PROPOSED SUBDIVISION

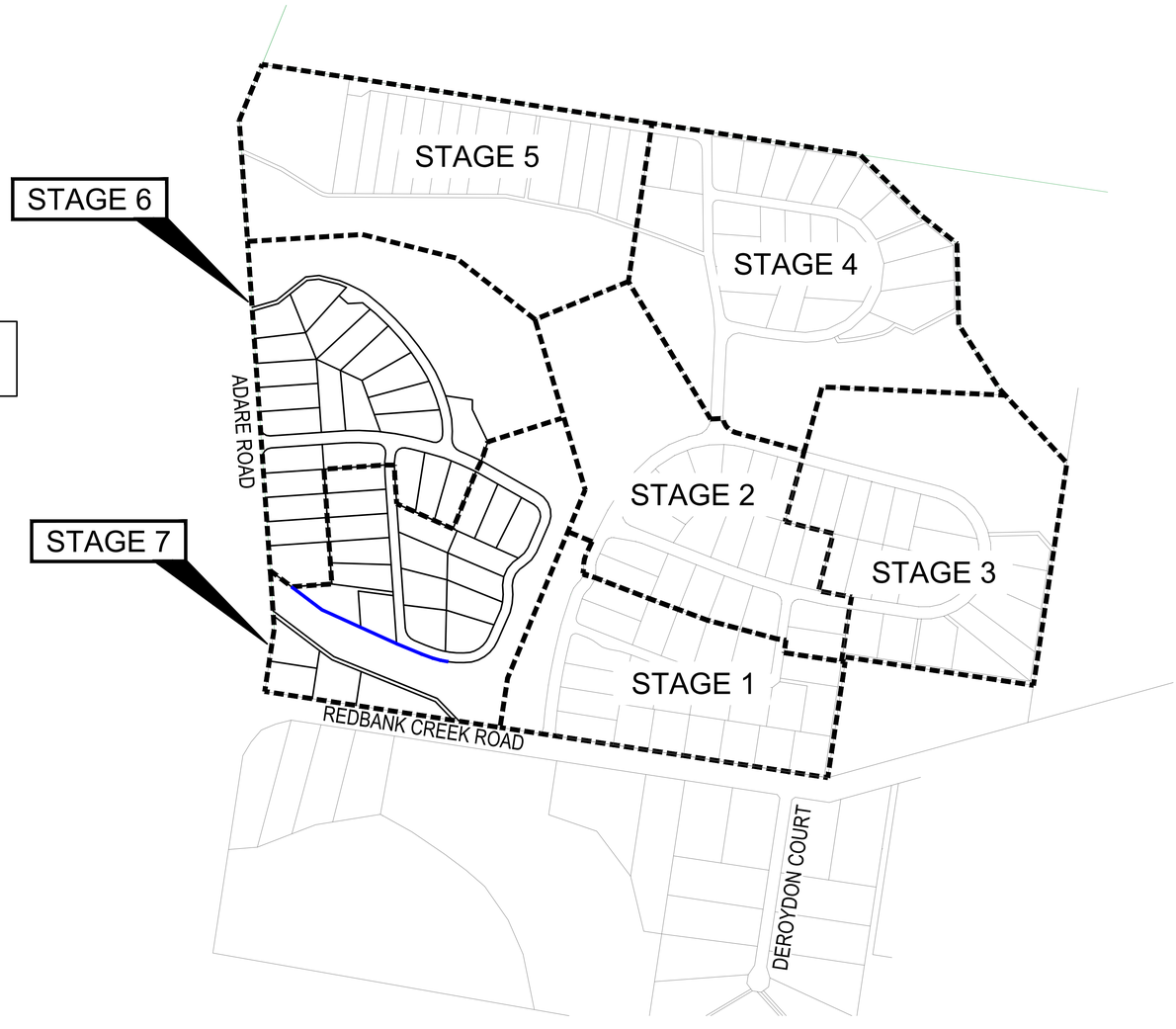
PARKLAKE, ADARE - STAGES 6 AND 7

174 ADARE ROAD, ADARE, QLD 4343

LEGEND

PROPOSED

FENCING



LOCALITY PLAN
SCALE 1:5000

CIVIL ENGINEERING DRAWINGS	
SHEET NUMBER	SHEET TITLE
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C6450	ROAD LONGITUDINAL SECTION - HAMILTON DRIVE - SHEET 1
C6451	ROAD LONGITUDINAL SECTION - HAMILTON DRIVE - SHEET 2
C6452	ROAD LONGITUDINAL SECTION - HAMILTON DRIVE - SHEET 3
C6453	ROAD LONGITUDINAL SECTION - HAMILTON DRIVE - SHEET 4
C6454	ROAD CROSS SECTIONS - HAMILTON DRIVE - SHEET 1
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C6462	ROAD CROSS SECTIONS - REDBANK CREEK ROAD - SHEET 1
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C6464	ROAD CROSS SECTIONS - ADARE CREEK ROAD - SHEET 1
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C6550	DRAINAGE LONGITUDINAL SECTIONS - SHEET 1
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C6555	DRAINAGE CULVERT DETAILS
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C6700	BUSHFIRE TRAIL 7 AND 8 PLAN
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C6702	BUSHFIRE TRAIL 7 LONGITUDINAL CROSS SECTIONS
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C6706	BUSHFIRE TRAIL 8 CROSS SECTIONS - SHEET 2
C6707	BUSHFIRE TRAIL DETAILS

REVISIONS:

No.	REVISION DESCRIPTION	DRAWN	DATE
0	ISSUED FOR CONSTRUCTION	MP	13/03/25

PARKLAKE ADARE

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IF IN DOUBT - ASK.

CLIENT
PARK LAKE ADARE PTY LTD
PO BOX 4107 SPRINGFIELD QLD 4300

SCALE
0 100 200 300 400 500m
SCALE 1:5000

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
COVER SHEET

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE
CK	MP	CALVIN KIRK RPEQ:19636
DRAFTSPERSON	SCALE	DATE
MP	AS SHOWN	13/03/25
JOB No.	DRAWING No.	SHEET SIZE / REVISION
BR242036	C6000	A1 / 0

GENERAL NOTES

G1. ALL LEVELS SHALL BE OBTAINED FROM ESTABLISHED BMS OR SSM.

G2. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORK.

G3. ALL WORKS ARE TO BE UNDERTAKEN IN ACCORDANCE WITH COUNCIL'S SPECIFICATIONS AND THE DIRECTIONS OF THE SUPERINTENDENT.

G4. DIMENSIONS MUST NOT BE SCALED FROM DRAWINGS.

G5. CONTRACTOR TO ENSURE THAT ALL ROADWORKS ARE SMOOTHLY TRANSITIONED TO EXISTING LEVELS FREE FROM ABRUPT CHANGES.

G6. THE CONTRACTOR SHALL ARRANGE ALL SURVEY SETOUT TO BE CARRIED OUT BY A REGISTERED SURVEYOR. FURTHER, THE LOCATION OF RECOVERY MARKS SHOULD BE VERIFIED AND CONFIRMED BY THE CONTRACTOR AND ANY DISCREPANCIES SHOULD BE CLARIFIED IN WRITING WITH THE SUPERINTENDENT PRIOR TO THE COMMENCEMENT OF WORK.

G7. AT COMPLETION OF WORKS ALL ADJOINING DISTURBED AREAS ARE TO BE REINSTATED TO THE "AS FOUND" CONDITION.

G8. THE CONTRACTOR SHALL ENSURE ALL AREAS DRAIN WITH A MINIMUM FALL OF 1% (1:100) GRADE TO OUTLETS UNLESS INDICATED OTHERWISE. NO WORKS SHALL CAUSE PONDING OF STORMWATER ON UPSTREAM PROPERTIES OR CONCENTRATE RUNOFF ONTO DOWNSTREAM PROPERTIES.

G9. THESE PLANS SHALL BE READ IN CONJUNCTION WITH APPROVED LANDSCAPE, ARCHITECTURAL, ELECTRICAL, RETICULATION, WATER AND SEWER DRAWINGS AND SPECIFICATIONS AND OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED.

G10. THE CONTRACTOR SHALL ENSURE THAT ALL PAVEMENTS GRADE EVENLY BETWEEN NOMINATED RL'S ON PLAN AND NO POND OF WATER OCCURS.

G11. ALL DIMENSIONS ARE IN METERS UNLESS STATED OTHERWISE. ALL LEVELS ARE EXPRESSED IN METERS.

G12. DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STRUCTURE IN A STABLE CONDITION AND ENSURING NO PART SHALL BE OVERSTRESSED UNDER CONSTRUCTION ACTIVITIES.

G13. WORKMANSHIP AND MATERIALS ARE TO BE IN ACCORDANCE WITH THE RELEVANT CURRENT S.A.A. CODES INCLUDING ALL AMENDMENTS, AND THE LOCAL STATUTORY AUTHORITIES, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.

G14 THE APPROVAL OF A SUBSTITUTION SHALL BE SOUGHT FROM THE ENGINEER BUT IS NOT AN AUTHORIZATION FOR AN EXTRA. ANY EXTRAS INVOLVED MUST BE TAKEN UP WITH THE SUPERINTENDENT BEFORE THE WORK COMMENCES.

G15 THE CONTRACTOR IS TO EMPLOY A QUALIFIED GEOTECHNICAL ENGINEER AS REQUIRED FOR ALL GEOTECHNICAL ASPECTS OF THE BUILDING WORKS. REFER TO FOUNDATION, GROUNDWORKS AND RETENTION/SHORING NOTES. REFER ALSO TO THE GEOTECHNICAL REPORT FOR THIS PROJECT.

G16 ORIGINAL SURVEY WAS COMPLETED BY BPLANNED & SURVEYED PH.1300 275 266

G17 ALL TREES/SCRUB/VEGETATION WITHIN THE AREA OF WORKS UNDER 200 DBH TO BE REMOVED NOTING SIGNIFICANT TREES IDENTIFIED AND DEALT WITH VIA THE APPROVAL PROCESS.

SUBGRADE PREPARATION

RW1. REMOVE ALL VEGETATION, TOPSOIL AND DELETERIOUS MATERIAL FROM AREA OF PROPOSED BUILDING PLATFORM AND PAVEMENTS.

RW2. PROOF ROLL EXPOSED SUB GRADE TO ACHIEVE A MINIMUM COMPACTION OF 98% STANDARD MAXIMUM DRY DENSITY (SMDD), DETERMINED BY THE STANDARD COMPACTION TEST IN ACCORDANCE WITH CURRENT AUSTRALIAN STANDARD 1289.5.1.1.

RW3. REMOVE ANY SOFT, HEAVING, WET OR UNSTABLE AREAS IDENTIFIED DURING PROOF ROLLING AND REPLACE USING SELECT IMPORTED FILL COMPACTED IN LAYERS NOT EXCEEDING 200mm MEASURED LOOSE TO ACHIEVE A MINIMUM 98% STANDARD MAXIMUM DRY DENSITY.

RW4. NOTE THAT THE SITE IS UNDERLAIN BY EXISTING SERVICES AND COMPACTION UTILISING VIBRATION MAY NOT BE SUITABLE IN THE VICINITY OF UNDERGROUND SERVICES.

RW5. ANY FILL REQUIRED TO RAISE LEVELS TO BULK EARTHWORKS TO WITHIN 50mm OF NOMINATED LEVELS IS TO BE APPROVED GRANULAR MATERIAL COMPACTED IN LAYERS NOT EXCEEDING 300mm MEASURED LOOSE TO 98% STANDARD MAXIMUM DRY DENSITY WITHIN 2% OF STANDARD OPTIMUM MOISTURE CONTENT (SOMC).

RW6. THE CONTRACTOR IS TO PROVIDE CERTIFICATION TO THE EFFECT THAT EARTHWORKS COMPACTION TO 98% STANDARD MAXIMUM DRY DENSITY, (AS 1289 E1.1, E4.1) HAS BEEN ACHIEVED, UNLESS OTHERWISE AGREED IN WRITING BY THE SITE SUPERINTENDENT.

RW7. THE CONTRACTOR IS TO PROVIDE TO THE SITE SUPERINTENDENT A SURVEY CONFIRMATION FROM A REGISTERED SURVEYOR, CONFIRMING BULK EARTHWORKS LEVELS AS WITHIN +/-50mm OF LEVELS NOMINATED.

RW8. SUBGRADE REPLACEMENT MATERIAL IS TO CONSIST OF CLEAN, UNCONTAMINATED, WELL-GRADED MATERIAL WITH A MAXIMUM PARTICLE SIZE OF 75mm, WITH 80% LESS THAN 20mm, AND A SOAKED C.B.R. GREATER THAN 10% AND A PLASTICITY INDEX LESS THAN 12.

RW9. BACK FILLING FOR SERVICE TRENCHES AND REMOVED SERVICES OR PITS OR FOUNDATIONS IS TO USE APPROVED WELL-GRADED GRANULAR MATERIAL WITH MINIMUM VOIDS, (EITHER SELECT INSITU OR IMPORTED FILL), COMPACTION AS SPECIFIED ABOVE.

RW10. ALL EARTHWORKS TO BE UNDERTAKEN IN ACCORDANCE WITH AS3798-1996: GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS.

GENERAL EARTHWORKS

E1. THE SITE OF THE WORKS SHALL BE PREPARED BY STRIPPING ALL EXISTING TOPSOIL, FILL AND VEGETATION.

E2. COMPACT SUBGRADE TO 98% OF THE STANDARD MAXIMUM DRY DENSITY WHEN TESTED IN ACCORDANCE WITH AUSTRALIAN STANDARD AS 1289 TESTS E.1.1. OR E.1.2. THE EXPOSED SUBGRADE SHOULD BE PROOF ROLLED TO DETECT ANY SOFT OR WET AREAS WHICH SHOULD BE LOCALLY EXCAVATED AND BACK FILLED WITH SELECTED MATERIAL. THE BACK FILLING MATERIAL SHALL BE IMPORTED GRANULAR FILL OF LOW PLASTICITY, PREFERABLY CRUSHED SANDSTONE, AND TO BE PLACED IN LAYERS NOT EXCEEDING 300mm LOOSE THICKNESS AND COMPACTED TO 98% OF STANDARD MAXIMUM DRY DENSITY WITHIN 2% OF STANDARD OPTIMUM MOISTURE CONTENT. SITE WORKS ARE TO BE BATTERED TO ADJACENT PROPERTY LEVELS.

E3. NO STORMWATER IS TO POND ON ADJOINING PROPERTIES. THE SITE SHALL BE GRADED AND DRAINED SO THAT STORMWATER WILL BE DIRECTED AWAY FROM THE BUILDING PLATFORM. STORMWATER DRAINAGE SHALL BE PROVIDED AND MAINTAINED THROUGHOUT THE COURSE OF CONSTRUCTION. ALL STORMWATER RUNOFF SHALL BE GRADED AWAY FROM THE DWELLING AND DISPOSED OF VIA SURFACE CATCHDRAINS AND STORMWATER COLLECTION PITS.

E4. ENSURE ALL RETAINING WALLS ARE CONSTRUCTED WITH ADEQUATE SUBSOIL DRAINAGE.

GROUND WORKS AND EXCAVATION

GW1. ALL GROUND WORKS AND EXCAVATION SHALL BE IN ACCORDANCE WITH GEOTECHNICAL REPORT: 93323.00.R.01.Rev01.

GW2. SEPARATE AND REMOVE ALL TOPSOIL, NON SOIL MATERIAL, CONCRETE, VEGETATION, BRICKBATS, TIMBER, ROOT AFFECTED SOIL AND EXISTING FILL. STORE TOPSOIL IF REQUIRED.

GW3. ALL EXCAVATIONS SHALL BE FINISHED CLEAN AND HORIZONTAL AND SHALL NOT UNDERMINE FOOTINGS, WALLS etc...

GW4. PROOF ROLL WITH AN 8 TONNE ROLLER, REPLACE ANY SOFT MATERIAL WITH APPROVED FILL AND RE-COMPACT. GEOTECHNICAL ENGINEER TO APPROVE.

GW5. THE FILL IS TO BE PLACED AND COMPACTED IN LAYERS OF MAXIMUM LOOSE THICKNESS 300mm.

GW6. TOP LAYER OF PAVED AREAS TO BE COMPACTED TO MINIMUM 98% STANDARD MAXIMUM DRY DENSITY. GEOTECHNICAL ENGINEER TO VERIFY.

GW7. ALL PERMANENT EMBANKMENTS TO BE COMPACTED IN 200 mm LAYERS AS PER NOTE GW6 AND AT A MAXIMUM SLOPE OF 1 VERTICAL TO 2.5 HORIZONTAL UNLESS NOTED OTHERWISE. SHOULD DRAINAGE BE REQUIRED THEN SUBMIT DETAILS TO THE ENGINEER.

GW8. ALL GROUND WORKS SHALL BE TESTED BY AN APPROVED GEOTECHNICAL ENGINEER TO A LEVEL 1 STANDARD IN ACCORDANCE WITH AS 3798 - 1996.

GW9. ALL EXCAVATIONS TO BE INSPECTED AT REGULAR INTERVALS BY A GEOTECHNICAL ENGINEER.

GW10. REFER TO ARCHITECTURAL DRAWINGS TO CONFIRM SETOUT OF BUILDINGS, CARPARKS ETC.

GW11. THE LEVELS SHOWN ARE ONLY RELEVANT TO THE PLAN UPON WHICH THEY ARE SHOWN.

GW12. ALL CONTOURS AND LEVELS USED TO PRODUCE EARTHWORK DETAILS HAVE BEEN BASED ON SURVEYOR AND ARCHITECTS SURVEY INFORMATION.

GW13. ALL FINISHED FLOOR LEVELS ARE TO BE CONFIRMED BY ARCHITECT.

GW14. ALL EXISTING SERVICES ARE TO BE CAPPED OFF PRIOR TO ANY WORKS.

GW15. A PRE-CONSTRUCTION MEETING SHALL BE HELD BETWEEN THE CONTRACTOR, THE GEOTECHNICAL ENGINEER, AND THE EARTHWORKS CONTRACTOR TO UNDERSTAND POTENTIAL DIFFICULTIES AND TO ORGANISE TESTING PROCEDURES. THE CONTRACTOR SHALL CONFIRM TO THE ENGINEER THAT THE MEETING HAS BEEN HELD.

DRAINAGE NOTES

D1. PIT LEVELS SHOWN ON STORMWATER DRAINAGE PLANS ARE FOR INFORMATION. EXACT PIT LEVELS TO BE ADJUSTED TO SUIT FALLS IN PAVEMENT/LANDSCAPED AREA.

D2. PITS GREATER THAN 1.2m DEEP TO BE FITTED WITH STEP IRONS.

D3. DRAINAGE PIPES SHALL BE BACKFILLED WITH COMPACTED CLEAN SHARP SAND TO 200 ABOVE PIPE OBVERT. ADDITIONAL BACKFILL UNDER ROADS SHALL CONSIST OF CLASS 2 F.C.R. MATERIAL COMPACTED IN 200mm LAYERS TO 98% SMDD. UNDER LANDSCAPED AREAS ADDITIONAL BACKFILL SHALL CONSIST OF GRANULAR MATERIAL COMPACTED IN 200mm LAYERS TO 95% SMDD.
A 3m LENGTH OF 100 Ø SLOTTED AGRICULTURAL LINE SURROUNDED BY GEOTECH STOCKING SHALL BE PROVIDED ON THE UPSTREAM SIDE OF ALL PITS.

D4. CONCRETE STORMWATER PIPES TO BE CLASS '3' UNDER ROADS AND CLASS '2' IN NON-TRAFFICED AREAS. ALL PIPES GREATER THAN 300Ø ARE TO BE RUBBER RING JOINTS U.N.O.

D5. 150Ø, 225Ø AND 300Ø uPVC PIPES TO BE SEWER GRADE PIPE UNDER TRAFFICABLE PAVEMENT. MIN. 400 COVER UNDER NON-TRAFFICABLE PAVEMENT.

D6. PIT COVERS AND GRATED DRAINS IN TRAFFICABLE PAVEMENT TO BE AS 3996 CLASS D "HEAVY DUTY" AND IN NON-TRAFFICABLE AREAS TO BE AS 3996 CLASS C "LIGHT DUTY".

D7. SUPERINTENDENT TO APPROVE LOCATION OF SUBSOIL OUTLET HEADWALLS IN ACCORDANCE WITH IPWEAQ STD DRG RS-142.

UTILITY SERVICES

S1. CONDUITS TO BE PROVIDED FOR WATER AND ENERGY AUTHORITIES, TELSTRA AND OTHER SERVICES AS REQUIRED.

S2. THE LOCATIONS OF UNDERGROUND SERVICES SHOWN ON THESE DRAWING'S HAVE BEEN PLOTTED FROM SURVEY AND 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.

S3. VAN DER MEER CANNOT 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 ARISING FROM ANY CAUSE WHATSOEVER.

S4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH THE LOCATION AND LEVEL OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF ANY WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE SUPERINTENDENT. CLEARANCES SHALL BE OBTAINED FROM THE RELEVANT SERVICE AUTHORITY.

S5. CONTRACTORS SHALL TAKE DUE CARE WHEN EXCAVATING ON SITE INCLUDING HAND EXCAVATION WHERE NECESSARY.

S6. CONTRACTORS ARE TO CONTACT THE RELEVANT SERVICE AUTHORITY PRIOR TO COMMENCEMENT OF EXCAVATION OR FUTURE WORKS.

S7. 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.

S8. THE CIVIL CONTRACTOR SHALL ACKNOWLEDGE THE TELSTRA WORKS SCOPE AND AGREE NOT TO CHARGE ANY VARIATIONS AS A RESULT OF HAVING TO WORK WITH THE CONTRACTOR APPOINTED BY TELSTRA.

TELSTRA - DUTY OF CARE NOTE:
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 UPHOLD 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.
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 POT HOLING TO IDENTIFY IT'S LOCATION. TELSTRA WILL SEEK COMPENSATION FOR DAMAGES CAUSED TO IT'S PROPERTY AND LOSSES CAUSED TO TELSTRA AND IT'S CUSTOMERS.
ELECTRICAL AND GAS NETWORK:
A MINIMUM OF 30 DAYS PRIOR TO COMMENCEMENT OF EXCAVATION WORKS THE SUBCONTRACTOR MUST CONTACT DIAL BEFORE YOU DIG.

RETAINING WALL GENERAL

GR1. BASE MATERIAL SHALL BE COMPACTED TO MINIMUM 98% STANDARD MAXIMUM DRY DENSITY (SMDD) WITHIN 2% OF STANDARD OPTIMUM MOISTURE CONTENT (SMOC) DETERMINED BY THE STANDARD COMPACTION TEST IN ACCORDANCE WITH CURRENT AUSTRALIAN STANDARD 1289.5.1.1. MINIMUM ALLOWABLE BEARING PRESSURE OF 150 kPa. GEOTECHNICAL ENGINEER EMPLOYED BY CONTRACTOR TO INSPECT AND CONFIRM.

GR2. DRAINAGE MATERIAL WITHIN AND IMMEDIATELY BEHIND THE WALL SHALL BE 12-20mm CLEAN AGGREGATE. DRAINAGE MATERIAL TO EXTEND A MINIMUM 300mm BEHIND WALL. COMPACT DRAINAGE MATERIAL.
ALTERNATIVELY, USE NO FINES CONCRETE, AS FOLLOWS:
- CONCRETE STRENGTH N15.
- 210kg/m3 PORTLAND CEMENT
- MAXIMUM AGGREGATE SIZE 20 mm.
- W/C RATIO 0.45 TO 0.55.
- DENSITY 1600 TO 2000 kg/m3.

GR3. INFILL SOIL SHALL BE CLASS 1 CONTROLLED FILL TO AS4678, OR AS SPECIFIED ON THE DRAWINGS. UNSUITABLE SOILS, SUCH AS HEAVY CLAYS OR ORGANIC SOILS WITH HIGH PLASTICITY, SHALL NOT BE USED IN THE REINFORCED SOIL MASS.

GR4. SPREAD BACKFILL IN UNIFORM LIFTS OF 200mm UNCOMPACTED THICKNESS. COMPACT TO MINIMUM 95% OF SMDD.
COMPACTION WITHIN 1.0 m BEHIND THE WALL SHALL BE ACCOMPLISHED BY USING A HAND-OPERATED PLATE COMPACTOR AND SHALL BEGIN BY RUNNING THE PLATE DIRECTLY ON THE BLOCK, THEN COMPACTING IN PARALLEL PATHS, PROGRESSIVELY AWAY FROM THE WALL FACE.

GR5. WHERE ROADWAYS OR BUILDING STRUCTURES ARE LOCATED ABOVE THE REINFORCED ZONE, COMPACT TO 98% SMDD WITHIN 2% OF SOMC DETERMINED BY THE STANDARD COMPACTION TEST IN ACCORDANCE WITH CURRENT AUSTRALIAN STANDARD 1289.5.1.1. COMPACTION TESTING SHALL BE TAKEN AT 1.2m BEHIND THE WALL.

PAVEMENT

F1. SUBGRADE SHALL BE PREPARED AS OUTLINED IN EARTHWORKS NOTES.

F2. PAVEMENT MATERIAL SHALL CONSIST OF APPROVED OR RIPPED SANDSTONE, NATURAL GRAVEL OR FINE CRUSH ROCK AS PER COUNCIL SPECIFICATION.

F3. PAVEMENT MATERIALS SHALL BE SPREAD IN LAYERS NOT EXCEEDING 150mm AND NOT LESS THEN 75mm COMPACTED THICKNESS. PAVEMENT MATERIALS SHALL BE SIZED AND OF A STANDARD OUTLINED IN AS1141.

F4. CRUSHED OR RIPPED SANDSTONE SHALL BE MINUS 75mm NOMINAL SIZE DERIVED FROM SOUND, CLEAN SANDSTONE FREE FROM OVERBURDEN, CLAY SEAMS, SHALE AND OTHER DELETERIOUS MATERIAL.

F5. PAVEMENT MATERIALS SHALL BE COMPACTED BY SUITABLE MEANS TO SATISFY THE FOLLOWING MINIMUM SPECIFICATIONS (AS PER AS1289.52)

DESCRIPTION	MODIFIED DENSITY RATIO
SUB-BASE	98% MDD
BASE COURSE	98% MDD
ASPHALTIC CONCRETE	97% MDD

AND SUBJECT TO COUNCIL'S CONSTRUCTION SPECIFICATION.

F6. TESTING FOR EACH LAYER SHALL BE UNDERTAKEN BY A N.A.T.A. REGISTERED LABORATORY IN ACCORDANCE WITH AS1289, AT NOT MORE THAN 50m INTERVALS AND A MINIMUM OF TWO PER LAYER OR AS PER LOCAL PLANNING SCHEME. FURTHER FREQUENCY OF TESTING SHALL BE NO LESS THAN THAT REQUIRED BY AS3978-1996.

F7. A MINIMUM GRAVEL LAYER 150-200mm ABOVE THE GEOGRID SHALL BE ADHERED TO AS PER SUPPLIER (GLOBAL SYNTHETICS) REQUIREMENTS AND SPECIFICATIONS.

AS CONSTRUCTED

PRIVATE WORKS (SITE CIVIL WORKS)

THE CONTRACTOR SHALL PROVIDE THE FOLLOWING AS-CONSTRUCTED DOCUMENTATION TO VAN DER MEER PRIOR TO PRACTICAL COMPLETION OF CIVIL WORKS:
PW.01 A COMPLETE SURVEY OF COMPLETED SURFACE INCLUDING SURFACE LEVELS OF ALL STRUCTURES INCLUDING BUT NOT LIMITED TO:
- STORMWATER MANHOLES AND PITS.
- BIO-RETENTION AREAS, INCLUDING BASE AND TOP OF FILTER TRENCH MATERIAL AND AREA INSTALLED, IF APPLICABLE.
- WATER SERVICE CONNECTION INCLUDING FITTINGS AND METERS.
- SEWERAGE PROPERTY CONNECTIONS INCLUDING MANHOLES.
- SEWER PUMP STATIONS, IF APPLICABLE.

PW.02 COPIES OF NATA TEST CERTIFICATE RESULTS IN RESPECT OF:
- THE COMPACTION OF FILL INCLUDING COMPACTION OF TRENCH BACKFILL.
- EARTHWORKS CERTIFICATION FROM GEOTECHNICAL RPEQ INCLUDING LEVEL 1 CERTIFICATION WHERE REQUIRED.
- THE SUB-GRADE CBR.
- THE SUB-GRADE COMPACTION.
- THE LOWER SUBBASE (CBR 15) MATERIAL QUALITY.
- THE LOWER SUBBASE (CBR 15) COMPACTION.
- THE SUB-BASE COURSE (CBR 45) MATERIAL QUALITY.
- THE SUB-BASE COURSE (CBR 45) COMPACTION.
- THE BASE COURSE (CBR 80) MATERIAL QUALITY.
- THE BASE COURSE (CBR 80) COMPACTION.
- THE PRIME OR PRIMER SEAL SPRAY AND APPLICATION RATES.
- THE AC CORE TESTS.
- ANY CONCRETE TESTING REQUIRED.
- CCTV VIDEO FOR UNDERGROUND STORMWATER INFRASTRUCTURE WORK.

PW.03 DURING CONSTRUCTION, DIGITAL PHOTOGRAPHS MUST:
- BE TAKEN OF COMPLEX CONSTRUCTIONS OR INSTALLATIONS WHICH WILL BE BELOW GROUND LEVEL OR NOT VISIBLE AFTER CONSTRUCTION COMPLETION OR AS REQUESTED ON SITE.
- BE TAKEN PRIOR TO BACKFILLING.
- INCLUDE A CHAINAGE OR EXACT LOCATION REFERENCE IN THE TITLE OF THE DIGITAL PHOTO FILE.
- BE DATE STAMPED.

COUNCIL WORKS

CW.01 TO PROVIDE AS CONSTRUCTED INFORMATION AS PER LOCAL COUNCIL SUBMISSION GUIDELINES REQUIREMENTS.

REINFORCED CONCRETE BLOCKWORK

M1. CONCRETE BLOCKS SHALL BE BORAL 'CORE FILL BLOCKS', DOUBLE-U TYPE, OR SIMILAR APPROVED.

M2. MINIMUM DURABILITY REQUIREMENTS:

LOCATION	SALT ATTACK RESISTANCE GRADE OF MASONRY UNIT	MORTAR CLASS	DURABILITY CLASS OF WALL TIES AND BUILT-IN COMPONENTS
INTERIOR MASONRY	GENERAL PURPOSE	M3	R3
EXTERIOR MASONRY ABOVE DAMP PROOF COURSE	GENERAL PURPOSE	M3	R3
BELOW DAMP PROOF COURSE OR IN CONTACT WITH GROUND	EXPOSURE	M4	R4

M3. MINIMUM STRENGTH REQUIREMENTS:

ELEMENT	STRENGTH OF MASONRY UNIT	MORTAR CLASS #
CONCRETE BLOCKWORK (REINF)	fuc = 15 MPa	M3

UNLESS A HIGHER CLASSIFICATION IS REQUIRED FOR DURABILITY (REFER NOTE M2).
M4. LAY BOTTOM COURSE OF BLOCKS ON FULL MORTAR BED.
ALL PERPENDS SHALL BE FILLED WITH MORTAR, EXCEPT WEEPHOLES.
M5. ALL CORES SHALL BE GROUTED UNLESS NOTED OTHERWISE.
M6. GROUT FOR CORE FILLING SHALL BE IN ACCORDANCE WITH AS3600, WITH THE FOLLOWING PROPERTIES:
- STRENGTH GRADE S20
- MAX. AGGREGATE SIZE 10mm
- SLUMP 230mm ± 25mm
- MIN. CEMENT CONTENT 300kg/m³ M7. PROVIDE VERTICAL CONTROL JOINTS IN MASONRY WALLS AS FOLLOWS :

WALL TYPE	JOINT WIDTH	MAX JOINT SPACING
CONCRETE BLOCKWORK (REINF)	15mm	12m

M7. AT CORNERS, CONTROL JOINTS SHALL BE WITHIN HALF THE SPECIFIED JOINTS SPACING FROM THE CORNER. JOINTS SHALL BE SEALED WITH AN APPROVED FLEXIBLE SEALANT. PROVIDE JOINTS TO MATCH JOINTS IN SUPPORTING SLABS.
M8. PROVIDE CLEANOUT OPENINGS AT THE BASE OF ALL REINFORCED CORES AND REMOVE ALL MORTAR PROTRUSIONS BEFORE GROUTING. ADDITIONAL CLEANOUT OPENINGS SHALL BE PROVIDED ABOVE EACH HORIZONTAL POUR BREAK.
M9. MAXIMUM HEIGHT OF POUR FOR GROUTING SHALL NOT EXCEED 3.6m FOR 190 LOCKWORK, AND 0.8m FOR 140 BLOCKWORK. STOP POUR 50mm BELOW TOP OF BLOCK TO PROVIDE KEY FOR SUBSEQUENT POUR.
M10. GROUT SHALL BE THOROUGHLY COMPACTED IN THE CORES BY RODDING OR MECHANICAL VIBRATION.

CONCRETE

C1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600 AND OTHER RELEVANT AUSTRALIAN STANDARDS.

C2. CONCRETE SHALL BE SUPPLIED BY AN APPROVED MANUFACTURER IN ACCORDANCE WITH AS1379.

C3. CONCRETE SHALL HAVE THE FOLLOWING PARAMETERS:

ELEMENT	SLUMP (mm)	AGGREGATE	f'c (MPa)	OTHER REQ
EXTERNAL VEHICLE SLAB	+ 80	20	N32	(1)

+ DENOTES SLUMP AT PLANT
(1) DENOTES MAXIMUM BASE SHRINKAGE STRAIN 600 x 10^{-6} AT 56 DAYS (TO AS 1012 PART 13)

C4. SIZES OF CONCRETE ELEMENTS DO NOT INCLUDE THICKNESS OF APPLIED FINISHES.

C5. BEAM DEPTHS ARE WRITTEN FIRST AND INCLUDE SLAB THICKNESS, IF ANY.

C6. HOLES, CHASES OR EMBEDMENT ITEMS, INCLUDING PIPES AND CONDUITS SHALL NOT BE PLACED IN CONCRETE MEMBERS WITHOUT PRIOR APPROVAL OF THE ENGINEER.

C7. CONDUITS, PIPES AND LIKE SHALL NOT BE PLACED WITHIN THE CONCRETE COVER, NOR DISPLACE THE REINFORCEMENT LAYERS.

C8. CONSTRUCTION JOINTS (CJ) SHALL BE PROPERLY FORMED AND USED ONLY WHERE SHOWN OR SPECIFICALLY APPROVED BY THE ENGINEER. ALL CONSTRUCTION JOINTS SHALL BE THOROUGHLY SCABBLED.

C9. THE MAXIMUM HEIGHT OF POUR FOR CONCRETE ELEMENTS SHALL BE 3m UNLESS METHOD OF PLACEMENT HAS BEEN APPROVED BY THE ENGINEER. COLUMNS SHALL NOT BE POURED WITH THE SLAB OVER.

C10. CONCRETE SHALL BE THOROUGHLY COMPACTED IN THE FORMS BY MEANS OF MECHANICAL VIBRATION.

C11. WHEN THE SHADE TEMPERATURE EXCEEDS 35°C, THE EXPOSED SURFACE OF CONCRETE SHALL BE SPRAYED WITH A FINE FILM OF APPROVED ALIPHATIC ALCOHOL DURING CONCRETE PLACEMENT AND FINISHING IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ENSURING ADEQUATE SUPPLY OF ALIPHATIC ALCOHOL ON SITE BEFORE COMMENCING CONCRETE WORK.

C12. CURING OF CONCRETE SHALL COMMENCE WITHIN 2 HOURS OF FINISHING OPERATIONS AND SHALL BE MAINTAINED FOR A MINIMUM OF 7 DAYS USING AN APPROVED PROPRIETARY CURING COMPOUND IN ACCORDANCE WITH AS 3799 AND COMPATIBLE WITH THE PROPOSED FINISH OR CONTINUOUS PONDING WITH POTABLE WATER.
THE CONTRACTOR TO SUBMIT PROPOSED CURING PROCEDURE FOR APPROVAL OF THE ENGINEER.

C13. ALL CONCRETE DELIVERED TO SITE SHALL BE SUBJECT TO PROJECT ASSESSMENT IN ACCORDANCE WITH AS 1379.

C14. THE CONTRACTOR SHALL NOMINATE A CONCRETE DELIVERY SUPERVISOR WHO SHALL BE A SUITABLE EXPERIENCED PERSON FOR THE APPROVAL OF THE ENGINEER, TO MONITOR THE DELIVERY AND PLACING OF THE CONCRETE FOR EACH POUR ON THE PROJECT. IN ADDITION, THE MANUFACTURER SHALL SAMPLE AND TEST FOR DRYING SHRINKAGE EACH TYPE OF CONCRETE SUPPLIED, AT LEAST EVERY MONTH DURING THE COURSE OF THE PROJECT OR FOR EVERY 1000 CUBIC METRES PLACED. NATA TEST CERTIFICATES SHALL BE FORWARDED TO THE ENGINEER. THE RESULTS OF THESE TESTS SHALL ALSO BE KEPT ON SITE.

CONCRETE SAMPLES AND TESTS

C15. ARRANGE FOR A NATA REGISTERED TESTING LABORATORY TO TAKE SAMPLES OF AND TEST CONCRETE FOR COMPRESSION, FLEXURAL TENSILE STRENGTH (SLABS ON GROUND ONLY) AND SLUMP.

C16. COMPRESSION TEST SAMPLES SHALL CONSIST OF 3 STANDARD CYLINDERS (4 STANDARD CYLINDERS FOR POST-TENSIONED CONCRETE), TESTED FOR COMPRESSIVE STRENGTH AS FOLLOWS:

C17. ONE (1) CYLINDER AT 3 DAYS FOR POST-TENSIONED CONCRETE ONLY.
ONE (1) CYLINDER AT 7 DAYS.
TWO (2) CYLINDERS AT 28 DAYS.

C18. THE MINIMUM NUMBER OF DAILY SAMPLES SHALL BE AS FOLLOWS:

- IN COLUMNS/WALLS: 1 SAMPLE PER TRUCK

- ALL OTHER CONCRETE OF ANY ONE TYPE AS FOLLOWS:
- 1 TRUCK PER DAY - 1 SAMPLE
- 2 TO 5 TRUCKS PER DAY - 2 SAMPLES
- 6 TO 10 TRUCKS PER DAY - 3 SAMPLES
- 10 TO 20 TRUCKS PER DAY - 4 SAMPLES
- FOR EACH ADDITIONAL 10 TRUCKS PER DAY, 1 SAMPLE.

- SLUMP: 1 SAMPLE PER TRUCK AT TIME OF POURING.

C19. REFER TO TYPICAL STRIPPING AND PROPPING DETAIL.

REVISIONS:

No.	REVISION DESCRIPTION	DRAWN	DATE
0	ISSUED FOR CONSTRUCTION	MP	13/03/25

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CLIENT
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PO BOX 4107 SPRINGFIELD QLD 4300

SCALE

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

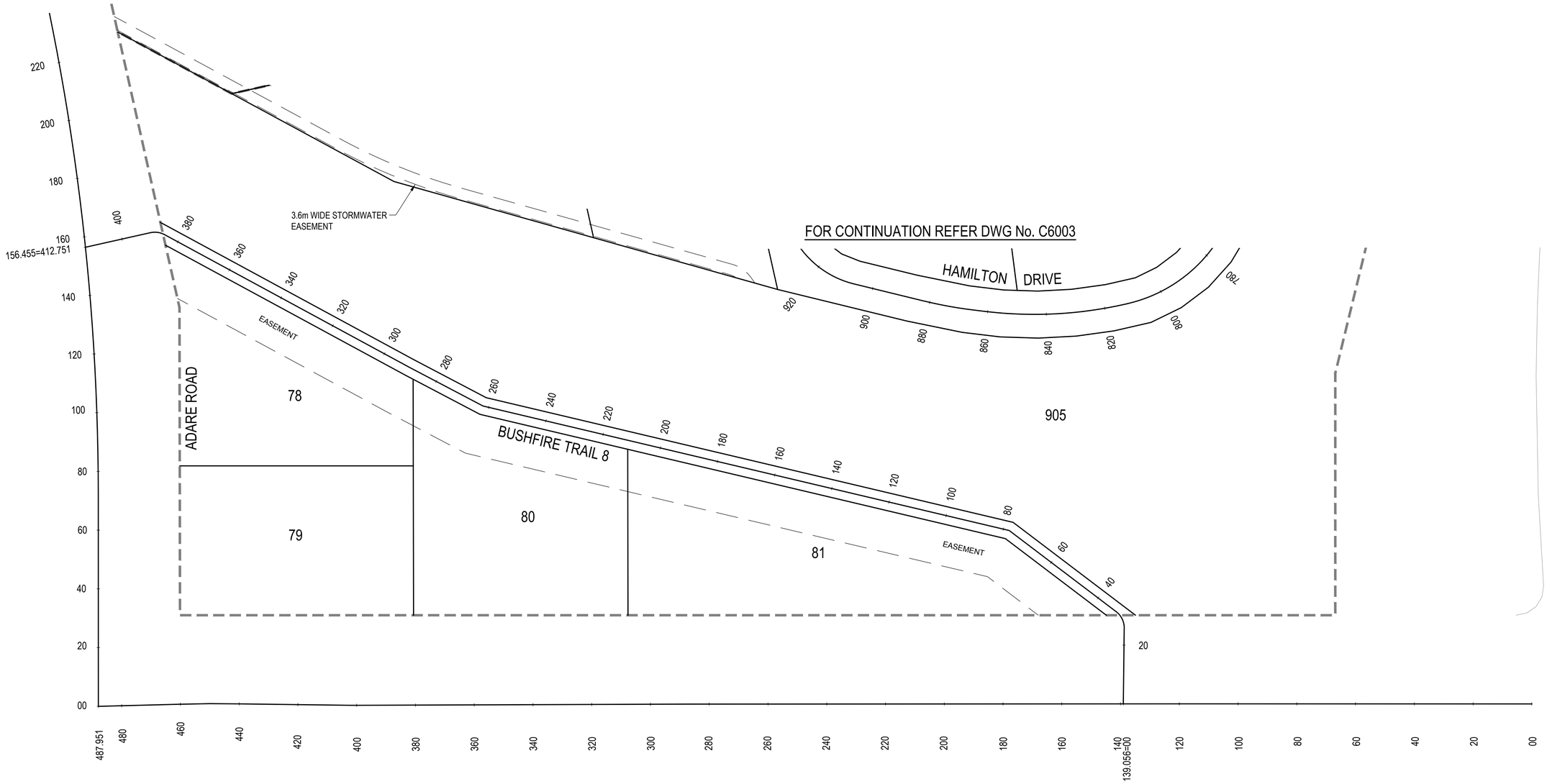
DRAWING TITLE
STANDARD NOTES

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE
CK	MP	CALVIN KIRK RPEQ.19536

DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1

JOB No.	DRAWING No.	REVISION
BR242036	C6001	0



CONTROL LINE SETOUT - REDBANK CREEK ROAD

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	429858.263	6954022.216	278°42'40.73"			
IP 2	116.707	429742.902	6954039.892				
IP 3	287.108	429574.448	6954065.569				
TC	401.547	429461.263	6954082.470	278°29'33.95"			
IP 4	401.660	429461.151	6954082.486		R = 13.750	0.226	0°56'26.53"
CT	401.773	429461.040	6954082.505	279°26'00.48"			
IP 5	439.973	429423.357	6954088.766				
IP 6	450.013	429413.445	6954090.364				
IP 7	460.352	429403.195	6954091.724				
IP 8	487.951	429375.814	6954095.189	277°12'40.92"			

CONTROL LINE SETOUT - BUSHFIRE TRAIL 8

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	429720.809	6954043.259		9°23'50.19"			
TC	25.752	429725.013	6954068.666	98.153	9°23'50.19"			
IP 2	29.020	429725.589	6954072.146	98.184		R = -7.000	6.536	53°29'50.19"
CT	32.288	429723.134	6954074.680	98.216	315°54'00.00"			
IP 3	77.957	429691.352	6954107.476	98.651				
IP 4	262.003	429520.723	6954176.458	100.474				
IP 5	290.233	429498.006	6954193.217	101.136				
TC	385.104	429422.388	6954250.510	103.620	307°09'00.00"			
IP 6	387.614	429420.297	6954252.094	103.707		R = -7.000	5.020	41°05'13.00"
CT	390.124	429417.680	6954251.914	103.797	266°03'47.00"			
IP 7	412.751	429395.107	6954250.361		266°03'47.00"			

REVISIONS:

No.	REVISION DESCRIPTION	DRAWN	DATE
0	ISSUED FOR CONSTRUCTION	MP	13/03/25

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PO BOX 4107 SPRINGFIELD QLD 4300

SCALE
0 7.5 15 22.5 30 37.5m 75m
SCALE 1:750

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

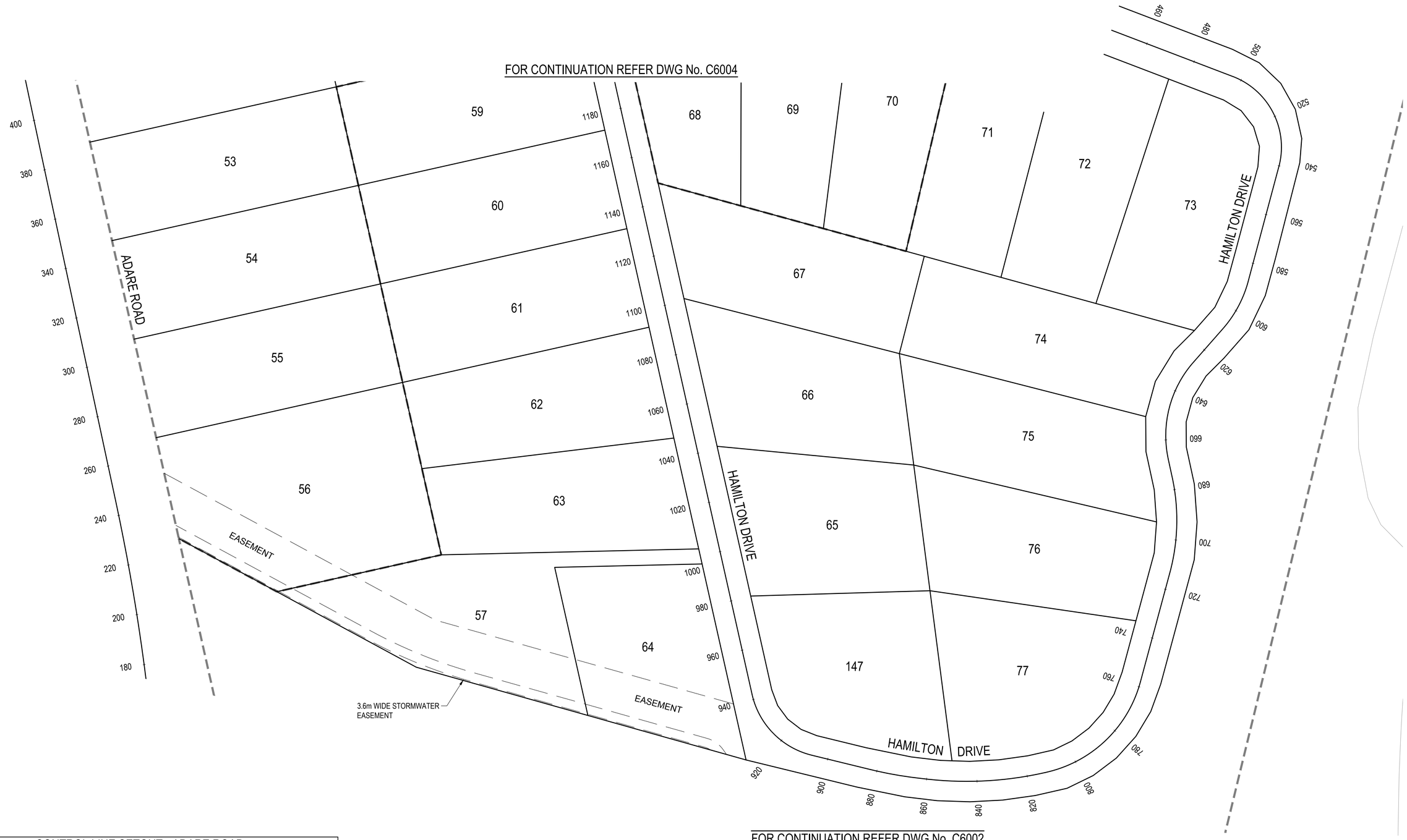
DRAWING TITLE
SITE PLAN
SHEET 1

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE
CK	MP	CALVIN KIRK RPEQ:19536

DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1

JOB No.	DRAWING No.	REVISION
BR242036	C6002	0



CONTROL LINE SETOUT - ADARE ROAD

PT	CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	429375.814	6954095.189	8°40'49.23"			
TC	71.978	429386.678	6954166.343	8°40'49.23"			
IP 2	158.490	429399.783	6954252.182		R = -820.000	173.023	12°05'22.56"
CT	245.001	429394.619	6954338.862	356°35'26.67"			
IP 3	389.634	429386.018	6954483.239				
IP 4	442.599	429382.959	6954536.115				
IP 5	535.973	429377.479	6954629.328				
IP 6	574.778	429375.201	6954668.073		R = -1700.000	77.610	2°36'56.57"
CT	613.583	429371.158	6954706.674	354°01'11.44"			
IP 7	803.138	429351.409	6954895.197	354°01'11.44"			

REVISIONS:

No.	REVISION DESCRIPTION	DRAWN	DATE
0	ISSUED FOR CONSTRUCTION	MP	13/03/25

PARKLAKE ADARE

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SCALE
0 7.5 15 22.5 30 37.5m 75m
SCALE 1:750

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
SITE PLAN
SHEET 2

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE
CK	MP	CALVIN KIRK RPEQ:19536

DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1

JOB No.	DRAWING No.	REVISION
BR242036	C6003	0

CONTROL LINE SETOUT - DARTNELL PLACE

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	429703.489	6954517.985	116.583	18°06'50.62"			
TC	11.269	429706.992	6954528.696	116.617	18°06'50.62"			
IP 2	18.046	429709.112	6954535.176	116.684		R = -50.000	13.553	15°31'50.62"
CT	24.823	429709.420	6954541.988	116.749	2°35'00.00"			
TC	31.022	429709.699	6954548.181	116.794	2°35'00.00"			
IP 3	51.957	429710.652	6954569.301	116.838		R = -122.500	41.870	19°35'00.00"
CT	72.892	429704.471	6954589.518	116.745	343°00'00.00"			
TC	84.854	429700.973	6954600.958	116.685	343°00'00.00"			
IP 4	118.424	429691.099	6954633.255	116.517		R = -250.000	67.139	15°23'13.28"
IP 5	151.993	429673.010	6954661.774	116.349				
IP 6	224.025	429634.046	6954723.200	115.989		R = -421.500	144.064	19°34'59.15"
CC	296.057	429576.749	6954768.015	115.805	308°01'47.57"			
IP 7	303.283	429570.944	6954772.554	115.849		R = -30.000	14.451	27°35'59.21"
CT	310.508	429563.698	6954773.888	115.892	280°25'48.36"			
IP 8	324.066	429550.364	6954776.343	115.973	280°25'48.36"			

CONTROL LINE SETOUT - HAMILTON DRIVE

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	429383.235	6954531.338		86°03'47.00"			
TC	147.568	429530.455	6954541.470	119.432	86°03'47.00"			
IP 2	186.618	429569.537	6954544.159	119.863		R = 400.000	78.100	11°11'13.00"
CT	225.667	429608.398	6954539.216	119.535	97°15'00.00"			
TC	225.919	429608.647	6954539.184	119.530	97°15'00.00"			
IP 3	254.019	429636.557	6954535.633	118.820		R = 460.000	56.200	7°00'00.00"
CT	282.119	429663.826	6954528.708	117.912	104°15'00.00"			
TC	304.533	429685.551	6954523.190	117.187	104°15'00.00"			
IP 4	329.229	429709.551	6954517.095	116.379		R = 277.000	49.393	10°13'00.00"
CT	353.926	429732.090	6954506.839	115.226	114°28'00.00"			
TC	372.737	429749.212	6954499.049	114.005	114°28'00.00"			
IP 5	386.176	429761.452	6954493.479	112.950		R = 300.000	26.878	5°08'00.22"
CT	399.615	429773.145	6954486.836	111.745	119°36'00.22"			
TC	496.366	429857.269	6954439.047	102.768	119°36'00.22"			
IP 6	518.370	429880.778	6954425.692	101.691		R = 30.000	44.010	84°03'07.77"
CT	540.375	429869.931	6954400.927	101.081	203°39'07.99"			
TC	587.329	429851.094	6954357.917	101.000	203°39'07.99"			
IP 7	598.149	429846.674	6954347.827	101.046		R = 47.000	21.641	26°22'52.01"
CT	608.970	429838.232	6954340.751	101.163	230°02'00.00"			
TC	626.529	429824.774	6954329.472	101.412	230°02'00.00"			
IP 8	647.084	429807.765	6954315.216	101.480		R = -44.000	41.111	53°32'00.00"
CT	667.639	429809.120	6954293.064	101.239	176°30'00.00"			
TC	675.113	429809.576	6954285.604	101.074	176°30'00.00"			
IP 9	694.161	429810.761	6954266.224	100.623		R = 80.000	38.095	27°17'00.00"
CT	713.208	429802.931	6954248.458	100.334	203°47'00.00"			
TC	758.056	429784.845	6954207.418	100.044	203°47'00.00"			
IP 10	785.137	429772.713	6954179.891	99.963		R = 50.000	54.163	62°03'57.26"
CT	812.219	429742.710	6954177.713	100.090	265°50'57.26"			
TC	812.716	429742.214	6954177.677	100.093	265°50'57.26"			
IP 11	836.724	429718.032	6954175.922	100.244		R = 140.000	48.015	19°39'01.14"
CT	860.731	429694.668	6954182.401	100.396	285°29'58.40"			
TC	864.277	429691.251	6954183.349	100.418	285°29'58.40"			
IP 12	873.353	429682.494	6954185.777	100.475		R = 150.000	18.153	6°56'01.60"
CT	882.429	429674.095	6954189.245	100.532	292°26'00.00"			
TC	906.535	429651.813	6954198.444	100.684	292°26'00.00"			
IP 13	924.304	429633.463	6954206.020	100.948		R = 32.000	35.538	63°37'47.23"
CT	942.073	429632.100	6954225.825	101.644	356°03'47.23"			
TC	1187.912	429615.222	6954471.084	116.889	356°03'47.23"			
IP 14	1193.997	429614.804	6954477.156	117.154		R = 300.000	12.170	2°19'27.77"
CT	1200.082	429614.632	6954483.239	117.417	358°23'15.00"			
TC	1206.151	429614.462	6954489.306	117.671	358°23'15.00"			
IP 15	1219.518	429614.085	6954502.704	118.185		R = 150.000	26.734	10°12'41.87"
CT	1232.885	429616.088	6954515.955	118.639	8°35'56.87"			
IP 16	1254.867	429619.375	6954537.690		8°35'56.87"			

CONTROL LINE SETOUT - BUSHFIRE TRAIL 7

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	429550.364	6954776.343		340°26'12.98"			
IP 2	12.527	429546.170	6954788.146					
IP 3	15.412	429545.145	6954791.031	116.001		R = -7.000	5.771	47°14'24.87"
IP 4	18.298	429542.331	6954792.236	115.932				
IP 5	31.016	429530.642	6954797.246	115.582				
IP 6	65.117	429497.546	6954805.465	116.017				
IP 7	86.012	429476.768	6954803.253	116.819				
IP 8	147.503	429428.819	6954764.755	119.624				
IP 9	190.679	429387.347	6954752.747	120.375				
IP 10	211.580	429366.559	6954750.570		264°01'11.44"			

FOR CONTINUATION REFER DWG No. C6003

REVISIONS:			
0	ISSUED FOR CONSTRUCTION	MP	13/03/25
No.	REVISION DESCRIPTION	DRAWN	DATE

PARKLAKE ADARE

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PO BOX 4107 SPRINGFIELD QLD 4300

SCALE
0 7.5 15 22.5 30 37.5m 75m
SCALE 1:750

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
SITE PLAN
SHEET 3

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE
CK	MP	CALVIN KIRK RPEQ.19536

DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1

JOB No.	DRAWING No.	REVISION
BR242036	C6004	0

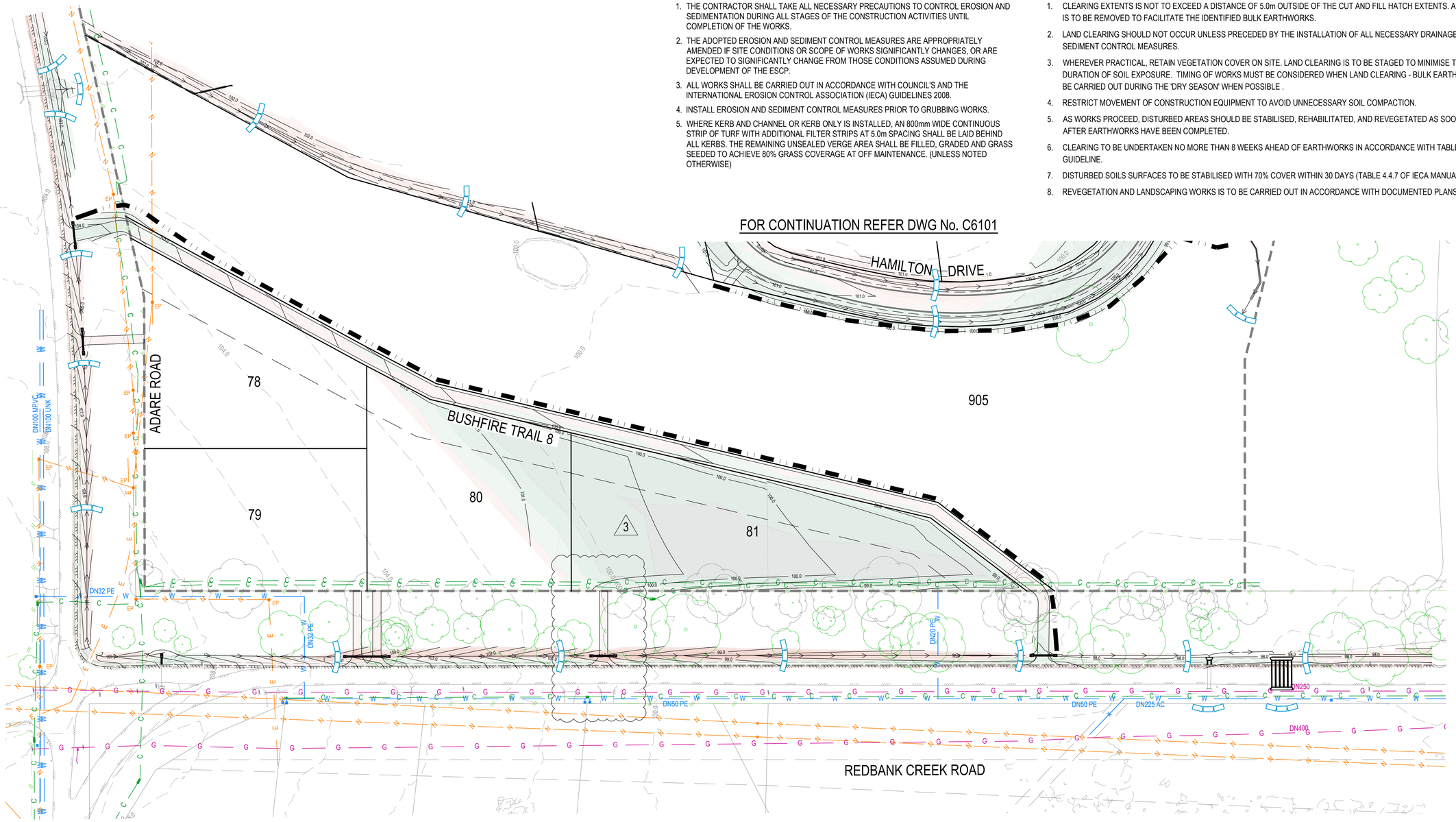
GENERAL NOTES:

1. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO CONTROL EROSION AND SEDIMENTATION DURING ALL STAGES OF THE CONSTRUCTION ACTIVITIES UNTIL COMPLETION OF THE WORKS.
2. THE ADOPTED EROSION AND SEDIMENT CONTROL MEASURES ARE APPROPRIATELY AMENDED IF SITE CONDITIONS OR SCOPE OF WORKS SIGNIFICANTLY CHANGES, OR ARE EXPECTED TO SIGNIFICANTLY CHANGE FROM THOSE CONDITIONS ASSUMED DURING DEVELOPMENT OF THE ESCP.
3. ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH COUNCIL'S AND THE INTERNATIONAL EROSION CONTROL ASSOCIATION (IECA) GUIDELINES 2008.
4. INSTALL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO GRUBBING WORKS.
5. WHERE KERB AND CHANNEL OR KERB ONLY IS INSTALLED, AN 800mm WIDE CONTINUOUS STRIP OF TURF WITH ADDITIONAL FILTER STRIPS AT 5.0m SPACING SHALL BE LAID BEHIND ALL KERBS. THE REMAINING UNSEALED VERGE AREA SHALL BE FILLED, GRADED AND GRASS SEEDED TO ACHIEVE 80% GRASS COVERAGE AT OFF MAINTENANCE. (UNLESS NOTED OTHERWISE)

LAND CLEARING AND VEGETATION MANAGEMENT:

1. CLEARING EXTENTS IS NOT TO EXCEED A DISTANCE OF 5.0m OUTSIDE OF THE CUT AND FILL HATCH EXTENTS. ALL VEGETATION IS TO BE REMOVED TO FACILITATE THE IDENTIFIED BULK EARTHWORKS.
2. LAND CLEARING SHOULD NOT OCCUR UNLESS PRECEDED BY THE INSTALLATION OF ALL NECESSARY DRAINAGE AND EROSION SEDIMENT CONTROL MEASURES.
3. WHEREVER PRACTICAL, RETAIN VEGETATION COVER ON SITE. LAND CLEARING IS TO BE STAGED TO MINIMISE THE EXTENT AND DURATION OF SOIL EXPOSURE. TIMING OF WORKS MUST BE CONSIDERED WHEN LAND CLEARING - BULK EARTHWORKS SHOULD BE CARRIED OUT DURING THE 'DRY SEASON' WHEN POSSIBLE .
4. RESTRICT MOVEMENT OF CONSTRUCTION EQUIPMENT TO AVOID UNNECESSARY SOIL COMPACTION.
5. AS WORKS PROCEED, DISTURBED AREAS SHOULD BE STABILISED, REHABILITATED, AND REVEGETATED AS SOON AS POSSIBLE AFTER EARTHWORKS HAVE BEEN COMPLETED.
6. CLEARING TO BE UNDERTAKEN NO MORE THAN 8 WEEKS AHEAD OF EARTHWORKS IN ACCORDANCE WITH TABLE 4.4.7 OF IECA GUIDELINE.
7. DISTURBED SOILS SURFACES TO BE STABILISED WITH 70% COVER WITHIN 30 DAYS (TABLE 4.4.7 OF IECA MANUAL).
8. REVEGETATION AND LANDSCAPING WORKS IS TO BE CARRIED OUT IN ACCORDANCE WITH DOCUMENTED PLANS.

