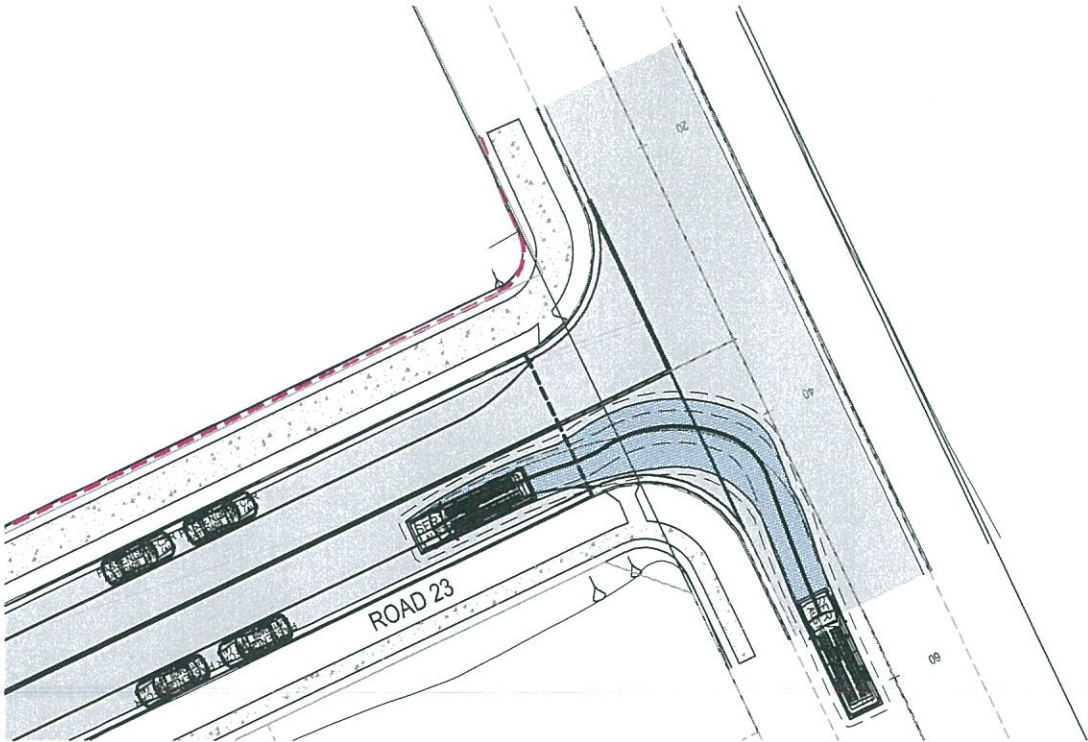
Project	SHELL COVE PRECINCT F AND G AND WETLAND 08
Title	TURNING PATHS SHEET 13



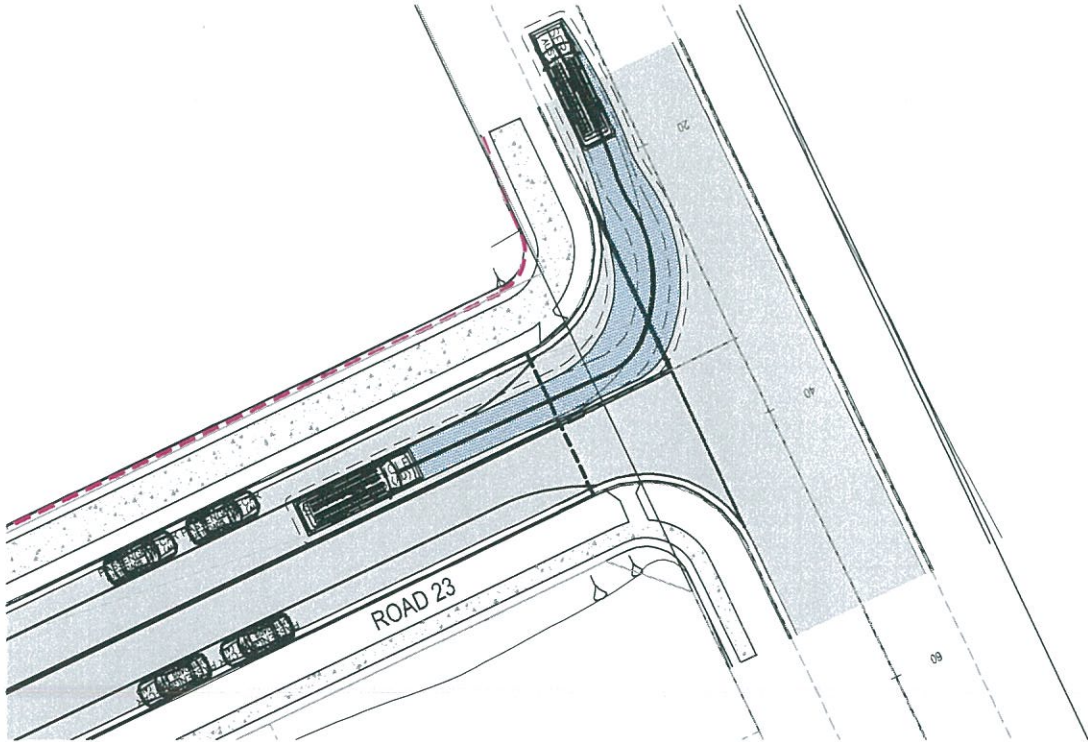
Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No.	Project No.	Issue
C-FG-424	10006310	02

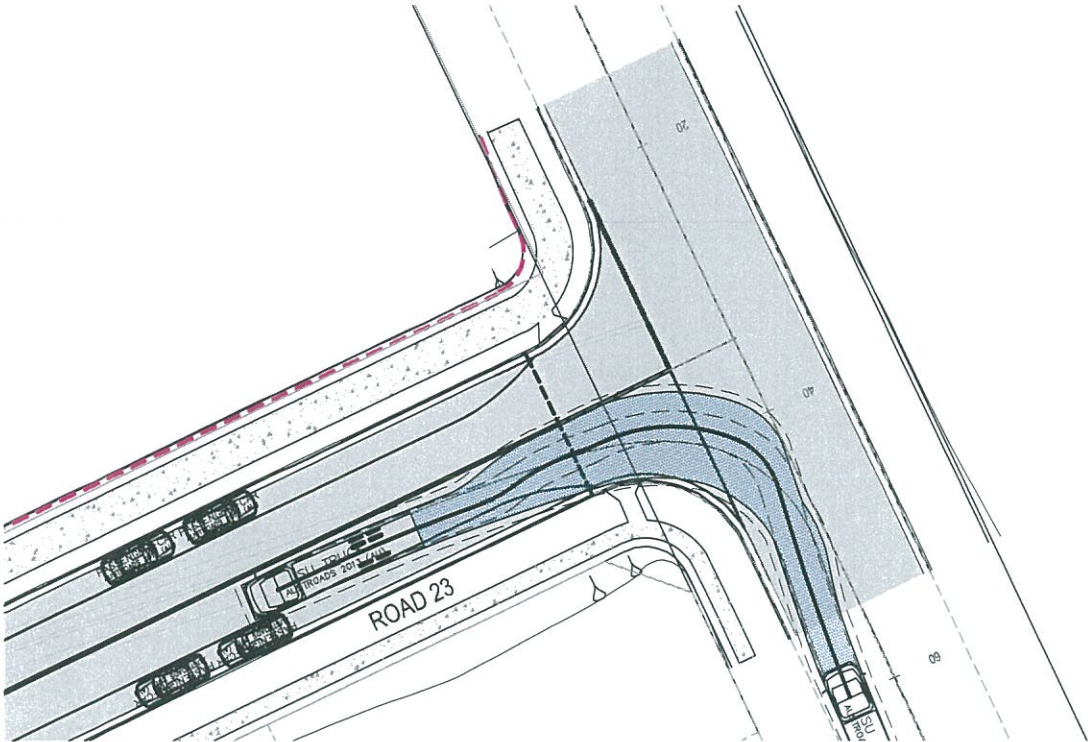
NOTE
1. 8.8m DESIGN VEHICLE AND 12.5m CHECK VEHICLE USED.
REFER TO DWG C-FG-411 FOR VEHICLE PROFILES.



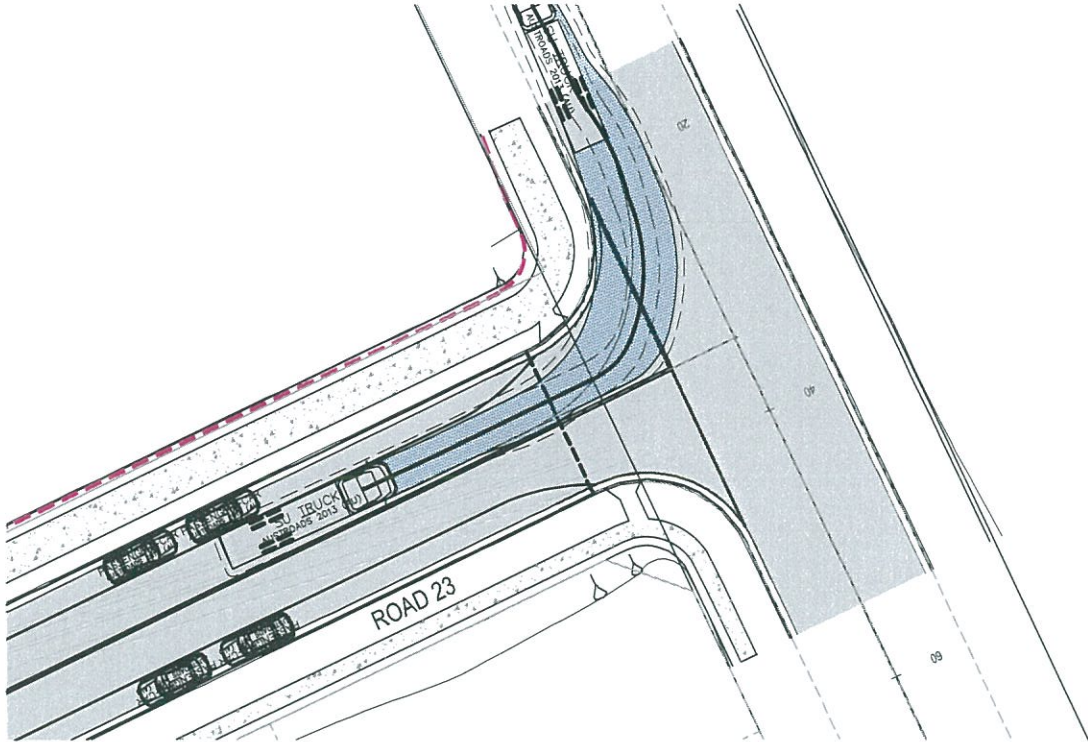
INSET L - ROAD 23
8.8m SERVICE VEHICLE - LEFT IN AT 5 km/h
SCALE 1 : 250



INSET L - ROAD 23
8.8m SERVICE VEHICLE - LEFT IN AT 5 km/h
SCALE 1 : 250



INSET L - ROAD 23
12.5m SU TRUCK - LEFT IN AT 5 km/h
SCALE 1 : 250




INSET L - ROAD 23
12.5m SU TRUCK - LEFT IN AT 5 km/h
SCALE 1 : 250

02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018
Issue	Description	Date



Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1 : 250	Current Issue Signatures
Original Size	A1	Drawn M. McDONALD
Height Datum	AHD	Designed G. EVERETT
Grid	MGA	Checked
Filename:	C-fg-425-10006310-nsd-TurningPathsSheet14.dwg	Approved

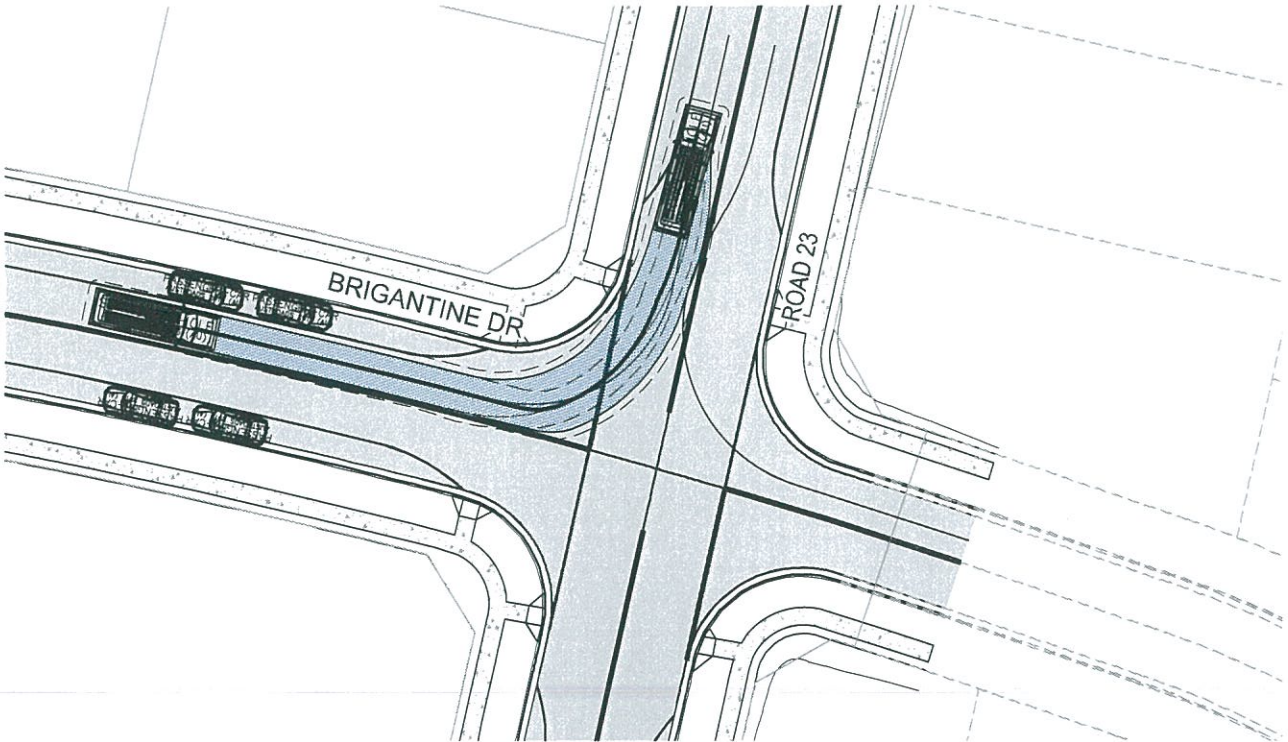
Project	SHELL COVE PRECINCT F AND G AND WETLAND 08	
Title	TURNING PATHS SHEET 14	



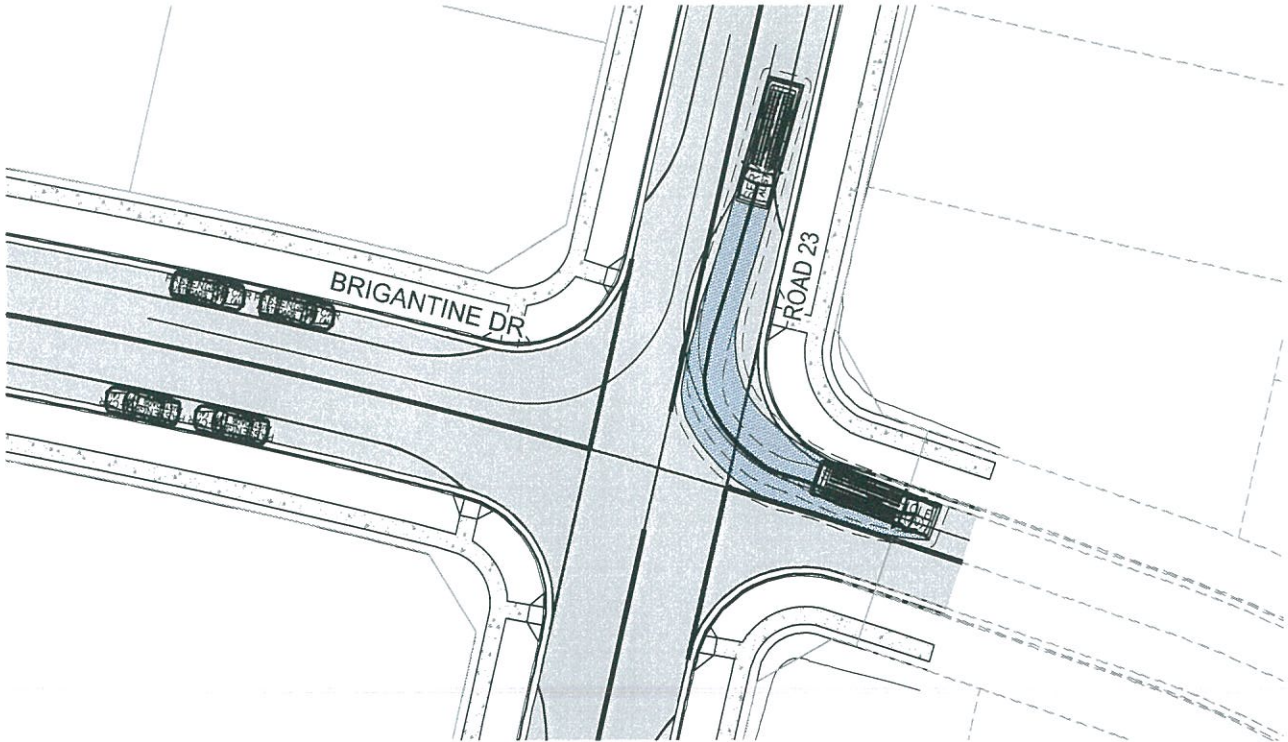
Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No.	Project No.	Issue
C-FG-425 -	10006310	- 02

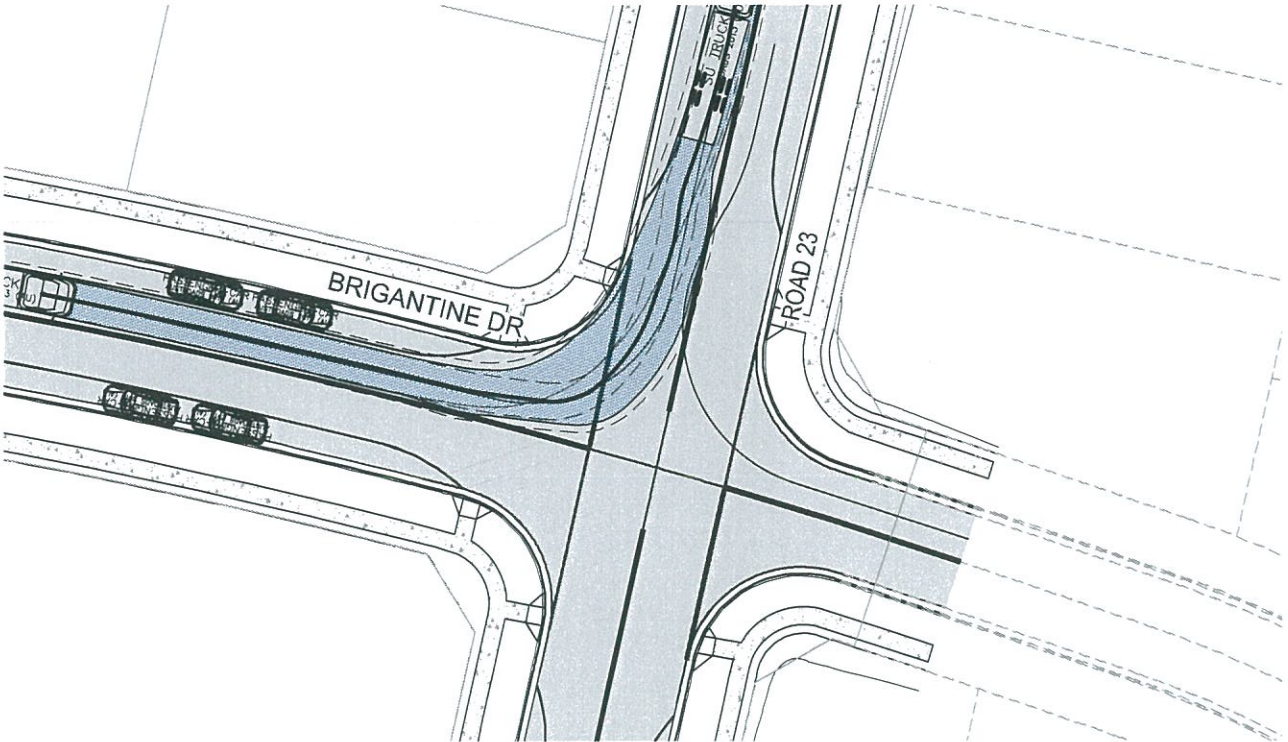
NOTE
1. 8.8m DESIGN VEHICLE AND 12.5m CHECK VEHICLE USED.
REFER TO DWG C-FG-411 FOR VEHICLE PROFILES.



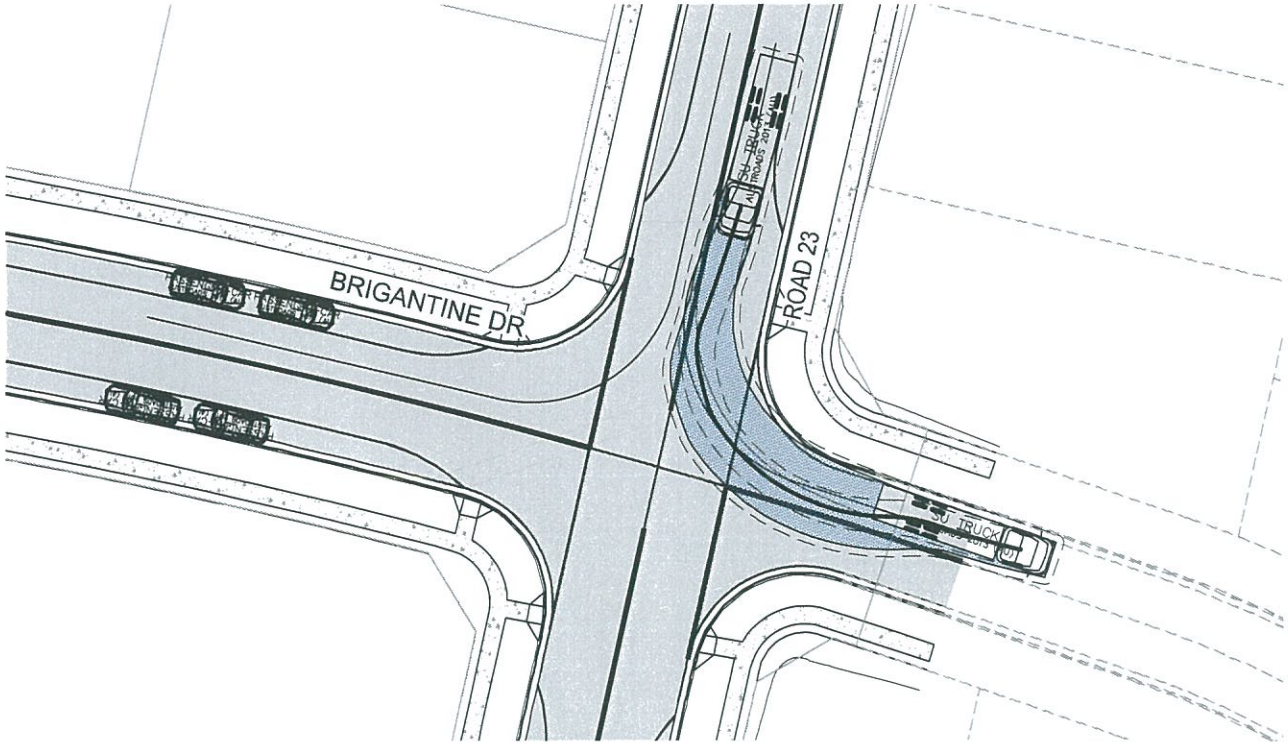
INSET M - ROAD 23 NORTH
8.8m SERVICE VEHICLE - LEFT IN AT 5 km/h
SCALE 1 : 250



INSET M - ROAD 23 NORTH
8.8m SERVICE VEHICLE - LEFT OUT AT 5 km/h
SCALE 1 : 250



INSET M - ROAD 23 NORTH
12.5m SU TRUCK - LEFT IN AT 5 km/h
SCALE 1 : 250



INSET M - ROAD 23 NORTH
12.5m SU TRUCK - LEFT OUT AT 5 km/h
SCALE 1 : 250

02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018
Issue	Description	Date



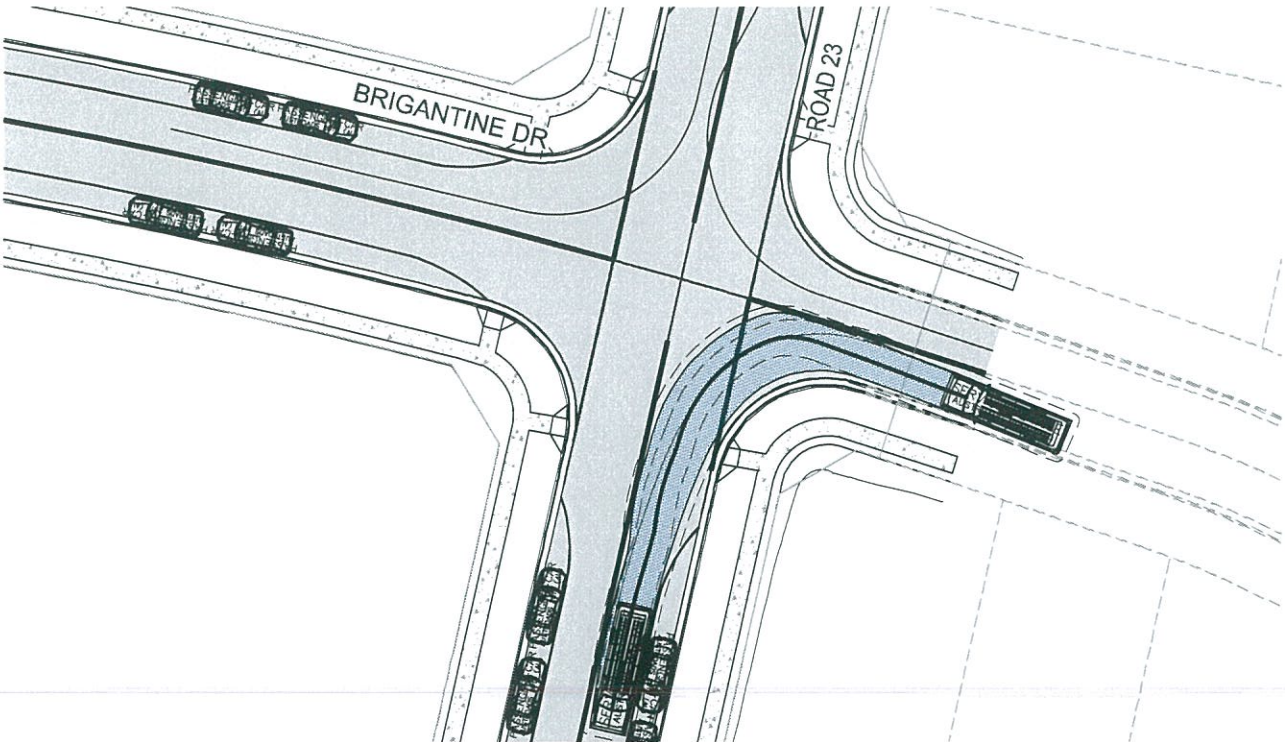
Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1 : 250	Current Issue Signatures
Original Size	A1	Drawn M.McDONALD
Height Datum	AHD	Designed SEVERETT
Grid	MGA	Checked
Filename:	C:\g-426-10006310-nsd-TurningPathsSheet15.dwg	
Approved		

