

WEINAM CREEK PRIORITY DEVELOPMENT AREA - COAST GUARD

WEINAM CREEK REDLAND BAY FOR REDLAND INVESTMENT CORPORATION

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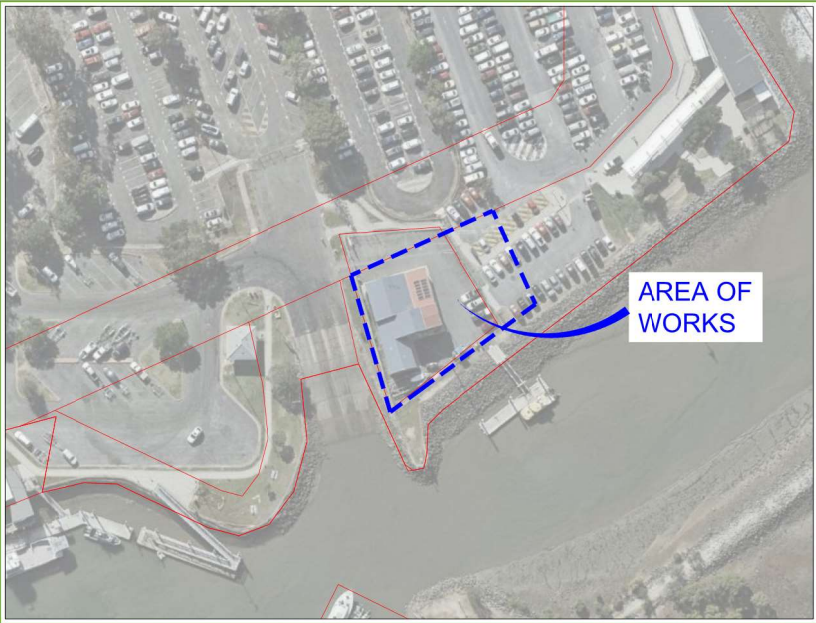


IMAGE SOURCE: QLD GLOBE

LOCALITY PLAN

SCALE: NTS

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2024/1543
Date: 24 December 2025



THE ORIGINAL PLANS OF THIS PLAN SET WERE PRODUCED USING COLOUR FOR GREATER CLARITY AND OBJECT DEFINITION. WORKING WITH A BLACK AND WHITE COPY MAY CAUSE ERRORS. IF THESE DRAWINGS ARE NOT IN COLOUR THEN YOU **DO NOT** HAVE THE CORRECT PRESENTATION AND SHOULD SEEK ADVICE.

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TITLE: LOCALITY PLAN & DRAWING INDEX

PROJECT:
WEINAM CREEK PRIORITY DEVELOPMENT AREA - COAST GUARD
WEINAM CREEK REDLAND BAY
FOR REDLAND INVESTMENT CORPORATION

No. 1 of 13 DRAWINGS	
Job No. FC-22-014-CG	DWG No. C-0001
0 A B C D E	

A3

LEGEND

- EXISTING LOT BOUNDARY
EXISTING CONTOURS
EXISTING KERB AND CHANNEL
EXISTING FENCE
EXISTING CONCRETE EDGE LINE
EXISTING BUILDING TO REMAIN
EXISTING WATERMAIN
EXISTING WATER CONDUIT
EXISTING DRAINAGE LINE
EXISTING DRAINAGE STRUCTURES
EXISTING SEWER RISING MAIN
EXISTING TELSTRA LINE
EXISTING UNDERGROUND ELECTRICITY LINE
EXISTING SERVICE PILLAR
EXISTING LIGHTPOLE
EXISTING PAVEMENT SURFACING
EXISTING CONCRETE

UNDERGROUND ELECTRICAL NOTE:

EXISTING UNIDENTIFIED UNDERGROUND ELECTRICITY WITHIN AREA OF WORKS. CARE TO BE TAKEN DURING CONSTRUCTION.

CONTOUR NOTE:

CONTOURS SHOWN DEPICT EXISTING SURFACE AND ARE AT 0.1m INTERVALS.

SURVEY POINT SETOUT

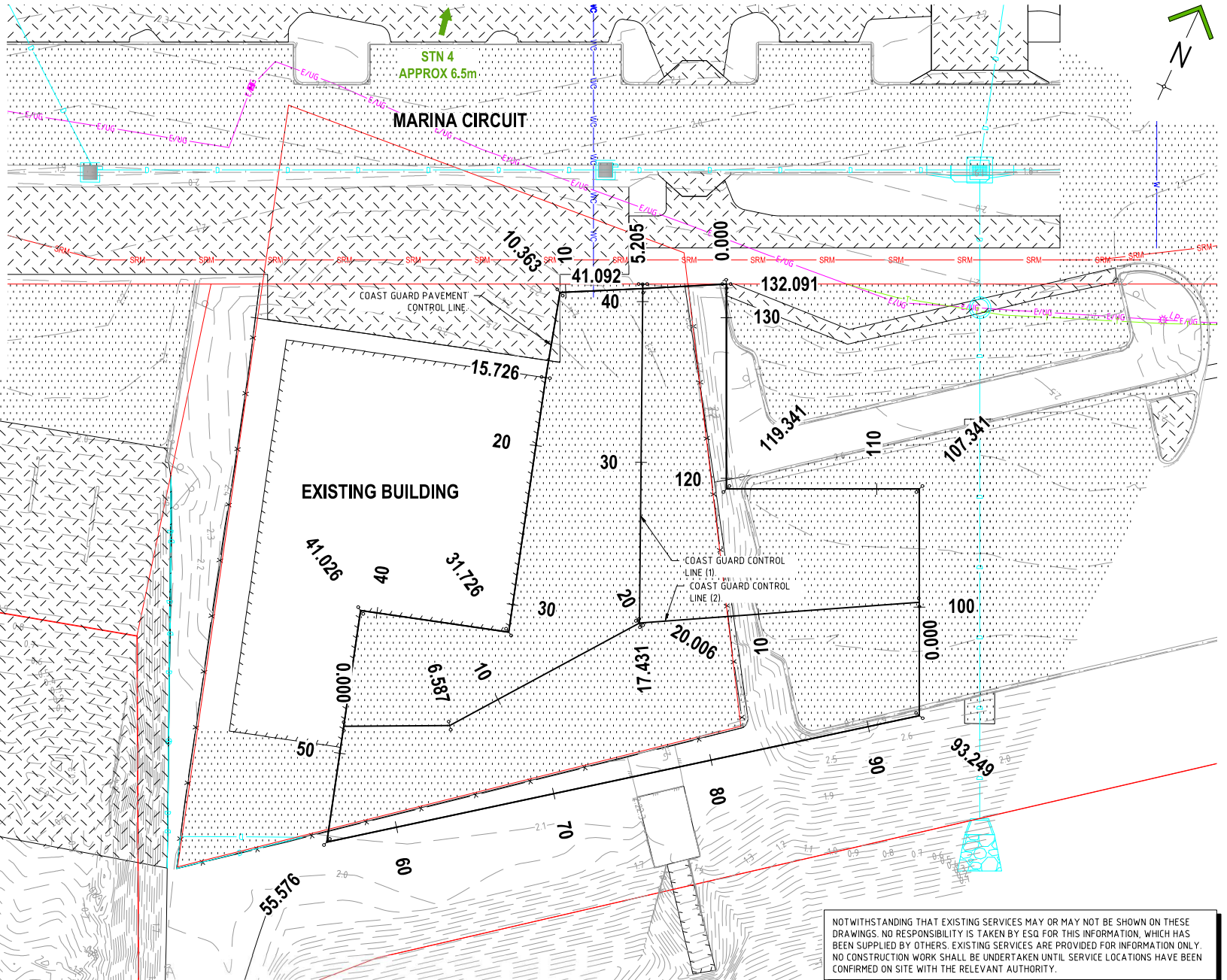
POINT ID	EASTING	NORTHING	LEVEL
STN 4	30646.92	143815.33	2.29



ARRANGE FOR LOCATIONS ON SITE BY THE APPROPRIATE AUTHORITIES BEFORE DIGGING. CALL 48 HOURS BEFORE YOU DIG.

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

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REDLAND
INVESTMENT CORPORATION

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TITLE: EXISTING SITE FEATURES & CONTROL LINES

PROJECT:
WEINAM CREEK PRIORITY DEVELOPMENT AREA - COAST GUARD
WEINAM CREEK REDLAND BAY
FOR REDLAND INVESTMENT CORPORATION

No. 2 of 13 DRAWINGS	
Job No.	DWG No.
FC-22-014-CG	C-0002
O A B C D E	

A3

COAST GUARD PAVEMENT CONTROL LINE SETOUT					
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING
IP 1	0.000	30682.997	143806.073	2.450	242°28'24.08"
IP 2	5.205	30678.381	143803.668	2.198	
IP 3	10.363	30673.794	143801.308	2.350	
IP 4	15.726	30675.178	143796.126	2.400	
	20.000	30676.368	143792.022	2.431	163°50'20.00"
IP 5	31.726	30679.632	143780.759	2.600	
	40.000	30671.685	143778.456	2.600	253°50'20.00"
IP 6	41.026	30670.699	143778.170	2.600	
IP 7	55.576	30674.749	143764.195	2.620	
	60.000	30678.305	143766.827	2.620	53°29'48.71"
	80.000	30694.382	143778.724	2.620	53°29'48.71"
IP 8	93.249	30705.031	143786.605	2.620	
	100.000	30702.237	143792.751	2.407	335°32'53.79"
IP 9	107.341	30699.198	143799.434	2.450	
IP 10	119.341	30688.274	143794.467	2.450	
	120.000	30688.002	143795.067	2.450	335°32'53.79"
IP 11	132.091	30682.997	143806.073	2.450	335°32'53.79"

COAST GUARD CONTROL LINE (1) SETOUT					
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING
IP 1	0.000	30672.726	143771.178		65°10'23.35"
IP 2	6.587	30678.704	143773.943	2.552	
	10.000	30680.764	143776.664	2.492	37°07'40.75"
	20.000	30686.800	143784.637	2.313	37°07'40.75"
IP 3	20.006	30686.804	143784.642	2.313	
	30.000	30682.758	143793.781	2.378	336°07'13.88"
	40.000	30678.710	143802.925	2.246	336°07'13.88"
IP 4	41.092	30678.268	143803.923		336°07'13.88"

COAST GUARD CONTROL LINE (2) SETOUT					
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING
IP 1	0.000	30702.097	143793.007	2.400	241°19'16.38"
	5.000	30697.710	143790.608	2.375	241°19'16.38"
	10.000	30693.323	143788.209	2.350	241°19'16.38"
	15.000	30688.937	143785.809	2.325	241°19'16.38"
IP 2	17.431	30686.804	143784.642	2.313	241°19'16.38"

PLANS AND DOCUMENTS
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TITLE: CONTROL LINE SETOUT DATA

A3

PROJECT:
WEINAM CREEK PRIORITY DEVELOPMENT AREA - COAST GUARD
WEINAM CREEK REDLAND BAY
FOR REDLAND INVESTMENT CORPORATION