FOR CONTINUATION REFER DWG No. C6101



LEGEND

EXISTING	PROPOSED
FENCE	OPEN DRAIN
OPEN DRAIN	MOUNTABLE KERB TYPE M4
KERB AND CHANNEL	MOUNTABLE KERB TYPE M6
KERB ONLY	CONTOUR (0.5m)
CONTOUR (1.0m)	ROAD EDGE BITUMEN
ROAD EDGE BITUMEN	ROAD SHOULDER
TREE TO REMAIN	DRAINAGE
TREE TO BE REMOVED	

SERVICES (PUP) LEGEND

	EXISTING	PROPOSED
COMMUNICATIONS	C(*)	E
DRAINAGE	D(*)	
ELECTRICITY	E(*)	
O/H ELECTRICITY & POLE		
GAS	G(*)	
SEWERAGE	S(*)	S
WATER MAIN	W(*)	W

CUT	FILL	
		0.00m - 0.25m
		0.25m - 0.50m
		0.50m - 1.000m
		1.00m - 2.00m
		> 2.00m

LEGEND

- SEDIMENT FENCING
- CONSTRUCTION ENTRY / EXIT
- SANDBAG CHECK DAM
- STAGE BOUNDARY

REVISIONS:			
3	ISSUED FOR CONSTRUCTION - AFTER MINOR APPROVAL	MP	23/10/25
2	LOT 81 DRIVEWAY MOVED	MP	11/09/25
1	ISSUED FOR MINOR CHANGE	MP	20/06/25
0	ISSUED FOR CONSTRUCTION	MP	13/03/25
No.	REVISION DESCRIPTION	DRAWN	DATE

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0 7.5 15 22.5 30 37.5m 75m
SCALE 1:750

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
EROSION AND SEDIMENT CONTROL PLAN - SHEET 1

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE	
CK	MP		
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1
JOB No.	DRAWING No.	REVISION	
BR242036	C6100	3	

LEGEND

EXISTING	PROPOSED
FENCE	OPEN DRAIN
OPEN DRAIN	MOUNTABLE KERB TYPE M4
KERB AND CHANNEL	MOUNTABLE KERB TYPE M6
KERB ONLY	CONTOUR (0.5m)
CONTOUR (1.0m)	ROAD EDGE BITUMEN
ROAD EDGE BITUMEN	ROAD SHOULDER
TREE TO REMAIN	DRAINAGE
TREE TO BE REMOVED	

SERVICES (PUP) LEGEND

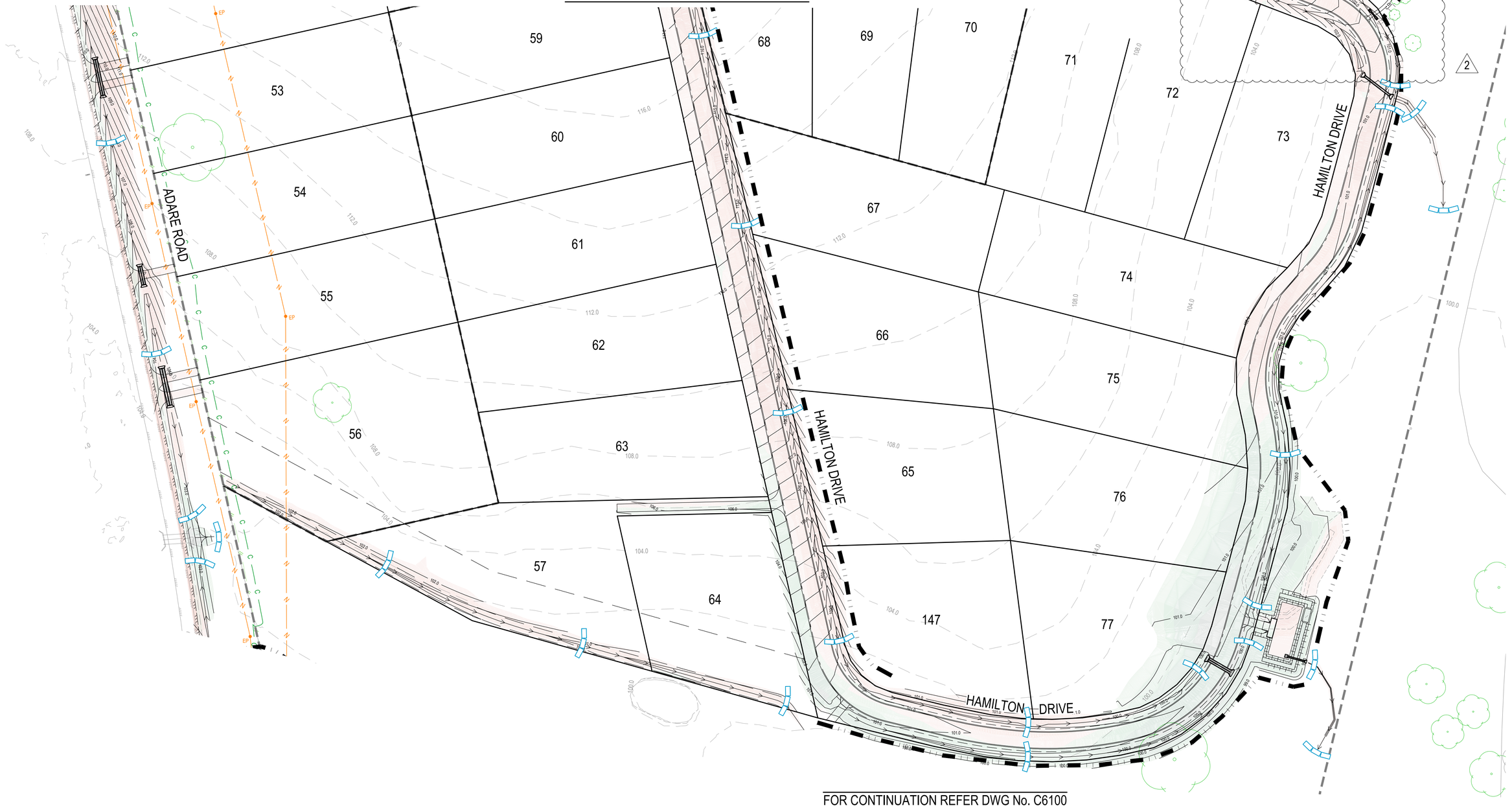
	EXISTING	PROPOSED
COMMUNICATIONS	C(*)	
DRAINAGE	D(*)	
ELECTRICITY	E(*)	E
O/H ELECTRICITY & POLE		
GAS	G(*)	
SEWERAGE	S(*)	S
WATER MAIN	W(*)	W

CUT	FILL	
		0.00m - 0.25m
		0.25m - 0.50m
		0.50m - 1.000m
		1.00m - 2.00m
		> 2.00m

LEGEND

- SEDIMENT FENCING
- CONSTRUCTION ENTRY / EXIT
- SANDBAG CHECK DAM
- STAGE BOUNDARY

FOR CONTINUATION REFER DWG No. C6102



FOR CONTINUATION REFER DWG No. C6100

REVISIONS:			
2	STORMWATER UPDATED	MP	19/01/26
1	PARK WORKS ADDED	MP	24/10/25
0	ISSUED FOR CONSTRUCTION	MP	13/03/25
No.	REVISION DESCRIPTION	DRAWN	DATE

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SCALE
0 7.5 15 22.5 30 37.5m 75m
SCALE 1:750

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
EROSION AND SEDIMENT CONTROL PLAN - SHEET 2

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE	
CK	MP		
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1
JOB No.		DRAWING No.	REVISION
BR242036		C6101	2

FOR CONTINUATION REFER DWG No. C6101

LEGEND

EXISTING	PROPOSED
FENCE	OPEN DRAIN
OPEN DRAIN	MOUNTABLE KERB TYPE M4
KERB AND CHANNEL	MOUNTABLE KERB TYPE M6
KERB ONLY	CONTOUR (0.5m)
CONTOUR (1.0m)	ROAD EDGE BITUMEN
ROAD EDGE BITUMEN	ROAD SHOULDER
TREE TO REMAIN	DRAINAGE
TREE TO BE REMOVED	

SERVICES (PUP) LEGEND

	EXISTING	PROPOSED
COMMUNICATIONS	C(*)	
DRAINAGE	D(*)	E
ELECTRICITY	E(*)	
O/H ELECTRICITY & POLE		
GAS	G(*)	
SEWERAGE	S(*)	S
WATER MAIN	W(*)	W

CUT FILL

0.00m - 0.25m	
0.25m - 0.50m	
0.50m - 1.000m	
1.00m - 2.00m	
> 2.00m	

LEGEND

- SEDIMENT FENCING
- CONSTRUCTION ENTRY / EXIT
- SANDBAG CHECK DAM
- STAGE BOUNDARY

REVISIONS:

No.	REVISION DESCRIPTION	DRAWN	DATE
2	STORMWATER UPDATED	MP	19/01/26
1	PARK WORKS ADDED	MP	24/10/25
0	ISSUED FOR CONSTRUCTION	MP	13/03/25

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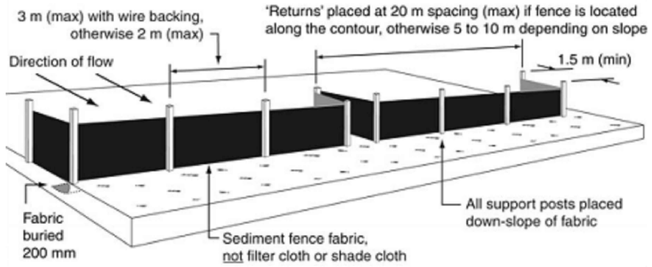
SCALE
0 7.5 15 22.5 30 37.5m 75m
SCALE 1:750

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

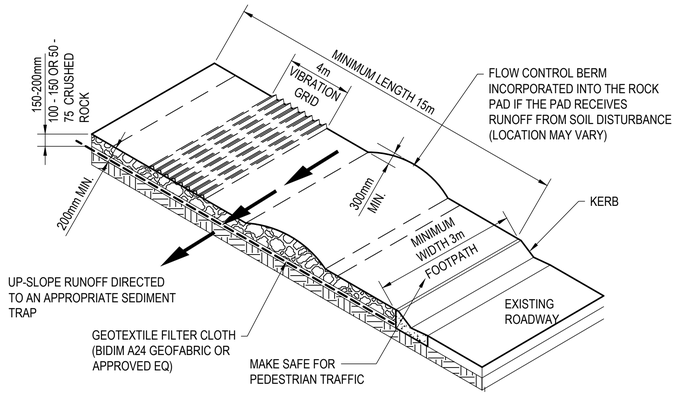
DRAWING TITLE
EROSION AND SEDIMENT CONTROL PLAN - SHEET 3

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

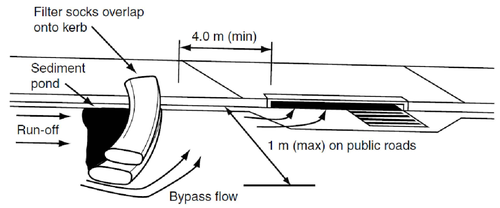
PROJECT LEADER	DESIGNER	SIGNATURE	
CK	MP		
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1
JOB No.		DRAWING No.	REVISION
BR242036		C6102	2



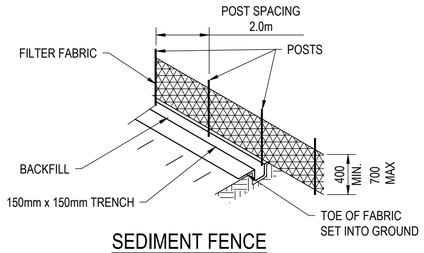
TYPICAL INSTALLATION OF A SEDIMENT FENCE
NOT TO SCALE



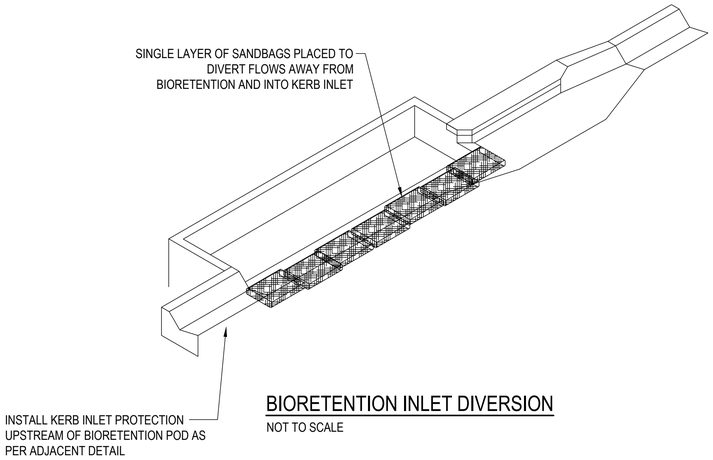
CONSTRUCTION ENTRY/EXIT POINT DETAIL
NOT TO SCALE



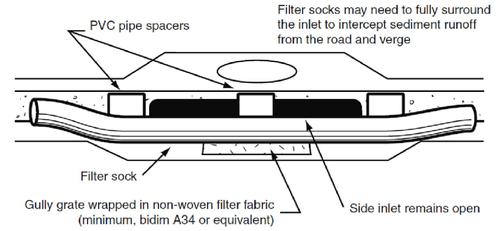
ON-GRADE KERB INLET SEDIMENT TRAP
NOT TO SCALE



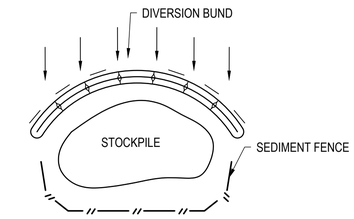
SEDIMENT FENCE
NOT TO SCALE



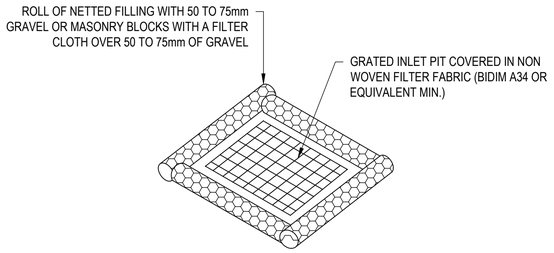
BIORETENTION INLET DIVERSION
NOT TO SCALE



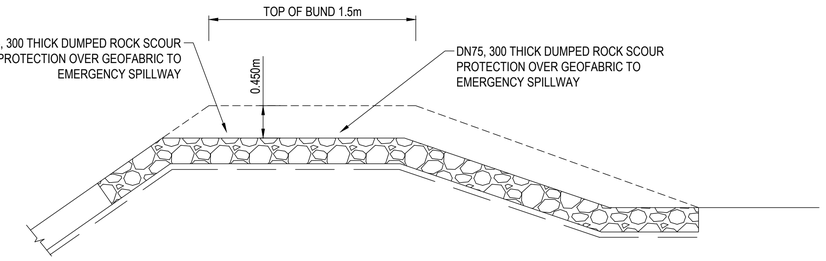
SAG INLET SEDIMENT TRAP
NOT TO SCALE



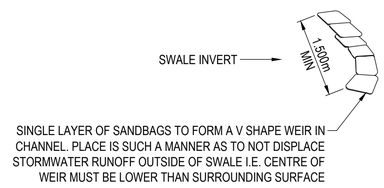
STOCKPILE SEDIMENT CONTROL
NOT TO SCALE



FIELD INLET SEDIMENT TRAP
NOT TO SCALE



SEDIMENT BASIN EMERGENCY SPILLWAY DETAIL
NOT TO SCALE



TYPICAL SAND BAG CHECK DAM
NOT TO SCALE

REVISIONS:

No.	REVISION DESCRIPTION	DRAWN	DATE
0	ISSUED FOR CONSTRUCTION	MP	13/03/25

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SCALE

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
EROSION AND SEDIMENT CONTROL DETAILS

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE	
CK	MP	CALVIN KIRK RPEQ:19536	
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1
JOB No.		DRAWING No.	REVISION
BR242036		C6190	0

SEDIMENT FENCE

MATERIALS

1. FABRIC: POLYPROPYLENE, POLYAMIDE, NYLON, POLYESTER OR POLYETHYLENE WOVEN OR NON-WOVEN FABRIC, AT LEAST 700mm IN WIDTH AND A MINIMUM UNIT WEIGHT OF 140GSM.
2. SUPPORT POSTS/STAKES AND STEEL STAR PICKETS SUITABLE FOR ATTACHING FABRIC.

INSTALLATION

1. WHERE POSSIBLE INSTALL SEDIMENT FENCE AT LEAST 2m FROM THE TOE OF ANY FILLING OPERATIONS THAT MAY RESULT IN SHIFTING SOIL/FILL DAMAGING THE FENCE.
2. ENSURE THE EXTREME ENDS OF THE FENCE ARE TURNED UP THE SLOPE AT LEAST 1.5m OR AS NECESSARY TO MINIMISE WATER BYPASSING AROUND THE FENCE.
3. ENSURE THE SEDIMENT FENCE IS INSTALLED IN A MANNER THAT AVOIDS THE CONCENTRATION OF FLOW ALONG THE FENCE AND THE UNDESIRABLE DISCHARGE OF WATER AROUND THE ENDS OF THE FENCE.
4. IF THE SEDIMENT FENCE IS TO BE INSTALLED ALONG THE EDGE OF THE EXISTING TREES, ENSURE CARE IS TAKEN TO PROTECT THE TREES AND THEIR ROOT SYSTEMS DURING INSTALLATION OF THE FENCE.
5. UNLESS DIRECTED BY THE SITE SUPERVISOR OR THE APPROVED PLANS, EXCAVATE A 200mm WIDE BY 200mm DEEP TRENCH ALONG THE PROPOSED FENCE LINE, PLACING THE EXCAVATED MATERIAL ON THE UP-SLOPE SIDE OF THE TRENCH.
6. ALONG THE LOWER SIDE OF THE TRENCH, APPROPRIATELY SECURE THE STAKES INTO THE GROUND SPACED NO GREATER THAN 3m IF SUPPORTED BY A TOP SUPPORT WIRE OR WEIR MESH BACKING, OTHERWISE NO GREATER THAN 2m.
7. WHEREVER POSSIBLE, CONSTRUCT THE SEDIMENT FENCE FROM A CONTINUOUS ROLL OF FABRIC. TO JOIN FABRIC ATTACH EACH END OF TWO OVERLAPPING STAKES WITH THE FABRIC FOLDING AROUND THE ASSOCIATED STAKE ONE TURN AND WITH TWO STAKES TIED TOGETHER WITH THE WIRE METHOD OR OVERLAP THE FABRIC TO THE NEXT ADJACENT SUPPORT POST.
8. SECURELY ATTACH THE FABRIC TO THE SUPPORT POSTS USING 25 X 12.5mm STAPLES, OR TIE WIRE AT MAXIMUM 150mm SPACING.
9. SECURELY ATTACH THE FABRIC TO THE SUPPORT WIRE/MESH (IF ANY) AT A MAXIMUM SPACING OF 1m.
10. ENSURE THE COMPLETED SEDIMENT FENCE IS AT LEAST 450mm, BUT NOT MORE THAN 700mm HIGH. IF A SPILL THROUGH WEIR IS INSTALLED, ENSURE THE CREST OF THE WEIR IS AT LEAST 300mm ABOVE GROUND LEVEL.
11. BACKFILL THE TRENCH AND TAMP THE FILL TO FIRMLY ANCHOR THE BOTTOM OF THE FABRIC AND MESH TO PREVENT WATER FROM FLOWING UNDER THE FENCE.
12. IF IT IS NOT POSSIBLE TO ANCHOR THE FABRIC IN AN EXCAVATED TRENCH, THEN USE A CONTINUOUS LAYER OF SAND OR AGGREGATE TO HOLD THE FABRIC FIRMLY ON THE GROUND.

MAINTENANCE

1. INSPECT THE SEDIMENT FENCE AT LEAST WEEKLY AND AFTER ANY SIGNIFICANT RAIN. MAKE NECESSARY REPAIRS IMMEDIATELY.
2. REPAIR ANY TORN SECTIONS WITH A CONTINUOUS PIECE OF FABRIC FROM POST TO POST.
3. WHEN MAKING REPAIRS, ALWAYS RESTORE THE SYSTEM TO ITS ORIGINAL CONFIGURATION UNLESS AN AMENDED LAYOUT IS REQUIRED OR SPECIFIED.
4. IF THE FENCE IS SAGGING BETWEEN STAKES, INSTALL ADDITIONAL SUPPORT POSTS.
5. REMOVE ACCUMULATED SEDIMENT IF THE SEDIMENT DEPOSIT EXCEEDS A DEPTH OF 1/3 THE HEIGHT OF THE FENCE.
6. DISPOSE OF SEDIMENT IN A SUITABLE MANNER THAT WILL NOT CAUSE AN EROSION OR POLLUTION HAZARD.

SEDIMENT BASINS

GENERAL

1. SEDIMENT BASIN TO BE LOCATED ABOVE THE 5YR FLOOD LINE. INSTALL SEDIMENT BASINS FOR ALL CATCHMENTS ACROSS THE PROJECT AREA.
2. MATERIALS USED IN THE CONSTRUCTION OF SEDIMENT BASINS SHOULD NOT HAVE AN EMERSON NUMBER OF 3 OR ABOVE (I.E. DISPERSIVE SOILS SUCH AS THE SUBSOILS THAT CAN BE ENCOUNTERED AT THE SITE CANNOT BE USED TO CONSTRUCT SEDIMENT BASINS).
3. A " FULL OF SEDIMENT" MARKER MUST BE PLACED IN THE SEDIMENT BASIN TO SHOW THE DESIGN DEPTH OF THE SOIL/STORAGE ZONE VOLUME AND TO INDICATE WHEN REMOVAL OF THE SEDIMENT IS TO BE CARRIED OUT.
4. CONSTRUCTED SEDIMENT BASINS TO BE FULLY OPERATIONAL THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL THE BASINS CATCHMENT AREA ACHIEVES 70% GROUND COVER ON ALL SOIL SURFACES.
5. FLOCCULATION REQUIREMENTS TO BE IN ACCORDANCE WITH TABLE B17 OF THE IECA GUIDELINES. IN GENERAL 32kg OF GYPSUM TO BE ADDED TO 100m³ OF STORED WATER.

MAINTENANCE

1. INSPECT THE SEDIMENT BASIN DURING THE FOLLOWING PERIODS AS STATED WITHIN PAGE B.52 OF THE IECA GUIDELINES:
   - 1.1. DURING CONSTRUCTION TO DETERMINE WHETHER MACHINERY, FALLING TREES OR CONSTRUCTION ACTIVITY HAS DAMAGED ANY COMPONENT OF THE SEDIMENT BASIN. IF DAMAGE HAS OCCURRED, REPAIR IT.
   - 1.2. AFTER EACH RUNOFF EVENT. INSPECT THE EROSION DAMAGE AT FLOW ENTRY AND EXIT POINTS. IF DAMAGE HAS OCCURRED, MAKE THE NECESSARY REPAIRS.
   - 1.3. AT LEAST WEEKLY DURING THE NOMINATED WET SEASON (IF ANY) OTHERWISE AT LEAST FORTNIGHTLY.
   - 1.4. PRIOR TO, AND IMMEDIATELY AFTER, PERIODS OF "STOP WORK" OR SITE "SHUTDOWN".
2. CLEAN OUT ACCUMULATED SEDIMENT WHEN IT REACHES THE MARKER BOARD/POST, AND RESTORE THE ORIGINAL STORAGE VOLUME. PLACE SEDIMENT IN A DISPOSAL AREA OR, IF APPROPRIATE, MIX WITH DRY SOIL ON THE SITE.
3. DO NOT DISPOSE OF SEDIMENT IN A MANNER THAT WILL CREATE AN EROSION OR POLLUTION HAZARD.
4. CHECK ALL VISIBLE PIPE CONNECTIONS FOR LEAKS, AND REPAIR AS NECESSARY.
5. CHECK FILL MATERIAL IN THE DAM FOR EXCESSIVE SETTLEMENT, SLUMPING OF THE SLOPES OR PIPING BETWEEN THE CONDUIT AND THE EMBANKMENT; MAKE ALL NECESSARY REPAIRS.
6. REMOVE ALL TRASH AND OTHER DEBRIS FROM THE BASIN AND RISER.
7. SUBMERGED INFLOW PIPES MUST BE INSPECTED AND DE-SILTED (AS REQUIRED) AFTER EACH INFLOW EVENT.

REMOVAL OR CONVERSION OF SEDIMENT BASIN

1. WHEN GRADING AND CONSTRUCTION IN THE DRAINAGE AREA ABOVE A TEMPORARY SEDIMENT BASIN IS COMPLETED AND THE DISTURBED AREAS ARE ADEQUATELY STABILISED, THE BASIN MUST BE REMOVED OR OTHERWISE INCORPORATED INTO THE PERMANENT STORMWATER DRAINAGE SYSTEM. IN EITHER CASE, SEDIMENT SHOULD BE CLEARED AND PROPERLY DISPOSED OF AND THE BASIN AREA STABILISED.
2. BEFORE STARTING ANY MAINTENANCE WORK ON THE BASIN OR SPILLWAY, INSTALL ALL NECESSARY SHORT-TERM SEDIMENT CONTROL MEASURES DOWNSTREAM OF THE SEDIMENT BASIN.
3. ALL WATER AND SEDIMENT MUST BE REMOVED FROM THE BASIN PRIOR TO THE DAM'S REMOVAL. DISPOSE OF SEDIMENT AND WATER IN A MANNER THAT WILL NOT CREATE AN EROSION OR POLLUTION HAZARD.
4. BRING THE DISTURBED AREA TO A PROPER GRADE, THEN SMOOTH, COMPACT AND STABILISE OR REVEGETATE AS REQUIRED TO ESTABLISH A STABLE LAND SURFACE.

MATERIAL STOCKPILING:

1. THE CONSTRUCTION CONTRACTOR IS TO ADHERE TO THE FOLLOWING SOIL AND STOCKPILE MANAGEMENT PRACTISES. STOCKPILES OF ERODIBLE MATERIAL THAT HAS THE POTENTIAL TO CAUSE ENVIRONMENTAL HARM IF DISPLACED MUST BE:
2. APPROPRIATELY PROTECTED FROM WIND, RAIN, CONCENTRATED SURFACE FLOW AND EXCESSIVE UP-SLOPE STORMWATER SURFACE FLOWS.
3. LOCATED AT LEAST 2m FROM ANY HAZARDOUS AREA, RETAINED VEGETATION, OR CONCENTRATED DRAINAGE LINE.
4. LOCATED UP-SLOPE OF AN APPROPRIATE SEDIMENT CONTROL SYSTEM.
5. PROVIDED WITH AN APPROPRIATE PROTECTIVE COVER (SYNTHETIC, MULCH OR VEGETATIVE) IF THE MATERIALS ARE LIKELY TO BE STOCKPILED FOR MORE THAN 28 DAYS.
6. PROVIDED WITH AN APPROPRIATE PROTECTIVE COVER (SYNTHETIC, MULCH OR VEGETATIVE) IF THE MATERIALS ARE LIKELY TO BE STOCKPILED FOR MORE THAN 10 DAYS DURING THOSE MONTHS THAT HAVE A HIGH EROSION RISK.
7. PROVIDED WITH AN APPROPRIATE PROTECTIVE COVER (SYNTHETIC, MULCH OR VEGETATIVE) IF THE MATERIALS ARE LIKELY TO BE STOCKPILED FOR MORE THAN 5 DAYS DURING THOSE MONTHS THAT HAVE A HIGH EROSION RISK.
8. A SUITABLE FLOW DIVERSION SYSTEM MUST BE ESTABLISHED IMMEDIATELY UP-SLOPE OF A STOCKPILE OF ERODIBLE MATERIAL THAT HAS THE POTENTIAL TO CAUSE ENVIRONMENTAL HARM IF DISPLACED, IF THE UP-SLOPE CATCHMENT AREA DRAINING TO THE STOCKPILE EXCEEDS 1500m².

STABILISED ENTRY/EXIT NOTES

MATERIALS

- ROCK: WELL GRADED, HARD, ANGULAR, EROSION RESISTANT ROCK, NOMINAL DIAMETER OF 50mm TO 75mm (SMALL DISTURBANCES) OR 100 TO 150mm (LARGE DISTURBANCES). ALL REASONABLE MEASURES MUST BE TAKEN TO OBTAIN ROCK OF NEAR UNIFORM SIZE.
- FOOTPATH STABILISING AGGREGATE: 25 TO 50mm GRAVEL OR AGGREGATE.
- GEOTEXTILE FABRIC: HEAVY-DUTY, NEEDLE-PUNCHED, NON-WOVEN FILTER CLOTH ('BIDIM' A24 OR EQUIVALENT).

INSTALLATION

1. REFER TO APPROVED PLANS FOR LOCATION AND DIMENSIONAL DETAILS. IF THERE ARE QUESTIONS OR PROBLEMS WITH THE LOCATION, DIMENSIONS, OR METHOD OF INSTALLATION, CONTACT THE ENGINEER OR RESPONSIBLE ON-SITE OFFICER FOR ASSISTANCE.
2. CLEAR THE LOCATION OF THE VIBRATION GRID, REMOVING STUMPS, ROOTS AND OTHER VEGETATION TO PROVIDE A FIRM FOUNDATION SO THAT THE ROCK IS NOT PRESSED INTO SOFT GROUND. CLEAR SUFFICIENT WIDTH TO ALLOW PASSAGE OF LARGE VEHICLES, BUT CLEAR ONLY THAT NECESSARY FOR THE EXIT. DO NOT CLEAR ADJACENT AREAS UNTIL THE REQUIRED EROSION AND SEDIMENT CONTROL DEVICES ARE IN PLACE
3. IF THE EXPOSED SOIL IS SOFT, PLASTIC OR CLAYEY, PLACE A SUB-BASE OF CRUSHED ROCK OR A LAYER OF HEAVY-DUTY FILTER CLOTH TO PROVIDE A FIRM FOUNDATION.
4. ENSURE THAT THE INSTALLATION OF THE VIBRATION GRID INCLUDES ADEQUATE SEDIMENT STORAGE VOLUME UNDER THE GRID. WHERE NECESSARY, INSTALL SUITABLE PRECAST SEDIMENT COLLECTION CHAMBERS.
5. PLACE A ROCK PAD/RAMP FORMING A MINIMUM 200mm THICK LAYER OF CLEAN, OPEN-VOID ROCK OVER THE ROADWAY BETWEEN THE VIBRATION GRID AND THE SEALED STREET TO PREVENT TYRES FROM PICKING UP MORE SOIL AFTER THEY HAVE BEEN CLEANED.
6. IF THE ASSOCIATED CONSTRUCTION SITE IS UP-SLOPE OF THE ROCK PAD, THUS CAUSING STORMWATER RUNOFF TO FLOW TOWARDS THE ROCK PAD, THEN FORM A MINIMUM 300mm HIGH FLOW CONTROL BERM ACROSS THE ROCK PAD TO DIVERT SUCH RUNOFF TO A SUITABLE SEDIMENT TRAP
7. THE TOTAL LENGTH OF THE VIBRATION GRIP AND ROCK RAMPS SHOULD BE AT LEAST 15m WHERE PRACTICABLE, AND AS WIDE AS THE FULL WIDTH OF THE ENTRY OR EXIT AND AT LEAST 3m. THE ROCK RAMP SHOULD COMMENCE AT THE EDGE OF THE OFF-SITE SEALED ROAD OR PAVEMENT.
8. FLARE THE END OF THE ROCK PAD WHERE IT MEETS THE PAVEMENT SO THAT THE WHEELS OF TURNING VEHICLES DO NOT TRAVEL OVER UNPROTECTED SOIL.

MAINTENANCE

1. INSPECT VIBRATION GRID PRIOR TO FORECAST RAIN, DAILY DURING EXTENDED PERIODS OF RAINFALL, AFTER SIGNIFICANT RUNOFF-PRODUCING RAINFALL, OR OTHERWISE AT FORTNIGHTLY INTERVALS.
2. IF SAND, SOIL, SEDIMENT OR MUD IS TRACKED OR WASHED ONTO THE ADJACENT SEALED ROADWAY, THEN SUCH MATERIAL MUST BE PHYSICALLY REMOVED, FIRST USING A SQUARE-EDGED SHOVEL, AND THEN A STIFF-BRISTLED BROOM, AND THEN BY A MECHANICAL VACUUM UNIT, IF AVAILABLE.
3. IF NECESSARY FOR SAFETY REASONS, THE ROADWAY SHALL ONLY BE WASHED CLEAN AFTER ALL REASONABLE EFFORTS HAVE BEEN TAKEN TO SHOVEL AND SWEEP THE MATERIAL FROM THE ROADWAY.
4. WHEN THE VOIDS BETWEEN THE ROCK BECOMES FILLED WITH MATERIAL AND THE EFFECTIVENESS OF THE ROCK RAMPS ARE REDUCED TO A POINT WHERE SEDIMENT IS BEING TRACKED OFF THE SITE, A NEW 100mm LAYER OF ROCK MUST BE ADDED AND/OR THE ROCK PAD MUST BE EXTENDED.
5. ENSURE ANY ASSOCIATED DRAINAGE CONTROL MEASURES ARE MAINTAINED IN ACCORDANCE WITH THEIR DESIRED OPERATIONAL CONDITION.
6. DISPOSE OF SEDIMENT AND DEBRIS IN A MANNER THAT WILL NOT CREATE AN EROSION OR POLLUTION HAZARD.

CHECK DAM SEDIMENT TRAPS

INSTALLATION

1. REFER TO APPROVED PLANS FOR LOCATION AND INSTALLATION DETAILS. IF THERE ARE QUESTIONS OR PROBLEMS WITH THE LOCATION OR METHOD OF INSTALLATION CONTACT THE ENGINEER OR RESPONSIBLE ON-SITE OFFICER FOR ASSISTANCE.
2. PRIOR TO PLACEMENT OF THE SEDIMENT TRAP, ENSURE THE DRAINAGE CHANNEL IS DEEP ENOUGH TO PREVENT WATER BEING UNSAFELY DIVERTED OUT OF THE DRAIN ONCE THE CHECK DAMS ARE INSTALLED.
3. LOCATE EACH CHECK DAM SEDIMENT TRAP AS DIRECTED WITHIN THE APPROVED PLANS, OR OTHERWISE AT SUCH A SPACING TO ACHIEVE THE REQUIRED SEDIMENT TRAPPING OUTCOMES.
4. IF THE CHECK DAMS ARE ALSO BEING USED TO CONTROL EROSION WITHIN THE DRAINAGE CHANNEL, THEN LOCATE EACH SUCCESSIVE CHECK DAM SUCH THAT THE CREST OF THE IMMEDIATE DOWNSTREAM DAM IS LEVEL WITH THE CHANNEL INVERT AT THE IMMEDIATE UPSTREAM CHECK DAM.
5. ENSURE SAND BAGS EXTEND UP THE CHANNEL BANKS (WHERE PRACTICAL) TO A LEVEL AT LEAST 100mm ABOVE THE CREST LEVEL OF THE CHECK DAM.

MAINTENANCE

1. INSPECT EACH CHECK DAM AND THE DRAINAGE CHANNEL AT LEAST WEEKLY AND AFTER RUNOFF-PRODUCING RAINFALL.
2. CORRECT ALL DAMAGE IMMEDIATELY. IF SIGNIFICANT EROSION OCCURS BETWEEN ANY OF THE CHECK DAMS, THEN CHECK THE SPACING OF THE DAMS AND WHERE NECESSARY INSTALL INTERMEDIATE CHECK DAMS OR A SUITABLE CHANNEL LINER.
3. CHECK FOR DISPLACEMENT OF THE CHECK DAMS.
4. CHECK FOR SOIL SCOUR AROUND THE ENDS OF EACH CHECK DAM. IF SUCH EROSION IS OCCURRING, CONSIDER EXTENDING THE WIDTH OF THE CHECK DAM TO AVOID SUCH PROBLEMS.
5. IF SEVERE SOIL EROSION OCCURS EITHER UNDER OR AROUND THE CHECK DAMS, THEN SEEK EXPERT ADVICE ON AN ALTERNATIVE TREATMENT MEASURE.
6. DE-SILT SEDIMENT TRAP IF THE SEDIMENT LEVEL EXCEEDS 1/3 THE CREST HEIGHT.
7. DISPOSE OF COLLECTED SEDIMENT IN A SUITABLE MANNER THAT WILL NOT CAUSE AN EROSION OR POLLUTION HAZARD.

KERB INLET SEDIMENT TRAPS

FROM ICEA (INTERNATIONAL EROSION SEDIMENT ASSOCIATION) AUSTRALASIA STANDARD DRAWING ESC-03 (DEC 09).

MATERIALS

1. SOCKS: MINIMUM 200mm DIAMETER SYNTHETIC OR BIODEGRADABLE TUBES MANUFACTURED FROM NON-WOVEN OR COMPOSITE FABRIC SUITABLE FOR THE 'FILTRATION' OF COARSE SEDIMENTS.
2. FILL MATERIAL: STRAW, CANE MULCH, COMPOSITE MATERIAL (AS4454), COARSE SAND, OR CLEAN AGGREGATE.
3. STAKES: MINIMUM 25 x 25mm TIMBER.

INSTALLATION

1. REFER TO APPROVED PLANS FOR LOCATION AND INSTALLATION DETAILS. IF THERE ARE QUESTIONS OR PROBLEMS WITH THE LOCATION, DIMENSIONS OR METHOD OF INSTALLATION CONTACT THE ENGINEER OR RESPONSIBLE ON-SITE OFFICER FOR ASSISTANCE.
2. ENSURE THE SOCKS ARE PLACED INDIVIDUALLY OR COLLECTIVELY (AS A SINGLE SEDIMENT TRAP) SUCH THAT:
   (i) LEAKAGE AROUND OR UNDER THE SOCKS IS MINIMISED.
   (ii) ADJOINING SOCKS ARE TIGHTLY BUTTED OR OVERLAPPED AT LEAST 450mm.
   (iii) THE SURFACE AREA OF POTENTIAL WATER PONDING UP-SLOPE OF EACH SEDIMENT TRAP IS MAXIMISED.
   (iv) TO THE MAXIMUM DEGREE PRACTICAL, ALL SEDIMENT-LADEN WATER WILL PASS THROUGH THE FORMED POND BEFORE FLOWING OVER THE DOWN-SLOPE END OF THE SEDIMENT TRAP.
3. WHEN PLACED ACROSS THE INVERT OF MINOR DRAINS, ENSURE THE SOCKS ARE PLACED SUCH THAT:
   (i) THE CREST OF THE DOWNSTREAM SOCK IS LEVEL WITH THE CHANNEL INVERT AT THE IMMEDIATE UPSTREAM SOCK (IF ANY);
   (ii) EACH SOCK EXTENDS UP THE CHANNEL BANKS SUCK THAT THE CREST OF THE SOCK AT ITS LOWEST POINT IS LOWER THAN GROUND LEVEL AT EITHER END OF THE SOCK.
4. IF STAKES ARE REQUIRED TO ANCHOR THE SOCKS, THEIR SPACING DOES NOT EXCEED 1.2m OR SIX TIMES THE SOCK DIAMETER (WHICHEVER IS THE LESSER). A MAXIMUM STAKE SPACING OF 0.3m APPLIES WHEN USED TO FORM CHECK DAMS.

MAINTENANCE

1. INSPECT ALL FILTER SOCKS PRIOR TO FORECAST RAIN, DAILY DURING EXTENDED PERIODS OF RAINFALL, AFTER SIGNIFICANT RUNOFF PRODUCING STORMS OR OTHERWISE AT WEEKLY INTERVALS.
2. REPAIR OR REPLACE DAMAGED SOCKS.
3. THE BULK OF THE SEDIMENT COLLECTED BEHIND THE FILTER SOCKS SHOULD BE REMOVED BY SHOVEL AFTER EACH STORM EVENT.
4. REMOVE COLLECTED SEDIMENT AND DISPOSE OF IN A SUITABLE MANNER THAT WILL NOT CAUSE AN EROSION OR POLLUTION HAZARD.

REMOVAL

1. ALL SAND, SOIL, SEDIMENT OR MUD MUST BE PHYSICALLY REMOVED FROM SEALED SURFACES, FIRST USING A SQUARE-EDGED SHOVEL, AND THEN A STIFF-BRISTLED BROOM, AND THEN BY A MECHANICAL VACUUM UNIT, IF AVAILABLE.
2. IF NECESSARY FOR SAFETY REASONS, THE SEALED SURFACE SHALL ONLY BE WASHED CLEAN AFTER ALL REASONABLE EFFORTS HAVE BEEN TAKEN TO SHOVEL AND SWEEP THE MATERIAL FROM THE SURFACE.
3. DISPOSE OF COLLECTED SEDIMENT IN A SUITABLE MANNER THAT WILL NOT CAUSE AN EROSION OR POLLUTION HAZARD.
4. ALL SYNTHETIC (PLASTIC) MESH OR OTHER NON READILY BIODEGRADABLE MATERIAL MUST BE REMOVED FROM THE SITE ONCE THE SLOPE OR DRAIN IS STABILISED, OR THE SOCKS HAVE DETERIORATED TO A POINT WHERE THEY ARE NO LONGER PROVIDING THEIR INTENDED DRAINAGE OR SEDIMENT CONTROL FUNCTION.

REVISIONS:

No.	REVISION DESCRIPTION	DRAWN	DATE
0	ISSUED FOR CONSTRUCTION	MP	13/03/25

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IF IN DOUBT - ASK.

CLIENT
PARK LAKE ADARE PTY LTD
PO BOX 4107 SPRINGFIELD QLD 4300

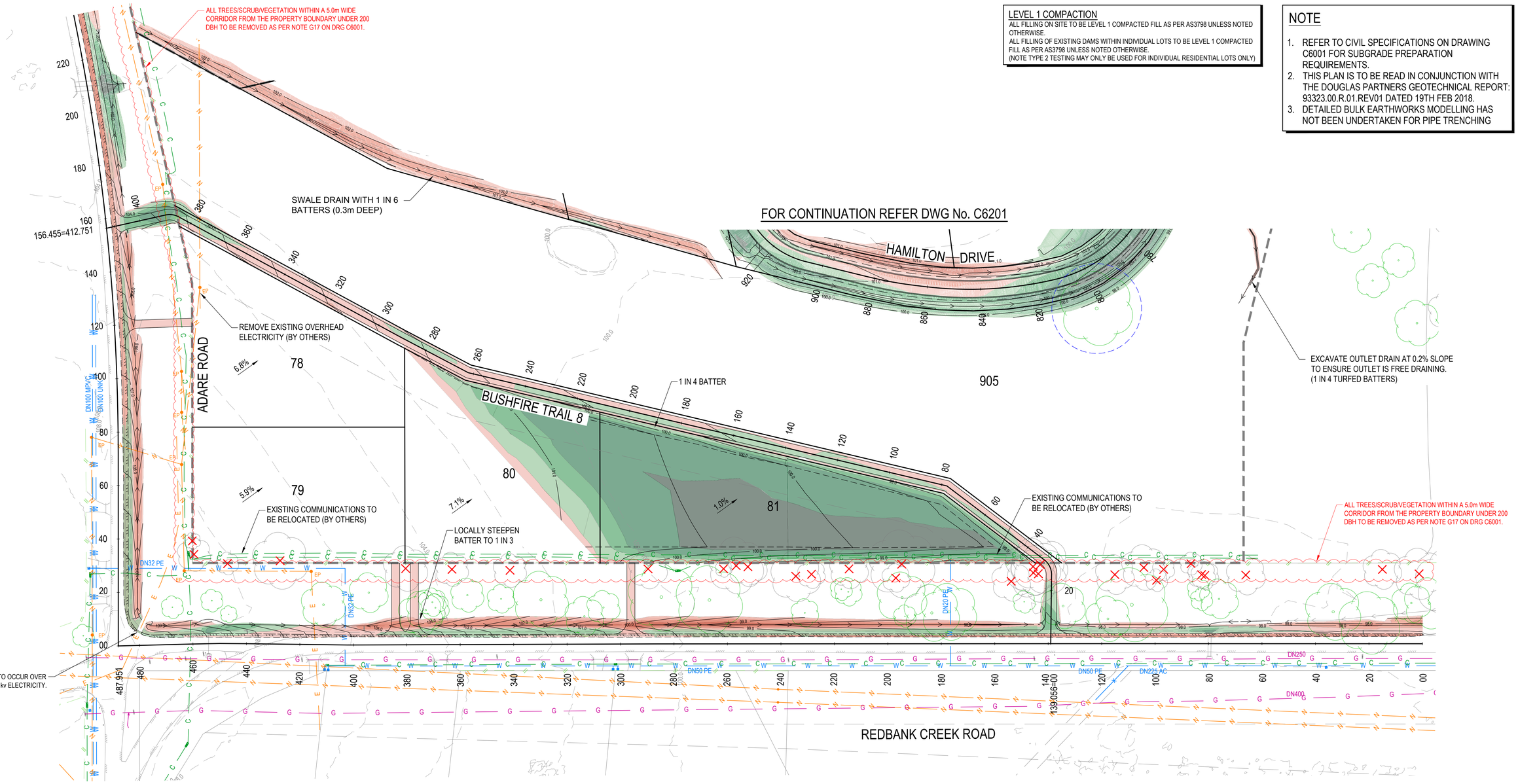
SCALE

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
EROSION AND SEDIMENT CONTROL NOTES

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE	
CK	MP	CALVIN KIRK RPEQ:19536	
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1
JOB No.		DRAWING No.	REVISION
BR242036		C6191	0



LEVEL 1 COMPACTION

ALL FILLING ON SITE TO BE LEVEL 1 COMPACTED FILL AS PER AS3798 UNLESS NOTED OTHERWISE.
ALL FILLING OF EXISTING DAMS WITHIN INDIVIDUAL LOTS TO BE LEVEL 1 COMPACTED FILL AS PER AS3798 UNLESS NOTED OTHERWISE.
(NOTE TYPE 2 TESTING MAY ONLY BE USED FOR INDIVIDUAL RESIDENTIAL LOTS ONLY)

NOTE

1. REFER TO CIVIL SPECIFICATIONS ON DRAWING C6001 FOR SUBGRADE PREPARATION REQUIREMENTS.
2. THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE DOUGLAS PARTNERS GEOTECHNICAL REPORT: 93323.00.R.01.REV01 DATED 19TH FEB 2018.
3. DETAILED BULK EARTHWORKS MODELLING HAS NOT BEEN UNDERTAKEN FOR PIPE TRENCHING

LEGEND

EXISTING	PROPOSED
FENCE	OPEN DRAIN
OPEN DRAIN	MOUNTABLE KERB TYPE M4
MOUNTABLE KERB TYPE M4	MOUNTABLE KERB TYPE M6
MOUNTABLE KERB TYPE M6	CONTOUR (0.5m)
CONTOUR (1.0m)	ROAD EDGE BITUMEN
ROAD EDGE BITUMEN	ROAD SHOULDER
TREE TO REMAIN	DRAINAGE
TREE TO BE REMOVED	STAGE BOUNDARY
TREE TPZ	

SERVICES (PUP) LEGEND

	EXISTING
COMMUNICATIONS	C(*)
DRAINAGE	D(*)
ELECTRICITY	E(*)
O/H ELECTRICITY & POLE	
GAS	G(*)
SEWERAGE	S(*)
WATER MAIN	W(*)

CUT	FILL
	0.00m - 0.25m
	0.25m - 0.50m
	0.50m - 1.000m
	1.00m - 2.00m
	> 2.00m

BULK EARTHWORKS QUANTITES

100mm STRIPPING: 5,478m³
LOT 81 SURPLUS FILL AREA STRIPPING: 221m3
CUT VOLUME: 13,224m³
FILL VOLUME: 11,796m³
DAM FILL: 1,428m³ (ASSUMPTION)
(2.0m DEPTH BENEATH WATER LEVEL)

BULK EARTHWORKS QUANTITES - PARK

100mm STRIPPING: 61m³
CUT VOLUME: 14m³
FILL VOLUME: 20m³

EXISTING DAMS

THE EXISTING DAMS WITHIN THE SITE ARE TO BE DE-WATERED. REMOVE ALL ORGANIC AND DELETERIOUS MATTER AND EXCAVATE WEAK, DISTURBED, WATER AFFECTED AND ORGANIC RICH SOILS. PROOF ROLL THE SITE USING SIX PASSES OF A 10 TONNE MINIMUM STATIC WEIGHT VIBRATORY PAD TYPE ROLLER UNDER THE SUPERVISION OF A GEOTECHNICAL ENGINEER. ANY SOFT SPOTS AND/OR LOOSE AREAS ARE TO BE EXCAVATED TO A DEPTH OF 300mm AND REPLACED WITH APPROVED BACKFILL. THESE AREAS ARE TO BE INSPECTED BY A GEOTECHNICAL ENGINEER TO ASSESS WHETHER FURTHER EXCAVATION IS REQUIRED.SELECT REPLACEMENT MATERIAL TO BE (MINIMUM CBR15) PLACED IN LAYERS NOT EXCEEDING 150m COMPACTED THICKNESS, COMPACTED TO THE COMPACTION REQUIREMENTS.

REVISIONS:

No.	REVISION DESCRIPTION	DRAWN	DATE
6	PARK WORKS ADDED	MP	05/11/25
5	PARK WORKS ADDED	MP	24/10/25
4	TREE REMOVAL NOTES ADDED	MP	11/09/25
3	VOLUMES UPDATED	MP	30/07/25
2	ISSUED FOR MINOR CHANGE	MP	20/06/25
1	ISSUED FOR CONSTRUCTION	MP	02/05/25
0	ISSUED FOR CONSTRUCTION	MP	13/03/25

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IF IN DOUBT - ASK.

CLIENT
PARK LAKE ADARE PTY LTD
PO BOX 4107 SPRINGFIELD QLD 4300

SCALE
0 7.5 15 22.5 30 37.5m 75m
SCALE 1:750

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
BULK EARTHWORKS PLAN
SHEET 1

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE	
CK	MP		
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1
JOB No.	DRAWING No.		REVISION
BR242036	C6200		6

LEGEND

EXISTING	PROPOSED
FENCE	OPEN DRAIN
OPEN DRAIN	MOUNTABLE KERB TYPE M4
MOUNTABLE KERB TYPE M4	MOUNTABLE KERB TYPE M6
MOUNTABLE KERB TYPE M6	CONTOUR (0.5m)
CONTOUR (1.0m)	ROAD EDGE BITUMEN
ROAD EDGE BITUMEN	ROAD SHOULDER
TREE TO REMAIN	DRAINAGE
TREE TO BE REMOVED	STAGE BOUNDARY
TREE TPZ	

SERVICES (PUP) LEGEND

	EXISTING
COMMUNICATIONS	C(*)
DRAINAGE	D(*)
ELECTRICITY	E(*)
O/H ELECTRICITY & POLE	
GAS	G(*)
SEWERAGE	S(*)
WATER MAIN	W(*)

CUT	FILL	
		0.00m - 0.25m
		0.25m - 0.50m
		0.50m - 1.000m
		1.00m - 2.00m
		> 2.00m

NOTE

1. REFER TO CIVIL SPECIFICATIONS ON DRAWING C6001 FOR SUBGRADE PREPARATION REQUIREMENTS.
2. THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE DOUGLAS PARTNERS GEOTECHNICAL REPORT: 93323.00.R.01.REV01 DATED 19TH FEB 2018.
3. DETAILED BULK EARTHWORKS MODELLING HAS NOT BEEN UNDERTAKEN FOR PIPE TRENCHING

FOR CONTINUATION REFER DWG No. C6202

EXISTING COMMUNICATIONS TO BE RELOCATED (BY OTHERS)

REMOVE EXISTING OVERHEAD ELECTRICITY (BY OTHERS)

ADARE ROAD

HAMILTON DRIVE

EXISTING COMMUNICATIONS TO BE RELOCATED (BY OTHERS)

REMOVE EXISTING OVERHEAD ELECTRICITY (BY OTHERS)

ALL TREES/SCRUB/VEGETATION WITHIN A 5.0m WIDE CORRIDOR FROM THE PROPERTY BOUNDARY UNDER 200 DBH TO BE REMOVED AS PER NOTE G17 ON DRG C6001.