Project	SHELL COVE PRECINCT F AND G AND WETLAND 08	
Title	TURNING PATHS SHEET 15	

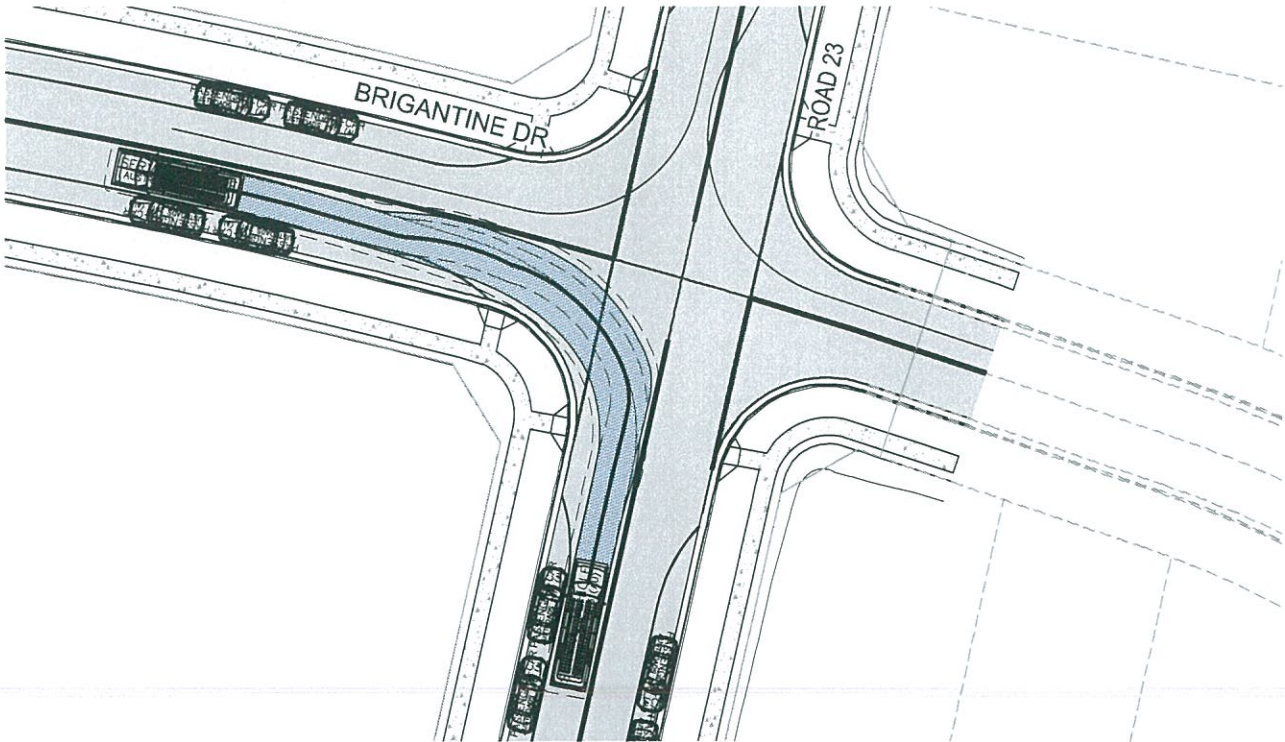
Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No.	Project No.	Issue
C-FG-426	10006310	02

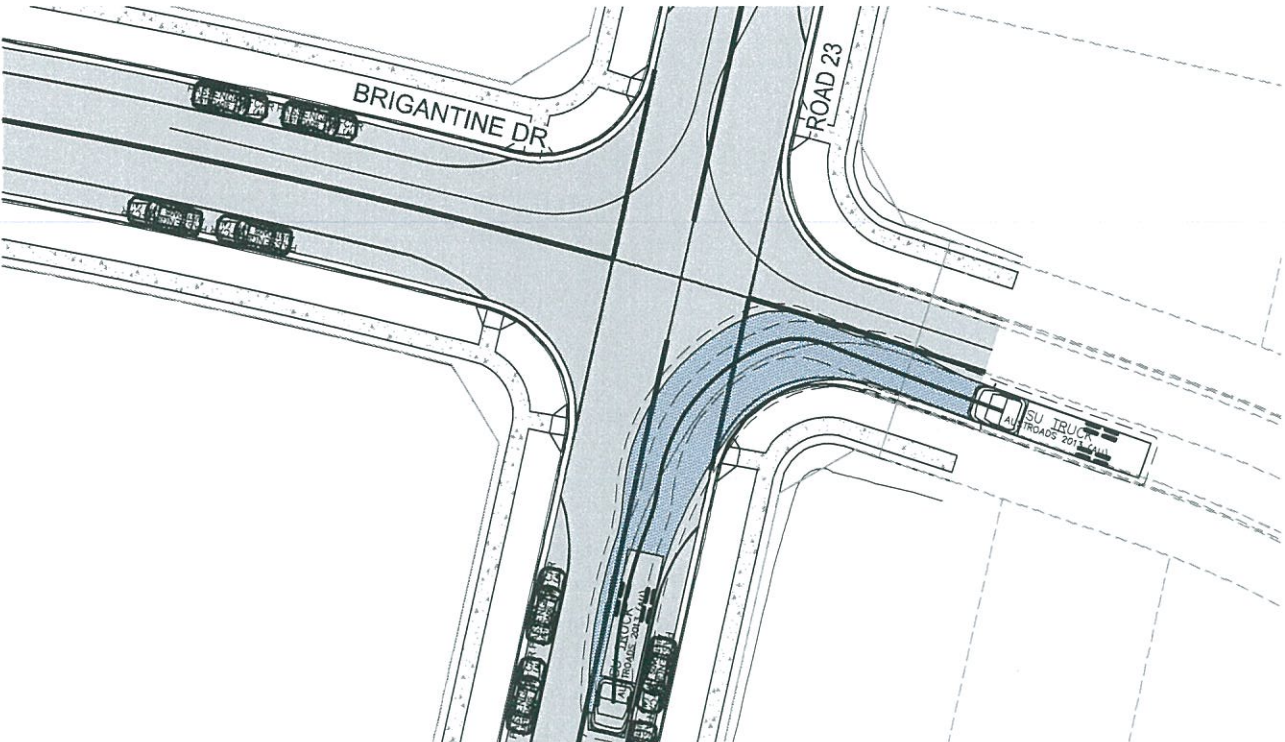
NOTE
1. 8.8m DESIGN VEHICLE AND 12.5m CHECK VEHICLE USED.
REFER TO DWG C-FG-411 FOR VEHICLE PROFILES.



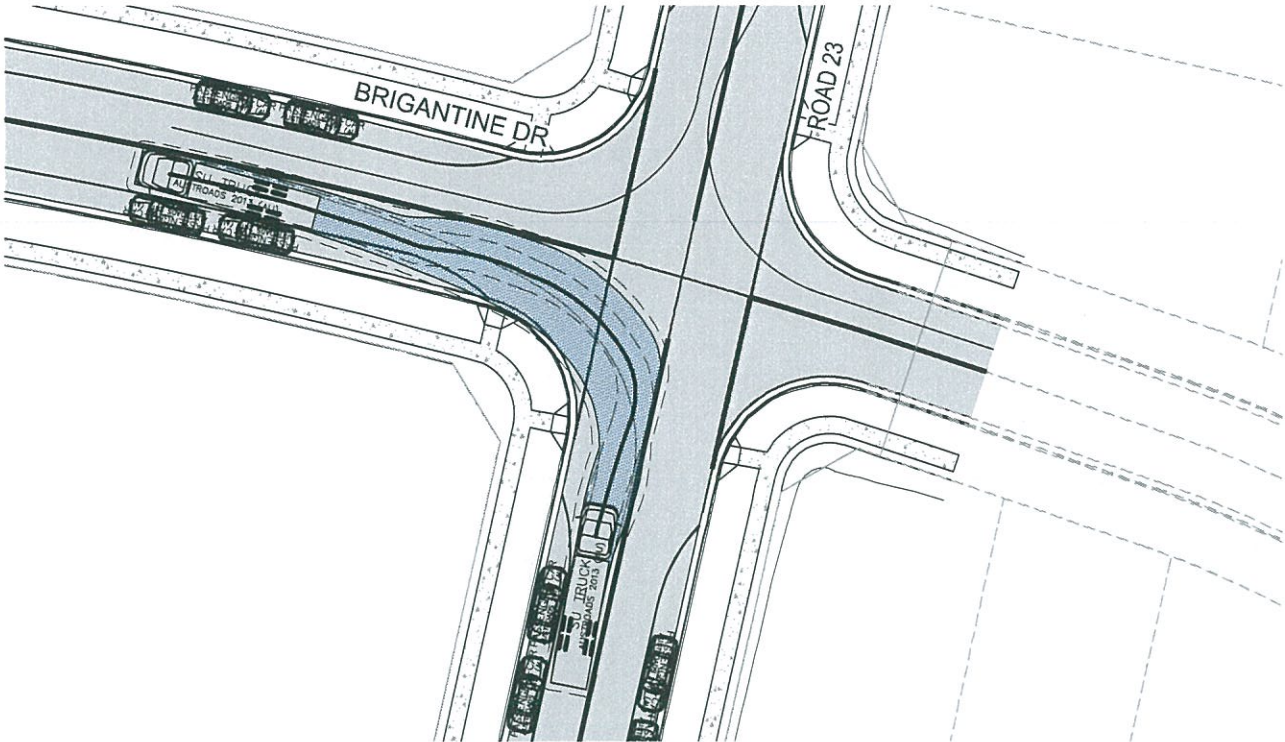
INSET M - ROAD 23 SOUTH
8.8m SERVICE VEHICLE - LEFT IN AT 5 km/h
SCALE 1 : 250



INSET M - ROAD 23 SOUTH
8.8m SERVICE VEHICLE - LEFT OUT AT 5 km/h
SCALE 1 : 250



INSET M - ROAD 23 SOUTH
12.5m SU TRUCK - LEFT IN AT 5 km/h
SCALE 1 : 250




INSET M - ROAD 23 SOUTH
12.5m SU TRUCK - LEFT OUT AT 5 km/h
SCALE 1 : 250

02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018
Issue	Description	Date

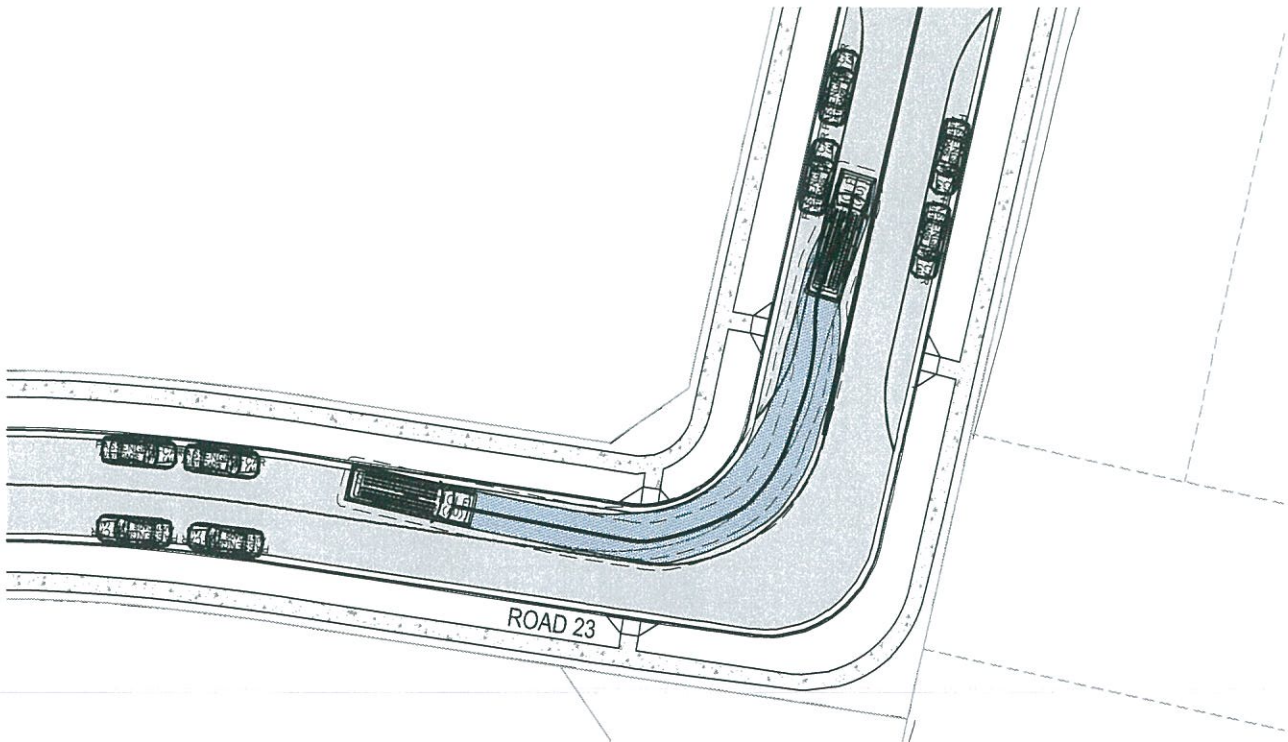


Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1 : 250	Current Issue Signatures
Original Size	A1	Drawn M.MCDONALD
Height Datum	AHD	Designed G.EVERETT
Grid	MGA	Checked
Filename:	C-fg-427-10006310-nsd-TurningPathsSheet16.dwg	

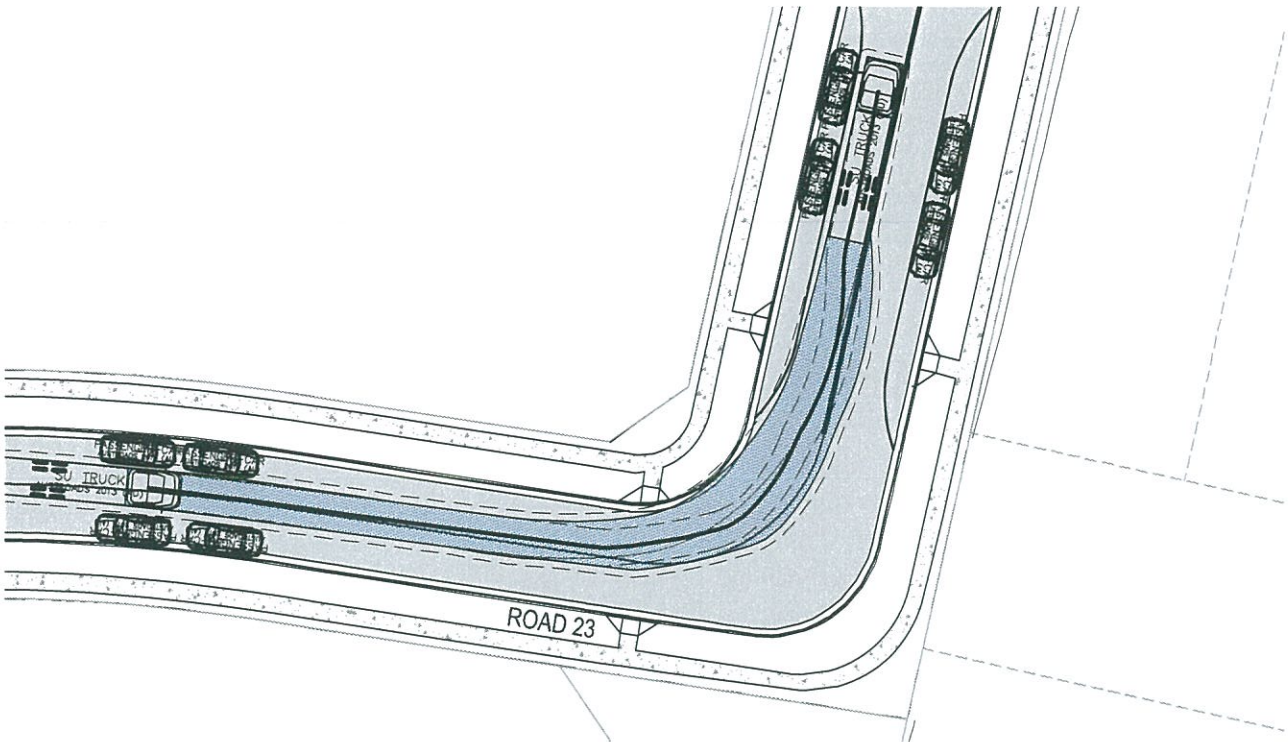
Project	SHELL COVE PRECINCT F AND G AND WETLAND 08
Title	TURNING PATHS SHEET 16

		
Arcadis Australia Pacific Pty Limited Level 16, 580 George Street SYDNEY NSW 2000 ABN 76 104 485 289 Tel No: +61 2 8907 9000 Fax No: +61 2 8907 9001 arcadis.com		
Drawing No.	Project No.	Issue
C-FG-427	10006310	02

NOTE
1. 8.8m DESIGN VEHICLE AND 12.5m CHECK VEHICLE USED.
REFER TO DWG C-FG-411 FOR VEHICLE PROFILES.



INSET N - ROAD 23
8.8m SERVICE VEHICLE - LEFT TURN AT 5 km/h
SCALE 1 : 250



INSET N - ROAD 23
12.5m SU TRUCK - LEFT TURN AT 5 km/h
SCALE 1 : 250

02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018
Issue	Description	Date



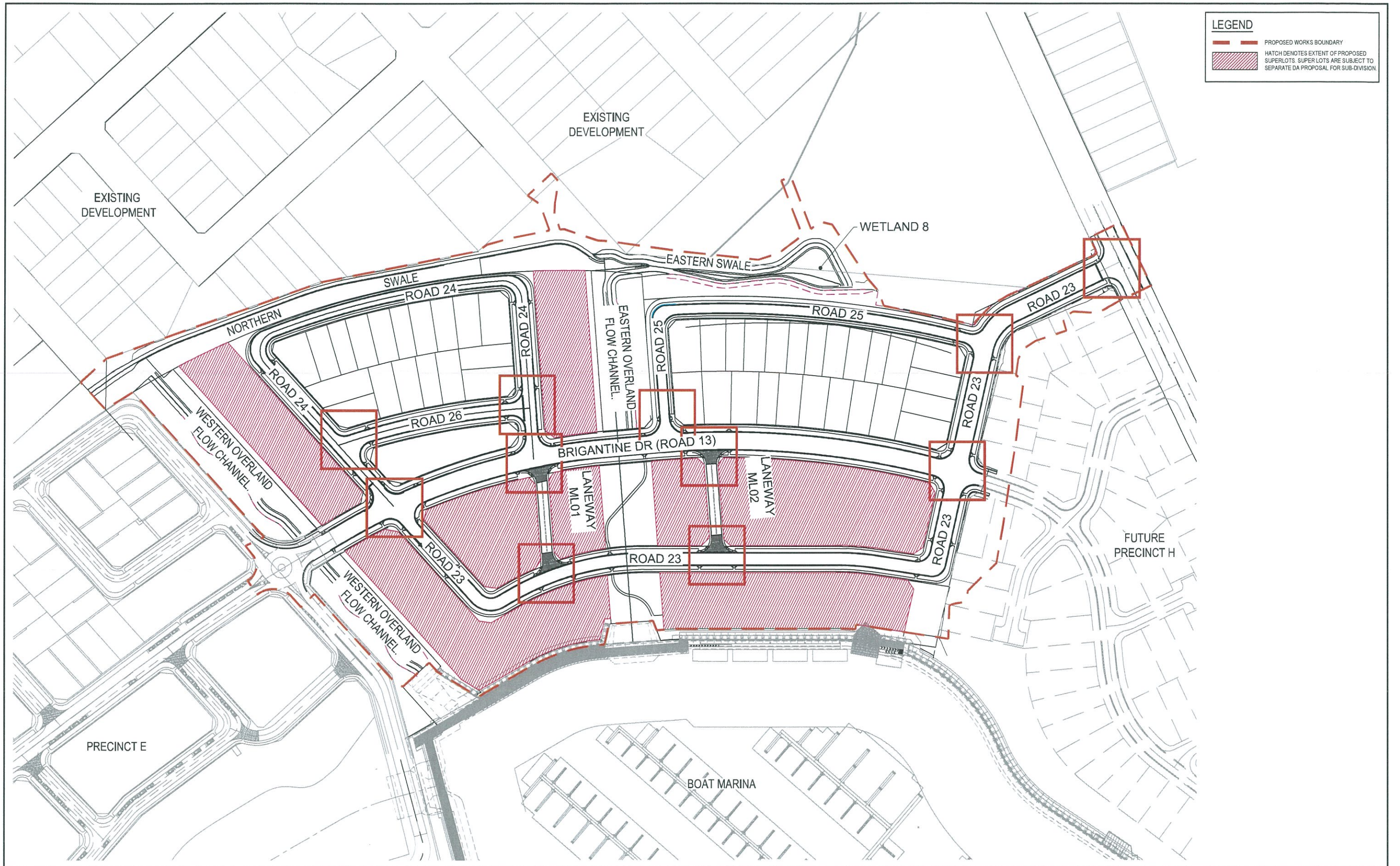
1 : 250



Status PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION		
Scales	1 : 250	Current Issue Signatures
		Drawn M.McDONALD
Original Size	A1	Designed G.EVERETT
Height Datum	AHD	Checked
Grid	MGA	Approved
Filename: C:\g-428-10006310-nsd-TurningPathsSheet17.dwg		

Project SHELL COVE PRECINCT F AND G AND WETLAND 08	
Title TURNING PATHS SHEET 17	

 Arcadis Australia Pacific Pty Limited Level 16, 580 George Street SYDNEY NSW 2000 ABN 76 104 485 289 Tel No: +61 2 8907 9000 Fax No: +61 2 8907 9001 arcadis.com		
Drawing No.	Project No.	Issue
C-FG-428 -	10006310	- 02



LEGEND

- PROPOSED WORKS BOUNDARY
- HATCH DENOTES EXTENT OF PROPOSED SUPERLOTS. SUPER LOTS ARE SUBJECT TO SEPARATE DA PROPOSAL FOR SUB-DIVISION.

02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018
Issue	Description	Date

0 20 40 60 80 100m

1 : 1000

FRASERS PROPERTY

Client

FRASERS PROPERTY

Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1 : 750	Current Issue Signatures
Original Size	A1	Drawn M. McDONALD
Height Datum	AHD	Designed G. EVERETT
Grid	MGA	Checked
File name:	C:\fg-431-10006310-nsd-SightDistanceLayoutPlan.dwg	

Project

SHELL COVE
PRECINCT F AND G
AND WETLAND 08

Title

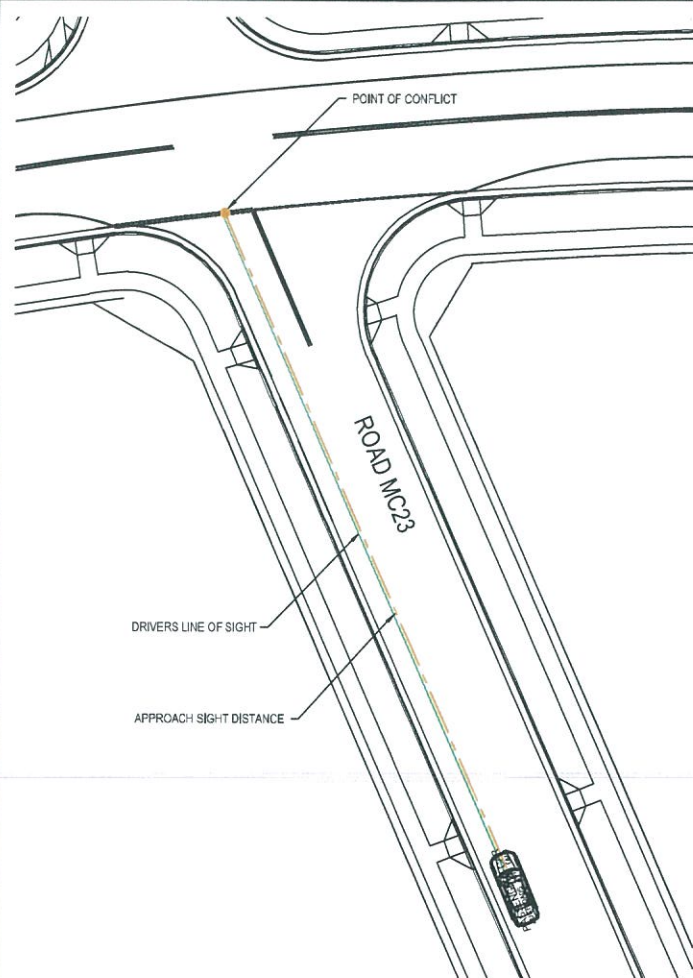
SIGHT DISTANCE
LAYOUT PLAN

ARCADIS

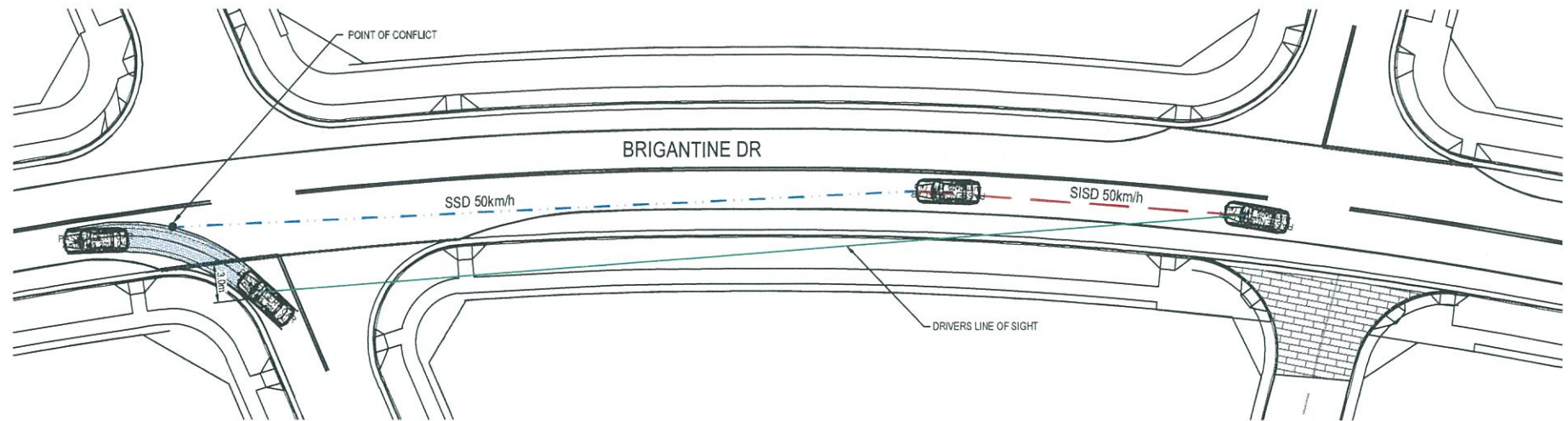
Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No. Project No. Issue

