

WEINAM CREEK PRIORITY DEVELOPMENT AREA

TEMPORARY CARPARK WEINAM CREEK REDLAND BAY

FOR REDLAND INVESTMENT CORPORATION

DRAWING INDEX

0001	LOCALITY PLAN & DRAWING INDEX
0002	EXISTING FEATURES AND KEY PLAN
0003	CONTROL LINE SETOUT TABLES
0004	TYPICAL SECTIONS DETAILS & STANDARD NOTES
0100	BULK EARTHWORKS - SHEET 1
0101	BULK EARTHWORKS - SHEET 2
0200	DESIGN DETAIL - SHEET 1
0201	DESIGN DETAIL - SHEET 2
0300	SIGNAGE & LINEMARKING PLAN - SHEET 1
0301	SIGNAGE & LINEMARKING PLAN - SHEET 2
0400	C.M.P. INDEX & STANDARD NOTES
0401	CONSTRUCTION MANAGEMENT PLAN
0402	EROSION & SEDIMENT CONTROL STANDARD NOTES
0403	EROSION & SEDIMENT CONTROL PLAN - SHEET 1
0404	EROSION & SEDIMENT CONTROL PLAN - SHEET 2

STANDARD DRAWINGS - REDLAND CITY COUNCIL

R-RCC-6	PUBLIC UTILITIES IN ROAD RESERVE - CORRIDORS AND ALIGNMENTS
R-RCC-7	PUBLIC UTILITIES IN ROAD RESERVE - CONDUIT SECTIONS

STANDARD DRAWINGS - IPWEAQ

DS-040	SEDIMENT CONTROL DEVICES SEDIMENT FENCE, ENTRY/EXIT SEDIMENT TRAP
DS-041	SEDIMENT CONTROL DEVICES KERB AND FIELD INLETS - CHECK DAMS & STRAW BALES

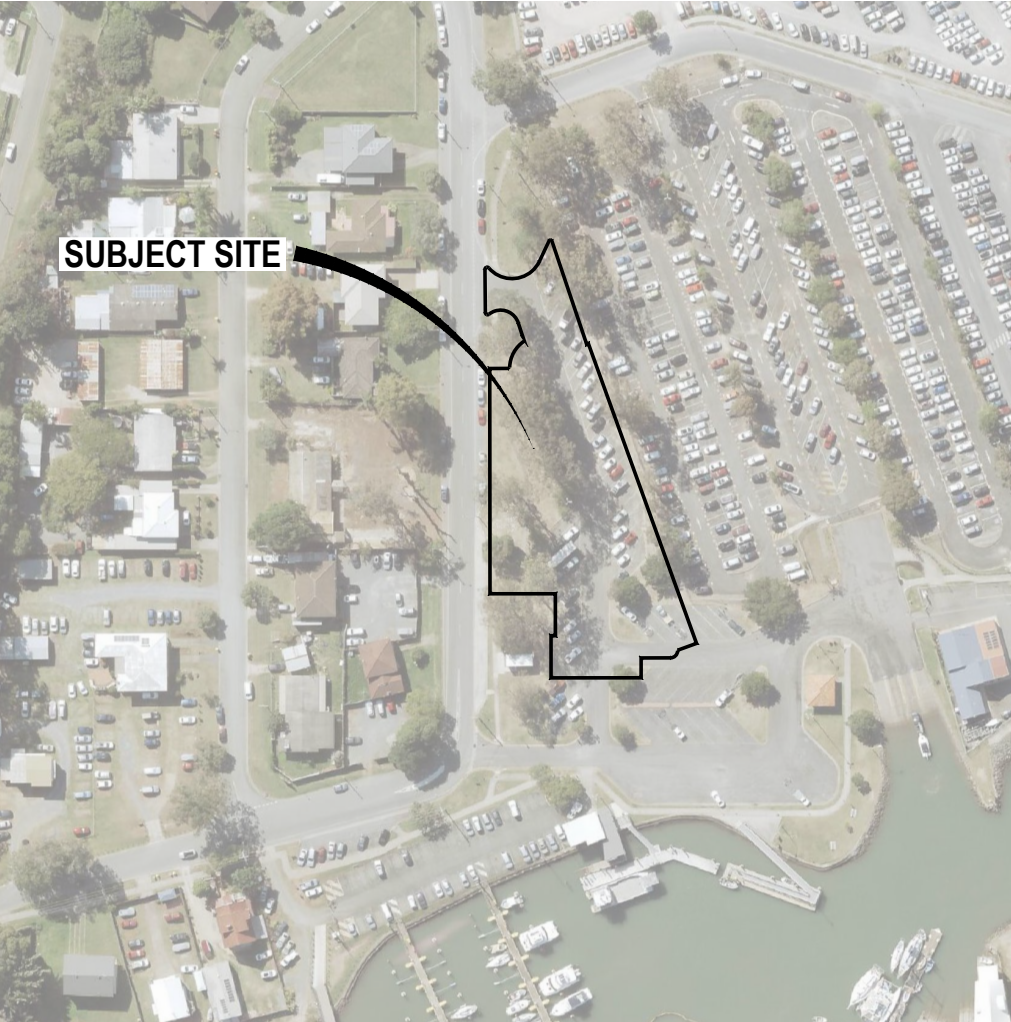


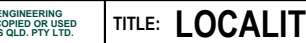
IMAGE SOURCE: GOOGLE MAPS

LOCALITY PLAN

SCALE: NTS

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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E			NTS					PROJECT:		No. 1 of 16 DRAWINGS								
D								WEINAM CREEK PRIORITY DEVELOPMENT AREA		Job No.		DWG No.						
C								TEMPORARY CARPARK WEINAM CREEK REDLAND BAY		FC-22-014-TQ		C-0001						
B								FOR REDLAND INVESTMENT CORPORATION										
A	REVISED CARPARK LAYOUT	18/08/2023																
0	ISSUE FOR APPROVAL	13/04/2023	DO NOT SCALE FROM PLAN															
								0	A	B	C	D	E					

LEGEND

PROPOSED KERB BACK

EXISTING LOT BOUNDARY

1:250 LAYOUTS

D

OR

OR

EXISTING DRAINAGE LINE

EXISTING DRAINAGE STURCTURE

EXISTING KERB AND CHANNEL

EXISTING CONTOURS

EXISTING CONCRETE EDGE LINE

EXISTING BUILDING TO REMOVE

EXISTING BOTTOM OF BATTER

EXISTING TOP OF BATTER

EXISTING FENCE

EXISTING EDGE OF BITUMEN

LP

PP

EXISTING LIGHTPOLE AND POWERPOLE

SV

EXISTING STOP/SLUICE VALVE

EXISTING ELECTRICAL PIT

EXISTING PAVEMENT SURFACING

OR

EXISTING VEGETATION (TREE) TO BE REMOVED

DEMOLISH AREA

SURVEY STATION SETOUT TABLE

STN ID	EASTING	NORTHING	LEVEL
STN 1	30533.833	143854.933	1.780
STN 2	30521.008	143802.101	2.181

DIAL BEFORE YOU DIG

PHONE 1100

www.1100.com.au

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CONTOUR NOTE:

1. CONTOURS SHOWN DEPICT EXISTING SURFACE AND ARE AT 0.10m INTERVALS.

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TITLE: EXISTING FEATURES AND KEY PLAN

PROJECT: WEINAM CREEK PRIORITY DEVELOPMENT AREA
TEMPORARY CARPARK WEINAM CREEK REDLAND BAY
FOR REDLAND INVESTMENT CORPORATION

No. 2 of 16 DRAWINGS

Job No. FC-22-014-TC

DWG No. C-0002

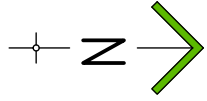
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A3