SWALE DRAIN WITH 1 IN 6 BATTERS (0.3m DEEP)

EXISTING DAM

EXCAVATE OUTLET DRAIN AT 0.2% SLOPE TO ENSURE OUTLET IS FREE DRAINING. (1 IN 4 TURFED BATTERS)

EXISTING DAM TO BE FILLED. REFER 'EXISTING DAMS' NOTE AND 'EARTHWORKS LEVELS' NOTES ON DRG C6200

BIO RETENTION BASIN 2. REFER DRAWING C6511 FOR DETAILS

EXCAVATE OUTLET DRAIN AT 0.2% SLOPE TO ENSURE OUTLET IS FREE DRAINING. (1 IN 4 TURFED BATTERS)

FOR CONTINUATION REFER DWG No. C6200

LEVEL 1 COMPACTION

ALL FILLING ON SITE TO BE LEVEL 1 COMPACTED FILL AS PER AS3798 UNLESS NOTED OTHERWISE.
ALL FILLING OF EXISTING DAMS WITHIN INDIVIDUAL LOTS TO BE LEVEL 1 COMPACTED FILL AS PER AS3798 UNLESS NOTED OTHERWISE.
(NOTE TYPE 2 TESTING MAY ONLY BE USED FOR INDIVIDUAL RESIDENTIAL LOTS ONLY)

REVISIONS:

No.	REVISION DESCRIPTION	DRAWN	DATE
4	STORMWATER UPDATED	MP	19/01/26
3	PARK WORKS ADDED	MP	05/11/25
2	PARK WORKS ADDED	MP	24/10/25
1	TREE REMOVAL NOTES ADDED	MP	11/09/25
0	ISSUED FOR CONSTRUCTION	MP	13/03/25

PARKLAKE ADARE

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PARK LAKE ADARE PTY LTD
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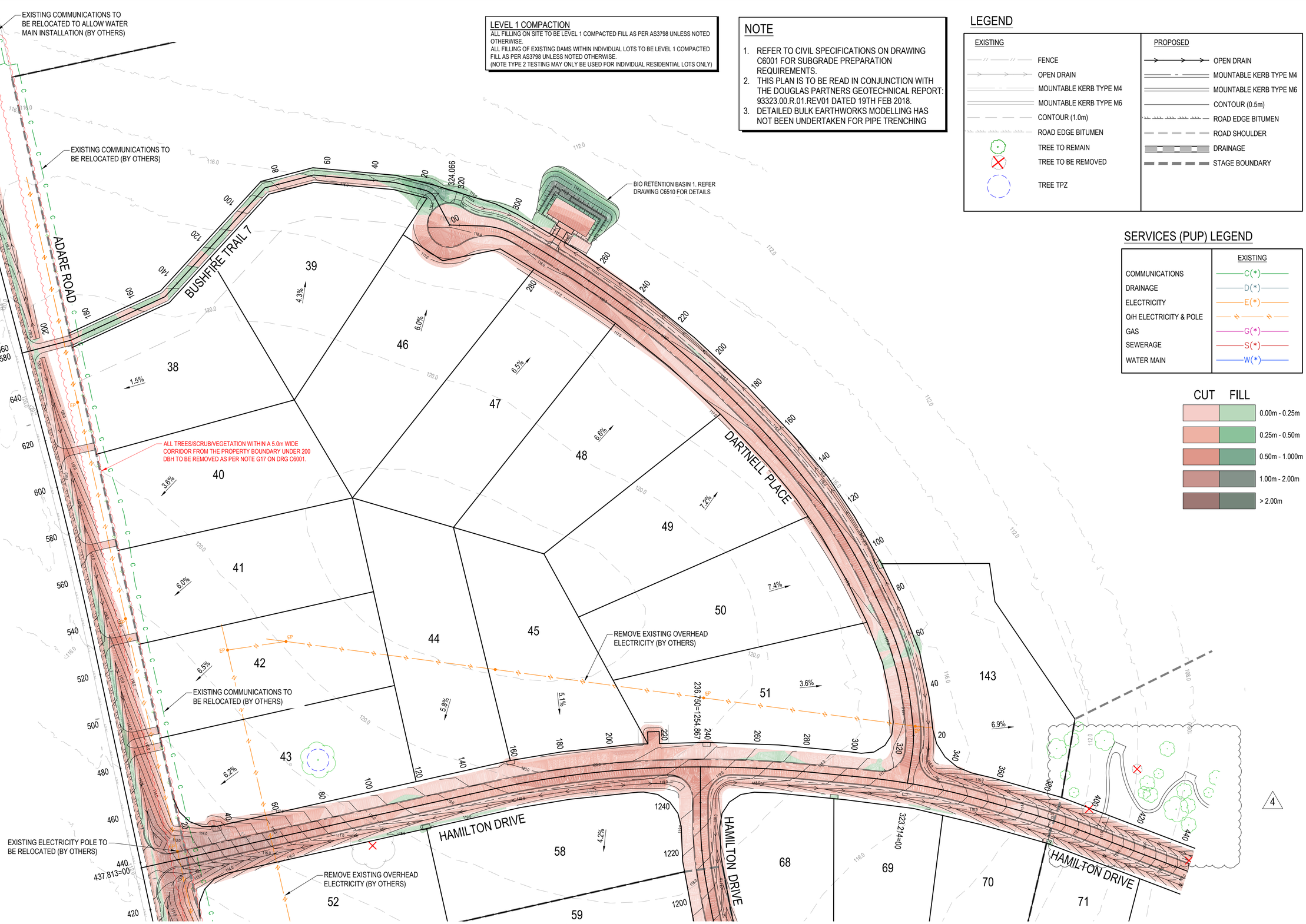
SCALE
0 7.5 15 22.5 30 37.5m 75m
SCALE 1:750

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
BULK EARTHWORKS PLAN
SHEET 2

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE	
CK	MP		
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1
JOB No.		DRAWING No.	REVISION
BR242036		C6201	4



LEVEL 1 COMPACTION

ALL FILLING ON SITE TO BE LEVEL 1 COMPACTED FILL AS PER AS3798 UNLESS NOTED OTHERWISE.
ALL FILLING OF EXISTING DAMS WITHIN INDIVIDUAL LOTS TO BE LEVEL 1 COMPACTED FILL AS PER AS3798 UNLESS NOTED OTHERWISE.
(NOTE TYPE 2 TESTING MAY ONLY BE USED FOR INDIVIDUAL RESIDENTIAL LOTS ONLY)

NOTE

1. REFER TO CIVIL SPECIFICATIONS ON DRAWING C6001 FOR SUBGRADE PREPARATION REQUIREMENTS.
2. THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE DOUGLAS PARTNERS GEOTECHNICAL REPORT: 93323.00.R.01.REV01 DATED 19TH FEB 2018.
3. DETAILED BULK EARTHWORKS MODELLING HAS NOT BEEN UNDERTAKEN FOR PIPE TRENCHING

LEGEND

EXISTING	PROPOSED
FENCE	OPEN DRAIN
OPEN DRAIN	MOUNTABLE KERB TYPE M4
MOUNTABLE KERB TYPE M4	MOUNTABLE KERB TYPE M6
MOUNTABLE KERB TYPE M6	CONTOUR (0.5m)
CONTOUR (1.0m)	ROAD EDGE BITUMEN
ROAD EDGE BITUMEN	ROAD SHOULDER
TREE TO REMAIN	DRAINAGE
TREE TO BE REMOVED	STAGE BOUNDARY
TREE TPZ	

SERVICES (PUP) LEGEND

	EXISTING
COMMUNICATIONS	C(*)
DRAINAGE	D(*)
ELECTRICITY	E(*)
O/H ELECTRICITY & POLE	
GAS	G(*)
SEWERAGE	S(*)
WATER MAIN	W(*)

CUT	FILL	
		0.00m - 0.25m
		0.25m - 0.50m
		0.50m - 1.000m
		1.00m - 2.00m
		> 2.00m

FOR CONTINUATION REFER DWG No. C6201

REVISIONS:			
4	STORMWATER UPDATED	MP	19/01/26
3	PARK WORKS ADDED	MP	05/11/25
2	PARK WORKS ADDED	MP	24/10/25
1	TREE REMOVAL NOTES ADDED	MP	11/09/25
0	ISSUED FOR CONSTRUCTION	MP	13/03/25
No.	REVISION DESCRIPTION	DRAWN	DATE

PARKLAKE ADARE

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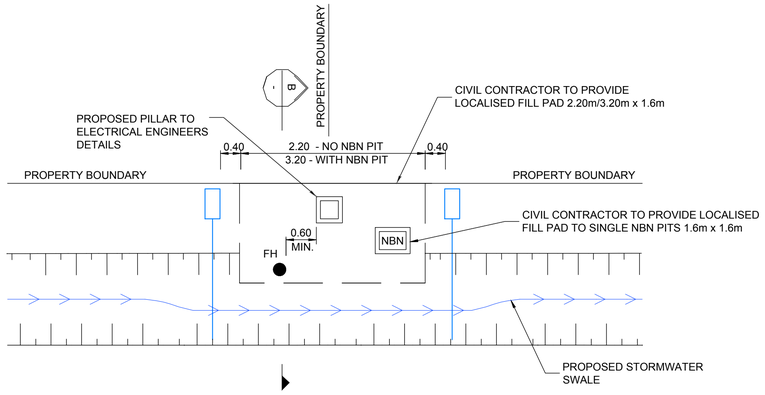
SCALE
0 7.5 15 22.5 30 37.5m 75m
SCALE 1:750

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
BULK EARTHWORKS PLAN
SHEET 3

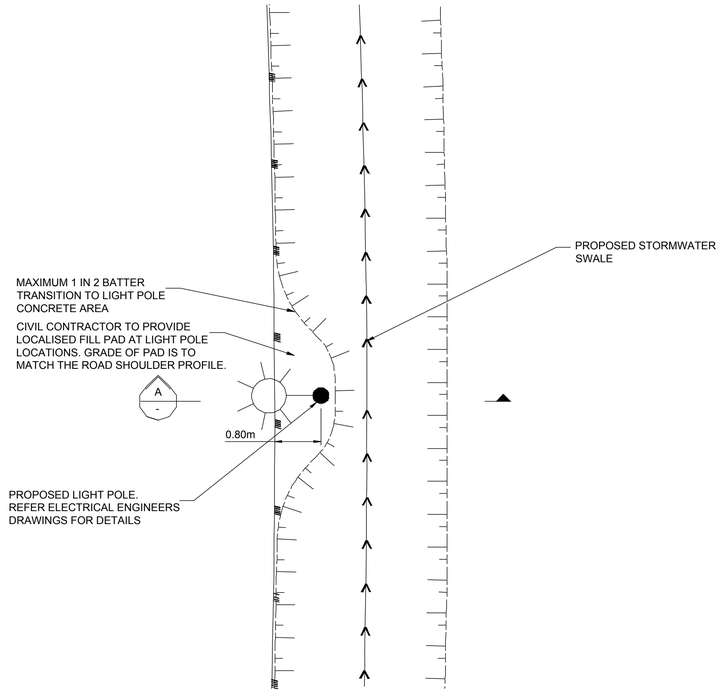
DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE	
CK	MP		
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1
JOB No.		DRAWING No.	REVISION
BR242036		C6202	4



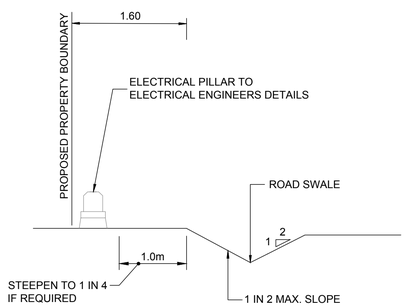
TYPICAL ELECTRICAL PILLAR PROTECTION DETAIL

SCALE 1:50



TYPICAL LIGHT POLE PROTECTION DETAIL

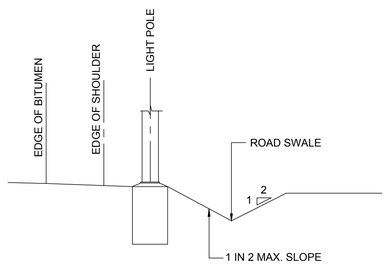
SCALE 1:50



B
-

TYPICAL ELECTRICAL PILLAR SECTION

SCALE 1:50



TYPICAL LIGHT POLE SECTION A

SCALE 1:50

REVISIONS:			
0	ISSUED FOR CONSTRUCTION	MP	13/03/25
No.	REVISION DESCRIPTION	DRAWN	DATE

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SCALE
0 1 2 3 4 5m
SCALE 1:50

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
BULK EARTHWORKS DETAILS

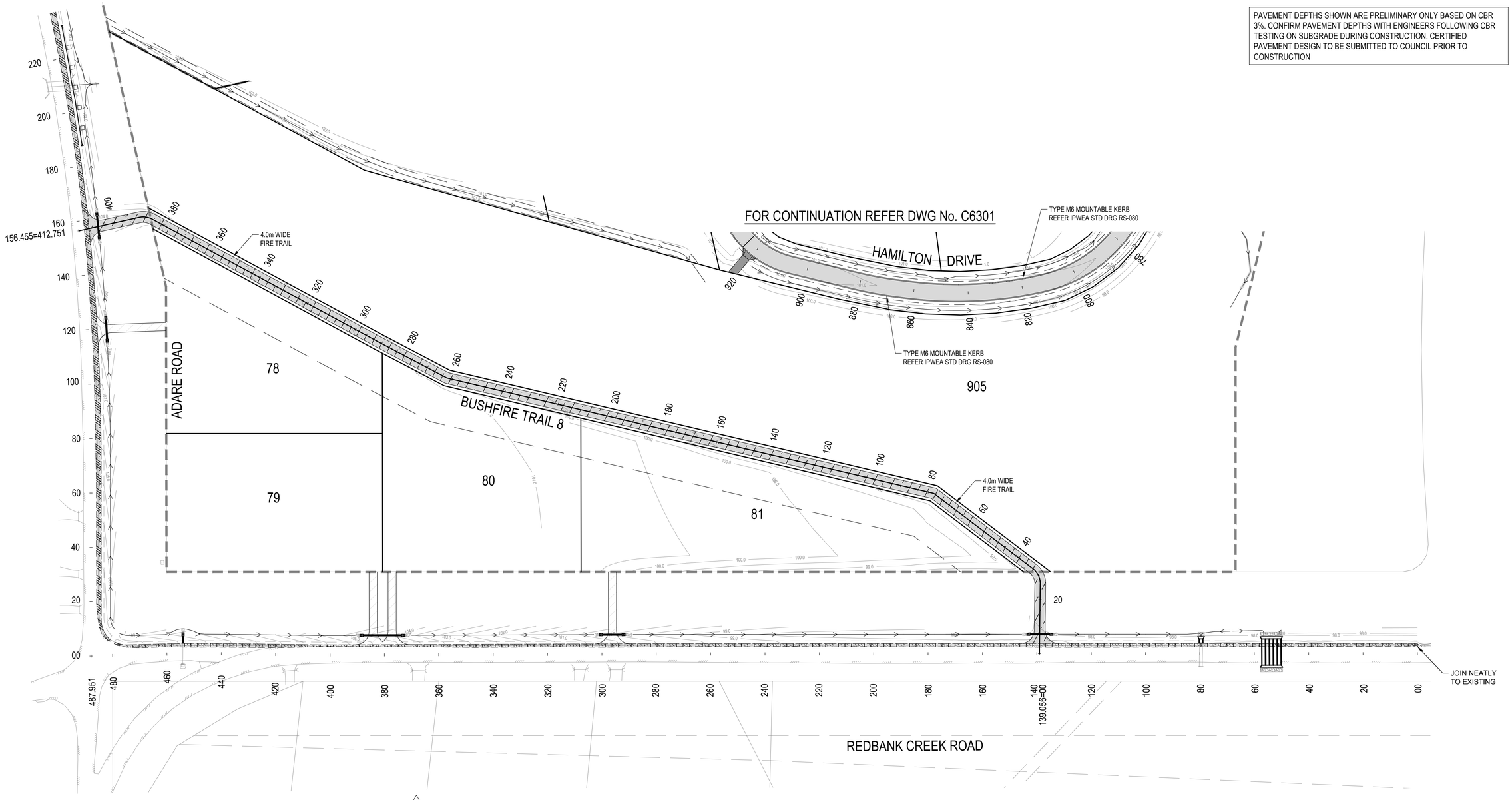
DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE
CK	MP	CALVIN KIRK RPEQ:19536

DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1

JOB No.	DRAWING No.	REVISION
BR242036	C6290	0

PAVEMENT DEPTHS SHOWN ARE PRELIMINARY ONLY BASED ON CBR 3%. CONFIRM PAVEMENT DEPTHS WITH ENGINEERS FOLLOWING CBR TESTING ON SUBGRADE DURING CONSTRUCTION. CERTIFIED PAVEMENT DESIGN TO BE SUBMITTED TO COUNCIL PRIOR TO CONSTRUCTION



10

LEGEND

EXISTING	PROPOSED
FENCE	MOUNTABLE KERB TYPE M4
OPEN DRAIN	MOUNTABLE KERB TYPE M6
MOUNTABLE KERB TYPE M4	CONTOUR (0.5m)
MOUNTABLE KERB TYPE M6	ROAD EDGE BITUMEN
ROAD EDGE BITUMEN	ROAD SHOULDER
TREE TO REMAIN	DRAINAGE

SURFACE TREATMENT LEGEND:

PAVEMENT 1 - ACCESS STREET - $1x10^5$
DARTNELL PLACE & HAMILTON DRIVE
ASPHALT - 30mm @ DG10, CLASS 320 BITUMEN BINDER WITH EMULSION PRIMER
125mm THICK BASE COURSE - TYPE 2.1 (CBR 80) BINDER WITH EMULSION PRIMER
175mm THICK SUB-BASE - TYPE 2.3 (CBR 45)
TOTAL PAVEMENT DEPTH = 330mm

PAVEMENT 2 - COLLECTOR STREET - $1x10^6$
REDBANK CREEK ROAD (WIDENING)
50mm ASPHALT CONCRETE EMUSION PRIMER
125mm CBR 80
175mm CBR 45
TOTAL PAVEMENT DEPTH = 350mm

PAVEMENT 3 - COLLECTOR STREET - $1x10^6$
ADARE ROAD (CH.0 TO CH.420)
50mm ASPHALT CONCRETE EMUSION PRIMER
125mm CBR 80
125mm CBR 45
125mm CBR 15
TOTAL PAVEMENT DEPTH = 425mm

PAVEMENT 4 - COLLECTOR STREET - $1x10^6$
ADARE ROAD (CH.420 TO CH.803.138)
50mm ASPHALT CONCRETE EMUSION PRIMER
125mm CBR 80
175mm CBR 45
COMBIGRID 60/61 Q1 GEOCOMPOSITE
240mm WELL-GRADED CRUSHED ROCK OR GRAVEL TO ACHIEVE IMPROVED CBR OF 12.5%
TOTAL PAVEMENT DEPTH = 590mm

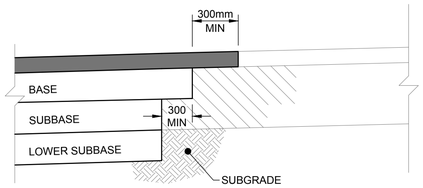
HEAVY DUTY DRIVEWAY
REFER IPWEA STD DRG RS-051

BUSHFIRE TRAIL
REFER DRGS C6700-C6703 FOR DETAILS.

DRIVEWAY. REFER IPWEA STD DRG RS-056. 150mm CBR45

PAVEMENT NOTES

1. FOR ANY PARTIALLY BUILT ASPHALT PAVEMENT, THE PAVEMENT SHOULD NOT BE LOADED (BY EITHER NON-ESSENTIAL CONSTRUCTION OR GENERAL TRAFFIC) UNTIL THE PARTIALLY BUILT ASPHALT PAVEMENT IS ≤ 60mm BELOW THE FINISHED SURFACE LEVEL.
2. GENERAL TRAFFIC USE OF A PARTIALLY BUILT ASPHALT PAVEMENT SHOULD BE LIMITED, AS PROLONGED USE WILL RESULT IN A CONSIDERABLY REDUCED PAVEMENT LIFE.
3. THE PROPOSED WORK SHOULD BE CUT IN TO EXPOSE THE EDGE OF THE EXISTING PAVEMENT AND NOT SIMPLY BUTTED AGAINST THE EDGE OF THE EXISTING SURFACE.



EXISTING PAVEMENT JOINT DETAIL

NOT TO SCALE

REVISIONS:			
10	PAVEMENT DESIGN UPDATED	MP	07/11/25
9	PAVEMENT DESIGN UPDATED	MP	04/11/25
8	PAVEMENT DESIGN UPDATED	MP	27/10/25
7	ISSUED FOR CONSTRUCTION - AFTER MINOR APPROVAL	MP	23/10/25
6	UPDATED PAVEMENT DEPTH FOR CONSTRUCTION	CL	10/10/25
5	PAVEMENT DESIGN FOR LVRC APPROVAL	CL	09/10/25
4	PAVEMENT DESIGN FOR LVRC APPROVAL	CL	03/10/25
3	LOT 81 DRIVEWAY MOVED	MP	11/09/25
2	ISSUED FOR MINOR CHANGE	MP	03/07/25
1	ISSUED FOR MINOR CHANGE	MP	20/06/25
No.	REVISION DESCRIPTION	DRAWN	DATE

PARKLAKE ADARE

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SCALE
0 7.5 15 22.5 30 37.5m 75m
SCALE 1:750

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
PAVEMENT PLAN
SHEET 1

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE	
CK	MP		
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1
JOB No.	DRAWING No.		REVISION
BR242036	C6300		10

LEGEND

EXISTING	PROPOSED
FENCE	MOUNTABLE KERB TYPE M4
OPEN DRAIN	MOUNTABLE KERB TYPE M6
MOUNTABLE KERB TYPE M4	CONTOUR (0.5m)
MOUNTABLE KERB TYPE M6	ROAD EDGE BITUMEN
ROAD EDGE BITUMEN	ROAD SHOULDER
TREE TO REMAIN	DRAINAGE

SURFACE TREATMENT LEGEND:

PAVEMENT 1 - ACCESS STREET - $1x10^5$
DARTNELL PLACE & HAMILTON DRIVE
ASPHALT - 30mm @ DG10, CLASS 320 BITUMEN BINDER WITH EMULSION PRIMER
125mm THICK BASE COURSE - TYPE 2.1 (CBR 80) BINDER WITH EMULSION PRIMER
175mm THICK SUB-BASE - TYPE 2.3 (CBR 45)
TOTAL PAVEMENT DEPTH = 330mm

PAVEMENT 2 - COLLECTOR STREET - $1x10^6$
REDBANK CREEK ROAD (WIDENING)
50mm ASPHALT CONCRETE EMUSION PRIMER
125mm CBR 80
175mm CBR 45
TOTAL PAVEMENT DEPTH = 350mm

PAVEMENT 3 - COLLECTOR STREET - $1x10^6$
ADARE ROAD (CH.0 TO CH.420)
50mm ASPHALT CONCRETE EMUSION PRIMER
125mm CBR 80
125mm CBR 45
125mm CBR 15
TOTAL PAVEMENT DEPTH = 425mm

PAVEMENT 4 - COLLECTOR STREET - $1x10^6$
ADARE ROAD (CH.420 TO CH.803.138)
50mm ASPHALT CONCRETE EMUSION PRIMER
125mm CBR 80
175mm CBR 45
COMBIGRID 60/61 Q1 GEOCOMPOSITE
240mm WELL-GRADED CRUSHED ROCK OR GRAVEL TO ACHIEVE IMPROVED CBR OF 12.5%
TOTAL PAVEMENT DEPTH = 590mm

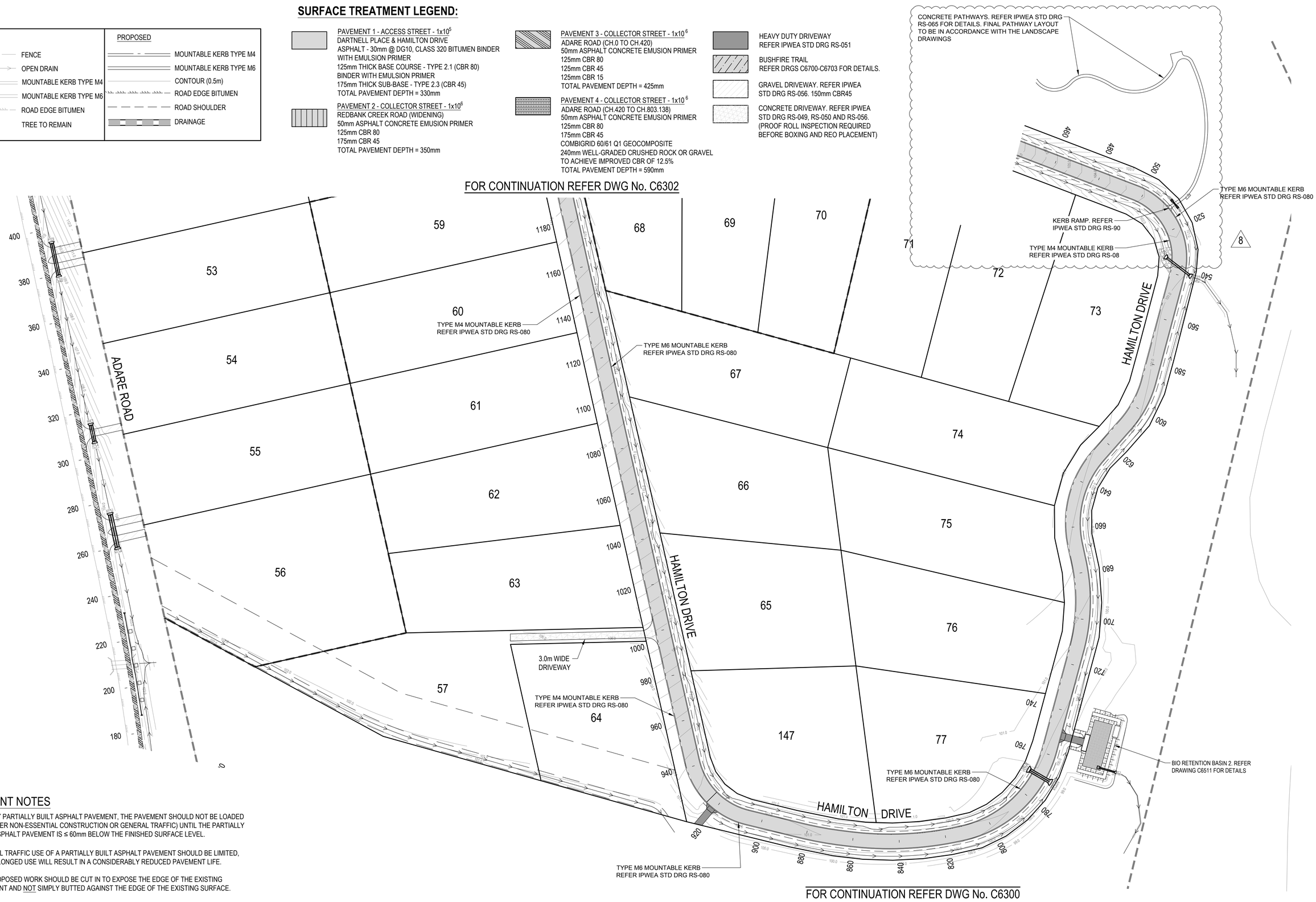
HEAVY DUTY DRIVEWAY
REFER IPWEA STD DRG RS-051

BUSHFIRE TRAIL
REFER DRGS C6700-C6703 FOR DETAILS.

GRAVEL DRIVEWAY. REFER IPWEA STD DRG RS-056. 150mm CBR45

CONCRETE DRIVEWAY. REFER IPWEA STD DRG RS-049, RS-050 AND RS-056. (PROOF ROLL INSPECTION REQUIRED BEFORE BOXING AND REO PLACEMENT)

FOR CONTINUATION REFER DWG No. C6302



FOR CONTINUATION REFER DWG No. C6300

PAVEMENT NOTES

1. FOR ANY PARTIALLY BUILT ASPHALT PAVEMENT, THE PAVEMENT SHOULD NOT BE LOADED (BY EITHER NON-ESSENTIAL CONSTRUCTION OR GENERAL TRAFFIC) UNTIL THE PARTIALLY BUILT ASPHALT PAVEMENT IS ≤ 60mm BELOW THE FINISHED SURFACE LEVEL.
2. GENERAL TRAFFIC USE OF A PARTIALLY BUILT ASPHALT PAVEMENT SHOULD BE LIMITED, AS PROLONGED USE WILL RESULT IN A CONSIDERABLY REDUCED PAVEMENT LIFE.
3. THE PROPOSED WORK SHOULD BE CUT IN TO EXPOSE THE EDGE OF THE EXISTING PAVEMENT AND NOT SIMPLY BUTTED AGAINST THE EDGE OF THE EXISTING SURFACE.

REVISIONS:

No.	REVISION DESCRIPTION	DRAWN	DATE
8	STORMWATER UPDATED	MP	19/01/26
7	PAVEMENT DESIGN UPDATED	MP	07/11/25
6	PAVEMENT DESIGN UPDATED	MP	04/11/25
5	PARK WORKS ADDED	MP	27/10/25
4	UPDATED PAVEMENT DEPTH FOR CONSTRUCTION	CL	10/10/25
3	PAVEMENT DESIGN FOR LVRC APPROVAL	CL	09/10/25
2	PAVEMENT DESIGN FOR LVRC APPROVAL	CL	03/10/25
1	ISSUED FOR MINOR CHANGE	MP	03/07/25
0	ISSUED FOR CONSTRUCTION	MP	13/03/25

PARKLAKE ADARE

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IF IN DOUBT - ASK.

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PO BOX 4107 SPRINGFIELD QLD 4300

SCALE
0 7.5 15 22.5 30 37.5m 75m
SCALE 1:750

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
PAVEMENT PLAN
SHEET 2

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE	
CK	MP		
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1
JOB No.	DRAWING No.		REVISION
BR242036	C6301		8

LEGEND

EXISTING	PROPOSED
FENCE	ROAD EDGE BITUMEN
OPEN DRAIN	MOUNTABLE KERB TYPE M4
MOUNTABLE KERB TYPE M4	MOUNTABLE KERB TYPE M6
MOUNTABLE KERB TYPE M6	CONTOUR (0.5m)
ROAD EDGE BITUMEN	ROAD EDGE BITUMEN
TREE TO REMAIN	ROAD SHOULDER
	DRAINAGE

PAVEMENT NOTES

1. FOR ANY PARTIALLY BUILT ASPHALT PAVEMENT, THE PAVEMENT SHOULD NOT BE LOADED (BY EITHER NON-ESSENTIAL CONSTRUCTION OR GENERAL TRAFFIC) UNTIL THE PARTIALLY BUILT ASPHALT PAVEMENT IS ≤ 60mm BELOW THE FINISHED SURFACE LEVEL.
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3. THE PROPOSED WORK SHOULD BE CUT IN TO EXPOSE THE EDGE OF THE EXISTING PAVEMENT AND NOT SIMPLY BUTTED AGAINST THE EDGE OF THE EXISTING SURFACE.

SURFACE TREATMENT LEGEND:

PAVEMENT 1 - ACCESS STREET - 1x10[5]
DARTNELL PLACE & HAMILTON DRIVE
ASPHALT - 30mm @ DG10, CLASS 320 BITUMEN BINDER WITH EMULSION PRIMER
125mm THICK BASE COURSE - TYPE 2.1 (CBR 80) BINDER WITH EMULSION PRIMER
175mm THICK SUB-BASE - TYPE 2.3 (CBR 45)
TOTAL PAVEMENT DEPTH = 330mm

PAVEMENT 2 - COLLECTOR STREET - 1x10[6]
REDBANK CREEK ROAD (WIDENING)
50mm ASPHALT CONCRETE EMUSION PRIMER
125mm CBR 80
175mm CBR 45
TOTAL PAVEMENT DEPTH = 350mm

PAVEMENT 3 - COLLECTOR STREET - 1x10[6]
ADARE ROAD (CH.0 TO CH.420)
50mm ASPHALT CONCRETE EMUSION PRIMER
125mm CBR 80
125mm CBR 45
125mm CBR 15
TOTAL PAVEMENT DEPTH = 425mm

PAVEMENT 4 - COLLECTOR STREET - 1x10[6]
ADARE ROAD (CH.420 TO CH.803.138)
50mm ASPHALT CONCRETE EMUSION PRIMER
125mm CBR 80
175mm CBR 45
COMBIGRID 60/61 Q1 GEOCOMPOSITE
240mm WELL-GRADED CRUSHED ROCK OR GRAVEL TO ACHIEVE IMPROVED CBR OF 12.5%
TOTAL PAVEMENT DEPTH = 590mm

HEAVY DUTY DRIVEWAY
REFER IPWEA STD DRG RS-051

BUSHFIRE TRAIL
REFER DRGS C6700-C6703 FOR DETAILS.

DRIVEWAY. REFER IPWEA STD DRG RS-056. 150mm CBR45

CONCRETE PATHWAYS. REFER IPWEA STD DRG RS-065 FOR DETAILS. FINAL PATHWAY LAYOUT TO BE IN ACCORDANCE WITH THE LANDSCAPE DRAWINGS

REVISIONS:			
8	STORMWATER UPDATED	MP	19/01/26
7	PAVEMENT DESIGN UPDATED	MP	07/11/25
6	PAVEMENT DESIGN UPDATED	MP	04/11/25
5	PARK WORKS ADDED	MP	24/10/25
4	UPDATED PAVEMENT DEPTH FOR CONSTRUCTION	CL	10/10/25
3	PAVEMENT DESIGN FOR LVRC APPROVAL	CL	09/10/25
2	PAVEMENT DESIGN FOR LVRC APPROVAL	CL	03/10/25
1	ISSUED FOR MINOR CHANGE	MP	03/07/25
0	ISSUED FOR CONSTRUCTION	MP	13/03/25
No.	REVISION DESCRIPTION	DRAWN	DATE

PARKLAKE ADARE

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PARK LAKE ADARE PTY LTD
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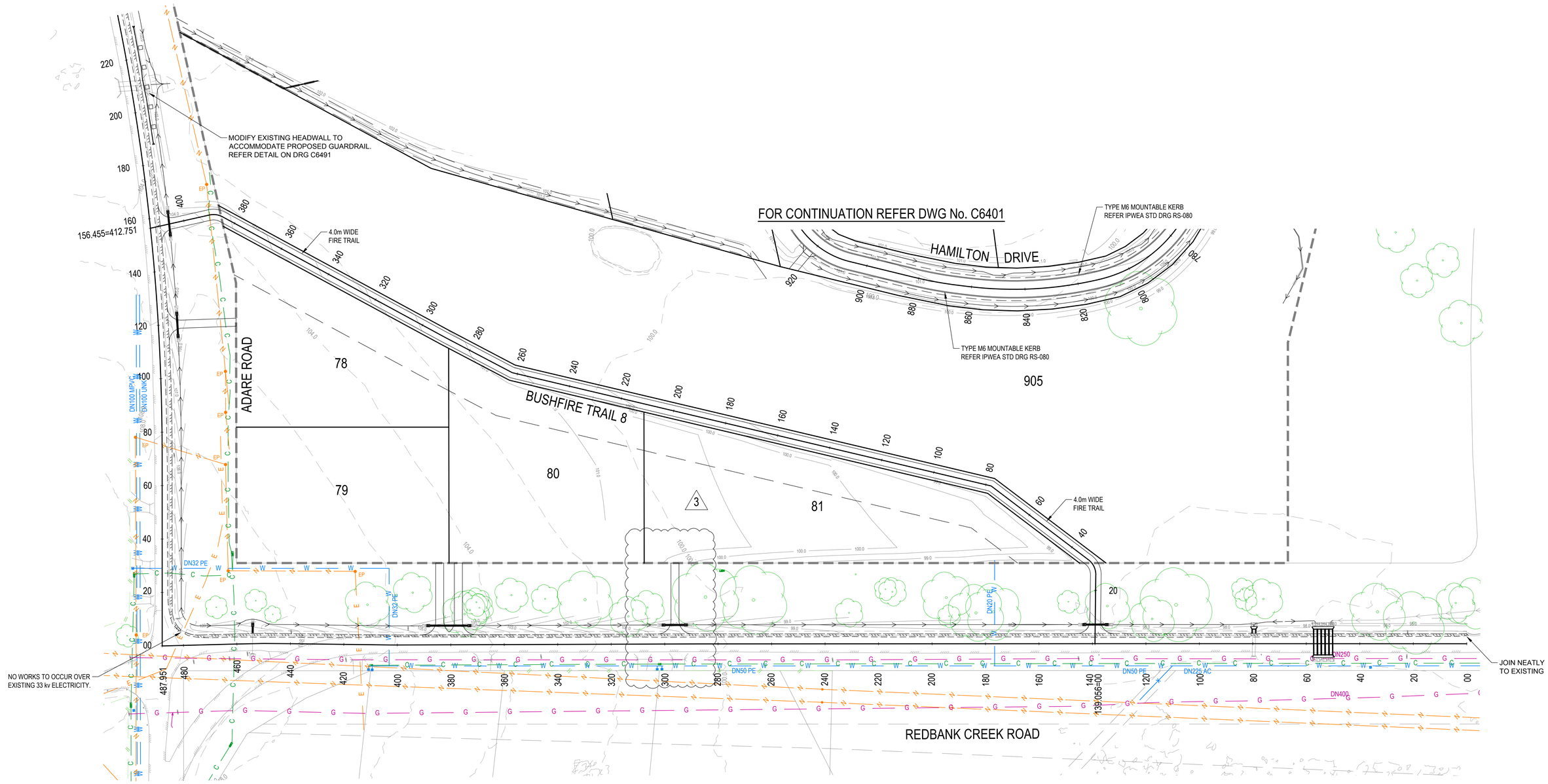
SCALE
0 7.5 15 22.5 30 37.5m 75m
SCALE 1:750

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
PAVEMENT PLAN
SHEET 3

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE	
CK	MP		
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1
JOB No.	DRAWING No.		REVISION
BR242036	C6302		8



LEGEND

EXISTING	PROPOSED
FENCE	OPEN DRAIN
OPEN DRAIN	MOUNTABLE KERB TYPE M4
KERB AND CHANNEL	MOUNTABLE KERB TYPE M6
KERB ONLY	CONTOUR (0.5m)
CONTOUR (1.0m)	ROAD EDGE BITUMEN
ROAD EDGE BITUMEN	ROAD SHOULDER
TREE TO REMAIN	DRAINAGE

SERVICES (PUP) LEGEND

	EXISTING	PROPOSED
COMMUNICATIONS	C(*)	
DRAINAGE	D(*)	
ELECTRICITY	E(*)	E
O/H ELECTRICITY & POLE		
GAS	G(*)	
SEWERAGE	S(*)	S
WATER MAIN	W(*)	W

NOTE
THE NATURAL SLOPE OF ALL LOTS IS FLATTER THAN 10% FOR A MINIMUM OF 80% OF THE TOTAL LOT AREA.

REVISIONS:

No.	REVISION DESCRIPTION	DRAWN	DATE
3	ISSUED FOR CONSTRUCTION - AFTER MINOR APPROVAL	MP	23/10/25
2	LOT 81 DRIVEWAY MOVED	MP	11/09/25
1	ISSUED FOR MINOR CHANGE	MP	20/06/25
0	ISSUED FOR CONSTRUCTION	MP	13/03/25

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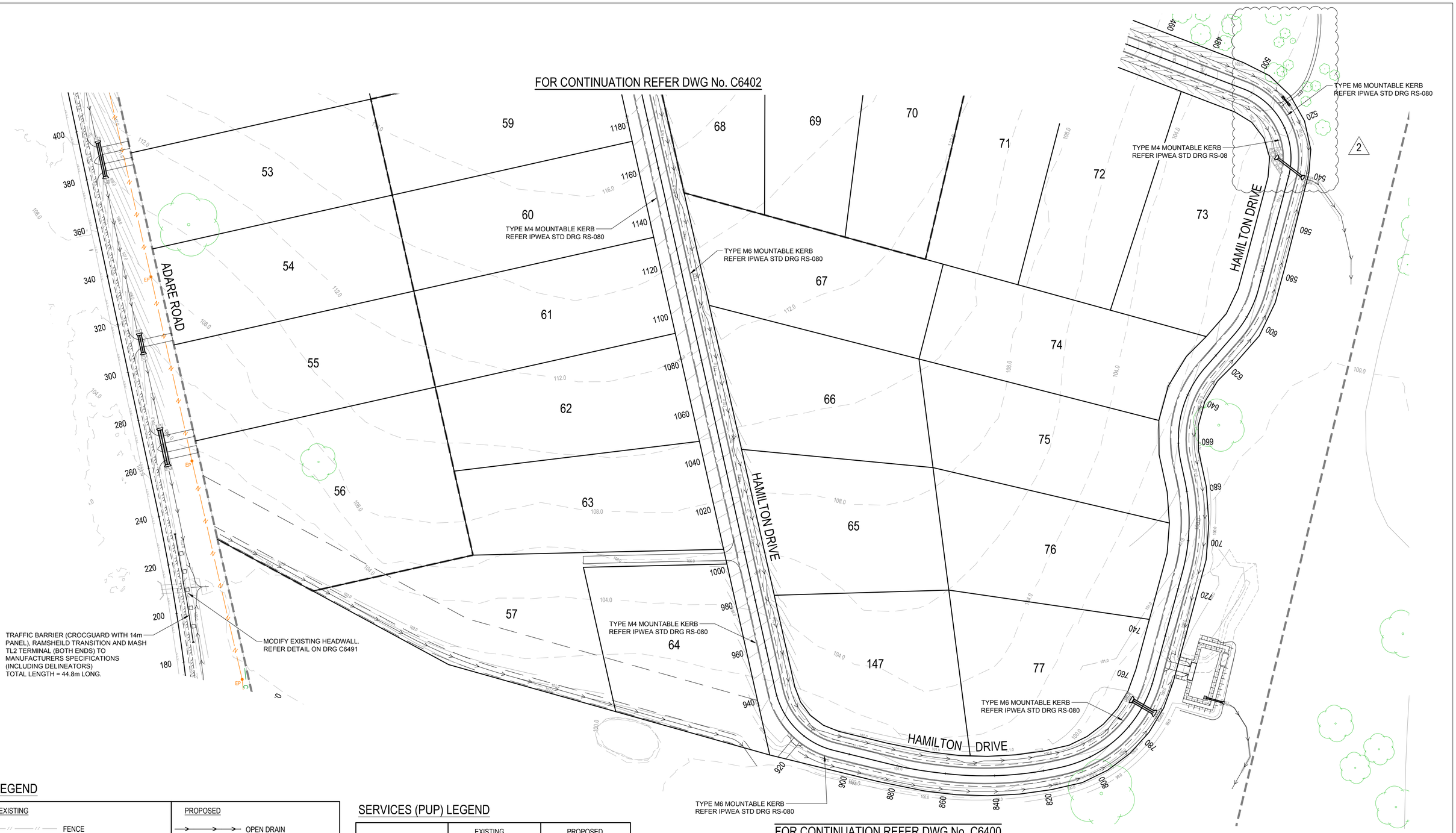
PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

SCALE
0 7.5 15 22.5 30 37.5m 75m
SCALE 1:750

DRAWING TITLE
ROADWORKS PLAN
SHEET 1

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE	
CK	MP		
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1
JOB No.	DRAWING No.		REVISION
BR242036	C6400		3

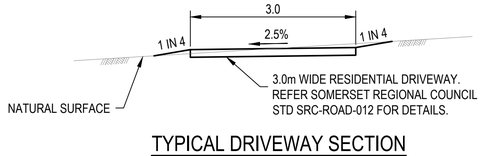


LEGEND

EXISTING	PROPOSED
FENCE	OPEN DRAIN
OPEN DRAIN	MOUNTABLE KERB TYPE M4
KERB AND CHANNEL	MOUNTABLE KERB TYPE M6
KERB ONLY	CONTOUR (0.5m)
CONTOUR (1.0m)	ROAD EDGE BITUMEN
ROAD EDGE BITUMEN	ROAD SHOULDER
TREE TO REMAIN	DRAINAGE

SERVICES (PUP) LEGEND

	EXISTING	PROPOSED
COMMUNICATIONS	C(*)	
DRAINAGE	D(*)	
ELECTRICITY	E(*)	E
O/H ELECTRICITY & POLE		
GAS	G(*)	
SEWERAGE	S(*)	S
WATER MAIN	W(*)	W



TYPICAL DRIVEWAY SECTION
SCALE 1:20

NOTE
THE NATURAL SLOPE OF ALL LOTS IS FLATTER THAN 10% FOR A MINIMUM OF 80% OF THE TOTAL LOT AREA.

0 .1 .2 .3 .4 .5 1m 1.5 2m
SCALE 1:20

REVISIONS:

No.	REVISION DESCRIPTION	DRAWN	DATE
2	STORMWATER UPDATED	MP	19/01/26
1	PARK WORKS ADDED	MP	24/10/25
0	ISSUED FOR CONSTRUCTION	MP	13/03/25

PARKLAKE ADARE

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SCALE
0 7.5 15 22.5 30 37.5m 75m
SCALE 1:750

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
ROADWORKS PLAN
SHEET 2

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE	
CK	MP		
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1
JOB No.	DRAWING No.	REVISION	
BR242036	C6401	2	

LEGEND

EXISTING	PROPOSED
FENCE	OPEN DRAIN
OPEN DRAIN	MOUNTABLE KERB TYPE M4
KERB AND CHANNEL	MOUNTABLE KERB TYPE M6
KERB ONLY	CONTOUR (0.5m)
CONTOUR (1.0m)	ROAD EDGE BITUMEN
ROAD EDGE BITUMEN	ROAD SHOULDER
TREE TO REMAIN	DRAINAGE

SERVICES (PUP) LEGEND

	EXISTING	PROPOSED
COMMUNICATIONS	C(*)	
DRAINAGE	D(*)	
ELECTRICITY	E(*)	E
O/H ELECTRICITY & POLE		
GAS	G(*)	
SEWERAGE	S(*)	S
WATER MAIN	W(*)	W

NOTE
THE NATURAL SLOPE OF ALL LOTS IS FLATTER THAN 10% FOR A MINIMUM OF 80% OF THE TOTAL LOT AREA.

REVISIONS:			
2	STORMWATER UPDATED	MP	19/01/26
1	PARK WORKS ADDED	MP	24/10/25
0	ISSUED FOR CONSTRUCTION	MP	13/03/25
No.	REVISION DESCRIPTION	DRAWN	DATE

PARKLAKE ADARE

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SCALE
0 7.5 15 22.5 30 37.5m 75m
SCALE 1:750

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
ROADWORKS PLAN
SHEET 3

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE	
CK	MP		
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1
JOB No.	DRAWING No.		REVISION
BR242036	C6402		2

INSTALL TYPE 1 LOCKING RAIL TO MAINTENANCE DRIVEWAY. REFER IPWEA STD DRG GS-043 FOR DETAILS.

FOR CONTINUATION REFER DWG No. C6431

HAMILTON DRIVE

LL

LL

BOLLARDS "BROLGA 200mm x 100mm x 1.2m HIGH GREY" AT 1.5m SPACINGS. (ADJACENT TO ALL GREEN SPACE / CONSERVATION AREA)

905

ADARE ROAD

78

W3-1

EXIST. SIGN TO BE RELOCATED

BUSHFIRE TRAIL 8

STOP

79

R1-1

EXIST. SIGN TO BE RELOCATED

80

2

81

GIVE WAY

R1-2

EXIST. SIGN TO BE RELOCATED

80

R4-1-80

EXIST. SIGN TO BE RELOCATED

REMOVE EXISTING GUIDEPOST

RELOCATE EXISTING GUIDEPOST

RELOCATE EXISTING GUIDEPOSTS

REDBANK CREEK ROAD

60

R4-1-60

EXIST. SIGN TO REMAIN

PAVEMENT MARKING LEGEND

LLU	SEPARATION LINE UNBROKEN (150mm)
LL	LANE LINE BROKEN (150mm) 3m LINE, 9m GAP
GWL	GIVE WAY LINE (300mm)

SIGNS LEGEND

1 NEW SIGN

PAVEMENT MARKING NOTES

1. ALL LONGITUDINAL LINES AS PER MUTCD SECTION 5.2.
2. ALL TRANSVERSE LINES AS PER MUTCD SECTION 5.4.
3. DIAGONAL AND CHEVRONS AS PER MUTCD SECTION 5.5.
4. ALL LINEWORK TO HAVE RAISED REFLECTIVE MARKERS INSTALLED AS PER MUTCD SECTION 5.6.
5. PAINT FULL WIDTH EDGE LINE (EL) 200mm FROM EDGE OF BITUMEN AS SHOWN.
6. INSTALL GUIDE POSTS TO EDGE OF BITUMEN ALONG TABLE. DRAINS IN ACCORDANCE WITH TMR STD DRG SD1356.
7. INSTALL GUIDE POSTS TO BOTH SIDES OF ALL DRIVEWAYS.
8. LINEMARKING SHALL BE DULUX ROADMASTER WATER BASED PAVEMENT MARKING OR APPROVED EQUIVALENT.
9. GIVEWAY PAVEMENT MARKING LOCATIONS TO BE IN ACCORDANCE WITH MUTCD.

REVISIONS:

No.	REVISION DESCRIPTION	DRAWN	DATE
2	ISSUED FOR CONSTRUCTION - AFTER MINOR APPROVAL	MP	23/10/25
1	LOT 81 DRIVEWAY MOVED	MP	11/09/25
0	ISSUED FOR CONSTRUCTION	MP	13/03/25

PARKLAKE ADARE

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SCALE
0 7.5 15 22.5 30 37.5m 75m
SCALE 1:750

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
SIGNS AND PAVEMENT MARKING PLAN - SHEET 1

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE
CK	MP	CALVIN KIRK RPEQ 19536

DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1

JOB No.	DRAWING No.	REVISION
BR242036	C6430	2

PAVEMENT MARKING LEGEND

LLU	SEPARATION LINE UNBROKEN (150mm)
LL	LANE LINE BROKEN (150mm) 3m LINE, 9m GAP
GWL	GIVE WAY LINE (300mm)

SIGNS LEGEND

① NEW SIGN

PAVEMENT MARKING NOTES

1. ALL LONGITUDINAL LINES AS PER MUTCD SECTION 5.2.
2. ALL TRANSVERSE LINES AS PER MUTCD SECTION 5.4.
3. DIAGONAL AND CHEVRONS AS PER MUTCD SECTION 5.5.
4. ALL LINEWORK TO HAVE RAISED REFLECTIVE MARKERS INSTALLED AS PER MUTCD SECTION 5.6.
5. PAINT FULL WIDTH EDGE LINE (EL) 200mm FROM EDGE OF BITUMEN AS SHOWN.
6. INSTALL GUIDE POSTS TO EDGE OF BITUMEN ALONG TABLE. DRAINS IN ACCORDANCE WITH TMR STD DRG SD1356.
7. INSTALL GUIDE POSTS TO BOTH SIDES OF ALL DRIVEWAYS.
8. LINEMARKING SHALL BE DULUX ROADMASTER WATER BASED PAVEMENT MARKING OR APPROVED EQUIVALENT.
9. GIVEWAY PAVEMENT MARKING LOCATIONS TO BE IN ACCORDANCE WITH MUTCD.

REVISIONS:

No.	REVISION DESCRIPTION	DRAWN	DATE
2	PATHWAY UPDATED	MP	19/01/26
1	PARK WORKS ADDED	MP	24/10/25
0	ISSUED FOR CONSTRUCTION	MP	13/03/25

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IF IN DOUBT - ASK.

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PO BOX 4107 SPRINGFIELD QLD 4300

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

SCALE
0 7.5 15 22.5 30 37.5m 75m
SCALE 1:750

DRAWING TITLE
SIGNS AND PAVEMENT MARKING PLAN - SHEET 2

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE
CK	MP	CALVIN KIRK RPEQ:19536

DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1

JOB No.	DRAWING No.	REVISION
BR242036	C6431	2

PAVEMENT MARKING LEGEND

LLU	SEPARATION LINE UNBROKEN (150mm)
LL	LANE LINE BROKEN (150mm) 3m LINE, 9m GAP
GWL	GIVE WAY LINE (300mm)

SIGNS LEGEND

1 NEW SIGN

PAVEMENT MARKING NOTES

1. ALL LONGITUDINAL LINES AS PER MUTCD SECTION 5.2.
2. ALL TRANSVERSE LINES AS PER MUTCD SECTION 5.4.
3. DIAGONAL AND CHEVRONS AS PER MUTCD SECTION 5.5.
4. ALL LINEWORK TO HAVE RAISED REFLECTIVE MARKERS INSTALLED AS PER MUTCD SECTION 5.6.
5. PAINT FULL WIDTH EDGE LINE (EL) 200mm FROM EDGE OF BITUMEN AS SHOWN.
6. INSTALL GUIDE POSTS TO EDGE OF BITUMEN ALONG TABLE. DRAINS IN ACCORDANCE WITH TMR STD DRG SD1356.
7. INSTALL GUIDE POSTS TO BOTH SIDES OF ALL DRIVEWAYS.
8. LINEMARKING SHALL BE DULUX ROADMASTER WATER BASED PAVEMENT MARKING OR APPROVED EQUIVALENT.
9. GIVEWAY PAVEMENT MARKING LOCATIONS TO BE IN ACCORDANCE WITH MUTCD.

ADARE ROAD

BUSHFIRE TRAIL 7

INSTALL TYPE 1 LOCKING RAIL TO MAINTENANCE DRIVEWAY. REFER IPWEA STD DRG GS-043 FOR DETAILS.

G9-22-1B

450

600

WARNING
ONSITE DETENTION AREA
STORMWATER MAY RISE
IN THIS AREA
DURING HEAVY RAIN

BASIN FLOOD WARNING SIGN DETAIL
N.T.S.

INSTALL TYPE 1 LOCKING RAIL TO MAINTENANCE DRIVEWAY. REFER IPWEA STD DRG GS-043 FOR DETAILS.