No. 3 of 13 DRAWINGS	
Job No. FC-22-014-CG	DWG No. C-0003
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GENERAL NOTES:

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
- NO WORK SHALL BE CARRIED OUT WITHIN 3.0m OF ANY UNDERGROUND SERVICE WITHOUT FIRST CONSULTING WITH THE RELEVANT AUTHORITY.
- THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING SERVICES WITH THE RELEVANT AUTHORITIES BEFORE COMMENCING CONSTRUCTION. ANY COSTS ASSOCIATED WITH THE DAMAGE OR REPAIR TO EXISTING SERVICES SHALL BE PAID FOR BY THE CONTRACTOR.
- THE CONTRACTOR SHALL EMPLOY APPROPRIATE COMPACTION EQUIPMENT WHEN WORKING IN THE VICINITY OF EXISTING SERVICES AND RESIDENCES.
- THE CONTRACTOR TO VERIFY ALL DIMENSIONS ON-SITE PRIOR TO THE COMMENCEMENT OF WORKS. THE SUPERINTENDENT SHALL RULE ON ANY DISCREPANCIES FOLLOWING LIAISON WITH THE CONSULTANT.
- IN ADDITION TO ENGINEERING SOLUTIONS QLD SPECIFICATIONS, ALL WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH R.C.C, TMR & IPWEAQ SPECIFICATIONS.
- IN ADDITION TO COMPACTION TESTING OF THE SUBGRADE, SUB-BASE AND BASE, AND IN THE CASE OF COMPACTION OF COARSE GRANULAR MATERIAL, PROOF TEST ROLLING SHALL BE UNDERTAKEN AS SOON AS POSSIBLE AFTER COMPLETION OF COMPACTION, IN THE PRESENCE OF THE SUPERINTENDENT AND COUNCIL'S INSPECTOR. SUCH TEST ROLLING SHALL BE DONE IN ACCORDANCE WITH AS 3798 - 2007. DRIED OUT SURFACES SHALL NOT BE ACCEPTABLE FOR TEST ROLLING. ATTENTION WILL BE GIVEN TO THE RELEVANCE OF TIMING AND MOISTURE CONTENT AS DESCRIBED IN THE ABOVE STANDARD.
- NOTIFICATION SHALL BE PROVIDED TO COUNCIL 24 HOURS IN ADVANCE OF ALL REQUIRED INSPECTIONS TO ALLOW COUNCIL'S INSPECTOR TO ATTEND IF DEEMED TO BE NECESSARY.
- ALL DISTURBED AREAS TO BE TOPSOILED AND GRASS SEEDDED UNLESS NOTED OTHERWISE.

CONCRETE NOTES:

- CONCRETE TO BE N32 IN ACCORDANCE WITH AS 1379 AND AS 3600.
- REINFORCING MESH TO AS/NZS 4671, LAID CENTRALLY WITH 50mm EDGE COVER, LAP FABRIC 250mm.
- SAW CUT JOINTS ARE TO BE UNDERTAKEN BETWEEN 4 TO 12 HOURS AFTER LAYING DEPENDING ON CONDITIONS. JOINT SEALANT IS REQUIRED IN SANDY AREAS. PROPRIETY CRACK INDUCER PRODUCTS MAY BE USED IN PLACE OF SAW CUTTING ON CONTROL JOINTS.
- DOWELLED CONTROL JOINTS TO BE SEALED WITH A LOW MODULUS SELF PRIMING SEALANT TO THE MANUFACTURER'S SPECIFICATIONS. THE COLOUR OF THE SEALANT IS TO MATCH THE ADJOINING SURFACE FINISH.
- CONCRETE MIX
THE CONCRETE SHALL HAVE A MINIMUM 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH AS SPECIFIED IN THE SCHEDULE OF CONCRETE PAVEMENT TABLE.
SUBGRADE PAVEMENT AREAS SHALL BE PREPARED THE SAME AS CONVENTIONAL ROADS REFER TO SCHEDULE OF CONCRETE PAVEMENT TABLE.
- TRAFFIC
TRAFFIC SHALL NOT BE ALLOWED ON THE FINISHED CONCRETE PAVEMENT FOR AT LEAST 14 DAYS AFTER THE COMPLETION OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING MEASURE TO PREVENT UNAUTHORISED ACCESS.
- JOINTS
ALL JOINTS SHALL BE LOCATED GENERALLY PERPENDICULAR TO THE CENTRELINE ALL CONTROL JOINTS TO BE COMPLETED AS SOON AS CONCRETE HAS CURED SUFFICIENTLY SO AS NOT TO DAMAGE THE SLAB SURFACE.
ALL JOINTS ARE TO BE INSTALLED AS DETAILED ON IPWEAQ STD DWG RS-065.
- COMPLIANCE STANDARDS
SLIP RESISTANCE OF SURFACE MATERIAL IN ACCORDANCE WITH AUSTRALIAN STANDARDS.
AS/NZS 4586 2013 SLIP RESISTANCE OF NEW PEDESTRIAN SURFACE MATERIALS.
AS/NZS 4663 2013 SLIP RESISTANCE MEASUREMENT OF EXISTING PEDESTRIAN SURFACES.

COMPACTION NOTES:

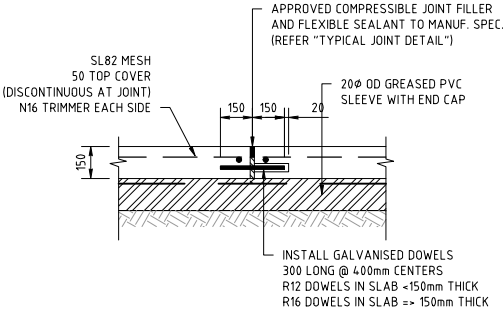
- ROADWORKS UP TO 300mm BELOW SUBGRADE - 95% STANDARD
ROADWORKS WITHIN 300mm OF SUBGRADE - 100% STANDARD
LOT FILL - 98% STANDARD
SUB BASE GRAVEL - 100% STANDARD
BASE GRAVEL - 100% STANDARD

PAVEMENT NOTES:

- PAVEMENT DESIGN NOMINATED ON THESE DRAWINGS HAS BEEN BASED ON A CBR OF 5% (TESTING CARRIED OUT BY STANTEC AUSTRALIA PTY LTD.).
- GEOTECHNICAL TESTING TO BE UNDERTAKEN TO CONFIRM PAVEMENT DESIGN
- NOTIFY ALL RELEVANT AUTHORITIES PRIOR TO COMMENCEMENT OF WORK WITHIN EXISTING ROAD RESERVES.

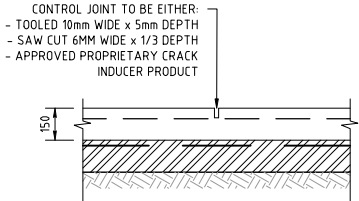
PAVEMENT DESIGN TABLE

DRIVEWAY	PAVEMENT
DRIVEWAY	150mm N32 CONCRETE WITH SL82 MESH 50mm BEDDING SAND/CRUSHER DUST 150mm SUB-BASE TYPE 2.3C



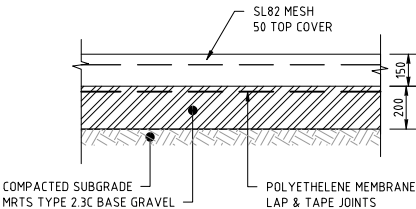
DOWELLED CONTROL JOINT (DCJ)

SCALE: 1:25



CONTROL JOINT (CJ)

SCALE: 1:25



CONCRETE SLAB DETAIL

SCALE: 1:25

PLANS AND DOCUMENTS
referred to in the PDA
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TITLE: TYPICAL SECTIONS & STANDARD NOTES

PROJECT:
WEINAM CREEK PRIORITY DEVELOPMENT AREA - COAST GUARD
WEINAM CREEK REDLAND BAY
FOR REDLAND INVESTMENT CORPORATION

No. 4 of 13 DRAWINGS										
Job No.						DWG No.				
FC-22-014-CG						C-0004				
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A3

NOTES - RETAINING WALL

DESIGN

- D1. ALL FOUNDATIONS TO HAVE A MINIMUM ALLOWABLE BEARING PRESSURE PRESSURE OF 125KPa. STIFF OR SANDY CLAY, SAND AND DECOMPOSED SHALE NORMALLY MEET THIS REQUIREMENT.
- D2. STRUCTURAL CLASSIFICATION (AS4678) - "B"
- LIVE LOAD SURCHARGE - 2.5 kPa (RETAINED HT ≤ 1500mm)
- 5.0 kPa (RETAINED HT > 1500mm)
- SATURATED FILL DENSITY - 1900 kg/m³
- CHARACTERISTIC INTERNAL FRICTION ANGLE - 25° (RETAINED MATERIAL)
- 30° (FOUNDATIONS)

MATERIALS

- M1. ALL CONCRETE SHALL BE GRADE N25.
- M2. ALL BLOCKS SHALL BE GRADE 15 IN ACCORDANCE WITH AS/NZS 4455
- M3. ALL MORTAR SHALL BE M4 CLASS
- M4. ALL REINFORCING STEEL TO BE DEFORMED BARS GRADE 500N IN ACCORDANCE WITH AS/NZS 4671.
- M5. ALL GROUT SHALL BE 20MPa STRENGTH AT 28 DAYS WITH 10MM MAXIMUM AGGREGATE AND WITH A SLUMP OF 230MM MIN.

CONSTRUCTION

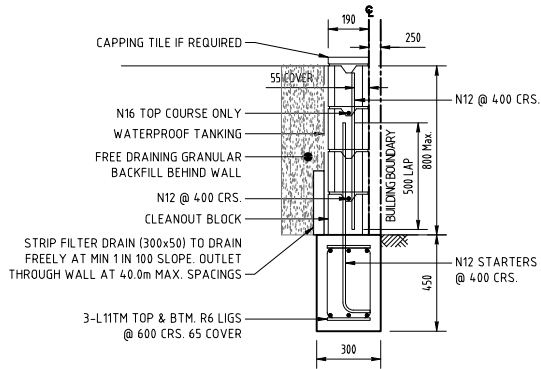
- C1. THE VERTICAL SIDES OF THE FOOTING SHALL BE CAST DIRECTLY IN CONTACT WITH SOLID FACES OF THE EXCAVATION.
- C2. ALL BLOCKS SHALL BE FACE SHELL BEDDED. MORTAR JOINT THICKNESS SHALL NOT EXCEED 10.0mm. SURFACE OF ALL JOINTS SHALL BE TOOLED TO PRODUCE A DENSE WATER SHEDDING FINISH. JOINTS SHALL NOT BE RAKED.
- C3. PROVIDE WEEP HOLES TO ALTERNATE VERTICAL PERPENDS IN BOTTOM CLEAN OUT COURSE.
- C4. ALL CORES TO BE CLEARED FREE OF MORTAR FINES AND SPILLAGE PRIOR TO FILLING.
- C5. REINFORCEMENT, PARTICULARLY VERTICAL REINFORCING BARS IN THE WALL, SHOULD BE POSITIONED ACCURATELY AND TIED SECURELY BEFORE PLACING CONCRETE OR GROUT.
- C6. ALL CORES TO BE COMPLETELY FILLED WITH GROUT, WHETHER REINFORCED OR NOT AND ALL GROUT CORES ARE TO BE COMPACTED BY RODDING OR MECHANICAL VIBRATOR.
- C7. SLOTTED SUBSOIL DRAIN TO HAVE A MINIMUM GRADE OF 1 IN 100 TO A FREE DRAINING OUTLET.
- C8. BACKFILLING SHALL NOT COMMENCE UNTIL 14 DAYS AFTER COMPLETION OF GROUT FILLING.
- C9. ALL BACKFILL EXCEPT THE DRAINAGE LAYER SHALL BE COMPACTED TO AT LEAST 85% OF MAXIMUM DENSITY AS PER TEST E. 2.1 OF AS 1289 FOR MODIFIED COMPACTION - STANDARD METHOD. VIBRATING MECHANICAL ROLLERS SHALL NOT BE USED WITHIN A DISTANCE BEHIND THE WALL OF HALF OF THE HEIGHT OF THE WALL OR 1METRE, WHICHEVER IS GREATER.