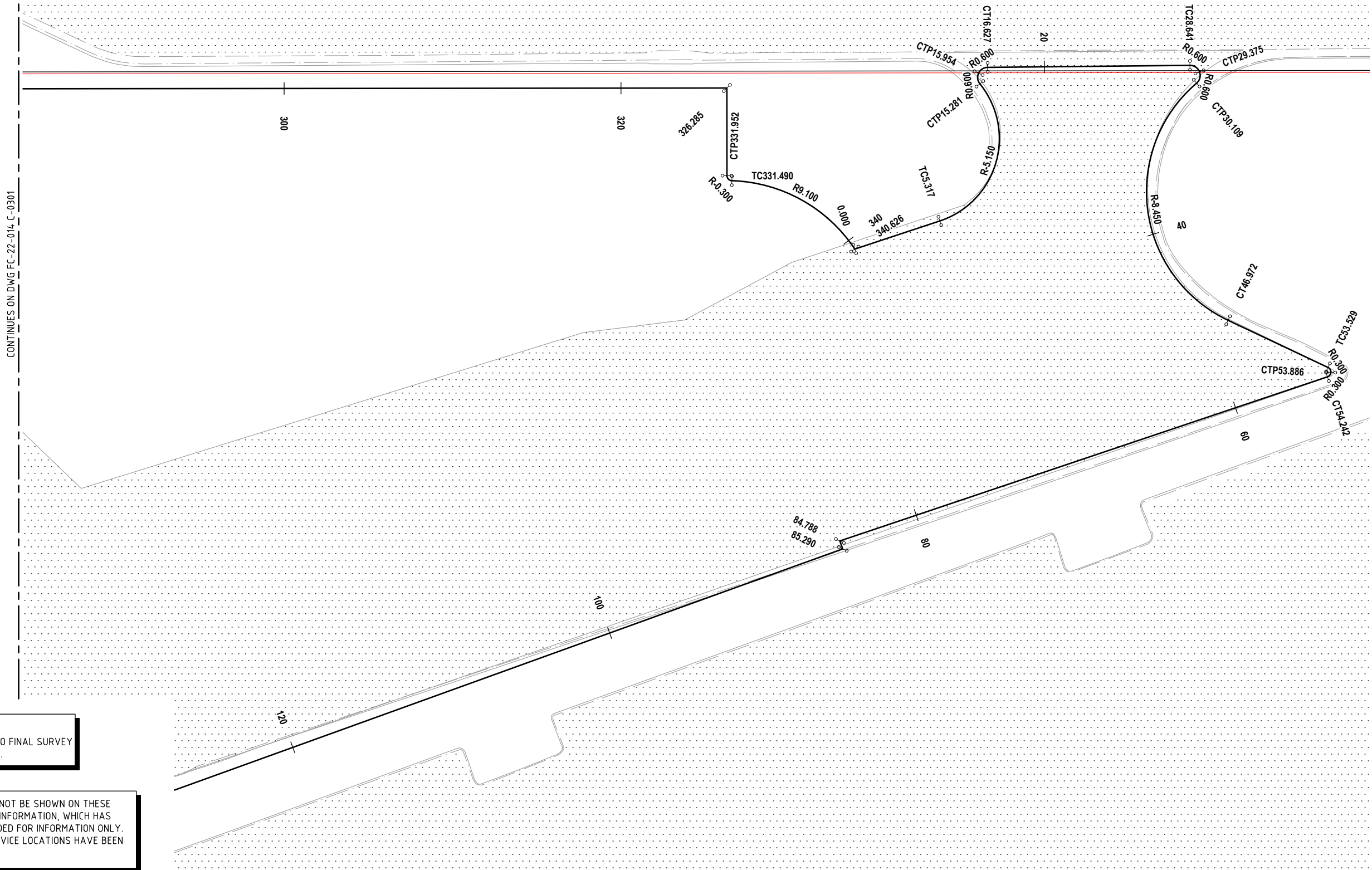
PLOT DATE :- 18 August 2023 10:14 AM

LEGEND

- EXISTING LOT BOUNDARY
EXISTING KERB AND CHANNEL
EXISTING PAVEMENT SURFACING
EXISTING BUILDING



BANANA STREET



NOTES:

1. ALL BOUNDARIES SHOWN ON THIS PLAN ARE SUBJECT TO FINAL SURVEY
2. FOR CONTROL LINE SETOUT TABLES REFER DWG C-0005..

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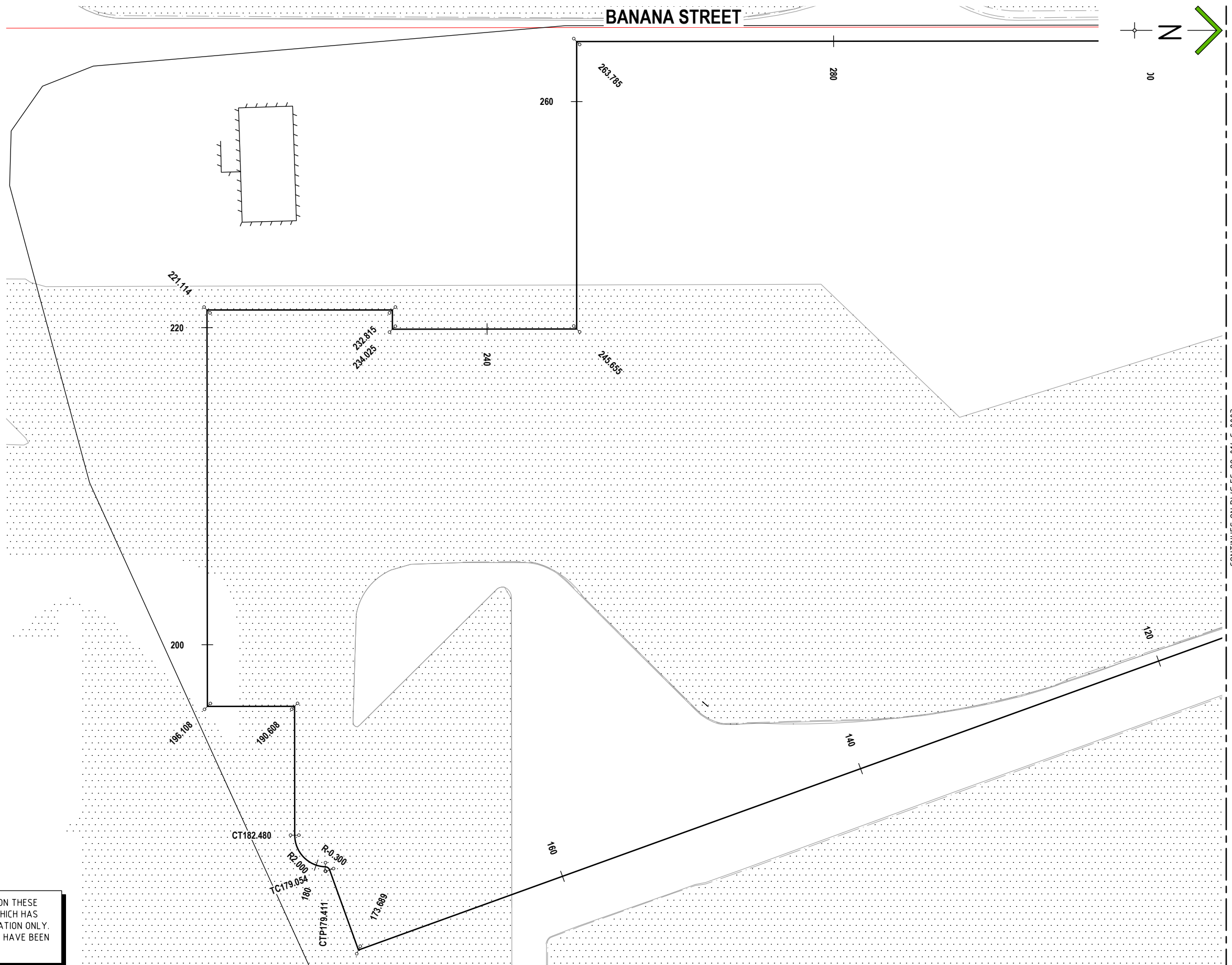


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TITLE: CONTROL LINE- SHEET 1	A3
PROJECT: WEINAM CREEK PRIORITY DEVELOPMENT AREA TEMPORARY CARPARK WEINAM CREEK REDLAND BAY FOR REDLAND INVESTMENT CORPORATION	No. 3 of 16 DRAWINGS Job No. FC-22-014-TC DWG No. C-0003
	0 A B C D E



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NOTES:

1. FOR LEGEND AND NOTES, REFER TO 0003.

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B		
A	REVISED CARPARK LAYOUT	18/08/2023
0	ISSUE FOR APPROVAL	13/04/2023

ISSUE DATE

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TITLE: **CONTROL LINE- SHEET 2**

PROJECT:

**WEINAM CREEK PRIORITY DEVELOPMENT AREA
TEMPORARY CARPARK WEINAM CREEK REDLAND BAY
FOR REDLAND INVESTMENT CORPORATION**

No. 4 of 16 DRAWINGS

Job No.	DWG No.
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FC-22-014-TC C-0004