BOLLARDS "BROLGA 200mm x 100mm x 1.2m HIGH GREY" AT 1.5m SPACINGS. (ADJACENT TO ALL GREEN SPACE / CONSERVATION AREA)

DARTNELL PLACE

BOLLARDS "BROLGA 200mm x 100mm x 1.2m HIGH GREY" AT 1.5m SPACINGS. (ADJACENT TO ALL GREEN SPACE / CONSERVATION AREA)

38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 58 59 68 69 70 71 143

R4-1-60
EXIST. SIGN TO BE RELOCATED

W4-3
EXIST. SIGN TO BE RELOCATED

INSTALL DOUBLE STREET NAME SIGN

REMOVE EXISITNG DOUBLE LINE PAVEMENT MARKING (23m LENGTH)

HAMILTON DRIVE

GIVE WAY
R1-2

INSTALL DOUBLE STREET NAME SIGN

INSTALL DOUBLE STREET NAME SIGN

REMOVABLE BOLLARD

BOLLARDS "BROLGA 200mm x 100mm x 1.2m HIGH GREY" AT 1.5m SPACINGS. (ADJACENT TO ALL GREEN SPACE / CONSERVATION AREA)

2

FOR CONTINUATION REFER DWG No. C6431

REVISIONS:			
2	PATHWAY UPDATED	MP	19/01/26
1	PARK WORKS ADDED	MP	24/10/25
0	ISSUED FOR CONSTRUCTION	MP	13/03/25
No.	REVISION DESCRIPTION	DRAWN	DATE

PARKLAKE ADARE

N

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PO BOX 4107 SPRINGFIELD QLD 4300

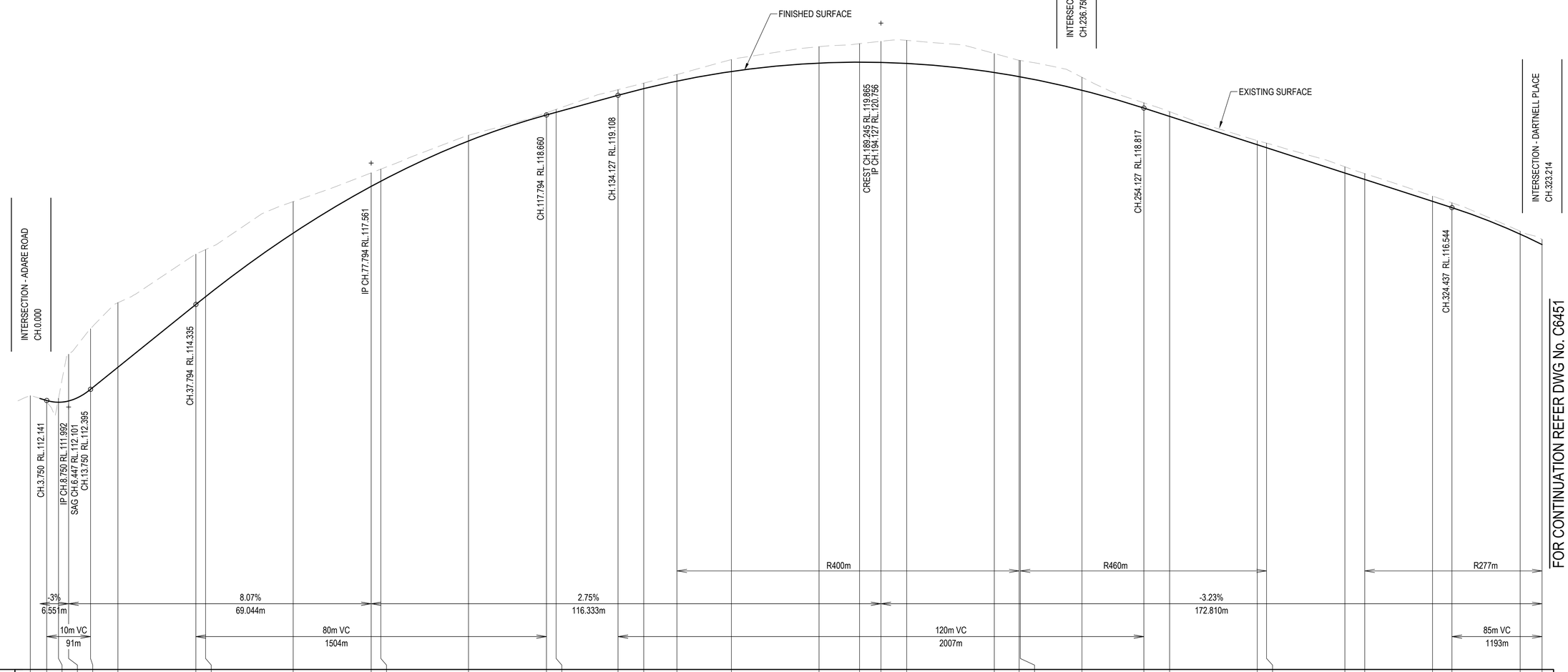
SCALE
0 7.5 15 22.5 30 37.5m 75m
SCALE 1:750

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
SIGNS AND PAVEMENT MARKING PLAN - SHEET 3

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE
CK	MP	CALVIN KIRK RPEQ:19536
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1
JOB No.		DRAWING No.	REVISION
BR242036		C6432	2



Horiz Curve Data: R400m; R460m; R277m

Vertical Geometry Grade (%): -3%; 8.07%; 2.75%; -3.23%

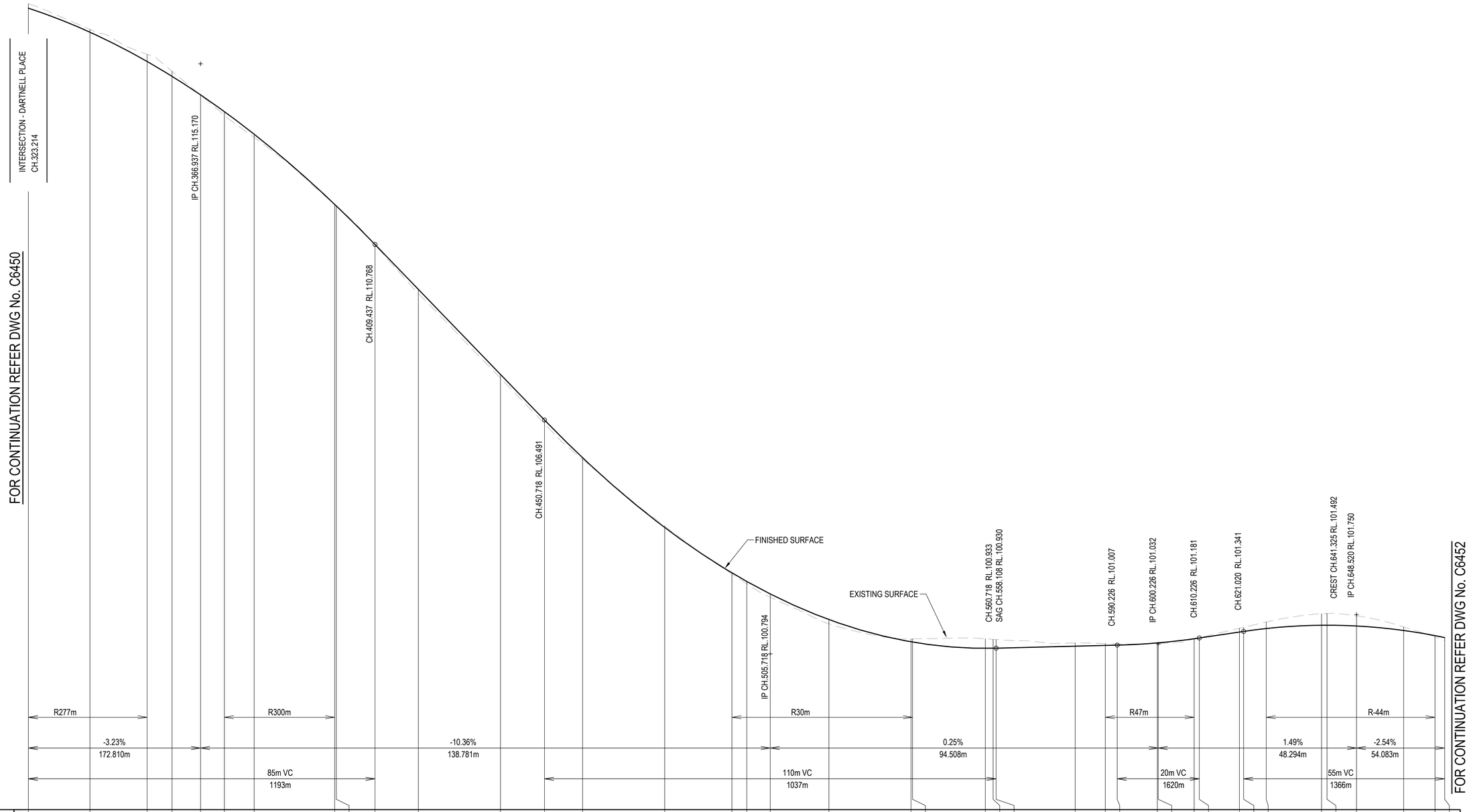
Vertical Grade Length (m): 6.551m; 69.044m; 116.333m; 172.810m

Vertical Curve Length (m): 10m VC; 80m VC; 120m VC; 85m VC

Vertical Curve Radius (m): 91m; 1504m; 2007m; 1193m

DATUM R.L.106.000

| | | |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INTERSECTION - DARTNELL PLACE
CH.323.214
IP CH.366.937 RL.115.170
CH.409.437 RL.110.768
CH.450.718 RL.106.491
FINISHED SURFACE
EXISTING SURFACE
IP CH.505.718 RL.100.794
CH.560.718 RL.100.933
SAG CH.588.108 RL.100.930
CH.590.226 RL.101.007
IP CH.600.226 RL.101.032
CH.610.226 RL.101.181
CH.621.020 RL.101.341
CREST CH.641.325 RL.101.492
IP CH.648.520 RL.101.750
FOR CONTINUATION REFER DWG No. C6452

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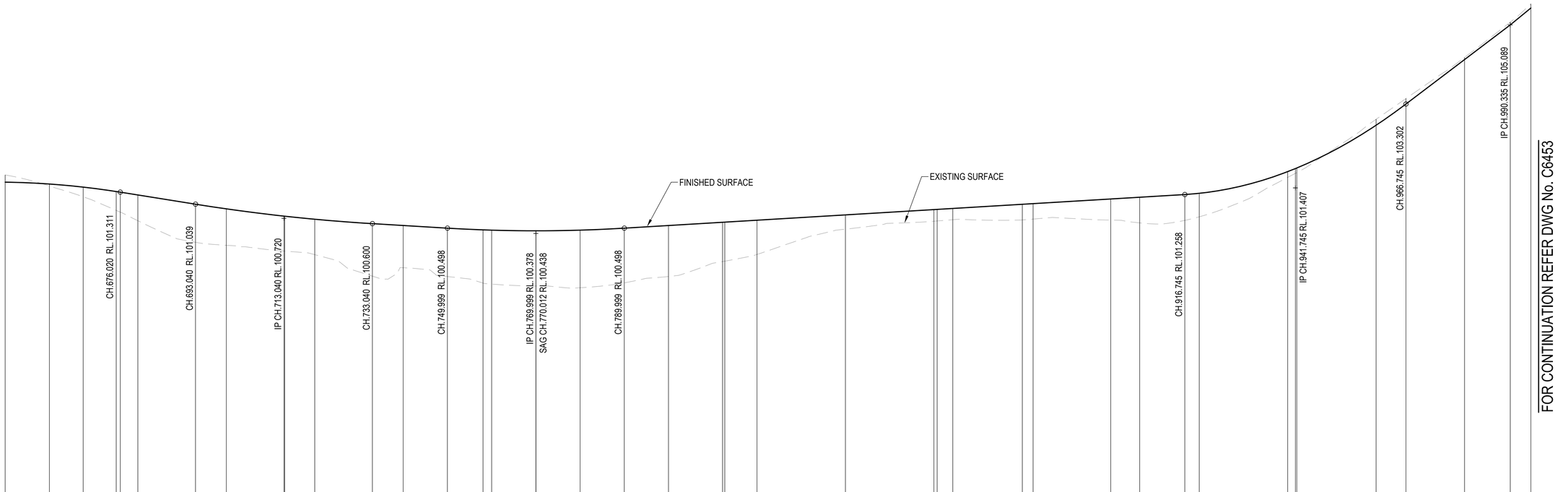
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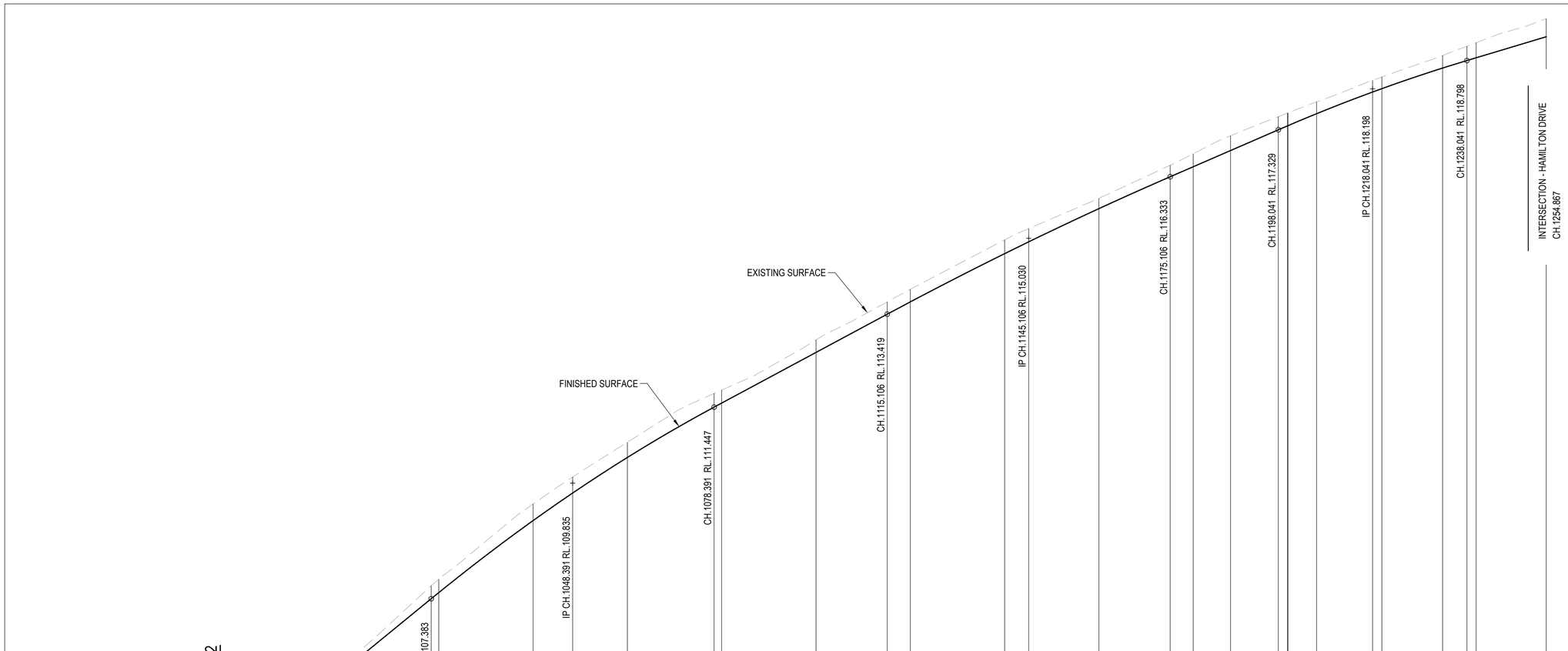
CH.676.020 RL.101.311
CH.693.040 RL.101.039
IP CH.713.040 RL.100.720
CH.733.040 RL.100.600
CH.749.999 RL.100.498
IP CH.769.999 RL.100.378
SAG CH.770.012 RL.100.438
CH.789.999 RL.100.498
FINISHED SURFACE
EXISTING SURFACE
CH.916.745 RL.101.258
IP CH.941.745 RL.101.407
CH.966.745 RL.103.302
IP CH.990.335 RL.105.089
FOR CONTINUATION REFER DWG No. C6453

| | | |



DATUM R.L.100.000

NATURAL SURFACE LEVELS	103.996	104.354	105.151	105.997	107.658	107.798	109.392	109.964	110.703	111.737	111.808	112.872	113.680	113.945	114.995	115.235	115.875	116.577	116.822	117.203	117.608	117.685	117.688	117.921	118.379	118.450	118.906	119.102	119.177	119.687
CUT / FILL DEPTH	-0.069	-0.048	-0.062	-0.118	-0.275	-0.284	-0.351	-0.339	-0.323	-0.290	-0.275	-0.264	-0.261	-0.266	-0.292	-0.282	-0.218	-0.243	-0.277	-0.313	-0.279	-0.271	-0.271	-0.250	-0.248	-0.248	-0.267	-0.304	-0.320	-0.384
DESIGN SURFACE LEVELS	103.927	104.306	105.089	105.879	107.383	107.514	109.040	109.625	110.380	111.447	111.533	112.607	113.419	113.679	114.703	114.953	115.657	116.333	116.546	116.889	117.329	117.414	117.417	117.671	118.131	118.202	118.639	118.798	118.857	119.303
CHAINAGE	975.000	980.000	990.335	1000.000	1018.391	1020.000	1040.000	1048.391	1060.000	1078.391	1080.000	1100.000	1115.106	1120.000	1140.000	1145.106	1160.000	1175.106	1180.000	1187.912	1198.041	1200.000	1200.082	1206.151	1218.041	1220.000	1232.885	1238.041	1240.000	1254.867

LONGITUDINAL SECTION - HAMILTON DRIVE

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:50

0 10 20 30 40 50m
SCALE 1:500 (HORIZONTAL)

0 1 2 3 4 5m
SCALE 1:50 (VERTICAL)

REVISIONS:

No.	REVISION DESCRIPTION	DRAWN	DATE
0	ISSUED FOR CONSTRUCTION	MP	13/03/25

PARKLAKE ADARE

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PO BOX 4107 SPRINGFIELD QLD 4300

SCALE

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

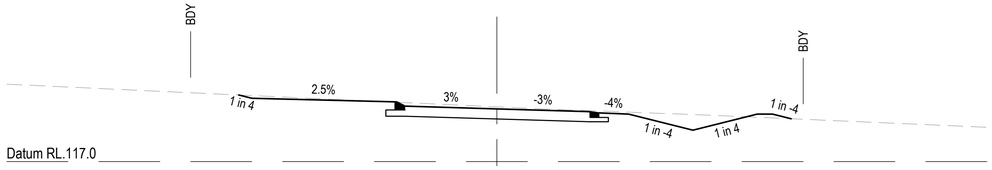
DRAWING TITLE
ROAD LONGITUDINAL SECTION
HAMILTON DRIVE - SHEET 4

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

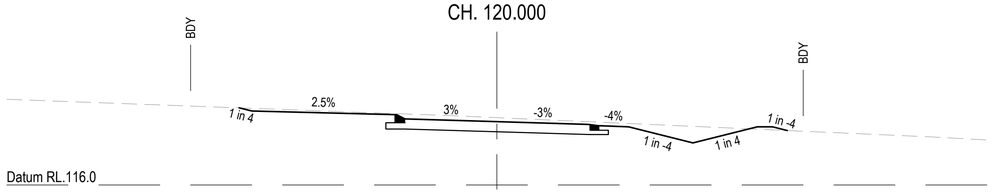
PROJECT LEADER	DESIGNER	SIGNATURE
CK	MP	CALVIN KIRK RPEQ:19536

DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1

JOB No.	DRAWING No.	REVISION
BR242036	C6453	0



CH. 120.000



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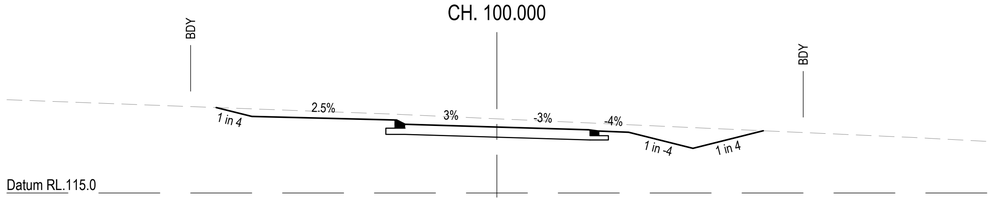
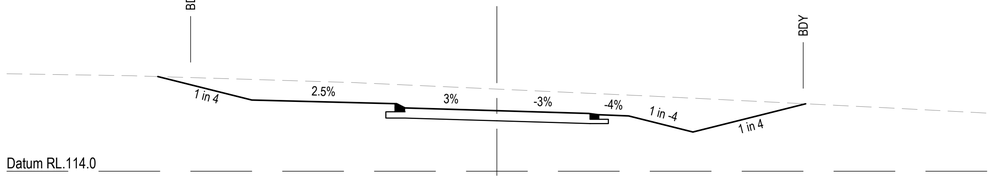


CH. 80.000



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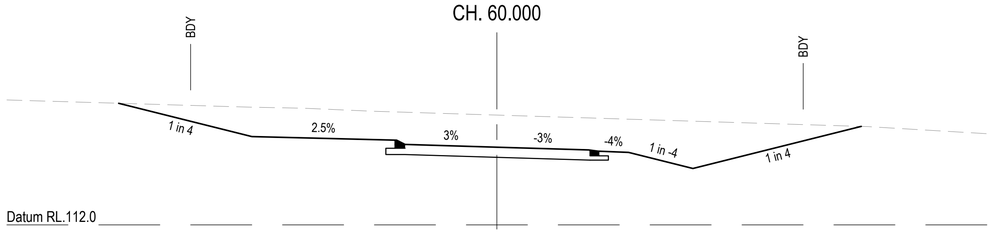

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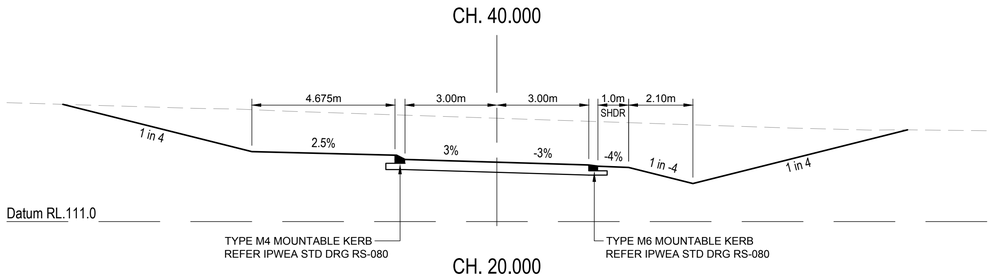
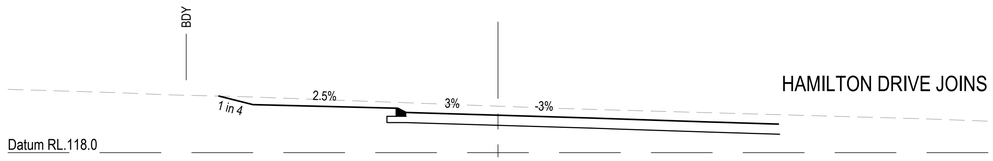


CH. 20.000

HAMILTON DRIVE JOINS



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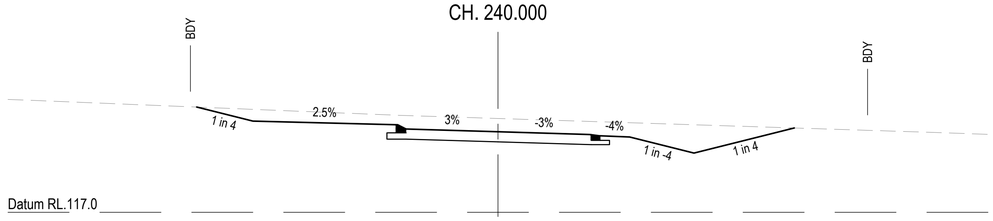

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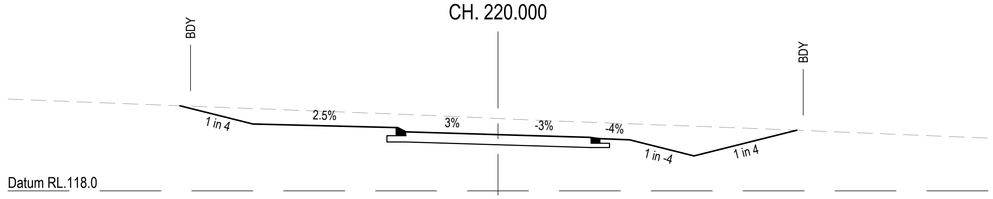

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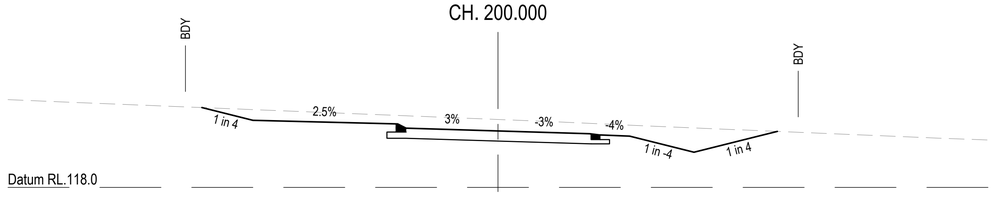

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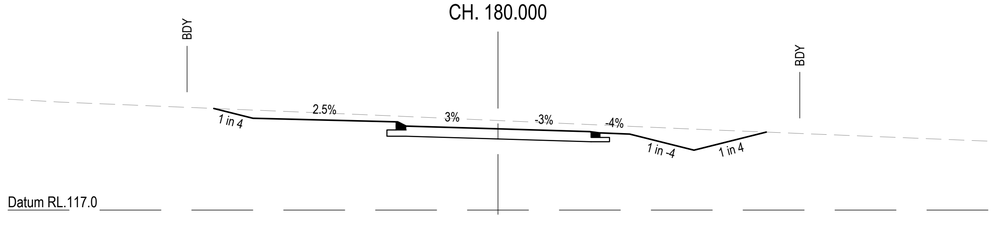

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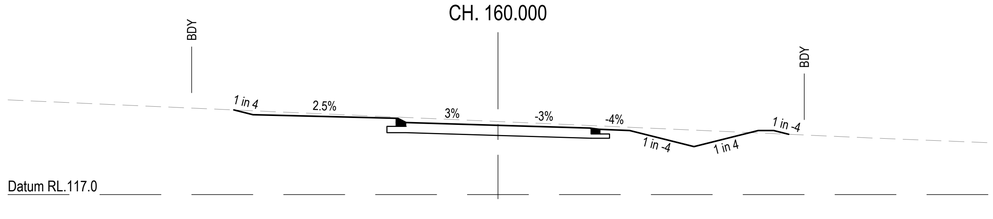

CH. 140.000

REVISIONS:

No.	REVISION DESCRIPTION	DRAWN	DATE
0	ISSUED FOR CONSTRUCTION	MP	13/03/25

PARKLAKE ADARE

van der Meer Consulting
van der meer
LEVEL 3, 51 ALFRED STREET
FORTITUDE VALLEY QLD 4006
Telephone +61 7 3021 6600
www.vandermeer.com.au
van der Meer (QLD) Pty Ltd
A.B.N. 63 609 812 615

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PO BOX 4107 SPRINGFIELD QLD 4300

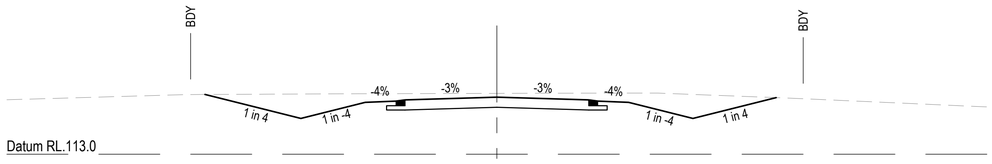
SCALE
0 1 2 3 4 5m 10m
SCALE 1:100

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
ROAD CROSS SECTIONS
HAMILTON DRIVE - SHEET 1

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE
CK	MP	CALVIN KIRK RPEQ:19536
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1
JOB No.	DRAWING No.	REVISION
BR242036	C6454	0



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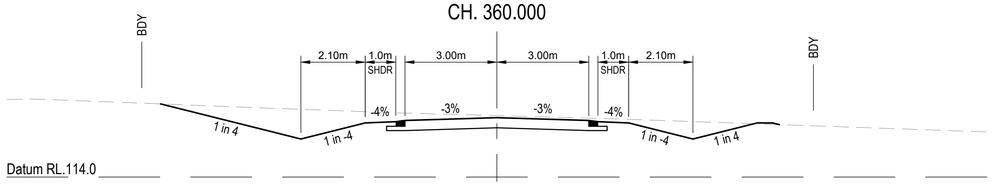

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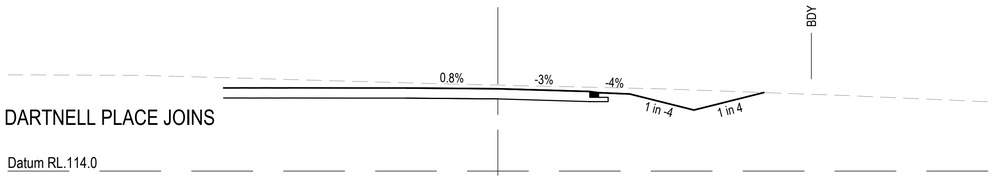

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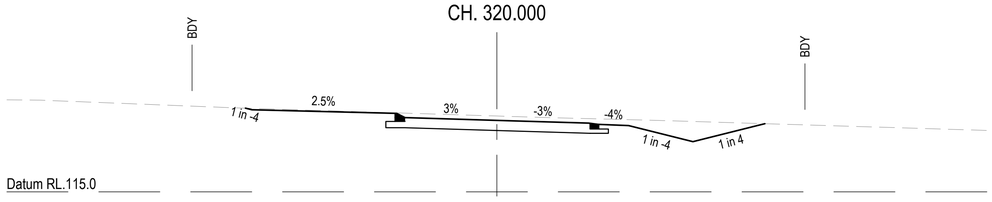

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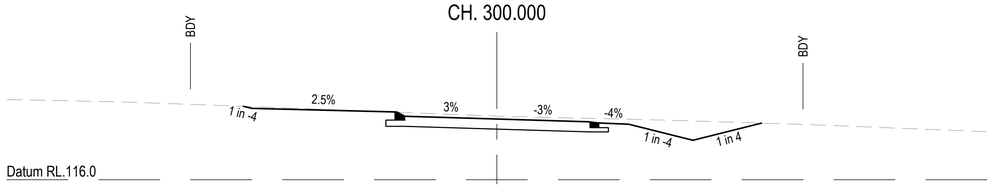

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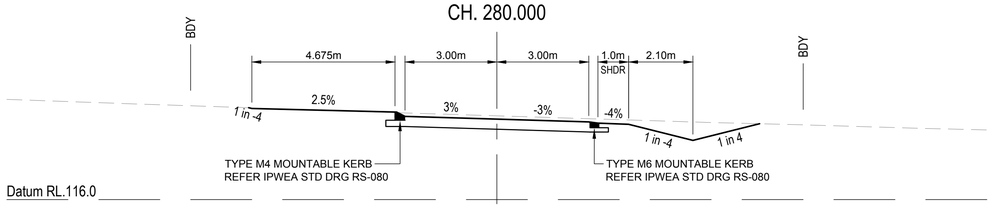

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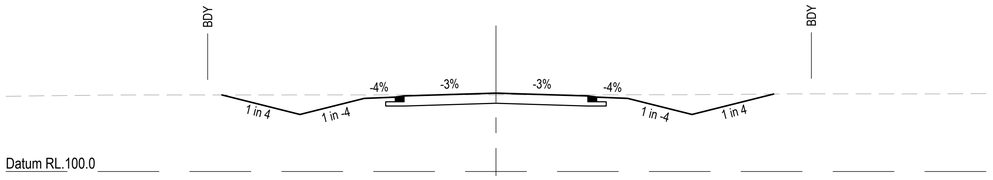

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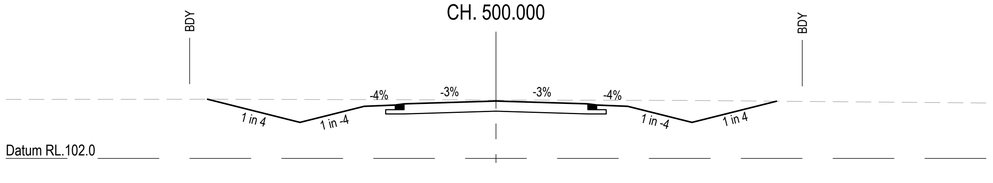

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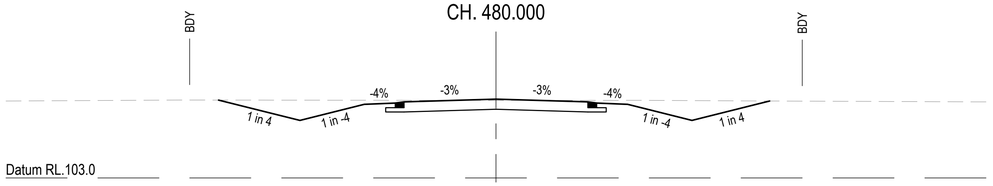

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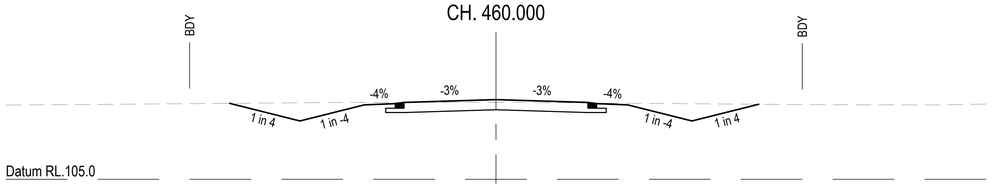

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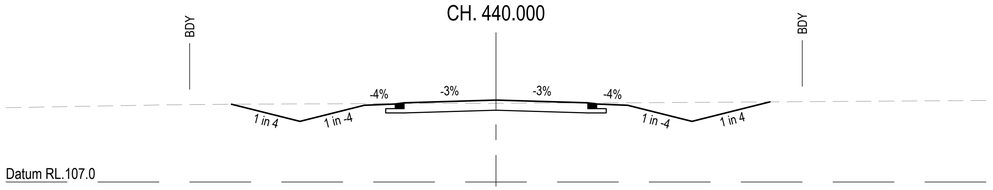

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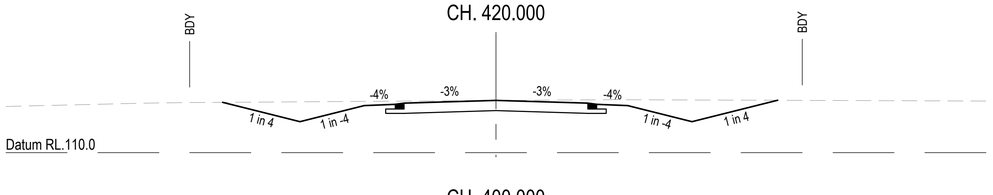

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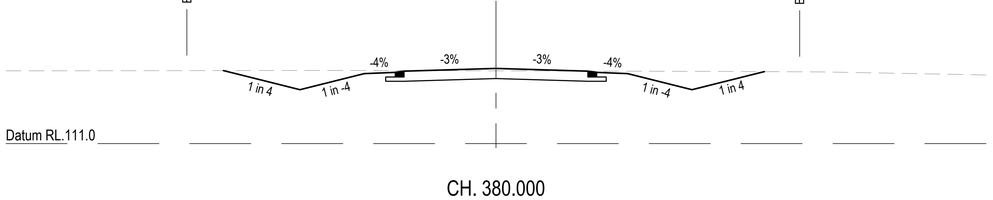

CH. 380.000

REVISIONS:			
0	ISSUED FOR CONSTRUCTION	MP	13/03/25
No.	REVISION DESCRIPTION	DRAWN	DATE

PARKLAKE ADARE

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van der meer
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PO BOX 4107 SPRINGFIELD QLD 4300

SCALE
0 1 2 3 4 5m 10m
SCALE 1:100

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

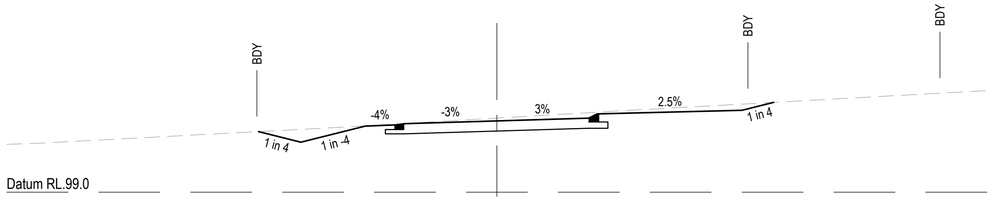
DRAWING TITLE
ROAD CROSS SECTIONS
HAMILTON DRIVE - SHEET 2

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

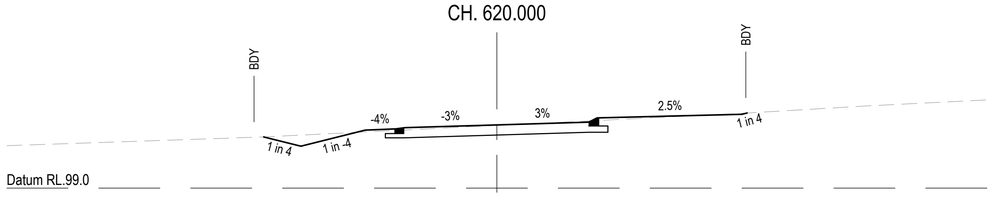
PROJECT LEADER	DESIGNER	SIGNATURE
CK	MP	CALVIN KIRK RPEQ:19536

DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1

JOB No.	DRAWING No.	REVISION
BR242036	C6455	0



CH. 620.000



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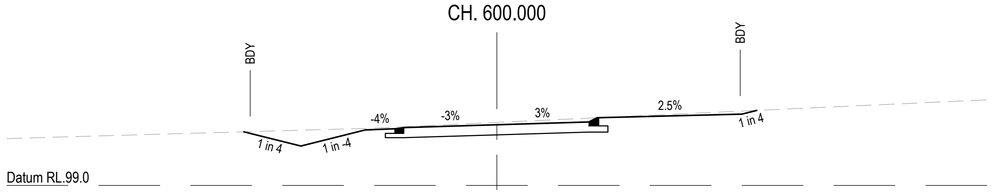

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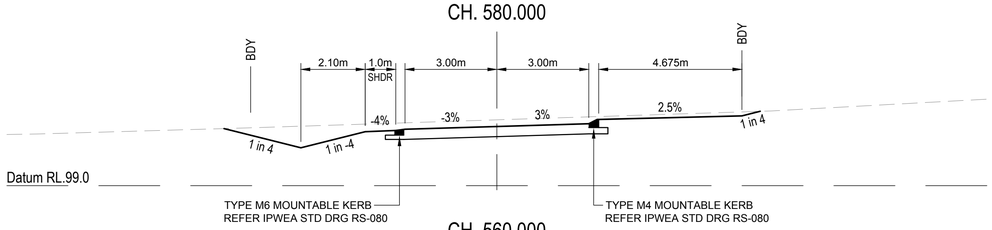

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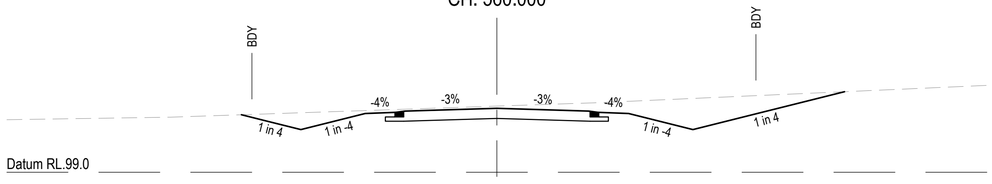

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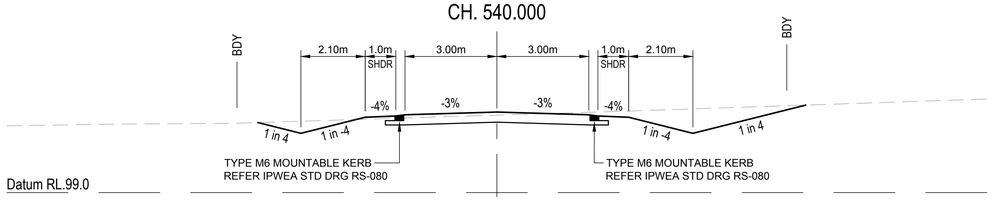

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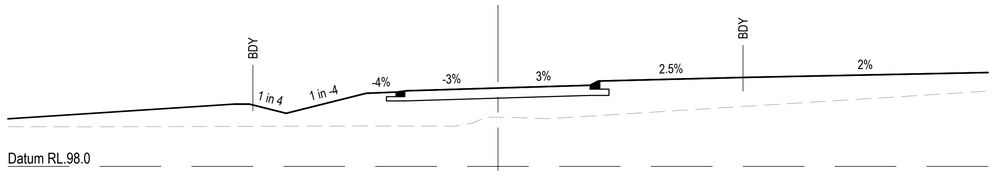

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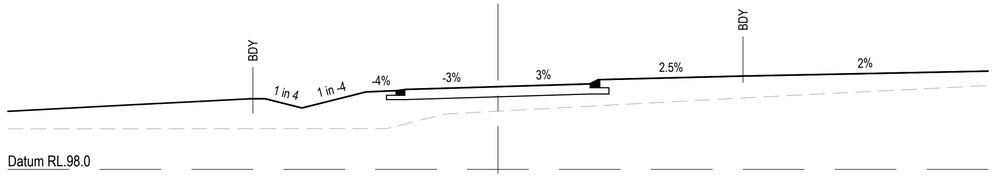

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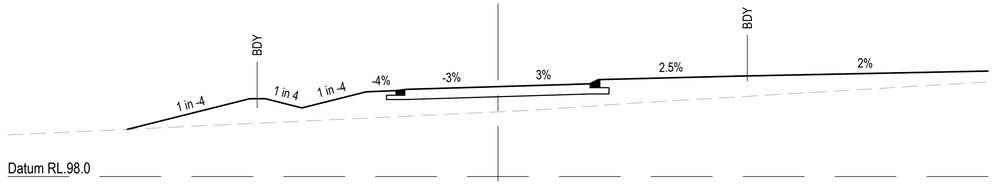

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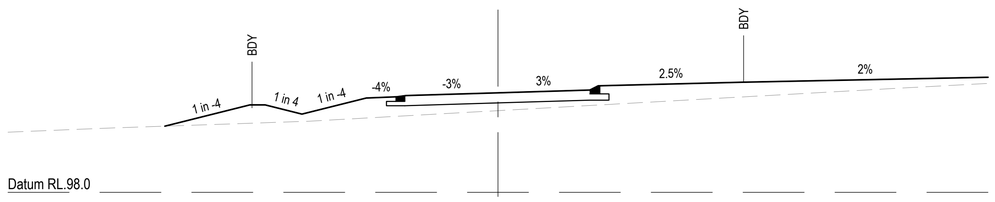

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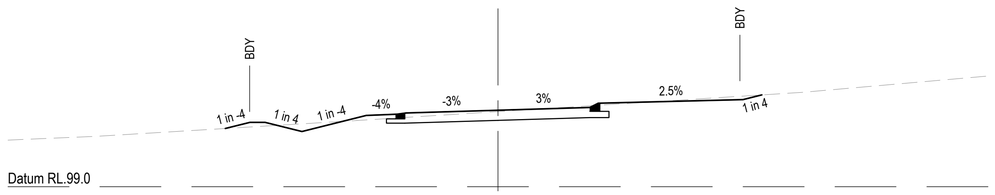

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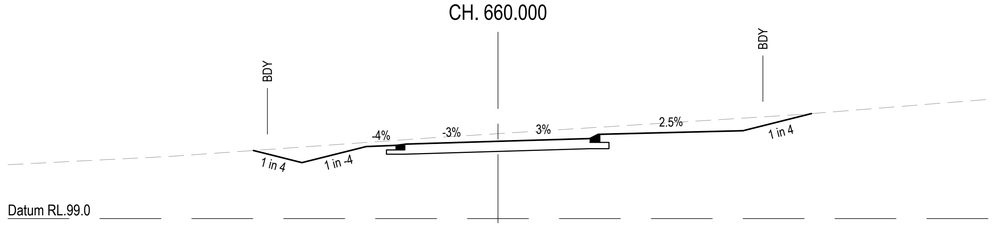

CH. 640.000

REVISIONS:

No.	REVISION DESCRIPTION	DRAWN	DATE
0	ISSUED FOR CONSTRUCTION	MP	13/03/25

PARKLAKE ADARE

van der Meer Consulting
van der meer
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PO BOX 4107 SPRINGFIELD QLD 4300

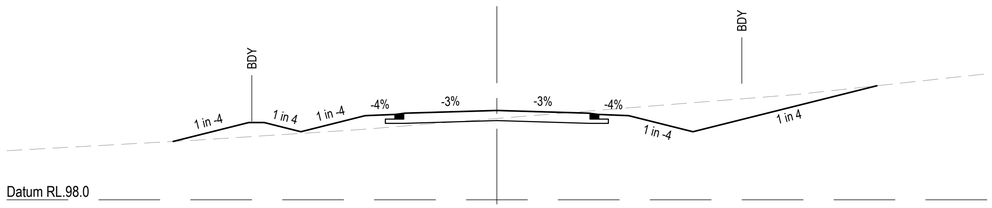
SCALE
0 1 2 3 4 5m 10m
SCALE 1:100

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
ROAD CROSS SECTIONS
HAMILTON DRIVE - SHEET 3

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE	
CK	MP	CALVIN KIRK RPEQ:19536	
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1
JOB No.		DRAWING No.	REVISION
BR242036		C6456	0



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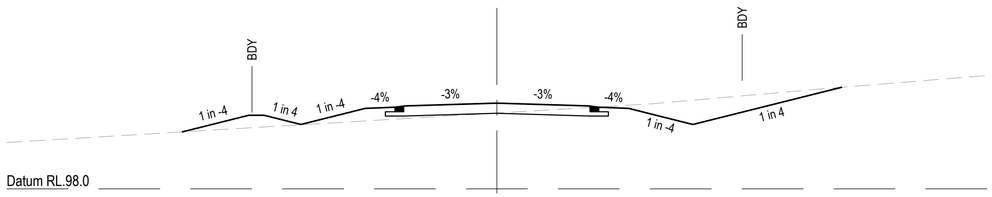

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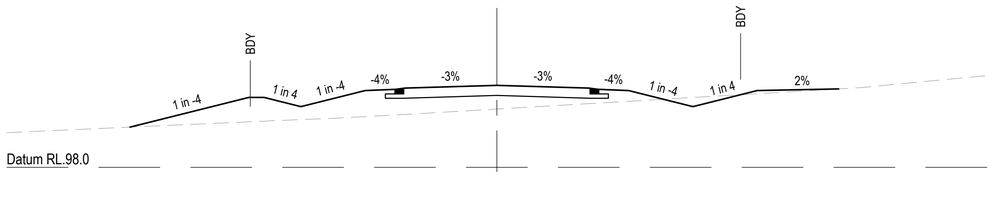

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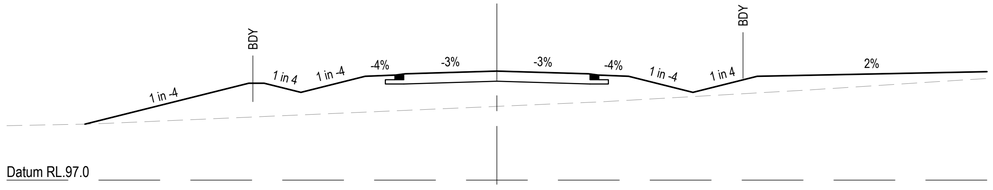

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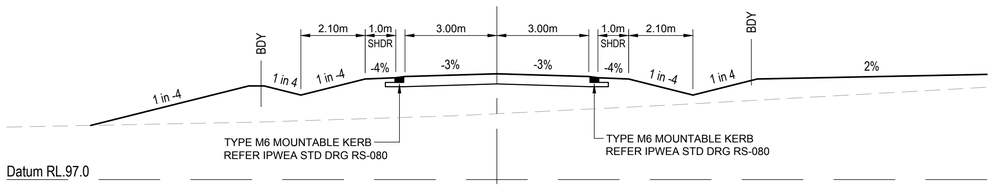

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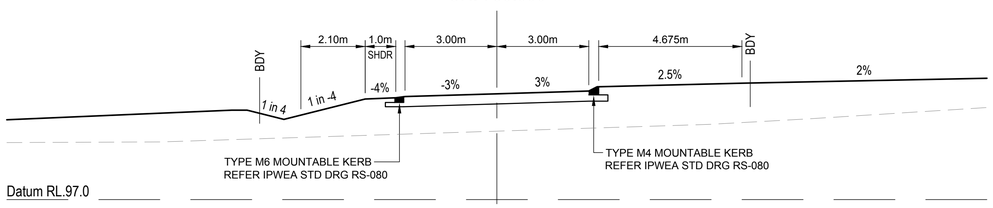

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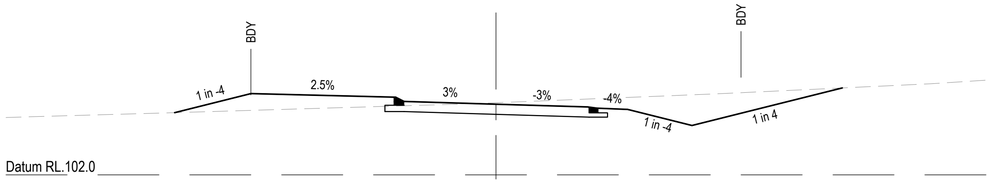

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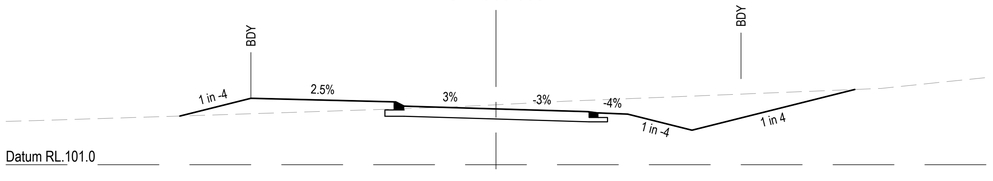

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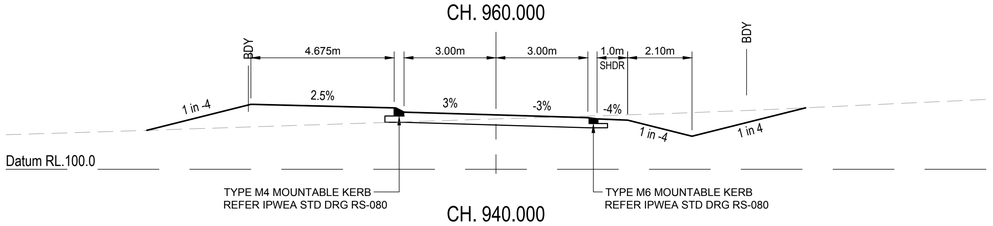

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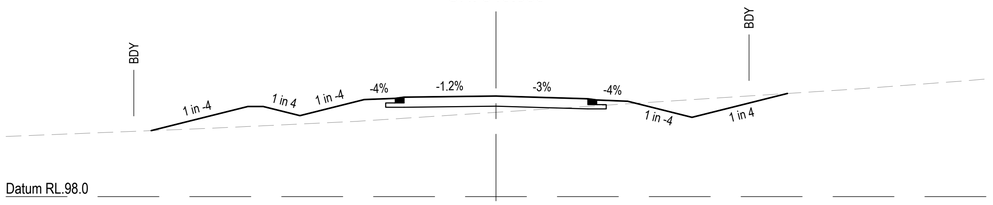

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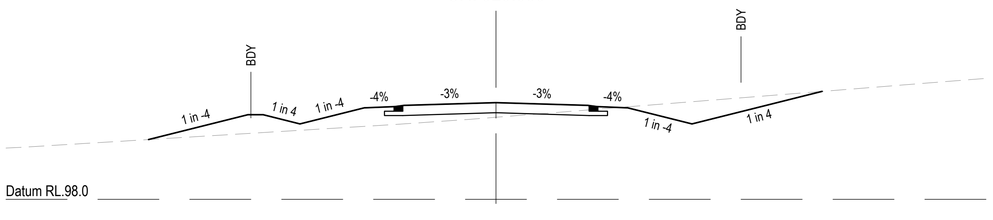

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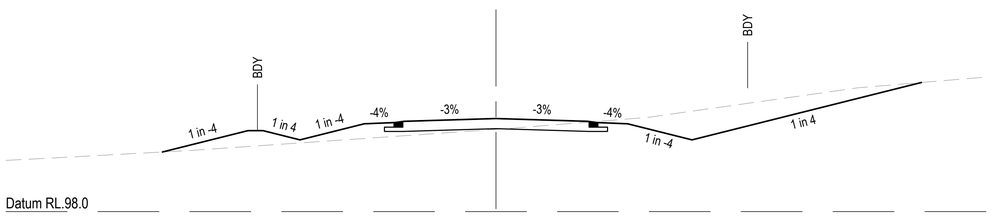

CH. 880.000

REVISIONS:			
0	ISSUED FOR CONSTRUCTION	MP	13/03/25
No.	REVISION DESCRIPTION	DRAWN	DATE

PARKLAKE ADARE

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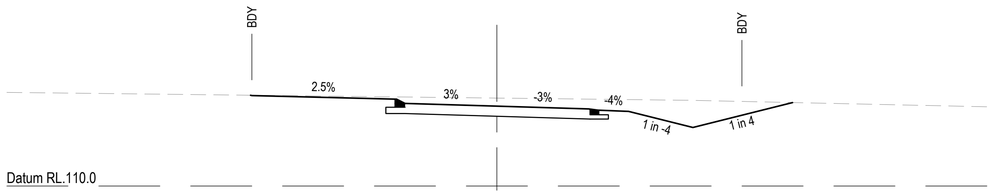
SCALE
0 1 2 3 4 5m 10m
SCALE 1:100

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
ROAD CROSS SECTIONS
HAMILTON DRIVE - SHEET 5

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE	
CK	MP	CALVIN KIRK RPEQ.19536	
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1
JOB No.		DRAWING No.	REVISION
BR242036		C6458	0



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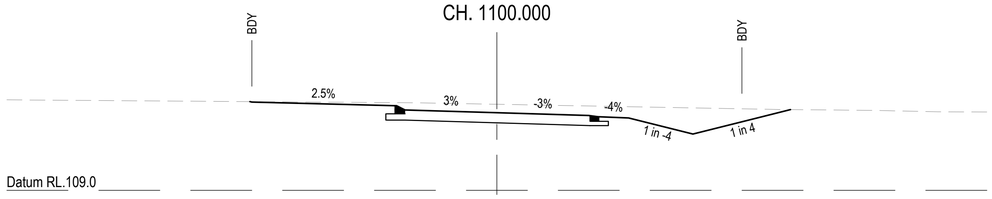

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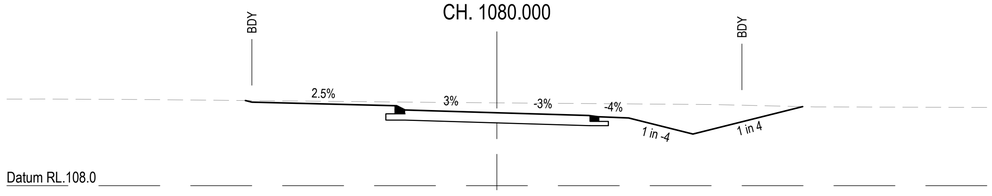

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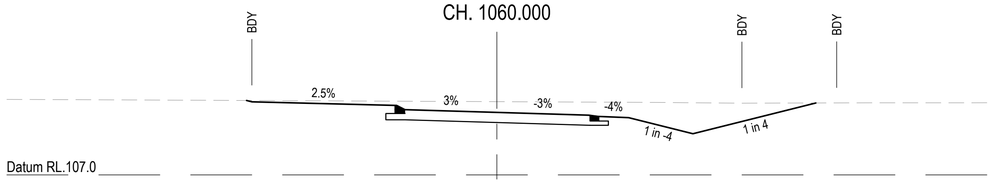

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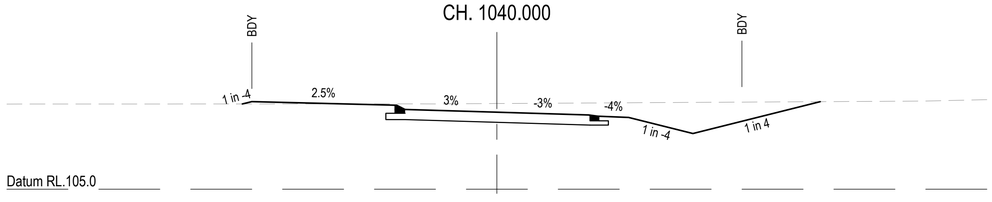

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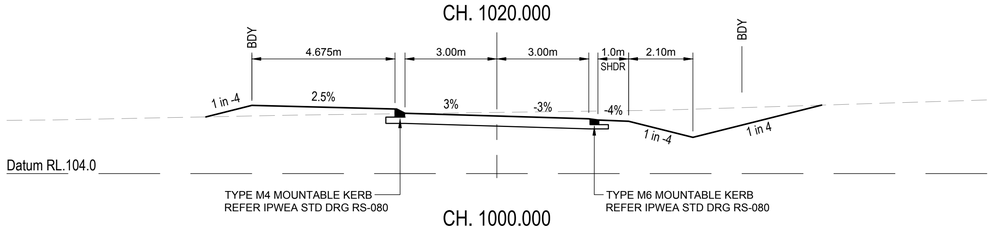

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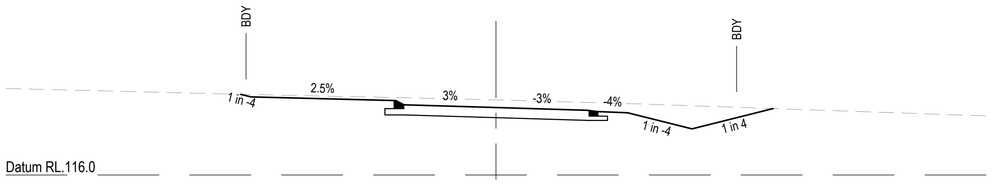

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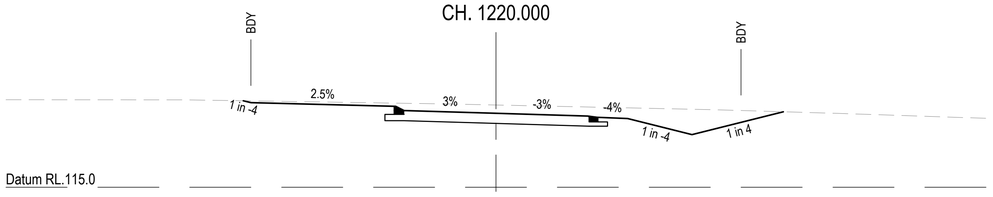

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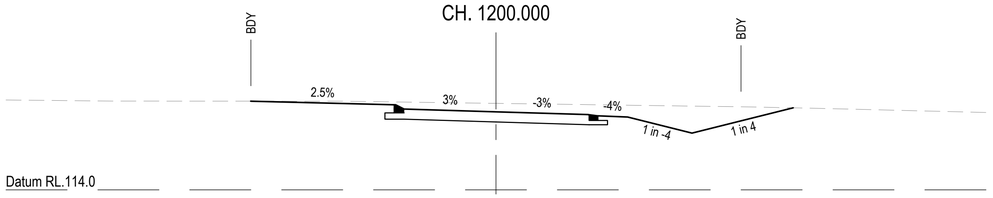

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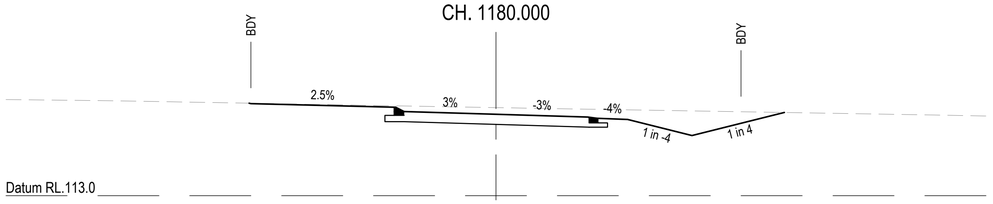

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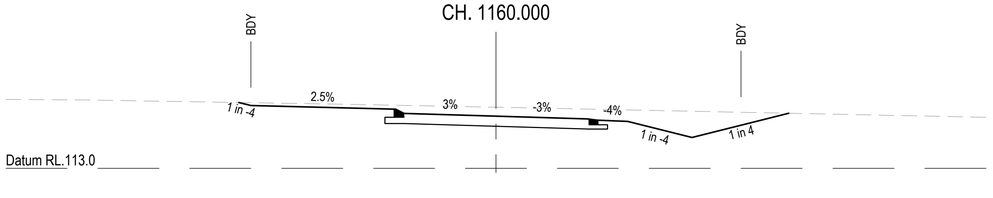

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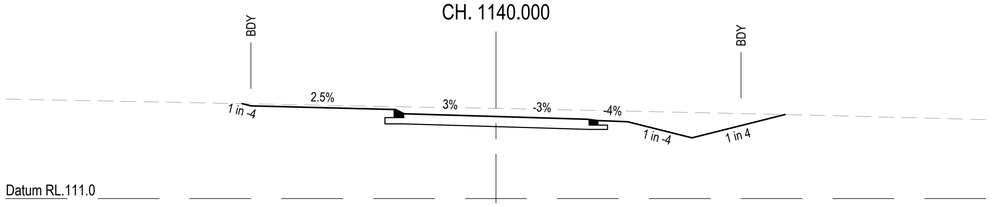

CH. 1120.000

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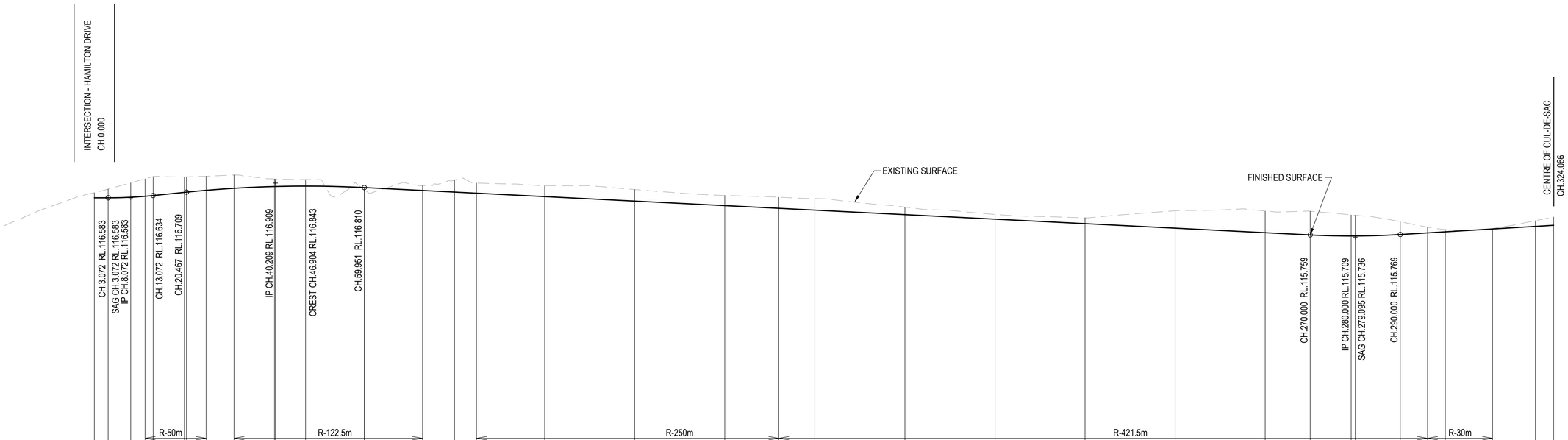
SCALE
0 1 2 3 4 5m 10m
SCALE 1:100

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
ROAD CROSS SECTIONS
HAMILTON DRIVE - SHEET 5

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE	
CK	MP	CALVIN KIRK RPEQ:19536	
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1
JOB No.		DRAWING No.	REVISION
BR242036		C6458	0