ADVICE TO BUILDERS AND SUPERVISORS

- S1. PARTICULAR ATTENTION SHOULD BE PAID TO ENSURE FREE DRAINAGE BEHIND THE WALL, CORRECT PLACEMENT OF STARTER BARS AND REINFORCING, AND PROPER CORE FILLING AS THESE ARE CRITICAL FACTORS IN THE WALL CONSTRUCTION.

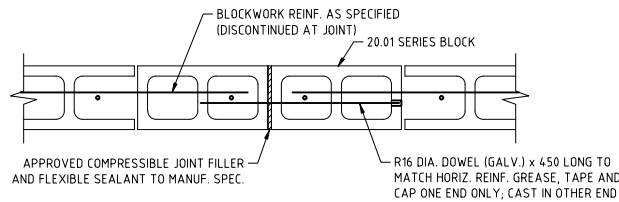
NOTE:

ALL CORES TO BE FULLY GROUTED



TYPICAL RETAINING WALL DETAIL (800mm HIGH Max.)

SCALE 1:25



BLOCKWORK CONTROL JOINT (WCJ)

SCALE: NTS

PLANS AND DOCUMENTS
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TITLE: RETAINING WALL TYPICAL SECTION & STANDARD NOTES A3	
PROJECT:	No. 5 of 13 DRAWINGS
WEINAM CREEK PRIORITY DEVELOPMENT AREA - COAST GUARD	Job No.
WEINAM CREEK REDLAND BAY	DWG No.
FOR REDLAND INVESTMENT CORPORATION	FC-22-014-CG C-0005
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LEGEND

EXISTING LOT BOUNDARY

PROPOSED DRAINAGE STRUCTURES

PROPOSED CONCRETE FOOTPATH

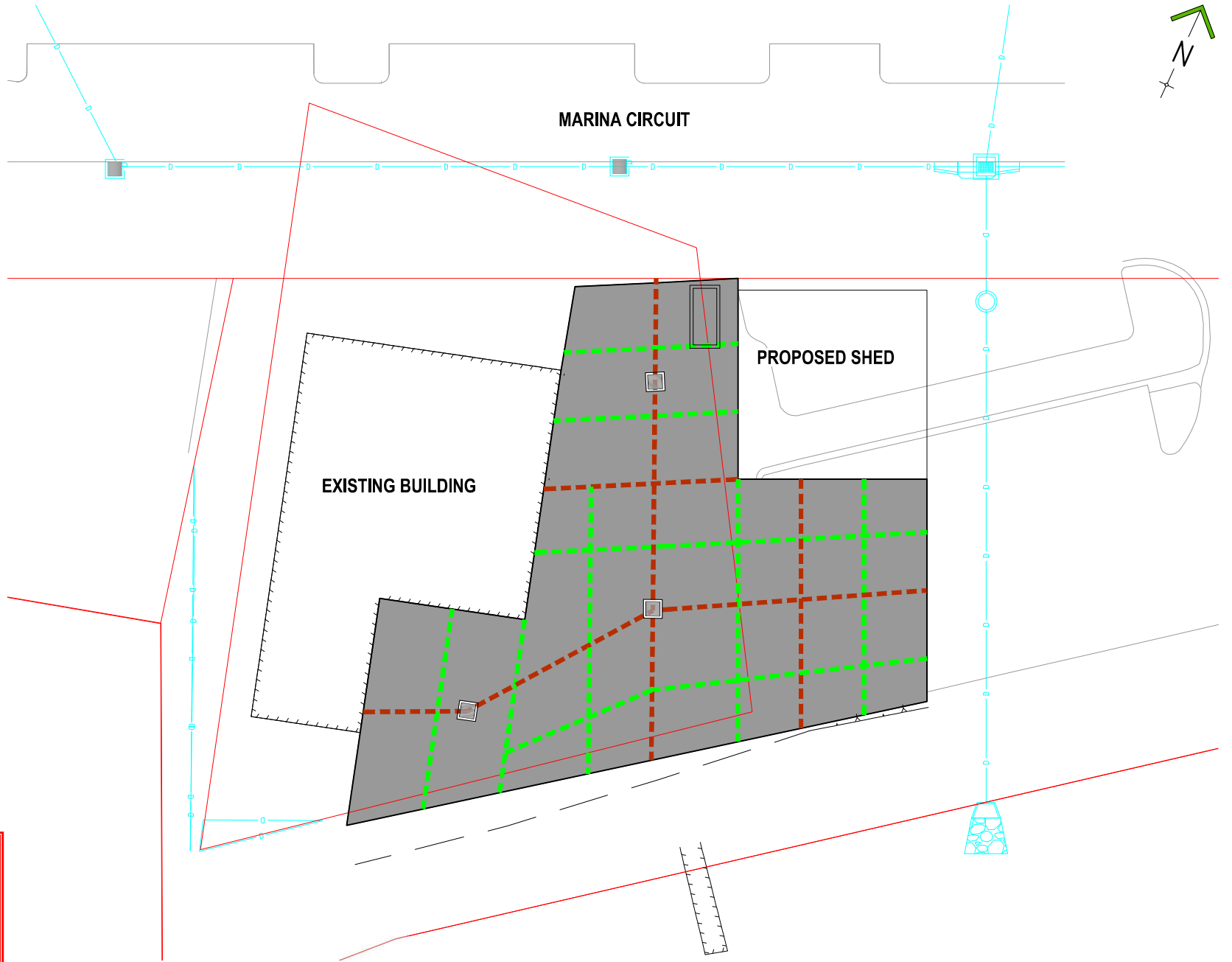
PROPOSED CONCRETE

CONTROL JOINT (CJ)

DOWELLED CONTROL JOINT (DCJ)

NOTE:

REFER C-0004 FOR JOINTING DETAILS.



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REVISIONS		ISSUE DATE	SCALE:	PRELIMINARY		TITLE: JOINTING DETAIL		A3	
E			 SCALE 1:250 (m)	APPROVED:	 REDLAND INVESTMENT CORPORATION	PROJECT:	No. 7 of 13 DRAWINGS		
D				RPEQ: APPROVED DATE:		WEINAM CREEK PRIORITY DEVELOPMENT AREA - COAST GUARD	Job No.	DWG No.	
C						WEINAM CREEK REDLAND BAY	FC-22-014-CG	C-0201	
B						FOR REDLAND INVESTMENT CORPORATION	0	A	
A							B	C	
ORIGINAL ISSUE		21/05/2024	DO NOT SCALE FROM PLAN				D	E	

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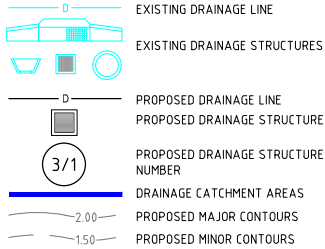
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STORMWATER NOTES:

- THE CONTRACTOR SHALL PERFORM CCTV INSPECTION ON ALL STORMWATER LINES TO THE SATISFACTION OF COUNCIL PRIOR TO THE DEVELOPMENT BEING PLACED 'ON MAINTENANCE'.
- KERB INLETS TO BE CONSTRUCTED GENERALLY IN ACCORDANCE IPWEAQ STD DWG DS-062 (UNO).
- FIELD INLETS TO BE 900x900 PRECAST CONSTRUCTION INCLUDING GRATE, GENERALLY IN ACCORDANCE IPWEAQ STD DWG DSD-201 (UNO).
- PIPE INSTALLATION TO BE IN ACCORDANCE WITH IPWEAQ STD. DWG NO. DS-030 'EXCAVATION, BEDDING AND BACKFILLING RIGID & FLEXIBLE DRAINAGE PIPES'.
- FILL/BACKFILL MATERIAL BENEATH ALL ROADWAYS TO BE CBR 15 MINIMUM.

LEGEND:



CONTOUR NOTE:

CONTOURS SHOWN DEPICT DESIGN SURFACE AND ARE AT 0.05m INTERVALS.

SWD SETOUT POINT TABLE

POINT ID	EASTING	NORTHING	DESCRIPTION
1/1	30678.730	143773.978	900x900 FIELD INLET
2/1	30686.759	143784.742	900x900 FIELD INLET
3/1	30680.924	143797.924	900x900 FIELD INLET
4/1	30682.091	143802.995	3.6mX1.65m CHAMBER
5/1	30673.236	143809.263	EXISTING PIT