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(MC10) CONTROL LINE SETOUT TABLE								
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	30544.872	143874.409	2.245	341°43'01.16"			
	5.000	30543.303	143879.157	2.185	341°43'01.16"			
TC	5.317	30543.204	143879.458	2.180	341°43'01.16"			
	10.000	30540.043	143882.693	1.990	289°37'01.13"			
IP 2	10.299	30540.860	143886.553	1.976		R = -5.150	9.964	110°50'55.55"
	15.000	30535.286	143882.008	1.802	233°59'24.04"			
CC	15.281	30535.064	143881.837	1.793	230°52'05.62"			
	IP 3	15.617	30534.771	143881.599	1.781	R = 0.600	0.673	64°16'59.68"
CC	15.954	30534.430	143881.759	1.765	295°09'05.30"			
	IP 4	16.290	30534.089	143881.919	1.744	R = 0.600	0.673	64°16'59.68"
CT	16.627	30534.085	143882.296	1.738	359°26'04.98"			
	20.000	30534.052	143885.669	1.737	359°26'04.98"			
TC	25.000	30534.002	143890.669	1.759	359°26'04.98"			
	28.641	30533.966	143894.310	1.787	359°26'04.98"			
IP 5	29.008	30533.962	143894.731	1.786		R = 0.600	0.734	70°05'07.22"
	CC	29.375	30534.356	143894.878	1.815			
IP 6	29.742	30534.751	143895.025	1.846		R = 0.600	0.734	70°05'07.22"
	30.000	30534.945	143894.781	1.868	129°11'30.61"			
CC	30.109	30535.023	143894.705	1.876	139°36'19.41"			
	35.000	30539.067	143892.076	2.017	106°26'31.16"			
IP 7	38.541	30543.511	143884.730	2.099		R = -8.450	16.863	114°20'37.24"
	40.000	30543.994	143892.120	2.135	72°32'20.98"			
CT	45.000	30548.059	143894.905	2.201	38°38'10.79"			
	46.972	30549.101	143896.575	2.221	25°15'42.17"			
TC	50.000	30550.393	143899.313	2.222	25°15'42.17"			
	53.529	30551.899	143902.504	2.195	25°15'42.17"			
IP 8	53.707	30551.985	143902.688	2.192		R = 0.300	0.356	68°04'08.49"
	CC	53.886	30552.188	143902.676	2.187			
IP 9	54.064	30552.390	143902.664	2.184		R = 0.300	0.356	68°04'08.49"
	CT	54.242	30552.454	143902.472	2.179			
	55.000	30552.696	143901.754	2.170	161°23'59.14"			
	60.000	30554.291	143897.015	2.079	161°23'59.14"			
	65.000	30555.886	143892.276	2.169	161°23'59.14"			
	70.000	30557.481	143887.537	2.184	161°23'59.14"			
	75.000	30559.075	143882.798	2.217	161°23'59.14"			
	80.000	30560.670	143878.059	2.251	161°23'59.14"			
IP 10	84.788	30562.197	143873.522	2.285				
	85.000	30562.397	143873.594	2.282	70°09'20.87"			
IP 11	85.290	30562.670	143873.692	2.278				
	90.000	30564.269	143869.262	2.304	160°09'20.87"			
	95.000	30565.966	143864.559	2.332	160°09'20.87"			
	100.000	30567.663	143859.856	2.360	160°09'20.87"			
	105.000	30569.361	143855.153	2.391	160°09'20.87"			
	110.000	30571.058	143850.450	2.439	160°09'20.87"			
	115.000	30572.755	143845.747	2.487	160°09'20.87"			
	120.000	30574.453	143841.044	2.535	160°09'20.87"			
	125.000	30576.150	143836.340	2.584	160°09'20.87"			
	130.000	30577.847	143831.637	2.632	160°09'20.87"			
	135.000	30579.545	143826.934	2.680	160°09'20.87"			
	140.000	30581.242	143822.231	2.728	160°09'20.87"			
	145.000	30582.939	143817.528	2.776	160°09'20.87"			
	150.000	30584.637	143812.825	2.824	160°09'20.87"			
	155.000	30586.334	143808.122	2.872	160°09'20.87"			
	160.000	30588.031	143803.419	2.921	160°09'20.87"			
	165.000	30589.729	143798.716	2.933	160°09'20.87"			
	170.000	30591.426	143794.013	2.858	160°09'20.87"			

(MC10) CONTROL LINE SETOUT TABLE CONTD.								
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 12	173.689	30592.678	143790.543	2.803				
	175.000	30591.445	143790.098	2.783	250°09'20.87"			
TC	179.054	30587.632	143788.722	2.722	250°09'20.87"			
	IP 13	179.232	30587.441	143788.653	2.722	R = -0.300	0.357	68°09'16.74"
CC	179.411	30587.434	143788.450	2.722	182°00'04.14"			
	180.000	30587.327	143787.873	2.719	198°52'49.13"			
IP 14	180.946	30587.366	143786.522	2.703		R = 2.000	3.070	87°56'14.09"
	CT	182.480	30585.437	143786.520	2.676			
	185.000	30582.917	143786.517	2.651	269°56'18.23"			
	190.000	30577.917	143786.512	2.601	269°56'18.23"			
IP 15	190.608	30577.310	143786.511	2.595				
	195.000	30577.314	143782.119	2.633	179°56'18.23"			
IP 16	196.108	30577.316	143781.011	2.644				
	200.000	30573.423	143781.007	2.604	269°56'18.23"			
	205.000	30568.423	143781.001	2.548	269°56'18.23"			
	210.000	30563.423	143780.996	2.496	269°56'18.23"			
	215.000	30558.423	143780.991	2.440	269°56'18.23"			
	220.000	30553.423	143780.985	2.394	269°56'18.23"			
IP 17	221.114	30552.310	143780.984	2.383				
	225.000	30552.310	143784.871	2.407	0°00'00.00"			
	230.000	30552.310	143789.871	2.430	0°00'00.00"			
	IP 18	232.815	30552.310	143792.685	2.443			
IP 19	234.025	30553.520	143792.685	2.459				
	235.000	30553.519	143793.660	2.464	359°56'18.23"			
	240.000	30553.514	143798.660	2.487	359°56'18.23"			
	245.000	30553.508	143803.660	2.511	359°56'18.23"			
IP 20	245.655	30553.508	143804.315	2.514				
	250.000	30549.162	143804.315	2.456	270°00'00.00"			
	255.000	30544.162	143804.315	2.391	270°00'00.00"			
	260.000	30539.162	143804.315	2.325	270°00'00.00"			
IP 21	263.785	30535.377	143804.315	2.275				
	265.000	30535.376	143805.530	2.292	359°56'17.95"			
	270.000	30535.370	143810.530	2.363	359°56'17.95"			
	275.000	30535.365	143815.530	2.381	359°56'17.95"			
	280.000	30535.360	143820.530	2.334	359°56'17.95"			
	285.000	30535.354	143825.530	2.224	359°56'17.95"			
	290.000	30535.349	143830.530	2.105	359°56'17.95"			
	295.000	30535.343	143835.530	2.019	359°56'17.95"			
	300.000	30535.338	143840.530	1.975	359°56'17.95"			
	305.000	30535.333	143845.530	1.968	359°56'17.95"			
	310.000	30535.327	143850.530	1.968	359°56'17.95"			
	315.000	30535.322	143855.530	1.968	359°56'17.95"			
	320.000	30535.317	143860.530	1.968	359°56'17.95"			
	325.000	30535.311	143865.530	1.968	359°56'17.95"			
IP 22	326.285	30535.310	143866.815	1.968				
	330.000	30539.024	143866.819	2.042	89°56'18.23"			
TC	331.490	30540.515	143866.821	2.072	89°56'18.23"			
	IP 23	331.721	30540.805	143866.821	2.072	R = -0.300	0.462	88°10'15.96"
CC	331.952	30540.814	143867.111	2.072	1°46'02.26"			
	335.000	30541.412	143870.086	2.133	20°57'34.69"			
IP 24	336.289	30540.959	143871.808	2.158		R = 9.100	8.674	54°36'59.43"
	340.000	30544.363	143874.045	2.233	52°26'27.00"			
IP 25	340.626	30544.872	143874.409	2.245	56°23'01.70"			

REVISIONS

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TITLE: CONTROL LINE SETOUT TABLES

PROJECT: WEINAM CREEK PRIORITY DEVELOPMENT AREA
TEMPORARY CARPARK WEINAM CREEK REDLAND BAY
FOR REDLAND INVESTMENT CORPORATION

No. 5 of 16 DRAWINGS

Job No. FC-22-014-TC

DWG No. C-0005

0A B C D E

LEGEND

- PROPOSED SEDIMENT FENCE
- EXISTING CONTOURS
- EXISTING KERB AND CHANNEL
- PROPOSED BOTTOM OF BATTER
- PROPOSED TOP OF BATTER
- PROPOSED CHANGE OF GRADE
- PROPOSED AREA OF CUT (>500mm)
- PROPOSED AREA OF CUT (400mm-500mm)
- PROPOSED AREA OF CUT (300mm-400mm)
- PROPOSED AREA OF CUT (200mm-300mm)
- PROPOSED AREA OF CUT (100mm-200mm)
- PROPOSED AREA OF RESHAPING (TOPSOIL ONLY < ±100mm)
- PROPOSED AREA OF FILL (100mm-200mm)
- PROPOSED AREA OF FILL (200mm-300mm)
- PROPOSED AREA OF FILL (300mm-400mm)
- PROPOSED AREA OF FILL (400mm-500mm)

CLEARING OF VEGETATION:

- NO CLEARING SHALL BE CARRIED OUT BEYOND THE EXTENTS OF EARTHWORKS WITHOUT WRITTEN APPROVAL FROM THE SUPERINTENDENT.
- SUITABLE MATERIAL IS TO BE MULCHED FOR REUSE ON SITE.