INTERSECTION - HAMILTON DRIVE
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EXISTING SURFACE
FINISHED SURFACE
CENTRE OF CUL-DE-SAC
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CH.3.072 RL.116.583
SAG CH.3.072 RL.116.583
IP CH.8.072 RL.116.583
CH.13.072 RL.116.634
CH.20.467 RL.116.709
IP CH.40.209 RL.116.909
CREST CH.46.904 RL.116.843
CH.59.951 RL.116.810
CH.270.000 RL.115.759
IP CH.280.000 RL.115.709
SAG CH.279.095 RL.115.736
CH.290.000 RL.115.769
Horiz Curve Data
R-50m
R-122.5m
R-250m
R-421.5m
R-30m
Vertical Geometry Grade (%)
0%
1.01%
-0.5%
0.6%
Vertical Grade Length (m)
8.072m
32.137m
239.791m
44.068m
Vertical Curve Length (m)
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20m VC
Vertical Curve Radius (m)
986m
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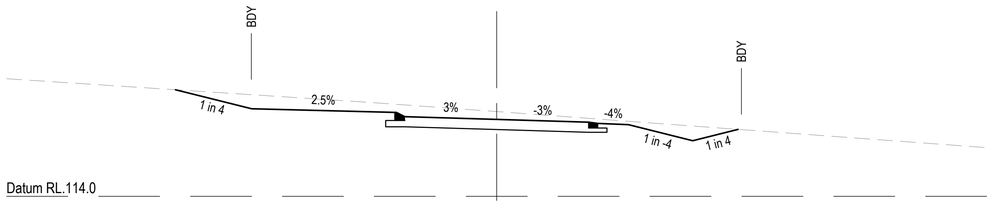
DATUM R.L.109.000

| | | |



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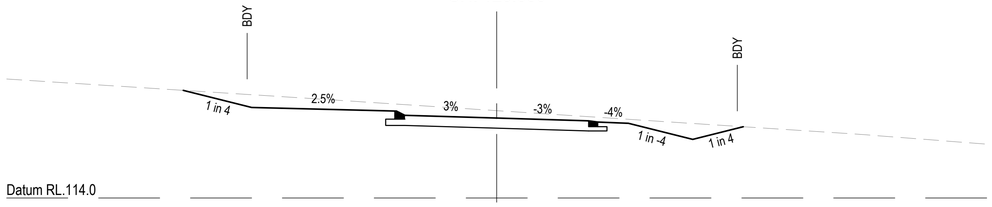

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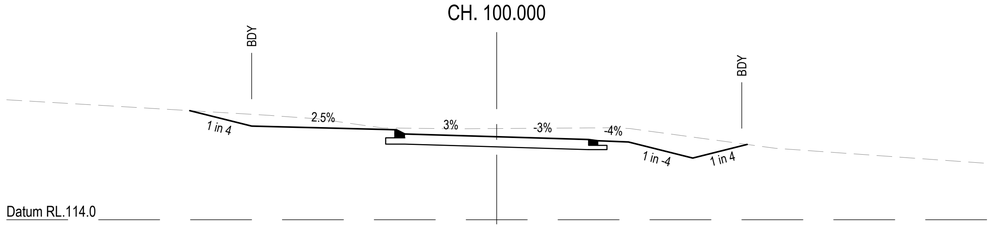

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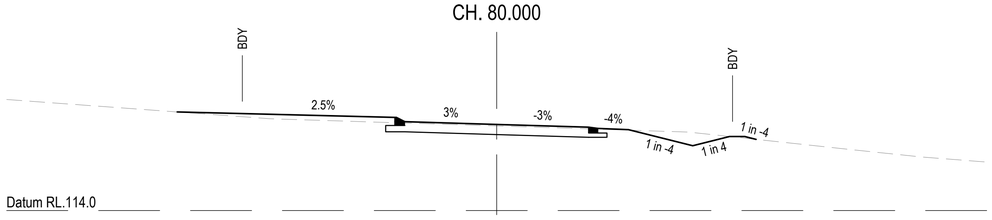

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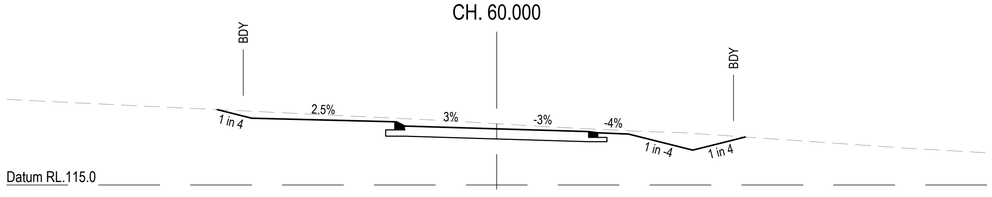

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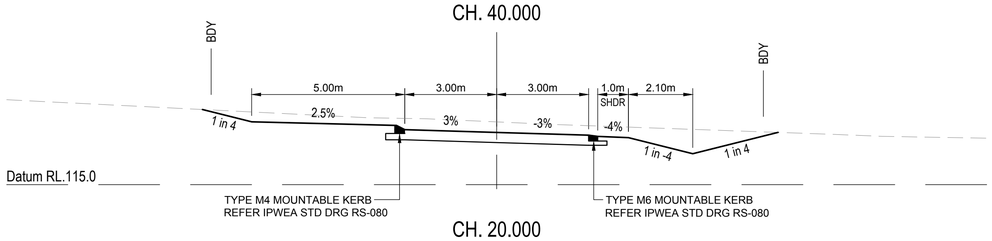

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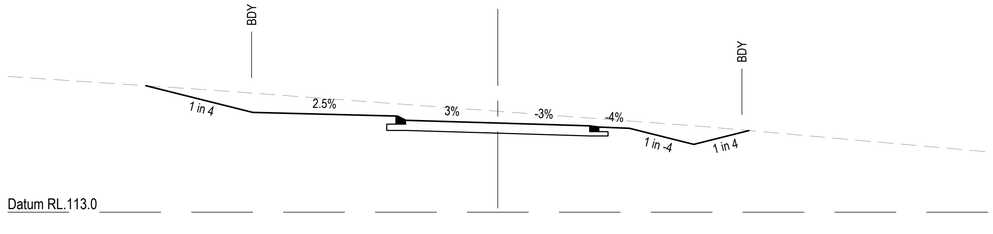

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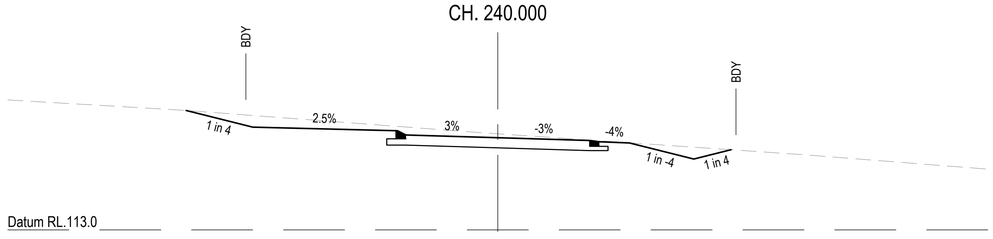

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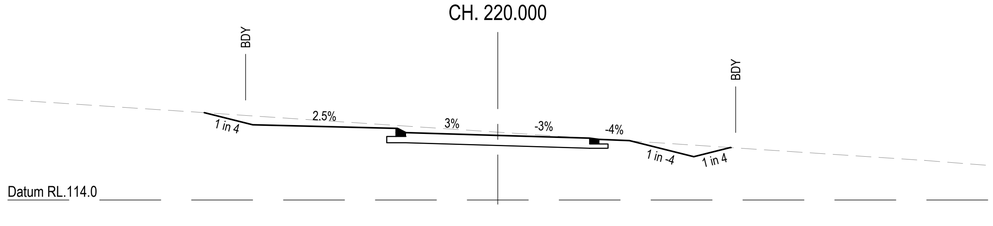

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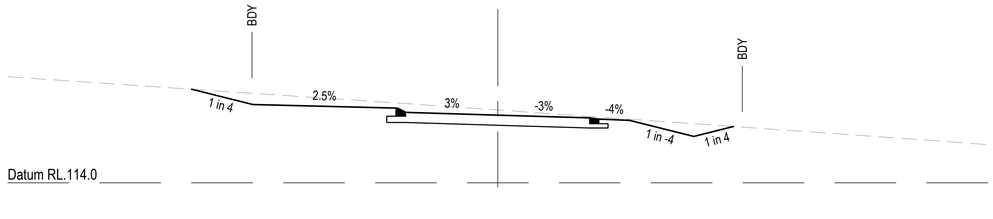

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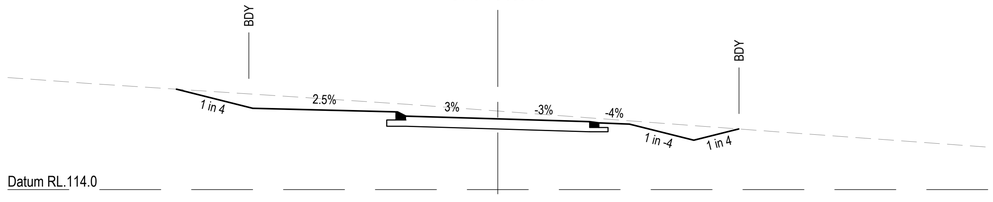

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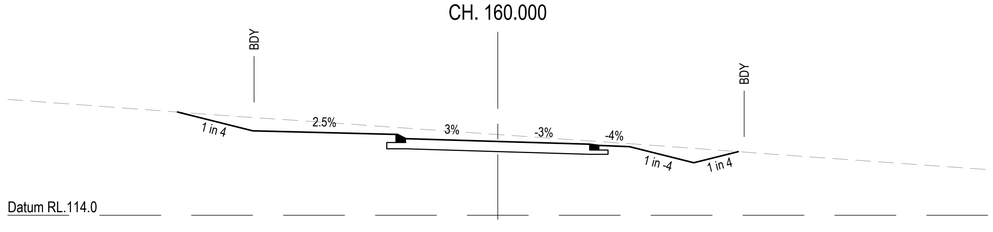

CH. 140.000

REVISIONS:			
0	ISSUED FOR CONSTRUCTION	MP	13/03/25
No.	REVISION DESCRIPTION	DRAWN	DATE

PARKLAKE ADARE

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SCALE
0 1 2 3 4 5m 10m
SCALE 1:100

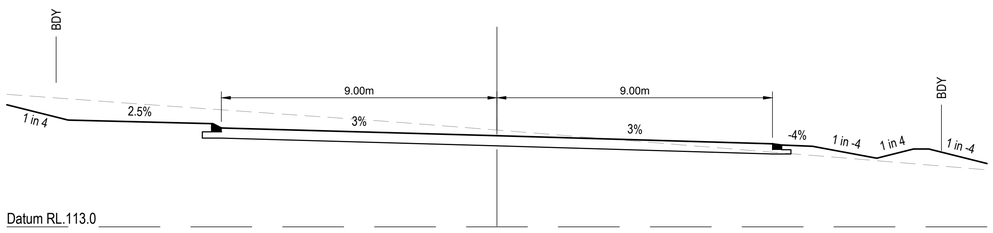
PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
ROAD CROSS SECTIONS
DARTNELL PLACE - SHEET 1

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE
CK	MP	CALVIN KIRK RPEQ:19536
DRAFTSPERSON	SCALE	DATE
MP	AS SHOWN	13/03/25
JOB No.	DRAWING No.	REVISION
BR242036	C6460	0

SHEET SIZE A1



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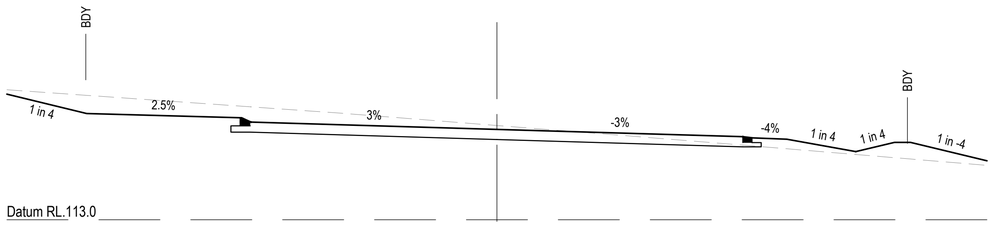

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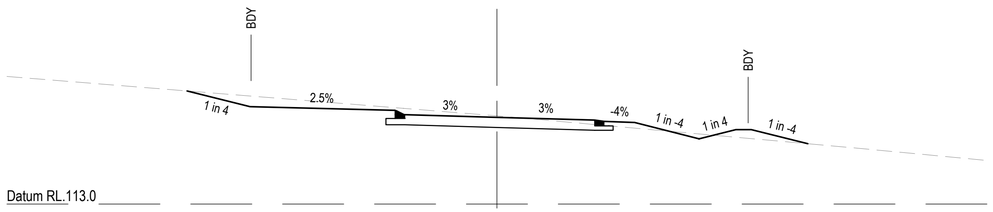

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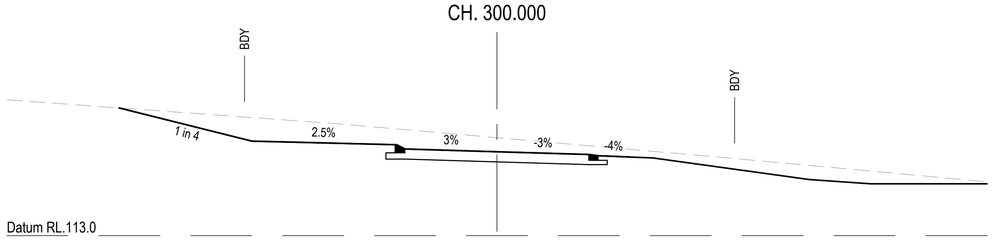

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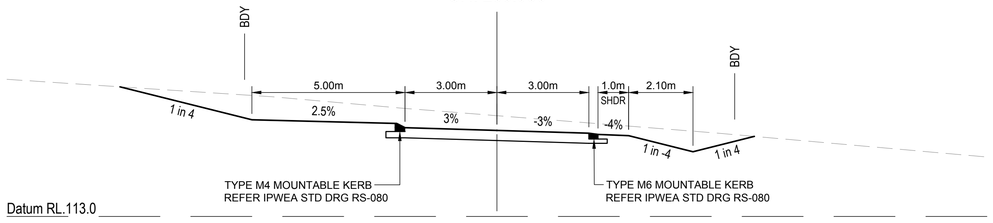

CH. 260.000

REVISIONS:

No.	REVISION DESCRIPTION	DRAWN	DATE
0	ISSUED FOR CONSTRUCTION	MP	13/03/25

PARKLAKE ADARE

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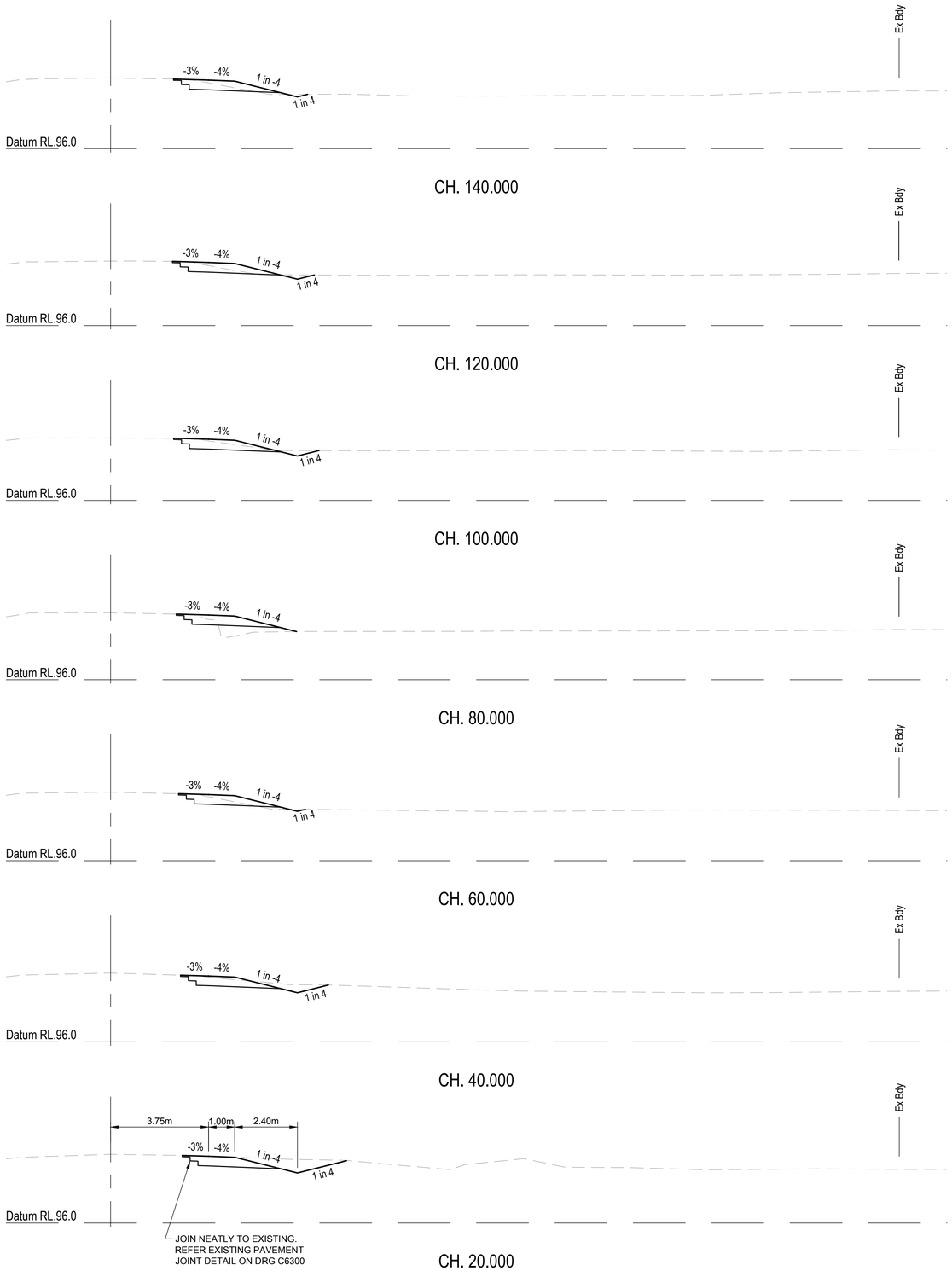
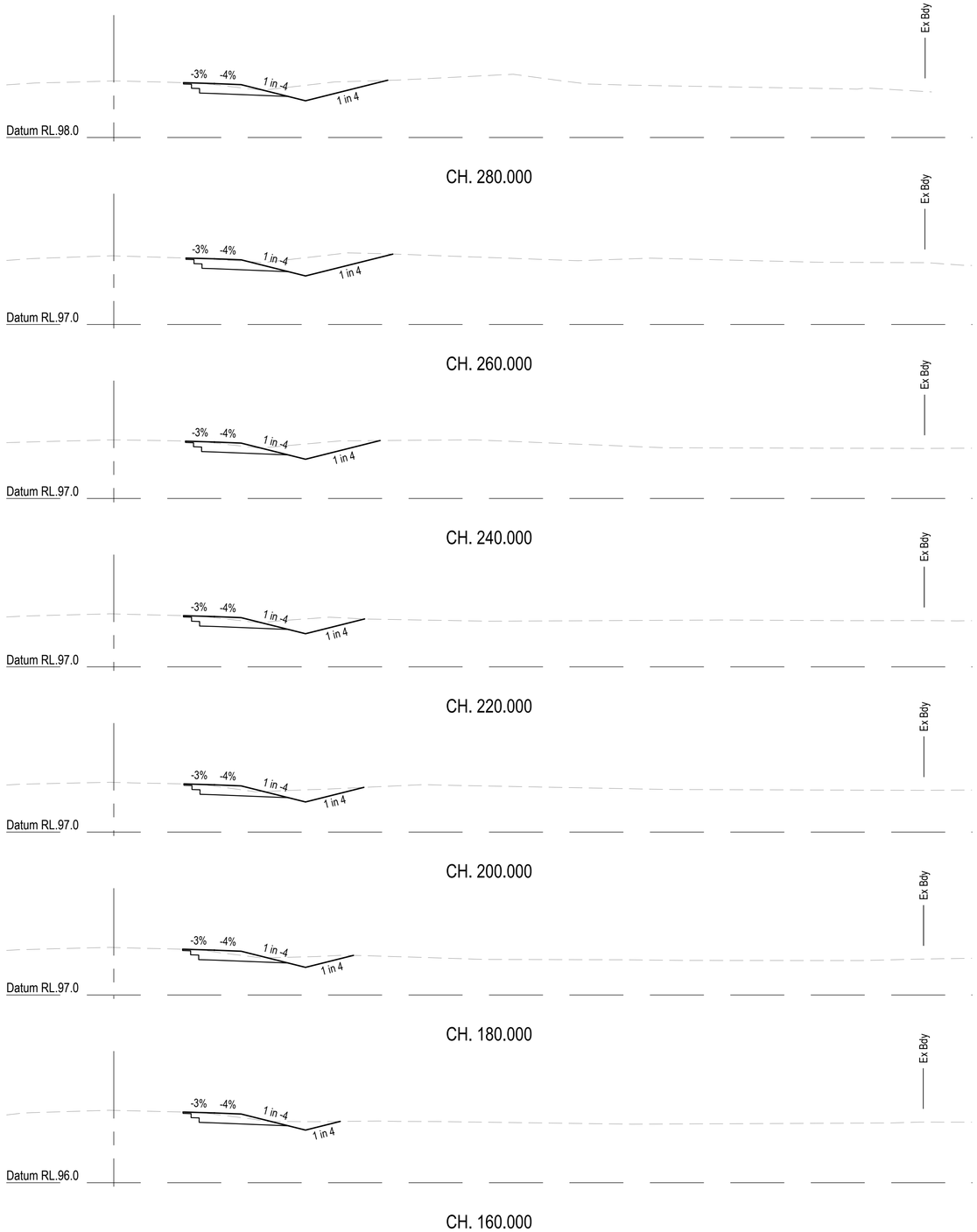
PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
ROAD CROSS SECTIONS
DARTNELL PLACE - SHEET 2

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE	
CK	MP	CALVIN KIRK RPEQ:19536	
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1
JOB No.		DRAWING No.	REVISION
BR242036		C6461	0





REVISIONS:			
0	ISSUED FOR CONSTRUCTION	MP	13/03/25
No.	REVISION DESCRIPTION	DRAWN	DATE

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0 1 2 3 4 5m 10m
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PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
ROAD CROSS SECTIONS
REDBANK CREEK ROAD - SHEET 1

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE	
CK	MP	CALVIN KIRK RPEQ:19536	
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1
JOB No.		DRAWING No.	REVISION
BR242036		C6462	0

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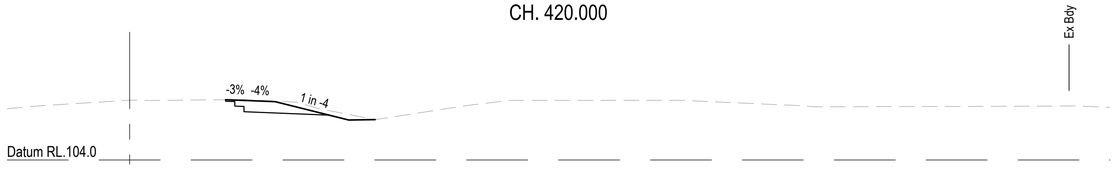

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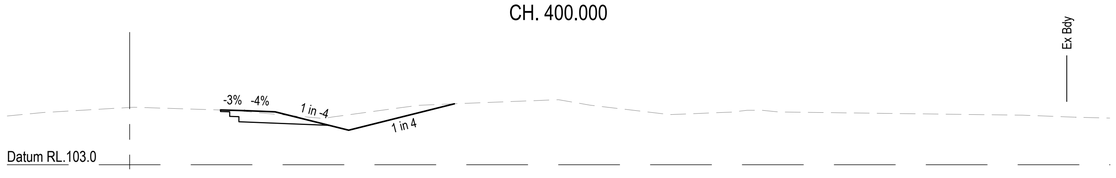

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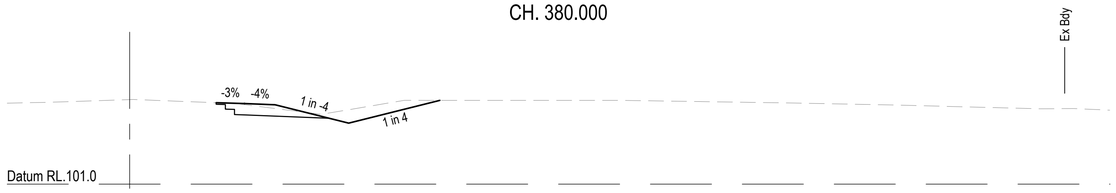

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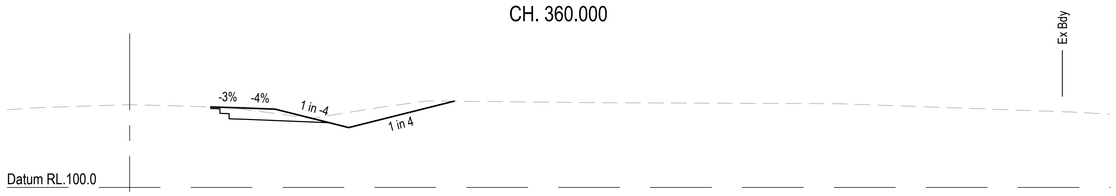

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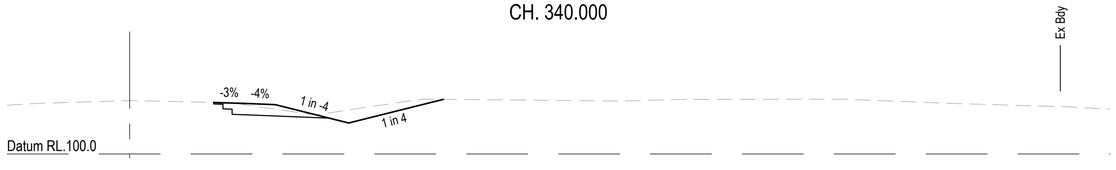

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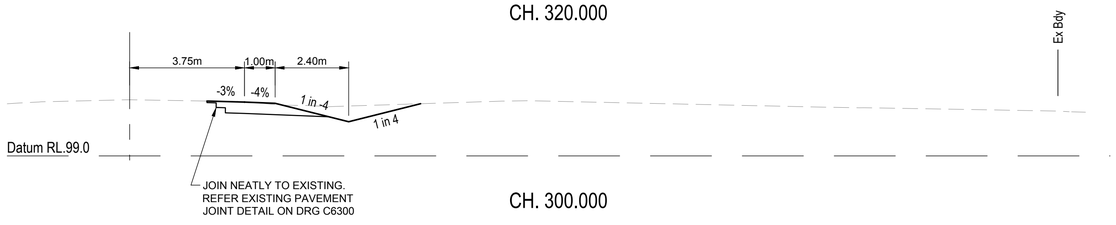

CH. 300.000

CH. 480.000

CH. 460.000

CH. 440.000

REVISIONS:

No.	REVISION DESCRIPTION	DRAWN	DATE
0	ISSUED FOR CONSTRUCTION	MP	13/03/25

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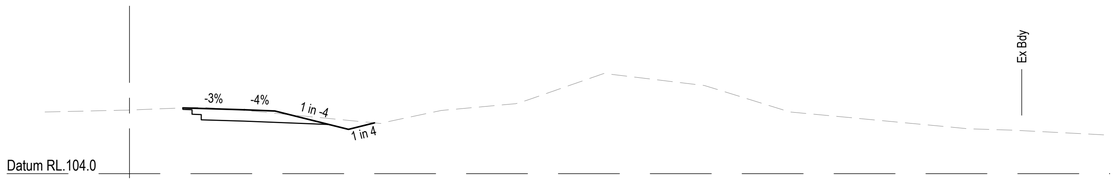
PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
ROAD CROSS SECTIONS
REDBANK CREEK ROAD - SHEET 2

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE	
CK	MP	CALVIN KIRK RPEQ.19536	
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1
JOB No.	DRAWING No.	REVISION	
BR242036	C6463	0	

CH. 140.000



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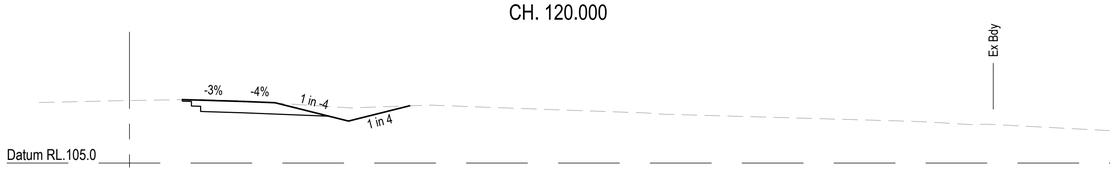

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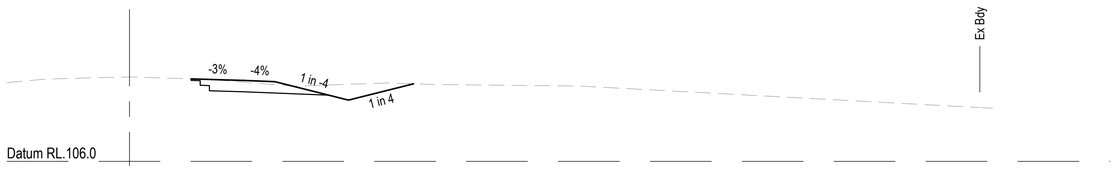

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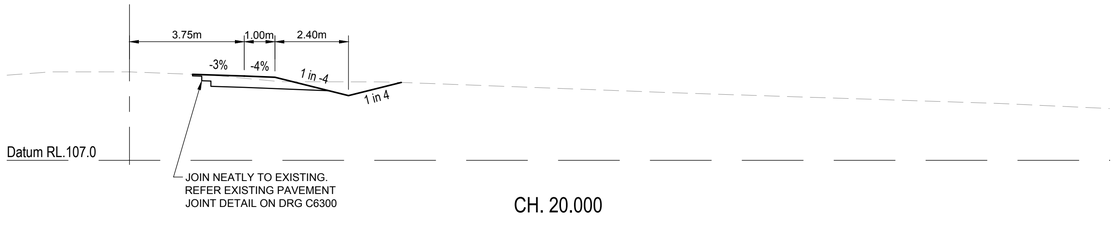

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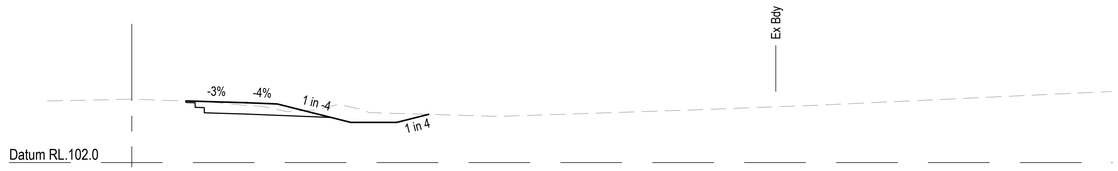

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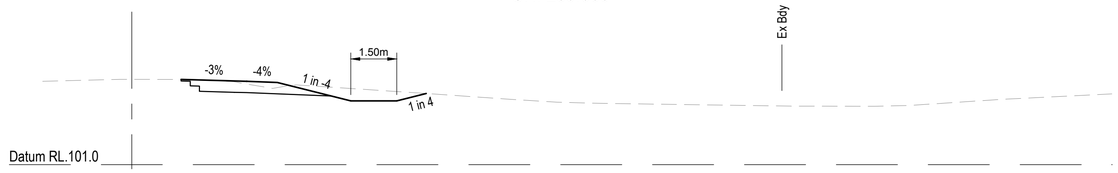

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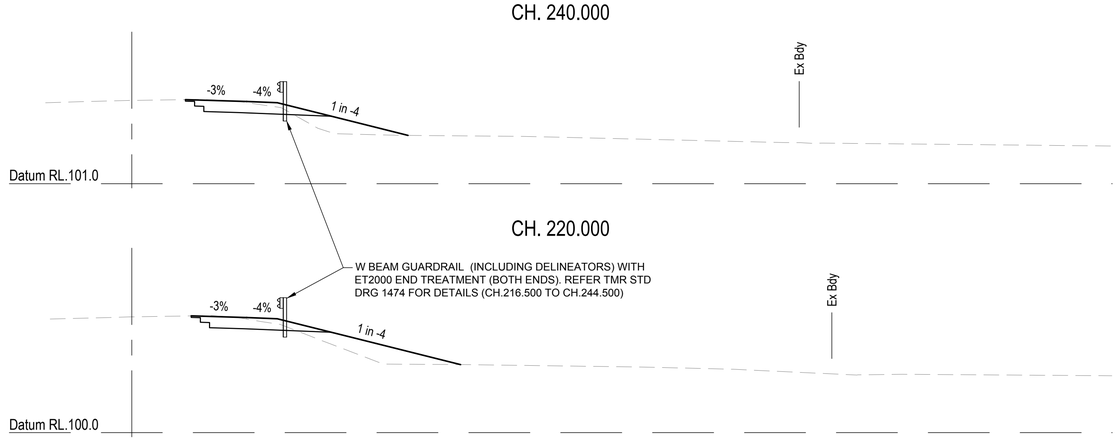

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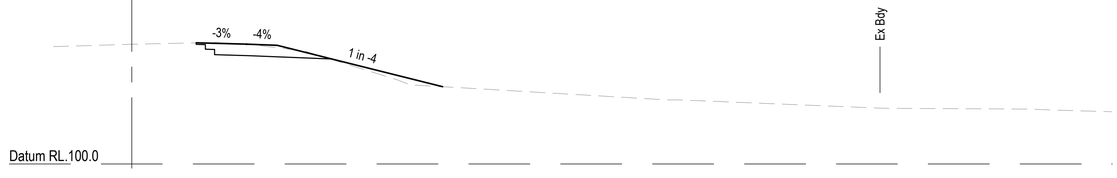
CH. 200.000



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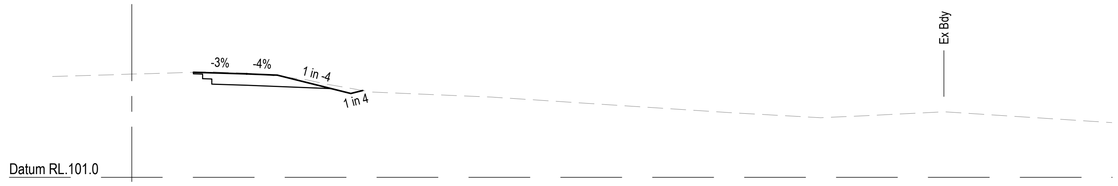

CH. 160.000

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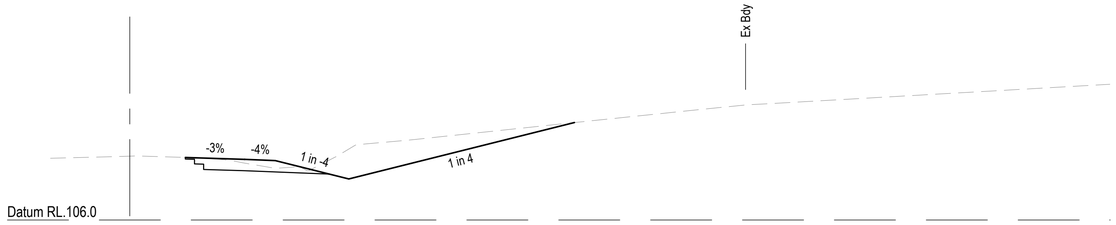
PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
ROAD CROSS SECTIONS
ADARE ROAD - SHEET 1

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE
CK	MP	CALVIN KIRK RPEQ:19536
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1
JOB No.		DRAWING No.	REVISION
BR242036		C6464	0



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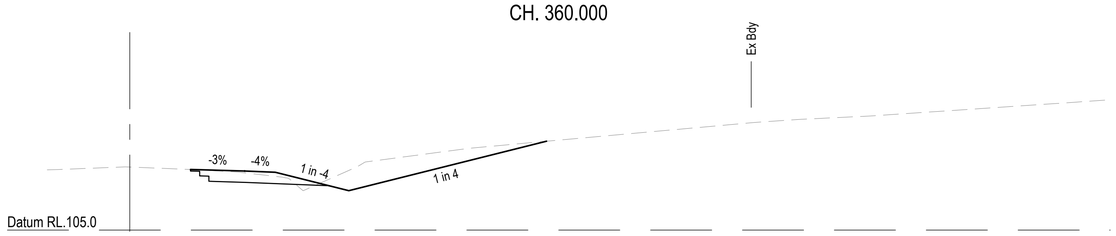

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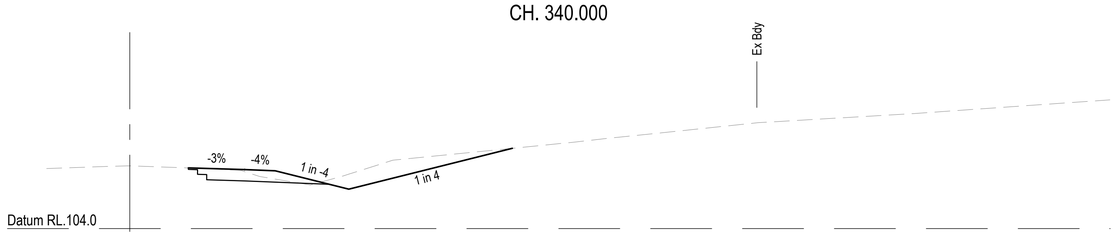

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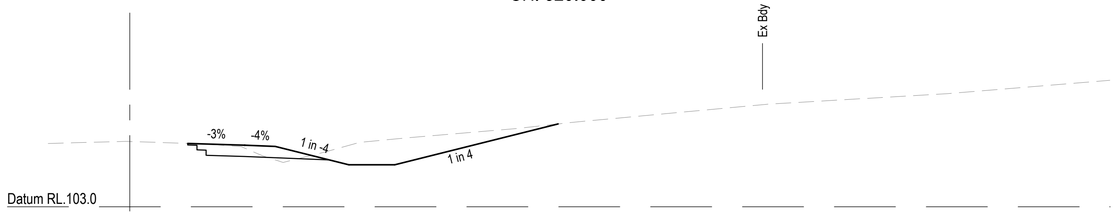

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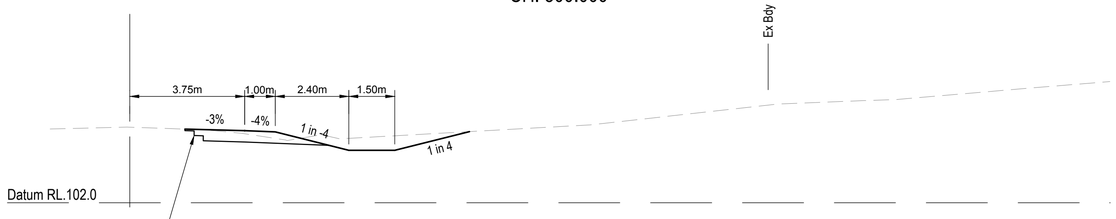

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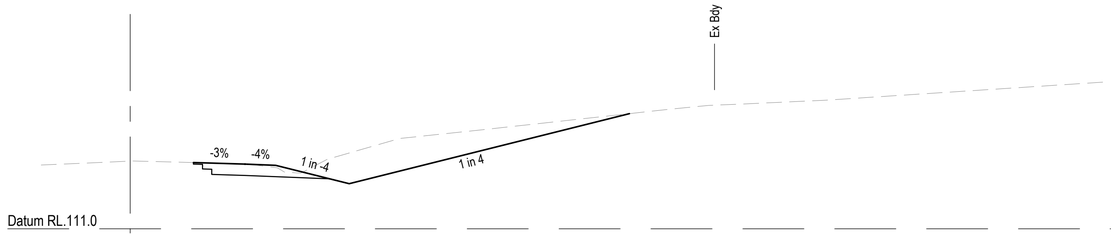

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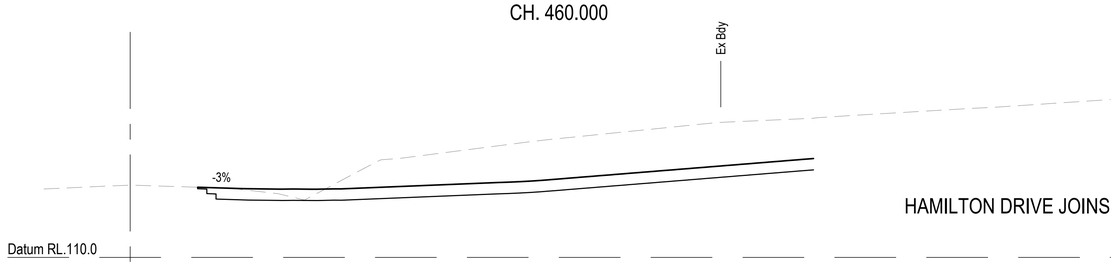
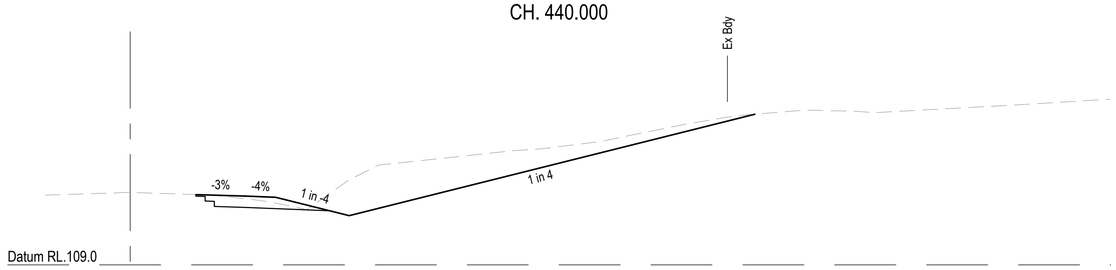


HAMILTON DRIVE JOINS

CH. 440.000



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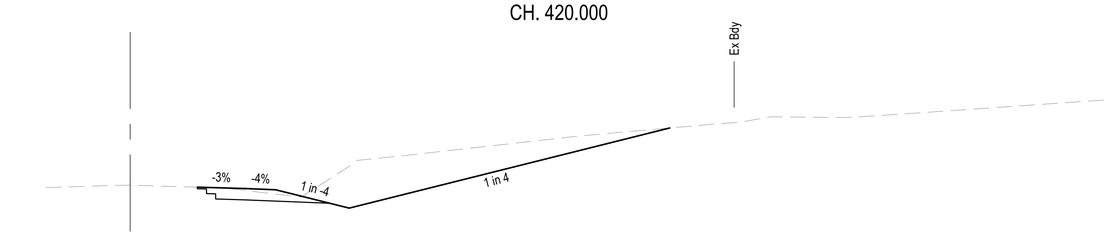

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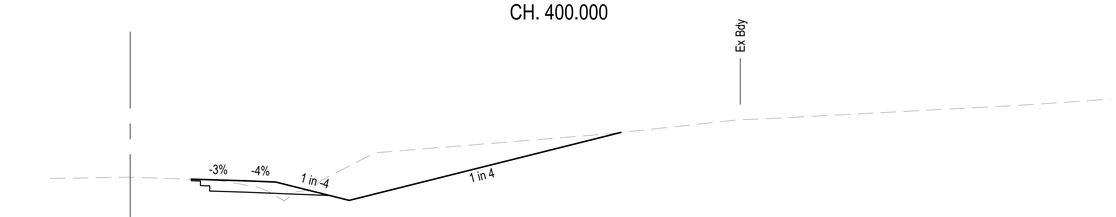

CH. 380.000

REVISIONS:			
0	ISSUED FOR CONSTRUCTION	MP	13/03/25
No.	REVISION DESCRIPTION	DRAWN	DATE

PARKLAKE ADARE

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PO BOX 4107 SPRINGFIELD QLD 4300

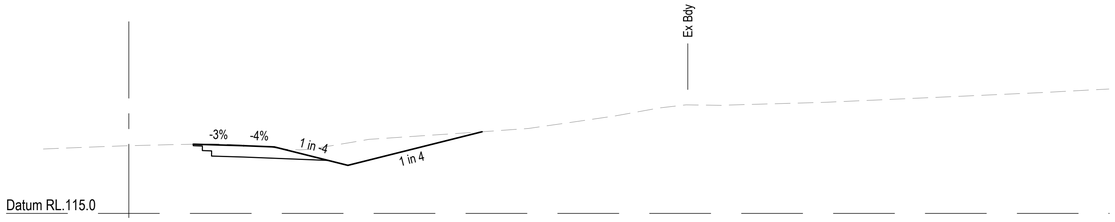
SCALE
0 1 2 3 4 5m 10m
SCALE 1:100

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

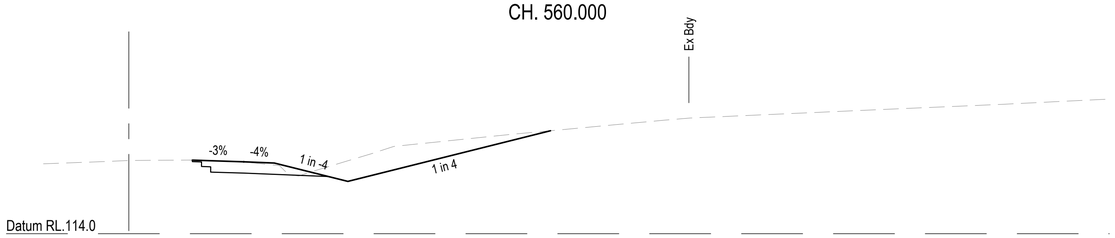
DRAWING TITLE
ROAD CROSS SECTIONS
ADARE ROAD - SHEET 2

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE
CK	MP	CALVIN KIRK RPEQ:19636
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1
JOB No.		DRAWING No.	REVISION
BR242036		C6465	0



CH. 560.000



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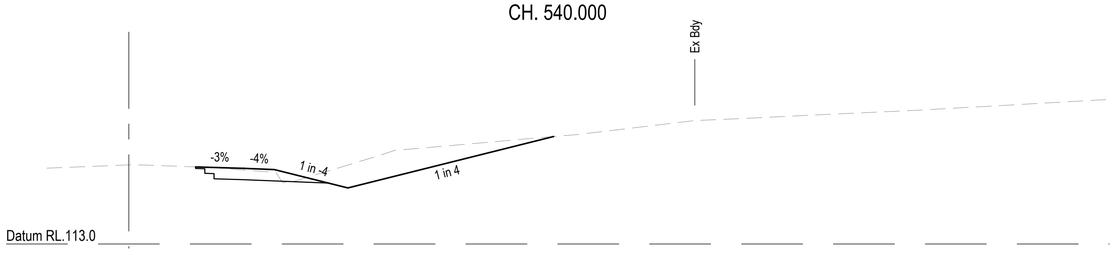

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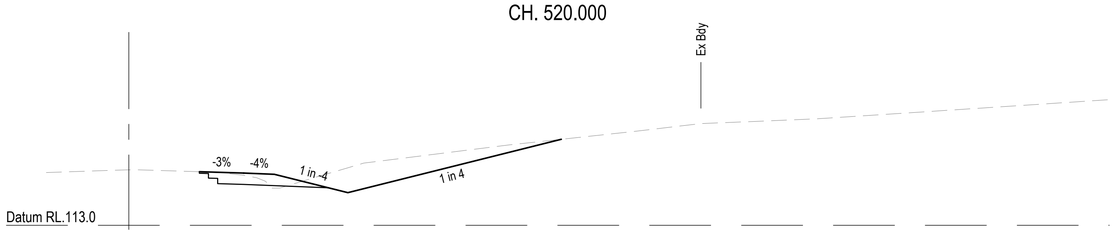

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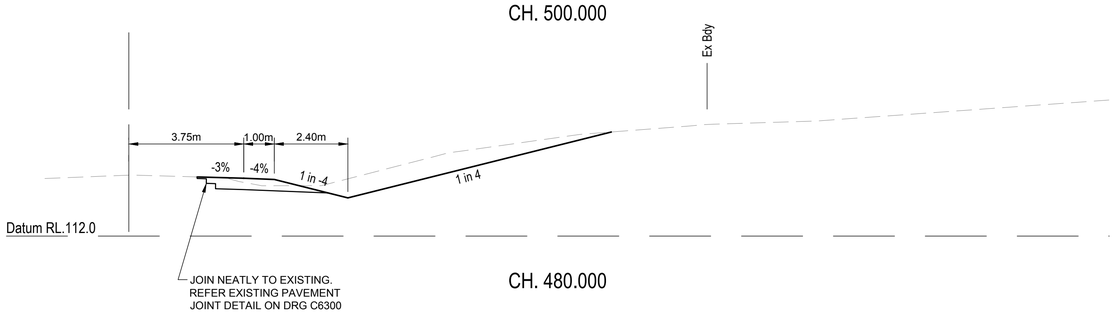

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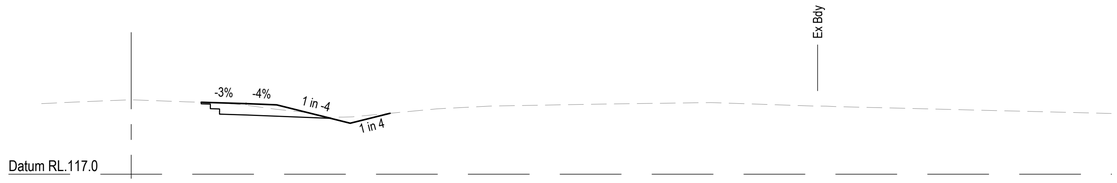

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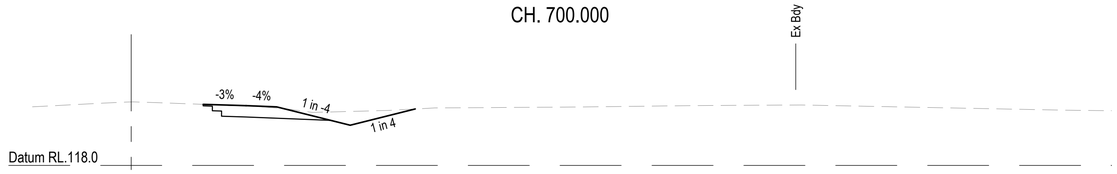

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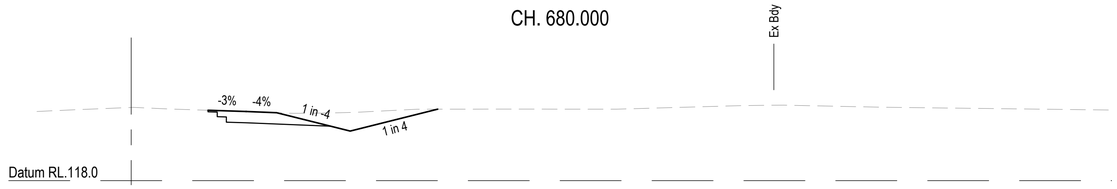

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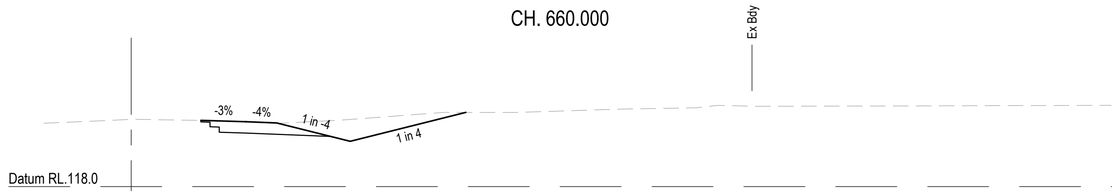

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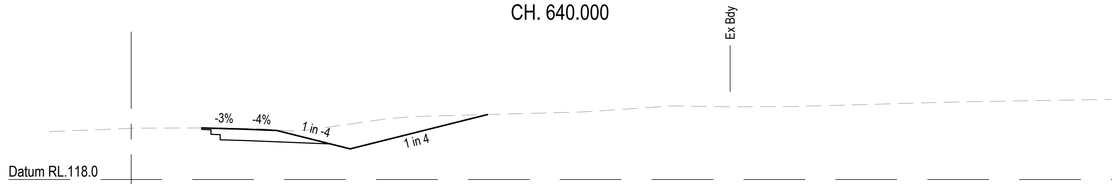

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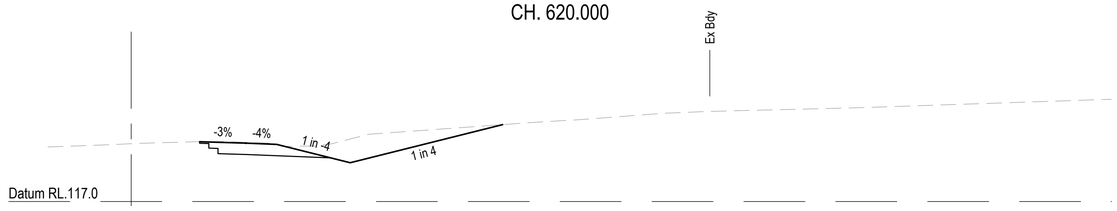

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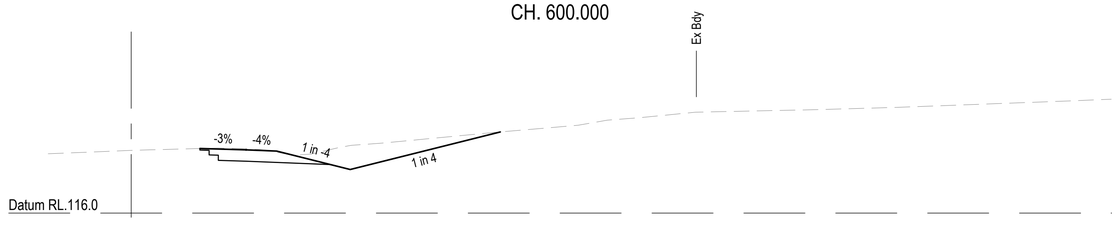

CH. 580.000

REVISIONS:			
0	ISSUED FOR CONSTRUCTION	MP	13/03/25
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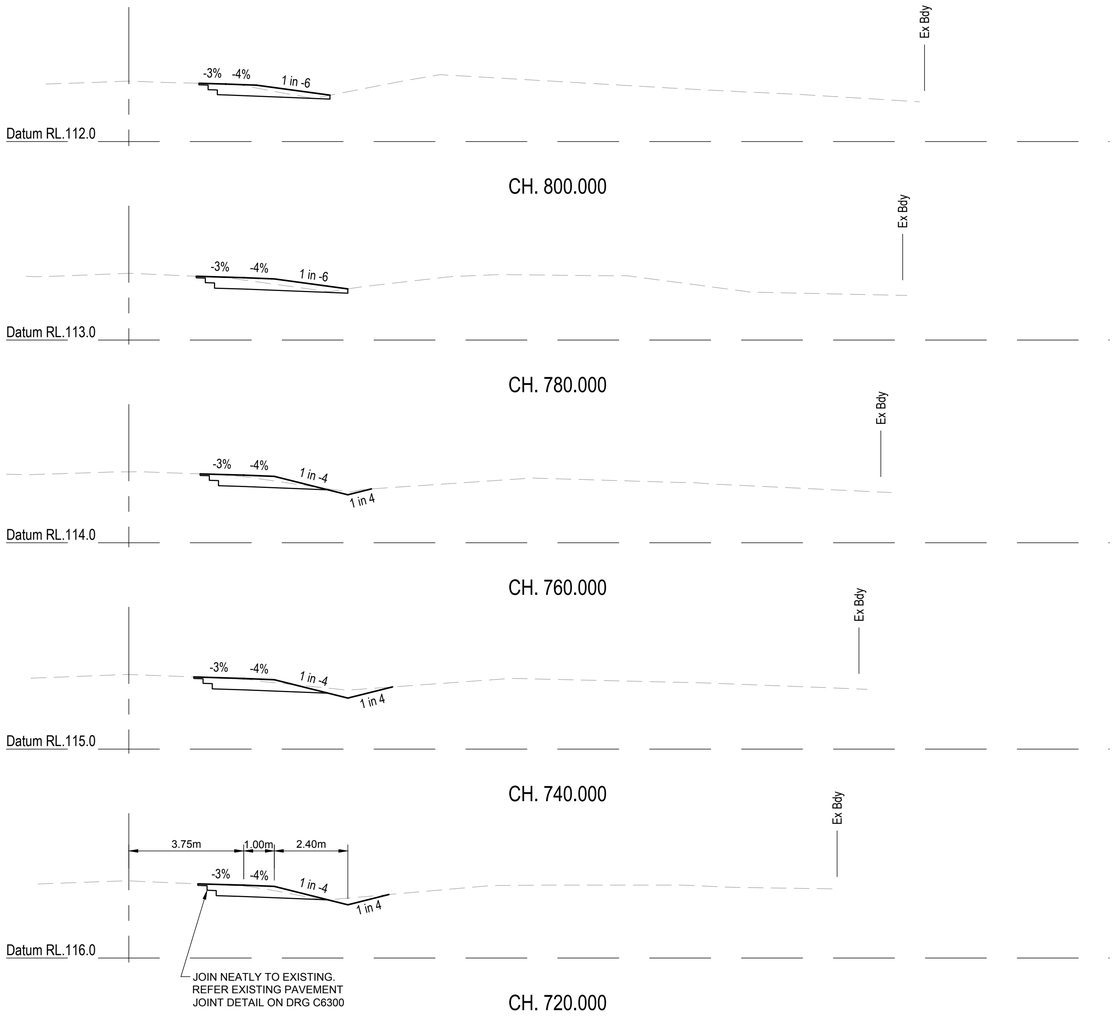
SCALE
0 1 2 3 4 5m 10m
SCALE 1:100

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
ROAD CROSS SECTIONS
ADARE ROAD - SHEET 3

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE	
CK	MP	CALVIN KIRK RPEQ:19536	
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1
JOB No.	DRAWING No.		REVISION
BR242036	C6466		0



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No.	REVISION DESCRIPTION	DRAWN	DATE
0	ISSUED FOR CONSTRUCTION	MP	13/03/25

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SCALE
0 1 2 3 4 5m 10m
SCALE 1:100

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
ROAD CROSS SECTIONS
ADARE ROAD - SHEET 4

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

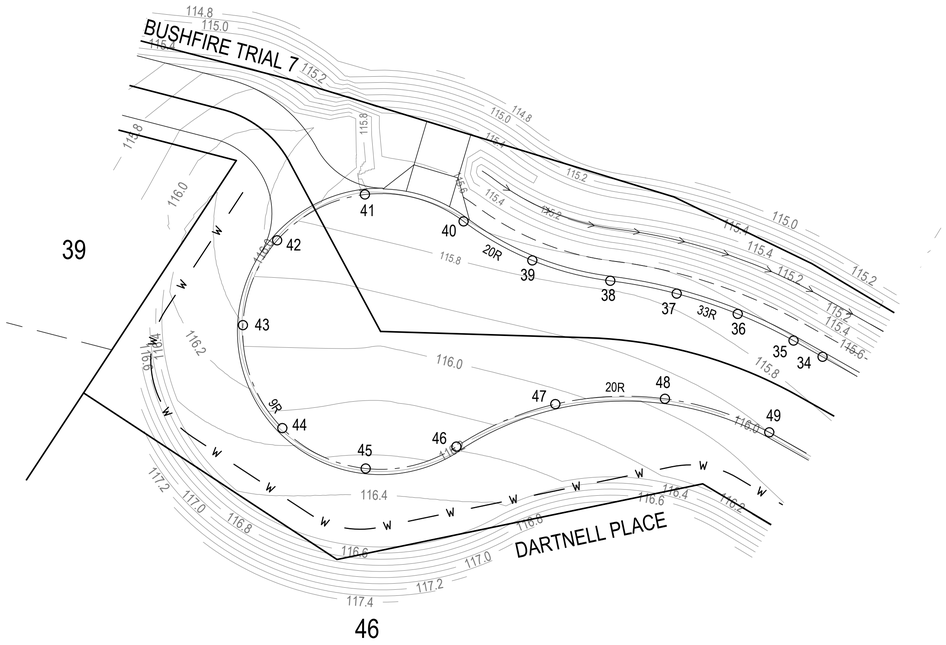
PROJECT LEADER	DESIGNER	SIGNATURE	
CK	MP	CALVIN KIRK RPEQ.19536	
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1
JOB No.	DRAWING No.		REVISION
BR242036	C6467		0