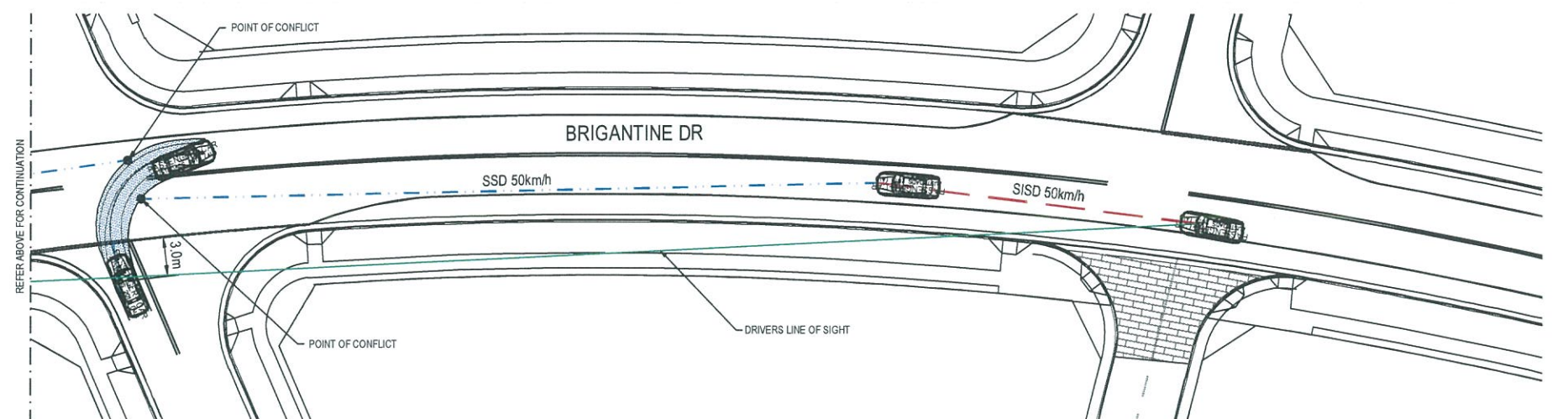
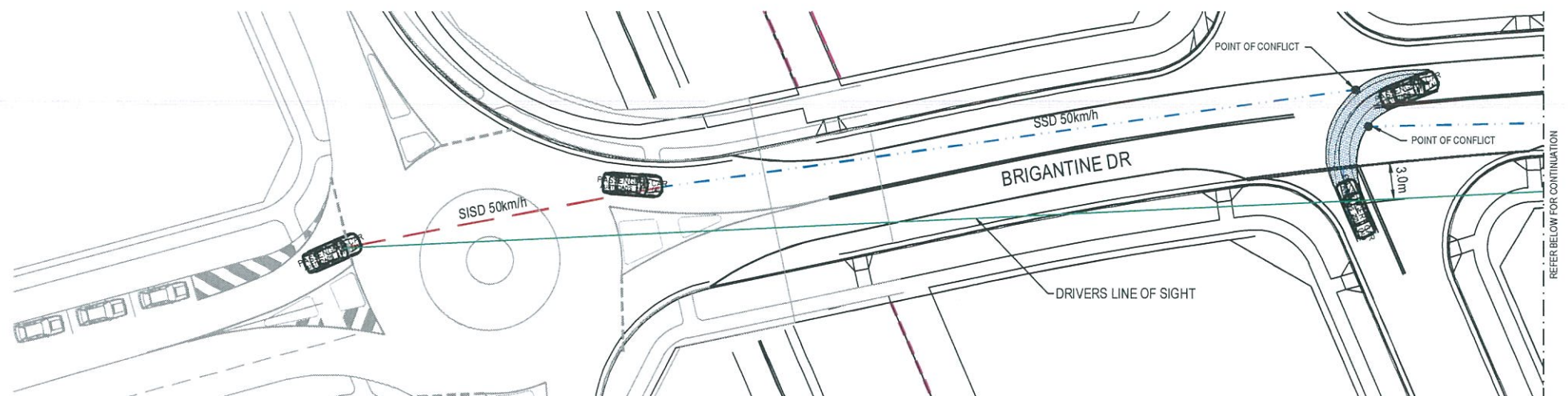
C-FG-431 - 10006310 - 02



INTERSECTION 1 ROAD MC23 - BRIGANTINE DR
APPROACH SIGHT LINES
SCALE 1 : 250



INTERSECTION 1 ROAD MC23 - BRIGANTINE DR
LEFT TURN OUT SAFE SIGHT DISTANCE
SCALE 1 : 250



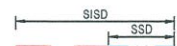
INTERSECTION 1 ROAD MC23 - BRIGANTINE DR
LEFT TURN OUT SAFE SIGHT DISTANCE
SCALE 1 : 250

INTERSECTION APPROACH SIGHT DISTANCE (ASD)

REACTION TIME	1.5s
COEFFICIENT OF DECELERATION	0.362
OPERATING SPEED	50km/h
LONGITUDINAL GRADE	0.00%
SAFE INTERSECTION SITE DISTANCE (ASD)	48.02m

SAFE INTERSECTION SIGHT DISTANCES (SISD)

DIRECTION OF EXIT FROM INTERSECTION	LEFT OUT
DIRECTION OF APPROACHING TRAFFIC	BRIGANTINE DR WEST BOUND
DECISION TIME	1.5s
COEFFICIENT OF DECELERATION	0.46
OPERATING SPEED	50km/h
LONGITUDINAL GRADE	0.00%
SAFE INTERSECTION SITE DISTANCE (SSD)	48.02m
DIRECTION OF EXIT FROM INTERSECTION	RIGHT OUT
DIRECTION OF APPROACHING TRAFFIC	BRIGANTINE DR WEST BOUND AND EASTBOUND
DECISION TIME	1.5s
COEFFICIENT OF DECELERATION	0.46
OPERATING SPEED	50km/h
LONGITUDINAL GRADE	0.00%
SAFE INTERSECTION SITE DISTANCE (SISD)	83.89m



Issue	Description	Date
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018

0 5 10 15 20 25m

1 : 250



Client



Status

PRELIMINARY ONLY
NOT TO BE USED FOR CONSTRUCTION

Scales 1 : 250

Original Size A1

Height Datum AHD

Grid MGA

File name: C:\g-432-10006310-nad-SightDistancePlansSheet1.dwg

Current Issue Signatures

Drawn M McDONALD

Designed G EVERETT

Checked

Approved

Project

SHELL COVE
PRECINCT F AND G
AND WETLAND 08

Title

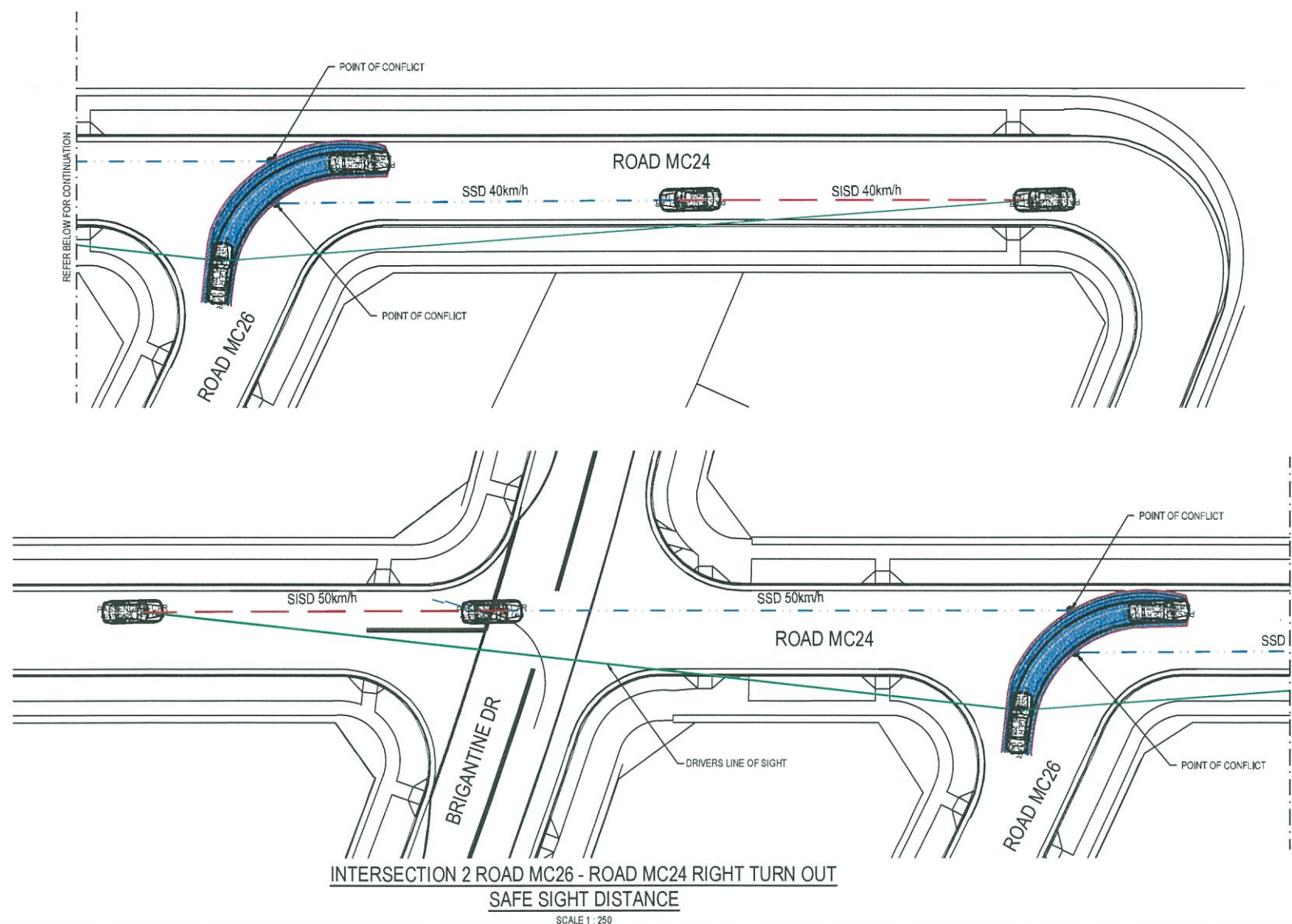
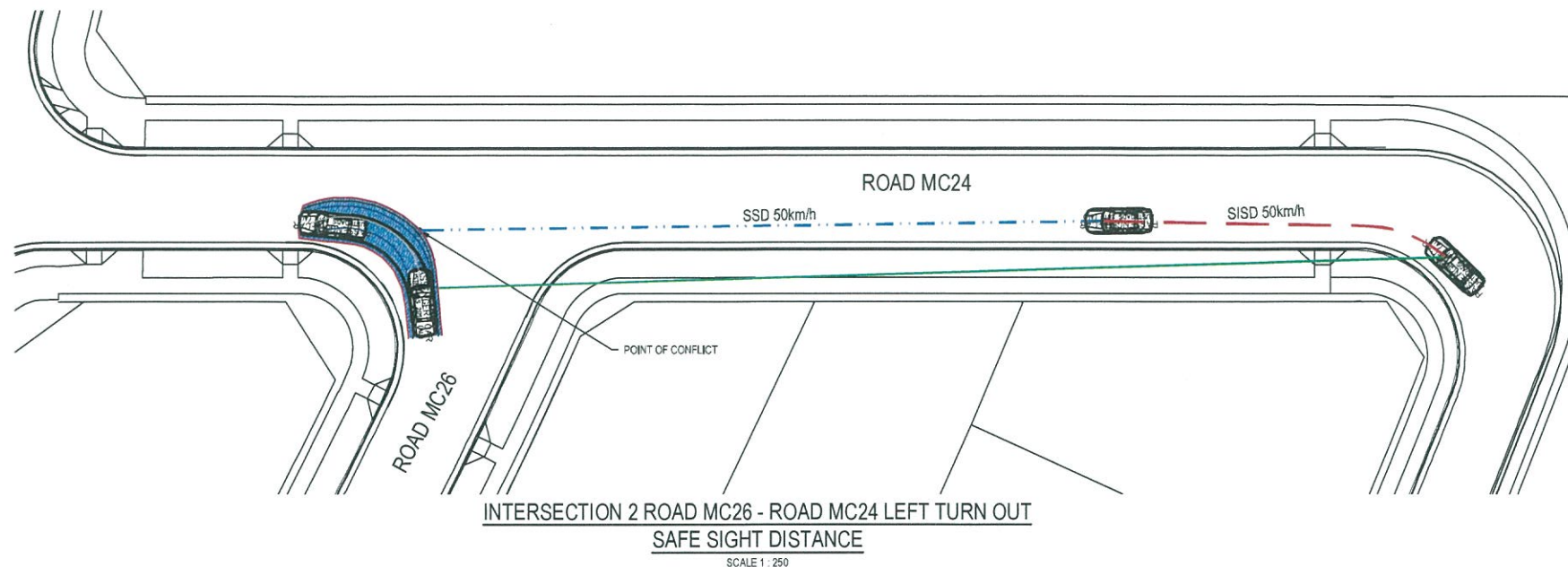
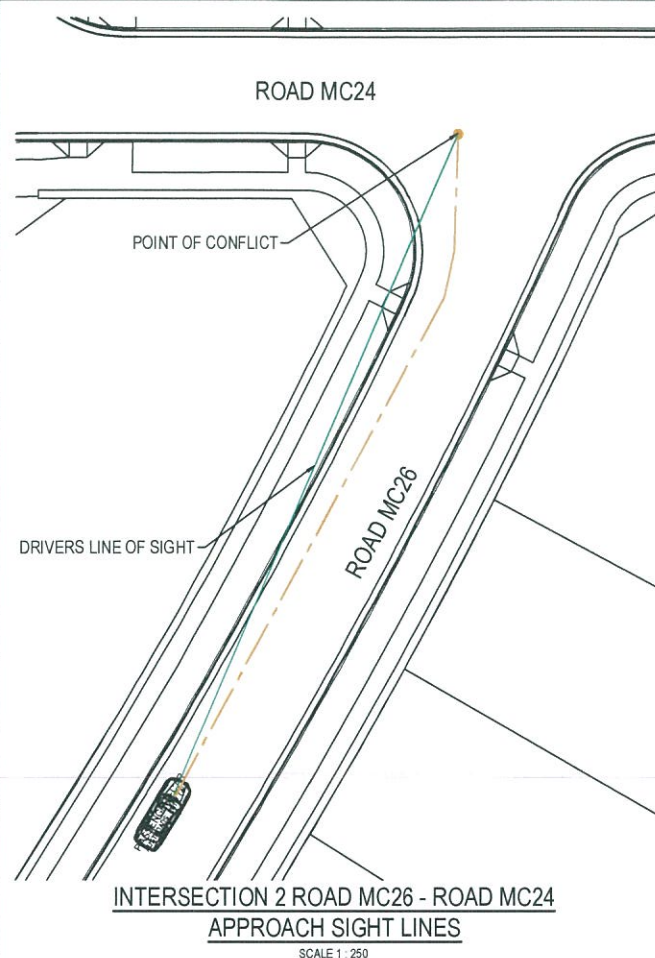
SIGHT DISTANCE PLANS
SHEET 1



Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No. C-FG-432 - Project No. 10006310 - Issue 02

Date Plotted: 13 Jun 2018 - 11:18AM File Name: F:\A006310\10-E-CAD\10-Civil\Final\K-C-Precinct F And G-C-FG-432-10006310-nad-SightDistancePlansSheet1.dwg V1



INTERSECTION APPROACH SIGHT DISTANCE (ASD)

REACTION TIME	1.5s
COEFFICIENT OF DECELERATION	0.362
OPERATING SPEED	50km/h
LONGITUDINAL GRADE	0.00%
SAFE INTERSECTION SITE DISTANCE (ASD)	48.02m

SAFE INTERSECTION SIGHT DISTANCES (SISD)

DIRECTION OF EXIT FROM INTERSECTION	LEFT OUT
DIRECTION OF APPROACHING TRAFFIC	ROAD MC24 SOUTH BOUND
DECISION TIME	1.5s
COEFFICIENT OF DECELERATION	0.46
OPERATING SPEED	40km/h
LONGITUDINAL GRADE	0.00%
SAFE INTERSECTION SITE DISTANCE (SSD)	34.07m
DIRECTION OF EXIT FROM INTERSECTION	RIGHT OUT
DIRECTION OF APPROACHING TRAFFIC	ROAD MC24 SOUTH BOUND AND SOUTHBOUND
DECISION TIME	1.5s
COEFFICIENT OF DECELERATION	0.46
OPERATING SPEED	40km/h
LONGITUDINAL GRADE	0.00%
SAFE INTERSECTION SITE DISTANCE (SSD)	63.70m
DIRECTION OF EXIT FROM INTERSECTION	LEFT OUT
DIRECTION OF APPROACHING TRAFFIC	ROAD MC24 SOUTH BOUND
DECISION TIME	1.5s
COEFFICIENT OF DECELERATION	0.46
OPERATING SPEED	50km/h
LONGITUDINAL GRADE	0.00%
SAFE INTERSECTION SITE DISTANCE (SSD)	48.02m
DIRECTION OF EXIT FROM INTERSECTION	RIGHT OUT
DIRECTION OF APPROACHING TRAFFIC	ROAD MC24 SOUTH BOUND AND SOUTHBOUND
DECISION TIME	1.5s
COEFFICIENT OF DECELERATION	0.46
OPERATING SPEED	50km/h
LONGITUDINAL GRADE	0.00%
SAFE INTERSECTION SITE DISTANCE (SSD)	83.89m

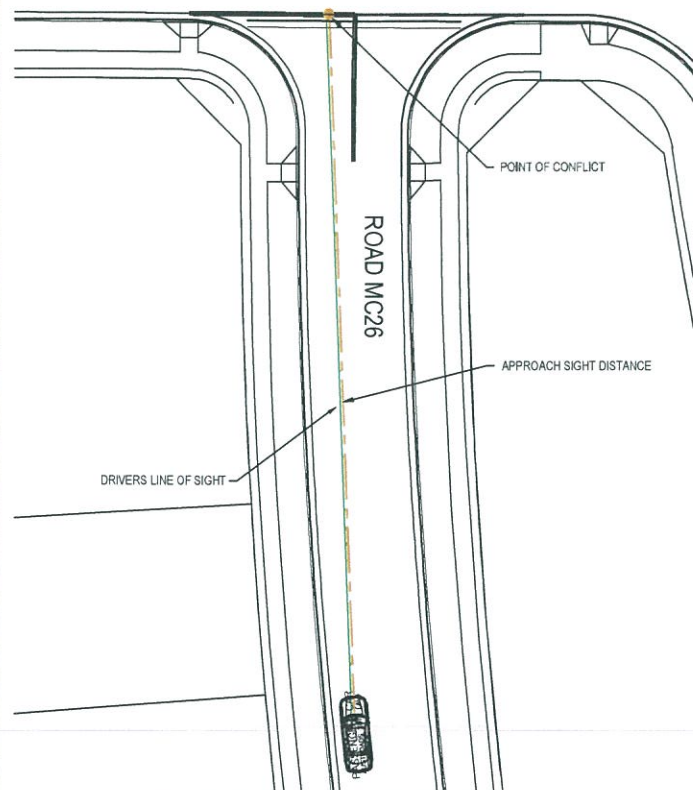
Issue	Description	Date
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018



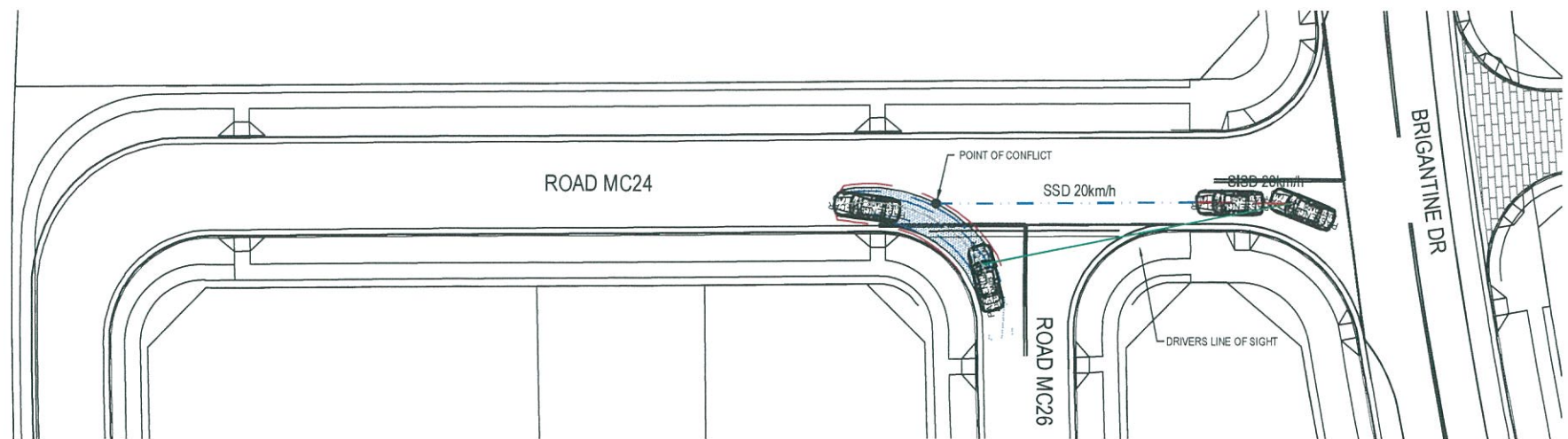
Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1 : 250	Current Issue Signatures
Original Size	A1	Drawn M.McDONALD
Height Datum	AHD	Designed G.EVERETT
Grid	MGA	Checked
Filename	C:\g-433-10006310-nsd-SightDistancePlansSheet2.dwg	

Project	SHELL COVE PRECINCT F AND G AND WETLAND 08	
Title	SIGHT DISTANCE PLANS SHEET 2	

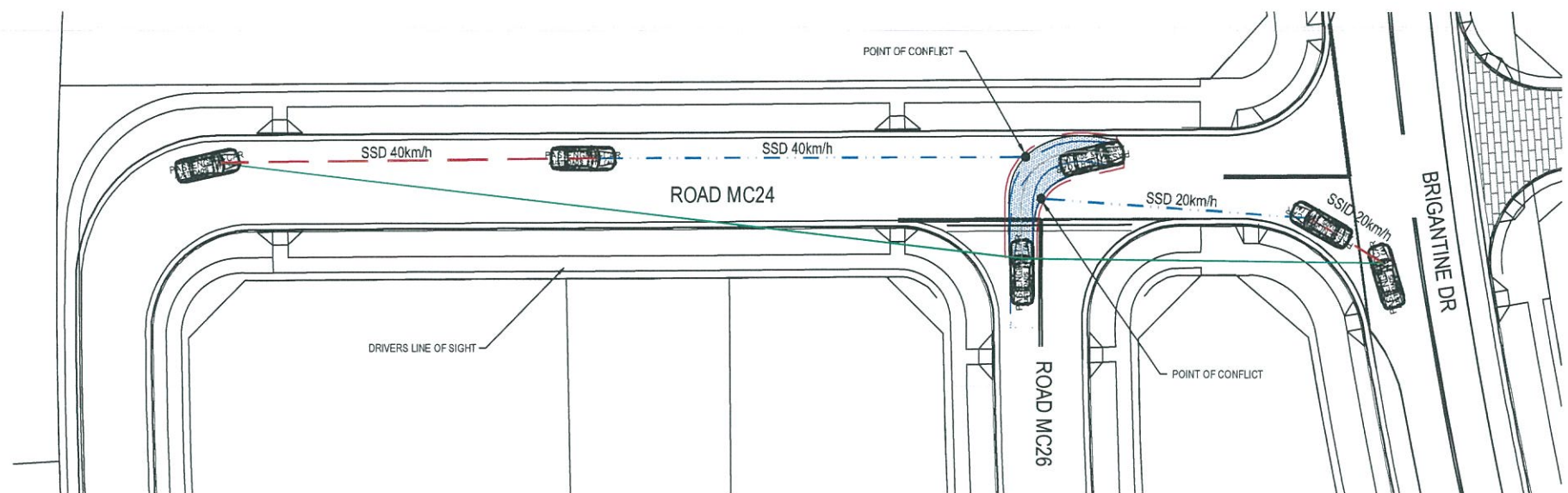
Arcadis Australia Pacific Pty Limited Level 16, 580 George Street SYDNEY NSW 2000 ABN 76 104 485 289 Tel No: +61 2 8907 9000 Fax No: +61 2 8907 9001 arcadis.com		
Drawing No.	Project No.	Issue
C-FG-433	10006310	02



INTERSECTION 3 ROAD MC26 - ROAD MC24
APPROACH SIGHT LINES
SCALE 1 : 250



INTERSECTION 3 MC26 - MC24
LEFT TURN OUT SAFE SIGHT DISTANCE
SCALE 1 : 250



INTERSECTION 3 MC26 - MC24
RIGHT TURN OUT SAFE SIGHT DISTANCE
SCALE 1 : 250

INTERSECTION APPROACH SIGHT DISTANCE (ASD)

REACTION TIME	1.5s
COEFFICIENT OF DECELERATION	0.362
OPERATING SPEED	50km/h
LONGITUDINAL GRADE	1.00%
SAFE INTERSECTION SITE DISTANCE (ASD)	47.29m

SAFE INTERSECTION SIGHT DISTANCES (SISD)

DIRECTION OF EXIT FROM INTERSECTION	LEFT OUT
DIRECTION OF APPROACHING TRAFFIC	ROAD MC24 SOUTH BOUND
DECISION TIME	4.5s
COEFFICIENT OF DECELERATION	0.362
OPERATING SPEED	20km/h
LONGITUDINAL GRADE	0.00%
SAFE INTERSECTION SITE DISTANCE (SISD)	29.52m
DIRECTION OF EXIT FROM INTERSECTION	RIGHT OUT
DIRECTION OF APPROACHING TRAFFIC	MC03 NORTH BOUND
DECISION TIME	4.5s
COEFFICIENT OF DECELERATION	0.362
OPERATING SPEED	20km/h
LONGITUDINAL GRADE	0.0%
SAFE INTERSECTION SITE DISTANCE (SISD)	29.47m
DIRECTION OF EXIT FROM INTERSECTION	LEFT OUT
DIRECTION OF APPROACHING TRAFFIC	ROAD MC24 SOUTH BOUND
DECISION TIME	1.5s
COEFFICIENT OF DECELERATION	0.46
OPERATING SPEED	40km/h
LONGITUDINAL GRADE	0.00%
SAFE INTERSECTION SITE DISTANCE (SSD)	34.07m
DIRECTION OF EXIT FROM INTERSECTION	RIGHT OUT
DIRECTION OF APPROACHING TRAFFIC	ROAD MC24 SOUTH BOUND AND SOUTHBOUND
DECISION TIME	1.5s
COEFFICIENT OF DECELERATION	0.46
OPERATING SPEED	40km/h
LONGITUDINAL GRADE	0.0%
SAFE INTERSECTION SITE DISTANCE (SISD)	63.70m

Issue	Description	Date
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018

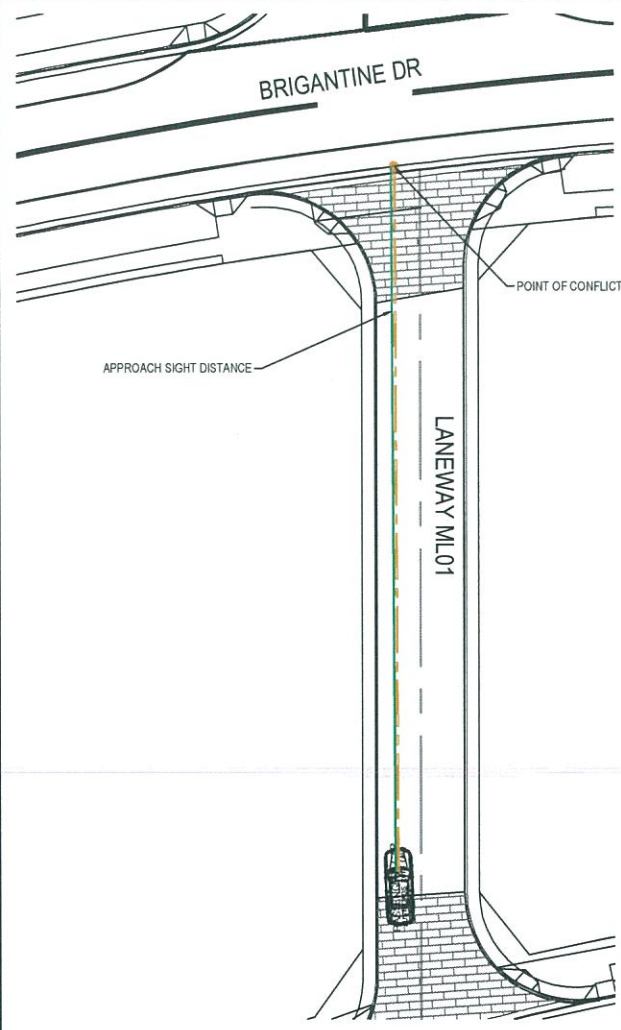
0 5 10 15 20 25m
1 : 250



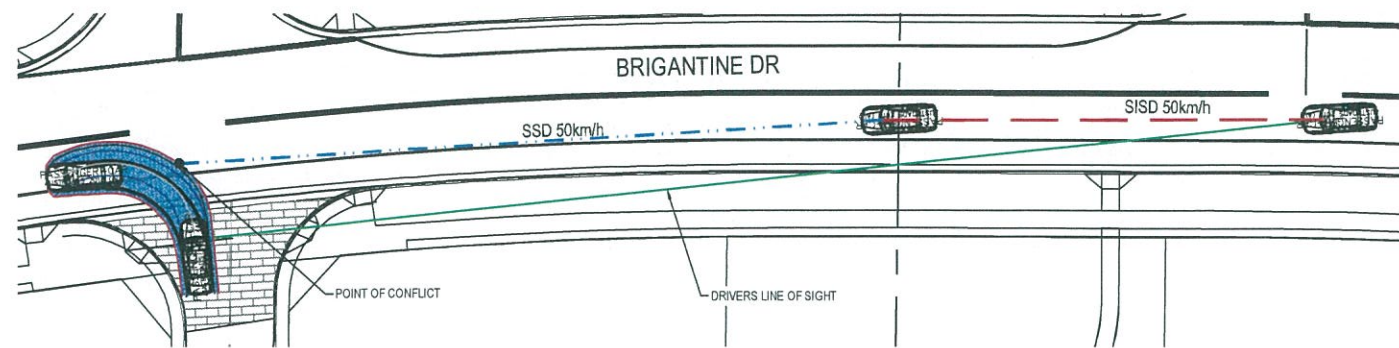
Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1 : 250	Current Issue Signatures
Original Size	A1	Drawn M McDONALD
Height	AHD	Designed G EVERETT
Grid	MGA	Checked
File name:	C:\g-434-10006310-mad-SightDistancePlansSheet3.dwg	