TOPSOIL AND STOCKPILES:

- STRIP AND STOCKPILE AVAILABLE TOPSOIL (ASSUMED AVERAGE DEPTH 50mm) FROM ALL AREAS TO BE DISTURBED BY BULK EARTHWORK ACTIVITIES.
- CONSTRUCT STOCKPILES ALONG THE CONTOUR AS LOW, FLAT, ELONGATED MOUNDS.
- STOCKPILES TO BE PLACED NO CLOSER THAN 2 METRES FROM EXISTING VEGETATION, CONCENTRATED WATER FLOW, ROADS AND HAZARD AREAS.
- WHERE THERE IS SUFFICIENT AREA, TOPSOIL STOCKPILES SHALL BE LESS THAN 2 METRES IN HEIGHT.
- CONSTRUCT EARTH BANKS ON THE UPSLOPE SIDE TO DIVERT WATER AROUND STOCKPILES AND SEDIMENT FENCES 1 TO 2 METRES DOWNSLOPE

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.
- 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 PLANS C-0500 TO C-0503 FOR PROPOSED TREATMENT.
- CUT AND FILL BATTERS TO EXISTING SURFACE @ 1 ON 4 MAX. U.N.O.

LEGEND

- EXISTING LOT BOUNDARY
- EXISTING KERB AND CHANNEL
- EXISTING PAVEMENT SURFACING
- EXISTING BUILDING
- EXISTING CONTOURS

CONTOUR NOTE:

CONTOURS SHOWN DEPICT EXISTING SURFACE AND ARE AT 0.10m INTERVALS.

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A	REVISED CARPARK LAYOUT
0	ISSUE FOR APPROVAL

SCALE:
0 2 4 6 8
SCALE 1:250 (m)
DO NOT SCALE FROM PLAN

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APPROVED:
RPEQ:21977
APPROVED DATE:18/08/2023

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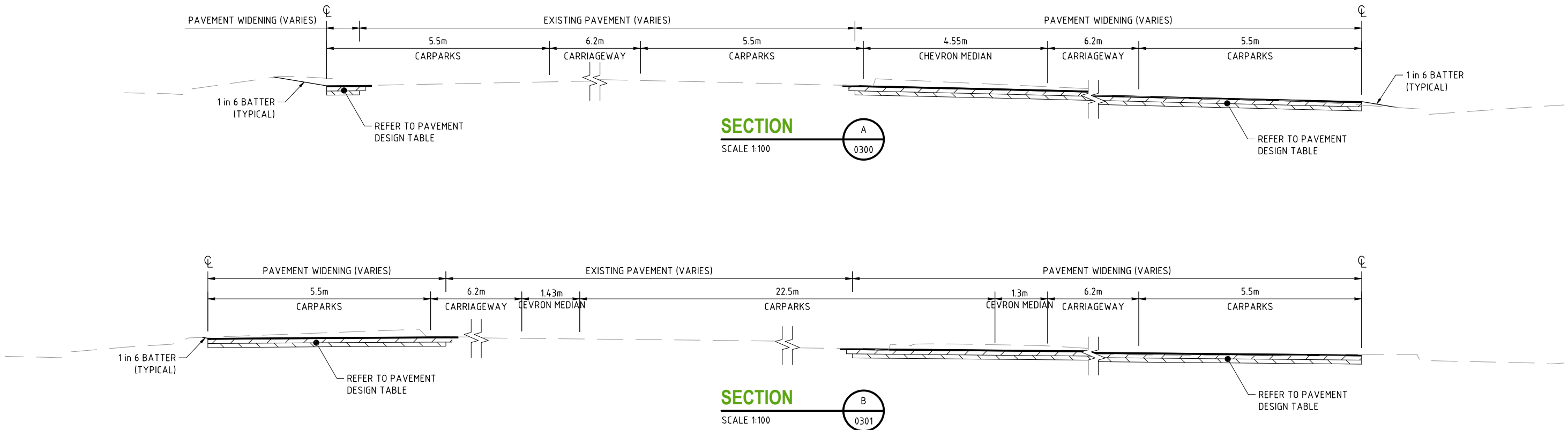


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TITLE: BULK EARTHWORKS PLAN	A3
PROJECT: WEINAM CREEK PRIORITY DEVELOPMENT AREA TEMPORARY CARPARK WEINAM CREEK REDLAND BAY FOR REDLAND INVESTMENT CORPORATION	No. 6 of 16 DRAWINGS Job No. FC-22-014-TC DWG No. C-0100
	0 A B C D E



GENERAL NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. NO WORK SHALL BE CARRIED OUT WITHIN 3.0m OF ANY UNDERGROUND SERVICE WITHOUT FIRST CONSULTING WITH THE RELEVANT AUTHORITY.
3. 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.
4. THE CONTRACTOR SHALL EMPLOY APPROPRIATE COMPACTION EQUIPMENT WHEN WORKING IN THE VICINITY OF EXISTING SERVICES AND RESIDENCES.
4. 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.
5. IN ADDITION TO ENGINEERING SOLUTIONS QLD SPECIFICATIONS, ALL WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH F.C.R.C. SPECIFICATIONS.
6. 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.
7. 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.
8. ALL DISTURBED AREAS TO BE TOPSOILED AND GRASS SEEDED UNLESS NOTED OTHERWISE.

COMPACTION NOTES:

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

PAVEMENT NOTES:

1. PAVEMENT DESIGN NOMINATED ON THESE DRAWINGS HAS BEEN BASED ON AN ASSUMED CBR OF 10%.
2. GEOTECHNICAL TESTING TO BE UNDERTAKEN TO CONFIRM PAVEMENT DESIGN.
3. NOTIFY ALL RELEVANT AUTHORITIES PRIOR TO COMMENCEMENT OF WORK WITHIN EXISTING ROAD RESERVES.

PAVEMENT TABLE

LOCATION	PAVEMENT
CARPARK	100mm BASE (TYPE 2.1C) 100mm SUBBASE (TYPE 2.3C)

SURFACING TABLE

TYPE	SURFACING
1st SEAL	1.0l/m ² C170 BITUMEN 3% CUTTER 7mm AGGREGATE 180m ² /m ³

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A	REVISED CARPARK LAYOUT 18/08/2023
0	ISSUE FOR APPROVAL 13/04/2023

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PRELIMINARY
APPROVED:
RPEQ:21977
APPROVED DATE:18/08/2023

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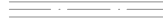
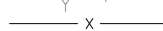
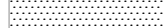
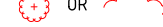
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TITLE: TYPICAL SECTIONS & STANDARD NOTES	A3
PROJECT:	No. 7 of 16 DRAWINGS
WEINAM CREEK PRIORITY DEVELOPMENT AREA	Job No.
TEMPORARY CARPARK WEINAM CREEK REDLAND BAY	DWG No.
FOR REDLAND INVESTMENT CORPORATION	FC-22-014-TC C-0101
	0 A B C D E