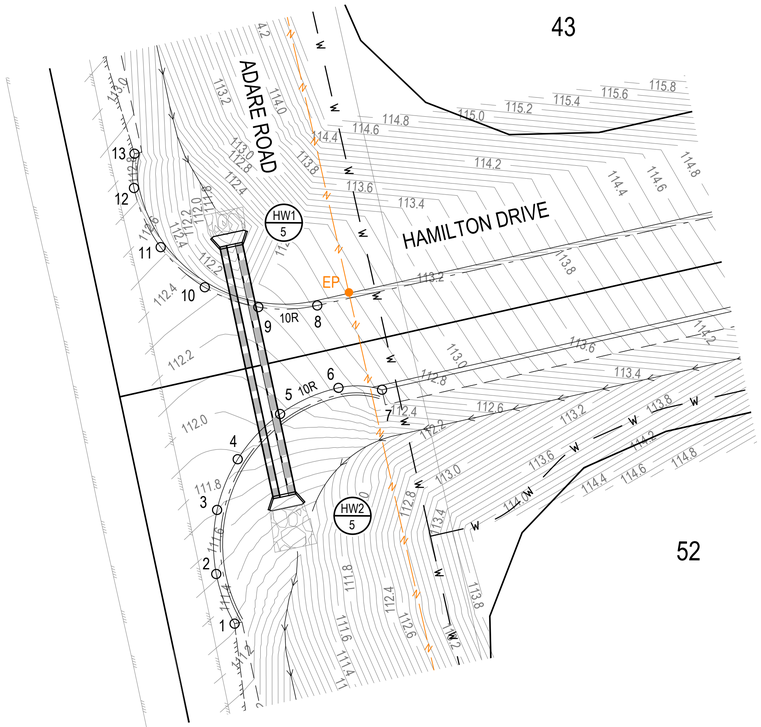
LEGEND

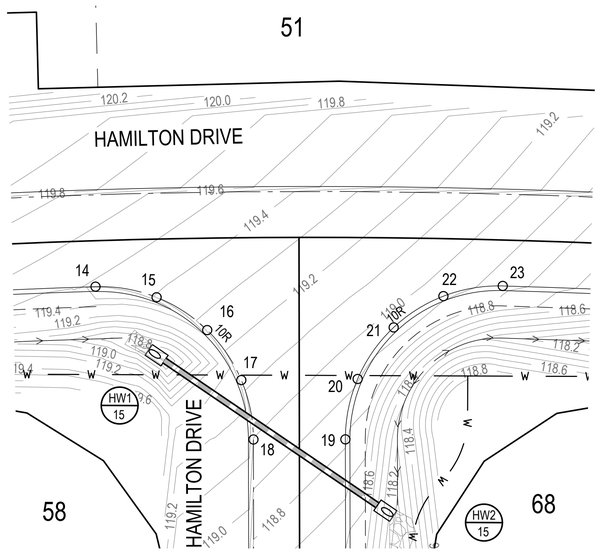
EXISTING	PROPOSED
FENCE	OPEN DRAIN
OPEN DRAIN	MOUNTABLE KERB TYPE M4
MOUNTABLE KERB TYPE M4	MOUNTABLE KERB TYPE M6
MOUNTABLE KERB TYPE M6	CONTOUR (0.1m)
ROAD EDGE BITUMEN	ROAD EDGE BITUMEN
TREE TO REMAIN	ROAD SHOULDER
	DRAINAGE

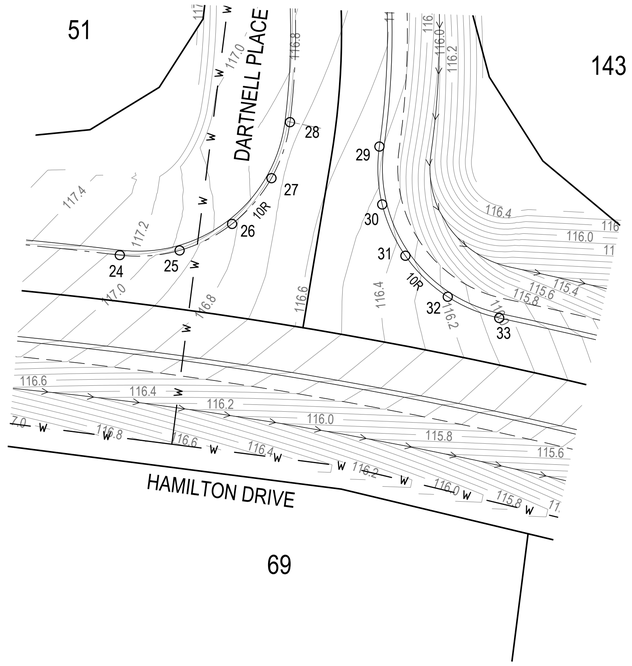
SERVICES (PUP) LEGEND

	EXISTING	PROPOSED
COMMUNICATIONS	C(*)	
DRAINAGE	D(*)	
ELECTRICITY	E(*)	
O/H ELECTRICITY & POLE		
GAS	G(*)	
WATER MAIN	W(*)	W









KERB LIP SETOUT / LEVELS

POINT	EASTING	NORTHING	LEVEL
1	429388.405	6954515.569	111.320
2	429387.710	6954518.954	111.517
3	429388.398	6954523.082	111.712
4	429390.231	6954526.149	111.879
5	429393.412	6954528.646	112.067
6	429397.436	6954529.759	112.337
7	429400.233	6954529.204	112.513
8	429396.882	6954535.284	112.496
9	429393.061	6954535.764	112.298
10	429389.801	6954537.572	112.330
11	429387.352	6954540.592	112.528
12	429386.212	6954544.674	112.741
13	429386.583	6954546.880	112.837
14	429605.754	6954536.521	119.485
15	429609.589	6954535.231	119.394
16	429612.533	6954532.615	119.266
17	429614.243	6954529.051	119.124
18	429614.437	6954525.099	118.997
19	429620.370	6954524.201	118.817
20	429621.758	6954527.976	118.913
21	429624.591	6954530.946	118.956
22	429628.110	6954532.473	118.938
23	429632.039	6954532.546	118.852
24	429692.378	6954524.479	117.076
25	429696.285	6954524.189	116.947
26	429699.932	6954525.382	116.817
27	429702.927	6954527.944	116.726
28	429704.675	6954531.376	116.725
29	429710.207	6954528.919	116.537
30	429709.818	6954525.155	116.476
31	429710.807	6954521.614	116.363
32	429713.135	6954518.555	116.207
33	429716.249	6954516.672	116.040
34	429578.642	6954770.342	115.715
35	429576.925	6954771.678	115.728
36	429573.588	6954773.950	115.752
37	429569.848	6954775.862	115.775
38	429565.692	6954777.342	115.783
39	429560.857	6954779.427	115.766
40	429556.808	6954782.626	115.723
41	429550.704	6954785.336	115.720
42	429544.587	6954783.244	115.840
43	429541.540	6954778.110	115.970
44	429543.067	6954771.074	116.131
45	429548.048	6954767.646	116.225
46	429554.119	6954768.163	116.160
47	429560.923	6954769.928	116.028
48	429568.055	6954769.190	115.947
49	429574.455	6954765.994	115.899

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No.	REVISION DESCRIPTION	DRAWN	DATE
0	ISSUED FOR CONSTRUCTION	MP	13/03/25

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SCALE
0 1 2 3 4 5 10m 15 20m
SCALE 1:200

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

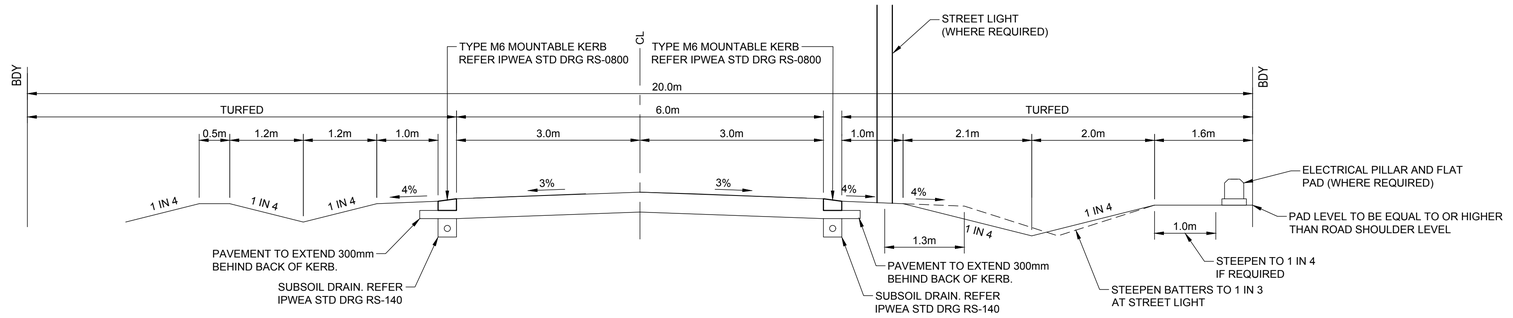
DRAWING TITLE
INTERSECTION DETAILS

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE
CK	MP	CALVIN KIRK RPEQ:19536

DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1

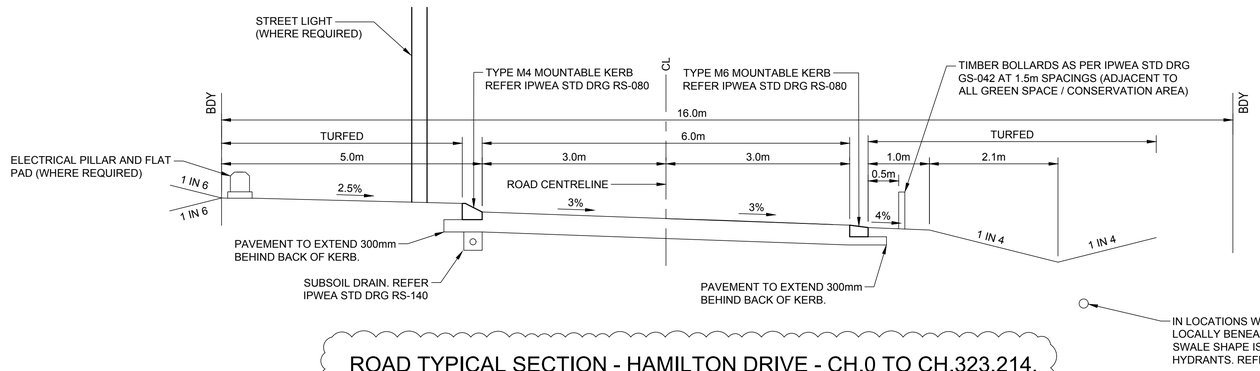
JOB No.	DRAWING No.	REVISION
BR242036	C6480	0



ROAD TYPICAL SECTION - HAMILTON DRIVE (CH.323.214 TO CH.530.40 AND CH.770 TO CH.925)

SCALE 1:50

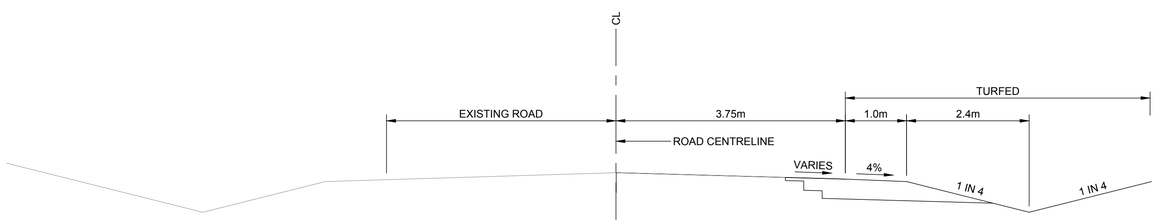
2



ROAD TYPICAL SECTION - HAMILTON DRIVE - CH.0 TO CH.323.214, CH.530.40 TO CH.770 AND CH.925 TO END

SCALE 1:50

2



ROAD TYPICAL SECTION - REDBANK CREEK ROAD AND ADARE ROAD

SCALE 1:50

REFER DRAWING C6300 FOR
PAVEMENT TYPE LEGEND

0 1 2 3 4 5m

SCALE 1:50

REVISIONS:			
2	CHAINAGES UPDATED	MP	19/01/26
1	NOTE ADDED	MP	19/05/25
0	ISSUED FOR CONSTRUCTION	MP	13/03/25
No.	REVISION DESCRIPTION	DRAWN	DATE

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PO BOX 4107 SPRINGFIELD QLD 4300

SCALE
0 1 2 3 4 5m
SCALE 1:50

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

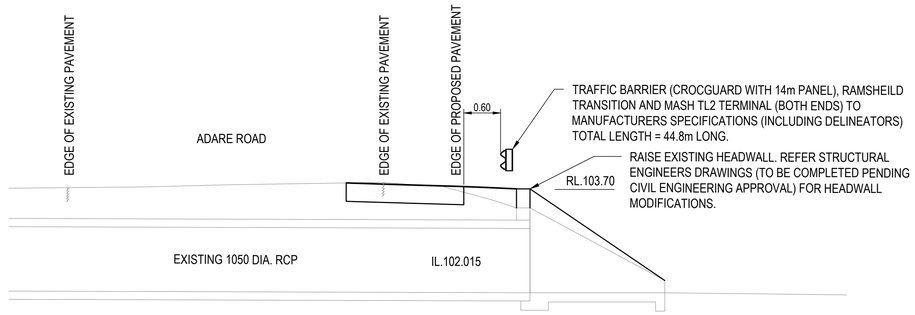
DRAWING TITLE
ROADWORKS DETAILS
SHEET 1

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

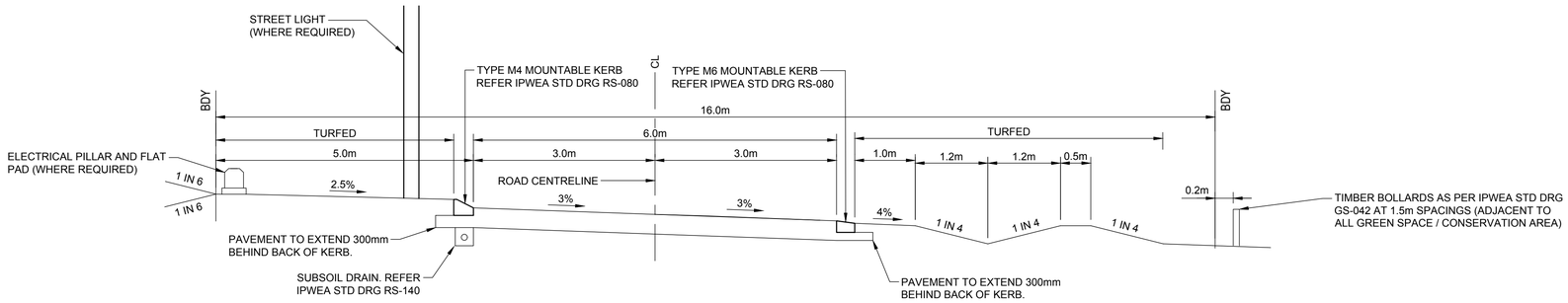
PROJECT LEADER	DESIGNER	SIGNATURE
CK	MP	CALVIN KIRK RPEQ:19536

DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1

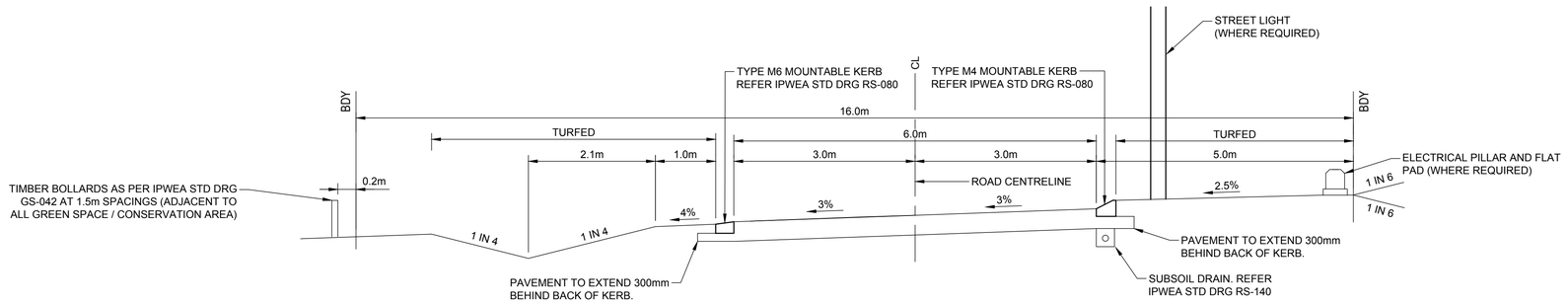
JOB No.	DRAWING No.	REVISION
BR242036	C6490	2



HEADWALL MODIFICATION DETAIL
SCALE 1:50



ROAD TYPICAL SECTION - DARTNELL PLACE
SCALE 1:50



ROAD TYPICAL SECTION - HAMILTON DRIVE - CH.550 TO CH.770
SCALE 1:50

REFER DRAWING C6300 FOR PAVEMENT TYPE LEGEND

0 1 2 3 4 5m
SCALE 1:50

REVISIONS:

No.	REVISION DESCRIPTION	DRAWN	DATE
0	ISSUED FOR CONSTRUCTION	MP	13/03/25

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SCALE
0 1 2 3 4 5m
SCALE 1:50

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
ROADWORKS DETAILS
SHEET 2

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE	
CK	MP	CALVIN KIRK RPEQ:19536	
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1
JOB No.		DRAWING No.	REVISION
BR242036		C6491	0

FOR CONTINUATION REFER DWG No. C6501

LEGEND:

- STORMWATER CATCHMENT
- HW1/2 1.2713ha — STORMWATER CATCHMENT NAME
- B — TABLE DRAIN FLOW CALCULATION LOCATION

TABLE DRAIN CALCULATIONS - LOCATION M

DESIGN STORM AS PER QUDM TABLE 7.3.1

1 IN 4 / 1 IN 4 / 0.55

Area = 0.152ha
Mannings n = 0.03
Longitudinal Grade = 3.7%
TC = 5 minutes

Q_2	Flow = 23l/s	Q_{50}	Flow = 73l/s
Q_2	Depth of flow = 130mm	Q_{50}	Depth of flow = 202mm
Q_2	Freeboard = 420mm	Q_{50}	Freeboard = 348mm
Q_2	Velocity = 0.33m/s	Q_{50}	Velocity = 0.45m/s
Depth x Velocity Ratio = 0.04		Depth x Velocity Ratio = 0.09	

TABLE DRAIN CALCULATIONS - LOCATION A

DESIGN STORM AS PER QUDM TABLE 7.3.1

1 IN 4 / 1.50 / 1 IN 4 / 0.60

Area = 4.751ha
Mannings n = 0.03
Longitudinal Grade = 2.07%
TC = 13.6 minutes

Q_2	Flow = 522l/s	Q_{50}	Flow = 1636l/s
Q_2	Depth of flow = 189mm	Q_{50}	Depth of flow = 228mm
Q_2	Freeboard = 411mm	Q_{50}	Freeboard = 372mm
Q_2	Velocity = 1.28m/s	Q_{50}	Velocity = 1.76m/s
Depth x Velocity Ratio = 0.24		Depth x Velocity Ratio = 0.59	

TABLE DRAIN CALCULATIONS - LOCATION B

DESIGN STORM AS PER QUDM TABLE 7.3.1

1 IN 6 / 1 IN 6 / 0.30

Area = 3.517ha
Mannings n = 0.03
Longitudinal Grade = 0.6%
TC = 15.5 minutes
Q_{3mth} Flow = 158l/s
Q_{3mth} Depth of flow = 214mm
Q_{3mth} Freeboard = 86mm
Q_{3mth} Velocity = 0.58m/s
Depth x Velocity Ratio = 0.12

TABLE DRAIN CALCULATIONS - LOCATION C

DESIGN STORM AS PER QUDM TABLE 7.3.1

1 IN 4 / 1 IN 4 / 0.60

Area = 0.422ha
Mannings n = 0.03
Longitudinal Grade = 0.41%
TC = 5 minutes

Q_2	Flow = 90l/s	Q_{50}	Flow = 202l/s
Q_2	Depth of flow = 217mm	Q_{50}	Depth of flow = 295mm
Q_2	Freeboard = 383mm	Q_{50}	Freeboard = 305mm
Q_2	Velocity = 0.48m/s	Q_{50}	Velocity = 0.58m/s
Depth x Velocity Ratio = 0.11		Depth x Velocity Ratio = 0.17	

TABLE DRAIN CALCULATIONS - LOCATION D

DESIGN STORM AS PER QUDM TABLE 7.3.1

1 IN 4 / 1 IN 4 / 0.55

Area = 2.581ha
Mannings n = 0.03
Longitudinal Grade = 0.4%
TC = 15 minutes

Q_2	Flow = 270l/s	Q_{50}	Flow = 646l/s
Q_2	Depth of flow = 214mm	Q_{50}	Depth of flow = 297mm
Q_2	Freeboard = 336mm	Q_{50}	Freeboard = 253mm
Q_2	Velocity = 1.47m/s	Q_{50}	Velocity = 1.83m/s
Depth x Velocity Ratio = 0.32		Depth x Velocity Ratio = 0.54	

TABLE DRAIN CALCULATIONS - LOCATION E

DESIGN STORM AS PER QUDM TABLE 7.3.1

1 IN 4 / 1 IN 4 / 0.30

Area = 2.712ha
Mannings n = 0.03
Longitudinal Grade = 0.4%
TC = 15 minutes
Q_{3mth} Flow = 116l/s
Q_{3mth} Depth of flow = 240mm
Q_{3mth} Freeboard = 60mm
Q_{3mth} Velocity = 0.50m/s
Depth x Velocity Ratio = 0.12

TABLE DRAIN CALCULATIONS - LOCATION F

DESIGN STORM AS PER QUDM TABLE 7.3.1

1 IN 4 / 1 IN 4 / 0.30

Area = 1.577ha
Mannings n = 0.03
Longitudinal Grade = 0.4%
TC = 13.5 minutes
Q_{3mth} Flow = 71l/s
Q_{3mth} Depth of flow = 130mm
Q_{3mth} Freeboard = 170mm
Q_{3mth} Velocity = 1.06m/s
Depth x Velocity Ratio = 0.14

REVISIONS:			
1	LOT NUMBERS ADDED	MP	20/02/26
0	ISSUED FOR CONSTRUCTION	MP	13/03/25
No.	REVISION DESCRIPTION	DRAWN	DATE

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SCALE
0 10 20 30 40 50m 100m
SCALE 1:1000

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

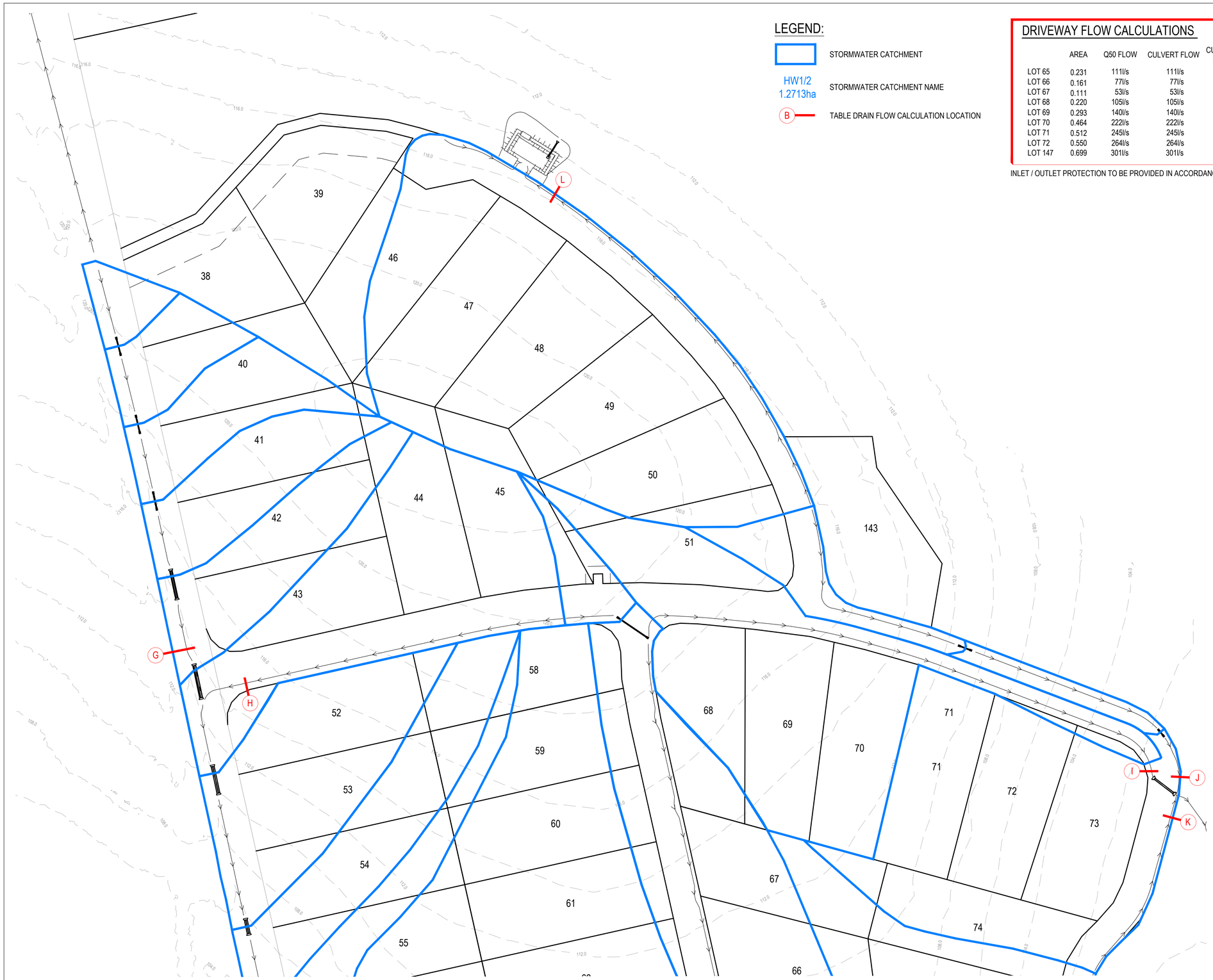
DRAWING TITLE
DRAINAGE CATCHMENT PLAN
SHEET 1

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE
CK	MP	CALVIN KIRK RPEQ:19536

DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1

JOB No.	DRAWING No.	REVISION
BR242036	C6500	1



LEGEND:

STORMWATER CATCHMENT

HW1/2
1.2713ha — STORMWATER CATCHMENT NAME

B — TABLE DRAIN FLOW CALCULATION LOCATION

DRIVEWAY FLOW CALCULATIONS

	AREA	Q50 FLOW	CULVERT FLOW	CULVERT SIZE FOR BLOCK PURCHASER INSTALL
LOT 65	0.231	111l/s	111l/s	450 RCP
LOT 66	0.161	77l/s	77l/s	450 RCP
LOT 67	0.111	53l/s	53l/s	450 RCP
LOT 68	0.220	105l/s	105l/s	450 RCP
LOT 69	0.293	140l/s	140l/s	450 RCP
LOT 70	0.464	222l/s	222l/s	450 RCP
LOT 71	0.512	245l/s	245l/s	450 RCP
LOT 72	0.550	264l/s	264l/s	450 RCP
LOT 147	0.699	301l/s	301l/s	450 RCP

INLET / OUTLET PROTECTION TO BE PROVIDED IN ACCORDANCE WITH DRAWING C6550[2]

TABLE DRAIN CALCULATIONS - LOCATION G

DESIGN STORM AS PER QUDM TABLE 7.3.1

1 IN 4 / 1 IN 4 / 0.60

Area = 1.770ha
Mannings n = 0.03
Longitudinal Grade = 4.2%
TC = 12 minutes

Q_2 Flow = 206l/s	Q_{50} Flow = 643l/s
Q_2 Depth of flow = 193mm	Q_{50} Depth of flow = 297mm
Q_2 Freeboard = 407mm	Q_{50} Freeboard = 303mm
Q_2 Velocity = 1.4m/s	Q_{50} Velocity = 1.86m/s
Depth x Velocity Ratio = 0.27	Depth x Velocity Ratio = 0.54

TABLE DRAIN CALCULATIONS - LOCATION H

DESIGN STORM AS PER QUDM TABLE 7.3.1

1 IN 4 / 1 IN 4 / 0.55

Area = 1.379ha
Mannings n = 0.03
Longitudinal Grade = 8.07%
TC = 12 minutes

Q_2 Flow = 160l/s	Q_{50} Flow = 501l/s
Q_2 Depth of flow = 155mm	Q_{50} Depth of flow = 237mm
Q_2 Freeboard = 395mm	Q_{50} Freeboard = 313mm
Q_2 Velocity = 1.69m/s	Q_{50} Velocity = 2.24m/s
Depth x Velocity Ratio = 0.26	Depth x Velocity Ratio = 0.53

TABLE DRAIN CALCULATIONS - LOCATION I

DESIGN STORM AS PER QUDM TABLE 7.3.1

1 IN 4 / 1 IN 4 / 0.55

Area = 1.187ha
Mannings n = 0.03
Longitudinal Grade = 0.4%
TC = 13.5 minutes

Q_2 Flow = 131l/s	Q_{50} Flow = 410l/s
Q_2 Depth of flow = 163mm	Q_{50} Depth of flow = 250mm
Q_2 Freeboard = 387mm	Q_{50} Freeboard = 300mm
Q_2 Velocity = 1.23m/s	Q_{50} Velocity = 1.63m/s
Depth x Velocity Ratio = 0.20	Depth x Velocity Ratio = 0.41

TABLE DRAIN CALCULATIONS - LOCATION J

DESIGN STORM AS PER QUDM TABLE 7.3.1

1 IN 4 / 1 IN 4 / 0.30

Area = 1.591ha
Mannings n = 0.03
Longitudinal Grade = 0.4%
TC = 13.5 minutes
Q_{3mth} Flow = 72l/s
Q_{3mth} Depth of flow = 201mm
Q_{3mth} Freeboard = 99mm
Q_{3mth} Velocity = 0.45m/s
Depth x Velocity Ratio = 0.09

TABLE DRAIN CALCULATIONS - LOCATION K

DESIGN STORM AS PER QUDM TABLE 7.3.1

1 IN 4 / 1 IN 4 / 0.30

Area = 2.169ha
Mannings n = 0.03
Longitudinal Grade = 0.4%
TC = 14.5 minutes
Q_{3mth} Flow = 94l/s
Q_{3mth} Depth of flow = 144mm
Q_{3mth} Freeboard = 156mm
Q_{3mth} Velocity = 1.33m/s
Depth x Velocity Ratio = 0.19

TABLE DRAIN CALCULATIONS - LOCATION L

DESIGN STORM AS PER QUDM TABLE 7.3.1

1 IN 4 / 1 IN 4 / 0.30

Area = 2.711ha
Mannings n = 0.03
Longitudinal Grade = 0.49%
TC = 11.3 minutes
Q_{3mth} Flow = 132l/s
Q_{3mth} Depth of flow = 243mm
Q_{3mth} Freeboard = 57mm
Q_{3mth} Velocity = 0.56m/s
Depth x Velocity Ratio = 0.14

FOR CONTINUATION REFER DWG No. C6500

REVISIONS:

No.	REVISION DESCRIPTION	DRAWN	DATE
3	LOT NUMBERS ADDED	MP	26/02/26
2	STORMWATER UPDATED	MP	19/01/26
1	PARK WORKS ADDED	MP	24/10/25
0	ISSUED FOR CONSTRUCTION	MP	13/03/25

PARKLAKE ADARE

N

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SCALE
0 10 20 30 40 50m 100m
SCALE 1:1000

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

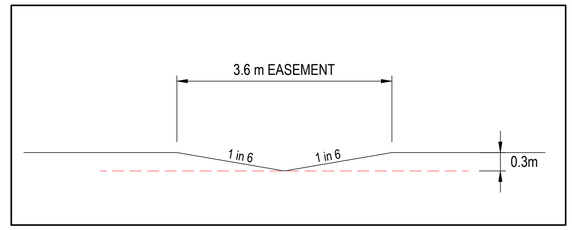
DRAWING TITLE
DRAINAGE CATCHMENT PLAN
SHEET 2

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE
CK	MP	CALVIN KIRK RPEQ:19536

DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1

JOB No.	DRAWING No.	REVISION
BR242036	C6501	3



SWALE DRAIN WITH 3.6m EASEMENT
N.T.S

FOR CONTINUATION REFER DWG No. C6503

HAMILTON DRIVE

ADARE ROAD

BUSHFIRE TRAIL 8

REDBANK CREEK ROAD

78

79

80

81

905

3x1050Ø
IL102.235 IL102.015

MODIFY EXISTING HEADWALL TO ACCOMMODATE PROPOSED GUARDRAIL. REFER DETAIL ON DRG C6491

SWALE DRAIN WITH 1 IN 6 BATTERS (0.3m DEEP) (TURFED)

EXISTING DAM

EXCAVATE OUTLET DRAIN AT 0.2% SLOPE TO ENSURE OUTLET IS FREE DRAINING. (1 IN 4 TURFED BATTERS)

PROPOSED CULVERTS. REFER DRG C6555 FOR DETAILS

REMOVE EXISTING HEADWALL AND EXTEND EXISTING 375 DIA. RCP

DN100 MPVC

DN100 UNK

DN32 PE

DN20 PE

DN50 PE

DN225 AC

DN250

3750
IL 108.127 IL 108.052

HW1 9
HW2 9
HW1 10
HW2 10
HW2 11
HW1 11
HW1 12
HW2 12
HW1 13
HW2 13
HW1 14
HW2 14
HW1 20
HW2 20
HW1 21
HW2 21

LEGEND

EXISTING	PROPOSED
FENCE	OPEN DRAIN
OPEN DRAIN	MOUNTABLE KERB TYPE M4
KERB AND CHANNEL	MOUNTABLE KERB TYPE M6
KERB ONLY	CONTOUR (0.5m)
CONTOUR (1.0m)	ROAD EDGE BITUMEN
ROAD EDGE BITUMEN	ROAD SHOULDER
TREE TO REMAIN	DRAINAGE
	Q50 FLOODED WIDTH

SERVICES (PUP) LEGEND

	EXISTING	PROPOSED
COMMUNICATIONS	C(*)	
DRAINAGE	D(*)	
ELECTRICITY	E(*)	E
O/H ELECTRICITY & POLE		
GAS	G(*)	
SEWERAGE	S(*)	S
WATER MAIN	W(*)	W

REVISIONS:

No.	REVISION DESCRIPTION	DRAWN	DATE
3	ISSUED FOR CONSTRUCTION - AFTER MINOR APPROVAL	MP	23/10/25
2	LOT 81 DRIVEWAY MOVED	MP	11/09/25
1	ISSUED FOR MINOR CHANGE	MP	20/06/25
0	ISSUED FOR CONSTRUCTION	MP	13/03/25

PARKLAKE ADARE

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PARK LAKE ADARE PTY LTD
PO BOX 4107 SPRINGFIELD QLD 4300

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

SCALE
0 7.5 15 22.5 30 37.5m 75m
SCALE 1:750

DRAWING TITLE
DRAINAGE PLAN
SHEET 1

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE	
CK	MP		
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1
JOB No.	DRAWING No.		REVISION
BR242036	C6502		3

FOR CONTINUATION REFER DWG No. C6504

FINAL LOCALISED SHAPE AND EXTENTS OF ROCK PITCHING PROTECTION TO BE CONFIRMED WITH SUPERINTENDENT ONSITE. CONTRACTOR TO NOTIFY SUPERINTENDENT PRIOR TO FINAL TRIMMING INTAKE END.

2

EXCAVATE OUTLET DRAIN AT 0.2% SLOPE TO ENSURE OUTLET IS FREE DRAINING. (1 IN 4 TURFED BATTERS)

EXCAVATE SWALE DRAIN AT 0.3% SLOPE TO ENSURE SWALE IS FREE DRAINING.

EXISTING DAM

BIO RETENTION BASIN 2. REFER DRAWING C6511 FOR DETAILS

EXCAVATE OUTLET DRAIN AT 0.2% SLOPE TO ENSURE OUTLET IS FREE DRAINING. (1 IN 4 TURFED BATTERS)

EXISTING 3x1050Ø RCP'S

3x1050Ø

IL102.235 IL102.015

MODIFY EXISTING HEADWALL TO ACCOMMODATE PROPOSED GUARDRAIL. REFER DETAIL ON DRG C6491

SWALE DRAIN WITH 1 IN 6 BATTERS (0.3m DEEP)

EXISTING DAM

ADARE ROAD

HAMILTON DRIVE

HAMILTON DRIVE

HAMILTON DRIVE

HW1 6, HW2 6, HW1 7, HW2 7, HW1 8, HW2 8, HW1 17, HW2 17, HW1 23, HW2 23, HW1 18, HW2 18, FI1 19, HW2 19

53 54 55 56 57 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 147

LEGEND

EXISTING	PROPOSED
FENCE	OPEN DRAIN
OPEN DRAIN	MOUNTABLE KERB TYPE M4
KERB AND CHANNEL	MOUNTABLE KERB TYPE M6
KERB ONLY	CONTOUR (0.5m)
CONTOUR (1.0m)	ROAD EDGE BITUMEN
ROAD EDGE BITUMEN	ROAD SHOULDER
TREE TO REMAIN	DRAINAGE
	Q50 FLOODED WIDTH

SERVICES (PUP) LEGEND

	EXISTING	PROPOSED
COMMUNICATIONS	C(*)	
DRAINAGE	D(*)	
ELECTRICITY	E(*)	E
O/H ELECTRICITY & POLE		
GAS	G(*)	
SEWERAGE	S(*)	S
WATER MAIN	W(*)	W

FOR CONTINUATION REFER DWG No. C6502

REVISIONS:

No.	REVISION DESCRIPTION	DRAWN	DATE
2	STORMWATER UPDATED	MP	19/01/26
1	PARK WORKS ADDED	MP	24/10/25
0	ISSUED FOR CONSTRUCTION	MP	13/03/25

PARKLAKE ADARE

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CLIENT
PARK LAKE ADARE PTY LTD
PO BOX 4107 SPRINGFIELD QLD 4300

SCALE
0 7.5 15 22.5 30 37.5m 75m
SCALE 1:750

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
DRAINAGE PLAN
SHEET 2

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE	
CK	MP		
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1
JOB No.	DRAWING No.	REVISION	
BR242036	C6503	2	

LEGEND

EXISTING	PROPOSED
FENCE	OPEN DRAIN
OPEN DRAIN	MOUNTABLE KERB TYPE M4
KERB AND CHANNEL	MOUNTABLE KERB TYPE M6
KERB ONLY	CONTOUR (0.5m)
CONTOUR (1.0m)	ROAD EDGE BITUMEN
ROAD EDGE BITUMEN	ROAD SHOULDER
TREE TO REMAIN	DRAINAGE
	Q50 FLOODED WIDTH

SERVICES (PUP) LEGEND

	EXISTING	PROPOSED
COMMUNICATIONS	C(*)	
DRAINAGE	D(*)	
ELECTRICITY	E(*)	E
O/H ELECTRICITY & POLE		
GAS	G(*)	
SEWERAGE	S(*)	S
WATER MAIN	W(*)	W

REVISIONS:			
2	STORMWATER UPDATED	MP	19/01/26
1	PARK WORKS ADDED	MP	24/10/25
0	ISSUED FOR CONSTRUCTION	MP	13/03/25
No.	REVISION DESCRIPTION	DRAWN	DATE

PARKLAKE ADARE

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CLIENT
PARK LAKE ADARE PTY LTD
PO BOX 4107 SPRINGFIELD QLD 4300

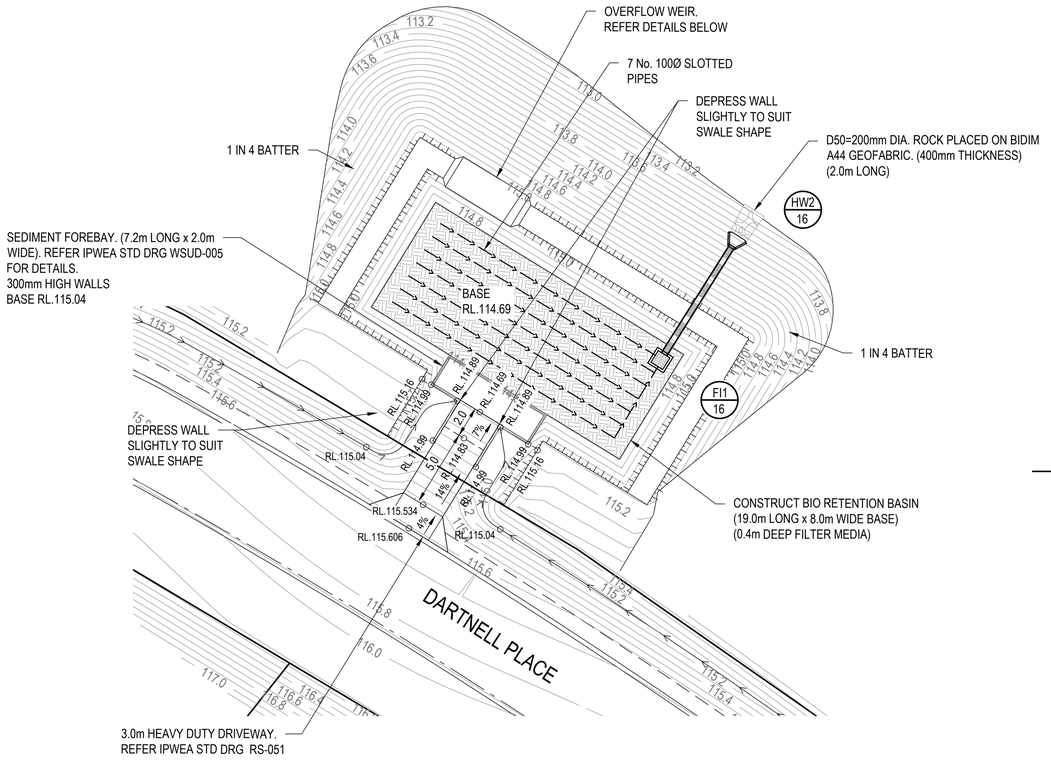
SCALE
0 7.5 15 22.5 30 37.5m 75m
SCALE 1:750

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
DRAINAGE PLAN
SHEET 3

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE	
CK	MP		
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1
JOB No.	DRAWING No.		REVISION
BR242036	C6504		2

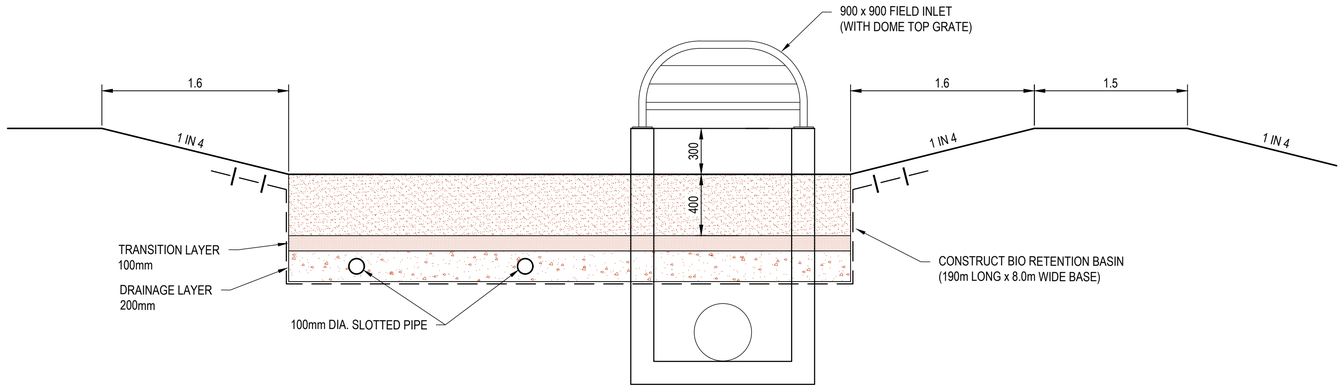


SERVICES (PUP) LEGEND

	EXISTING	PROPOSED
COMMUNICATIONS	C(*)	
DRAINAGE	D(*)	
ELECTRICITY	E(*)	
O/H ELECTRICITY & POLE		
GAS	G(*)	
WATER MAIN	W(*)	

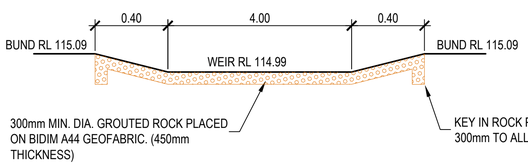
LEGEND

EXISTING	PROPOSED
FENCE	OPEN DRAIN
OPEN DRAIN	MOUNTABLE KERB TYPE M4
MOUNTABLE KERB TYPE M4	MOUNTABLE KERB TYPE M6
MOUNTABLE KERB TYPE M6	CONTOUR (0.1m)
ROAD EDGE BITUMEN	ROAD EDGE BITUMEN
TREE TO REMAIN	ROAD SHOULDER
	DRAINAGE



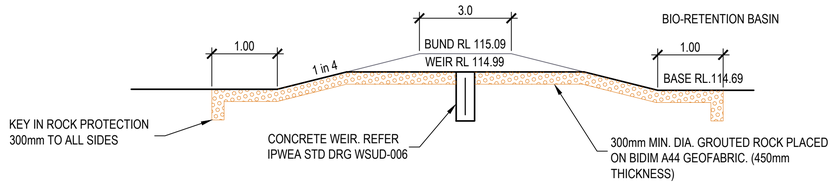
TYPICAL BIORETENTION BASIN SECTION

SCALE 1:20



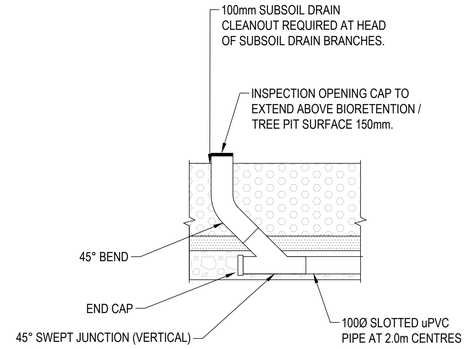
TYPICAL SECTION THROUGH OVERFLOW WEIR

SCALE 1:50



TYPICAL ELEVATION THROUGH OVERFLOW WEIR

SCALE 1:50



TYPICAL CLEANOUT TO SURFACE DETAIL

NTS

0 1 2 3 4 5m

SCALE 1:50

0 1 2 3 4 5 1m 1.5 2m

SCALE 1:20

0 1 2 3 4 5 10m 15 20m

SCALE 1:200

REVISIONS:			
0	ISSUED FOR CONSTRUCTION	MP	13/03/25
No.	REVISION DESCRIPTION	DRAWN	DATE

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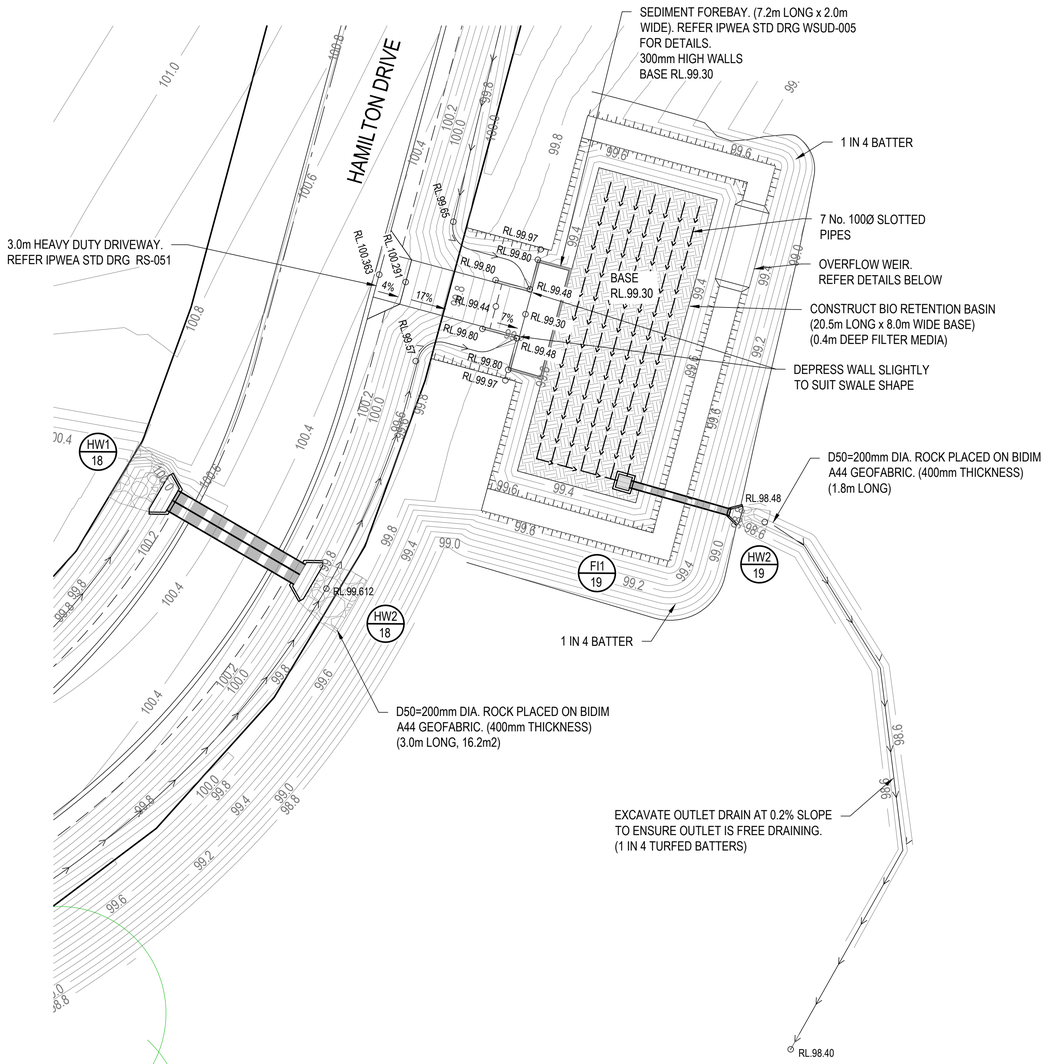
IF IN DOUBT - ASK.

CLIENT	PARK LAKE ADARE PTY LTD PO BOX 4107 SPRINGFIELD QLD 4300
SCALE	
PROJECT TITLE	PROPOSED SUBDIVISION 174 ADARE ROAD, ADARE, QLD 4343 STAGES 6 AND 7
DRAWING TITLE	DRAINAGE BIO RETENTION BASIN 1 DETAILS
DRAWING STATUS	ORIGINAL ISSUE FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE	
CK	MP	CALVIN KIRK RPEQ.19536	
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1
JOB No.		DRAWING No.	REVISION
BR242036		C6510	0

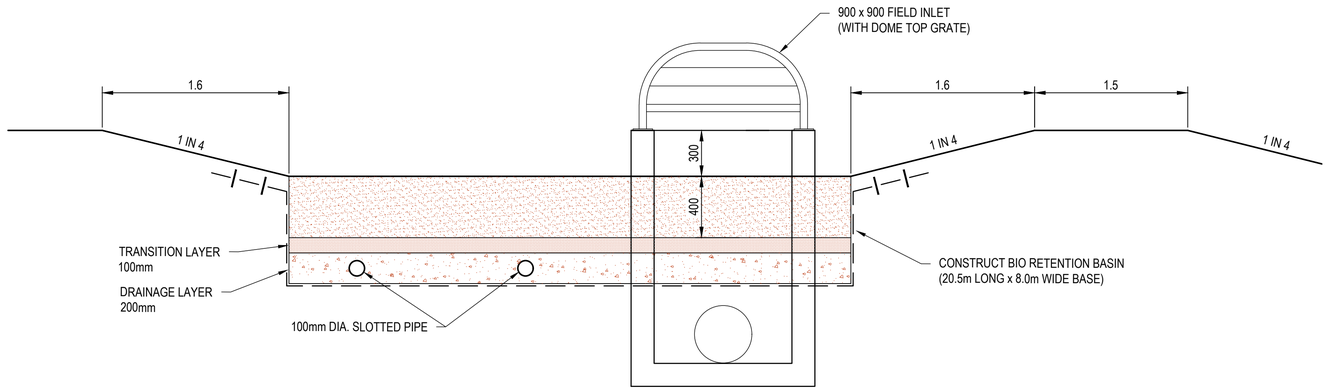


SERVICES (PUP) LEGEND

	EXISTING	PROPOSED
COMMUNICATIONS	C(*)	
DRAINAGE	D(*)	
ELECTRICITY	E(*)	
O/H ELECTRICITY & POLE		
GAS	G(*)	
WATER MAIN	W(*)	

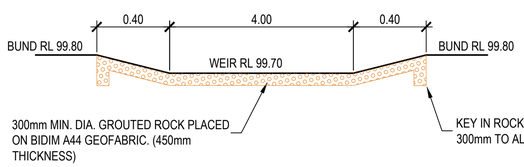
LEGEND

EXISTING	PROPOSED
FENCE	OPEN DRAIN
OPEN DRAIN	MOUNTABLE KERB TYPE M4
MOUNTABLE KERB TYPE M4	MOUNTABLE KERB TYPE M6
MOUNTABLE KERB TYPE M6	CONTOUR (0.1m)
ROAD EDGE BITUMEN	ROAD EDGE BITUMEN
TREE TO REMAIN	ROAD SHOULDER
	DRAINAGE



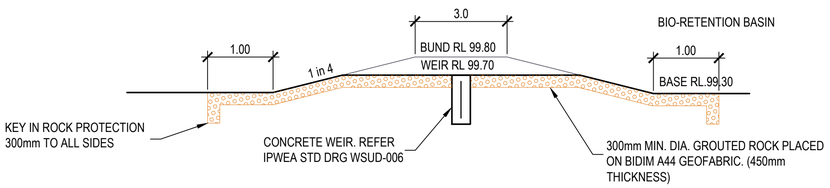
TYPICAL BIORETENTION BASIN SECTION

SCALE 1:20



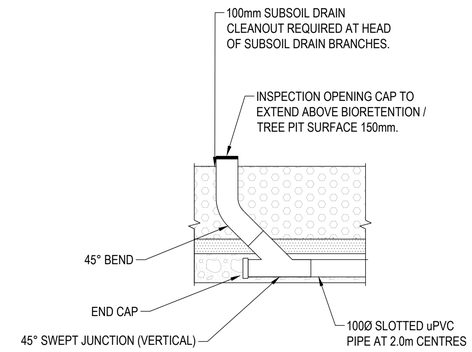
TYPICAL SECTION THROUGH OVERFLOW WEIR

SCALE 1:50



TYPICAL ELEVATION THROUGH OVERFLOW WEIR

SCALE 1:50



TYPICAL CLEANOUT TO SURFACE DETAIL

NTS

0 1 2 3 4 5m

SCALE 1:50

0 1 2 3 4 5 1m 1.5 2m

SCALE 1:20

0 1 2 3 4 5 10m 15 20m

SCALE 1:200

REVISIONS:			
0	ISSUED FOR CONSTRUCTION	MP	13/03/25
No.	REVISION DESCRIPTION	DRAWN	DATE

PARKLAKE ADARE

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PO BOX 4107 SPRINGFIELD QLD 4300

SCALE

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
DRAINAGE BIO RETENTION BASIN 2 DETAILS

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE
CK	MP	CALVIN KIRK RPEQ:19536

DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1

JOB No.	DRAWING No.	REVISION
BR242036	C6511	0

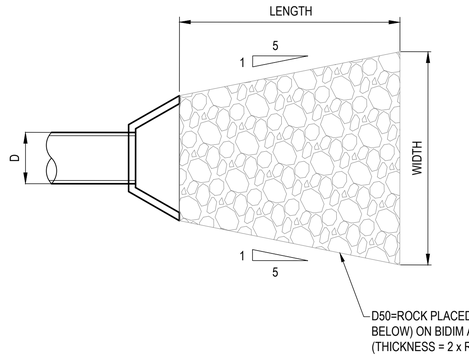
STRUCTURE NAME	HW1/1	HW2/1	HW1/2	HW2/2	HW1/3	HW2/3	HW1/4	HW2/4	HW1/5	HW2/5	HW1/6	HW2/6	HW1/7	HW2/7	HW1/8	HW2/8	HW1/9	HW2/9
STRUCTURE DESCRIPTION	SLOPED CONCRETE HEADWALL	SLOPED CONCRETE HEADWALL	SLOPED CONCRETE HEADWALL	SLOPED CONCRETE HEADWALL	SLOPED CONCRETE HEADWALL	SLOPED CONCRETE HEADWALL	CONCRETE HEADWALL	CONCRETE HEADWALL	CONCRETE HEADWALL	CONCRETE HEADWALL	CONCRETE HEADWALL	CONCRETE HEADWALL	CONCRETE HEADWALL	CONCRETE HEADWALL	CONCRETE HEADWALL	CONCRETE HEADWALL	SLOPED CONCRETE HEADWALL	SLOPED CONCRETE HEADWALL
PIPE SIZE (mm)		375Ø		375Ø		450Ø		(2x)375Ø		(2x)450Ø		(2x)750x375		(2x)750x375		(2x)900x375		375Ø
PIPE CLASS		4		4		4		4		4		BC		BC		BC		4
PIPE GRADE (%)		3.43%		4.36%		4.49%		4.13%		3.57%		5.75%		3.94%		1.49%		3.40%
PIPE SLOPE (1 in X)		1 in 29		1 in 23		1 in 22		1 in 24		1 in 28		1 in 17		1 in 25		1 in 67		1 in 29
FULL PIPE VELOCITY (m/s)		2.94		3.32		3.80		3.23		3.39		4.61		3.82		2.44		2.93
PART FULL VELOCITY (m/s)		1.87		2.77		3.34		3.06		3.16		3.82		3.55		2.59		1.87
DATUM RL		106.0		105.0		103.0		101.0		99.0		97.0		92.0		91.0		91.0
H.G.L IN PIPE & W.S.E IN STRUCTURE	119.055	119.012	119.012	117.454	117.290	115.818	115.643	114.156	113.662	111.894	111.425	109.495	108.780	105.250	105.021	103.844	103.689	104.084	104.086
PIPE FLOW (Cumecs)		0.032		0.094		0.184		0.290		0.409		0.720		0.850		1.002		0.032	
PIPE CAPACITY AT GRADE (Cumecs)		0.325		0.366		0.604		0.713		1.078		2.593		2.148		1.644		0.324	
DEPTH TO INVERT		0.525	0.525	0.525	0.525	0.600	0.600	0.525	0.525	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.525	0.525
INVERT LEVEL OF DRAIN		118.884	118.637	117.229	116.915	115.516	115.193	113.875	113.280	111.575	110.975	109.208	108.405	104.930	104.646	103.528	103.314	103.966	103.711
DESIGN SURFACE LEVEL	119.409		119.162	117.440		116.116	115.793		113.805	112.175	111.575	109.808	109.005	105.530	104.128	104.128	103.914	104.481	104.236
SETOUT COORDINATES	E 429377.970 N 6954710.264		E 429378.713 N 6954703.103	E 429381.915 N 6954669.451	E 429382.390 N 6954662.274	E 429384.622 N 6954629.545	E 429385.050 N 6954622.358	E 429387.451 N 6954589.646	E 429388.307 N 6954575.274	E 429391.917 N 6954540.063	E 429392.891 N 6954523.289	E 429393.436 N 6954487.823	E 429394.267 N 6954473.871	E 429398.265 N 6954407.975	E 429398.693 N 6954400.788	E 429400.709 N 6954368.636	E 429401.565 N 6954354.262	E 429402.113 N 6954247.496	E 429402.454 N 6954254.688
CHAINAGE	0.000	7.200	7.200	0.000	7.200	7.200	0.000	7.200	7.200	0.000	14.398	14.398	0.000	13.977	13.977	0.000	7.200	7.200	0.000	7.200	7.200
LINE		1		2		3		4		5		6		7		8		9	

ALL PIPEWORK TO BE RCP OR FIBRE REINFORCED CONCRETE TO THE SIZES NOMINATED.