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

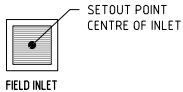
Approval no: DEV2024/1543

Date: 24 December 2025



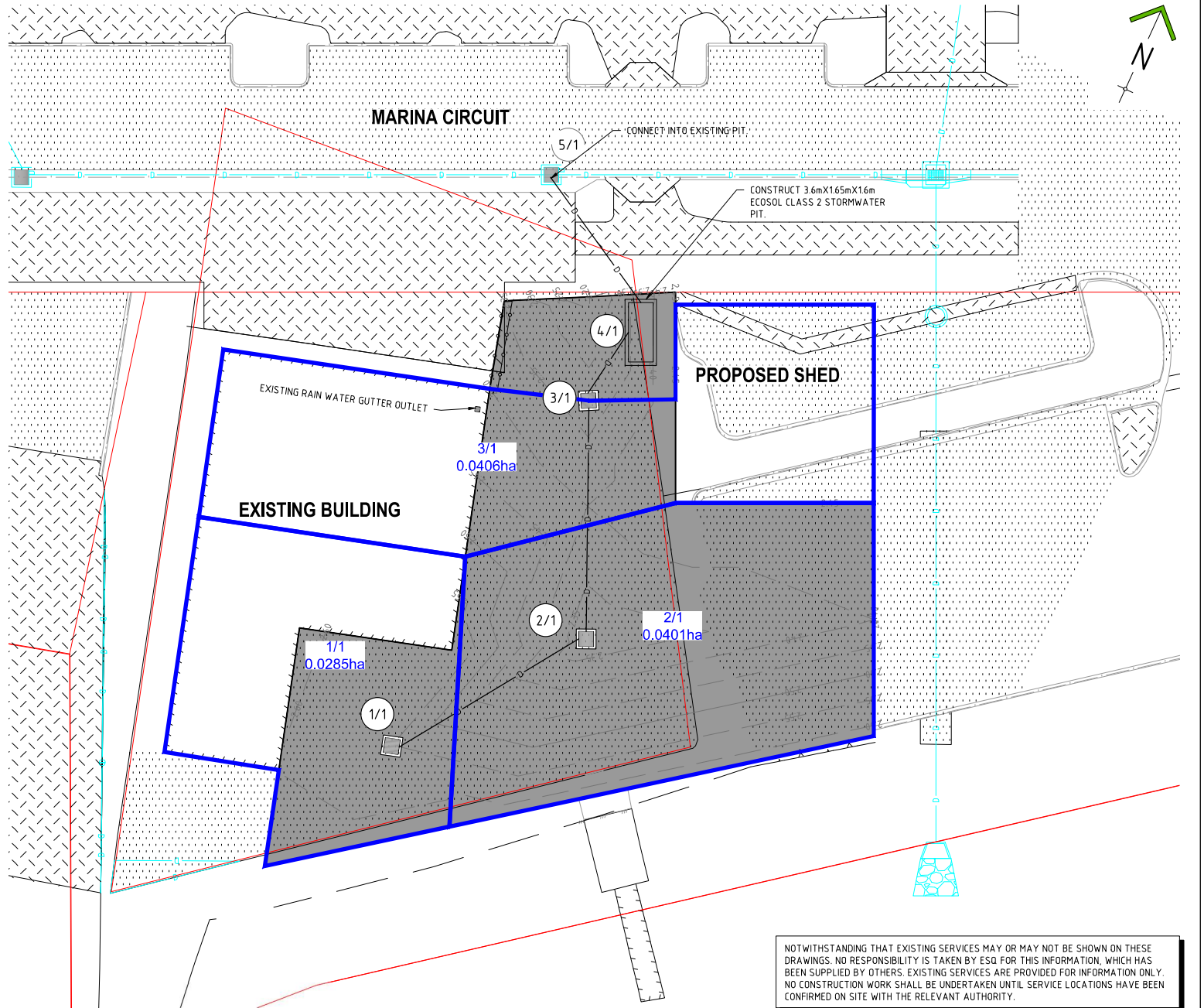
FIELD GULLY NOTES

ALL FIELD INLETS LOCATED IN DRIVEWAY TO BE FITTED WITH CLASS 'D' TRAFFICABLE GRATES.



DRAINAGE STRUCTURE SETOUT DETAILS

SCALE: NTS



NOTWITHSTANDING THAT EXISTING SERVICES MAY OR MAY NOT BE SHOWN ON THESE DRAWINGS, NO RESPONSIBILITY IS TAKEN BY ESQ FOR THIS INFORMATION, WHICH HAS BEEN SUPPLIED BY OTHERS. EXISTING SERVICES ARE PROVIDED FOR INFORMATION ONLY. NO CONSTRUCTION WORK SHALL BE UNDERTAKEN UNTIL SERVICE LOCATIONS HAVE BEEN CONFIRMED ON SITE WITH THE RELEVANT AUTHORITY.

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REDLAND
INVESTMENT CORPORATION

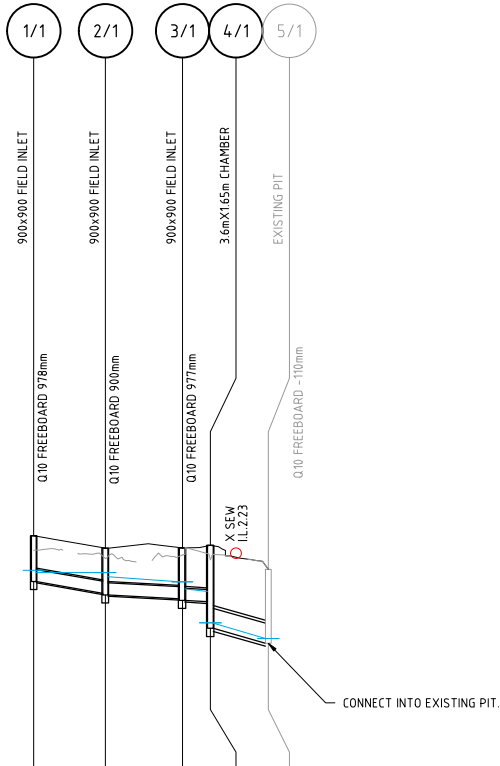
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TITLE: DRAINAGE CATCHMENT PLAN

PROJECT:
WEINAM CREEK PRIORITY DEVELOPMENT AREA - COAST GUARD
WEINAM CREEK REDLAND BAY
FOR REDLAND INVESTMENT CORPORATION

No. 8 of 13 DRAWINGS	
Job No.	DWG No.
FC-22-014-CG	C-0300
O A B C D E	

A3



PIPE SIZE (mm)	225	225	225	375
PIPE CLASS	Black Max	Black Max	Black Max	Black Max
PIPE GRADE (%)	1.62%	0.50%	0.50%	2.55%
PIPE SLOPE (1 in X)	61.6	200.0	200.0	39.2
PIPE FLOW (cumecs)	0.011	0.036	0.052	0.052
MAX CAPACITY RATIO	14%	78%	113%	13%
VELOCITY AT MAX FLOW (m/s)	0.34	0.90	1.35	2.30
PEAK VELOCITY (m/s)	0.86	0.90	1.35	2.30
DATUM RL	-6.000			
DEPTH TO INVERT	0.858	0.840	0.951	1.383
Q10 HGL ELEVATION	1.902	1.865	1.889	1.383
INVERT LEVEL OF DRAIN	1.693	1.475	1.373	0.541
DESIGN (& EXISTING) SURFACE LEVEL	2.552 (2.277)	2.314 (2.126)	2.324 (2.190)	1.974 (2.105)
CHAINAGE	0.000	13.429	27.845	43.898

LINE 1

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2024/1543
Date: 24 December 2025



REVISIONS	ISSUE DATE	SCALE:
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APPROVED:

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APPROVED DATE:



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TITLE: DRAINAGE LONGITUDINAL SECTIONS		A3	
PROJECT:		No. 9 of 13 DRAWINGS	
WEINAM CREEK PRIORITY DEVELOPMENT AREA - COAST GUARD		Job No.	DWG No.
WEINAM CREEK REDLAND BAY		FC-22-014-CG	C-0301
FOR REDLAND INVESTMENT CORPORATION		0	A B C D E

CONSTRUCTION MANAGEMENT PLAN

WEINAM CREEK PRIORITY DEVELOPMENT AREA - COAST GUARD WEINAM CREEK, REDLAND BAY FOR REDLAND INVESTMENT CORPORATION



IMAGE SOURCE: QLD GLOBE

LOCALITY PLAN

SCALE: NTS

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2024/1543
Date: 24 December 2025



REVISIONS	ISSUE DATE	SCALE:
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CLEARING OF VEGETATION

- NO CLEARING SHALL BE CARRIED OUT BEYOND THE EXTENTS OF EARTHWORKS OR WHERE NECESSARY FOR SERVICES CONSTRUCTION WITHOUT WRITTEN APPROVAL OF THE SUPERINTENDENT.
- MILLABLE LOGS ARE TO BE REMOVED FOR SAWMILLING.
- SUITABLE MATERIAL IS TO BE MULCHED FOR REUSE ON SITE.

EARTHWORKS:

- ALL EARTHWORKS TO BE CARRIED OUT IN ACCORDANCE WITH AS 3798.
- EARTHWORKS TO BE CARRIED OUT TO 'LEVEL 1' STANDARD IN ROADS AND 'LEVEL 2' STANDARD IN LOTS FOR SUPERVISION, INSPECTION AND TESTING IN ACCORDANCE WITH AS 3798.
- TESTING FREQUENCY SHALL BE FOR 'TYPE 1' EARTHWORKS IN ACCORDANCE WITH AS 3798.
- THE CONTRACTOR SHALL PROGRESSIVELY SUBMIT ALL INSPECTION CERTIFICATIONS AND TEST RESULTS (E.G. FIELD DENSITIES) IN COMPLIANCE WITH AS 3798.
- STRIP AND STOCKPILE AVAILABLE TOPSOIL (ASSUMED AVERAGE DEPTH 75mm) FROM ALL AREAS TO BE DISTURBED BY BULK EARTHWORK ACTIVITIES.
- STOCKPILES TO :
 - RUN ALONG THE CONTOUR AS LOW, FLAT, ELONGATED MOUNDS.
 - BE PLACED NO CLOSER THAN 2 METRES FROM EXISTING VEGETATION, CONCENTRATED WATER FLOW, ROADS AND HAZARD AREAS.
 - TOPSOIL STOCKPILES SHALL BE LESS THAN 2 METRES IN HEIGHT.
 - TO HAVE EARTH BANKS ON THE UPSLOPE SIDE TO DIVERT WATER AND SEDIMENT FENCES 1 TO 2 METRES DOWNSLOPE.
 - BE STABILISED AS SOON AS PRACTICAL TO MINIMISE THE POTENTIAL FOR DUST AND EROSION.
- FILL MATERIAL SHALL BE PLACED IN MAXIMUM 250mm LOOSE LAYER THICKNESS. EACH LAYER SHALL BE COMPACTED TO AT LEAST 95% RELATIVE COMPACTION AS MEASURED BY THE STANDARD METHOD DESCRIBED IN AS 3798.
- COMPACT AND PROOF ROLL ALL PREPARED SURFACES PRIOR TO FILLING.
- ALL IMPORTED FILL MATERIAL SHALL BE CLEAN EXCAVATED MATERIAL FREE FROM TOPSOIL AND VEGETATION. THE MATERIAL SHALL BE FREE FROM COBBLES OR ROCKS IN EXCESS OF 100mm NOMINAL SIZE.
- ALL DISTURBED AREAS ARE TO BE STABILISED AS SOON AS PRACTICAL TO MINIMISE THE POTENTIAL FOR DUST AND EROSION. REFER TO CMP PLAN C-0703 FOR PROPOSED TREATMENT.
- CUT AND FILL BATTERS TO EXISTING SURFACE @ 1 ON 4 MAX. U.N.O.

ROADWORKS:

- PROVIDE SUBSOIL DRAINS AS SHOWN ON TYPICAL SECTIONS. MAY BE OMITTED WHERE STORMWATER PIPES ARE SHOWN ON DRAWINGS NOTIFY ALL RELEVANT AUTHORITIES PRIOR TO COMMENCEMENT OF WORK WITHIN EXISTING ROAD RESERVES.
- THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING SERVICES WITH THE RELEVANT AUTHORITIES BEFORE COMMENCING CONSTRUCTION. ANY COSTS ASSOCIATED WITH THE DAMAGE OR REPAIRS TO EXISTING SERVICES SHALL BE PAID FOR BY THE CONTRACTOR.
- ALL WORK SHALL CONFORM WITH F.C.R.C PLANNING SCHEME POLICY AND COUNCIL SPECIFICATIONS IN ADDITION TO THESE PLANS AND ESO'S DOCUMENTATION.
- VERIFY SET OUT DIMENSIONS SHOWN ON THE DRAWINGS BEFORE SITE WORKS, CONSTRUCTION AND FABRICATION COMMENCES. REFER ANY DISCREPANCY TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
- PROVIDE TRAFFIC MANAGEMENT, LINEMARKING AND SIGNAGE TO THE CURRENT "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" / AS1742 REQUIREMENTS.
- ALL EXISTING INFRASTRUCTURE AND ROAD FURNITURE WITHIN THE AREA OF WORKS TO BE SUITABLY RELOCATED AND MADE GOOD.