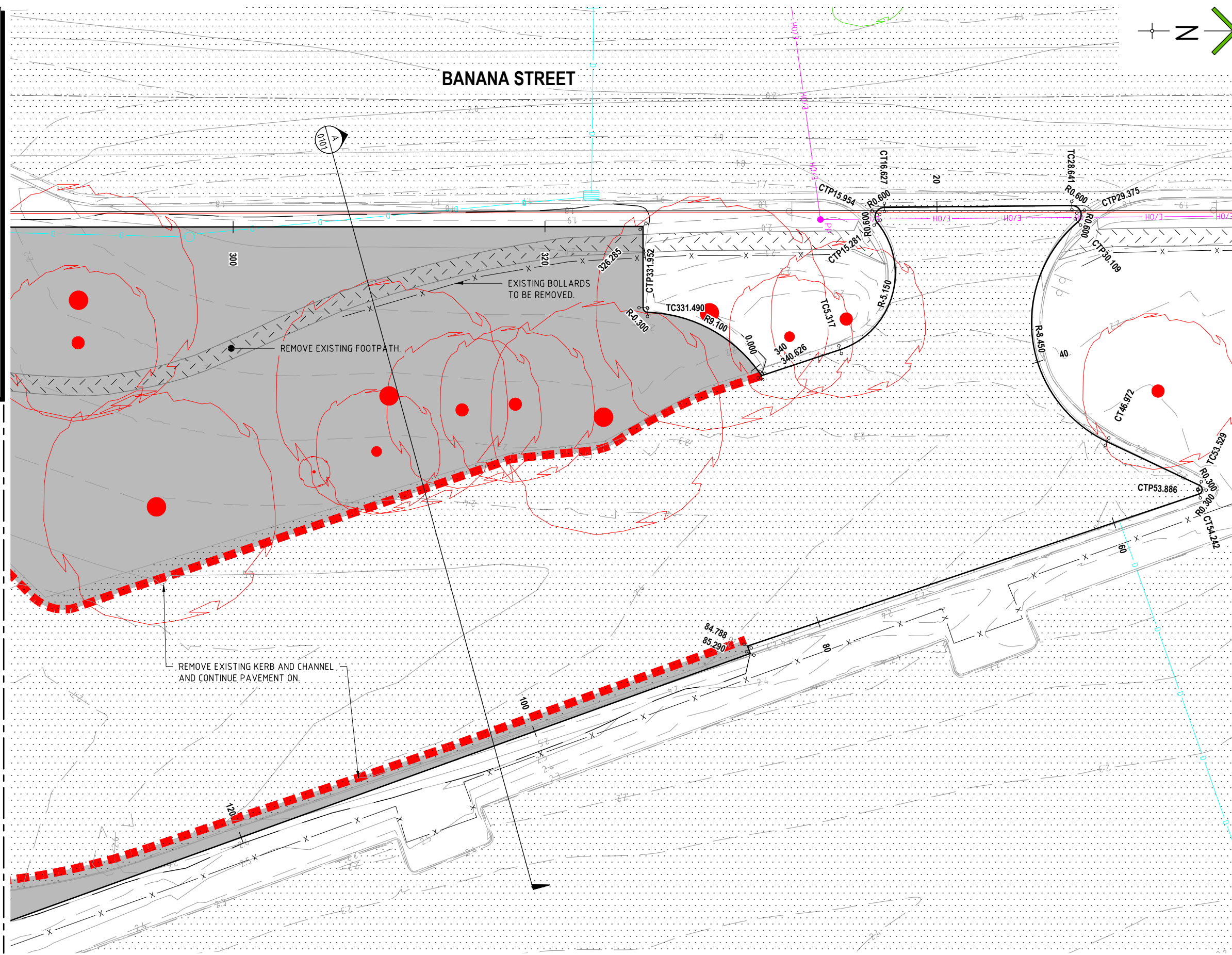
LEGEND

- | | |
|---|--|
|  | EXISTING KERB AND CHANNEL |
|  | EXISTING CONTOURS |
|  | EXISTING CONCRETE EDGE LINE |
|  | EXISTING BUILDING TO REMOVE |
|  | EXISTING BOTTOM OF BATTER |
|  | EXISTING TOP OF BATTER |
|  | EXISTING FENCE |
|  | EXISTING EDGE OF BITUMEN |
|  | EXISTING LIGHTPOLE AND POWERPOLE |
|  | EXISTING STOP/SLUICE VALVE |
|  | EXISTING ELECTRICAL PIT |
|  | EXISTING PAVEMENT SURFACING |
|  | EXISTING DRAINAGE STRUCTURE |
|  | EXISTING DRAINAGE PIPE |
|  | PROPOSED MAJOR CONTOURS |
|  | PROPOSED MINOR CONTOURS |
|  | EXISTING CONCRETE EDGE LINE |
|  | ROAD CUTBACK LINE |
|  | PROPOSED PRIME + 7mm CHIP SEAL |
|  | EXISTING VEGETATION (TREE) TO BE REMOVED |

NOTES:

1. CONTOURS SHOWN DEPICT DESIGN SURFACE AND ARE AT 0.10m INTERVALS.
2. FOR LINEMARKING DETAILS REFER DWG C-0300 TO C-0301.

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A	REVISED CARPARK LAYOUT	18/08/2023
0	ISSUE FOR APPROVAL	13/04/2023

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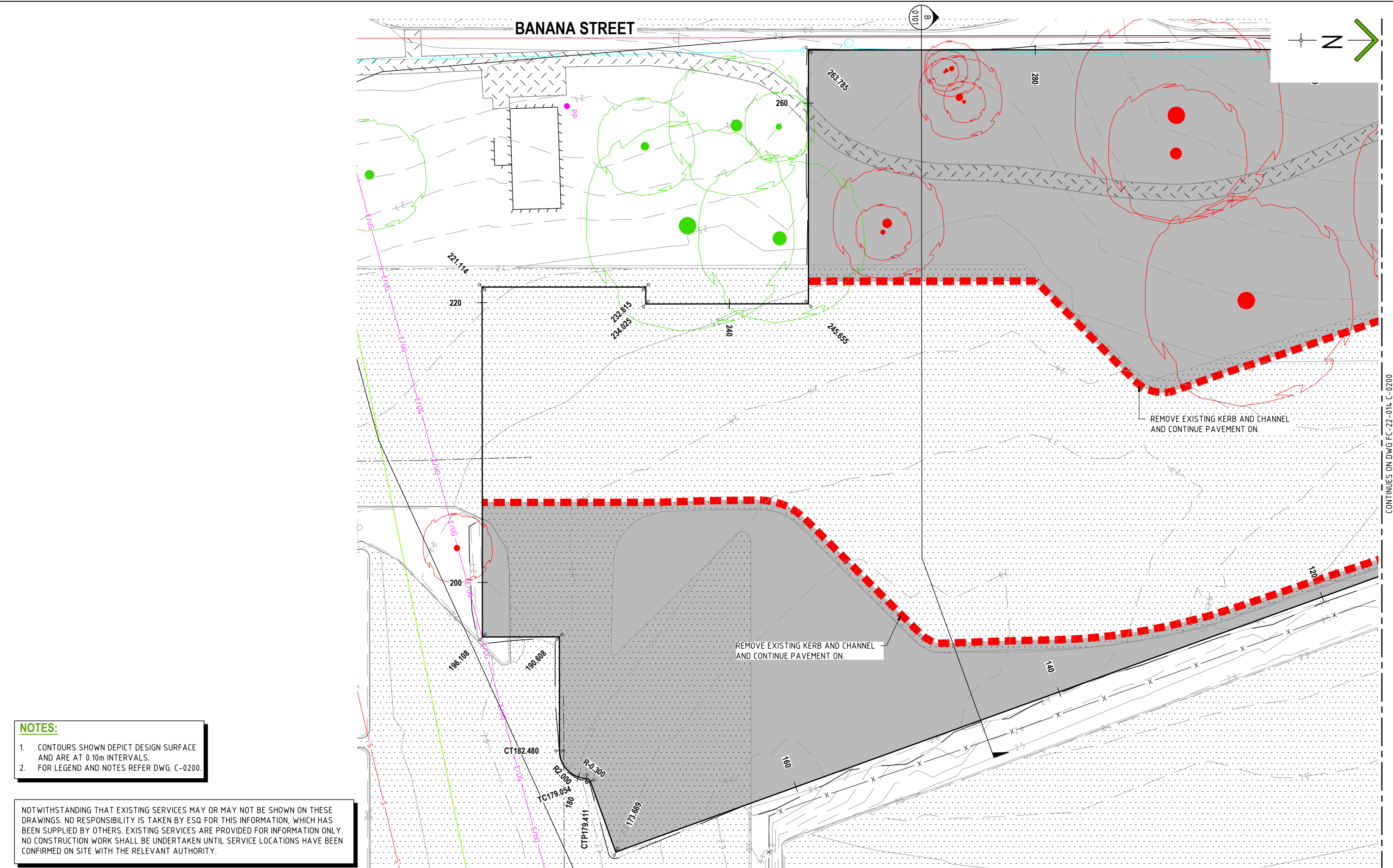
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TITLE: **DESIGN DETAIL - SHEET 1**

PROJECT:
WEINAM CREEK PRIORITY DEVELOPMENT AREA
TEMPORARY CARPARK WEINAM CREEK REDLAND BAY
FOR REDLAND INVESTMENT CORPORATION

No. 8 of 16 DRAWINGS									
Job No. FC-22-014-TC					DWG No. C-0200				
A	B	C	D	E					

A3



- NOTES:**
- 1. CONTOURS SHOWN DEPICT DESIGN SURFACE AND ARE AT 0.10m INTERVALS.
 - 2. FOR LEGEND AND NOTES REFER DWG. C-0200.