ALL BEDDING AND BACKFILLING OF PIPE TRENCHES AS PER IPWEAQ STANDARD DRAWING DS-030

ALL DRAINAGE FIELD INLETS AS PER IPWEAQ STANDARD DRAWING DS-050

Q10 HGL



D50=ROCK PLACED (REFER TABLE BELOW) ON BIDIM A44 GEOFABRIC. (THICKNESS = 2 x ROCK DIA.)

INLET / OUTLET PROTECTION DETAIL

PROVIDE TO ALL INLETS AND OUTLETS
N.T.S.

LOCATION	LENGTH	ROCK DIA.
INLETS	1.50	200
HW2/1	1.50	200
HW2/2	2.25	300
HW2/3	2.70	300
HW2/4	2.25	300
HW2/5	2.70	300
HW2/6	2.25	400
HW2/7	2.25	400
HW2/8	1.50	200
HW2/9	1.50	200
HW2/10	2.25	300
HW2/11	1.50	200
HW2/12	2.25	300
HW2/13	2.25	300
HW2/14	1.50	200
HW2/15	2.25	300
~~HW2/16~~	~~2.00~~	~~200~~
HW1/17	4.50	200
~~HW2/17~~	~~1.50~~	~~200~~
HW2/18	3.00	200
HW2/19	1.80	200
HW1/20	1.50	200
HW1/21	1.50	200
HW2/21	1.50	200

2

TYPICAL FIELD INLET SETOUT

SCALE 1:50

DENOTES SETOUT POINT

TYPICAL HEADWALL SETOUT

SCALE 1:50

DENOTES SETOUT POINT

0 10 20 30 40 50m 100m
SCALE 1:1000 (HORIZONTAL)

0 1 2 3 4 5m
SCALE 1:50

0 1 2 3 4 5m 10m
SCALE 1:100 (VERTICAL)

REVISIONS:			
2	STORMWATER UPDATED	MP	12/01/26
1	NOTED UPDATED	MP	20/05/25
0	ISSUED FOR CONSTRUCTION	MP	13/03/25
No.	REVISION DESCRIPTION	DRAWN	DATE

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CLIENT
PARK LAKE ADARE PTY LTD
PO BOX 4107 SPRINGFIELD QLD 4300

SCALE

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
DRAINAGE LONGITUDINAL SECTIONS
SHEET 1

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE
CK	MP	CALVIN KIRK RPEQ:19536
DRAFTSPERSON	SCALE	DATE
MP	AS SHOWN	13/03/25

SHEET SIZE: A1

JOB No.: BR242036
DRAWING No.: C6550
REVISION: 2

STRUCTURE NAME	HW1/10	HW2/10	HW1/11	HW2/11	HW1/12	HW2/12	HW1/13	HW2/13	HW1/14	HW2/14	HW1/15	HW2/15	FI1/16	HW2/16	HW1/17	HW2/17	HW1/18	HW2/18	FI1/19	HW2/19	HW1/22	HW2/22	HW1/23	HW2/23
STRUCTURE DESCRIPTION	SLOPED CONCRETE HEADWALL	SLOPED CONCRETE HEADWALL	JOIN NEATLY TO EXISTING HEADWALL	SLOPED CONCRETE HEADWALL	SLOPED CONCRETE HEADWALL	SLOPED CONCRETE HEADWALL	SLOPED CONCRETE HEADWALL	SLOPED CONCRETE HEADWALL	SLOPED CONCRETE HEADWALL	SLOPED CONCRETE HEADWALL	SLOPED CONCRETE HEADWALL	SLOPED CONCRETE HEADWALL	900 x 900 FIELD INLET (WITH DOME TOP GRATE)	CONCRETE HEADWALL	CONCRETE HEADWALL	CONCRETE HEADWALL	CONCRETE HEADWALL	CONCRETE HEADWALL	900 x 900 FIELD INLET (WITH DOME TOP GRATE)	CONCRETE HEADWALL	CONCRETE HEADWALL	CONCRETE HEADWALL	CONCRETE HEADWALL	CONCRETE HEADWALL
PIPE SIZE (mm)		375Ø		375Ø		375Ø		375Ø		375Ø		375Ø		375Ø		750x300Ø		(2x)750x300		450Ø		375Ø		375Ø
PIPE CLASS		4		4		4		4		4		4		2		BC		BC		2		4		4
PIPE GRADE (%)		4.82%		0.96%		5.57%		3.75%		0.67%		3.87%		0.57%		2.28%		0.29%		0.49%		9.94%		3.69%
PIPE SLOPE (1 in X)		1 in 21		1 in 104		1 in 18		1 in 27		1 in 150		1 in 26		1 in 176		1 in 44		1 in 343		1 in 205		1 in 10		1 in 27
FULL PIPE VELOCITY (m/s)		3.49		1.55		3.75		3.08		1.30		3.12		1.20		2.62		1.09		1.25		5.01		3.05
PART FULL VELOCITY (m/s)		1.94		0.98		2.35		2.25		1.37		1.96		1.36		2.83		1.41		1.42		2.48		2.14
DATUM RL		93.0		96.0		92.0		88.0		86.0		106.0		102.0		88.0		87.0		86.0		98.0		89.0
H.G.L IN PIPE & W.S.E IN STRUCTURE	105.774	105.742	108.406	108.404	104.772	104.726	100.334	100.269	98.389	98.334	118.752	118.709	113.982	113.873	101.100	100.836	100.075	99.929	99.065	98.958	110.841	110.819	101.632	101.611
		105.659		108.404		104.168		100.205		98.321		118.305		113.825		100.562		99.906		98.930		110.600		101.615
PIPE FLOW (Cumecs)		0.024		0.016		0.039		0.054		0.089		0.032		0.132		0.378		0.570		0.187		0.023		0.046
PIPE CAPACITY AT GRADE (Cumecs)		0.385		0.172		0.414		0.340		0.143		0.345		0.132		0.589		0.491		0.199		0.553		0.337
DEPTH TO INVERT	0.525	0.525	0.868	0.525	0.525	0.525	0.538	0.519	0.525	0.525	0.525	0.525	1.490	0.575	0.680	0.680	0.560	0.608	1.085	0.650	0.625	0.625	0.625	0.625
		0.525		0.525		0.525		0.519		0.525		0.525		0.575		0.680		0.608		0.650		0.625		0.625
INVERT LEVEL OF DRAIN	105.631	105.284	108.052	108.029	104.584	103.793	100.100	99.830	97.994	97.946	118.580	117.930	113.500	113.450	100.540	100.262	99.600	99.572	98.515	98.480	110.710	110.225	101.330	101.240
		105.284		108.029		103.793		99.830		97.946		117.930		113.450		100.262		99.572		98.480		110.225		101.240
DESIGN SURFACE LEVEL	106.156	105.809	108.920	108.554	105.109	104.318	100.638	100.349	98.519	98.471	119.105	118.455	114.990	114.025	101.220	100.942	100.260	100.260	99.600	99.130	111.335	110.850	101.955	101.865
		105.809		108.554		104.318		100.349		98.471		118.455		114.025		100.942		100.260		99.130		110.850		101.865
SETOUT COORDINATES	E 429399.277	E 429399.947	E 429410.017	E 429410.399	E 429475.928	E 429489.965	E 429562.951	E 429570.072	E 429718.528	E 429725.645	E 429609.481	E 429621.789	E 429609.213	E 429614.976	E 429866.816	E 429875.290	E 429775.165	E 429782.639	E 429804.488	E 429811.038	E 429779.341	E 429783.580	E 429873.008	E 429874.257
	N 6954209.494	N 6954216.663	N 6954094.970	N 6954097.339	N 6954087.565	N 6954085.418	N 6954074.486	N 6954073.423	N 6954050.843	N 6954049.755	N 6954531.066	N 6954519.632	N 6954768.801	N 6954775.459	N 6954409.041	N 6954400.265	N 6954200.092	N 6954194.062	N 6954196.795	N 6954193.806	N 6954490.675	N 6954488.259	N 6954432.622	N 6954430.526
CHAINAGE	0.000	7.200	0.000	2.400	0.000	14.200	0.000	7.200	0.000	7.200	0.000	16.800	0.000	8.806	0.000	12.200	0.000	9.602	0.000	7.200	0.000	4.880	0.000	2.440
	7.200	7.200	2.400	2.400	14.200	14.200	7.200	7.200	7.200	7.200	16.800	16.800	8.806	8.806	12.200	12.200	9.602	9.602	7.200	7.200	4.880	4.880	2.440	2.440
LINE	10		11		12		13		14		15		16		17		18		19		22		23	

ALL PIPEWORK TO BE RCP OR FIBRE REINFORCED CONCRETE TO THE SIZES NOMINATED.

ALL BEDDING AND BACKFILLING OF PIPE TRENCHES AS PER IPWEAQ STANDARD DRAWING DS-030

ALL DRAINAGE FIELD INLETS AS PER IPWEAQ STANDARD DRAWING DS-050

Q10 HGL

Q10 HGL

Q10 HGL

Q10 HGL

Q10 HGL

Q10 HGL

DN1800 WATER CLR 0.30

Q3mth HGL

Q10 HGL

6

Q10 HGL

Q3mth HGL

Q10 HGL

Q10 HGL

0 10 20 30 40 50m 100m

SCALE 1:1000 (HORIZONTAL)

0 1 2 3 4 5m 10m

SCALE 1:100 (VERTICAL)

REVISIONS:			
6	SETOUT UPDATED	MP	29/01/26
5	STORMWATER UPDATED	MP	19/01/26
4	PARK WORKS ADDED	MP	05/11/25
3	ISSUED FOR CONSTRUCTION - AFTER MINOR APPROVAL	MP	23/10/25
2	LOT 81 DRIVEWAY / LINE 13 MOVED	MP	11/09/25
1	NOTED UPDATED	MP	20/05/25
0	ISSUED FOR CONSTRUCTION	MP	13/03/25
No.	REVISION DESCRIPTION	DRAWN	DATE

PARKLAKE ADARE

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IF IN DOUBT - ASK.

CLIENT
PARK LAKE ADARE PTY LTD
PO BOX 4107 SPRINGFIELD QLD 4300

SCALE

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
DRAINAGE LONGITUDINAL SECTIONS
SHEET 2

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE
CK	MP	CALVIN KIRK RPEQ:19536
DRAFTSPERSON	SCALE	DATE
MP	AS SHOWN	13/03/25
JOB No.	DRAWING No.	REVISION
BR242036	C6551	6

SHEET SIZE A1

REMOVE EXISTING HEADWALL, EXTEND CULVERT BY 2.4m AND CONSTRUCT NEW HEADWALL

1 x 1200 x 300 RCBC WITH PRECAST CONCRETE BASE SLABS AND PRECAST CONCRETE HEADWALL IN ACCORDANCE WITH TMR STD DRG SD1243.

EX.97.710

EX.97.750

FILLTO RL.97.870

HW1 20

HW1 21

EXISTING OPEN DRAIN TO BE CLEANED OF SILT AND REGRADED TO FALL EITHER WAY TO THE STORMWATER CULVERTS

EXISTING OPEN DRAIN TO BE CLEANED OF SILT AND REGRADED BETWEEN EXISTING CULVERTS TO AVOID PONDING

EX.97.860

EX.97.771

EX.97.798

EXISTING OPEN DRAIN TO BE CLEANED OF SILT AND REGRADED BETWEEN EXISTING CULVERTS TO AVOID PONDING

EX IL97.749

EXISTING 1200x300 RCBC'S

EX IL97.693

IL97.745

9.76m LONG (0.7%)

IL97.677

0.329m PAVEMENT
0.175m ROOF SLAB
0.300m RCBC

0.342m PAVEMENT
0.175m ROOF SLAB
0.300m RCBC

0.436m PAVEMENT
0.175m ROOF SLAB
0.300m RCBC

0.468m PAVEMENT
0.175m ROOF SLAB
0.300m RCBC

NOTE: -
FINAL STORMWATER SETOUT AND DESIGN LEVELS TO BE CONFIRMED WITH THE SUPERINTENDENT PRIOR TO CONSTRUCTION.

1

REDBANK CREEK ROAD

DN250

DN225 AC

DN400

POT HOLE LOCATION
TOP OF GAS MAIN RL.97.273

POT HOLE LOCATION
TOP OF GAS MAIN RL.95.892

EXCAVATE OPEN DRAIN AT 0.2% MIN. SLOPE TO ENSURE NEW CULVERTS FREE DRAIN TO THE EXISTING OPEN DRAIN (TURF LINED)

5 x 1200 x 300 RCBC'S WITH PRECAST CONCRETE BASE SLABS AND PRECAST CONCRETE HEADWALLS IN ACCORDANCE WITH TMR STD DRG SD1243.

NOTE: -
AN APA REPRESENTATIVE WILL BE REQUIRED ON SITE DURING THE CULVERT CONSTRUCTION.

EXISTING OPEN DRAIN

98.20 98.20 98.20 97.46 97.52 97.84 97.80 97.95 97.87 97.86 98.12 98.17 97.85 97.92 97.75 97.55 97.57 97.80 97.72 97.78 97.58 97.73 97.95 97.60 97.78 97.65 97.87 97.85 97.82 97.57 97.79 97.88 97.81 97.58 97.82 97.83 97.72 97.74 97.66 97.74 97.73 97.57 97.60 97.58 97.79 97.66 97.80 97.58 97.89 97.81 97.79 97.54 97.77 97.79 97.52 97.71 97.48 97.72 97.51

LEGEND

EXISTING	PROPOSED
FENCE	OPEN DRAIN
OPEN DRAIN	MOUNTABLE KERB TYPE M4
MOUNTABLE KERB TYPE M4	MOUNTABLE KERB TYPE M6
MOUNTABLE KERB TYPE M6	CONTOUR (0.1m)
ROAD EDGE BITUMEN	ROAD EDGE BITUMEN
TREE TO REMAIN	ROAD SHOULDER
	DRAINAGE

SERVICES (PUP) LEGEND

	EXISTING	PROPOSED
COMMUNICATIONS	C(*)	
DRAINAGE	D(*)	
ELECTRICITY	E(*)	
O/H ELECTRICITY & POLE		
GAS	G(*)	
WATER MAIN	W(*)	W

REDBANK CREEK ROAD

EXISTING SURFACE

0.90 0.36

TYPICAL CULVERT SECTION

SCALE 1:50

EXISTING DN250 GAS MAIN. LEVEL SHOWN BASED ON POT HOLE DEPTH

EXISTING DN225 AC WATER MAIN. DEPTH UNKNOWN

EXISTING COMMUNICTIONS. DEPTH UNKNOWN

EXISTING DN400 GAS MAIN. LEVEL SHOWN BASED ON POT HOLE DEPTH

0 1 2 3 4 5m

SCALE 1:50

REVISIONS:

No.	REVISION DESCRIPTION	DRAWN	DATE
1	NOTE ADDED	MP	11/06/25
0	ISSUED FOR CONSTRUCTION	MP	13/03/25

PARKLAKE ADARE

N

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CLIENT
PARK LAKE ADARE PTY LTD
PO BOX 4107 SPRINGFIELD QLD 4300

SCALE
0 1 2 3 4 5m 10m
SCALE 1:100

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
DRAINAGE CULVERT DETAILS

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE
CK	MP	CALVIN KIRK RPEQ:19536
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1
JOB No.		DRAWING No.	REVISION
BR242036		C6555	1

LOCATION			SUB-CATCHMENT RUNOFF						INLET DESIGN							DRAIN DESIGN										HEAD LOSSES							PART FULL		DESIGN LEVELS						
			Tc	I		A	CA	Qc	Qa										Cg	Qb		Tc	I	CA	Qrat	Q	L	S		Vf=Q/A	Qcap	Vcap	Vt		Vf²/2g	Ku	hu	Kw	hw	Sf	hf	dn	Vn							
STRUCTURE No.	CATCHMENT CONTRIBUTING	DRAIN SECTION	SUB-CATCHMENT TIME OF CONC.	RAINFALL INTENSITY	CO-EFFICIENT OF RUNOFF	SUB-CATCHMENT AREA	EQUIVALENT AREA	SUB-CATCHMENT DISCHARGE	FLOW IN K&C (INC. BYPASS)	HALF ROAD CAPACITY	FLOW WIDTH	FLOW DEPTH	FLOW DxV	ROAD GRADE AT INLET	ROAD XFALL AT INLET	INLET TYPE	BLOCKAGE FACTOR	INLET CURVE	FLOW INTO INLET	BYPASS FLOW	BYPASS STRUCTURE No.	CRITICAL TIME OF CONC.	RAINFALL INTENSITY	TOTAL (C x A)	PEAK FLOW	PIPE FLOW	REACH LENGTH	PIPE GRADE	PIPE SIZE	FULL PIPE VELOCITY	CAPACITY FLOW	CAPACITY VELOCITY	TRAVEL VELOCITY	CHART(S) USED	VELOCITY HEAD	U/S HEAD LOSS COEFFICIENT	U/S HEAD LOSS	W.S.E COEFFICIENT	CHANGE IN W.S.E	PIPE FRICTION SLOPE	PIPE FRICTION HEAD LOSS	NORMAL DEPTH	NORMAL DEPTH VEL.	PIPE U/S I.L	PIPE D/S I.L	PIPE U/S H.G.L	PIPE D/S H.G.L	W.S.E	SURFACE LEVEL	FREEBOARD	STRUCTURE No.
			min	mm/h		ha	ha	L/s	L/s	L/s	m	m	m^2/s	%	%				L/s	L/s		min	mm/hr	ha	L/s	L/s	m	%	mm	m/s	L/s	m/s	m/s		m		m		m	%	m	m	m/s	m	m	m	m	m			
HW1/1	HW1/1	HW1/1 to HW2/1	8.418902	158.7515	0.6	0.120514	0.072308	31.88629	31.88629							SLOPED CONCRETE HEADWALL	0.8		31.88629			8.418902	158.7515	0.072308	31.88629	31.88629	7.2	3.430556	375	0.288703	324.8802	2.941513	2	Inlet Control	0.004253	10.12422	0.043054		0.043054	-2.3E-05	0.042553	0.079371	1.870092	118.884	118.637	119.012	119.012	119.0551	119.484	0.428948	HW1/1
HW2/1	HW2/1															SLOPED CONCRETE HEADWALL																																119.012	119.162		HW2/1
HW1/2	HW1/2	HW1/2 to HW2/2	9.76772	149.5795	0.6	0.376235	0.225741	93.79508	93.79508							SLOPED CONCRETE HEADWALL	0.8		93.79508			9.76772	149.5795	0.225741	93.79508	93.79508	7.2	4.361111	375	0.849234	366.3022	3.316554	2	Inlet Control	0.036796	2.962544	0.109009		0.109009	2.274293	0.22096	0.129448	2.774456	117.229	116.915	117.4537	117.29	117.5628	117.829	0.266241	HW1/2
HW2/2	HW2/2															SLOPED CONCRETE HEADWALL																																117.29	117.44		HW2/2
HW1/3	HW1/3	HW1/3 to HW2/3	11.29597	142.0386	0.6	0.778976	0.467386	184.4077	184.4077							SLOPED CONCRETE HEADWALL	0.8		184.4077			11.29597	142.0386	0.467386	184.4077	184.4077	7.2	4.486111	450	1.159482	604.1238	3.798491	2	Inlet Control	0.068592	2.44249	0.167535		0.167535	2.434786	0.241131	0.170624	3.335112	115.516	115.193	115.8183	115.643	115.9858	116.116	0.130161	HW1/3
HW2/3	HW2/3															SLOPED CONCRETE HEADWALL																																115.643	115.793		HW2/3
HW1/4	HW1/4	HW1/4 to HW2/4	11.34535	141.8114	0.6	1.228773	0.737264	290.4233	290.4233							SLOPED CONCRETE HEADWALL	0.8		290.4233			11.34535	141.8114	0.737264	290.4233	290.4233	14.39756	4.132645	(2x)375	1.314768	713.1568	3.228513	2	Inlet Control	0.088195	2.212939	0.195169		0.195169	3.433684	0.542707	0.166653	3.062128	113.875	113.28	114.156	113.6616	114.3512	114.635	0.283849	HW1/4
HW2/4	HW2/4															SLOPED CONCRETE HEADWALL																																113.6616	113.805		HW2/4
HW1/5	HW1/5	HW1/5 to HW2/5	12.03951	138.6182	0.6	1.770518	1.062311	409.0435	409.0435							CONCRETE HEADWALL	0.8		409.0435			12.03951	138.6182	1.062311	409.0435	409.0435	16.80244	3.57091	(2x)450	1.285952	1077.979	3.388952	2	Inlet Control	0.084371	2.27899	0.192281		0.192281	2.789321	0.531467	0.192224	3.155007	111.575	110.975	111.8937	111.425	112.086	112.175	0.089045	HW1/5
HW2/5	HW2/5															CONCRETE HEADWALL																																111.425	111.575		HW2/5
HW1/6	HW1/6	HW1/6 to HW2/6	12.34	137.236	0.6	3.149701	1.889821	720.4206	720.4206							CONCRETE HEADWALL	0.8		720.4206			12.34	137.236	1.889821	720.4206	720.4206	13.97709	5.745116	2x)750x37	1.280749	2592.793	4.609414	2	Inlet Control	0.08369	2.320794	0.194227		0.194227	5.11255	0.774189	0.125815	3.817358	109.208	108.405	109.4946	108.78	109.6888	109.808	0.119188	HW1/6
HW2/6	HW2/6															CONCRETE HEADWALL																																108.78	109.005		HW2/6
HW1/7	HW1/7	HW1/7 to HW2/7	14.65952	126.5662	0.6	4.029807	2.417884	850.0623	850.0623							CONCRETE HEADWALL	0.8		850.0623			14.65952	126.5662	2.417884	850.0623	850.0623	7.2	3.944444	2x)750x37	1.511223	2148.381	3.819349	2	Inlet Control	0.11652	2.027575	0.236253		0.236253	3.180702	0.272496	0.159664	3.54939	104.93	104.646	105.25	105.021	105.4863	105.53	0.043736	HW1/7
HW2/7	HW2/7															CONCRETE HEADWALL																																105.021	105.246		HW2/7
HW1/8	HW1/8	HW1/8 to HW2/8	14.65952	126.5662	0.6	4.752147	2.851288	1002.435	1002.435							CONCRETE HEADWALL	0.8		1002.435			14.65952	126.5662	2.851288	1002.435	1002.435	14.4	1.486111	2x)900x37	1.485091	1643.896	2.435404	2	Inlet Control	0.112525	2.09421	0.235652		0.235652	1.078547	0.200941	0.214787	2.592836	103.528	103.314	103.8443	103.689	104.08	104.128	0.048038	HW1/8
HW2/8	HW2/8															CONCRETE HEADWALL																																103.689	103.914		HW2/8
HW1/9	HW1/9	HW1/9 to HW2/9	14.65952	126.5662	0.6	0.152289	0.091373	32.1244	32.1244							SLOPED CONCRETE HEADWALL	0.8		32.1244			14.65952	126.5662	0.091373	32.1244	32.1244	7.2	3.402778	375	0.290859	323.5622	2.92958	2	Inlet Control	0.004316	10.04326	0.043349		0.043349	-0.02094	0.041187	0.079826	1.868766	103.956	103.711	104.0845	104.086	104.1278	104.556	0.428158	HW1/9
HW2/9	HW2/9															SLOPED CONCRETE HEADWALL																																104.086	104.236		HW2/9
HW1/10	HW1/10	HW1/10 to HW2/10	14.65952	126.5662	0.6	0.114477	0.068686	24.1482	24.1482							SLOPED CONCRETE HEADWALL	0.8		24.1482			14.65952	126.5662	0.068686	24.1482	24.1482	7.2	4.819444	375	0.218641	385.0698	3.486479	2	Inlet Control	0.002439	13.28224	0.032395		0.032395	1.150975	0.120326	0.063679	1.942703	105.631	105.284	105.7419	105.659	105.7743	106.231	0.456735	HW1/10
HW2/10	HW2/10															SLOPED CONCRETE HEADWALL																																105.659	105.809		HW2/10
EX1/11	EX1/11	EX1/11 to HW2/11	14.65952	126.5662	0.6	0.077152	0.046291	16.27473	16.27473							JOIN NEATLY TO	0.8		16.27473			14.65952	126.5662	0.046291	16.27473	16.27473	2.4	0.958333	375	0.147354	171.7115	1.554701	2	Outlet Control	0.001108	1.580216	0.001751		0.001751	-0.01033		0.078009	0.978357	108.052	108.029	108.4038	108.404	108.4055	108.92	0.514497	EX1/11
HW2/11	HW2/11															SLOPED CONCRETE HEADWALL																																108.404	108.554		HW2/11
HW1/12	HW1/12	HW1/12 to HW2/12	14.65952	126.5662	0.6	0.183454	0.110072	38.69846	38.69846							SLOPED CONCRETE HEADWALL	0.8		38.69846			14.65952	126.5662	0.110072	38.69846	38.69846	14.2	5.570423	375	0.350382	413.9854	3.748285	2	Inlet Control	0.006264	7.340707	0.04598		0.04598	3.926235	0.60374	0.077476	2.349273	104.584	103.793	104.7255	104.168	104.7715	105.184	0.412495	HW1/12
HW2/12	HW2/12															SLOPED CONCRETE HEADWALL																																104.168	104.318		HW2/12
HW1/13	HW1/13	HW1/13 to HW2/13	14.65952	126.5662	0.6	0.256449	0.153869	54.09629	54.09629							SLOPED CONCRETE HEADWALL	0.8		54.09629			14.65952	126.5662	0.153869	54.09629	54.09629	7.2	4.430556	375	0.489796	369.2071	3.342856	2	Inlet Control	0.01224	5.219948	0.063891		0.063891	1.562752	0.164766	0.097015	2.38742	100.46	100.141	100.6285	100.516	100.6924	101.06	0.367591	HW1/13
HW2/13	HW2/13															SLOPED CONCRETE HEADWALL																																100.516	100.666		HW2/13
HW1/14	HW1/14	HW1/14 to HW2/14	14.65952	126.5662	0.6	0.422043	0.253226	89.0273	89.0273							SLOPED CONCRETE HEADWALL	0.8		89.0273			14.65952	126.5662	0.253226	89.0273	89.0273	7.2	0.666667	375	0.806066	143.2173	1.29671	2	Outlet Control	0.03315	1.653552	0.054815		0.054815	0.176806	0.016124	0.214114	1.366082	97.994	97.946	98.33373	98.321	98.38855	98.519	0.130454	HW1/14
HW2/14	HW2/14															SLOPED CONCRETE HEADWALL																																98.321	98.471		HW2/14
HW1/15	HW1/15	HW1/15 to HW2/15	14.65952	126.5662	0.6	0.153153	0.091892	32.30666	32.30666							CONCRETE HEADWALL	0.8		32.30666			14.65952	126.5662	0.091892	32.30666	32.30666	16.79953	3.869155	375	0.292509	345.0238	3.123896	2	Inlet Control	0.004365	9.772679	0.042662		0.042662	2.404054	0.446671	0.07754	1.95892	118.58	117.93	118.7089	118.305	118.7515	119.105	0.353469	HW1/15
HW2/15	HW2/15															CONCRETE HEADWALL																																118.305	118.455		HW2/15
FI1/16	FI1/16	FI1/16 to HW2/16														900 x 900 FIELD INLET	0.5					5	182		132	132	8.806112	0.567787	375	1.195148	132.1703	1.196689	2	Outlet Control	0.072876	1.502346	0.109486		0.109486	0.542381	0.047877	0.307068	1.363593	113.5	113.45	113.8728	113.825	113.9822	114.99	1.007752	FI1/16
HW2/16	HW2/16															CONCRETE HEADWALL																																113.825	114.025		HW2/16
HW1/17	HW1/17	HW1/17 to HW2/17	13.5	131.9	0.6	1.187093	0.712256	260.9626	260.9626							CONCRETE HEADWALL	0.8		260.9626			13.5	131.9	0.712256	260.9626	260.9626	10.44192	0.40031	750x300	1.159835	247.0275	1.097901	2	Outlet Control	0.068634	1.4	0.096087		0.096087	0.446747	0.046649	0.252313	1.379044	100.304	100.2622	100.6088	100.5622	100.7049	100.98	0.145064	HW1/17
HW2/17	HW2/17															CONCRETE HEADWALL																																100.5622	100.93		HW2/17
HW1/18	HW1/18	HW1/18 to HW2/18	15	125	0.6	2.734424	1.640654	569.6717	569.6717							CONCRETE HEADWALL	0.8		569.6717			15	125	1.640654	569.6717	569.6717	9.602442	0.395733	2x)750x30	1.265938	491.2225	1.091607	2	Inlet Control	0.081765	1.7856	0.146		0.146	0.238734	0.032389	0.269786	1.407713	99.65	99.612	99.92879	99.90587	100.0748	100.308	0.233208	HW1/18
HW2/18	HW2/18															CONCRETE HEADWALL																																99.90587	100.26		HW2/18
FI1/19	FI1/19	FI1/19 to HW2/19														900 x 900 FIELD INLET	0.5					5	182		187	187	7.199665	0.488912	450	1.175782	199.4372	1.253982	2	Outlet Control	0.070534	1.509848	0.106495		0.106495	0.391918	0.02868	0.346049	1.424892	98.5152	98.48	98.95822	98.93	99.06471	99.6	0.535288	FI1/19
HW2/19	HW2/19															CONCRETE HEADWALL																																98.93	99.13		HW2/19
HW1/22	HW1/22	HW1/22 to HW2/22	14.65952	126.5662	0.6	0.110514	0.066308	23.31223	23.31223							CONCRETE HEADWALL	0.8		23.31223			14.65952	126.5662	0.066308	23.31223	23.31223	4.88004	8.913861	375	0.211072	523.6895	4.741563	2	Inlet Control	0.002273	10.48198	0.023826		0.023826	3.460515	0.205709	0.053917	2.386299	111.81	111.375	111.9189	111.75	111.9427	112.435	0.4923	HW1/22
HW2/22	HW2/22															CONCRETE HEADWALL																																111.75	112		HW2/22
HW1/23	HW1/23	HW1/23 to HW2/23	14.65952	126.5662	0.6	0.219309	0.131585	46.26185	46.26185							CONCRETE HEADWALL	0.8		46.26185			14.65952	126.5662	0.131585	46.26185	46.26185	2.440024	3.688488	375	0.418862	336.8722	3.050091	2	Outlet Control	0.008951	2.314518	0.020718		0.020718	-0.1462	0.001293	0.09389	2.138015	101.33	101.24	101.6114	101.615	101.6322	101.955	0.322849	HW1/23
HW2/23	HW2/23															CONCRETE HEADWALL																																101.615	101.865		HW2/23

STORMWATER CALCULATIONS TABLE (Q10)

1

REVISIONS:			
1	PARK WORKS ADDED	MP	24/10/25
0	ISSUED FOR CONSTRUCTION	MP	13/03/25
No.	REVISION DESCRIPTION	DRAWN	DATE

PARKLAKE ADARE

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van der meer
LEVEL 3, 51 ALFRED STREET
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IF IN DOUBT - ASK.

CLIENT
PARK LAKE ADARE PTY LTD
PO BOX 4107 SPRINGFIELD QLD 4300

SCALE

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
DRAINAGE CALCULATIONS

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE
CK	MP	CALVIN KIRK RPEQ:19536

DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1

JOB No.	DRAWING No.	REVISION
BR242036	C6560	1

ASSET REGISTER - WATER RETICULATION						
ESTATE/STAGE	STAGES 6 AND 7					
SITE ADDRESS	174 ADARE ROAD, ADARE					
FILE/APPLICATION	25-PNT-78266					
DELEGATES APP. DATE	31/03/2025					
CLIENT	PARK LAKE ADARE PTY LTD					
DRAWING/PLAN No.	BR242036-C6600-C6604					
MAINS	DIA.	MATERIAL DESIGN	MATERIAL CONST.	LENGTH (m) DESIGN	LENGTH (m) CONST.	
	DN125	PE		1596		
	DN180	PE		1459		
SERVICES	DIA.	MATERIAL DESIGN	MATERIAL CONST.	LENGTH (m) DESIGN	LENGTH (m) CONST.	
	20mm					
	25mm					
	32mm	PE100 PN16		94		
	40mm	PE100 PN16		89		
METERS	DIA.	NUMBER				
	20mm	47				
	25mm					
	32mm					
	150mm					
	50mm					

2

SERVICE DETAILS		
NO	SIZE	LOT NUMBERS
37	DN25 PE	38 TO 43, 46 TO 58, 65 TO 81, 147
9	DN32 PE	44, 45, 59 TO 64, 143

DRAWING INDEX	
SHEET NUMBER	SHEET TITLE
C6600	WATER RETICULATION COVER SHEET
C6601	WATER RETICULATION PLAN - SHEET 1
C6602	WATER RETICULATION PLAN - SHEET 2
C6603	WATER RETICULATION PLAN - SHEET 3
C6604	WATER RETICULATION PLAN - SHEET 4

PRIOR STAGE INFRASTRUCTURE FORMS PART OF THIS APPROVAL IN ORDER TO ESTABLISH A LEGAL POINT OF CONNECTION TO URBAN UTILITIES EXISTING NETWORK. THE PRIOR STAGE 1 WORKS HAVE BEEN APPROVED UNDER 22-PNT-60566.

22-PNT-60566 WORKS MUST BE CONSIDERED PRACTICALLY COMPLETE FOR URBAN UTILITIES TO CONSIDER GRANTING CONNECTION CERTIFICATE FOR THIS STAGE.

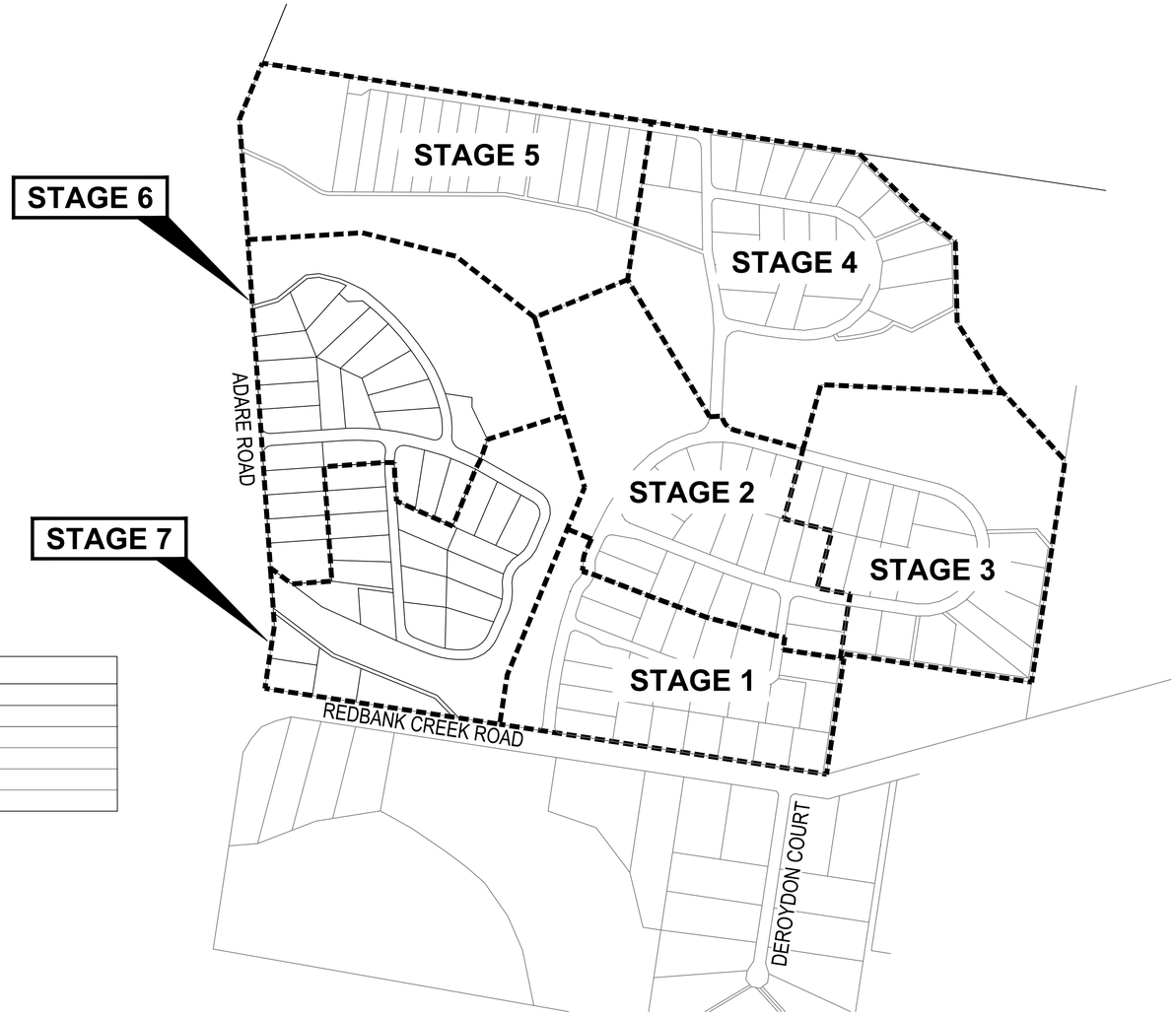
ALL ENVIRONMENTAL PROTECTION MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY CONSTRUCTION WORK, INCLUDING CLEARING COMMENCING.

ALL WATER AND SEWER CONSTRUCTION WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE QUEENSLAND WORKPLACE HEALTH AND SAFETY ACT 2011.

CONTACT THE DIVISION OF WORKPLACE HEALTH AND SAFETY FOR INFORMATION PHONE : 1300 362 128

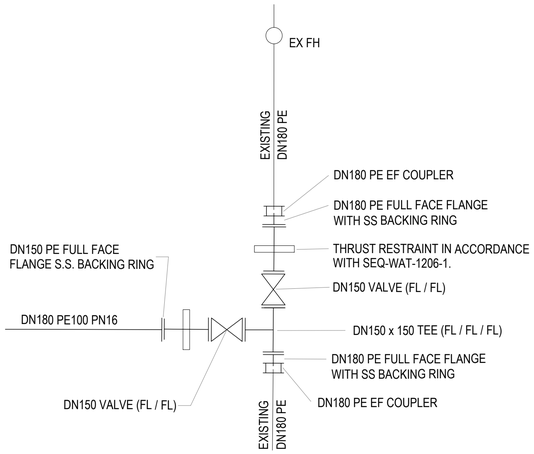
SEQ CODE STANDARD DRAWING SCHEDULE

SOIL CLASSIFICATION	SEQ-WAT-1200-1
EMBEDMENT AND TRENCH FILL	SEQ-WAT-1200-2
THRUST BLOCK DETAILS	SEQ-WAT-1205-1
VALVE THRUST BLOCKS	SEQ-WAT-1206-1
IDENTIFICATION MARKERS	SEQ-WAT-1300-1,2

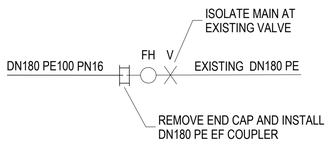


LOCALITY PLAN
SCALE 1:5000

BEFORE YOU DIG www.byda.com.au



LIVE CONNECTION DETAIL '1'
DIAGRAMMATIC



LIVE CONNECTION DETAIL '2'
DIAGRAMMATIC

GENERAL NOTES

1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT SOUTH EAST QUEENSLAND WATER SUPPLY CODE SPECIFICATIONS AND STANDARDS.
2. UNLESS SPECIFIED OTHERWISE ALL MATERIALS AND WORK SHALL COMPLY WITH THE RELEVANT AUSTRALIAN STANDARDS.
3. ADOPT LIP OF KERB OR SHOULDER OF ROAD AS PERMANENT LEVEL.
4. COVER ON MAINS FROM PERMANENT LEVEL TO BE AS SHOWN IN SEQ-WAT-1200-2.
5. CONDUITS TO BE INSTALLED IN ACCORDANCE WITH THE STANDARD DRAWINGS.
6. A WATER METER SUPPLIED AT THE DEVELOPER'S COST, IS TO BE INSTALLED AT THE SERVICE POINT OF EACH LOT IN ACCORDANCE WITH THE STANDARD DRAWING FOR THE SEQ-SP.
7. ALL MATERIALS USED IN THE WORKS SHALL COMPLY WITH THE SEQ-SP'S ACCEPTED PRODUCTS AND MATERIALS LIST OR BE APPROPRIATELY SHOWN, LISTED AND DEFINED IN THE ENGINEERING SUBMISSION SO THAT THE ALTERNATIVE PRODUCT OR MATERIAL CAN BE ASSESSED AND IF APPROPRIATE, APPROVED BY THE SEQ-SP.
8. ALL CONCRETE FOOTPATHS TO BE CLEAR OF WATER MAINS.
9. TEST/CHLORINATION POINTS TO BE INSTALLED IN ACCORDANCE WITH STANDARD DRAWING NO.SEQ-WAT-1410-1.
10. THE CONSTRUCTION OF THE WATER RETICULATION WORK SHOWN ON THIS DRAWING MUST BE SUPERVISED BY AN ENGINEER WHO HAS RPEQ REGISTRATION. WORKS NOT COMPLYING WITH THIS REQUIREMENT WILL NOT BE PERMITTED TO CONNECT TO THE RETICULATION SYSTEM.
11. WATER MAIN ROAD CROSSING AND VALVE PAVEMENT MARKERS TO BE INSTALLED AS PER SEQ-WAT-1300-1.

WATER MAIN CONSTRUCTION NOTES

1. DURING ANY CONSTRUCTION ACTIVITY AT LEAST ONE PERSON ON SITE MUST HAVE COMPLETED A PIPE LAYING TRAINING COURSE APPROVED BY THE PIPE SUPPLIER OR MANUFACTURER AND APPROPRIATE TO THE PIPELINE UNDER CONSTRUCTION. THE TRAINING COURSE MUST HAVE BEEN COMPLETED WITHIN THE LAST TEN YEARS.
2. ALL SITE AND FACTORY PE WELDING SHALL BE CARRIES OUT BY A PERSON WHO HAS COMPLETED RELEVANT NATIONALLY ACCREDITED TRAINING COURSES FOR BUTT WELDING/ELECTROFUSION AND HOLD A VALID WELDING CERTIFICATE IN ACCORDANCE WITH AS/NZS 2033.
3. THE CONTRACTOR SHALL PROVIDE DOCUMENTED EVIDENCE OF ACCEPTABLE QUALIFICATIONS TO URBAN UTILITIES.
4. INSTALL DETECTABLE MARKER TAPE ON ALL WATER MAINS AND PROPERTY SERVICES.
5. CONSTRUCT FIRE HYDRANTS AND STOP VALVES TO SEQ-WAT-1301-1, 1302-1, 1303-2, 1305-1, 1306-1 & 1409-1.
6. ALL VALVES TO BE RESTRAINED IN ACCORDANCE WITH SEQ STD DWG SEQ-WAT-1206-1.
7. ALL LIVE WORKS SHALL BE UNDERTAKEN BY THE DEVELOPER'S LICENSED CONTRACTOR IN ACCORDANCE WITH A VALID URBAN UTILITIES NETWORK ACCESS PERMIT, UNDER SUPERVISION OF URBAN UTILITIES, AT THE DEVELOPER'S EXPENSE.
8. PROPOSED WORKS ARE LOCATED WITHIN FIRE ANT BIOSECURITY ZONE 2. ALL WORKS ARE TO BE TO DAFF REQUIREMENTS.

VEGETATION PROTECTION

1. TREES LOCATED ALONG THE FOOTPATH SHALL BE, TRANSPLANTED PRIOR TO CONSTRUCTION, OR REPLACED IF DESTROYED.
2. WHEN WORKING WITHIN 4m OF TREES, RUBBER OR HARDWOOD GIRDLES SHALL BE CONSTRUCTED WITH 1.8m BATTENS CLOSELY SPACED AND ARRANGED VERTICALLY FROM GROUND LEVEL. GIRDLES SHALL BE STRAPPED TO TREES PRIOR TO CONSTRUCTION AND REMAIN UNTIL COMPLETION.
3. TREE ROOTS SHALL BE TUNNELLED UNDER, RATHER THAN SEVERED. IF ROOTS ARE SEVERED THE DAMAGED AREA SHALL BE TREATED WITH A SUITABLE FUNGICIDE. CONTACT RELEVANT COUNCIL ARBORIST FOR FURTHER ADVICE.
4. ANY TREE LOPPING REQUIRED SHOULD BE UNDERTAKEN BY AN APPROVED ARBORIST.

SOIL

1. TOPSOIL AND SUBSOIL SHALL BE STOCKPILED SEPARATELY.
2. CARE SHALL BE TAKEN TO PREVENT SEDIMENT FROM ENTERING THE STORMWATER SYSTEM. THIS MAY INVOLVE PLACING APPROPRIATE SEDIMENT CONTROLS AROUND STOCKPILES.
3. IF ACID SULPHATE SOILS EXIST IN THE WORKS AREA THE OUTPUTS FROM THE RISK ASSESSMENT BASED ON THE QUEENSLAND ACID SULPHATE SOIL TECHNICAL MANUAL SHALL BE ADHERED TO.

REHABILITATION

1. PRE-DISTURBANCE SOIL PROFILES AND COMPACTION LEVELS SHALL BE REINSTATED.
2. PRE-DISTURBANCE VEGETATION PATTERNS SHALL BE RESTORED.
3. ALL DISTURBED AREAS ASSOCIATED WITH CONSTRUCTION SHALL BE REHABILITATED. HEAVILY COMPACTED AREAS SHOULD BE RIPPED PRIOR TO TREATMENT
4. ALL DISTURBED AREAS ARE TO BE LEFT IN STABLE CONDITION.
5. ALL PLANTING/RE-VEGETATION WILL NEED TO BE MAINTAINED THROUGHOUT THE MAINTENANCE PERIOD.
6. TRENCH REINSTATEMENT IS TO BE UNDERTAKEN IN ACCORDANCE WITH SEQ STANDARD REQUIREMENTS FOR EMBEDMENT AND TRENCH FILL. STANDARD DRAWINGS HAVE BEEN NOTED ON THIS PLAN.

ALL LIVE WORKS ON AC MAIN SHALL INCLUDE REMOVAL OF EXISTING AC MAIN FROM COLLAR TO COLLAR.

VALVE MARKERS, HYDRANT MARKERS AND PAVEMENT MARKINGS ARE TO BE INSTALLED/REINSTATED IN ACCORDANCE WITH SEQ-WAT-1300-1

AS CONSTRUCTED

AS CONSTRUCTED DOCUMENTATION IS TO BE PROVIDED IN ACCORDANCE WITH REQUIREMENTS AS SPECIFIED IN THE SEQ D&C CODE INCLUSIVE OF FULL ADAC COMPLAINT SURVEY

LIVE WORKS CONNECTION 1

STREET : NEWLAND PLACE
INSTALLATION :
TYPE OF MAIN : EXISTING DN180 PE
DATE COMMENCED : DATE COMPLETED :
SIGNATURE :

LIVE WORKS CONNECTION 2

STREET : NEWLAND PLACE
INSTALLATION :
TYPE OF MAIN : EXISTING DN180 PE
DATE COMMENCED : DATE COMPLETED :
SIGNATURE :

REVISIONS:

No.	REVISION DESCRIPTION	DRAWN	DATE
2	PARK WATER METER ADDED	MP	19/01/26
1	PARK WORKS ADDED	MP	24/10/25
0	ISSUED FOR CONSTRUCTION	MP	02/06/25

PARKLAKE ADARE

N

van der Meer Consulting
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LEVEL 3, 51 ALFRED STREET
FORTITUDE VALLEY QLD 4006
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www.vandermeer.com.au
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IF IN DOUBT - ASK.

CLIENT
PARK LAKE ADARE PTY LTD
PO BOX 4107 SPRINGFIELD QLD 4300

SCALE
0 100 200 300 400 500m
SCALE 1:5000

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
WATER RETICULATION COVER SHEET

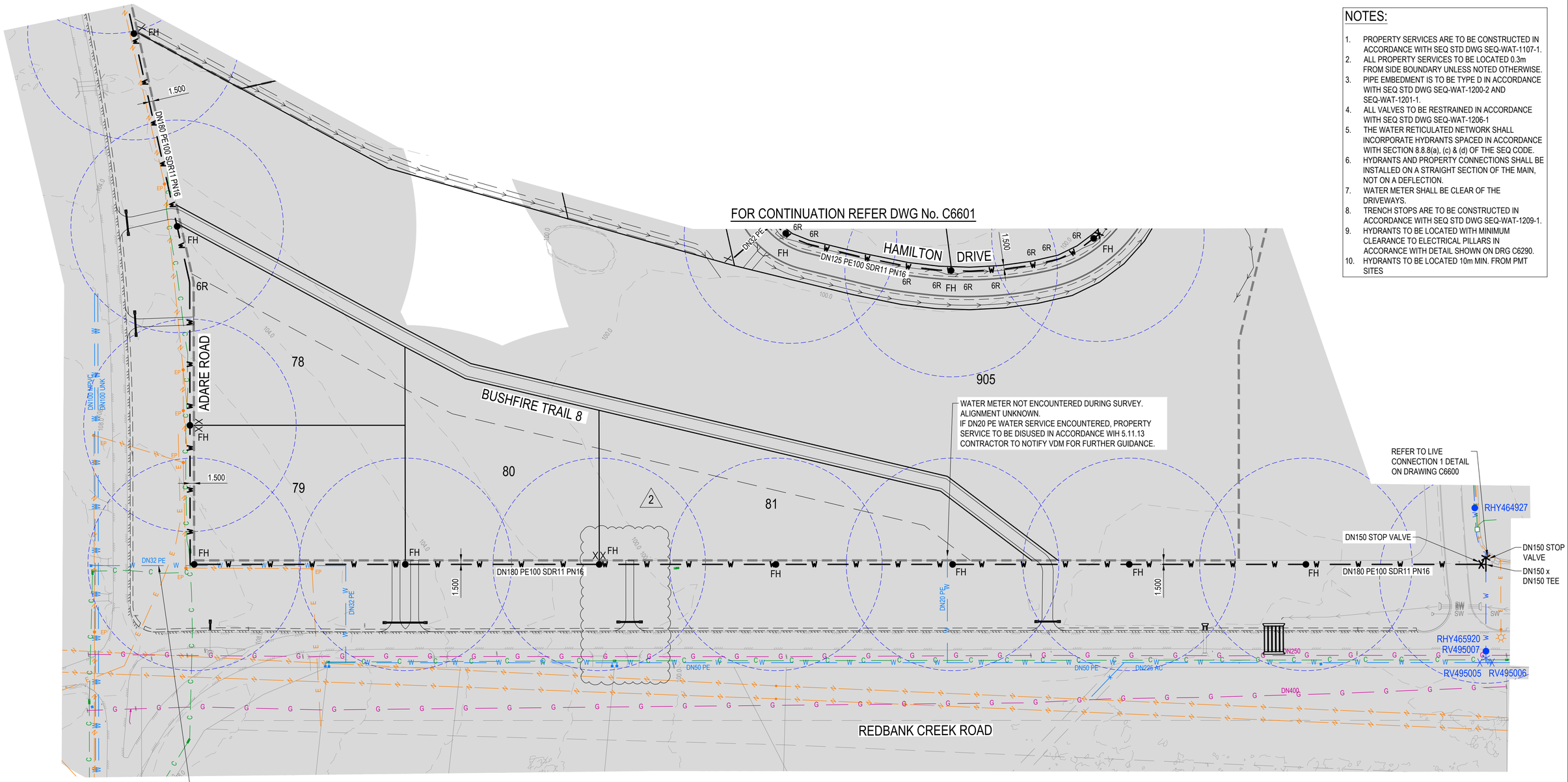
DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE		
CK	MP			
DRAFTSPERSON	SCALE	DATE	SHEET SIZE	
MP	AS SHOWN	02/06/25	A1	
JOB No.	DRAWING No.	REVISION		
BR242036	C6600	2		

NOTES:

1. PROPERTY SERVICES ARE TO BE CONSTRUCTED IN ACCORDANCE WITH SEQ STD DWG SEQ-WAT-1107-1.
2. ALL PROPERTY SERVICES TO BE LOCATED 0.3m FROM SIDE BOUNDARY UNLESS NOTED OTHERWISE.
3. PIPE EMBEDMENT IS TO BE TYPE D IN ACCORDANCE WITH SEQ STD DWG SEQ-WAT-1200-2 AND SEQ-WAT-1201-1.
4. ALL VALVES TO BE RESTRAINED IN ACCORDANCE WITH SEQ STD DWG SEQ-WAT-1206-1
5. THE WATER RETICULATED NETWORK SHALL INCORPORATE HYDRANTS SPACED IN ACCORDANCE WITH SECTION 8.8.8(a), (c) & (d) OF THE SEQ CODE.
6. HYDRANTS AND PROPERTY CONNECTIONS SHALL BE INSTALLED ON A STRAIGHT SECTION OF THE MAIN, NOT ON A DEFLECTION.
7. WATER METER SHALL BE CLEAR OF THE DRIVEWAYS.
8. TRENCH STOPS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH SEQ STD DWG SEQ-WAT-1209-1.
9. HYDRANTS TO BE LOCATED WITH MINIMUM CLEARANCE TO ELECTRICAL PILLARS IN ACCORANCE WITH DETAIL SHOWN ON DRG C6290.
10. HYDRANTS TO BE LOCATED 10m MIN. FROM PMT SITES

FOR CONTINUATION REFER DWG No. C6601



WATER SERVICE ALIGNMENT UNKNOWN.
IF ENCOUNTERED, SERVICE TO BE LEFT IN PLACE DURING CONSTRUCTION.
PRIOR TO NEW MAIN BEING LIVE (DN180 PE100) CONTRACTOR TO INSTALL DN32 TAPPING SADDLE ON NEW MAIN WITH THREADED BALL VALVE (SHUT POSITION) AFTER NEW MAIN IS LIVE. DISUSE SERVICE IN ACCORDANCE WITH 5.11.13 AND CONNECT TO BALL VALVE IN A MANNER CONSISTENT WITH SEQ-WAT-1107-1.
IN THE EVENT THAT IT IS NOT PRACTICAL TO REMOVE WATER SERVICE, CONTRACTOR TO NOTIFY ROAD AUTHORITY AND CAPTURE DISUSE IN ADAC.