CONSTRUCTION NOTES:

- CONSTRUCTION START DATE - T.B.A.
- CONSTRUCTION COMPLETION DATE - T.B.A.
- HOURS OF OPERATION - MONDAY TO SATURDAY REFER DWG C-0701
- CONSTRUCTION PROGRAM - SEE BELOW:
- DUST CONTROL MEASURES:-
 - AREAS OF CLEARING / EARTHWORKS TO BE LIMITED TO THAT SHOWN ON OPERATIONAL WORKS PLANS.
 - PHYSICAL BARRIERS TO BE RETAINED. I.E. EXISTING VEGETATION / BUFFER ZONES.
 - SITE TRAFFIC CONTROL: CONSTRUCTION VEHICLE SPEED LIMITS ON UNSEALED TRACKS TO BE REDUCED TO 10km/h OR FURTHER IF REQUIRED.
 - EARTH MOVING EQUIPMENT MANAGEMENT: CONSTRUCTION EQUIPMENT TO BE POSITIONED STRATEGICALLY THROUGHOUT THE SITE TO MINIMISE DUST POLLUTION IMPACT ON NEIGHBOURING PROPERTIES. WIND DIRECTION AND VELOCITY TO BE MONITORED PERIODICALLY. WATER TRUCK TO CYCLE WITHIN DISTURBED AREAS OF THE SITE ON A REGULAR BASIS. WEATHER CONDITIONS TO BE MONITORED AND CYCLES INCREASED IF REQUIRED.
 - VEGETATION TO BE STABILISED AS SOON AS PRACTICAL AT THE COMPLETION OF BULK EARTHWORKS. DISTURBED AREAS TO BE SEEDED, EROSION AND SEDIMENT CONTROL MEASURES TO BE CONSTRUCTED.
- SITE FOREMAN DETAILS - T.B.A.

NOTIFICATION AND INSPECTION PROTOCOLS:

THE SUPERINTENDENT IS RESPONSIBLE FOR LIAISING WITH THE COUNCIL DELEGATE AT THE CRITICAL CONSTRUCTION INSPECTIONS AND THE CONTRACTOR SHALL GIVE SUFFICIENT NOTICE, AS FOLLOWS:

- PRE-START MEETING (MANDATORY) - MINIMUM 7 WORKING DAYS.
- KEY CONSTRUCTION ACTIVITY INSPECTIONS (REFER BELOW) - MINIMUM 48 HOURS.
- ON MAINTENANCE INSPECTION (WHERE SPECIFIED BY COUNCIL AT THE PRE-START MEETING) - MINIMUM 5 WORKING DAYS.
- OFF MAINTENANCE INSPECTION (WHERE SPECIFIED BY COUNCIL AT THE PRE-START MEETING) - MINIMUM 5 WORKING DAYS.
- THE SUPERINTENDENT IS LIKELY TO CONDUCT RANDOM SITE VISITS AT THEIR DISCRETION AS NECESSARY - NO NOTICE.

KEY CONSTRUCTION ACTIVITIES TO BE INSPECTED INCLUDE (BUT ARE NOT LIMITED TO) THE FOLLOWING:

- BULK EARTHWORKS INSPECTION: STRIPPED TOPSOIL VISUAL AND PROOFROLL, SEDIMENT AND EROSION CONTROL MEASURES ARE USED AND MAINTAINED. CONTRACTOR TO SUBMIT CBR AND DENSITY TEST RESULTS COMPLIANT WITH AS3798.
- SUB-GRADE BOX INSPECTION: VISUAL AND PROOFROLL. CONTRACTOR TO SUBMIT CBR AND DENSITY TEST RESULTS.
- PRE-SEAL INSPECTION: MEASUREMENT, STRINGLINE, VISUAL AND PROOFROLL. CONTRACTOR TO SUBMIT CBR AND DENSITY TEST RESULTS.
- CONCRETE PAVEMENT INSPECTIONS: STEEL INSPECTION, MEASUREMENT.
- STORMWATER OUTLET: COMPLIANCE WITH THE DRAWINGS, PRIOR TO COMMENCING PIPE LAYING UPSTREAM.
- UNDERGROUND CULVERT/CONDUIT AND PIPES: CHECK BEDDING AND ALIGNMENT PRIOR TO BACKFILL AND COMPACTION OF TRENCHES.

THE CONTRACTOR SHALL GIVE SUFFICIENT NOTICE TO SUPERINTENDENT PRIOR TO COMMENCEMENT AND UPON COMPLETION OF EACH STAGE OF THE RELEVANT WORKS.

ADDRESSING COMPLAINTS

ALL COMPLAINTS SHALL BE ADDRESSED AS STIPULATED BY RELEVANT COUNCIL APPROVED DOCUMENTS.

TITLE: C.M.P INDEX & STANDARD NOTES

A3

PROJECT:
WEINAM CREEK PRIORITY DEVELOPMENT AREA - COAST GUARD
WEINAM CREEK REDLAND BAY
FOR REDLAND INVESTMENT CORPORATION