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0	ISSUE FOR APPROVAL

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TITLE: DESIGN DETAIL - SHEET 2

PROJECT:
WEINAM CREEK PRIORITY DEVELOPMENT AREA
TEMPORARY CARPARK WEINAM CREEK REDLAND BAY
FOR REDLAND INVESTMENT CORPORATION

No. 9 of 16	DRAWINGS
Job No.	DWG No.
FC-22-014-TC	C-0201
0	A B C D E

LEGEND

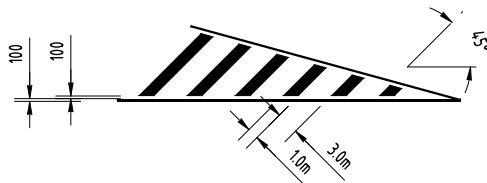
- PROPOSED LINEMARKING
- PROPOSED PRIME + 7mm CHIP SEAL
- PROPOSED WHEELSTOP
- EXISTING KERB AND CHANNEL
- EXISTING PAVEMENT SURFACING

NOTES:

- CARPARK LINEMARKING TO BE IN ACCORDANCE WITH AS 2890.

LINEMARKING NOTE:

- ALL OBSOLETE LINEMARKING TO BE REMOVED BY ABRASIVE TECHNIQUES. PAINTING OVER LINEMARKING IS NOT ACCEPTABLE.



CHEVRONS
SCALE: NTS

PAVEMENT MARKING DIMENSIONS

LONGITUDINAL LINES

Lane Lines

Edge Line

WIDTH
(mm)

100

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CONTINUES ON DWG FC-22-014 C-0301

CONTINUES ON DWG FC-22-014 C-0301

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TITLE: SIGNAGE & LINEMARKING PLAN - SHEET 1

PROJECT:
WEINAM CREEK PRIORITY DEVELOPMENT AREA
TEMPORARY CARPARK WEINAM CREEK REDLAND BAY
FOR REDLAND INVESTMENT CORPORATION

No. 10 of 16 DRAWINGS												
Job No.							DWG No.					
FC-22-014-TC							C-0300					
0	A	B	C	D	E							

A3

Setout Point Table

PONIT ID	EASTING	NORTHING
1	30535.290	143894.405
2	30541.974	143891.808
3	30542.956	143891.864
4	30545.023	143892.519
5	30549.121	143896.617
6	30551.899	143902.504
7	30552.454	143902.472
8	30557.883	143886.956
9	30552.532	143885.025
10	30545.674	143891.670
11	30535.292	143883.101
12	30538.636	143883.105
13	30541.980	143883.108
14	30542.736	143883.105
15	30544.420	143882.679
16	30545.378	143882.222
17	30548.055	143879.495
18	30546.531	143875.280
19	30544.455	143874.085
20	30542.640	143879.495
21	30540.036	143882.439
22	30540.814	143867.111
23	30540.515	143866.821
24	30535.310	143866.815
25	30535.312	143804.379
26	30553.508	143804.315
27	30553.514	143798.185
28	30552.310	143792.685
29	30552.316	143780.984
33	30577.316	143781.011
34	30577.310	143786.511
35	30585.437	143786.520
36	30587.434	143788.450
37	30587.632	143788.722
38	30592.678	143790.543
39	30547.010	143866.828
40	30547.536	143868.496
41	30549.520	143869.773
42	30552.080	143868.571
43	30552.819	143866.524
44	30547.645	143864.657
44	30552.737	143850.547
45	30557.910	143852.414
46	30560.552	143845.096
47	30559.988	143844.292
48	30558.765	143844.291
49	30558.464	143844.591

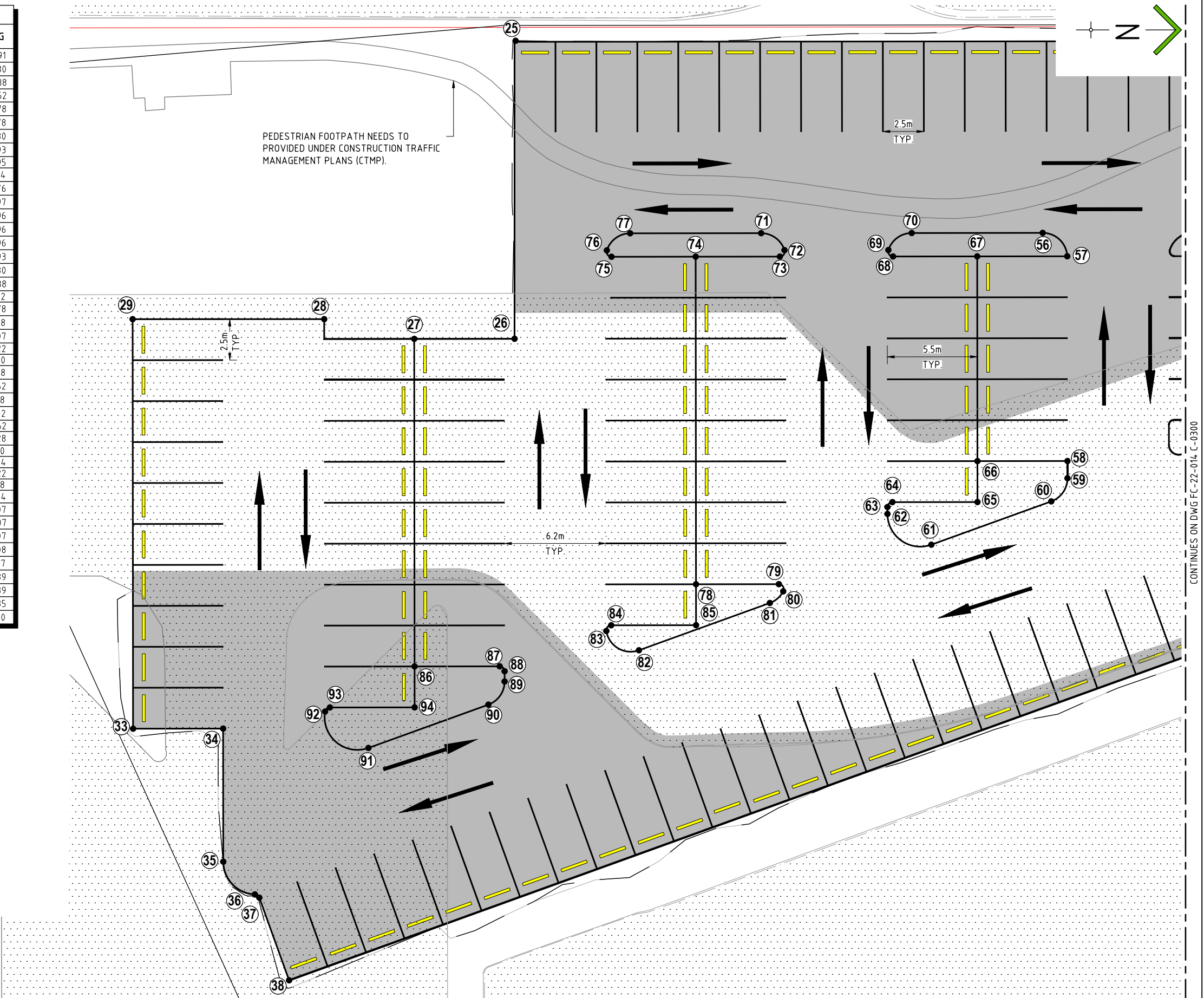
Setout Point Table

PONIT ID	EASTING	NORTHING
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53	30548.072	143844.352
54	30547.032	143845.778
55	30547.042	143836.578
56	30548.471	143838.080
57	30560.971	143838.093
58	30562.023	143838.095
59	30563.436	143837.104
60	30566.081	143829.776
61	30564.202	143827.097
62	30563.783	143827.096
63	30563.483	143827.396
64	30563.477	143832.596
65	30560.977	143832.593
66	30548.477	143832.580
67	30548.483	143827.438
68	30548.091	143827.152
69	30547.051	143828.578
70	30547.061	143819.378
71	30548.097	143820.807
72	30548.490	143820.522
73	30548.496	143815.380
74	30548.501	143810.238
75	30548.109	143809.952
76	30547.069	143811.378
77	30568.496	143815.402
78	30568.490	143820.462
79	30568.930	143820.728
80	30569.641	143819.910
81	30570.996	143815.404
83	30571.347	143809.922
84	30571.001	143810.218
85	30570.996	143815.404
86	30573.514	143798.207
87	30573.509	143803.407
88	30573.808	143803.707
89	30574.433	143803.708
90	30575.846	143802.717
91	30578.491	143795.389
92	30576.269	143792.739
93	30576.020	143793.035
94	30576.014	143798.210