Project	SHELL COVE PRECINCT F AND G AND WETLAND 08
Title	SIGHT DISTANCE PLANS SHEET 3

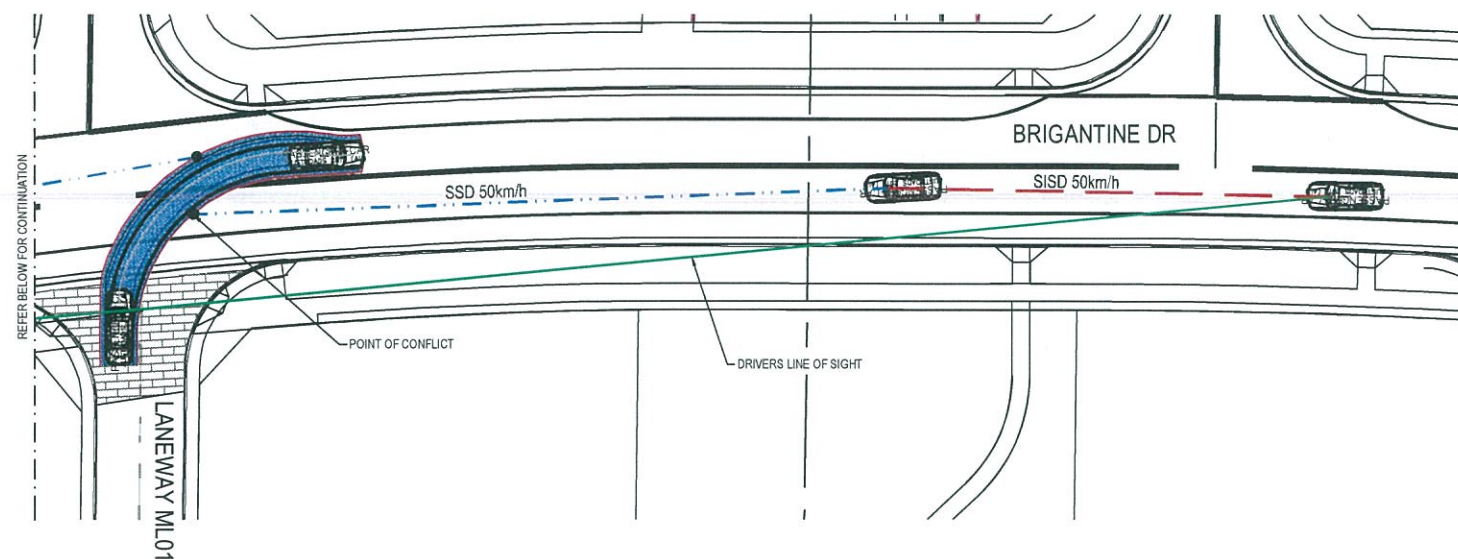
Arcadis Australia Pacific Pty Limited Level 16, 580 George Street SYDNEY NSW 2000 ABN 76 104 485 289 Tel No: +61 2 8907 9000 Fax No: +61 2 8907 9001 arcadis.com		
Drawing No.	Project No.	Issue
C-FG-434	10006310	02



INTERSECTION 4 LANEWAY ML01 - BRIGANTINE DR
APPROACH SIGHT LINES
SCALE 1 : 250



INTERSECTION 4 LANEWAY ML01 - BRIGANTINE DR
LEFT TURN OUT SAFE SIGHT DISTANCE
SCALE 1 : 250



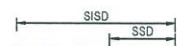
INTERSECTION 4 LANEWAY ML01 - BRIGANTINE DR
RIGHT TURN OUT SAFE SIGHT DISTANCE
SCALE 1 : 250

INTERSECTION APPROACH SIGHT DISTANCE (ASD)

REACTION TIME	1.5s
COEFFICIENT OF DECELERATION	0.362
OPERATING SPEED	50km/h
LONGITUDINAL GRADE	0.00%
SAFE INTERSECTION SITE DISTANCE (ASD)	48.02m

SAFE INTERSECTION SIGHT DISTANCES (SISD)

DIRECTION OF EXIT FROM INTERSECTION	LEFT OUT
DIRECTION OF APPROACHING TRAFFIC	BRIGANTINE DR WEST BOUND
DECISION TIME	1.5s
COEFFICIENT OF DECELERATION	0.46
OPERATING SPEED	50km/h
LONGITUDINAL GRADE	0.00%
SAFE INTERSECTION SITE DISTANCE (SSD)	48.02m
DIRECTION OF EXIT FROM INTERSECTION	RIGHT OUT
DIRECTION OF APPROACHING TRAFFIC	BRIGANTINE DR WEST BOUND AND EASTBOUND
DECISION TIME	1.5s
COEFFICIENT OF DECELERATION	0.46
OPERATING SPEED	50km/h
LONGITUDINAL GRADE	0.00%
SAFE INTERSECTION SITE DISTANCE (SISD)	83.89m



Issue	Description	Date
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018

0 5 10 15 20 25m

1 : 250



Client



Status

PRELIMINARY ONLY
NOT TO BE USED FOR CONSTRUCTION

Scales

1 : 250

Original Size

A1

Height Datum

AHD

Grid

MGA

Filename: C:\g-435-10006310-nad-SightDistancePlansSheet4.dwg

Current Issue Signatures

Drawn

M. McDONALD

Designed

G. EVERETT

Checked

Approved

Project

SHELL COVE
PRECINCT F AND G
AND WETLAND 08

Title

SIGHT DISTANCE PLANS
SHEET 4

Drawing No.

C-FG-435

Project No.

10006310

Issue

02

Date Plotted: 13 Jun 2018 - 11:25AM

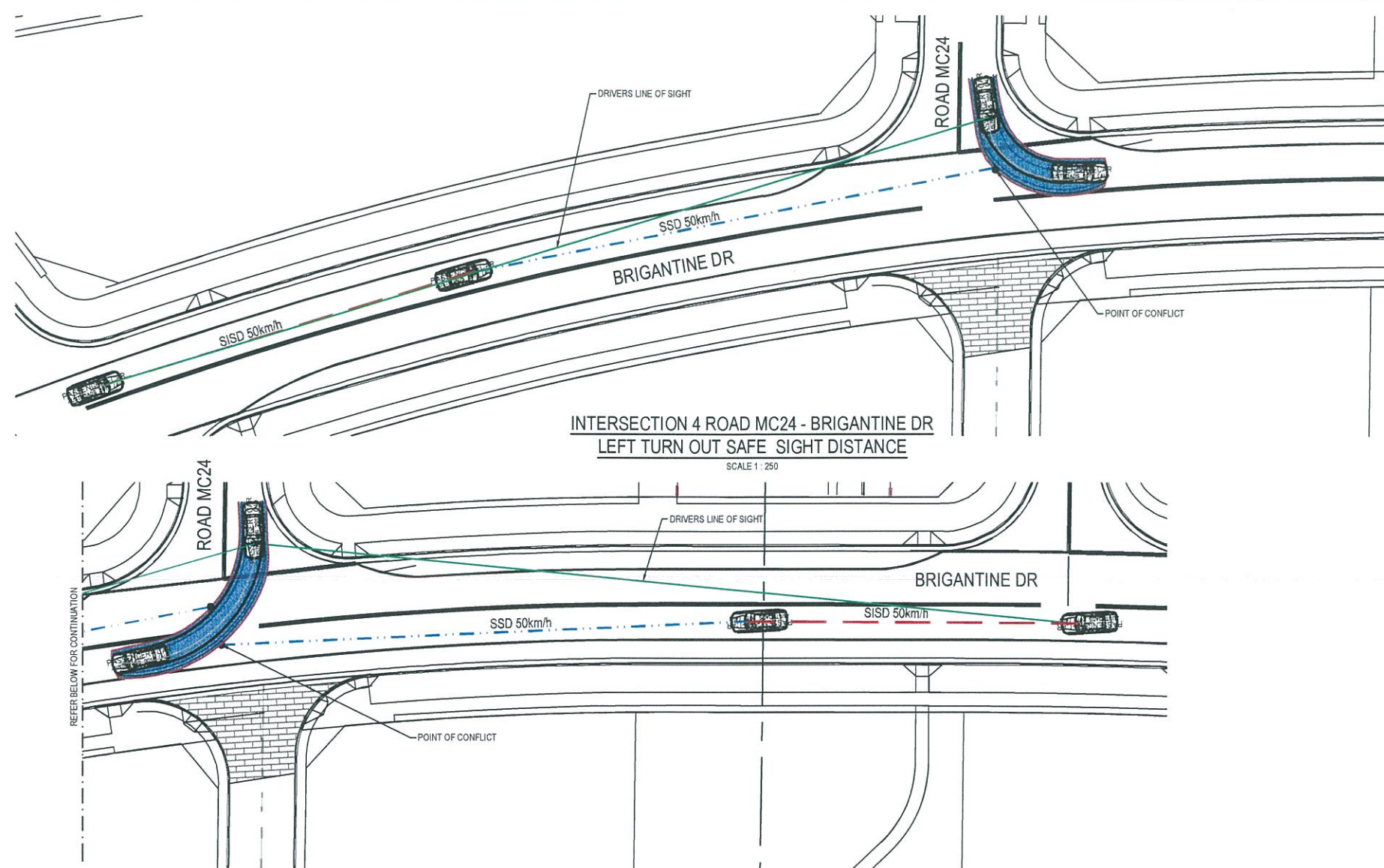
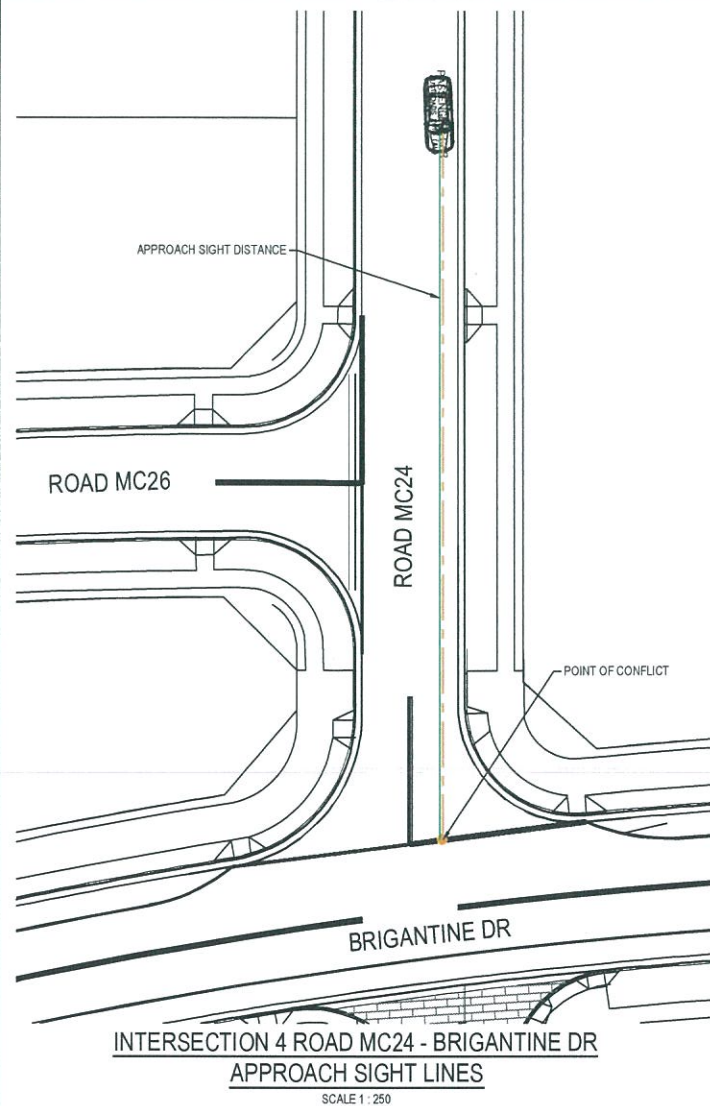
File Name: F:\A006310\I-CAD\Civil\I-CAD\Precinct F And G\435-10006310-nad-SightDistancePlansSheet4.dwg

V1



Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No. C-FG-435 Project No. 10006310 Issue 02



INTERSECTION APPROACH SIGHT DISTANCE (ASD)

REACTION TIME	1.5s
COEFFICIENT OF DECELERATION	0.362
OPERATING SPEED	50km/h
LONGITUDINAL GRADE	0.00%
SAFE INTERSECTION SITE DISTANCE (ASD)	48.02m

SAFE INTERSECTION SIGHT DISTANCES (SISD)

DIRECTION OF EXIT FROM INTERSECTION	LEFT OUT
DIRECTION OF APPROACHING TRAFFIC	BRIGANTINE DR WEST BOUND
DECISION TIME	1.5s
COEFFICIENT OF DECELERATION	0.46
OPERATING SPEED	50km/h
LONGITUDINAL GRADE	0.00%
SAFE INTERSECTION SITE DISTANCE (SISD)	48.02m
DIRECTION OF EXIT FROM INTERSECTION	RIGHT OUT
DIRECTION OF APPROACHING TRAFFIC	BRIGANTINE DR WEST BOUND
DECISION TIME	1.5s
COEFFICIENT OF DECELERATION	0.46
OPERATING SPEED	50km/h
LONGITUDINAL GRADE	0.00%
SAFE INTERSECTION SITE DISTANCE (SISD)	83.89m



Issue	Description	Date
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018

0 5 10 15 20 25m

1:250



Client



Status

PRELIMINARY ONLY
NOT TO BE USED FOR CONSTRUCTION

Scales

1:250

Original Size

A1

Height

AHD

Grid

MGA

Filename:

C:\g-436-10006310-nsd-SightDistancePlansSheet5.dwg

Project

SHELL COVE
PRECINCT F AND G
AND WETLAND 08

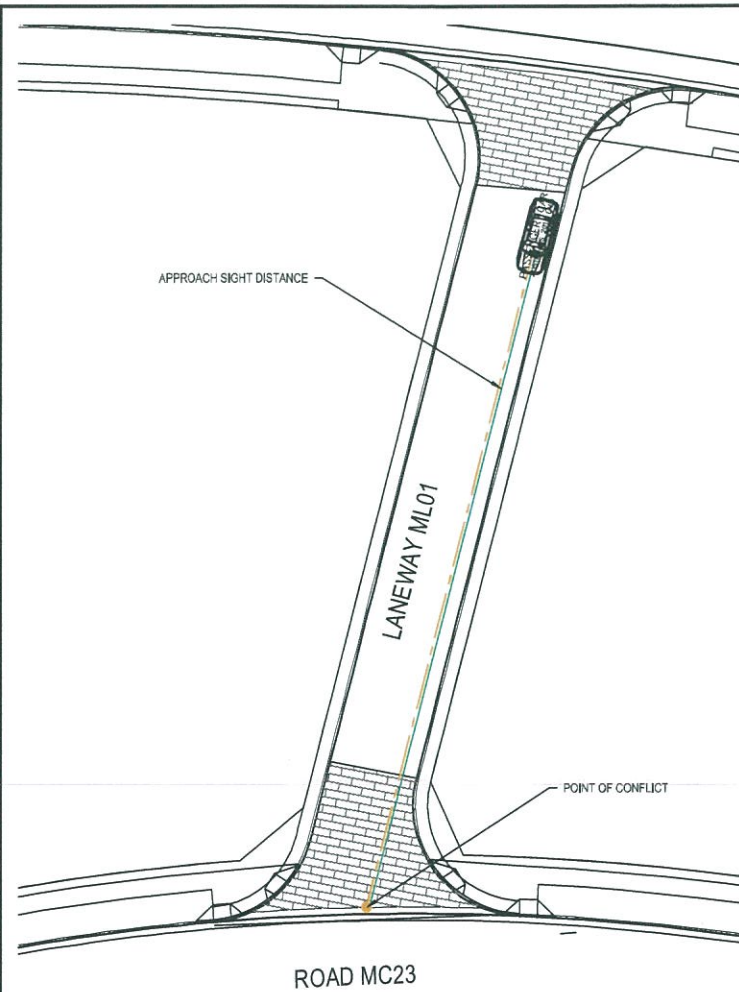
Title

SIGHT DISTANCE PLANS
SHEET 5

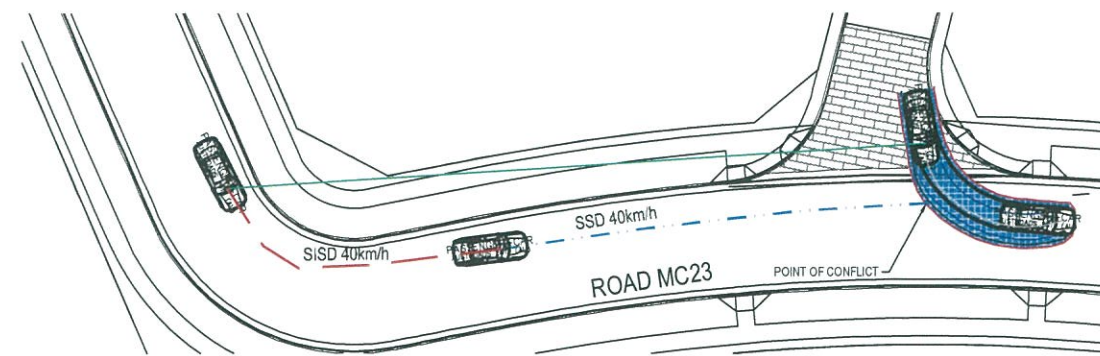


Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

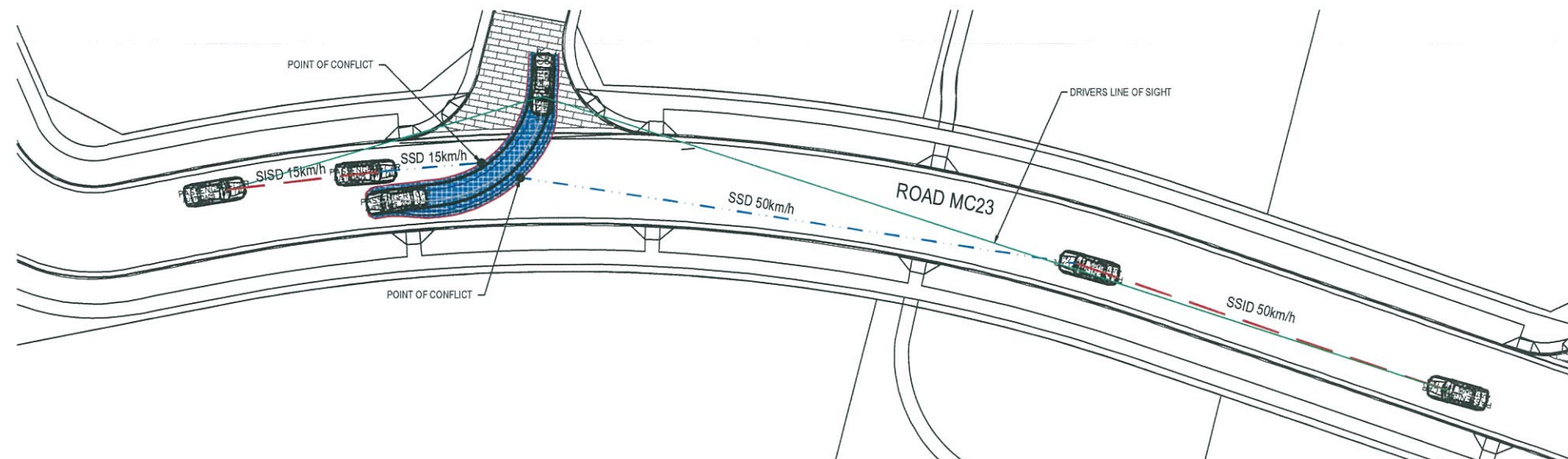
Drawing No.	Project No.	Issue
C-FG-436	10006310	02



INTERSECTION 5 LANEWAY ML01 - ROAD MC23
APPROACH SIGHT LINES
SCALE 1 : 250



INTERSECTION 5 LANEWAY ML01 - ROAD MC23
LEFT TURN OUT SAFE SIGHT DISTANCE
SCALE 1 : 1000



INTERSECTION 5 LANEWAY ML01 - ROAD MC23
RIGHT TURN OUT SAFE SIGHT DISTANCE
SCALE 1 : 250

INTERSECTION APPROACH SIGHT DISTANCE (ASD)

REACTION TIME	1.5s
COEFFICIENT OF DECELERATION	0.362
OPERATING SPEED	50km/h
LONGITUDINAL GRADE	1.00%
SAFE INTERSECTION SITE DISTANCE (ASD)	47.29m

SAFE INTERSECTION SIGHT DISTANCES (SISD)

DIRECTION OF EXIT FROM INTERSECTION	LEFT OUT
DIRECTION OF APPROACHING TRAFFIC	ROAD MC24 SOUTH BOUND
DECISION TIME	4.5s
COEFFICIENT OF DECELERATION	0.362
OPERATING SPEED	20km/h
LONGITUDINAL GRADE	0.00%
SAFE INTERSECTION SITE DISTANCE (SISD)	29.52m
DIRECTION OF EXIT FROM INTERSECTION	RIGHT OUT
DIRECTION OF APPROACHING TRAFFIC	MC03 NORTH BOUND
DECISION TIME	4.5s
COEFFICIENT OF DECELERATION	0.362
OPERATING SPEED	20km/h
LONGITUDINAL GRADE	0.0%
SAFE INTERSECTION SITE DISTANCE (SISD)	29.47m
DIRECTION OF EXIT FROM INTERSECTION	RIGHT OUT
DIRECTION OF APPROACHING TRAFFIC	ROAD MC24 SOUTH BOUND AND SOUTHBOUND
DECISION TIME	4.5s
COEFFICIENT OF DECELERATION	0.362
OPERATING SPEED	40km/h
LONGITUDINAL GRADE	0.00%
SAFE INTERSECTION SITE DISTANCE (SISD)	63.30m

SAFE INTERSECTION SIGHT DISTANCES (SISD)

DIRECTION OF EXIT FROM INTERSECTION	LEFT OUT
DIRECTION OF APPROACHING TRAFFIC	ROAD MC23 SOUTH BOUND
DECISION TIME	1.5s
COEFFICIENT OF DECELERATION	0.46
OPERATING SPEED	40km/h
LONGITUDINAL GRADE	0.00%
SAFE INTERSECTION SITE DISTANCE (SISD)	34.07m
DIRECTION OF EXIT FROM INTERSECTION	RIGHT OUT
DIRECTION OF APPROACHING TRAFFIC	ROAD MC23 SOUTH BOUND AND SOUTHBOUND
DECISION TIME	1.5s
COEFFICIENT OF DECELERATION	0.46
OPERATING SPEED	40km/h
LONGITUDINAL GRADE	-1
SAFE INTERSECTION SITE DISTANCE (SISD)	63.70m

SAFE INTERSECTION SIGHT DISTANCES (SISD)

DIRECTION OF EXIT FROM INTERSECTION	LEFT OUT
DIRECTION OF APPROACHING TRAFFIC	ROAD MC23 SOUTH BOUND
DECISION TIME	1.5s
COEFFICIENT OF DECELERATION	0.46
OPERATING SPEED	15km/h
LONGITUDINAL GRADE	0.00%
SAFE INTERSECTION SITE DISTANCE (SISD)	8.07m
DIRECTION OF EXIT FROM INTERSECTION	RIGHT OUT
DIRECTION OF APPROACHING TRAFFIC	ROAD MC23 SOUTH BOUND AND SOUTHBOUND
DECISION TIME	1.5s
COEFFICIENT OF DECELERATION	0.46
OPERATING SPEED	15km/h
LONGITUDINAL GRADE	0.00%
SAFE INTERSECTION SITE DISTANCE (SISD)	20.70m

Issue	Description	Date
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018

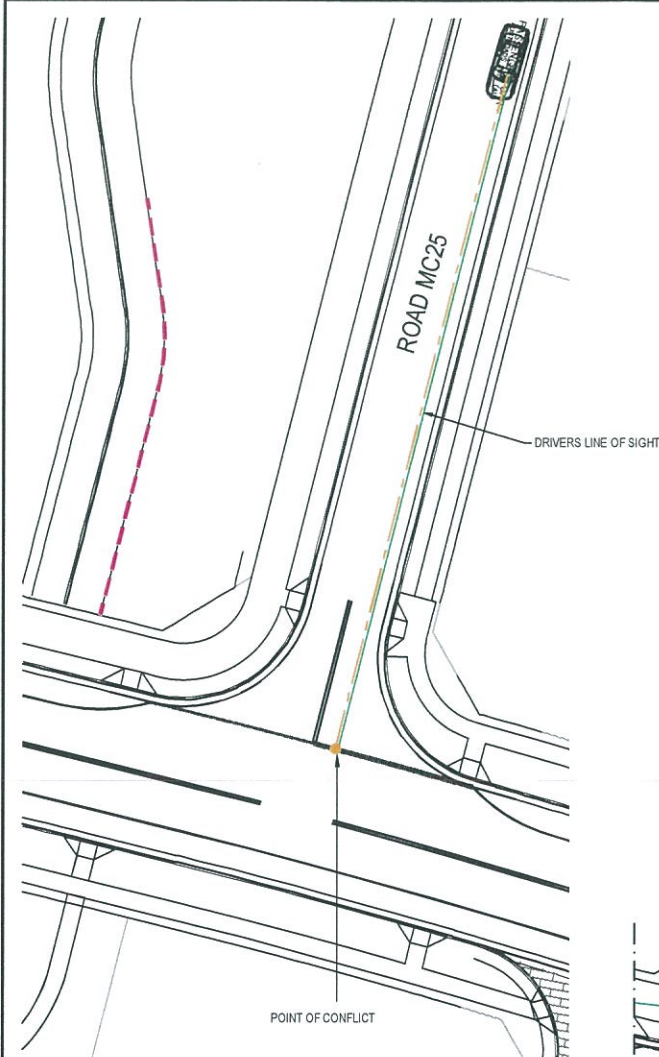
0 5 10 15 20 25m
1 : 250



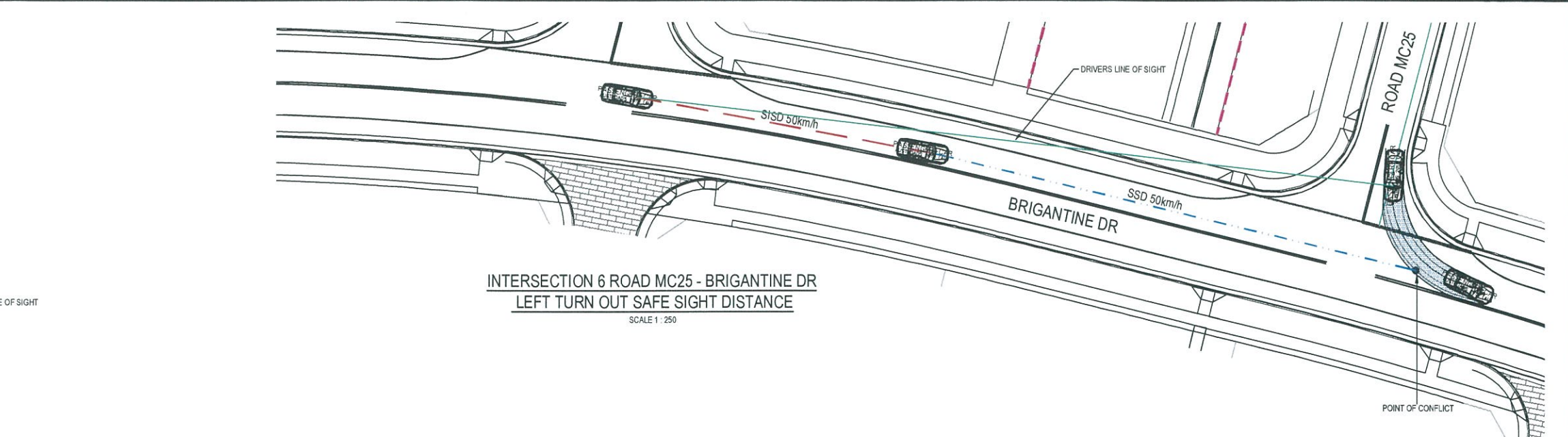
Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION
Scales	1 : 250
Original Size	A1
Height	AHD
Grid	MGA
Filename	C:\g-437-10006310-nsd-SightDistancePlans\Sheet6.dwg