No. 10 of 13 DRAWINGS
Job No. FC-22-014-CG
DWG No. C-0700
O A B C D E

CONSTRUCTION MANAGEMENT PLAN

	AIR QUALITY MANAGEMENT	NOISE MANAGEMENT	VIBRATION CONTROL	ON-SITE MACHINERY SERVICING AND MAINTENANCE	STORAGE AND HANDLING OF DANGEROUS GOODS ON-SITE	WASTE MANAGEMENT	VISUAL IMPACT MANAGEMENT	SITE SECURITY AND PROTECTION OF EMPLOYEES AND THE PUBLIC
ISSUE	- INCREASED WIND BORNE SEDIMENT LOADS DURING THE CONSTRUCTION PHASE.	- PUBLIC NOISE NUISANCE FROM CONSTRUCTION VEHICLES AND EQUIPMENT. - WORKER HEALTH AND SAFETY.	- VIBRATION DAMAGE TO NEIGHBOURING STRUCTURES. - NUISANCE.	- POTENTIAL FOR SPILLAGE OR LEAKAGE OF CHEMICAL AND PETROLEUM PRODUCTS AND REGULATED WASTES TO WATERS.	- POTENTIAL FOR SPILLAGE OR LEAKAGE OF CHEMICAL AND PETROLEUM PRODUCTS AND REGULATED WASTES TO WATERS.	- APPROPRIATE DISPOSAL OF ALL CONSTRUCTION SITE WASTE.	- LOSS OF VISUAL AMENITY DUE TO CONSTRUCTION, MACHINERY AND EQUIPMENT.	- UNAUTHORISED ACCESS TO THE SITE LEADING TO VANDALISM, THEFT OR PERSONAL INJURY.
OBJECTIVE	- TO REDUCE CONSTRUCTION IMPACTS ON AIR QUALITY AND TO HELP MINIMISE INCONVENIENCE TO NEIGHBOURING PROPERTIES.	- TO UNDERTAKE ALL REASONABLE AND PRACTICABLE MEASURES TO PREVENT OR MINIMISE NOISE NUISANCE TO NEIGHBOURING PROPERTIES.	- TO ENSURE GROUND VIBRATIONS DO NOT CAUSE DAMAGE TO ADJACENT BUILDINGS OR CAUSE ANNOYANCE TO NEARBY RESIDENTS.	- TO MINIMISE THE EFFECT OF ON-SITE MACHINERY MAINTENANCE. - TO UNDERTAKE ALL REASONABLE AND PRACTICAL MEASURES TO MINIMISE CONTAMINATION OF LAND AND WATERS.	- TO MINIMISE THE RISK OF HEALTH HAZARDS CAUSED BY THE STORAGE AND TRANSPORT OF DANGEROUS GOODS. - TO UNDERTAKE ALL REASONABLE AND PRACTICAL MEASURES TO MINIMISE CONTAMINATION OF LAND AND WATERS.	- TO TAKE ALL REASONABLE AND PRACTICABLE STEPS TO REDUCE AND RECYCLE WASTE DURING THE CONSTRUCTION PHASE AND TO DISPOSE OF IT IN AN APPROPRIATE MANNER.	- TO UNDERTAKE CONSTRUCTION USING ALL REASONABLE AND PRACTICABLE MEASURES TO MINIMISE IMPACT ON VISUAL AMENITY.	- TO LIMIT ACCESS TO THE CONSTRUCTION SITE FOR AUTHORISED PERSONNEL DURING WORK HOURS ONLY.
PERFORMANCE	- STANDARD CONSTRUCTION HOURS SHALL BE LIMITED TO 7:00AM TO 6:00PM MONDAYS TO SATURDAYS UNLESS OTHERWISE AUTHORISED BY COUNCIL. - NO WORKS TO BE CARRIED OUT ON A SUNDAY OR PUBLIC HOLIDAY. - DUST PLUMES CREATED FROM THE CONSTRUCTION SITE AND/OR HAULAGE OF MATERIALS ARE TO BE ELIMINATED. - NO COMPLAINTS FROM NEIGHBOURS.	- STANDARD CONSTRUCTION HOURS SHALL BE LIMITED TO 7:00AM TO 6:00PM MONDAYS TO SATURDAYS. - NO UNREASONABLE NOISE RELEASES. - IN ABSENCE OF QUANTITATIVE MONITORING DURING THE CONSTRUCTION PHASE, NOISE LEVELS ARE TO BE CONTROLLED TO ACCORD WITH ACCEPTED INDUSTRY AND REGULATORY REQUIREMENTS.	- STANDARD CONSTRUCTION HOURS SHALL BE LIMITED TO 7:00AM TO 6:00PM MONDAYS TO SATURDAYS. - VIBRATION IS TO COMPLY WITH THE PERFORMANCE REQUIREMENTS OUTLINED IN THE DEPARTMENT OF TRANSPORT AND MAIN ROADS TECHNICAL STANDARD MRTSS1, OR EQUIVALENT. - NO EXCESSIVE COMPLAINTS FROM NEIGHBOURING RESIDENCES. - NO UNREASONABLE VIBRATIONS.	- NO RELEASE ON CONTAMINANTS TO LAND OR WATER. - AVOID ANY ADVERSE EFFECTS ON THE CONSTRUCTION SITE DUE TO THE MAINTENANCE AND SERVICING OF MACHINERY.	- ALL DANGEROUS GOODS TO BE STORED, HANDLED AND BUNDED, ACCORDING TO AUSTRALIAN STANDARDS, INCLUDING AS2508, AS1678, AS1940 AND AS2931. - NO RELEASE OF CONTAMINANTS TO LAND AND WATER.	- ABSENCE OF WASTE AND LITTER ON THE CONSTRUCTION SITE, ACCESS ROAD AND BUFFERS. - NO COMPLAINTS.	- MINIMAL ADVERSE VISUAL IMPACT. - NO EXCESSIVE COMPLAINTS.	- NO UNAUTHORISED ACCESS TO THE CONSTRUCTION SITE.
CONTROL MEASURES	- PRIOR TO COMMENCEMENT OF CONSTRUCTION, NEIGHBOURING RESIDENTS AND EMERGENCY SERVICES SHALL BE NOTIFIED IN WRITING (BY LETTER DROP) OF THE CONSTRUCTION PERIOD, DESIGNATED WORKING HOURS AND CONTACTS REGARDING COMPLAINTS OF EXCESSIVE AIR QUALITY DETERIORATION. - VEGETATIVE GROUND COVERS ARE TO BE MAINTAINED WHERE POSSIBLE. - ACTIVITIES ARE TO ONLY BE CONDUCTED DURING SUITABLE WEATHER CONDITIONS. - A WATER TRUCK OR SPRAY APPARATUS IS TO BE PROVIDED ON SITE WHEN REQUIRED. - EXPOSED AREAS SUCH AS CLEARED AREAS AND STOCKPILES, ARE TO BE WATERED AND KEPT DAMP IN ORDER TO MINIMISE EROSION OR THE POTENTIAL FOR DUST CREATION. - VEHICLE SPEED IS TO BE LIMITED ON SITE TO MINIMISE DUST GENERATION. - TRUCKS ENTERING OR EXITING THE SITE SHALL HAVE THEIR LOADS COVERED. - ALL CONSTRUCTION VEHICLES EXITING SITE SHALL PASS THROUGH A WASH DOWN AND/OR DRIVE OVER A SHAKE DOWN GRID WHICH WILL BE LOCATED AT THE SITE ENTRY/EXIT. - HAULAGE ROUTES SHALL AVOID RESIDENTIAL AREAS AND USE SEALED ROADS WHERE POSSIBLE. - MACHINERY SHALL BE FITTED WITH DUST FILTERS. - ALL EQUIPMENT AND VEHICLES ARE TO MEET RELEVANT EMISSION STANDARDS. - MAINTENANCE OF WIND BREAKS AND BARRIERS WHERE POSSIBLE. - STOCKPILE HEIGHTS ARE TO BE KEPT TO MANAGEABLE HEIGHTS FOR DUST AND EROSION CONTROL PURPOSES. - PROTECTION OF LONG TERM SOIL STOCKPILES WITH REVEGETATION, WATERING/MOISTURE OR HYDROMULCHING WHERE PRACTICABLE. - REVEGETATE AS SOON AS POSSIBLE FOLLOWING CONSTRUCTION.	- PRIOR TO COMMENCEMENT OF CONSTRUCTION, NEIGHBOURING RESIDENTS AND EMERGENCY SERVICES SHALL BE NOTIFIED IN WRITING (BY LETTER DROP) OF THE CONSTRUCTION PERIOD, DESIGNATED WORKING HOURS AND CONTACTS REGARDING COMPLAINTS OF EXCESSIVE NOISE. ADJACENT RESIDENCES ARE TO BE ADVISED OF ANY WORKS TO BE CONDUCT OUT OF THE STANDARD CONSTRUCTION HOURS. - ALL CONSTRUCTION STAFF ARE TO HAVE ADEQUATE NOISE PROTECTION AS PER WORK PLACE HEALTH AND SAFETY. - ALL PLANT AND MACHINERY USED DURING CONSTRUCTION MUST BE FITTED WITH EXHAUST SILENCERS OR NOISE SUPPRESSION EQUIPMENT. MUST BE IN GOOD OPERATING CONDITION AND MEET EMISSION STANDARDS. - HAULAGE ROUTES SHALL AVOID RESIDENTIAL AREAS AND USE DEDICATED ROUTE ROADS WHERE POSSIBLE.	- PRIOR TO COMMENCEMENT OF CONSTRUCTION, NEIGHBOURING RESIDENTS AND EMERGENCY SERVICES SHALL BE NOTIFIED IN WRITING (BY LETTER DROP) OF THE CONSTRUCTION PERIOD, DESIGNATED WORKING HOURS AND CONTACTS REGARDING COMPLAINTS OF EXCESSIVE VIBRATION. - UNDERTAKE GEOTECHNICAL INVESTIGATION AS NECESSARY TO PREDICT VIBRATION EFFECTS OF CONSTRUCTION TECHNIQUES. - UNDERTAKE ACTIVITIES LIKELY TO CAUSE VIBRATION DURING NORMAL CONSTRUCTION HOURS.	- A BUNDED SERVICE AREA IS REQUIRED FOR MAINTENANCE AND SERVICING. - SIGNIFICANT VEHICLE MAINTENANCE SHALL BE CONDUCTED OFF-SITE AT APPROPRIATE FACILITIES. - LIGHT MAINTENANCE MAY BE UNDERTAKEN ON SITE, IN THE BUNDED SERVICE AREA. - THE CONTRACTOR IS TO PROVIDE SUITABLE ACCESS SURFACING FOR ALL WEATHER PURPOSES. - SAFE HANDLING TECHNIQUES AND REQUIRED REFUELLING. - WASTE OILS ARE TO BE COLLECTED AND TRANSPORTED TO RECYCLERS OR DESIGNATED DISPOSAL SITES. - SERVICING OF PLANT AND EQUIPMENT SHOULD BE UNDERTAKEN OUTSIDE OF NORMAL CONSTRUCTION HOURS.	- DANGEROUS GOODS SHALL BE STORED SEPARATELY IN BUNDED AREAS NOT ACCESSIBLE TO UNQUALIFIED PERSONS WITHOUT APPROPRIATE TRAINING IN ITS HANDLING AND FIRST AID PROCEDURES. - CHEMICAL DATA, HANDLING AND SAFETY SHEETS FOR ALL DANGEROUS GOODS WILL BE KEPT IN THE SITE OFFICE. - ONLY NECESSARY QUANTITIES OF CHEMICALS, FUEL AND OILS SHOULD BE KEPT ON THE CONSTRUCTION SITE AT ANY TIME. - EQUIPMENT IS TO BE AVAILABLE IN FUEL STORAGE AREAS AND IN VEHICLES TO CONTAIN AND CLEAN UP ANY SPILLS THAT MAY OCCUR. RELEASE ANY CLEAN STORMWATER ACCUMULATED IN TEMPORARY BUNDED AREAS.	- DESIGNATE A WASTE COLLECTION AREA ON-SITE THAT DOES NOT RECEIVE A SUBSTANTIAL AMOUNT OF RUNOFF FROM UPLAND AREAS AND DOES NOT DRAIN DIRECTLY TO WATER BODY. - ENSURE REGULAR COLLECTION OF ON-SITE WASTE. - WASTE COLLECTION BINS ARE TO BE CLEARLY MARKED "CONVENTIONAL WASTE", "RECYCLABLE" AND "REGULATED WASTE". ENSURE THAT ALL CONTAINERS ARE FITTED WITH LIDS. - REGULATED WASTES SHALL BE SEALED IN AN AIRTIGHT CONTAINER AND COLLECTED BY AN APPROPRIATE LICENSED CONTRACTOR TO RECEIVE SUCH WASTE. - SCHEDULED WASTE COLLECTION IS REQUIRED TO PREVENT THE CONTAINERS FROM OVERFLOWING.	- RUBBISH AND WASTE TO BE COLLECTED FROM SITE. - SURPLUS CONSTRUCTION MATERIAL TO BE PROMPTLY REMOVED FROM CONSTRUCTION SITE. - VEGETATION DISTURBANCE TO BE MINIMISED.	- ALL ACCESS TO THE SITE IS TO BE VIA THE NOMINATED POINT ON PLAN. - BARRICADES AND SAFETY FENCING SHALL BE ERECTED AROUND THE SITE AND ADJACENT TO PUBLIC ACCESS WAYS. THE SITE ACCESS IS TO BE GATED. - GENERALLY, CONSTRUCTION ACTIVITIES ARE TO BE FENCED/HOARDED FROM ADJACENT PROPERTIES. - THE CONSTRUCTION SITE COMPOUND IS TO BE LOCKED AT ALL TIMES OUTSIDE OF WORK HOURS. - THE SITE SHALL BE APPROPRIATELY MAINTAINED TO PROVIDE A SAFE WORK ENVIRONMENT FOR ALL PERSONNEL, VISITORS AND THE GENERAL PUBLIC. APPROPRIATE WARNING SIGNS SHALL BE ERECTED FOR THE WORK FORCE AND THE GENERAL PUBLIC TO HIGHLIGHT HAZARDOUS ACTIVITIES WITHIN AND AROUND THE SITE. - STRICT HOUSEKEEPING SHALL APPLY TO ALL ENTRIES USED FOR SITE ACCESS OR EGRESS, INCLUDING ENTRY TO SITE SHEDS AND EMPLOYEES FACILITIES.
RESPONSIBILITY	- THE CONTRACTOR HOLDS RESPONSIBILITY FOR THE SITE. - THE CONTRACTOR IS RESPONSIBLE FOR PUBLIC NOTIFICATION VIA A LETTER DROP.	- THE CONTRACTOR IS RESPONSIBLE FOR THE SITE. - THE CONTRACTOR IS RESPONSIBLE FOR PUBLIC NOTIFICATION VIA A LETTER DROP.	- THE CONTRACTOR IS RESPONSIBLE FOR THE SITE. - THE CONTRACTOR IS RESPONSIBLE FOR PUBLIC NOTIFICATION VIA A LETTER DROP.	- THE CONTRACTOR HOLDS RESPONSIBILITY FOR THE SITE.	- THE CONTRACTOR HOLDS RESPONSIBILITY FOR THE SITE.	- THE CONTRACTOR HOLDS RESPONSIBILITY FOR THE SITE.	- THE CONTRACTOR HOLDS RESPONSIBILITY FOR THE SITE.	- THE CONTRACTOR HOLDS RESPONSIBILITY FOR THE SITE. - THE CONTRACTOR IS RESPONSIBLE FOR FENCING/HOARDING TO THE ADJACENT PROPERTIES.
MONITORING	- THE CONTRACTOR SHALL CONDUCT DAILY VISUAL INSPECTIONS OF THE SITE FOR DUST PLUMES. - A COMPLAINT REGISTER IS TO BE MAINTAINED.	- A COMPLAINT REGISTER TO BE MAINTAINED. - ALL GENUINE NOISE COMPLAINTS SHALL BE ASSESSED TO DETERMINE IF THE NOISE IS UNREASONABLE. SUCH INVESTIGATIONS MAY REQUIRE NOISE MONITORING TO DETERMINE IF A PROBLEM OR BREACH EXISTS.	- THE CONTRACTOR IS RESPONSIBLE FOR FREQUENT INSPECTIONS OF THE SITE DURING IMPACT WORKS.	- THE CONTRACTOR IS RESPONSIBLE FOR DAILY VISUAL INSPECTIONS OF THE SITE.	- THE CONTRACTOR IS RESPONSIBLE FOR DAILY VISUAL INSPECTIONS OF THE SITE. - REGULAR INSPECTION WILL BE UNDERTAKEN AT ALL TEMPORARY CHEMICAL AND PETROLEUM PRODUCT STORAGE AREAS FOR LEAKAGE'S.	- THE CONTRACTOR IS RESPONSIBLE FOR DAILY VISUAL INSPECTIONS OF THE SITE.	- REGULAR INSPECTIONS FOR UNREASONABLE VISUAL IMPACTS. - A COMPLAINT REGISTER IS TO BE MAINTAINED.	- DAILY VISUAL INSPECTIONS OF THE SITE WILL BE UNDERTAKEN FOR ADEQUACY OF SITE SECURITY.
CORRECTIVE ACTIONS	- CORRECTIVE ACTIONS WILL INCLUDE A REVIEW OF EXISTING CONTROL MEASURES FOR INADEQUACIES. - SHOULD COMPLAINTS ARISE, THE CONTRACTOR SHALL ENSURE MEASURES ARE TAKEN TO MODIFY THE OFFENDING EQUIPMENT OR MODIFY CONSTRUCTION PRACTICES TO REDUCE DUST LEVELS WITHIN RELEVANT GUIDELINES.	- UNREASONABLE NOISE CAUSED BY MACHINERY IS TO BE REMEDIED BY APPROPRIATE REPAIRS AND A MAINTENANCE SCHEDULE REVIEW. - THE RELEVANT ACTIVITY MAY REQUIRE MODIFICATION OR RELOCATION. - SPECIFIC MACHINERY MAY REQUIRE AN ALTERATION TO ITS HOURS OF OPERATION. - CORRECTIVE ACTIONS WILL INCLUDE A REVIEW OF EXISTING CONTROL MEASURES FOR INADEQUACIES. - IN THE EVENT THAT A NON-CONFORMANCE HAS OCCURRED AS A RESULT OF POOR WORK PRACTICES, PERSONNEL ON SITE WILL BE MADE AWARE OF THE PROBLEM AND INFORMED OF ACCEPTABLE WORK PRACTICES.	- SHOULD COMPLAINTS ARISE, MEASURES SHALL BE TAKEN BY THE CONTRACTOR TO MODIFY THE OFFENDING EQUIPMENT OR MODIFY CONSTRUCTION PRACTICES TO ENSURE VIBRATIONS ARE WITHIN RELEVANT GUIDELINES.	- THE CONTRACTOR SHALL ENSURE ON-SITE MACHINERY IS STORED WITHIN THE SECURE DESIGNATED COMPOUND AFTER WORKING HOURS. - THE CONTRACTOR SHALL ENSURE ANY UNAUTHORISED MAINTENANCE IS CEASED IMMEDIATELY AND MOVED OFF-SITE. - THE CONTRACTOR SHALL ENSURE ANY AREA DAMAGED BY HYDROCARBONS OR HAZARDOUS CHEMICALS IS FENCED, EXCAVATED AND REMOVED FROM SITE TO A DESIGNATED DUMPING AREA AND THE AREA RE-ESTABLISHED.	- IF DAMAGED GOODS ARE SPILT, THE CONTRACTOR SHALL ENSURE THAT THE AREA IS ISOLATED AND MINIMISED. - PETROLEUM OR CHEMICAL SPILLAGE'S ARE TO BE IMMEDIATELY CLEANED UP WITH ABSORBENT MATERIAL. - ABSORBENT MATERIALS USED FOR CLEAN UP OR WASTE DANGEROUS GOODS ARE TO BE PLACED AND SEALED IN AN APPROPRIATE CONTAINER MARKED "REGULATED WASTE" AND CONSIGNED TO A WASTE CONTRACTOR LICENSED TO RECEIVE SUCH WASTE FOR DISPOSAL AT AN APPROPRIATE FACILITY. - THE DAMAGED AREA IS TO BE RE-ESTABLISHED.	- PROMPT DELEGATION OF CLEAN UP WORKS. - INCREASED VIGILANCE.	- VISUAL OFFENSIVE COMPONENTS OF CONSTRUCTION SHOULD BE IDENTIFIED AND IF POSSIBLE MODIFIED IN CONSULTATION WITH COMPLAINT.	- INSTALLATION OF INCREASED SECURITY MEASURES REQUIRED.
REPORTING	- WEEKLY REPORTING BY THE PRINCIPAL CONTRACTOR TO THE CONSULTANT COVERING THE EFFECTIVENESS OF THE MANAGEMENT SYSTEM AND NOTING ANY CORRECTIVE ACTIONS TAKEN.	- WEEKLY REPORTING BY THE PRINCIPAL CONTRACTOR TO THE CONSULTANT COVERING THE EFFECTIVENESS OF THE MANAGEMENT SYSTEM AND NOTING ANY CORRECTIVE ACTIONS TAKEN.	- WEEKLY REPORTING BY THE PRINCIPAL CONTRACTOR TO THE CONSULTANT COVERING THE EFFECTIVENESS OF THE MANAGEMENT SYSTEM AND NOTING ANY CORRECTIVE ACTIONS TAKEN.	- WEEKLY REPORTING BY THE PRINCIPAL CONTRACTOR TO THE CONSULTANT COVERING THE EFFECTIVENESS OF THE MANAGEMENT SYSTEM AND NOTING ANY CORRECTIVE ACTIONS TAKEN.	- WEEKLY REPORTING BY THE PRINCIPAL CONTRACTOR TO THE CONSULTANT COVERING THE EFFECTIVENESS OF THE MANAGEMENT SYSTEM AND NOTING ANY CORRECTIVE ACTIONS TAKEN.	- WEEKLY REPORTING BY THE PRINCIPAL CONTRACTOR TO THE CONSULTANT COVERING THE EFFECTIVENESS OF THE MANAGEMENT SYSTEM AND NOTING ANY CORRECTIVE ACTIONS TAKEN.	- WEEKLY REPORTING BY THE PRINCIPAL CONTRACTOR TO THE CONSULTANT COVERING THE EFFECTIVENESS OF THE MANAGEMENT SYSTEM AND NOTING ANY CORRECTIVE ACTIONS TAKEN.	- WEEKLY REPORTING BY THE PRINCIPAL CONTRACTOR TO THE CONSULTANT COVERING THE EFFECTIVENESS OF THE MANAGEMENT SYSTEM AND NOTING ANY CORRECTIVE ACTIONS TAKEN.

