

MEISSNER STREET EXTENSION WORKS

WEINAM CREEK REDLAND BAY

FOR REDLAND INVESTMENT CORPORATION PTY LTD

DRAWING INDEX

C-0001	LOCALITY PLAN & DRAWING INDEX
C-0002	EXISTING SITE FEATURES AND CONTROL LINES
C-0003	CONTROL LINE SETOUT DATA - SHEET 1
C-0004	CONTROL LINE SETOUT DATA - SHEET 2
C-0005	CONTROL LINE SETOUT DATA - SHEET 3
C-0006	TYPICAL SECTIONS & STANDARD NOTES
C-0100	BULK EARTHWORKS PLAN
C-0101	ROAD LONGITUDINAL SECTIONS
C-0102	RETAINING WALL LONGITUDINAL SECTIONS
C-0200	DESIGN DETAIL - SHEET 1
C-0201	DESIGN DETAIL - SHEET 2
C-0202	SIGNAGE & LINEMARKING
C-0203	DRIVEWAY SETOUT AND SECTIONS - SHEET 1
C-0204	DRIVEWAY SETOUT AND SECTIONS - SHEET 2
C-0205	DRIVEWAY SETOUT AND SECTIONS - SHEET 3
C-0206	DRIVEWAY SETOUT AND SECTIONS - SHEET 4
C-0300	DRAINAGE CATCHMENT PLAN
C-0301	DRAINAGE LONGITUDINAL SECTIONS
C-0302	OVERSIZED PIT DETAILS
C-0600	MEISSNER STREET CROSS SECTIONS
C-0601	OUTRIDGE STREET CROSS SECTIONS
C-0602	HAMILTON STREET CROSS SECTIONS
C-0700	C.M.P INDEX & STANDARD NOTES
C-0701	CONSTRUCTION MANAGEMENT PLAN
C-0702	EROSION & SEDIMENT CONTROL NOTES
C-0703	EROSION & SEDIMENT CONTROL PLAN

STANDARD DRAWINGS - TMR

SD-1260	R C BOX CULVERTS AND SLAB LINK BOX CULVERTS - CULVERTS HEIGHT = 375 TO 600 (DRAWING 1 OF 2 TO DRAWING 2 OF 2)
SD-1304	PIPE CULVERTS - WINGWALLS, HEADWALLS AND APRON FOR PIPE DIAMETER 750 TO 2400 - DRAWING 1 OF 2 TO 2 OF 2
SD-1305	PIPE CULVERTS - HEADWALL AND APRON FOR PIPE DIAMETER 375 TO 675
SD-1308	ACCESS CHAMBER - ROOF SLABS 1050 TO 2100
SD-1356	ROAD EDGE AND GUIDE POSTS - TIMBER AND TUBULAR STEEL POST AND INSTALLATION DETAILS
SD-1359	CULVERTS - INSTALLATION, BEDDING AND FILLING/BACKFILLING AGAINST/OVER CULVERTS

STANDARD DRAWINGS - REDLAND CITY COUNCIL

R-RCC-1	DOMESTIC DRIVEWAY CROSSOVER
R-RCC-4	CONCRETE FOOTPATH AND SHARED USE PATHS
R-RCC-5	FOOTPATH PROFILE
R-RCC-6	PUBLIC UTILITIES IN ROAD RESERVE - CORRIDORS AND ALIGNMENTS
R-RCC-7	PUBLIC UTILITIES IN ROAD RESERVE - CONDUIT SECTIONS

STANDARD DRAWINGS - IPWEAQ

DSD-101	STORMWATER ACCESS CHAMBER DETAIL 1050 TO 2100 DIAMETER
DSD-104	ACCESS COVER (ROADWAY) 1050 TO 2100 DIAMETER
DSD-030	EXCAVATION, BEDDING AND BACKFILLING - RIGID AND FLEXIBLE DRAINAGE PIPES
DSD-301	SEDIMENT CONTROL DEVICES SEDIMENT FENCE, ENTRY/EXIT SEDIMENT TRAP
DSD-302	SEDIMENT CONTROL DEVICES KERB AND FIELD INLETS - CHECK DAMS & STRAW BALES
DSD-401	FIELD INLET TYPE 1 AND TYPE 2
DSD-403	KERB INLET-LIP IN LINE GENERAL ARRANGEMENT
RSD-200	KERB AND CHANNEL - PROFILES AND DIMENSIONS
RSD-701	STREET NAME SIGN AND LOCATION (FINGERBOARD)
RSD-702	TRAFFIC SIGN INSTALLATION DETAILS
RSD-801	SUBSOIL DRAINS - DETAILS AND LOCATION
RSD-803	PAVEMENT EXTENSION - TRENCHING AND WIDENING
RS-090	KERB RAMPS - RAMPED PEDESTRIAN CROSSINGS