Project	SHELL COVE PRECINCT F AND G AND WETLAND 08
Title	SIGHT DISTANCE PLANS SHEET 6

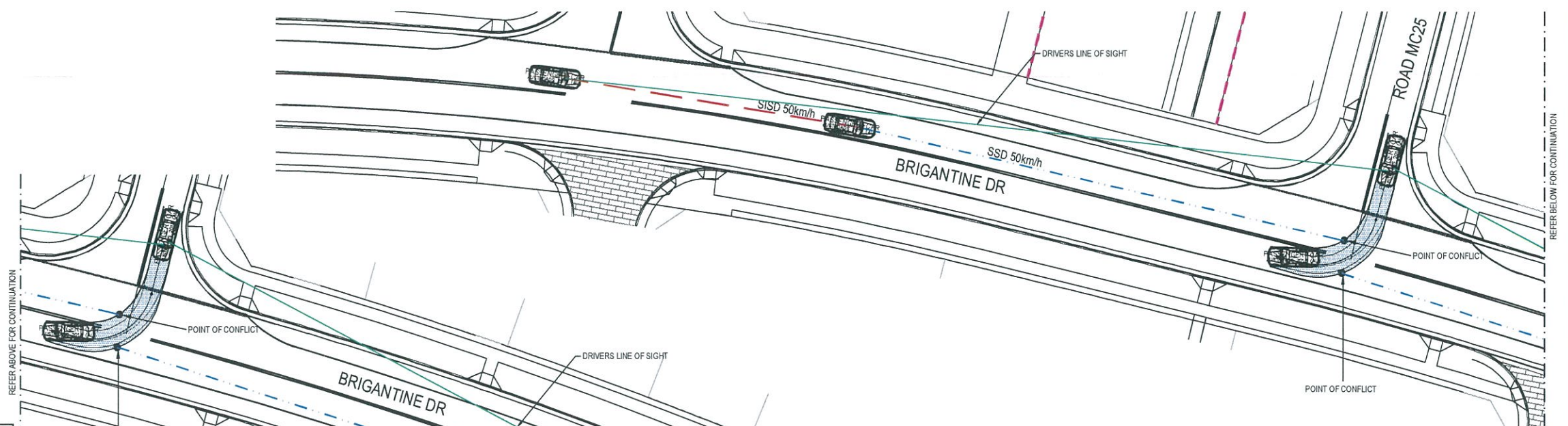
Arcadis Australia Pacific Pty Limited Level 16, 580 George Street SYDNEY NSW 2000 ABN 76 104 485 289 Tel No: +61 2 8907 9000 Fax No: +61 2 8907 9001 arcadis.com		
Drawing No.	Project No.	Issue
C-FG-437	10006310	02



INTERSECTION 6 ROAD MC25 - BRIGANTINE DR
APPROACH SIGHT LINES
SCALE 1 : 250



INTERSECTION 6 ROAD MC25 - BRIGANTINE DR
LEFT TURN OUT SAFE SIGHT DISTANCE
SCALE 1 : 250



INTERSECTION 6 ROAD MC25 - BRIGANTINE DR
RIGHT TURN OUT SAFE SIGHT DISTANCE
SCALE 1 : 250

INTERSECTION APPROACH SIGHT DISTANCE (ASD)

REACTION TIME	1.5s
COEFFICIENT OF DECELERATION	0.362
OPERATING SPEED	50km/h
LONGITUDINAL GRADE	0.00%
SAFE INTERSECTION SITE DISTANCE (ASD)	48.02m

SAFE INTERSECTION SIGHT DISTANCES (SSD)

DIRECTION OF EXIT FROM INTERSECTION	LEFT OUT
DIRECTION OF APPROACHING TRAFFIC	BRIGANTINE DR WEST BOUND
DECISION TIME	1.5s
COEFFICIENT OF DECELERATION	0.46
OPERATING SPEED	50km/h
LONGITUDINAL GRADE	0.00%
SAFE INTERSECTION SITE DISTANCE (SSD)	48.02m
DIRECTION OF EXIT FROM INTERSECTION	RIGHT OUT
DIRECTION OF APPROACHING TRAFFIC	BRIGANTINE DR EAST BOUND AND WESTBOUND
DECISION TIME	1.5s
COEFFICIENT OF DECELERATION	0.46
OPERATING SPEED	50km/h
LONGITUDINAL GRADE	0.00%
SAFE INTERSECTION SITE DISTANCE (SSD)	83.89m

Issue	Description	Date
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018



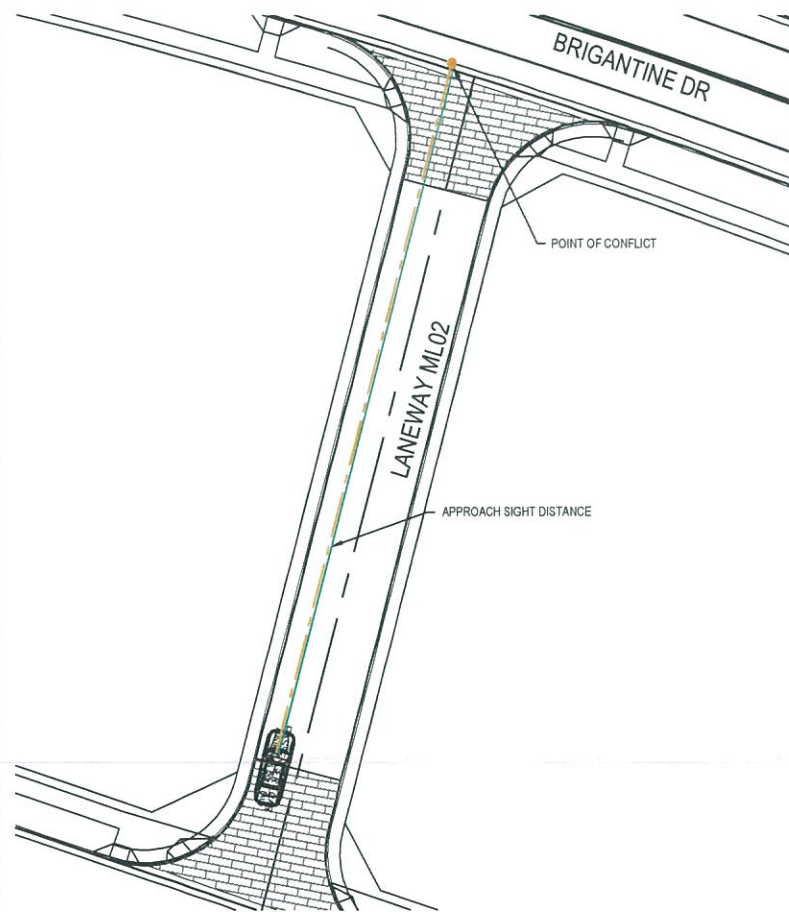
1 : 250



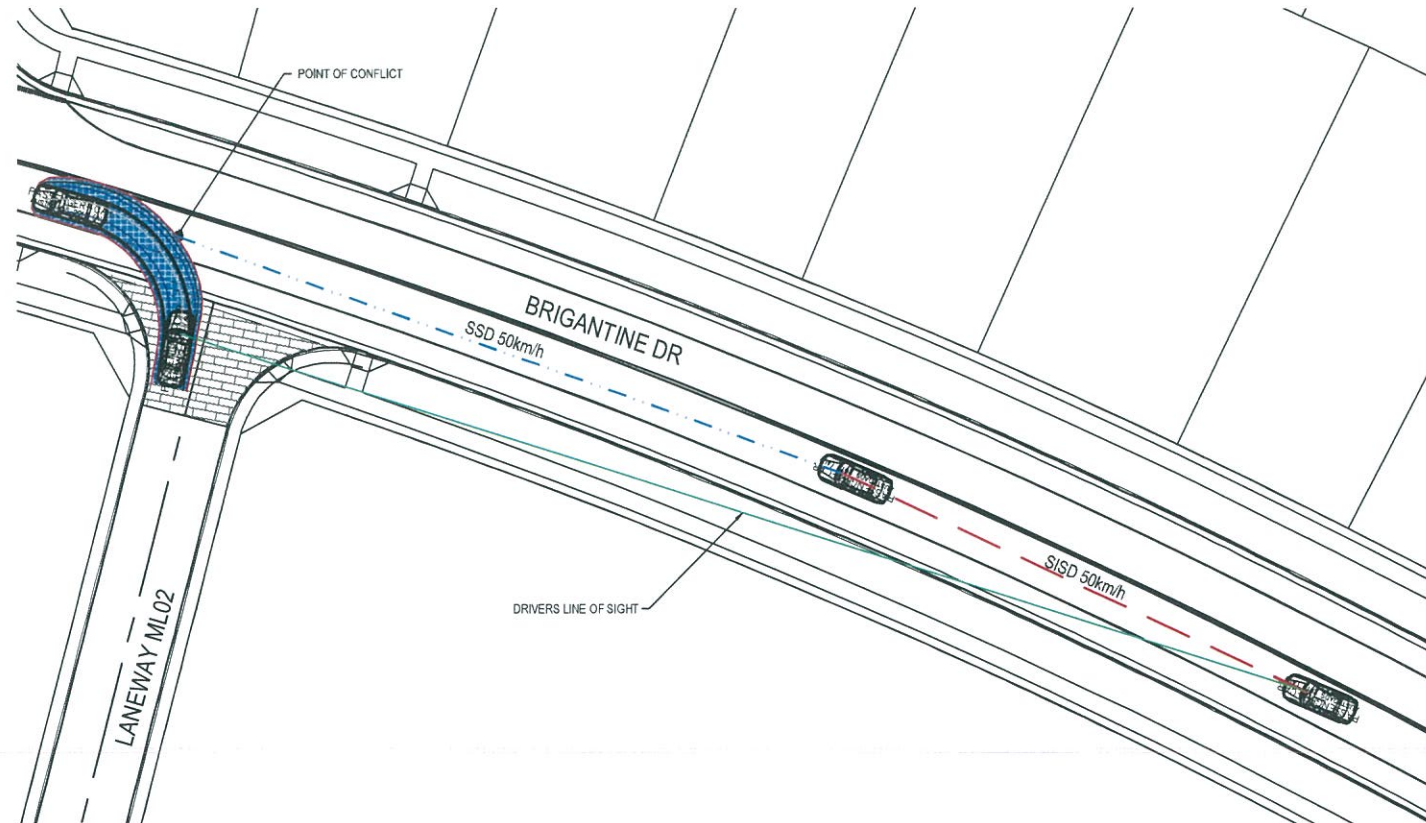
Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1 : 250	Current Issue Signatures
Original Size	A1	Drawn M. McDONALD
Height Datum	AHD	Designed G. EVERETT
Grid	MGA	Checked
Filename	C:\g-438-10006310-nsd-SightDistancePlansSheet7.dwg	

Project	SHELL COVE PRECINCT F AND G AND WETLAND 08
Title	SIGHT DISTANCE PLANS SHEET 7

Arcadis Australia Pacific Pty Limited Level 16, 580 George Street SYDNEY NSW 2000 ABN 76 104 485 289 Tel No: +61 2 8907 9000 Fax No: +61 2 8907 9001 arcadis.com		
Drawing No.	Project No.	Issue
C-FG-438 -	10006310	02



INTERSECTION 7 LANWEAY ML02 - BRIGANTINE DR
APPROACH SIGHT LINES
SCALE 1 : 250



INTERSECTION 7 LANWEAY ML02 - BRIGANTINE DR
LEFT TURN OUT SAFE SIGHT DISTANCE
SCALE 1 : 250

INTERSECTION APPROACH SIGHT DISTANCE (ASD)

REACTION TIME	1.5s
COEFFICIENT OF DECELERATION	0.362
OPERATING SPEED	50km/h
LONGITUDINAL GRADE	0.00%
SAFE INTERSECTION SITE DISTANCE (ASD)	48.02m

SAFE INTERSECTION SIGHT DISTANCES (SISD)

DIRECTION OF EXIT FROM INTERSECTION	LEFT OUT
DIRECTION OF APPROACHING TRAFFIC	BRIGANTINE DR WEST BOUND
DECISION TIME	1.5s
COEFFICIENT OF DECELERATION	0.46
OPERATING SPEED	50km/h
LONGITUDINAL GRADE	0.00%
SAFE INTERSECTION SITE DISTANCE (SSD)	48.02m
DIRECTION OF EXIT FROM INTERSECTION	RIGHT OUT
DIRECTION OF APPROACHING TRAFFIC	BRIGANTINE DR EAST BOUND AND WESTBOUND
DECISION TIME	1.5s
COEFFICIENT OF DECELERATION	0.46
OPERATING SPEED	50km/h
LONGITUDINAL GRADE	0.00%
SAFE INTERSECTION SITE DISTANCE (SISD)	83.89m



Issue	Description	Date
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018

0 5 10 15 20 25m

1 : 250



Client



Status
PRELIMINARY ONLY
NOT TO BE USED FOR CONSTRUCTION

Scales	1 : 250	Current Issue Signatures
Original Size	A1	Drawn M. McDONALD
Height Datum	AHD	Designed G. EVERETT
Grid	MGA	Checked Approved
Filename:	C:\g-439-10006310-mad-SightDistancePlansSheet8.dwg	

Project
SHELL COVE
PRECINCT F AND G
AND WETLAND 08

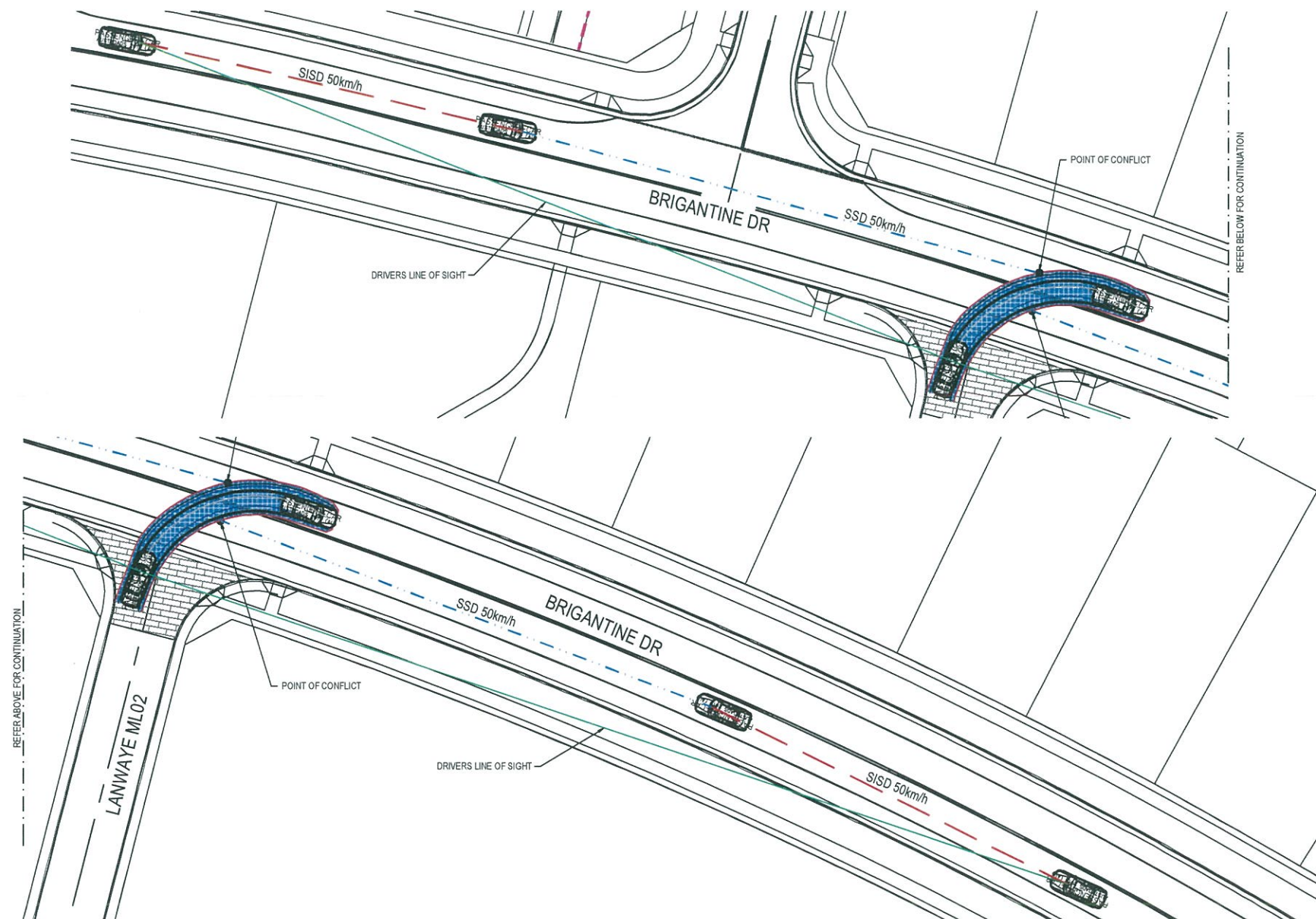
SIGHT DISTANCE PLANS
SHEET 8



Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No. Project No. Issue
C-FG-439 - 10006310 - 02

Date Plotted: 13 Jun 2018 - 11:32AM File Name: F:\A006310\E-CAD\Civil\Final\PC-Precinct F And G\g-439-10006310-mad-SightDistancePlansSheet8.dwg



INTERSECTION 7 LANWAYE ML02 - BRIGANTINE DR
RIGHT TURN OUT SAFE SIGHT DISTANCE

SCALE 1 : 250

INTERSECTION APPROACH SIGHT DISTANCE (ASD)

REACTION TIME	1.5s
COEFFICIENT OF DECELERATION	0.362
OPERATING SPEED	50km/h
LONGITUDINAL GRADE	0.00%
SAFE INTERSECTION SITE DISTANCE (ASD)	48.02m

SAFE INTERSECTION SIGHT DISTANCES (SISD)

DIRECTION OF EXIT FROM INTERSECTION	LEFT OUT
DIRECTION OF APPROACHING TRAFFIC	BRIGANTINE DR WEST BOUND
DECISION TIME	1.5s
COEFFICIENT OF DECELERATION	0.46
OPERATING SPEED	50km/h
LONGITUDINAL GRADE	0.00%
SAFE INTERSECTION SITE DISTANCE (SSD)	48.02m
DIRECTION OF EXIT FROM INTERSECTION	RIGHT OUT
DIRECTION OF APPROACHING TRAFFIC	BRIGANTINE DR EAST BOUND AND WESTBOUND
DECISION TIME	1.5s
COEFFICIENT OF DECELERATION	0.46
OPERATING SPEED	50km/h
LONGITUDINAL GRADE	0.00%
SAFE INTERSECTION SITE DISTANCE (SISD)	83.89m



Issue	Description	Date
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018

0 20 40 60 80 100m

1 : 1000



Client



Status

PRELIMINARY ONLY
NOT TO BE USED FOR CONSTRUCTION

Scales

1 : 250

Original Size

A1

Height Datum

AHD

Grid

MGA

File name:

C:\g-440-10006310-nsd-SightDistancePlansSheet9.dwg

Project

SHELL COVE
PRECINCT F AND G
AND WETLAND 08

Title

SIGHT DISTANCE PLANS
SHEET 9

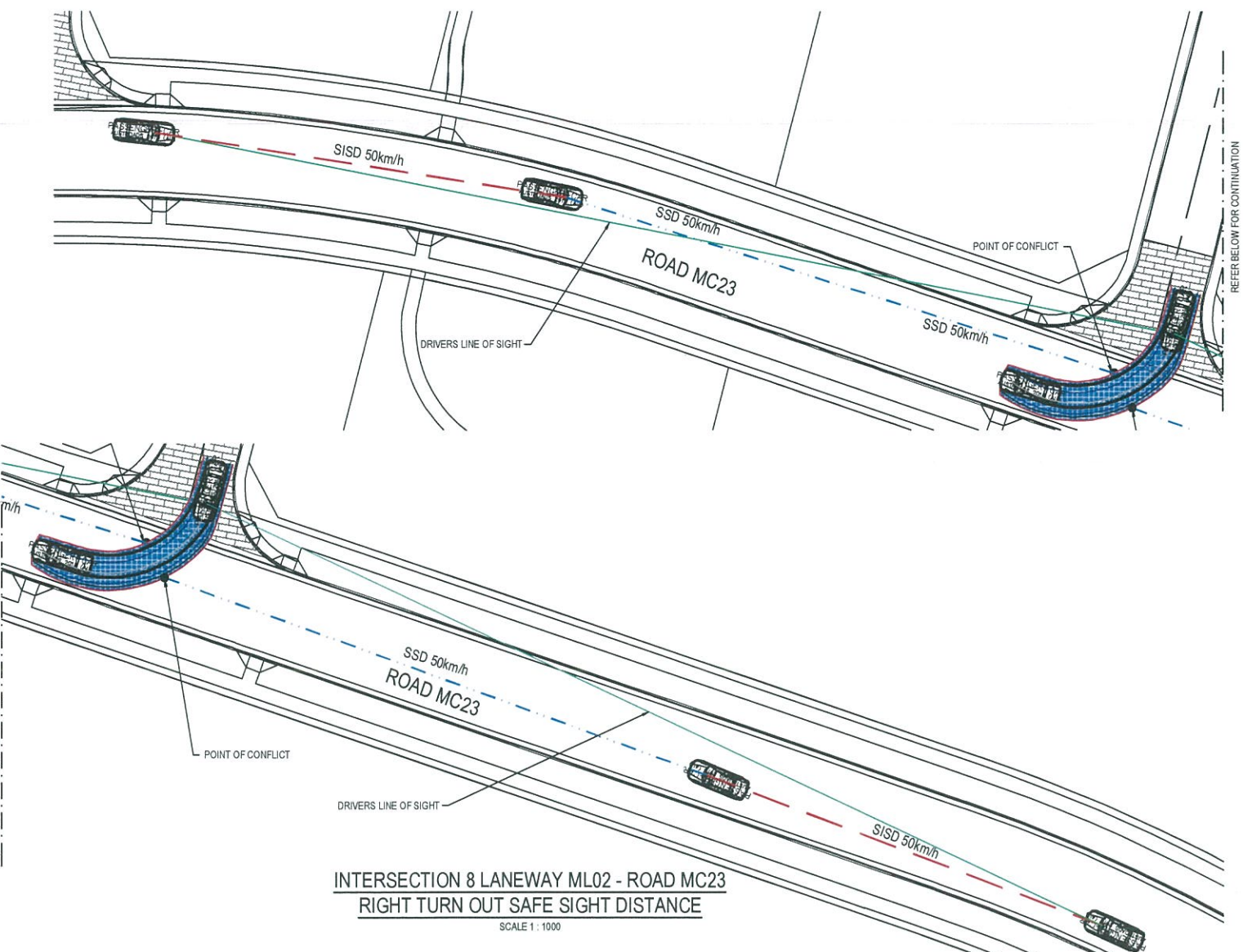
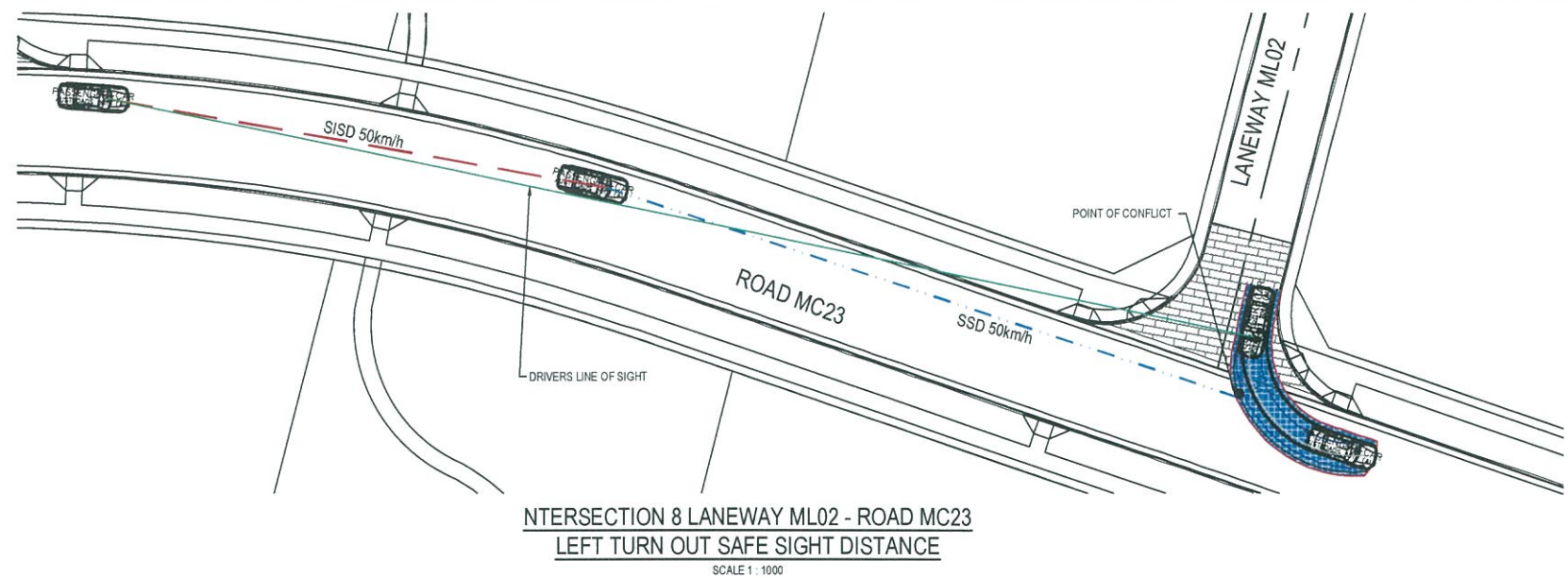
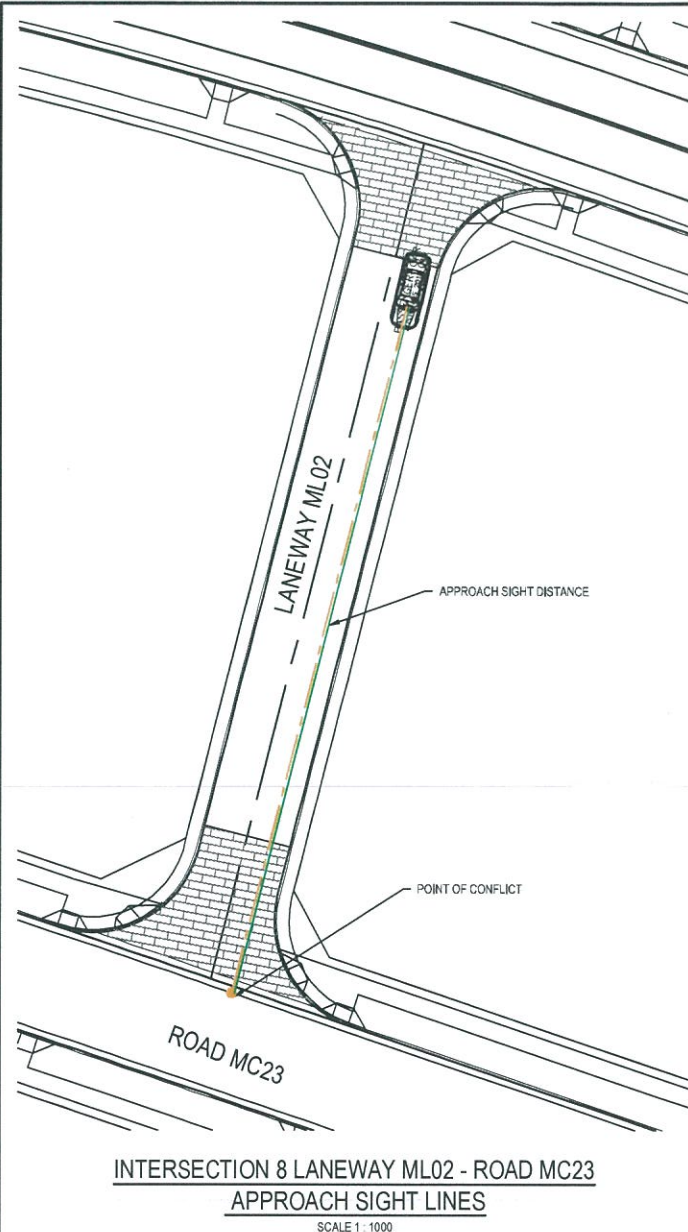


Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No. Project No. Issue

C-FG-440 - 10006310 - 02

Date Plotted: 13 Jun 2018 - 11:34AM File Name: F:\A006310\E-CAD\CivilD-Final\K-C-Precinct F And G\g-440-10006310-nsd-SightDistancePlansSheet9.dwg



INTERSECTION APPROACH SIGHT DISTANCE (ASD)

REACTION TIME	1.5s
COEFFICIENT OF DECELERATION	0.362
OPERATING SPEED	50km/h
LONGITUDINAL GRADE	0.00%
SAFE INTERSECTION SITE DISTANCE (ASD)	48.02m

SAFE INTERSECTION SIGHT DISTANCES (SSD)

DIRECTION OF EXIT FROM INTERSECTION	LEFT OUT
DIRECTION OF APPROACHING TRAFFIC	MC23 WEST BOUND
DECISION TIME	1.5s
COEFFICIENT OF DECELERATION	0.46
OPERATING SPEED	50km/h
LONGITUDINAL GRADE	0.00%
SAFE INTERSECTION SITE DISTANCE (SSD)	48.02m
DIRECTION OF EXIT FROM INTERSECTION	RIGHT OUT
DIRECTION OF APPROACHING TRAFFIC	MC23 EAST BOUND AND WEST BOUND
DECISION TIME	1.5s
COEFFICIENT OF DECELERATION	0.46
OPERATING SPEED	50km/h
LONGITUDINAL GRADE	0.00%
SAFE INTERSECTION SITE DISTANCE (SSD)	83.89m



Issue	Description	Date
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018

0 5 10 15 20 25m

1 : 250



Client



Status
PRELIMINARY ONLY
NOT TO BE USED FOR CONSTRUCTION

Scales	1 : 250	Current Issue Signatures
Original Size	A1	Drawn M McDONALD
Height	AHD	Designed G EVERETT
Datum	MGA	Checked
Grid		Approved

File name: C:\g-441-10006310-nsd-SightDistancePlansSheet10.dwg

Project
SHELL COVE
PRECINCT F AND G
AND WETLAND 08

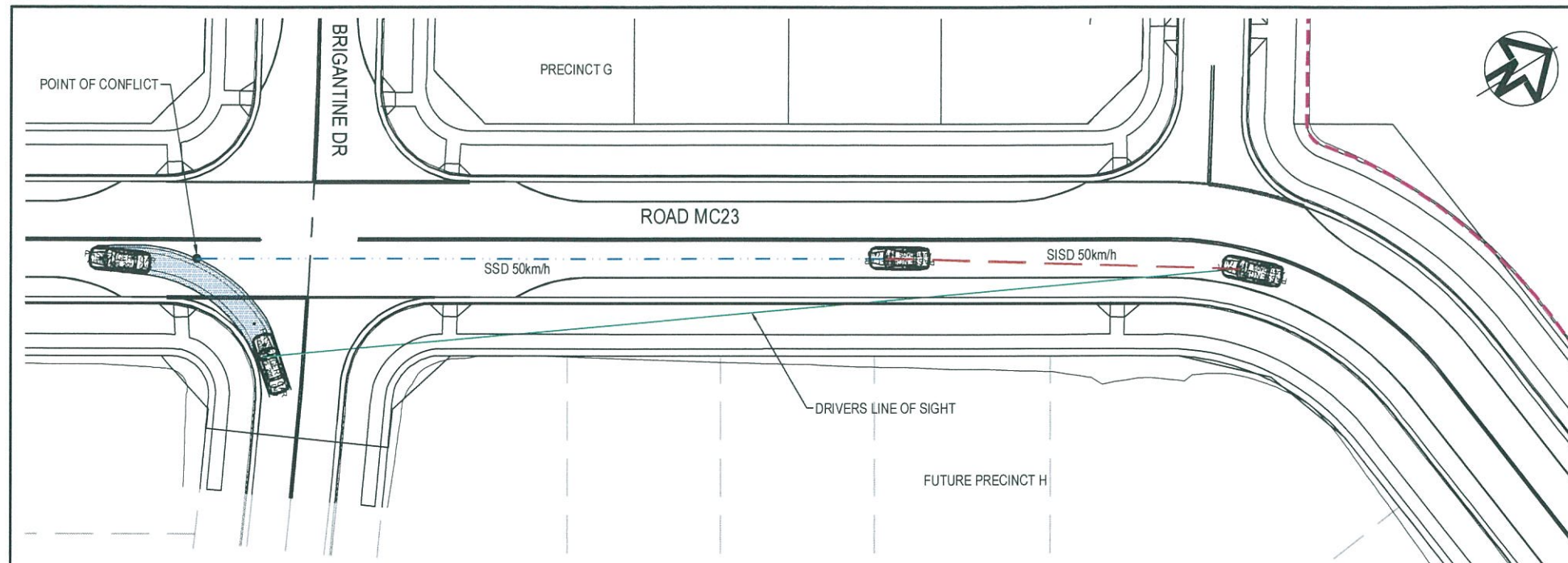
SIGHT DISTANCE PLANS
SHEET 10



Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No. C-FG-441 - Project No. 10006310 Issue 02

Date Plotted: 13 Jun 2018 - 11:36AM File Name: F:\A\006310\IE-CADIC-Civil-Final-C-Preinct F And G\g-441-10006310-nsd-SightDistancePlansSheet10.dwg



INTERSECTION 9 ROAD MC23 - BRIGANTINE DR
LEFT TURN OUT SAFE SIGHT DISTANCE

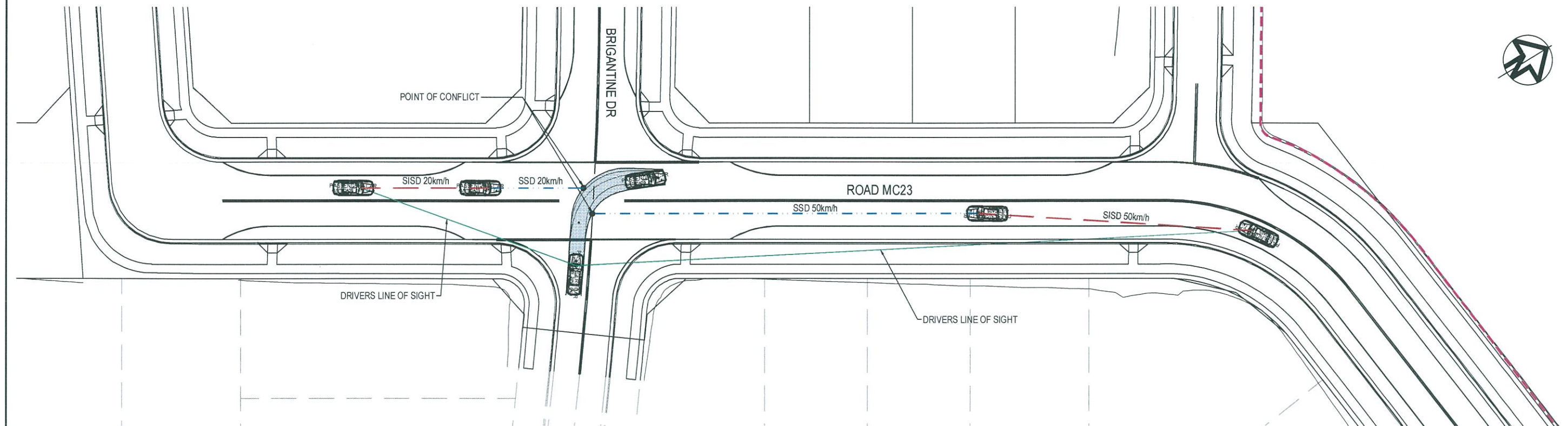
SCALE 1 : 250

INTERSECTION APPROACH SIGHT DISTANCE (ASD)

REACTION TIME	1.5s
COEFFICIENT OF DECELERATION	0.362
OPERATING SPEED	50km/h
LONGITUDINAL GRADE	0.00%
SAFE INTERSECTION SITE DISTANCE (ASD)	48.02m

SAFE INTERSECTION SIGHT DISTANCES (SSID)

DIRECTION OF EXIT FROM INTERSECTION	LEFT OUT
DIRECTION OF APPROACHING TRAFFIC	BRIGANTINE DR WEST BOUND
DECISION TIME	1.5s
COEFFICIENT OF DECELERATION	0.46
OPERATING SPEED	20km/h
LONGITUDINAL GRADE	0.00%
SAFE INTERSECTION SITE DISTANCE (SSD)	12.68m
DIRECTION OF EXIT FROM INTERSECTION	RIGHT OUT
DIRECTION OF APPROACHING TRAFFIC	BRIGANTINE DR EASTBOUND
DECISION TIME	1.5s
COEFFICIENT OF DECELERATION	0.46
OPERATING SPEED	20km/h
LONGITUDINAL GRADE	0.00%
SAFE INTERSECTION SITE DISTANCE (SSD)	28.42m
DIRECTION OF EXIT FROM INTERSECTION	LEFT OUT
DIRECTION OF APPROACHING TRAFFIC	BRIGANTINE DR SOUTHBOUND
DECISION TIME	1.5s
COEFFICIENT OF DECELERATION	0.46
OPERATING SPEED	50km/h
LONGITUDINAL GRADE	0.00%
SAFE INTERSECTION SITE DISTANCE (SSD)	48.02m
DIRECTION OF EXIT FROM INTERSECTION	RIGHT OUT
DIRECTION OF APPROACHING TRAFFIC	BRIGANTINE DR NORTHBOUND AND SOUTHBOUND
DECISION TIME	1.5s
COEFFICIENT OF DECELERATION	0.46
OPERATING SPEED	50km/h
LONGITUDINAL GRADE	0.00%
SAFE INTERSECTION SITE DISTANCE (SSD)	83.89m



INTERSECTION 9 ROAD MC23 - BRIGANTINE DR
RIGHT OUT SAFE SIGHT DISTANCE

SCALE 1 : 250

Issue	Description	Date
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018

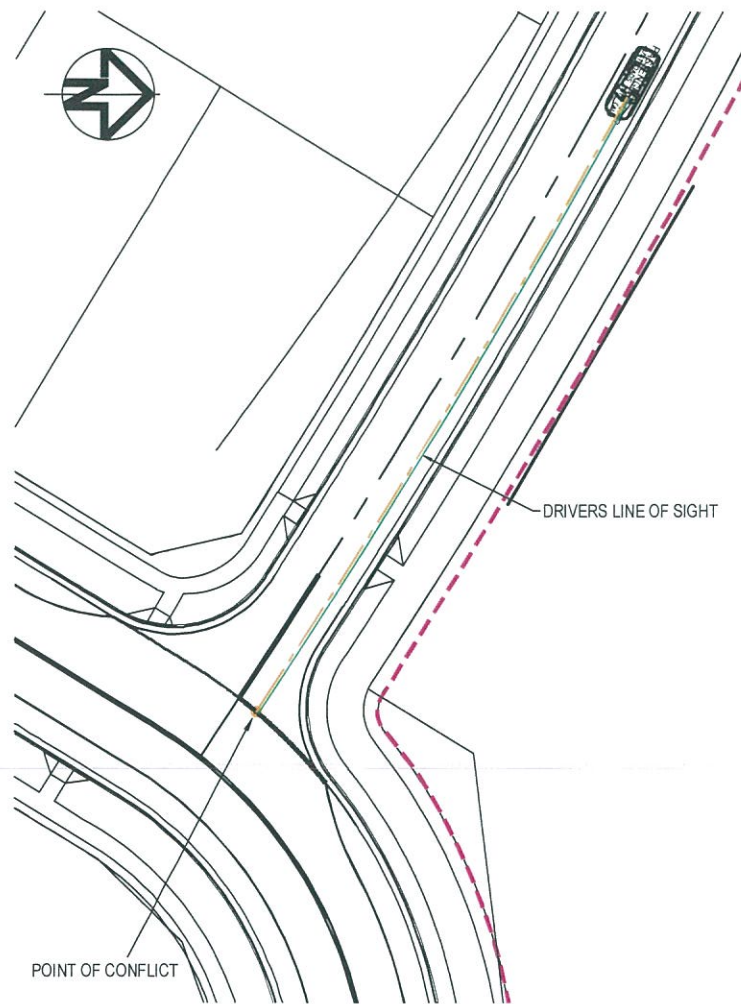


Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1 : 250	Current Issue Signatures
Original Size	A1	Drawn M McDONALD
Height Datum	AHD	Designed GEVERETT
Grid	MGA	Checked
File name:	C:\g-443-10006310-rsd-SightDistancePlansSheet12.dwg	

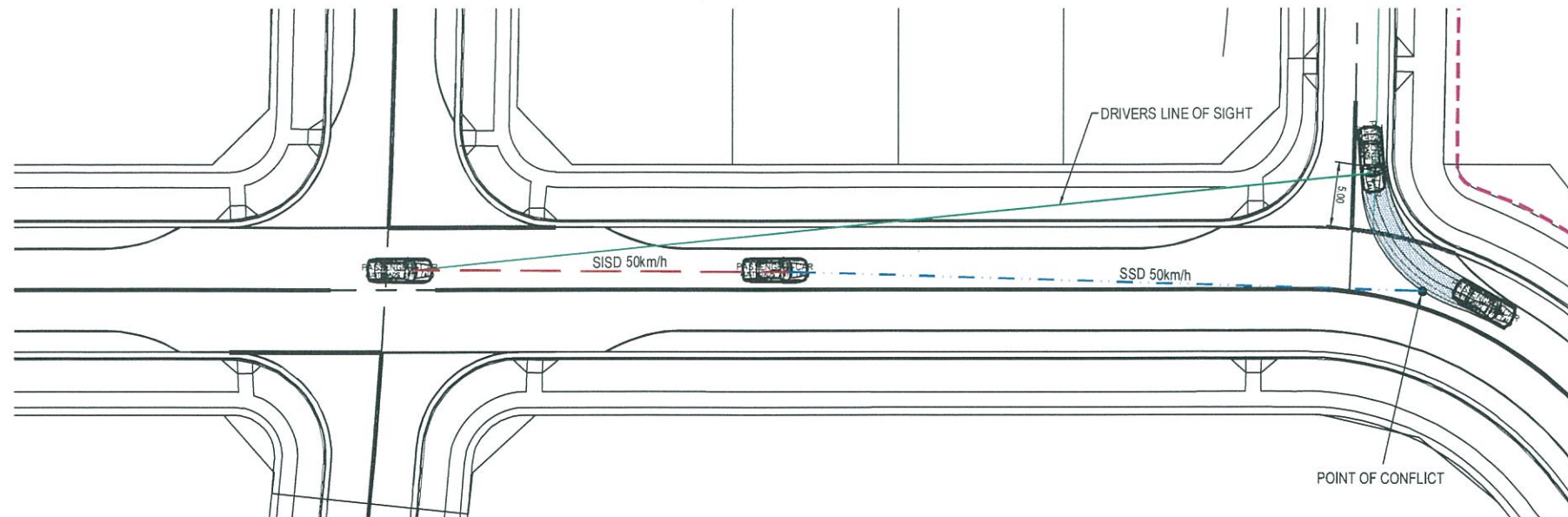
Project	SHELL COVE PRECINCT F AND G AND WETLAND 08
Title	SIGHT DISTANCE PLANS SHEET 12



Drawing No.	Project No.	Issue
C-FG-443	10006310	02



INTERSECTION 10 ROAD MC25 - ROAD MC23
APPROACH SIGHT LINES
SCALE 1 : 250



INTERSECTION 10 ROAD MC25 - ROAD MC23
LEFT TURN OUT SAFE SIGHT DISTANCE
SCALE 1 : 250

INTERSECTION APPROACH SIGHT DISTANCE (ASD)

REACTION TIME	1.5s
COEFFICIENT OF DECELERATION	0.362
OPERATING SPEED	50km/h
LONGITUDINAL GRADE	0.00%
SAFE INTERSECTION SITE DISTANCE (ASD)	48.02m

SAFE INTERSECTION SIGHT DISTANCES (SSID)

DIRECTION OF EXIT FROM INTERSECTION	LEFT OUT
DIRECTION OF APPROACHING TRAFFIC	BRIGANTINE DR WEST BOUND
DECISION TIME	1.5s
COEFFICIENT OF DECELERATION	0.46
OPERATING SPEED	50km/h
LONGITUDINAL GRADE	0.00%
SAFE INTERSECTION SITE DISTANCE (SSD)	48.02m
DIRECTION OF EXIT FROM INTERSECTION	RIGHT OUT
DIRECTION OF APPROACHING TRAFFIC	BRIGANTINE DR WEST BOUND
DECISION TIME	1.5s
COEFFICIENT OF DECELERATION	0.46
OPERATING SPEED	50km/h
LONGITUDINAL GRADE	-1
SAFE INTERSECTION SITE DISTANCE (SSID)	83.89m



Issue	Description	Date
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018



1 : 250

Client



Status
PRELIMINARY ONLY
NOT TO BE USED FOR CONSTRUCTION

Scales	1 : 250	Current Issue Signatures
Original Size	A1	Drawn M McDONALD Designed G EVERETT
Height Datum	AHD	Checked
Grid	MGA	Approved
Filename:	C:\g-444-10006310-nad-SightDistancePlansSheet13.dwg	

Project
SHELL COVE
PRECINCT F AND G
AND WETLAND 08

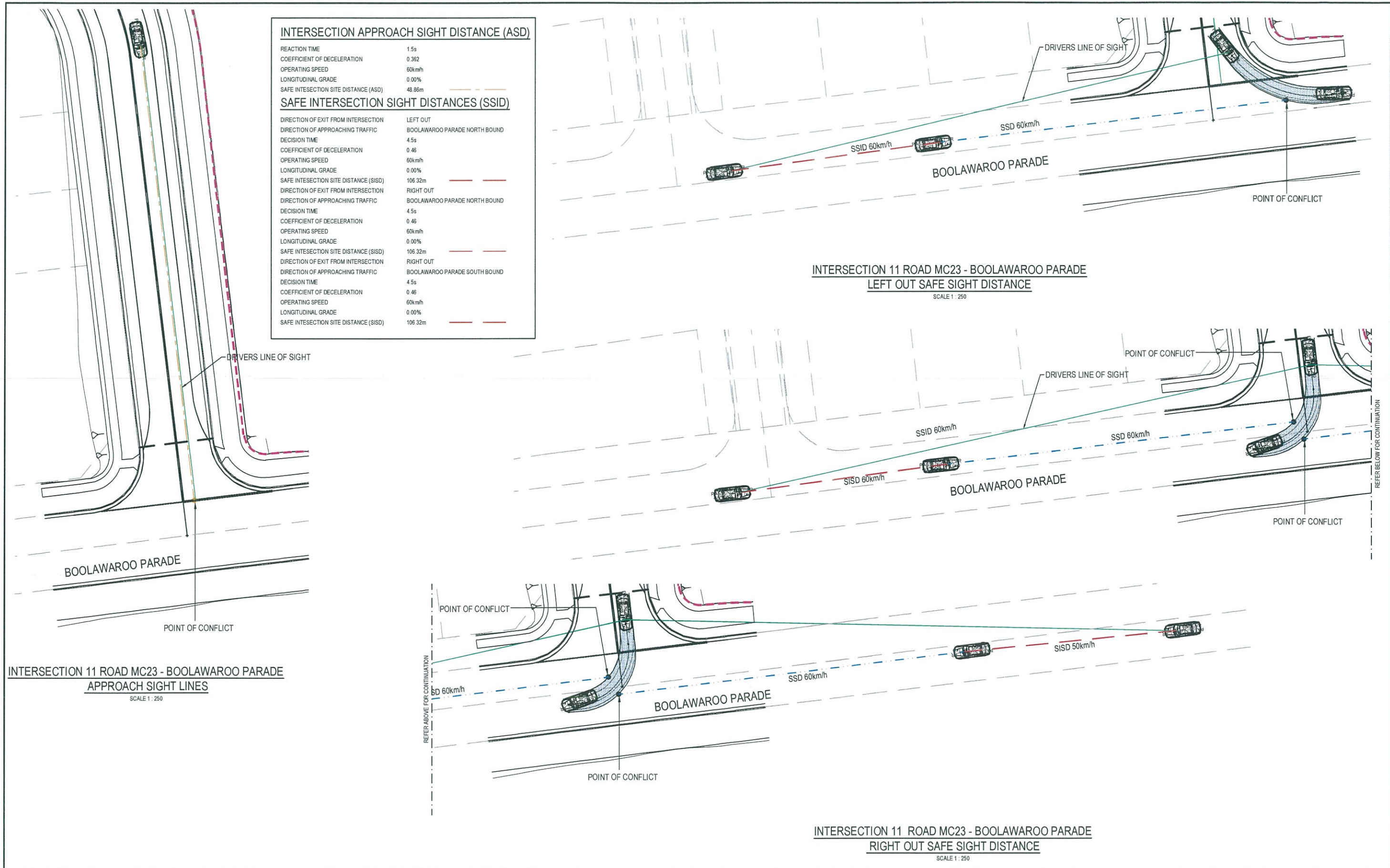
Title
SIGHT DISTANCE PLANS
SHEET 13



Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 435 289

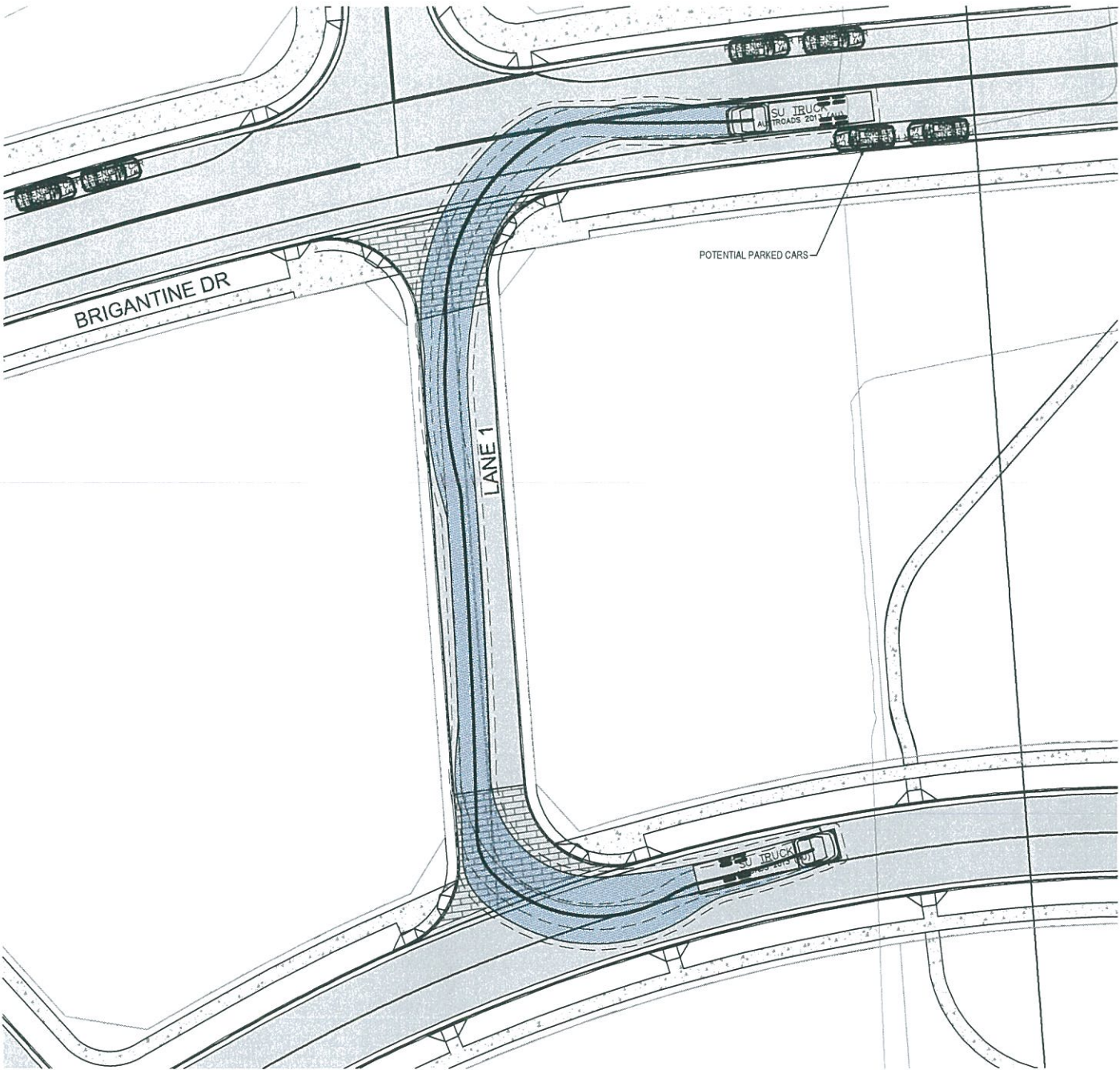
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No. Project No. Issue
C-FG-444 - 10006310 - 02

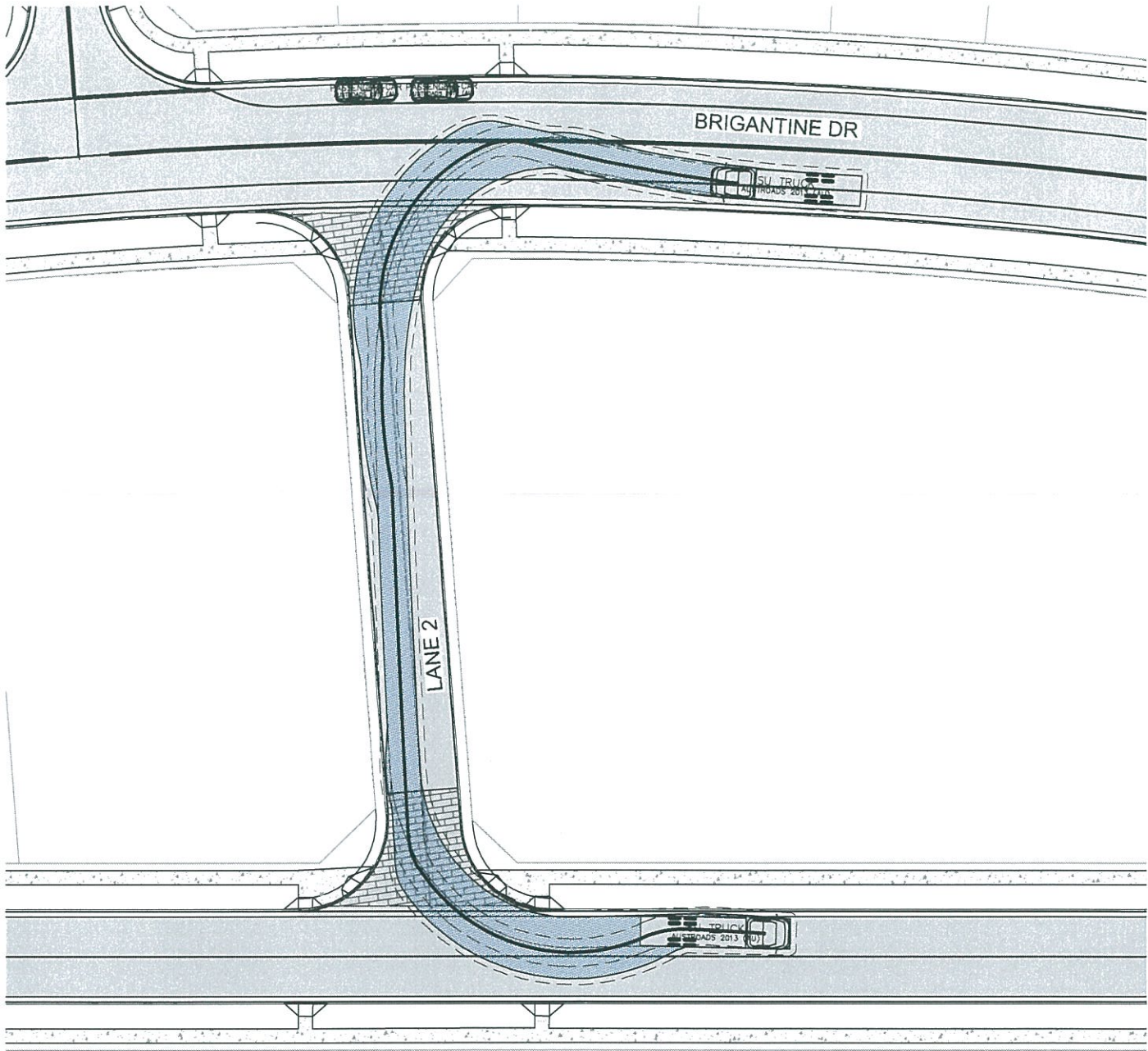


--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

NOTE
1. 8m DESIGN VEHICLE AND 12.5m CHECK VEHICLE USED. REFER TO DWG C-FG-411 FOR VEHICLE PROFILES.