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2024/1543

Date: 24 December 2025



REVISIONS	ISSUE DATE	SCALE:	PRELIMINARY	TITLE: CONSTRUCTION MANAGEMENT PLAN	A3
E			APPROVED:	PROJECT: WEINAM CREEK PRIORITY DEVELOPMENT AREA - COAST GUARD	No. 11 of 13 DRAWINGS
D				WEINAM CREEK REDLAND BAY	Job No. FC-22-014-CG DWG No. C-9701
C				FOR REDLAND INVESTMENT CORPORATION	
B					
A					
O ORIGINAL ISSUE	21/05/2024	DO NOT SCALE FROM PLAN	RPEQ: APPROVED DATE:		

NTS



REDLAND INVESTMENT CORPORATION

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O A B C D E

EROSION AND SEDIMENT CONTROL PROGRAM:

1.

THIS PROGRAM AND AND ASSOCIATED PLANS SHALL BE READ IN CONJUNCTION WITH THE SITE MANAGEMENT SPECIFICATION INCORPORATED IN THE CONTRACT DOCUMENTS. THE PROVISIONS OF THE SPECIFICATION ARE TO BE STRICTLY ADHERED TO.
2.

PRIOR TO THE COMMENCEMENT OF THE CONSTRUCTION, THE CONTRACTOR IS TO PROVIDE A DETAILED PROGRAM TO THE SUPERINTENDENT SHOWING THE TIMING FOR ALL WORKS ASSOCIATED WITH THE PROJECT. NOMINATING, IN PARTICULAR, THE PROGRAM FOR INSTALLATION OF SOIL AND EROSION CONTROL SYSTEMS.
3.

EARTHWORKS SHALL BE CARRIED OUT IN SUCH A MANNER THAT THE SITE IS MAINTAINED IN A WELL DRAINED CONDITION, AREAS OF LOOSE SOIL ARE MINIMISED AND CONCENTRATIONS OF STORMWATER ARE MINIMISED
4.

THE BASIC OBJECTIVES OF THE EROSION AND SEDIMENT CONTROL ARE:

- IDENTIFY CRITICAL AREAS AND PROVIDE SPECIAL ATTENTION TO THOSE AREAS;

- PLAN SITE LAYOUT SO THAT ACCESS TO ALL REQUIRED DRAINAGE EROSION AND SEDIMENT CONTROL MEASURES IS MAINTAINED;

- LIMIT EXPOSURE TIME BY PROGRAMMING TO MINIMISE THE AREA OF LAND EXPOSED TO POTENTIALLY ADVERSE WEATHER CONDITIONS AT ANY ONE TIME;

- PROVIDE CONTROL MEASURES INCLUDING TEMPORARY AND PERMANENT DRAINAGE, EROSION AND SEDIMENT CONTROLS
5.

THE EROSION AND SEDIMENT CONTROL SHALL COMPLY WITH LOCAL AUTHORITY EROSION AND SEDIMENT CONTROL STANDARDS, THE SOIL EROSION AND SEDIMENT CONTROL - ENGINEERING GUIDELINES FOR QUEENSLAND (CURRENT EDITION), AND ALL OTHER LOCAL AUTHORITY EROSION AND SEDIMENT CONTROL GUIDELINES.
6.

ALL ESC MEASURES SHALL BE INSPECTED:

- AT LEAST DAILY (WHEN WORK IS OCCURRING ON SITE);

- WITHIN 24 HOURS OF EXPECTED RAIN, AND

- WITHIN 18 HOURS OF RAINFALL EVENT (I.E. AN EVENT OF SUFFICIENT INTENSITY AND DURATION TO MOBILISE SEDIMENT ON SITE.)

Maintenance of ESC measures shall occur in accordance with the following table:

ESC MEASURES	MAINTENANCE TRIGGER	TIME FRAME FOR COMPLETION OF MAINTENANCE
SEDIMENT BASINS	WHEN SETTLED SEDIMENT EXCEEDS THE VOLUME OF THE SEDIMENT STORAGE ZONE (SEE COUNCIL'S SEDIMENT BASIN DESIGN GUIDELINES)	WITHIN 7 DAYS OF THE INSPECTION
OTHER ESC MEASURES	THE CAPACITY OF ESC MEASURES FALLS BELOW 75%	BY THE END OF THE DAY

7.

WATER QUALITY SAMPLES MUST BE TAKEN AND ANALYSED PRIOR TO THE RELEASE OF ANY WATER FROM THE SITE. WATER QUALITY MUST SATISFY THE FOLLOWING CRITERIA; TSS<50 mg/L, pH BETWEEN 6.5 AND 8.5. IF WATER QUALITY FAILS THE CRITERIA THEN USE OF A GYPSUM FLOCCULENT IS TO BE APPLIED AS DIRECTED BY THE SUPERINTENDENT.

8.