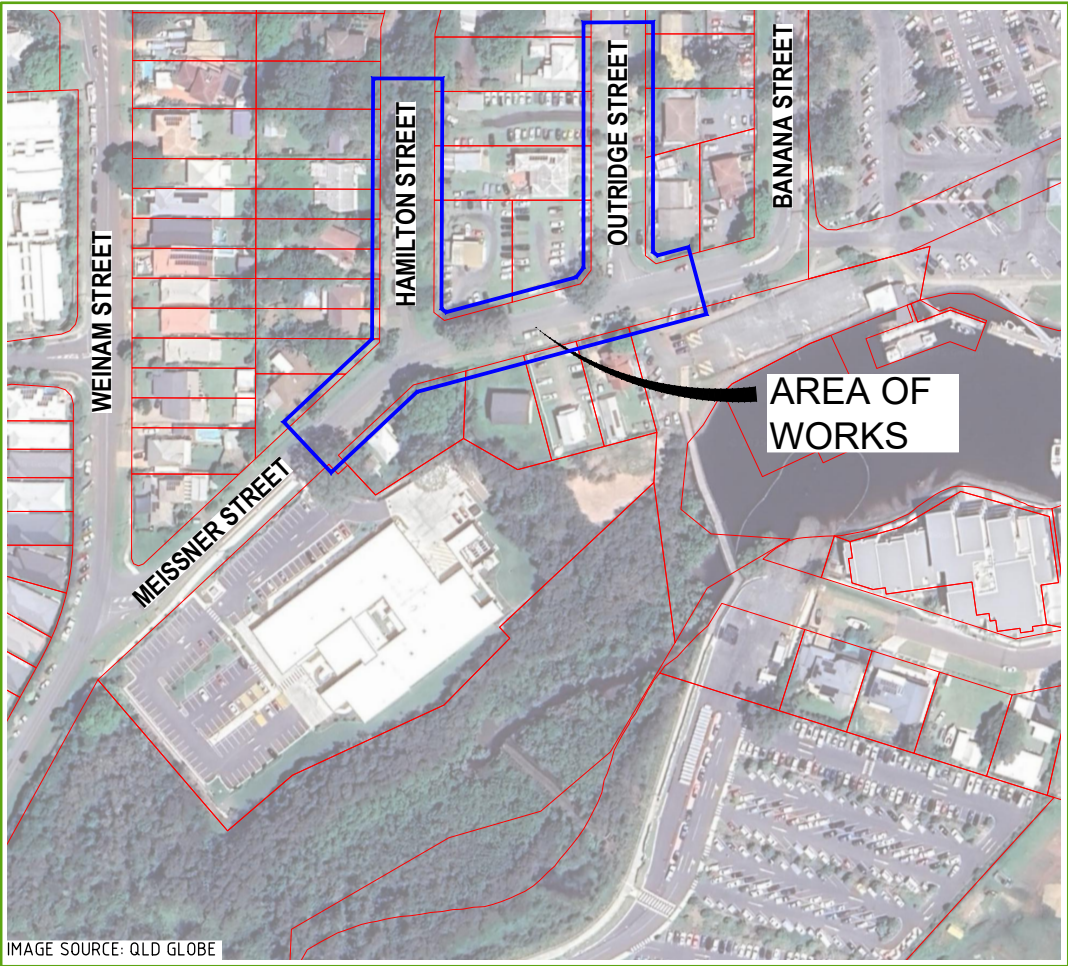


IMAGE SOURCE: QLD GLOBE

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.

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:	NTS	PRELIMINARY APPROVED:  RPEQ: 21977 APPROVED DATE: 5/06/2025	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	 Engineering Solutions Qld	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. 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. THIS IS AN UNCONTROLLED DOCUMENT ISSUED FOR INFORMATION PURPOSES ONLY. UNLESS THE CHECKED SECTIONS ARE SIGNED OR COMPLETED, FIGURED DIMENSIONS TAKE PRECEDENCE OVER SCALED. DO NOT SCALE REDUCED SIZE DRAWINGS. VERIFY DIMENSIONS PRIOR TO COMMENCING ANY WORKS.	TITLE: LOCALITY PLAN & DRAWING INDEX										A3	
E									PROJECT: MEISSNER STREET EXTENSION WORKS WEINAM CREEK REDLAND BAY FOR REDLAND INVESTMENT CORPORATION PTY LTD	No. 1 of 26 DRAWINGS					Job No.		DWG No.			
D										FC-25-021					C-0001					
C																				
B																				
A																				
0	ORIGINAL ISSUE	5/06/2025	DO NOT SCALE FROM PLAN																	