NOTES:

1. CONTOURS SHOWN DEPICT DESIGN SURFACE AND ARE AT 0.10m INTERVALS.
2. FOR LEGEND AND NOTES REFER DWG. C-0300.

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
E	
D	
C	
B	
A	REVISED CARPARK LAYOUT 18/08/2023
0	ISSUE FOR APPROVAL 13/04/2023

SCALE:
0 2 4 6 8
SCALE 1:250 (m)
DO NOT SCALE FROM PLAN

PRELIMINARY
APPROVED:
RPEQ:21977
APPROVED DATE:18/08/2023

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TITLE: SIGNAGE & LINEMARKING PLAN - SHEET 2	A3
PROJECT: WEINAM CREEK PRIORITY DEVELOPMENT AREA TEMPORARY CARPARK WEINAM CREEK REDLAND BAY FOR REDLAND INVESTMENT CORPORATION	No. 11 of 16 DRAWINGS Job No. DWG No. FC-22-014-TC C-0301
	0 A B C D E

CONSTRUCTION MANAGEMENT PLAN

WEINAM CREEK PRIORITY DEVELOPMENT AREA TEMPORARY CARPARK WEINAM CREEK REDLAND BAY FOR REDLAND INVESTMENT CORPORATION

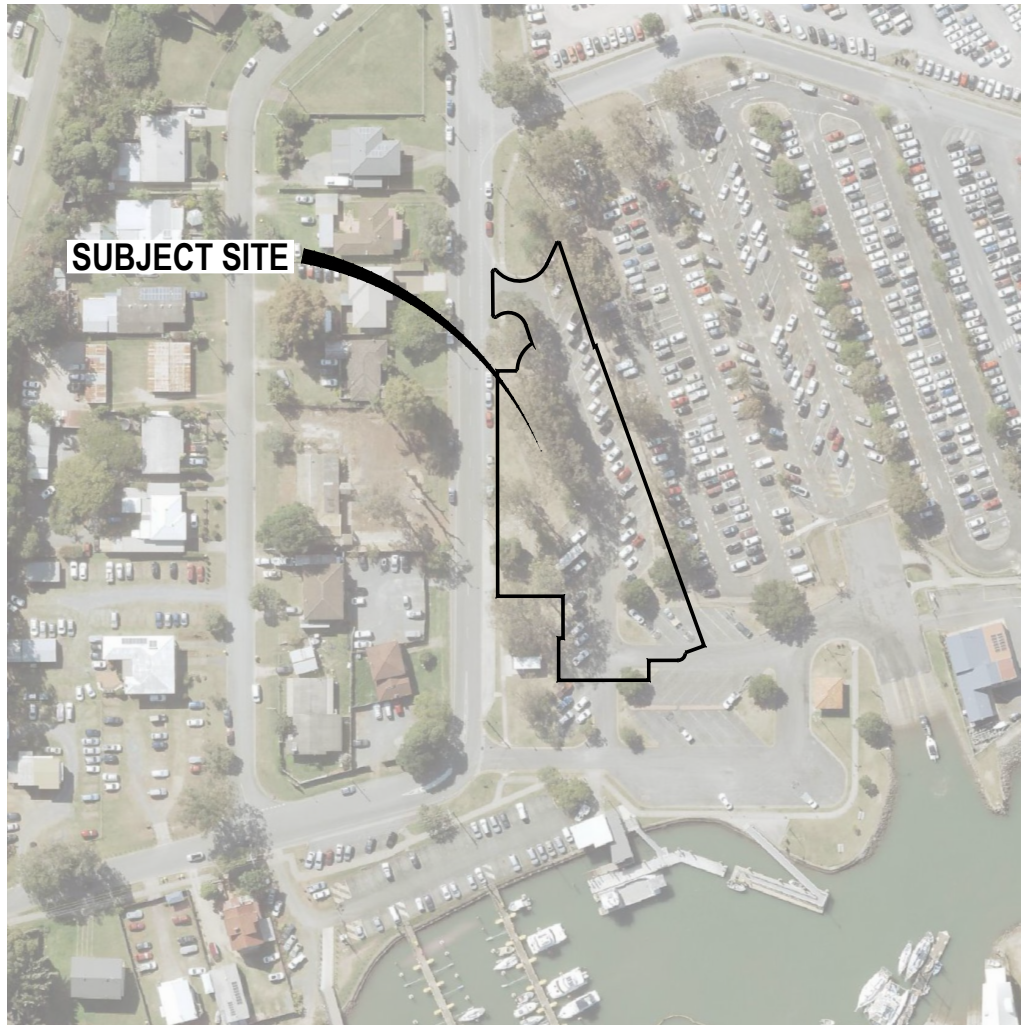


IMAGE SOURCE: GOOGLE MAPS

LOCALITY PLAN

SCALE: NTS

CLEARING OF VEGETATION

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

EARTHWORKS:

1. ALL EARTHWORKS TO BE CARRIED OUT IN ACCORDANCE WITH AS.3798.
2. 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.
3. TESTING FREQUENCY SHALL BE FOR 'TYPE 1' EARTHWORKS IN ACCORDANCE WITH AS.3798.
4. THE CONTRACTOR SHALL PROGRESSIVELY SUBMIT ALL INSPECTION CERTIFICATIONS AND TEST RESULTS (E.G. FIELD DENSITIES) IN COMPLIANCE WITH AS.3798.
5. STRIP AND STOCKPILE AVAILABLE TOPSOIL (ASSUMED AVERAGE DEPTH 75mm) FROM ALL AREAS TO BE DISTURBED BY BULK EARTHWORK ACTIVITIES.
6. 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.
7. 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.
8. COMPACT AND PROOF ROLL ALL PREPARED SURFACES PRIOR TO FILLING.
9. 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.
10. ALL DISTURBED AREAS ARE TO BE STABILISED AS SOON AS PRACTICAL TO MINIMISE THE POTENTIAL FOR DUST AND EROSION. REFER TO CMP PLAN C-0503 FOR PROPOSED TREATMENT.
11. CUT AND FILL BATTERS TO EXISTING SURFACE @ 1 ON 4 MAX. U.N.O.

ROADWORKS:

1. 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.
2. 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.
3. ALL WORK SHALL CONFORM WITH F.C.R.C PLANNING SCHEME POLICY AND COUNCIL SPECIFICATIONS IN ADDITION TO THESE PLANS AND ESQ'S DOCUMENTATION.
4. 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.
5. PROVIDE TRAFFIC MANAGEMENT, LINEMARKING AND SIGNAGE TO THE CURRENT "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" / AS1742 REQUIREMENTS.
6. ALL EXISTING INFRASTRUCTURE AND ROAD FURNITURE WITHIN THE AREA OF WORKS TO BE SUITABLY RELOCATED AND MADE GOOD.

CONSTRUCTION NOTES:

1. CONSTRUCTION START DATE - T.B.A.
2. CONSTRUCTION COMPLETION DATE - T.B.A.
3. HOURS OF OPERATION - MONDAY TO SATURDAY REFER DWG C-0501
4. CONSTRUCTION PROGRAM - SEE BELOW:
5. DUST CONTROL MEASURES:-
 - 5.1. AREAS OF CLEARING / EARTHWORKS TO BE LIMITED TO THAT SHOWN ON OPERATIONAL WORKS PLANS.
 - 5.2. PHYSICAL BARRIERS TO BE RETAINED. I.E. EXISTING VEGETATION / BUFFER ZONES.
 - 5.3. SITE TRAFFIC CONTROL: CONSTRUCTION VEHICLE SPEED LIMITS ON UNSEALED TRACKS TO BE REDUCED TO 10km/h OR FURTHER IF REQUIRED.
 - 5.4. 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.
 - 5.5. WATER TRUCK TO CYCLE WITHIN DISTURBED AREAS OF THE SITE ON A REGULAR BASIS. WEATHER CONDITIONS TO BE MONITORED AND CYCLES INCREASED IF REQUIRED.
 - 5.6. 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.
6. 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:

1. PRE-START MEETING (MANDATORY) - MINIMUM 7 WORKING DAYS.
2. KEY CONSTRUCTION ACTIVITY INSPECTIONS (REFER BELOW) - MINIMUM 48 HOURS.
3. ON MAINTENANCE INSPECTION (WHERE SPECIFIED BY COUNCIL AT THE PRE-START MEETING) - MINIMUM 5 WORKING DAYS.
4. OFF MAINTENANCE INSPECTION (WHERE SPECIFIED BY COUNCIL AT THE PRE-START MEETING) - MINIMUM 5 WORKING DAYS.
5. 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:

1. 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.
2. SUB-GRADE BOX INSPECTION: VISUAL AND PROOFROLL. CONTRACTOR TO SUBMIT CBR AND DENSITY TEST RESULTS.
3. PRE-SEAL INSPECTION: MEASUREMENT, STRINGLINE, VISUAL AND PROOFROLL. CONTRACTOR TO SUBMIT CBR AND DENSITY TEST RESULTS.
4. CONCRETE PAVEMENT INSPECTIONS: STEEL INSPECTION, MEASUREMENT.
5. STORMWATER OUTLET: COMPLIANCE WITH THE DRAWINGS, PRIOR TO COMMENCING PIPE LAYING UPSTREAM.
6. 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.