ALL WATER QUALITY DATA INCLUDING DATES OF RAINFALL, TESTING AND WATER RELEASE MUST BE MAINTAINED IN ONSITE REGISTER. THIS REGISTER IS TO BE MAINTAINED FOR THE DURATION OF THE APPROVED WORKS AND BE AVAILABLE ON SITE FOR INSPECTIONS BY COUNCIL OFFICERS ON REQUEST.

9.

CONSTRUCTION ACCESS SHALL BE AT POINTS NOMINATED ON THE EROSION AND SEDIMENT CONTROL PLAN. A SHAKE FACILITY, INCLUDING VIBRATION GRID AND ROCK PAD, SHALL BE LOCATED AT ALL ENTRY/EXIT LOCATIONS. FOR DETAILS FOR SHAKEDOWN FACILITY REFER I.P.W.E.A.Q. STANDARD DRAWINGS DSD-301.

10.

SUPPLEMENTARY EROSION AND SEDIMENT CONTROL DEVICES MAY BE REQUIRED AT THE DISCRETION OF THE SUPERINTENDENT AND/OR COUNCIL.

11.

SEDIMENT CONTROL DEVICES SHALL BE PROVIDED AND MAINTAINED WHERE SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN. ALL SEDIMENT CONTROL DEVICES SHALL REMAIN IN PLACE AS DIRECTED BY THE SUPERINTENDENT.

12.

EXCAVATED MATERIAL WILL BE PLACED DIRECTLY INTO FILL AREAS IN ACCORDANCE WITH THE APPROVED SPECIFICATION.

13.

ANY IMPORTED FILL MATERIAL SHALL COMPLY WITH THE REQUIREMENTS OF THE SPECIFICATION.

14.

ALL TEMPORARY EROSION AND SEDIMENT CONTROL (ESC) MEASURES TO BE MAINTAINED AND FULLY OPERATIONAL DURING THE MAINTENANCE PERIOD AND ARE TO BE REMOVED AFTER THE SATISFACTORY COMPLETION OF AN "OFF-MAINTENANCE" INSPECTION BY COUNCIL AND PRIOR TO FORMAL ACCEPTANCE "OFF-MAINTENANCE" BY COUNCIL

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

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Date: 24 December 2025



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EROSION AND SEDIMENT CONTROL NOTES:

1.

STRIP AND STOCKPILE AVAILABLE TOPSOIL (ASSUMED AVERAGE DEPTH 75mm) FROM ALL DISTURBED AREAS PRIOR TO BULK EARTHWORKS. STOCKPILES ARE TO BE STABILISED TO MINIMISE THE POTENTIAL FOR DUST AND EROSION.
2.

SEDIMENT FENCES TO BE PROVIDED AS REQUIRED AND EXCESSIVE SEDIMENT DEPOSITS SHOULD BE REMOVED. FOR DETAILS OF SEDIMENT FENCE REFER I.P.W.E.A.Q. STANDARD DRAWING DSD-301.
3.

DAILY CHECKS OF SILT FENCES AND SEDIMENT TRAPS IS TO BE MADE ALONG WITH A CHECK AFTER ANY SIGNIFICANT STORM EVENT TO ENSURE INTEGRITY AND PERFORMANCE.

TURFING / SEEDING / HYDROMULCHING

1.

ALL PATHWAYS, BATTERS AND EARTHWORKS AFFECTED ALLOTMENTS ARE TO BE TOPSOILED TO A MINIMUM DEPTH OF 100mm (LIGHTLY COMPACTED) AND REVEGETATED AS SPECIFIED.
2.

PROVIDE A 0.8m MINIMUM TURF STRIP BEHIND ALL KERB AND PATHWAYS WITH A PERPENDICULAR STRIP AT 10m INTERVALS TO PREVENT SCOURING ALONG THE TURF EDGE. ALL AREAS NOT COVERED BY TURF ARE TO BE GRASS SEEDED OR HYDROMULCHED AS SHOWN ON THE DRAWINGS.
3.

ALL DISTURBED AREAS ARE TO BE TOPSOILED AND REVEGETATED AS SOON AS PRACTICAL.
4.

SEEDED, HYDROSEEDED AND HYDROMULCHED TREATED AREAS SHALL ACHIEVE A MINIMUM OF 80% OF EACH AND EVERY SQUARE METRE OF TREATED AREA GRASS SHOOTS 15mm HIGH AT A DENSITY OF NOT GREATER THAN 70mm APART.
5.

TURF SHALL BE MAINTAINED TO ENSURE TREATED AREAS ARE ROOTED INTO THE TOPSOIL SUCH THAT IT CANNOT BE LIFTED BY HAND.
6.

THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL TREATED AREAS ARE SUFFICIENTLY WATERED TO PROMOTE AND MAINTAIN GROWTH FOR THE DURATION OF THE DEFECT LIABILITY PERIOD (12 MONTHS).

'A' DURING CONSTRUCTION

1.

TOPSOIL STOCKPILES TO HAVE A SEDIMENT FENCE DOWN SLOPE AND A DIVERSION DRAIN UP SLOPE.
2.

SEDIMENT FENCES TO BE PLACED AS SHOWN.
3.

INSPECT BANKS DAILY AND REPAIR ANY SLUMPS, WHEELS TRACK DAMAGE OR LOSS OF FREEBOARD.
4.

REMOVE SEDIMENT TO AVOID PONDING FROM CATCH DRAINS.
5.

REMOVE EXCESSIVE SEDIMENT FROM UPSTREAM OF CHECK DAMS.
6.

ROAD RESERVE TO BE USED AS HAUL ROAD.
7.

A CATCH DRAIN/CATCH BANK IS TO BE PROVIDED ON THE TOP SIDE OF ALL CUTS AND DISCHARGE WITHER TO UNDISTURBED GRASS LANDS OR TO THE CROSS ROAD DRAINAGE.
8.

SUPPLEMENTARY EROSION AND SEDIMENT CONTROL DEVICES MAY BE REQUIRED AT THE DISCRETION OF THE ENGINEER.
9.

GRASS SEEDING IS TO ACHIEVE 70% COVER WITHIN 30 DAYS OF COMPLETION OF EARTHWORKS.

'B' DURING CONSTRUCTION

1.

SEDIMENTATION AND EROSION CONTROLS ARE TO BE MAINTAINED AS DIRECTED BY THE SUPERINTENDENT.

HOLD POINT

1.

WORK TO ROADS, DRAINAGE, SEWER, WATER OR EARTHWORKS MUST NOT PROCEED UNTIL ADEQUATE SEDIMENT CONTROL IS IN PLACE TO THE SATISFACTION OF THE SUPERINTENDENT.

ORDER OF CONSTRUCTION:

1.

CONSTRUCT TEMPORARY SHAKE DOWN FACILITIES INCLUDING VIBRATION GRID AND ROCK PAD PRIOR TO BULK EARTHWORK ACTIVITIES.
2.

SITE BARRIER/NO-GO FENCING ENVIRONMENTAL & SILT CONTROLS TO BE ESTABLISHED.
3.

SEDIMENT FENCES, TRAPS (INLET PROTECTION) TO BE INSTALLED.
4.

SITE TO BE SHAPED TO DESIGN BULK EARTHWORKS LEVELS AND SURFACE STABILISED A.S.A.P. BY MEANS OF 'DUSTEX' OR APPROVED EQUIVALENT .

WARNING

THE LOCATION OF EXISTING SERVICES ARE SHOWN INDICATIVELY ON DRAWINGS. PRIOR TO AND DURING CONSTRUCTION OBTAIN PRECISE LOCATION OF ALL SERVICES (UNDERGROUND/OVERHEAD) FROM RELEVANT AUTHORITY RESPONSIBLE FOR SERVICE.

TITLE: EROSION & SEDIMENT CONTROL NOTES

A3

PROJECT: WEINAM CREEK PRIORITY DEVELOPMENT AREA - COAST GUARD WEINAM CREEK REDLAND BAY FOR REDLAND INVESTMENT CORPORATION

No. 12 of 13 DRAWINGS									
Job No.					DWG No.				
FC-22-014-CG					C-0702				
O	A	B	C	D	E				

LEGEND

EXISTING KERB AND CHANNEL

EXISTING LOT BOUNDARY

EXISTING DRAINAGE LINE

EXISTING DRAINAGE STRUCTURES

EXISTING PAVEMENT SURFACING

EXISTING CONCRETE

PROPOSED DRAINAGE LINE

PROPOSED DRAINAGE STRUCTURE

PROPOSED CONCRETE FOOTPATH

PROPOSED BOTTOM OF BATTER

PROPOSED TOP OF BATTER

PROPOSED MAJOR CONTOURS

PROPOSED MINOR CONTOURS

PROPOSED SEDIMENT FENCE

TEMPORARY SEDIMENT CONTROL FIELD INLET

PROPOSED CONCRETE

PROPOSED AREA OF HYDROMULCH (51.3m²)

EROSION & SEDIMENT CONTROL NOTES

1. THIS DRAWING INCLUDES AN ESTIMATION OF THE TEMPORARY EROSION AND SEDIMENT CONTROL. THE CONTRACTOR WILL NEED TO PUT IN PLACE. THE CONTRACTOR IS TO LIAISE WITH THE SUPERINTENDENT TO DETERMINE THE FINAL CONFIGURATION OF THE CONTROLS. THIS EMP IS A LIVING DOCUMENT AND IS REQUIRED TO BE UPDATED APPROPRIATELY AS CONSTRUCTION WORKS PROCEED.

2. APPROPRIATE EROSION & SEDIMENT CONTROL DEVICES TO BE ADVISED BY SUPERINTENDENT FOR DURATION OF WORKS.

3. REFER IPWEAQ STD. DWG. NO. DSD-301 & DSD-302 FOR DETAILS OF THE PROPOSED E&SC STRUCTURES.

4. ALL DISTURBED AREAS TO BE TOPSOILED AND HYDROMULCHED U.N.O.

CONTOUR NOTE:

CONTOURS SHOWN DEPICT DESIGN SURFACE AND ARE AT 0.05m INTERVALS.

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2024/1543

Date: 24 December 2025

NOTWITHSTANDING THAT EXISTING SERVICES MAY OR MAY NOT BE SHOWN ON THESE DRAWINGS. NO RESPONSIBILITY IS TAKEN BY ESQ FOR THIS INFORMATION, WHICH HAS BEEN SUPPLIED BY OTHERS. EXISTING SERVICES ARE PROVIDED FOR INFORMATION ONLY. NO CONSTRUCTION WORK SHALL BE UNDERTAKEN UNTIL SERVICE LOCATIONS HAVE BEEN CONFIRMED ON SITE WITH THE RELEVANT AUTHORITY.

REVISIONS	ISSUE DATE	SCALE:
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TITLE: EROSION & SEDIMENT CONTROL PLAN

PROJECT: WEINAM CREEK PRIORITY DEVELOPMENT AREA - COAST GUARD WEINAM CREEK REDLAND BAY FOR REDLAND INVESTMENT CORPORATION

No. 13 of 13 DRAWINGS

Job No. FC-22-014-CG

DWG No. C-0703

A3

O A B C D E