LEGEND

- EXISTING LOT BOUNDARY
- EXISTING BOTTOM OF BATTER
- EXISTING TOP OF BATTER
- EXISTING EDGE OF BITUMEN
- EXISTING BUILDING TO REMAIN
- EXISTING FENCE
- EXISTING CONTOURS
- EXISTING VEGETATION TO REMAIN
- EXISTING VEGETATION TO BE REMOVED
- EXISTING TELSTRA LINE
- EXISTING DRAINAGE LINE
- EXISTING GRAVITY SEWER MAIN
- EXISTING WATERMAIN
- EXISTING UNDERGROUND ELECTRICITY LINE
- EXISTING OVER HEAD ELECTRICITY LINE
- EXISTING CONCRETE EDGE LINE
- EXISTING ROAD CENTRELINE
- EXISTING KERB AND CHANNEL
- EXISTING POWERPOLE
- EXISTING LIGHTPOLE
- EXISTING TELSTRA/OPTIC FIBRE PIT
- EXISTING FIRE HYDRANT
- EXISTING PAVEMENT SURFACING
- EXISTING CONCRETE

OVERHEAD ELECTRICAL NOTE:

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

NOTES:

- ALL BOUNDARIES SHOWN ON THIS PLAN ARE SUBJECT TO FINAL SURVEY
- CONTOURS SHOWN DEPICT EXISTING SURFACE AND ARE AT 0.1m INTERVALS.
- REFER SHEET C-0003 FOR ROAD SETOUT TABLES.