LEGEND

EXISTING	PROPOSED
KERB AND CHANNEL	MOUNTABLE KERB TYPE M4
KERB ONLY	MOUNTABLE KERB TYPE M6
CONTOUR (1.0m)	CONTOUR (0.5m)
ROAD EDGE BITUMEN	ROAD EDGE BITUMEN
	ROAD SHOULDER
	DRAINAGE
	R40 HYDRANT SPACING
	R90 HYDRANT COVERAGE
	TRENCH STOP LOCATION
	6R DENOTES 6.0m RADIUS

SERVICES (PUP) LEGEND

	EXISTING	PROPOSED
COMMUNICATIONS	C(*)	
DRAINAGE	D(*)	
ELECTRICITY	E(*)	E
O/H ELECTRICITY & POLE		
GAS	G(*)	
SEWERAGE	S(*)	S
WATER MAIN	W(*)	W

SYMBOLS LEGEND

PROPOSED FIRE HYDRANT	FH	EXISTING SCOUR	
PROPOSED VALVE		EXISTING DEADEND	
PROPOSED SCOUR VALVE		EXISTING REDUCER	
PROPOSED DEAD END		EXISTING ZONE VALVE	
PROPOSED REDUCER		EXISTING WATER METER	SC
PROPOSED CONNECTOR		DISUSED FH	FH
PROPOSED WATER METER	X	DISUSED VALVE	
EXISTING FH	FH	DISUSED SCOUR	
EXISTING VALVE	X	DISUSED METER	SC

REVISIONS:			
2	ISSUED FOR CONSTRUCTION - AFTER MINOR APPROVAL	MP	23/10/25
1	LOT 81 DRIVEWAY MOVED	MP	11/09/25
0	ISSUED FOR CONSTRUCTION	MP	02/06/25
No.	REVISION DESCRIPTION	DRAWN	DATE

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SCALE
0 7.5 15 22.5 30 37.5m 75m
SCALE 1:750

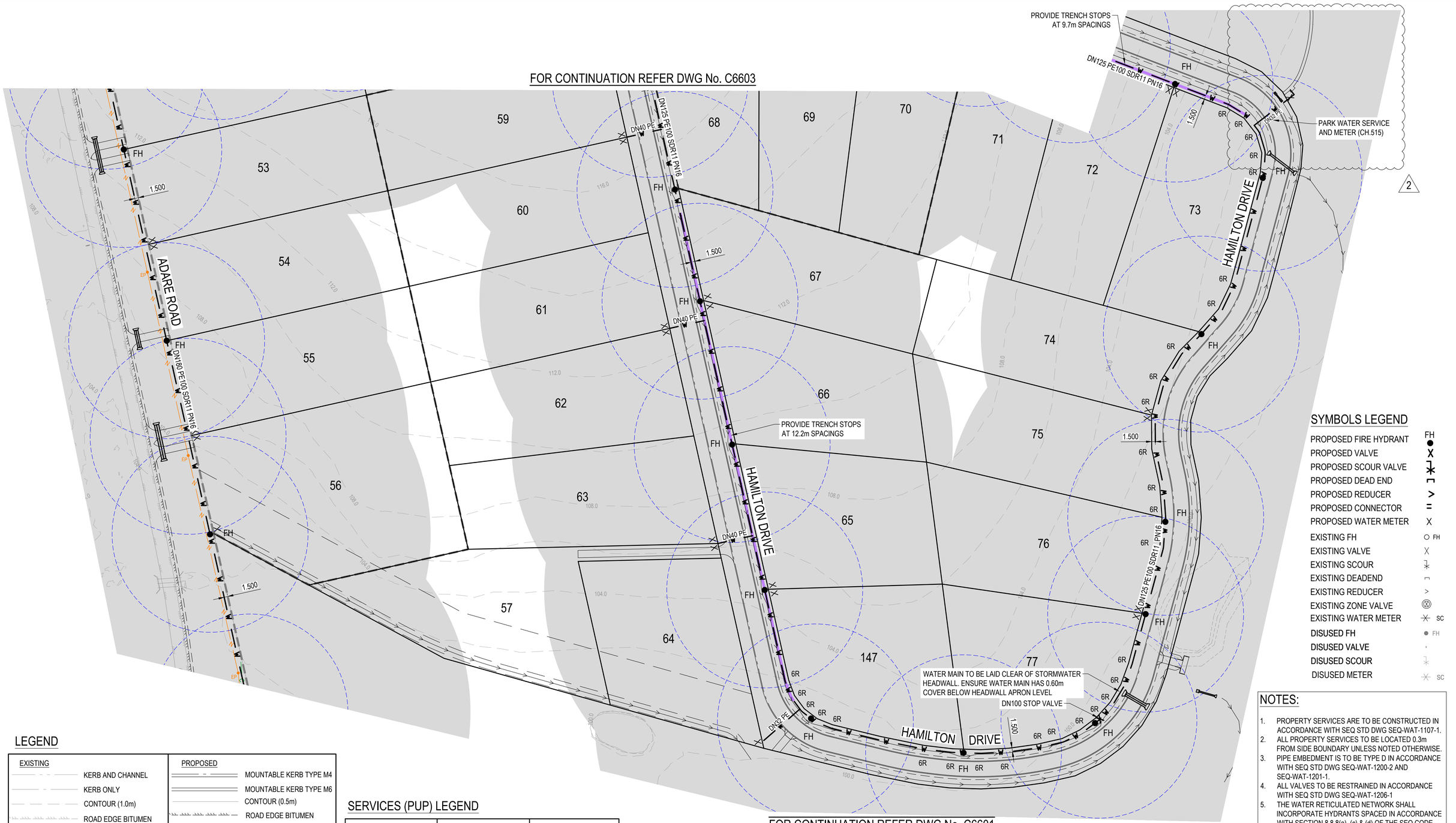
PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
WATER RETICULATION PLAN
SHEET 1

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE	
CK	MP		
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	02/06/25	A1
JOB No.	DRAWING No.		REVISION
BR242036	C6601		2

FOR CONTINUATION REFER DWG No. C6603



FOR CONTINUATION REFER DWG No. C6601

SYMBOLS LEGEND

PROPOSED FIRE HYDRANT	FH
PROPOSED VALVE	X
PROPOSED SCOUR VALVE	SC
PROPOSED DEAD END	⊐
PROPOSED REDUCER	>
PROPOSED CONNECTOR	=
PROPOSED WATER METER	X
EXISTING FH	FH
EXISTING VALVE	X
EXISTING SCOUR	SC
EXISTING DEADEND	⊐
EXISTING REDUCER	>
EXISTING ZONE VALVE	⊗
EXISTING WATER METER	SC
DISUSED FH	FH
DISUSED VALVE	X
DISUSED SCOUR	SC
DISUSED METER	SC

NOTES:

1. PROPERTY SERVICES ARE TO BE CONSTRUCTED IN ACCORDANCE WITH SEQ STD DWG SEQ-WAT-1107-1.
2. ALL PROPERTY SERVICES TO BE LOCATED 0.3m FROM SIDE BOUNDARY UNLESS NOTED OTHERWISE.
3. PIPE EMBEDMENT IS TO BE TYPE D IN ACCORDANCE WITH SEQ STD DWG SEQ-WAT-1200-2 AND SEQ-WAT-1201-1.
4. ALL VALVES TO BE RESTRAINED IN ACCORDANCE WITH SEQ STD DWG SEQ-WAT-1206-1
5. THE WATER RETICULATED NETWORK SHALL INCORPORATE HYDRANTS SPACED IN ACCORDANCE WITH SECTION 8.8.8(a), (c) & (d) OF THE SEQ CODE.
6. HYDRANTS AND PROPERTY CONNECTIONS SHALL BE INSTALLED ON A STRAIGHT SECTION OF THE MAIN, NOT ON A DEFLECTION.
7. WATER METER SHALL BE CLEAR OF THE DRIVEWAYS.
8. TRENCH STOPS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH SEQ STD DWG SEQ-WAT-1209-1.
9. HYDRANTS TO BE LOCATED WITH MINIMUM CLEARANCE TO ELECTRICAL PILLARS IN ACCORANCE WITH DETAIL SHOWN ON DRG C6290.
10. HYDRANTS TO BE LOCATED 10m MIN. FROM PMT SITES

LEGEND

EXISTING	PROPOSED
KERB AND CHANNEL	MOUNTABLE KERB TYPE M4
KERB ONLY	MOUNTABLE KERB TYPE M6
CONTOUR (1.0m)	CONTOUR (0.5m)
ROAD EDGE BITUMEN	ROAD EDGE BITUMEN
	ROAD SHOULDER
	DRAINAGE
	R40 HYDRANT SPACING
	R90 HYDRANT COVERAGE
	TRENCH STOP LOCATION
	6R DENOTES 6.0m RADIUS

SERVICES (PUP) LEGEND

	EXISTING	PROPOSED
COMMUNICATIONS	C(*)	
DRAINAGE	D(*)	
ELECTRICITY	E(*)	E
O/H ELECTRICITY & POLE		
GAS	G(*)	
SEWERAGE	S(*)	S
WATER MAIN	W(*)	W

REVISIONS:

No.	REVISION DESCRIPTION	DRAWN	DATE
2	STORMWATER UPDATED	MP	19/01/26
1	PARK WORKS ADDED	MP	24/10/25
0	ISSUED FOR CONSTRUCTION	MP	02/06/25

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SCALE
0 7.5 15 22.5 30 37.5m 75m
SCALE 1:750

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
WATER RETICULATION PLAN
SHEET 2

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE	
CK	MP		
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	02/06/25	A1
JOB No.	DRAWING No.	REVISION	
BR242036	C6602	2	

FOR CONTINUATION REFER DWG No. C6604

LEGEND

EXISTING	PROPOSED
KERB AND CHANNEL	MOUNTABLE KERB TYPE M4
KERB ONLY	MOUNTABLE KERB TYPE M6
CONTOUR (1.0m)	CONTOUR (0.5m)
ROAD EDGE BITUMEN	ROAD EDGE BITUMEN
	ROAD SHOULDER
	DRAINAGE
	R40 HYDRANT SPACING
	R90 HYDRANT COVERAGE
	TRENCH STOP LOCATION
	6R DENOTES 6.0m RADIUS

SERVICES (PUP) LEGEND

	EXISTING	PROPOSED
COMMUNICATIONS	C(*)	
DRAINAGE	D(*)	
ELECTRICITY	E(*)	E
O/H ELECTRICITY & POLE		
GAS	G(*)	
SEWERAGE	S(*)	S
WATER MAIN	W(*)	W

NOTES:

1. PROPERTY SERVICES ARE TO BE CONSTRUCTED IN ACCORDANCE WITH SEQ STD DWG SEQ-WAT-1107-1.
2. ALL PROPERTY SERVICES TO BE LOCATED 0.3m FROM SIDE BOUNDARY UNLESS NOTED OTHERWISE.
3. PIPE EMBEDMENT IS TO BE TYPE D IN ACCORDANCE WITH SEQ STD DWG SEQ-WAT-1200-2 AND SEQ-WAT-1201-1.
4. ALL VALVES TO BE RESTRAINED IN ACCORDANCE WITH SEQ STD DWG SEQ-WAT-1206-1
5. THE WATER RETICULATED NETWORK SHALL INCORPORATE HYDRANTS SPACED IN ACCORDANCE WITH SECTION 8.8.8(a), (c) & (d) OF THE SEQ CODE.
6. HYDRANTS AND PROPERTY CONNECTIONS SHALL BE INSTALLED ON A STRAIGHT SECTION OF THE MAIN, NOT ON A DEFLECTION.
7. WATER METER SHALL BE CLEAR OF THE DRIVEWAYS.
8. TRENCH STOPS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH SEQ STD DWG SEQ-WAT-1209-1.
9. HYDRANTS TO BE LOCATED WITH MINIMUM CLEARANCE TO ELECTRICAL PILLARS IN ACCORANCE WITH DETAIL SHOWN ON DRG C6290.
10. HYDRANTS TO BE LOCATED 10m MIN. FROM PMT SITES

SYMBOLS LEGEND

PROPOSED FIRE HYDRANT	FH
PROPOSED VALVE	X
PROPOSED SCOUR VALVE	
PROPOSED DEAD END	
PROPOSED REDUCER	>
PROPOSED CONNECTOR	=
PROPOSED WATER METER	X
EXISTING FH	FH
EXISTING VALVE	X
EXISTING SCOUR	
EXISTING DEADEND	
EXISTING REDUCER	>
EXISTING ZONE VALVE	
EXISTING WATER METER	SC
DISUSED FH	FH
DISUSED VALVE	X
DISUSED SCOUR	
DISUSED METER	SC

FOR CONTINUATION REFER DWG No. C6602

REVISIONS:

No.	REVISION DESCRIPTION	DRAWN	DATE
1	STORMWATER UPDATED	MP	19/01/26
0	ISSUED FOR CONSTRUCTION	MP	02/06/25

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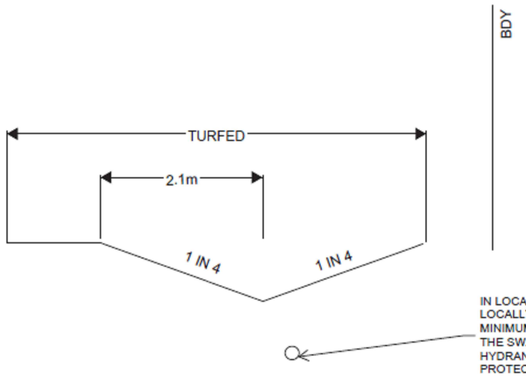
SCALE
0 7.5 15 22.5 30 37.5m 75m
SCALE 1:750

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

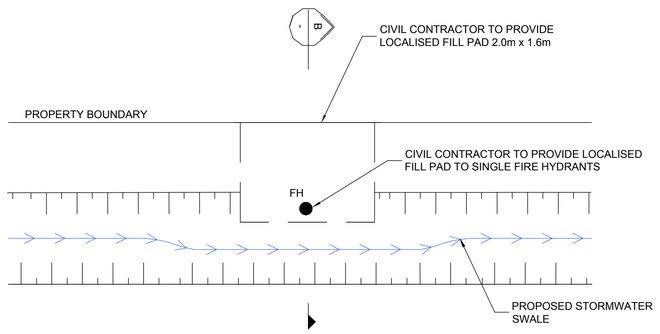
DRAWING TITLE
WATER RETICULATION PLAN
SHEET 3

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

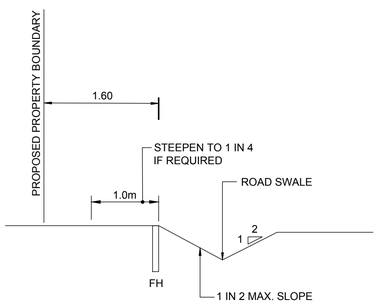
PROJECT LEADER	DESIGNER	SIGNATURE	
CK	MP		
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	02/06/25	A1
JOB No.	DRAWING No.		REVISION
BR242036	C6603		1



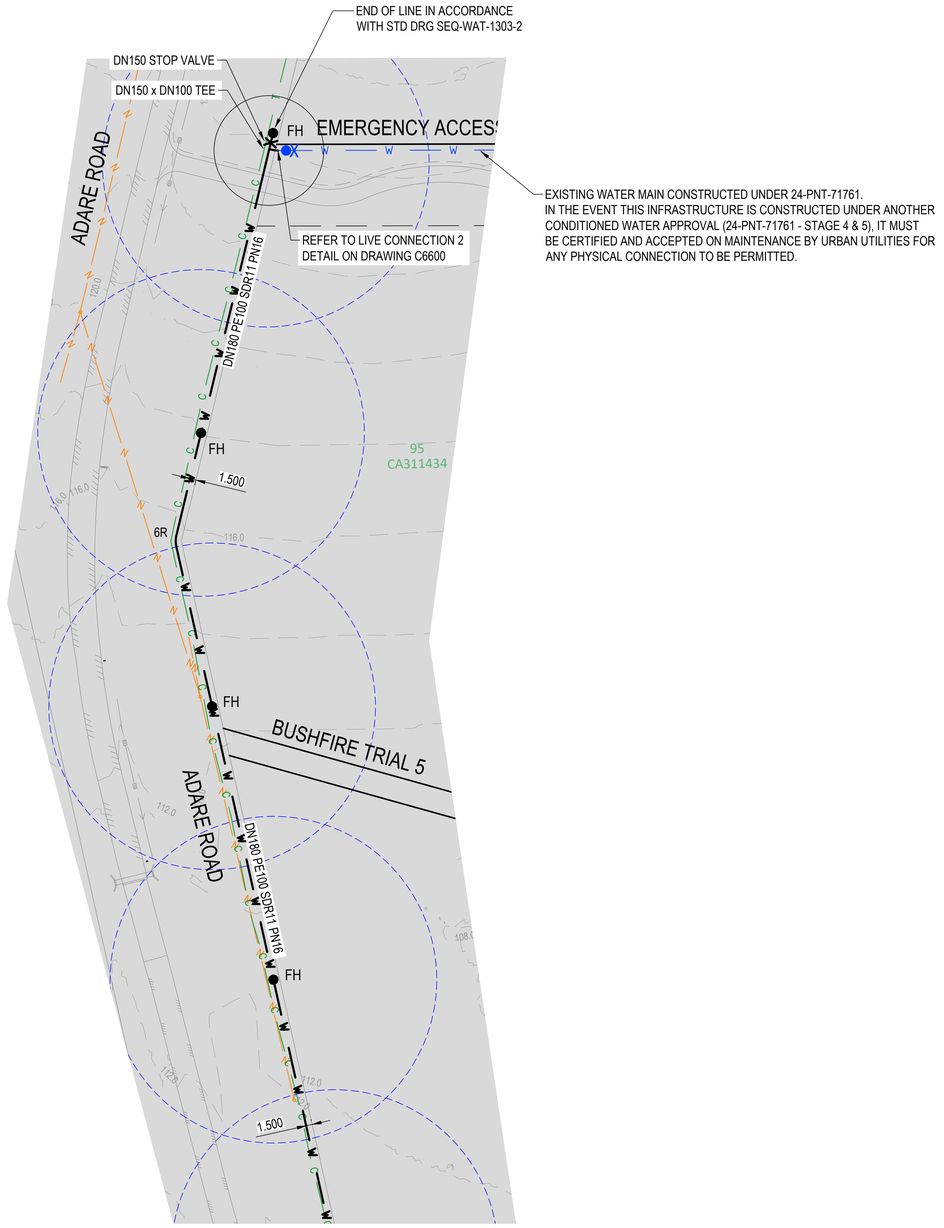
TYPICAL SECTION OF WATER MAIN UNDER SWALE
N.T.S



TYPICAL FIRE HYDRANT PROTECTION DETAIL
SCALE 1:50



B
-
TYPICAL FIRE HYDRANT SECTION
SCALE 1:50



FOR CONTINUATION REFER DWG No. C6603

LEGEND

EXISTING	PROPOSED
KERB AND CHANNEL	MOUNTABLE KERB TYPE M4
KERB ONLY	MOUNTABLE KERB TYPE M6
CONTOUR (1.0m)	CONTOUR (0.5m)
ROAD EDGE BITUMEN	ROAD EDGE BITUMEN
	ROAD SHOULDER
	DRAINAGE
	R40 HYDRANT SPACING
	R90 HYDRANT COVERAGE
	TRENCH STOP LOCATION
	6R DENOTES 6.0m RADIUS

SERVICES (PUP) LEGEND

	EXISTING	PROPOSED
COMMUNICATIONS	C(*)	
DRAINAGE	D(*)	
ELECTRICITY	E(*)	E
O/H ELECTRICITY & POLE		
GAS	G(*)	
SEWERAGE	S(*)	S
WATER MAIN	W(*)	W

NOTES:

1. PROPERTY SERVICES ARE TO BE CONSTRUCTED IN ACCORDANCE WITH SEQ STD DWG SEQ-WAT-1107-1.
2. ALL PROPERTY SERVICES TO BE LOCATED 0.3m FROM SIDE BOUNDARY UNLESS NOTED OTHERWISE.
3. PIPE EMBEDMENT IS TO BE TYPE D IN ACCORDANCE WITH SEQ STD DWG SEQ-WAT-1200-2 AND SEQ-WAT-1201-1.
4. ALL VALVES TO BE RESTRAINED IN ACCORDANCE WITH SEQ STD DWG SEQ-WAT-1206-1
5. THE WATER RETICULATED NETWORK SHALL INCORPORATE HYDRANTS SPACED IN ACCORDANCE WITH SECTION 8.8.8(a), (c) & (d) OF THE SEQ CODE.
6. HYDRANTS AND PROPERTY CONNECTIONS SHALL BE INSTALLED ON A STRAIGHT SECTION OF THE MAIN, NOT ON A DEFLECTION.
7. WATER METER SHALL BE CLEAR OF THE DRIVEWAYS.
8. TRENCH STOPS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH SEQ STD DWG SEQ-WAT-1209-1.
9. HYDRANTS TO BE LOCATED WITH MINIMUM CLEARANCE TO ELECTRICAL PILLARS IN ACCORANCE WITH DETAIL SHOWN ON DRG C6290.
10. HYDRANTS TO BE LOCATED 10m MIN. FROM PMT SITES

SYMBOLS LEGEND

PROPOSED FIRE HYDRANT	FH
PROPOSED VALVE	X
PROPOSED SCOUR VALVE	
PROPOSED DEAD END	
PROPOSED REDUCER	>
PROPOSED CONNECTOR	=
PROPOSED WATER METER	X
EXISTING FH	FH
EXISTING VALVE	X
EXISTING SCOUR	
EXISTING DEADEND	
EXISTING REDUCER	>
EXISTING ZONE VALVE	
EXISTING WATER METER	SC
DISUSED FH	FH
DISUSED VALVE	
DISUSED SCOUR	
DISUSED METER	SC

0 1 2 3 4 5m
SCALE 1:50

REVISIONS:

No.	REVISION DESCRIPTION	DRAWN	DATE
0	ISSUED FOR CONSTRUCTION	MP	02/06/25

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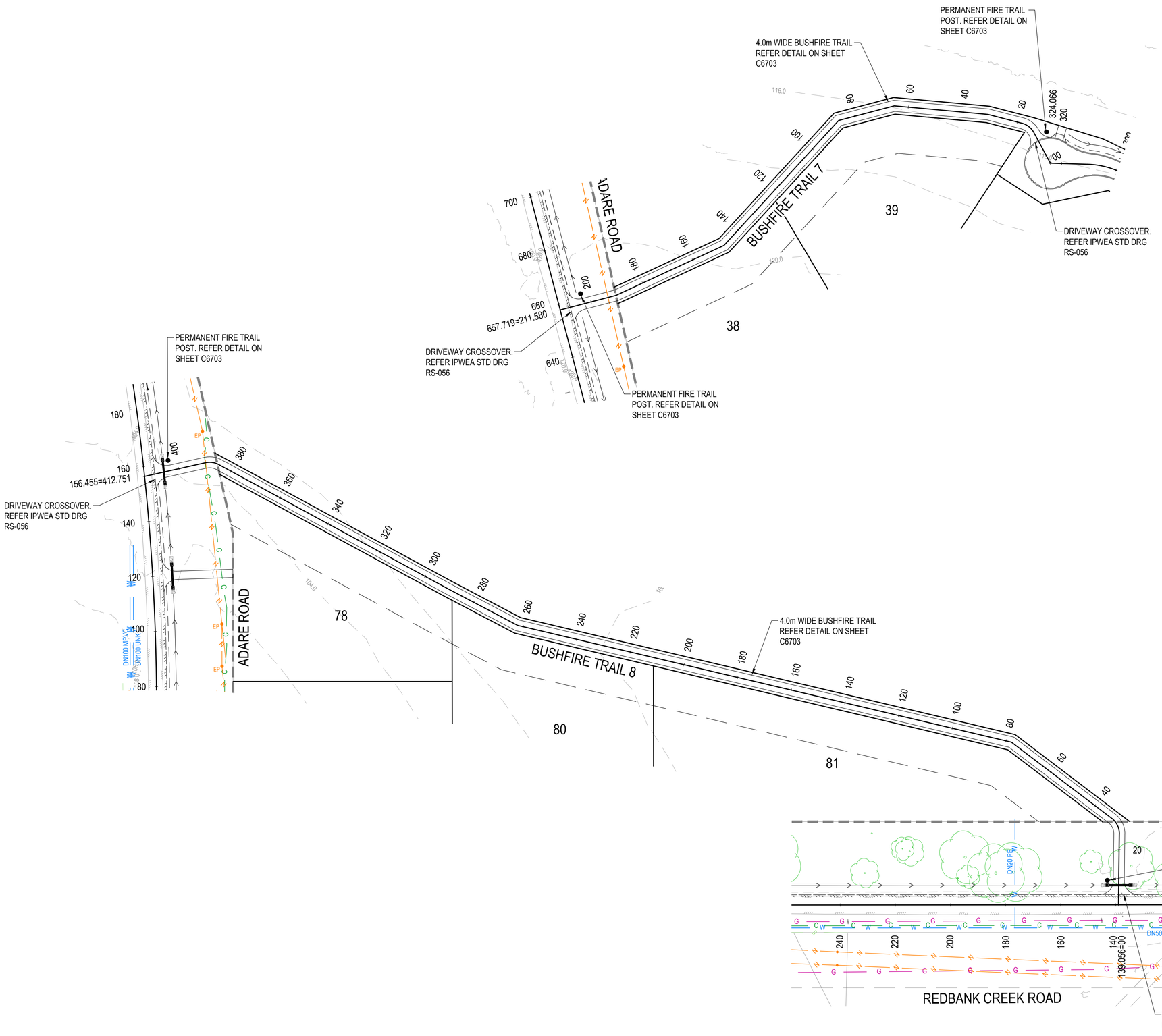
SCALE
0 7.5 15 22.5 30 37.5m 75m
SCALE 1:750

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
WATER RETICULATION PLAN
SHEET 4

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE	
CK	MP		
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	02/06/25	A1
JOB No.	DRAWING No.		REVISION
BR242036	C6604		0



LEGEND

EXISTING	PROPOSED
FENCE	OPEN DRAIN
OPEN DRAIN	MOUNTABLE KERB TYPE M4
KERB AND CHANNEL	MOUNTABLE KERB TYPE M6
KERB ONLY	CONTOUR (0.5m)
CONTOUR (1.0m)	ROAD EDGE BITUMEN
ROAD EDGE BITUMEN	ROAD SHOULDER
TREE TO REMAIN	DRAINAGE

SERVICES (PUP) LEGEND

	EXISTING	PROPOSED
COMMUNICATIONS	C(*)	
DRAINAGE	D(*)	
ELECTRICITY	E(*)	
O/H ELECTRICITY & POLE		
GAS	G(*)	
SEWERAGE	S(*)	S
WATER MAIN	W(*)	W

REVISIONS:

No.	REVISION DESCRIPTION	DRAWN	DATE
0	ISSUED FOR CONSTRUCTION	MP	13/03/25

PARKLAKE ADARE

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SCALE
0 7.5 15 22.5 30 37.5m 75m
SCALE 1:750

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

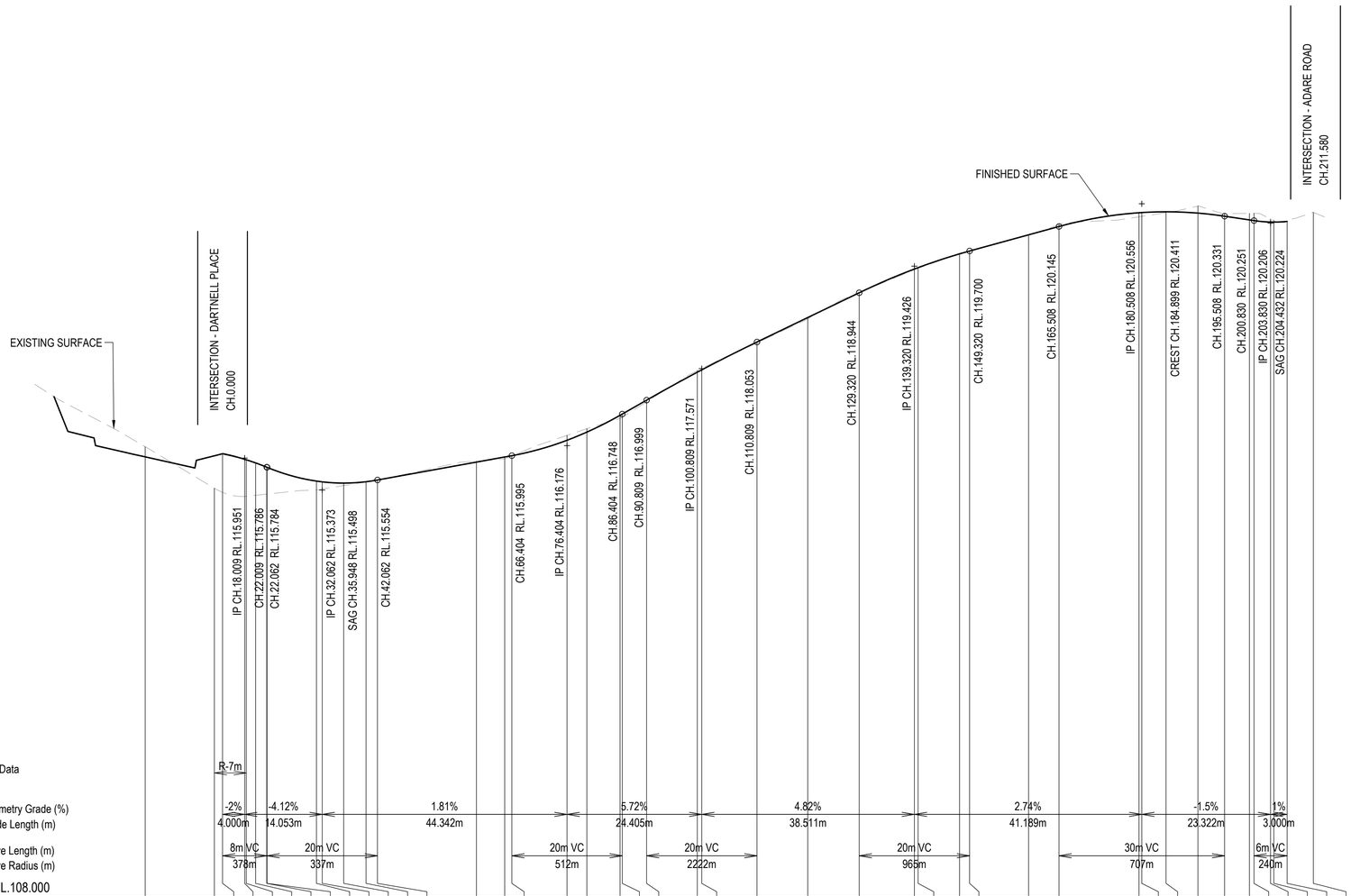
DRAWING TITLE
BUSHFIRE TRAIL 7 AND 8 PLAN

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE
CK	MP	CALVIN KIRK RPEQ:19536

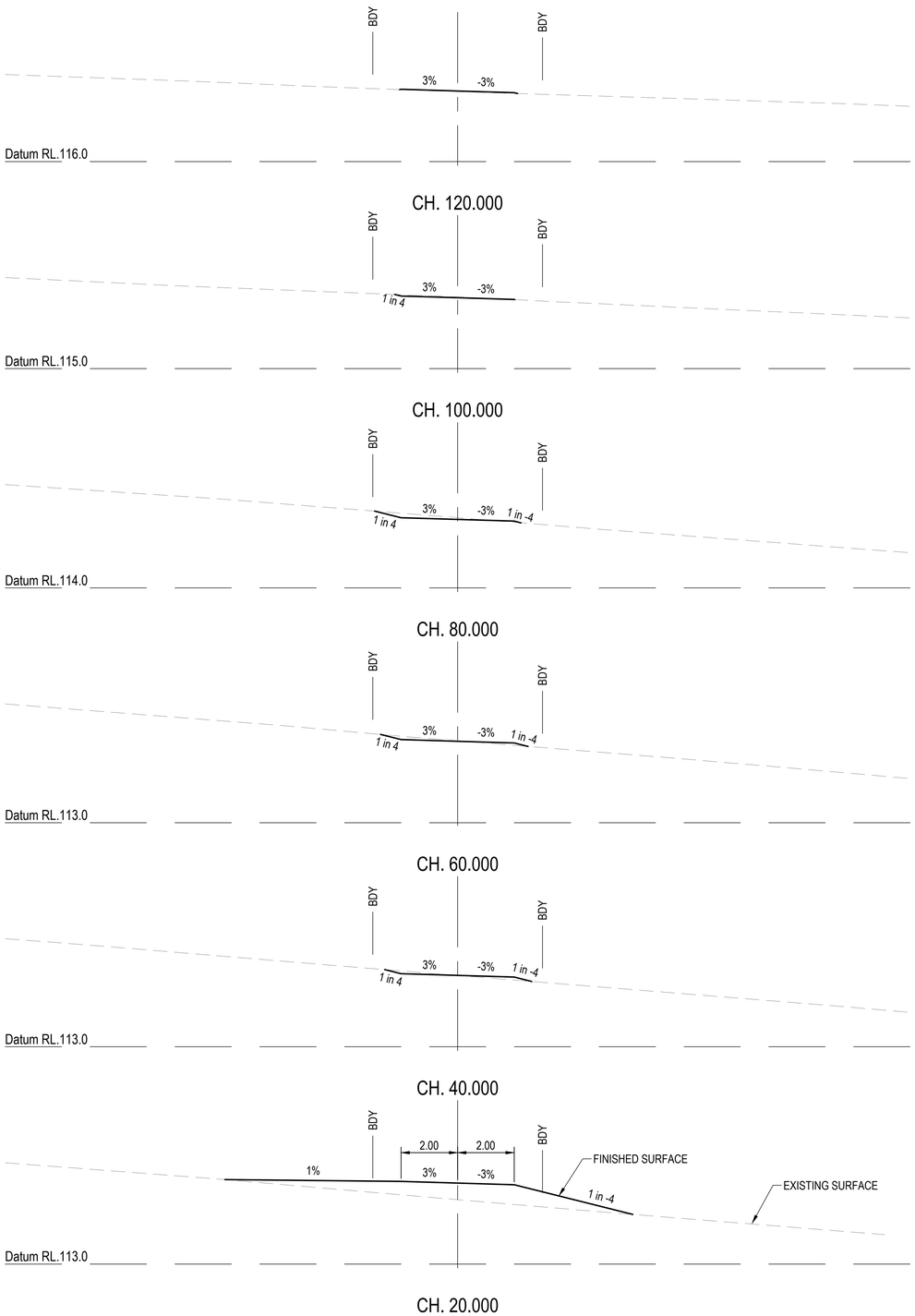
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1

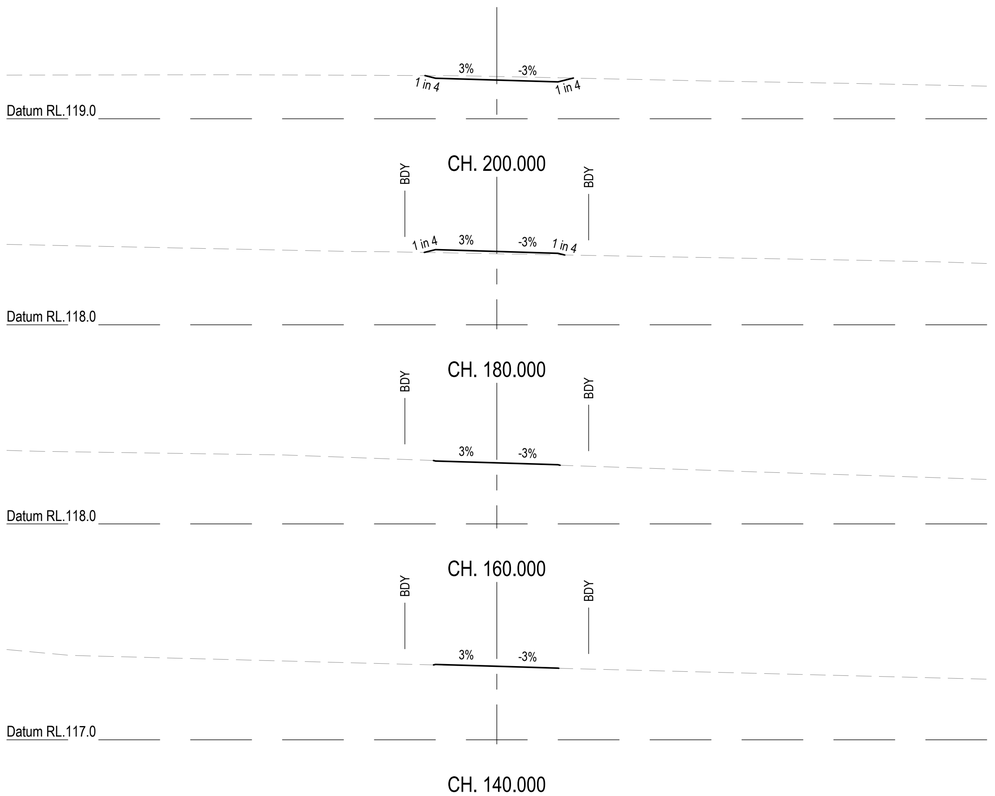
JOB No.	DRAWING No.	REVISION
BR242036	C6700	0



Horiz Curve Data: R-7m

| | | |





REVISIONS:

No.	REVISION DESCRIPTION	DRAWN	DATE
0	ISSUED FOR CONSTRUCTION	MP	13/03/25

PARKLAKE ADARE

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Telephone +61 7 3021 6600
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PO BOX 4107 SPRINGFIELD QLD 4300

SCALE
0 1 2 3 4 5m 10m
SCALE 1:100

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

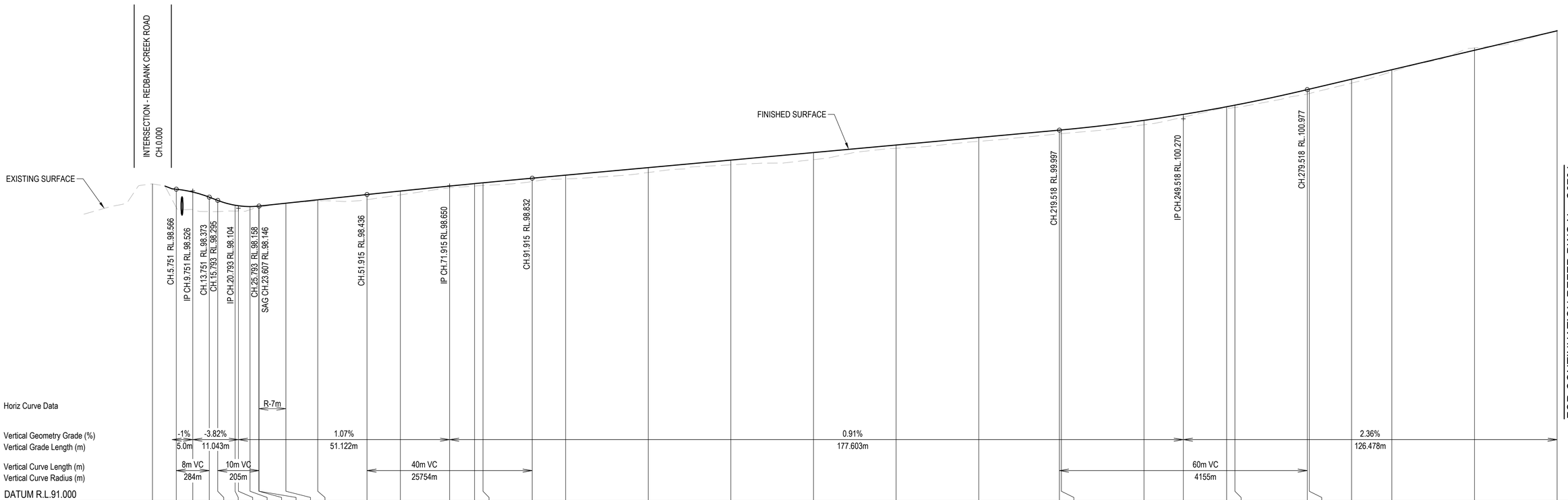
DRAWING TITLE
BUSHFIRE TRAIL 7
CROSS SECTIONS

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

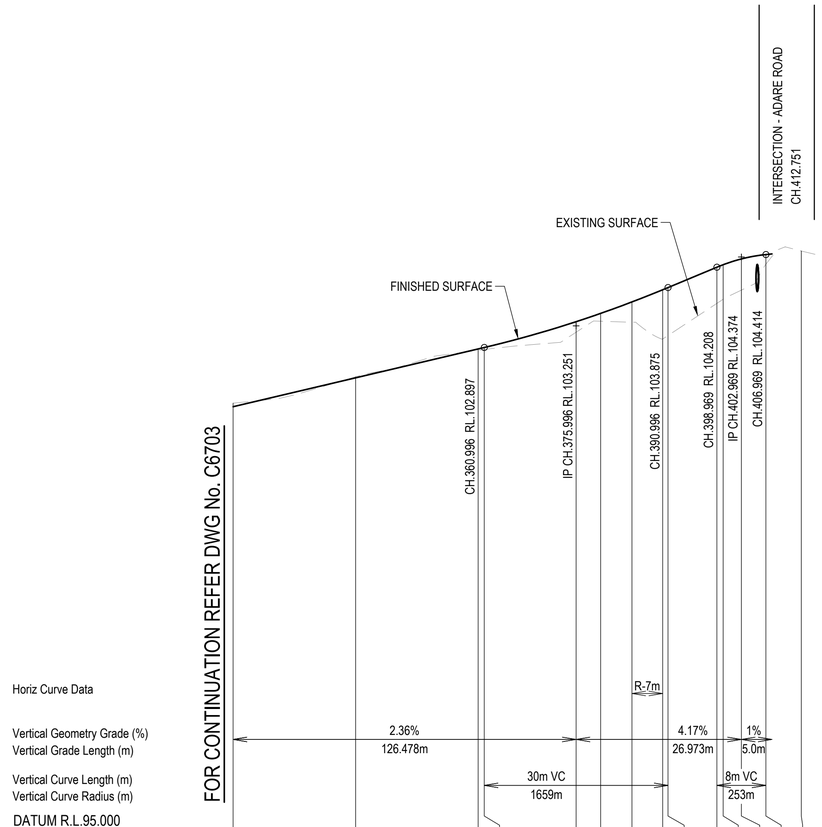
PROJECT LEADER	DESIGNER	SIGNATURE
CK	MP	CALVIN KIRK RPEQ:19536

DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1

JOB No.	DRAWING No.	REVISION
BR242036	C6702	0


INTERSECTION - REDBANK CREEK ROAD
CH.0.000
EXISTING SURFACE
FINISHED SURFACE
CH.5.751 RL.98.566
IP CH.9.751 RL.98.526
CH.13.751 RL.98.373
CH.15.793 RL.98.295
IP CH.20.793 RL.98.104
CH.25.793 RL.98.158
SAG CH.23.607 RL.98.146
CH.51.915 RL.98.436
IP CH.71.915 RL.98.650
CH.91.915 RL.98.832
CH.219.518 RL.99.997
IP CH.249.518 RL.100.270
CH.279.518 RL.100.977
FOR CONTINUATION REFER DWG No. C6704
Horiz Curve Data
R-7m
Vertical Geometry Grade (%)
-1%
-3.82%
1.07%
0.91%
2.36%
Vertical Grade Length (m)
5.0m
11.043m
51.122m
177.603m
126.478m
Vertical Curve Length (m)
8m VC
10m VC
40m VC
60m VC
Vertical Curve Radius (m)
284m
205m
25754m
4155m
DATUM R.L.91.000

| | | |



NATURAL SURFACE LEVELS	101.988	102.418	102.850	102.864	103.146	103.326	103.309	103.036	103.093	103.617	103.686	103.833	104.256	104.473
CUT / FILL DEPTH	-0.057	-0.016	0.023	0.034	0.172	0.128	0.332	0.804	0.783	0.591	0.562	0.509	0.158	
DESIGN SURFACE LEVELS	101.931	102.402	102.874	102.897	103.318	103.454	103.640	103.839	103.875	104.208	104.248	104.342	104.414	
CHAINAGE	320.000	340.000	360.000	360.996	375.996	380.000	385.104	390.124	390.996	398.969	400.000	402.969	406.969	412.751

LONGITUDINAL SECTION - BUSHFIRE TRIAL 8

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:50

0 10 20 30 40 50m
SCALE 1:500 (HORIZONTAL)

0 1 2 3 4 5m
SCALE 1:50 (VERTICAL)

REVISIONS:

No.	REVISION DESCRIPTION	DRAWN	DATE

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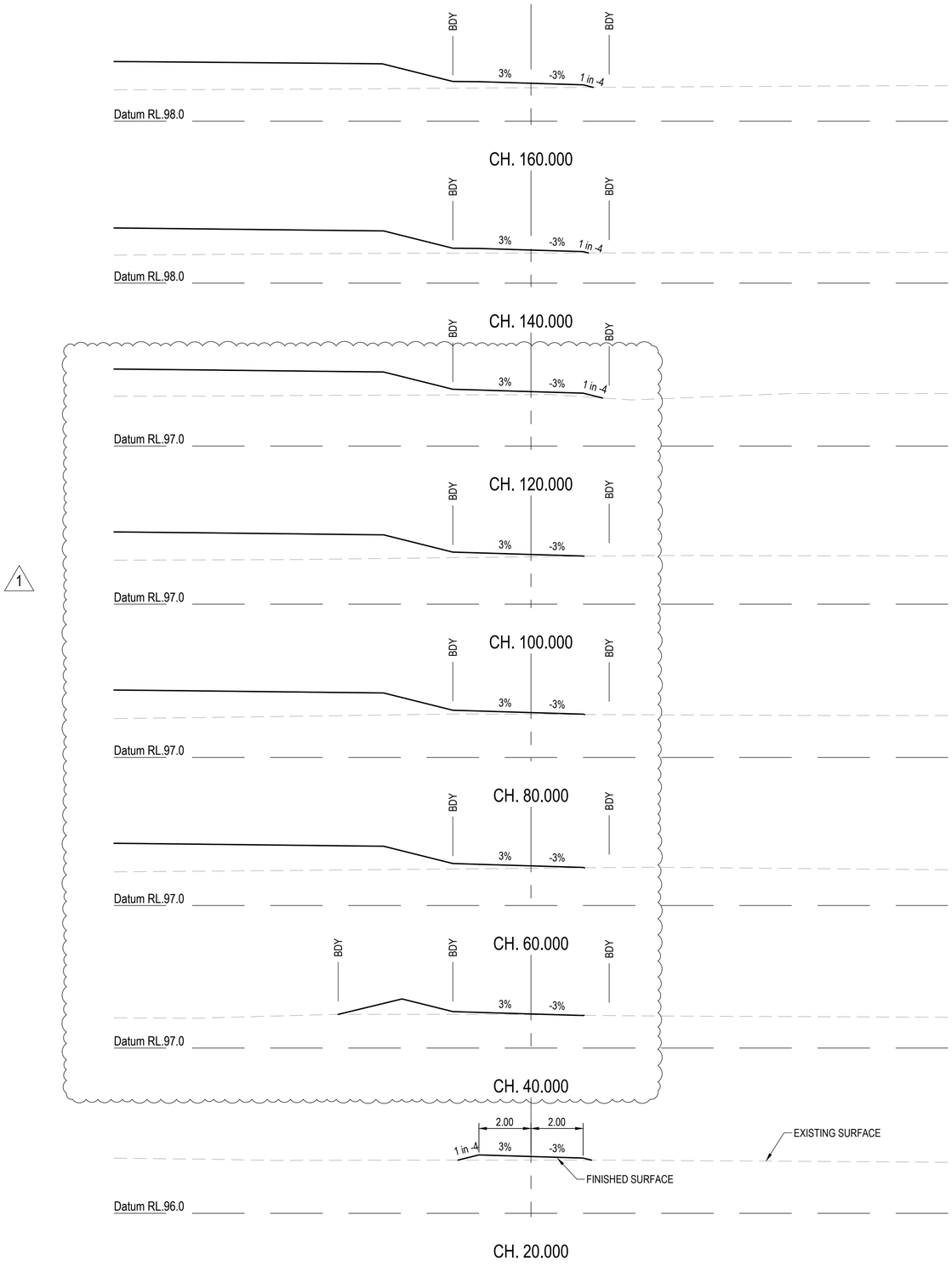
SCALE

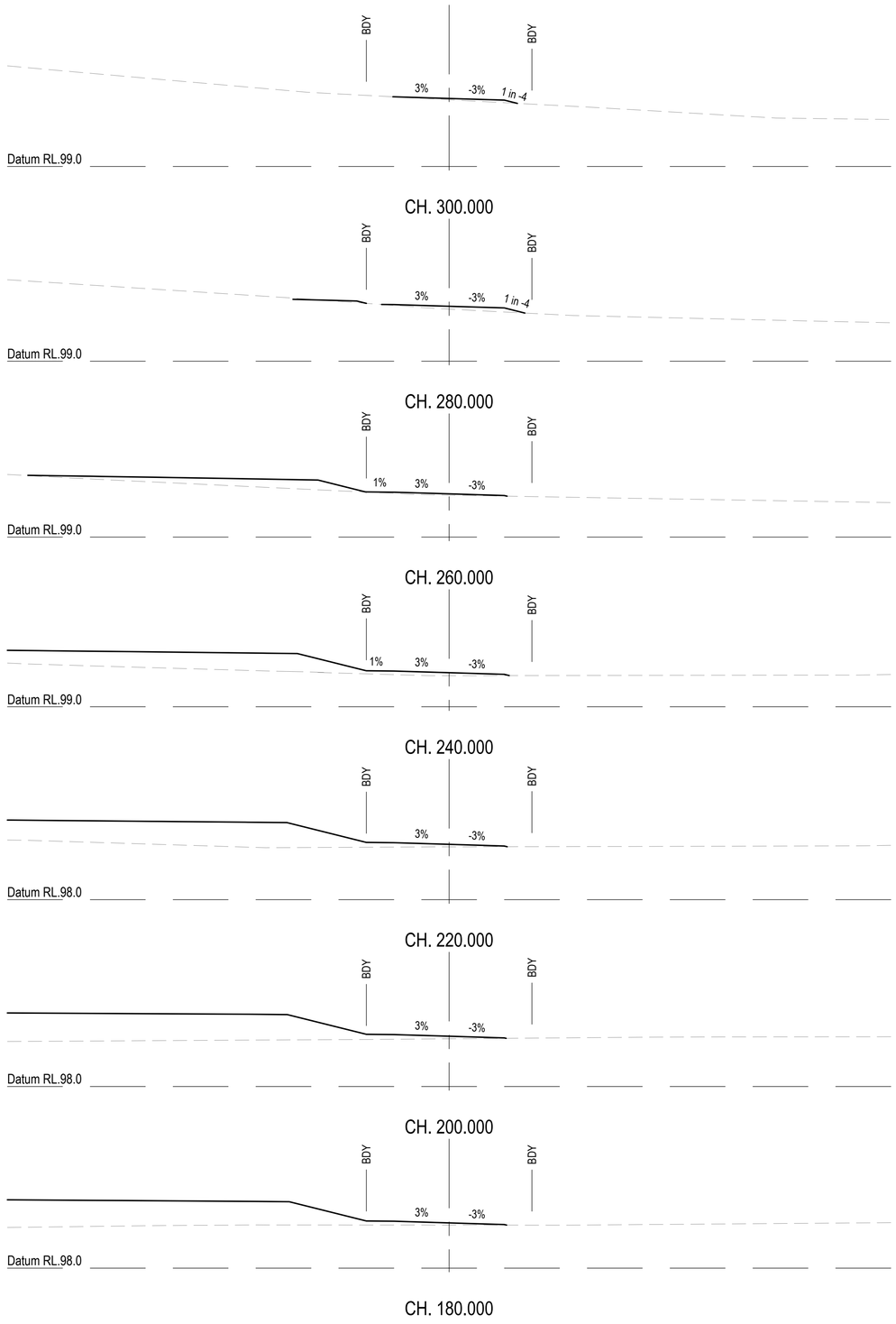
PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
BUSHFIRE TRAIL 8
LONGITUDINAL SECTION - SHEET 2

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE	
CK	MP		
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1
JOB No.	DRAWING No.		REVISION
BR242036	C6704		0





1

REVISIONS:			
1	ISSUED FOR MINOR CHANGE	MP	20/06/25
0	ISSUED FOR CONSTRUCTION	MP	13/03/25
No.	REVISION DESCRIPTION	DRAWN	DATE

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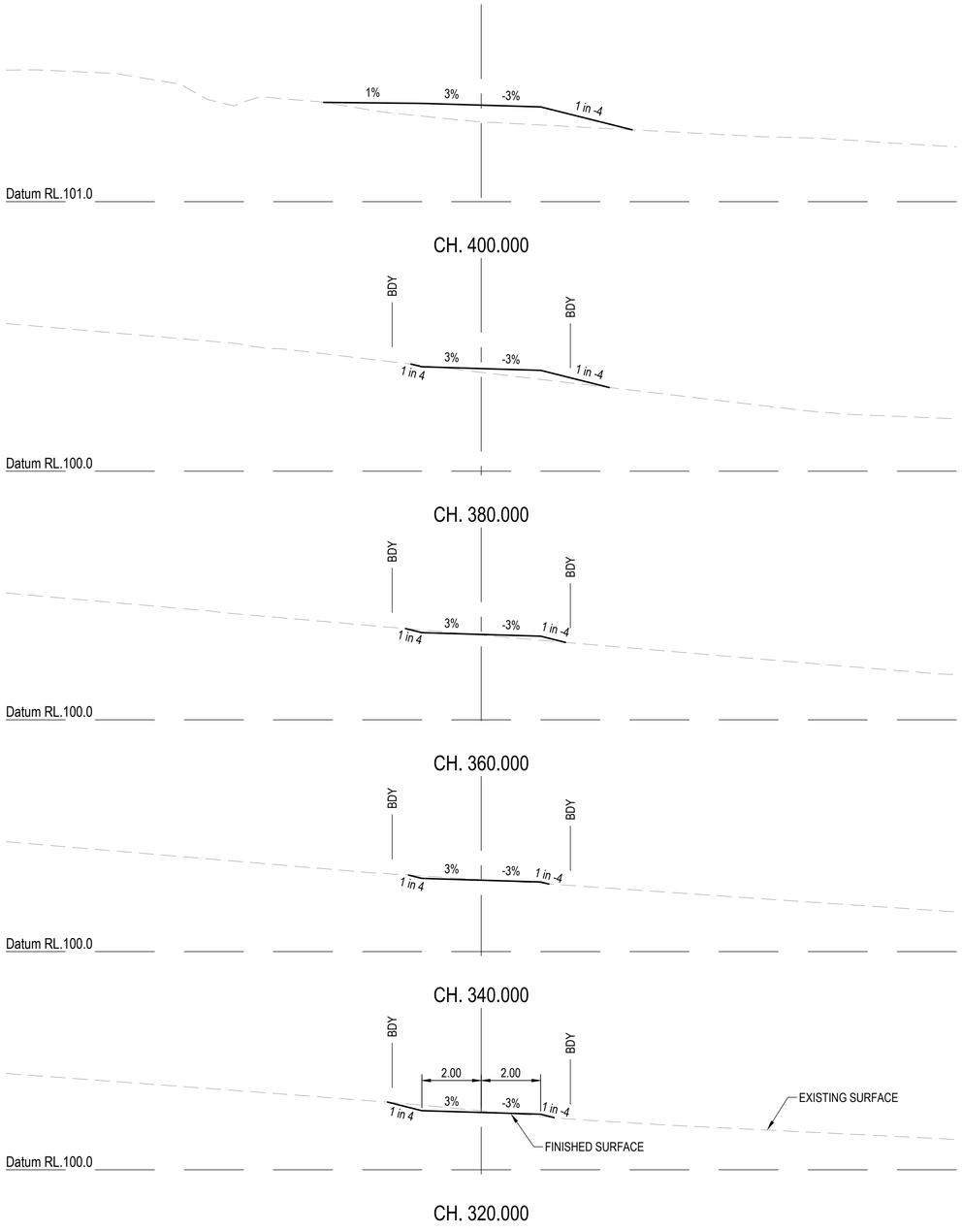
SCALE
0 1 2 3 4 5m 10m
SCALE 1:100

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
BUSHFIRE TRAIL 8
CROSS SECTIONS - SHEET 1

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE	
CK	MP		
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1
JOB No.	DRAWING No.		REVISION
BR242036	C6705		1



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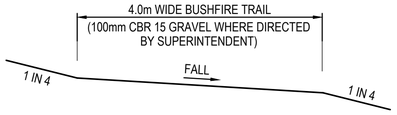
SCALE
0 1 2 3 4 5m 10m
SCALE 1:100

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
BUSHFIRE TRAIL 8
CROSS SECTIONS - SHEET 2

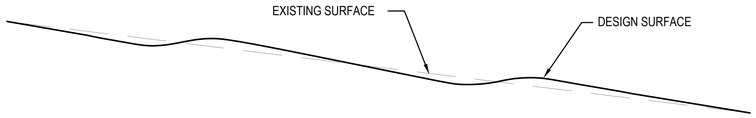
DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE	
CK	MP		
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1
JOB No.		DRAWING No.	REVISION
BR242036		C6706	0

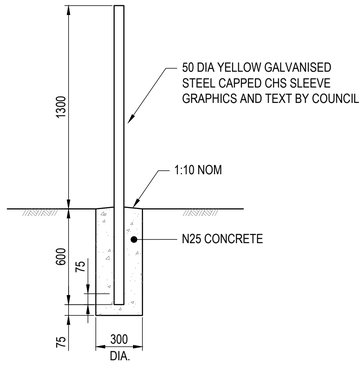


NOTE:
SUBGRADE SUITABLILTY TO BE CONFIRMED
BY SUPERINTENDENT PRIOR TO GRAVEL PLACEMENT

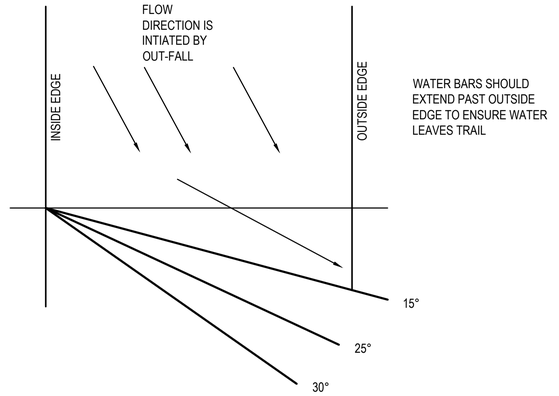
TYPICAL SECTION - BUSHFIRE TRAIL
SCALE 1:50



FORMATION OF WATERBAR
NOT TO SCALE



PERMANENT FIRE TRAIL POST DETAIL
SCALE 1:20



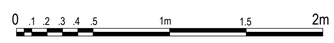
WATER BAR ORIENTATION ON THE TRAIL
NOT TO SCALE

FIRE TRAIL NOTES

1. FIRE TRAIL TO BE IN ACCORDANCE WITH THE APPROVED REPORT "BUSHFIRE RISK ASSESSMENT & MANAGEMENT PLAN" PREPARED BY BUSHLAND PROTECTION SYSTEMS DATED 20TH APRIL 2022.
2. PROVIDE A FIRE TRAIL NUMBER SIGN AT EVERY ENTRANCE TO A FIRE TRAIL.
3. COUNCIL WILL ALLOCATE TRAIL NUMBERS AND INSTALL NUMBERING ON POST.

TABLE A

ROAD GRADE	WATER BAR ORIENTATION	SOIL CLASS A WATER BAR SPACING	SOIL CLASS B WATER BAR SPACING	SOIL CLASS C WATER BAR SPACING	WATER BAR HEIGHT
UP TO 10%	35°	15 - 20m	10 - 12m (apart)	7 - 10m (apart)	0.3 - 0.4m
11% TO 15%	25°	8 - 10m	7 - 10m	UNDESIRABLE	0.4 - 0.6m
15% TO 20%	15°	5 - 8m	CONCRETE	CONCRETE	CONCRETE & OUT-FALL
21% TO 25%	CONCRETE	CONCRETE	CONCRETE	CONCRETE	CONCRETE & OUT-FALL
26% TO 30%	CONCRETE	CONCRETE	CONCRETE	CONCRETE	CONCRETE & OUT-FALL
ABOVE 30%	RELOCATE TRAIL ALIGNMENT	RELOCATE TRAIL ALIGNMENT	RELOCATE TRAIL ALIGNMENT	RELOCATE TRAIL ALIGNMENT	RELOCATE TRAIL ALIGNMENT



SCALE 1:20

SCALE 1:50

REVISIONS:

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0	ISSUED FOR CONSTRUCTION	MP	13/03/25

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SCALE

PROJECT TITLE
PROPOSED SUBDIVISION
174 ADARE ROAD, ADARE, QLD 4343
STAGES 6 AND 7

DRAWING TITLE
BUSHFIRE TRAIL DETAILS

DRAWING STATUS
ORIGINAL ISSUE
FOR CONSTRUCTION

PROJECT LEADER	DESIGNER	SIGNATURE	
CK	MP	CALVIN KIRK RPEQ:19536	
DRAFTSPERSON	SCALE	DATE	SHEET SIZE
MP	AS SHOWN	13/03/25	A1
JOB No.		DRAWING No.	REVISION
BR242036		C6707	0