LANE 1
12.5m SU TRUCK - LEFT IN/OUT AT 5 km/h
SCALE 1 : 250



LANE 2
12.5m SU TRUCK - LEFT IN/OUT AT 5 km/h
SCALE 1 : 250

02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018
Issue	Description	Date



Client



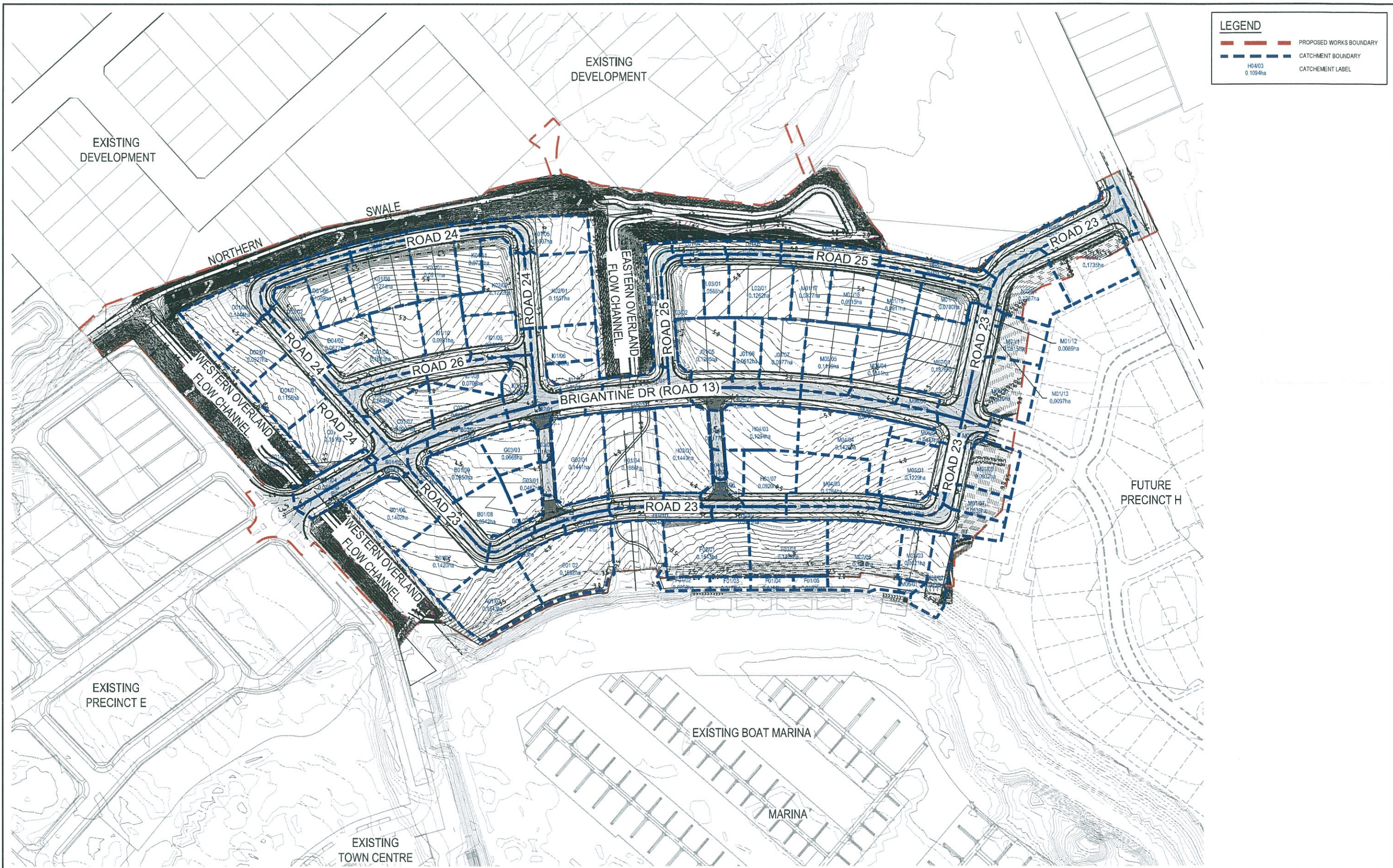
FRASERS
PROPERTY

Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION		
Scales	1 : 250	Current Issue Signatures	
		Drawn M. McDONALD	
Original Size	A1	Designed G. EVERETT	
Height Datum	AHD	Checked	
Grid	MGA	Approved	
Filename: C:\g-451-10006310-nad-GarbageCollectionPlanSheet1.dwg			

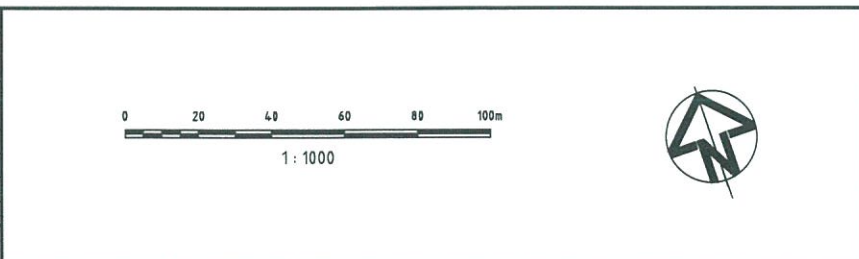
Project	SHELL COVE PRECINCT F AND G AND WETLAND 08
Title	GARBAGE COLLECTION PLAN

ARCADIS
Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No.	Project No.	Issue
C-FG-451 -	10006310	- 02



Issue	Description	Date
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018



Client

**FRASERS
PROPERTY**

Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1 : 1000	Current Issue Signatures
Original Size	A1	Drawn M McDONALD
Height Datum	AHD	Designed GEVERETT
Grid	MGA	Checked
		Approved

Project

**SHELL COVE
PRECINCT F AND G
AND WETLAND 08**

Title

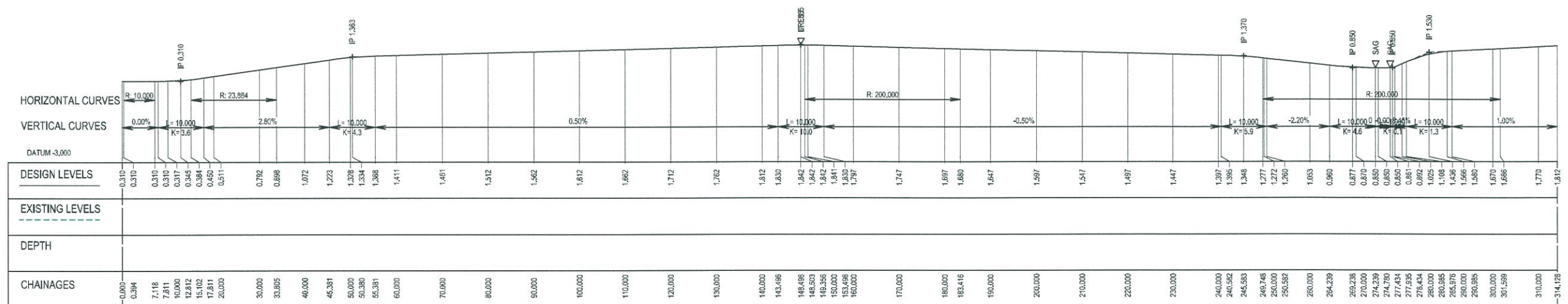
**STORMWATER DRAINAGE
CATCHMENT PLAN**

ARCADIS

Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289

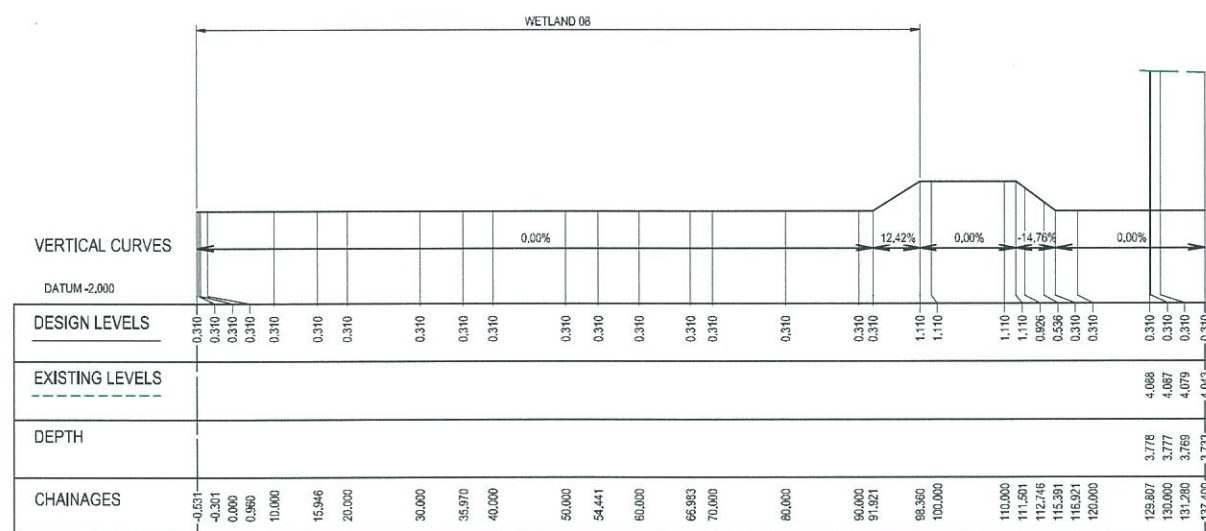
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No.	Project No.	Issue
C-FG-501	10006310	02



NORTHERN SWALE (WEST) LONGITUDINAL SECTION

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

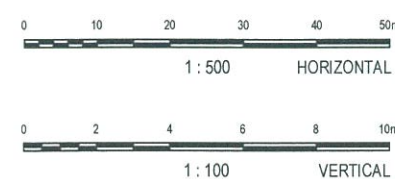


NORTHERN SWALE (EAST) LONGITUDINAL SECTION

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOTE: ADVISIAN MASTER GRADING
EXTENT WAS NOT PROVIDED FOR
NORTHERN SWALE

Issue	Description	Date
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018

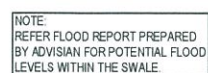
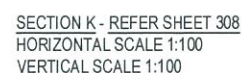
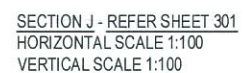
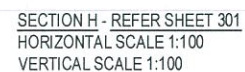
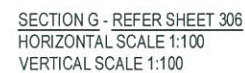


Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1 : 1000	Current Issue Signatures
Original Size	A1	Drawn M McDONALD
Height Datum	AHD	Designed GEVERETT
Gnd	MGA	Checked
File	C:\Users\10006310-nad-OverlandFlowChannels\LongitudinalSectionSheet1.dwg	

Project	SHELL COVE PRECINCT F AND G AND WETLAND 08
Title	OVERLAND FLOW CHANNELS LONGITUDINAL SECTION SHEET 1

Arcadis Australia Pacific Pty Limited Level 16, 580 George Street SYDNEY NSW 2000 ABN 76 104 485 289 Tel No: +61 2 8907 9000 Fax No: +61 2 8907 9001 arcadis.com		
Drawing No.	Project No.	Issue
C-FG-581	10006310	02



100mm on Original

Status	<h1 style="text-align: center;">PRELIMINARY ONLY</h1> <h2 style="text-align: center;">NOT TO BE USED FOR CONSTRUCTION</h2>		
Scales	1: 1000	Current Issue Signatures	
		Drawn M McDONALD	
Original Size	A1	Designed G EVERETT	
Height Datum	AHD	Checked	
Grid	MGA	Approved	
File Path: \\10006310-nsd-OverlandFlowChannelsSectionsAndDetailsSh			

Date Plotted: 13 Jun 2018 - 11:48AM File Name: F:\AA006310\E-CADIC-Civild-Final\C-Precinct F And Gc-fg-591-10006310-nsd-OverlandFlowChannelsSectionsAndDetailsSheet1.d

Project	SHELL COVE PRECINCT F AND G AND WETLAND 08
---------	--

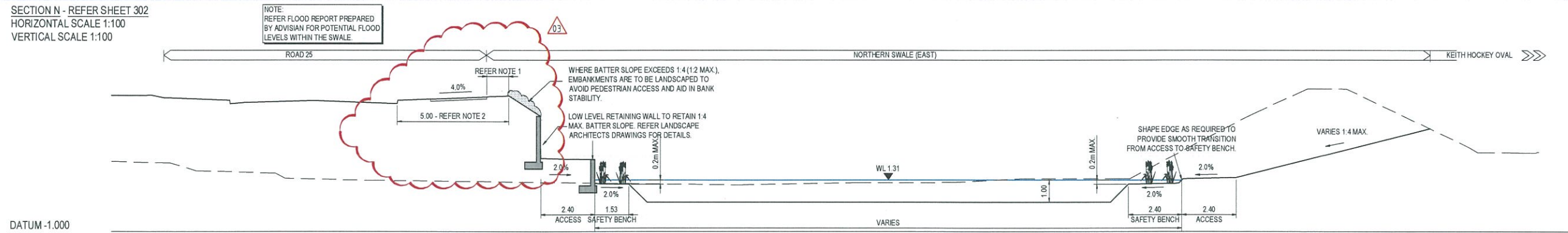
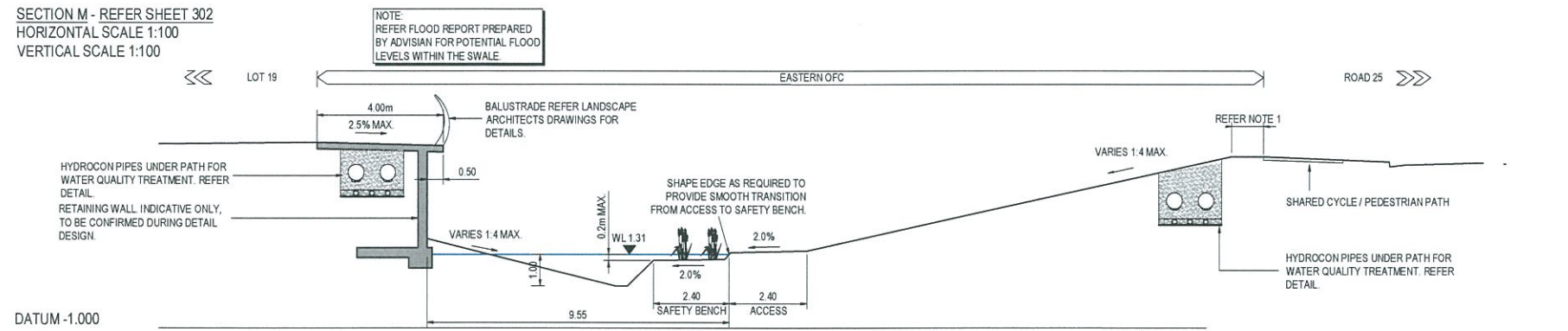
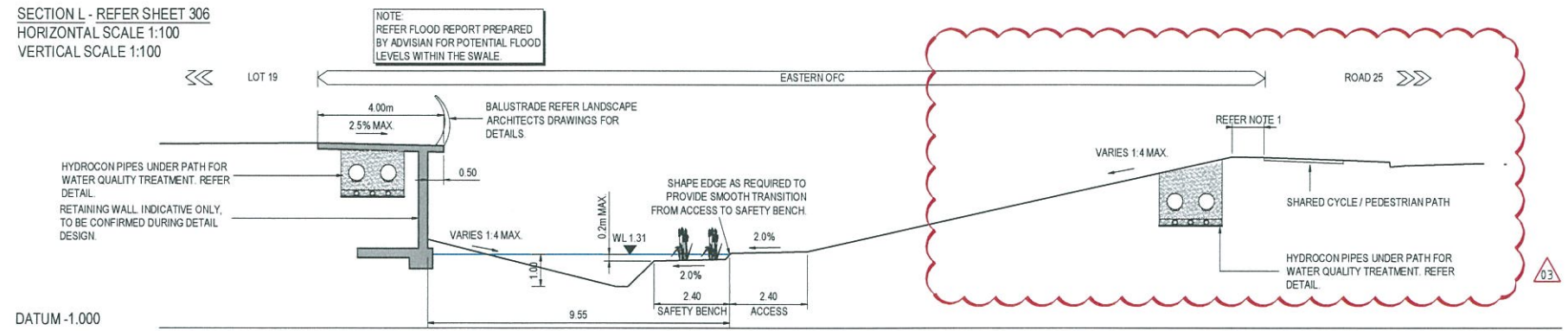
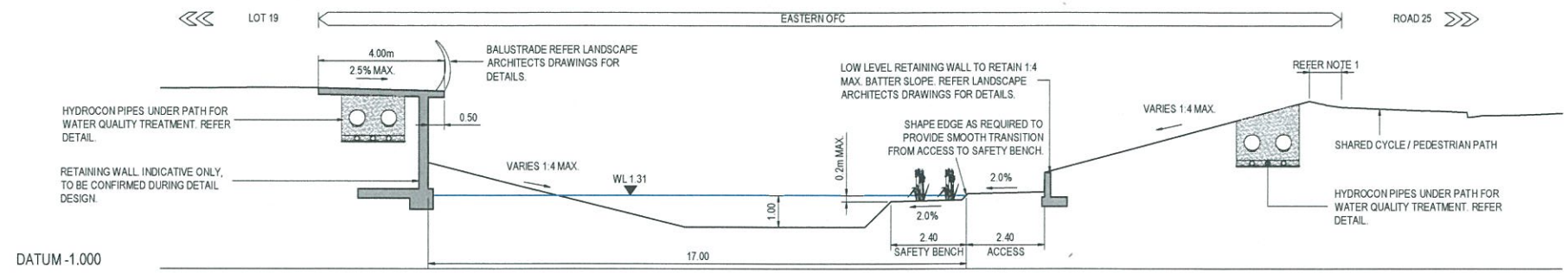
Title	OVERLAND FLOW CHANNELS SECTIONS AND DETAILS SHEET 1
-------	---



Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289

Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No.	Project No.	Iss
C-FG-591 —	10006310 —	0



NOTES:

1. AUSTRROADS GUIDE TO ROAD DESIGN PART 6A, PEDESTRIAN AND CYCLIST PATHS REQUIRES A MINIMUM 1.0m EXTENSION OF THE PATH CROSS FALL BEFORE THE TRANSITION TO A BATTER WITH A SLOPE GREATER THAN 1v5h. IF THIS EXTENSION IS OMITTED THE BATTER SLOPE IS TO BE FLATTENED TO 1v5h MAX. OR A BARRIER IS TO BE PROVIDED.
2. AUSTRROADS GUIDE TO ROAD DESIGN PART 6, ROADSIDE DESIGN, SAFETY AND BARRIERS, REQUIRES A MINIMUM 3.0m WIDTH OF CLEAR ZONE FROM THE EDGE OF THE TRAVELLED WAY IF THE SLOPE ADJACENT TO THE TRAVELLED WAY IS 1v6h OR FLATTER.

Issue	Description	Date
03	ADDRESS COUNCIL'S COMMENTS	7/02/2019
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018



Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1:1000	Current Issue Signatures
Original Size	A1	Drawn M McDONALD
Height Datum	AHD	Designed GEVERETT
Grid	MGA	Checked
		Approved

Project
**SHELL COVE
PRECINCT F AND G
AND WETLAND 08**

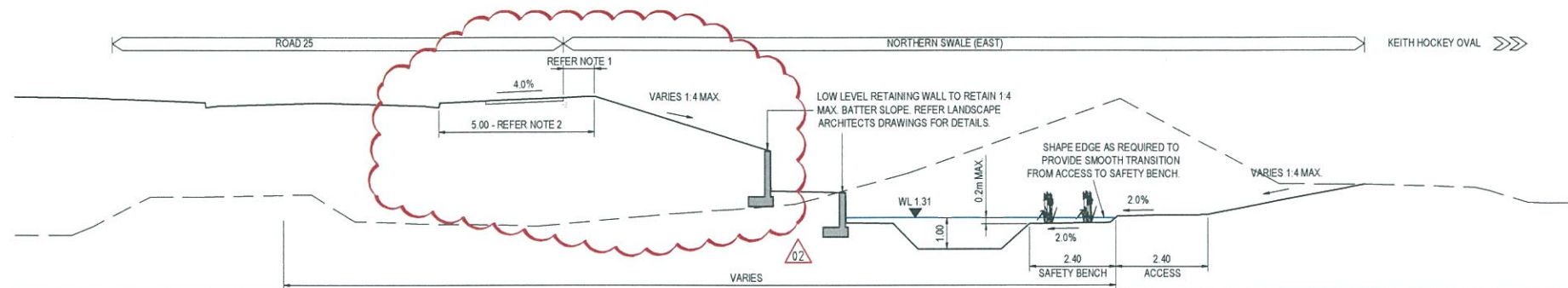
Title
**OVERLAND FLOW CHANNELS
SECTIONS AND DETAILS
SHEET 2**

ARCADIS

ArCADIS Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289

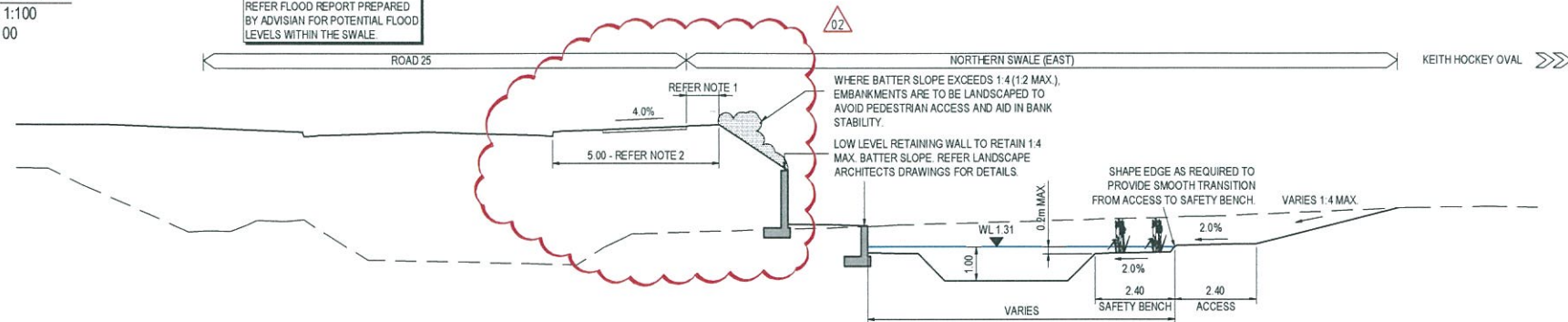
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No. C-FG-592
Project No. 10006310
Issue 03



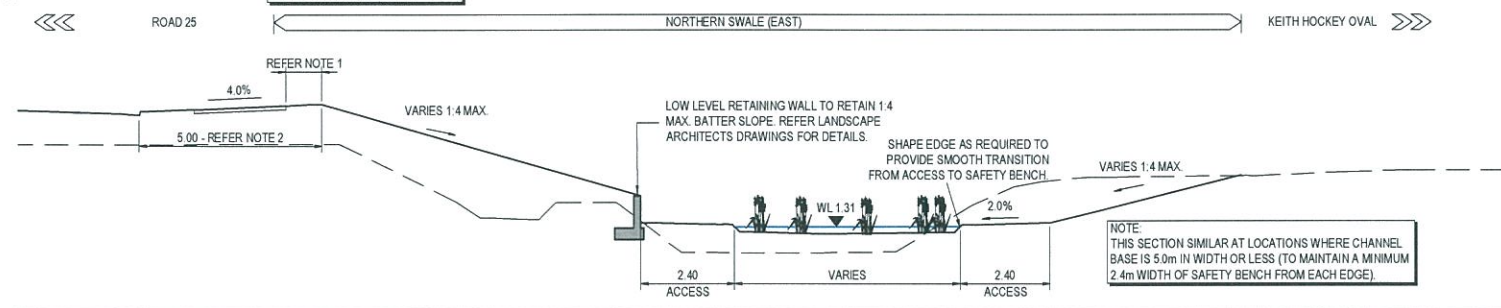
SECTION Q - REFER SHEET 303
HORIZONTAL SCALE 1:100
VERTICAL SCALE 1:100

NOTE:
REFER FLOOD REPORT PREPARED
BY ADVISIAN FOR POTENTIAL FLOOD
LEVELS WITHIN THE SWALE



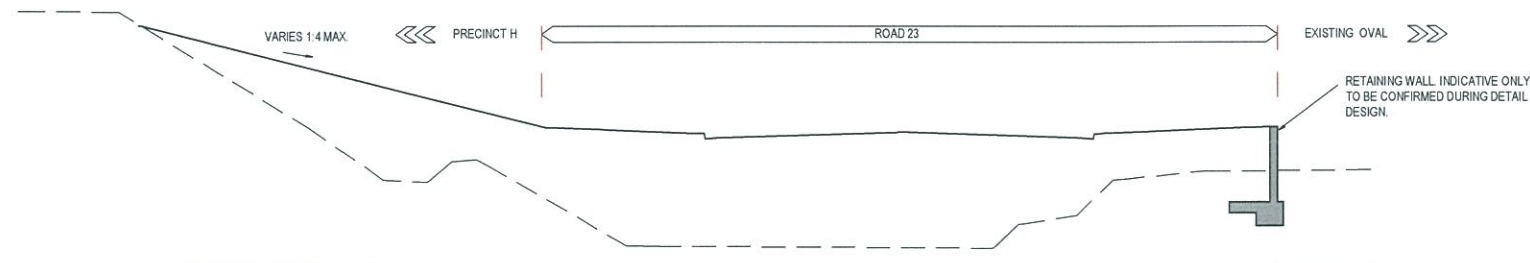
SECTION R - REFER SHEET 303
HORIZONTAL SCALE 1:100
VERTICAL SCALE 1:100

NOTE:
REFER FLOOD REPORT PREPARED
BY ADVISIAN FOR POTENTIAL FLOOD
LEVELS WITHIN THE SWALE



SECTION S - REFER SHEET 303
HORIZONTAL SCALE 1:100
VERTICAL SCALE 1:100

NOTE:
REFER FLOOD REPORT PREPARED
BY ADVISIAN FOR POTENTIAL FLOOD
LEVELS WITHIN THE SWALE



SECTION T - REFER SHEET XXXXX
HORIZONTAL SCALE 1:100
VERTICAL SCALE 1:100

NOTES:

1. AUSTRROADS GUIDE TO ROAD DESIGN PART 6A: PEDESTRIAN AND CYCLIST PATHS REQUIRES A MINIMUM 1.0m EXTENSION OF THE PATH CROSS FALL BEFORE THE TRANSITION TO A BATTER WITH A SLOPE GREATER THAN 1v5h. IF THIS EXTENSION IS OMITTED THE BATTER SLOPE IS TO BE FLATTENED TO 1v5h MAX. OR A BARRIER IS TO BE PROVIDED.
2. AUSTRROADS GUIDE TO ROAD DESIGN PART 6: ROADSIDE DESIGN, SAFETY AND BARRIERS, REQUIRES A MINIMUM 3.0m WIDTH OF CLEAR ZONE FROM THE EDGE OF THE TRAVELLED WAY IF THE SLOPE ADJACENT TO THE TRAVELLED WAY IS 1v5h OR FLATTER.