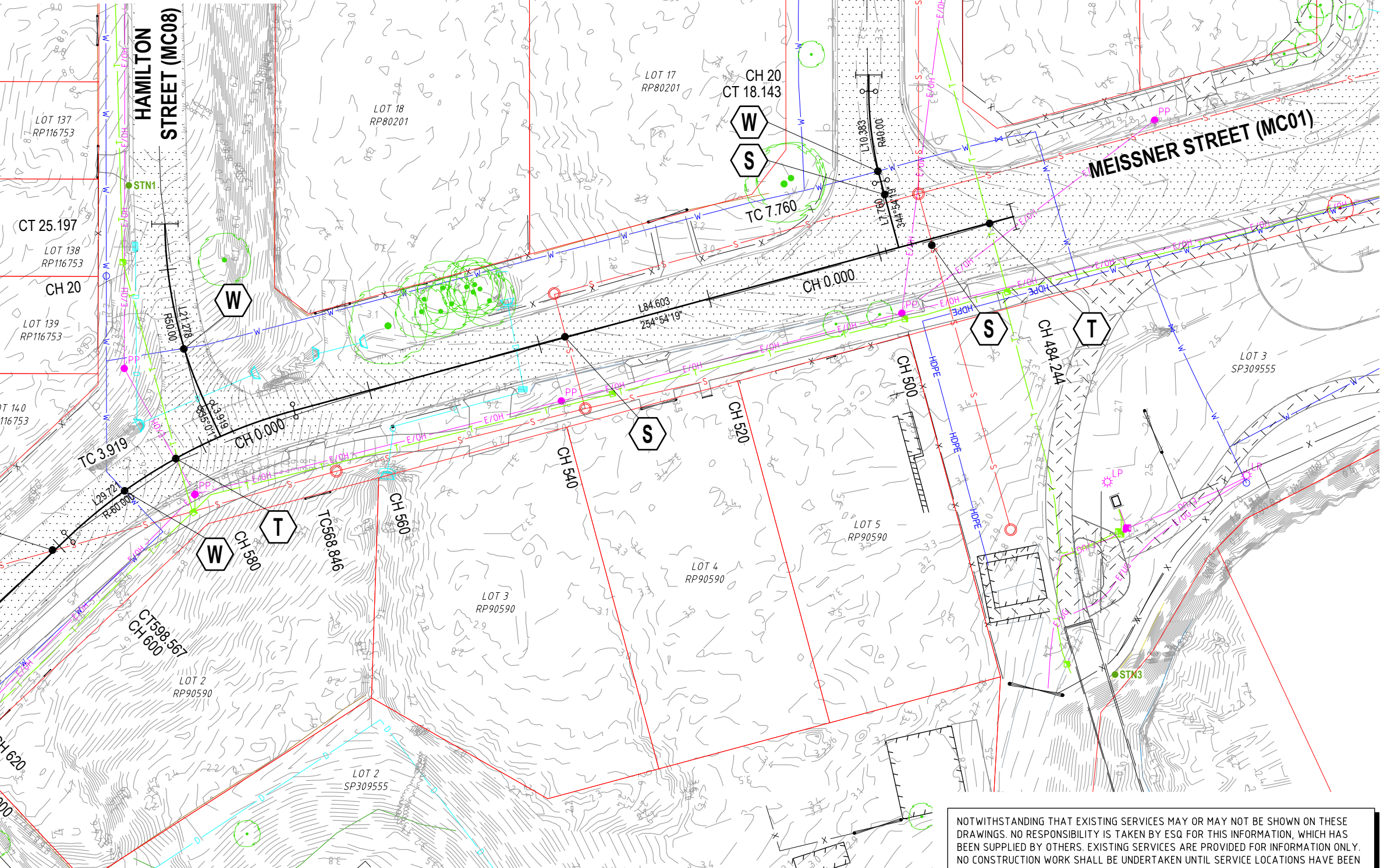
SURVEY STATION SETOUT POINTS

POINT ID	EASTING	NORTHING	LEVELS
STN 1	30379.419	143744.379	7.828
STN 2	30467.399	143801.783	3.228
STN 3	30491.498	143688.794	1.993

- DEPICTS EXISTING SEWER SERVICE. ACTUAL LOCATION TO BE CONFIRMED ON SITE. EXTREME CAUTION TO BE TAKEN DURING CONSTRUCTION.
- DEPICTS EXISTING TELECOM SERVICE. ACTUAL LOCATION TO BE CONFIRMED ON SITE. EXTREME CAUTION TO BE TAKEN DURING CONSTRUCTION.
- DEPICTS EXISTING WATER SERVICE. ACTUAL LOCATION TO BE CONFIRMED ON SITE. EXTREME CAUTION TO BE TAKEN DURING CONSTRUCTION.



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



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:	PRELIMINARY	ENGINEERING SOLUTIONS QLD.	TITLE: EXISTING SITE FEATURES AND CONTROL LINES	A3
E							
D				APPROVED:	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	PROJECT: MEISSNER STREET EXTENSION WORKS WEINAM CREEK REDLAND BAY FOR REDLAND INVESTMENT CORPORATION PTY LTD	No. 2 of 26 DRAWINGS Job No. FC-25-021 DWG No. C-0002
C							
B							
A							
ORIGINAL ISSUE		5/06/2025	DO NOT SCALE FROM PLAN	RPEQ: 21977 APPROVED DATE: 5/06/2025			

MEISSNER STREET (MC01) CONTROL LINE SETOUT POINTS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 8	484.244	30479.907	143740.832	3.256				
	500.000	30464.694	143736.728	3.472	254°54'19.24"			
	520.000	30445.384	143731.520	3.200	254°54'19.24"			
	540.000	30426.074	143726.312	2.751	254°54'19.24"			
	560.000	30406.764	143721.103	3.177	254°54'19.24"			
TC	568.846	30398.223	143718.800	3.883	254°54'19.24"			
	580.000	30387.785	143714.914	4.980	244°15'15.28"			
IP 9	583.706	30383.575	143714.849	5.291		R = -60.000	29.721	28°22'51.91"
CT	598.567	30372.565	143704.410	6.063	226°31'27.34"			
	600.000	30371.525	143703.424	6.097	226°31'27.34"			
	620.000	30357.012	143689.663	6.108	226°31'27.34"			
	625.000	30353.383	143686.223	6.088	226°31'27.34"			

OUTRIDGE STREET (MC07) CONTROL LINE SETOUT POINTS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	30466.914	143737.327	3.465	344°54'18.96"			
TC	7.760	30464.894	143744.819	3.295	344°54'18.96"			
IP 2	12.951	30463.534	143749.860	3.300		R = 40.000	10.383	14°52'22.06"
CT	18.143	30463.514	143755.081	3.327	359°46'41.03"			
	20.000	30463.507	143756.938		359°46'41.03"			
	40.000	30463.429	143776.938		359°46'41.03"			
	60.000	30463.352	143796.938		359°46'41.03"			
IP 3	73.823	30463.298	143810.760		359°46'41.03"			

HAMILTON STREET (MC08) CONTROL LINE SETOUT POINTS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	30389.862	143715.867	4.766	335°00'00.89"			
TC	3.919	30388.206	143719.419	4.866	335°00'00.89"			
IP 2	14.558	30383.641	143729.209	6.137		R = 50.000	21.278	24°22'58.42"
	20.000	30383.850	143734.827	6.952	353°25'40.23"			
CT	25.197	30383.525	143740.011	7.485	359°22'59.31"			
	40.000	30383.365	143754.814		359°22'59.31"			
	60.000	30383.150	143774.812		359°22'59.31"			
IP 3	77.110	30382.966	143791.922		359°22'59.31"			

REVISIONS

ISSUE DATE

SCALE:

NTS

DO NOT SCALE FROM PLAN

PRELIMINARY

APPROVED:

RPEQ: 21977

APPROVED DATE: 5/06/2025

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

Engineering Solutions Qld

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.