REVISIONS		ISSUE DATE	SCALE:	PRELIMINARY APPROVED:  RPEQ:21977 APPROVED DATE:18/08/2023	ENGINEERING SOLUTIONS QLD. 4/31 MAIN STREET PIALBA PO Box 1050, HERVEY BAY QLD. 4655 T: 07 41941550 E: admin@engineeringsolutionsqld.com.au W: www.engineeringsolutionsqld.com.au CLIENTS - SERVICE - SOLUTIONS		THIS DRAWING IS COPYRIGHT AND THE PROPERTY OF ENGINEERING SOLUTIONS QLD PTY LTD. IT MUST NOT BE RETAINED, COPIED OR USED WITHOUT THE AUTHORITY OF ENGINEERING SOLUTIONS QLD PTY LTD.										TITLE: C.M.P. INDEX & STANDARD NOTES	A3
							THIS DRAWING AND ITS CONTENTS ARE ELECTRONICALLY GENERATED, ARE CONFIDENTIAL AND MAY ONLY BE USED FOR THE PURPOSE FOR WHICH THEY WERE INTENDED. ENGINEERING SOLUTIONS QLD PTY LTD WILL NOT ACCEPT RESPONSIBILITY FOR ANY CONSEQUENCES ARISING FROM THE USE OF THE DRAWING FOR OTHER THAN ITS INTENDED PURPOSE OR WHERE THE DRAWING HAS BEEN ALTERED, AMENDED OR CHANGED EITHER MANUALLY OR ELECTRONICALLY BY ANY THIRD PARTY.											
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E			NTS				PROJECT: WEINAM CREEK PRIORITY DEVELOPMENT AREA										No. 12 of 16 DRAWINGS	
D							Job No. FC-22-014-TC											DWG No. C-0400
C							TEMPORARY CARPARK WEINAM CREEK REDLAND BAY											
B							FOR REDLAND INVESTMENT CORPORATION											
A	REVISED CARPARK LAYOUT	18/08/2023																
0	ISSUE FOR APPROVAL	13/04/2023	DO NOT SCALE FROM PLAN															
							0 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 REFUELING. - 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 AS 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 LETTER DROP.	- THE CONTRACTOR IS RESPONSIBLE FOR THE SITE. - THE CONTRACTOR IS RESPONSIBLE FOR PUBLIC NOTIFICATION VIA 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 OF 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 ME 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 AND 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.

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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 SUFFICENT 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 **DS-040**.

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

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 **DS-040**.
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 FOOTPATHS, 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.

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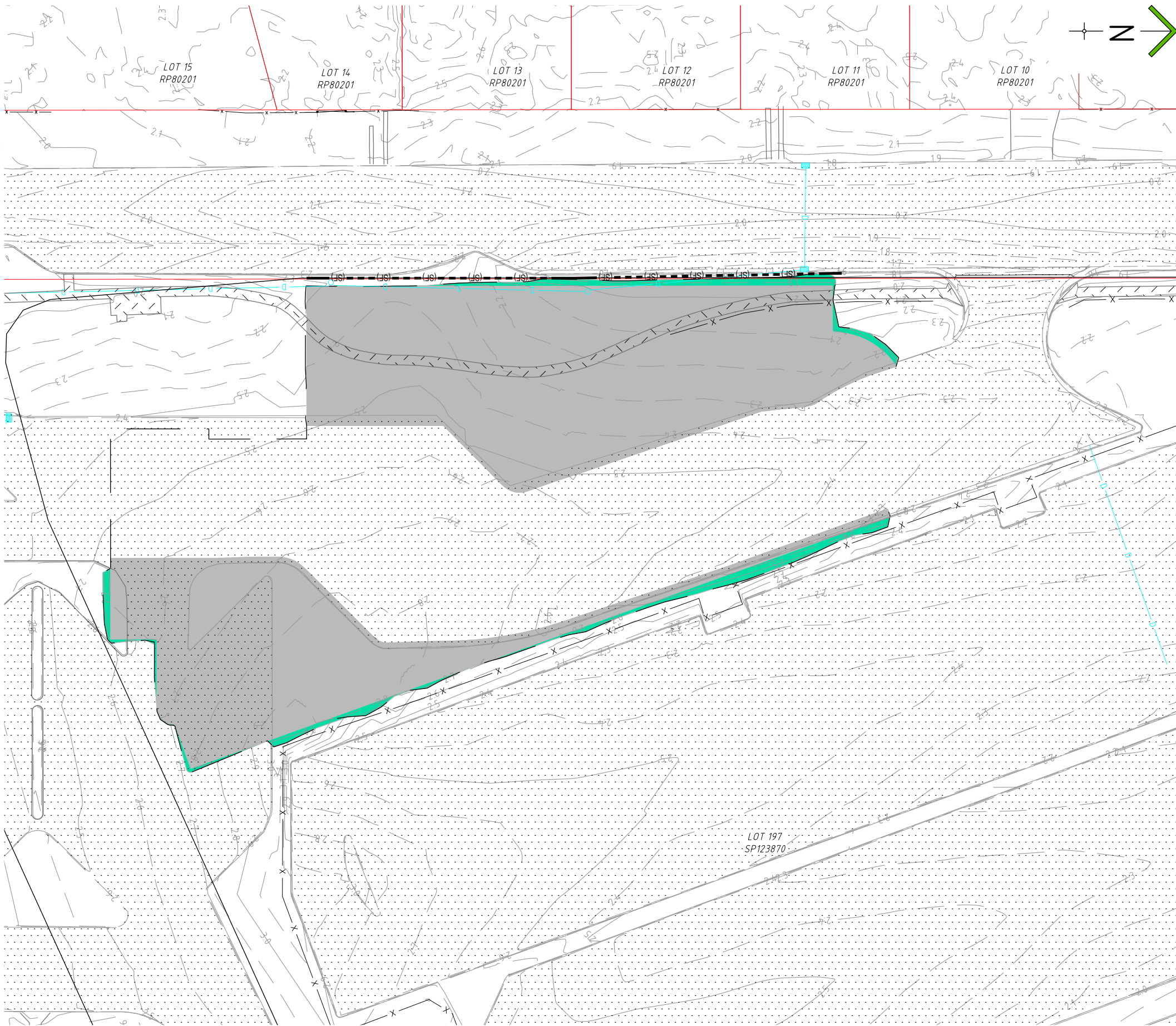
LEGEND

	PROPOSED CHAGE OF GRADE
	PROPOSED AREA OF HYDROMULCH (103m²)
	PROPOSED PRIME + 7mm CHIP SEAL
	PROPOSED MAJOR CONTOURS
	PROPOSED MINOR CONTOURS
	PROPOSED SEDIMENT FENCE
	EXISTING KERB AND CHANNEL
	EXISTING PAVEMENT SURFACING

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. DS-040 & DS-041 FOR DETAILS OF THE PROPOSED E&SC STRUCTURES.
4. ALL DISTURBED AREAS TO BE TOPSOILED AND HYDROMULCHED U.N.O.
5. CONTOURS SHOWN DEPICT DESIGN SURFACE AND ARE AT 0.10m INTERVALS.

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
E	
D	
C	
B	
A	REVISED CARPARK LAYOUT 18/08/2023
0	ISSUE FOR APPROVAL 13/04/2023

SCALE:
SCALE 1:250 (m)
DO NOT SCALE FROM PLAN

PRELIMINARY
APPROVED:
RPEQ:21977
APPROVED DATE:18/08/2023

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TITLE: EROSION & SEDIMENT CONTROL PLAN - SHEET 2		A3
PROJECT:		No. 16 of 16 DRAWINGS
WEINAM CREEK PRIORITY DEVELOPMENT AREA		Job No.
TEMPORARY CARPARK WEINAM CREEK REDLAND BAY		DWG No.
FOR REDLAND INVESTMENT CORPORATION		FC-22-014-TC C-0403
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