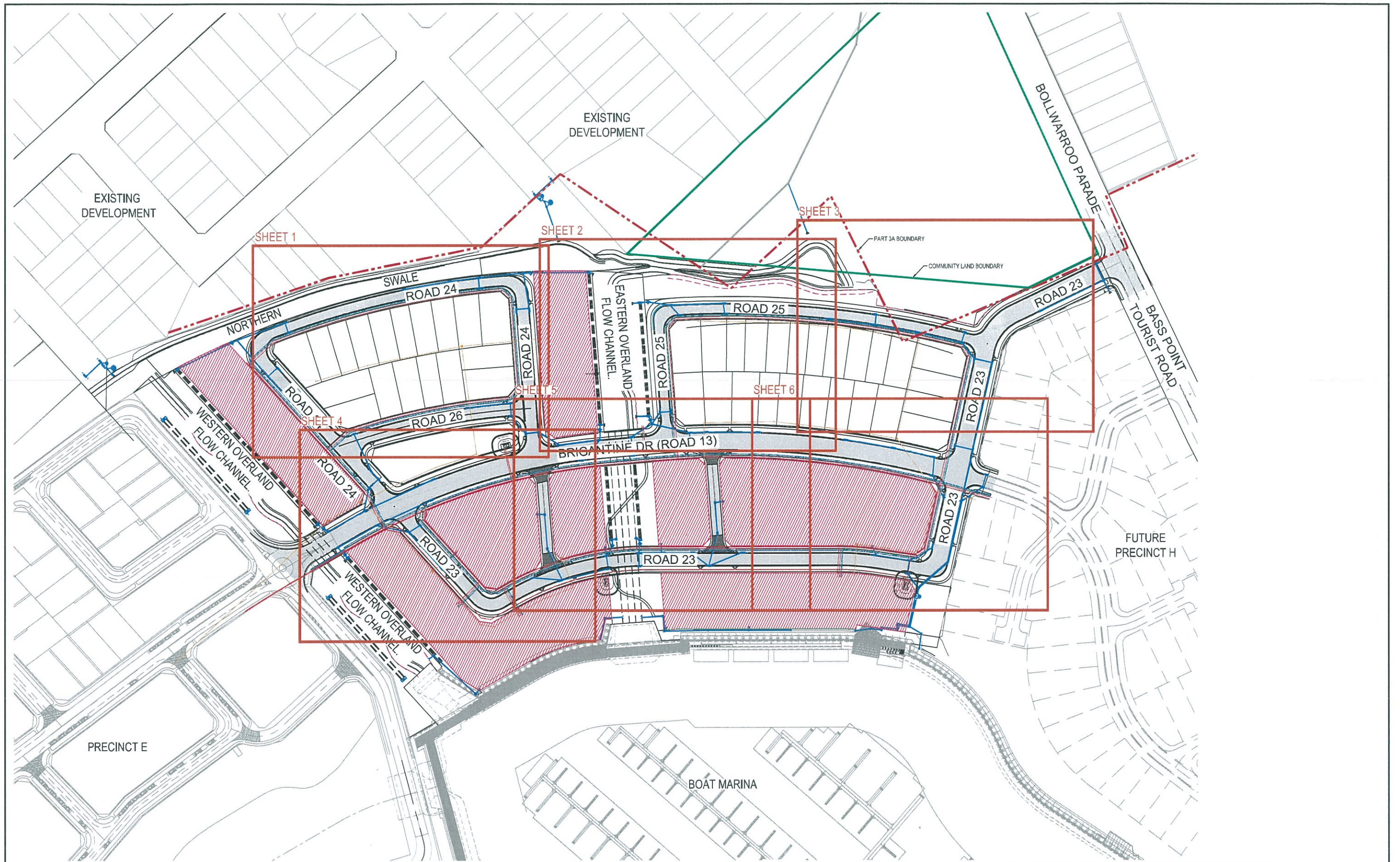
Issue	Description	Date
02	ADDRESS COUNCIL'S COMMENTS	7/02/2019
01	ISSUED FOR CLIENT REVIEW	17/05/2018



Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION		
Scales	1:1000	Current Issue Signatures	
Original Size	A1	Drawn	MCDONALD
Height Datum	AHD	Designed	GEVERETT
Grid	MGA	Checked	
File Path	C:\p\10006310-nad-OverlandFlowChannelsSectionsAndDetailsSheet3.dwg		

Project	SHELL COVE PRECINCT F AND G AND WETLAND 08		
Title	OVERLAND FLOW CHANNELS SECTIONS AND DETAILS SHEET 3		

Arcadis Australia Pacific Pty Limited Level 16, 580 George Street SYDNEY NSW 2000 ABN 76 104 485 289 Tel No: +61 2 8907 9000 Fax No: +61 2 8907 9001 arcadis.com		
Drawing No.	Project No.	Issue
C-FG-593	10006310	02



Issue	Description	Date
01	ISSUED FOR CLIENT REVIEW	11/05/2018

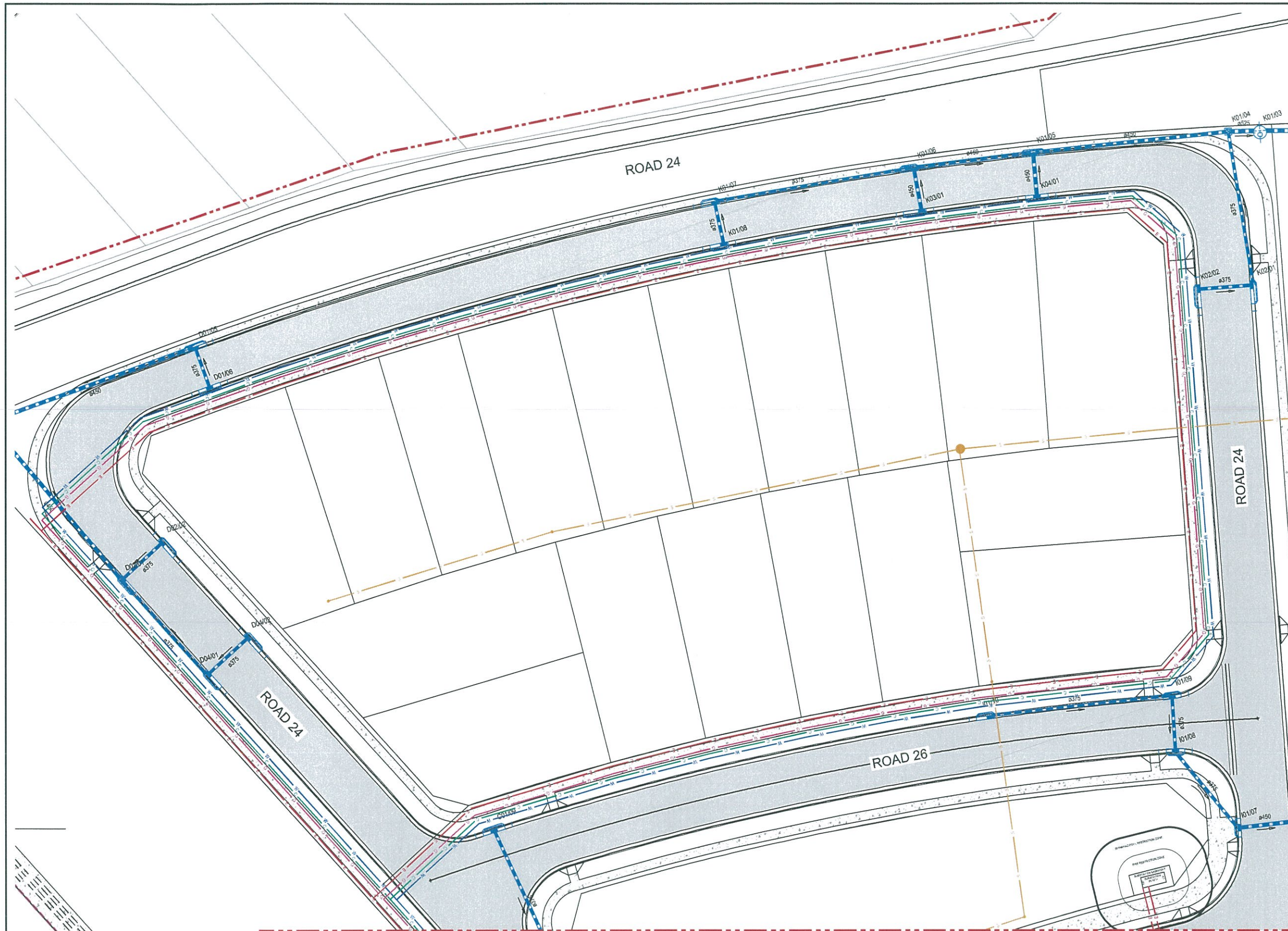


Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1:1000	Current Issue Signatures
Original Size	A1	Drawn M McDONALD
Height Datum	AHD	Designed GEVERETT
Grid	MGA	Checked
Approved		
Filename: C:\g-600-10006310-nsd-CombinedServicesLayoutPlan.dwg		

Project	SHELL COVE PRECINCT F AND G AND WETLAND 08
Title	COMBINED SERVICES LAYOUT PLAN

ARCADIS
 Arcadis Australia Pacific Pty Limited
 Level 16, 580 George Street
 SYDNEY NSW 2000
 ABN 76 104 485 289
 Tel No: +61 2 8907 9000
 Fax No: +61 2 8907 9001
 arcadis.com

Drawing No. C-FG-600 - Project No. 10006310 - Issue 01



LEGEND	
	SEWER MAIN
	WATER MAIN
	PROPOSED COMMS
	GAS MAIN
	ELECTRICITY (UNDERGROUND)
	ELECTRICITY (HIGH VOLTAGE)
	PROPOSED STREET LIGHT
	SEWER MANHOLE
	ELECTRICAL PADMOUNT SUBSTATION

NOTES:

- REFER TO SHEET 002 FOR GENERAL NOTES
- PROPOSED UTILITIES ARE SHOWN INDICATIVELY AND ARE SUBJECT TO FUTURE DETAILED DESIGN
- LOCATION OF SUBSTATIONS TO BE CONFIRMED AT DETAILED DESIGN STAGE
- PROPOSED UTILITY LEAD IN DESIGNS TO BE CONFIRMED DURING DETAILED DESIGN STAGE

Issue	Description	Date
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018



Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1 : 250	Current Issue Signatures
Original Size	A1	Drawn M McDONALD
Height	AHD	Designed GEVERETT
Grid	MGA	Checked
		Approved
Filename:	C:\g-601-10006310-nsd-CombinedServicesPlanSheet1.dwg	

Project	SHELL COVE PRECINCT F AND G AND WETLAND 08
Title	COMBINED SERVICES PLAN SHEET 1

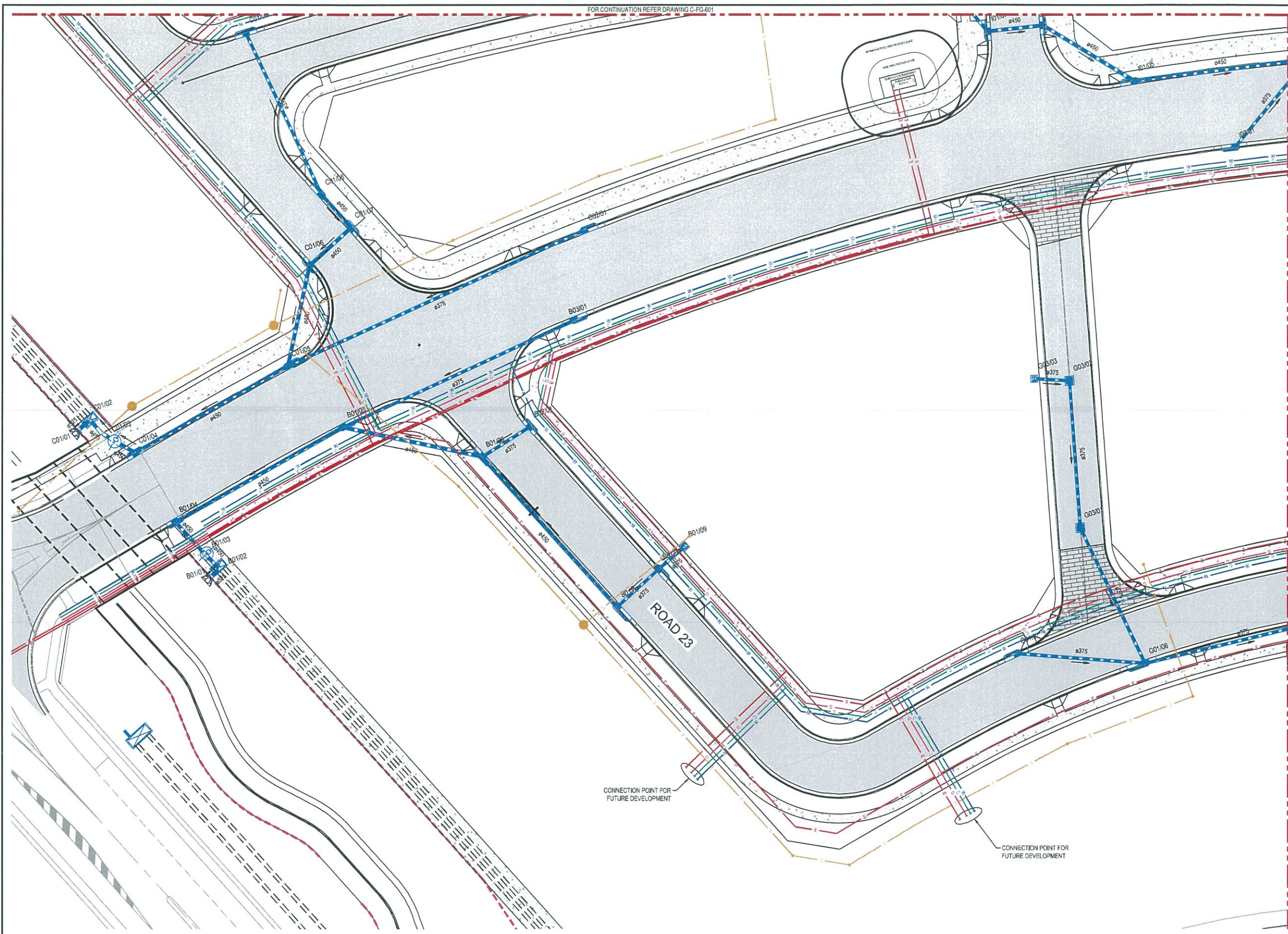
ARCADIS

Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 495 289

Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No: C-FG-601 - Project No: 10006310 - Issue: 02

FOR CONTINUATION REFER DRAWING C-FG-601



LEGEND

- SEWER MAIN
- WATER MAIN
- PROPOSED COMMS
- GAS MAIN
- ELECTRICITY (UNDERGROUND)
- ELECTRICITY (HIGH VOLTAGE)
- PROPOSED STREET LIGHT
- SEWER MANHOLE
- ELECTRICAL PADMOUNT SUBSTATION

NOTES:

- REFER TO SHEET 002 FOR GENERAL NOTES.
- PROPOSED UTILITIES ARE SHOWN INDICATIVELY AND ARE SUBJECT TO FUTURE DETAILED DESIGN.
- LOCATION OF SUBSTATIONS TO BE CONFIRMED AT DETAILED DESIGN STAGE.
- PROPOSED UTILITY LEAD IN DESIGNS TO BE CONFIRMED DURING DETAILED DESIGN STAGE.

FOR CONTINUATION REFER DRAWING C-FG-605

Issue	Description	Date
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018

Scale: 1 : 250

100mm on Original

Client: FRASERS PROPERTY

Status: PRELIMINARY ONLY
NOT TO BE USED FOR CONSTRUCTION

Scales: 1 : 250

Original Size: A1

Height Datum: AHD

Grid: MGA

Filename: C:\g-604-10006310-nsd-CombinedServicesPlanSheet4.dwg

Date Plotted: 13 Jun 2018 - 03:09PM File Name: F:\W\006310\E-CAD\C-CivilD-Final-C-Precinct F And G-C-FG-604-10006310-nsd-CombinedServicesPlanSheet4.dwg

Project: SHELL COVE
PRECINCT F AND G
AND WETLAND 08

COMBINED SERVICES PLAN
SHEET 4

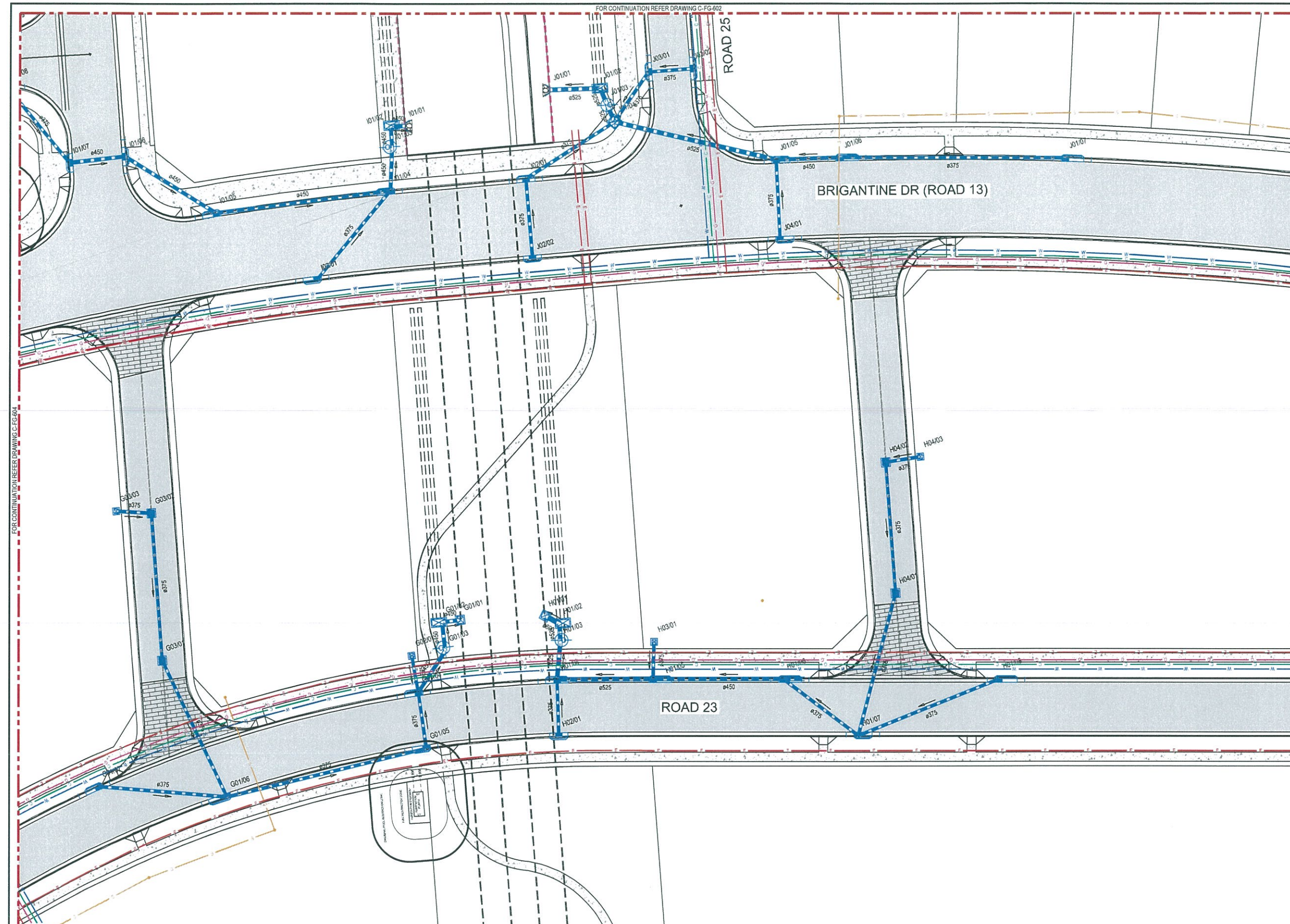
ARCADIS

Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289

Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No: C-FG-604
Project No: 10006310
Issue: 02

FOR CONTINUATION REFER DRAWING C-FG-602



LEGEND

- SEWER MAIN
- WATER MAIN
- PROPOSED COMMS
- GAS MAIN
- ELECTRICITY (UNDERGROUND)
- ELECTRICITY (HIGH VOLTAGE)
- PROPOSED STREET LIGHT
- SEWER MANHOLE
- ELECTRICAL PADMOUNT SUBSTATION

NOTES:

- REFER TO SHEET 002 FOR GENERAL NOTES.
- PROPOSED UTILITIES ARE SHOWN INDICATIVELY AND ARE SUBJECT TO FUTURE DETAILED DESIGN.
- LOCATION OF SUBSTATIONS TO BE CONFIRMED AT DETAILED DESIGN STAGE.
- PROPOSED UTILITY LEAD IN DESIGNS TO BE CONFIRMED DURING DETAILED DESIGN STAGE.

Issue	Description	Date
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018

Client

Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1 : 250	Current Issue Signatures
Original Size	A1	Drawn M McDONALD
Height Datum	AHD	Designed GEVERETT
Grid	MGA	Checked
File name:	C-fg-605-10006310-nad-CombinedServicesPlanSheet5.dwg	
Approved		

Project

SHELL COVE
PRECINCT F AND G
AND WETLAND 08

Title

COMBINED SERVICES PLAN
SHEET 5

Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No.	Project No.	Issue
C-FG-605	10006310	02

FOR CONTINUATION REFER DRAWING C-FG-603

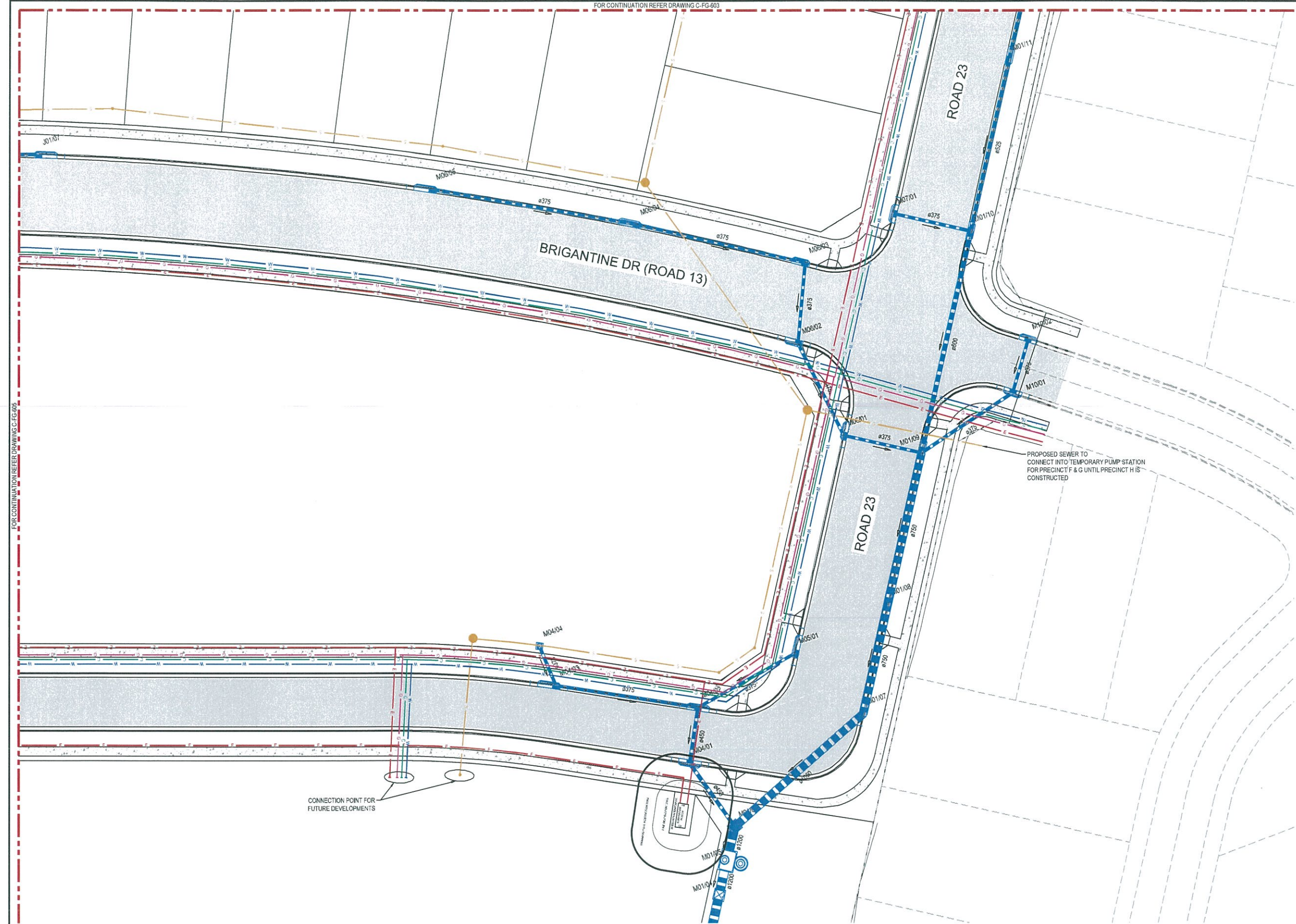
LEGEND

	SEWER MAIN
	WATER MAIN
	PROPOSED COMMS
	GAS MAIN
	ELECTRICITY (UNDERGROUND)
	ELECTRICITY (HIGH VOLTAGE)
	PROPOSED STREET LIGHT
	SEWER MANHOLE
	ELECTRICAL PADMOUNT SUBSTATION

NOTES:

- REFER TO SHEET 002 FOR GENERAL NOTES.
- PROPOSED UTILITIES ARE SHOWN INDICATIVELY AND ARE SUBJECT TO FUTURE DETAILED DESIGN.
- LOCATION OF SUBSTATIONS TO BE CONFIRMED AT DETAILED DESIGN STAGE.
- PROPOSED UTILITY LEAD IN DESIGNS TO BE CONFIRMED DURING DETAILED DESIGN STAGE.

FOR CONTINUATION REFER DRAWING C-FG-605



Issue	Description	Date
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018



Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1 : 250	Current Issue Signatures
Original Size	A1	Drawn M McDONALD
Height Datum	AHD	Designed GEVERETT
Grid	MGA	Checked
File name:	C:\g-606-10006310-nad-CombinedServicesPlanSheet6.dwg	
Approved		

Project	SHELL COVE PRECINCT F AND G AND WETLAND 08
Title	COMBINED SERVICES PLAN SHEET 6



Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No.	Project No.	Issue
C-FG-606	10006310	02