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.

THIS IS AN UNCONTROLLED DOCUMENT ISSUED FOR INFORMATION PURPOSES ONLY, UNLESS THE CHECKED SECTIONS ARE SIGNED OR COMPLETED. FIGURED DIMENSIONS TAKE PRECEDENCE OVER SCALED. DO NOT SCALE REDUCED SIZE DRAWINGS. VERIFY DIMENSIONS PRIOR TO COMMENCING ANY WORKS.

TITLE: CONTROL LINE SETOUT DATA - SHEET 1

A3

PROJECT:

MEISSNER STREET EXTENSION WORKS

WEINAM CREEK REDLAND BAY

FOR REDLAND INVESTMENT CORPORATION PTY LTD

No. 3 of 26 DRAWINGS

Job No. FC-25-021

DWG No. C-0003

O

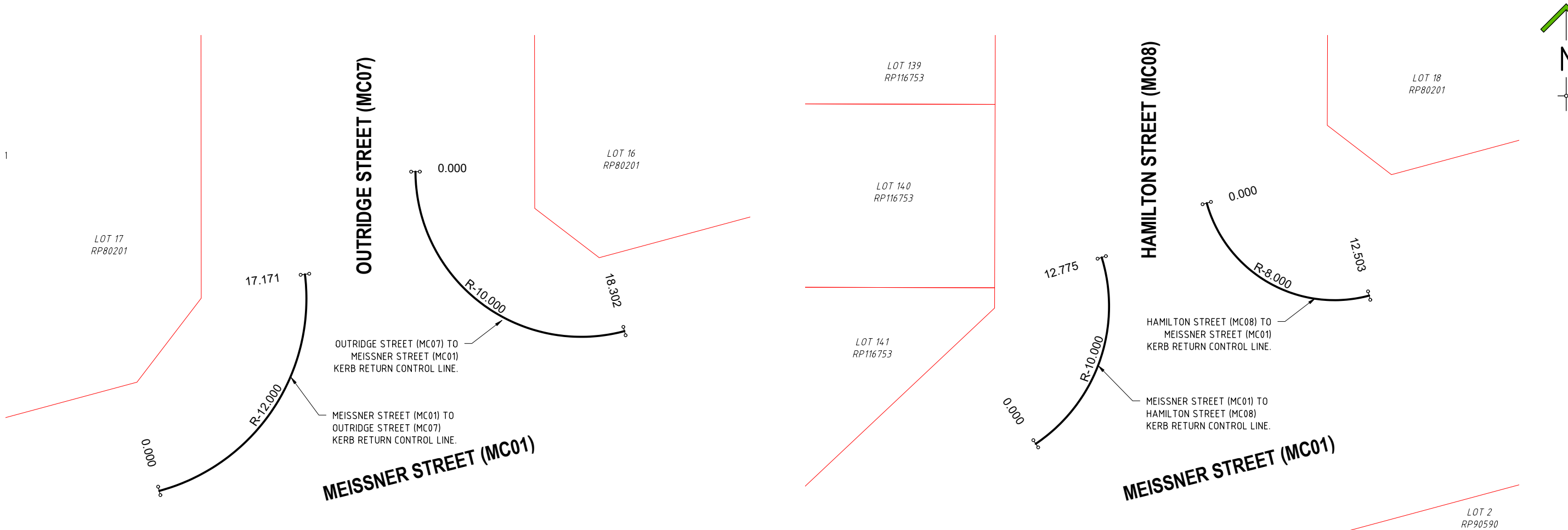
A

B

C

D

E



MEISSNER STREET (MC01) TO OUTRIDGE STREET (MC07) CONTROL LINE SETOUT POINTS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	30451.561	143736.811	3.273	74°54'19.24"			
	2.000	30453.440	143737.490	3.297	65°21'21.78"			
	4.000	30455.180	143738.472	3.294	55°48'24.31"			
	6.000	30456.734	143739.728	3.267	46°15'26.84"			
	8.000	30458.057	143741.224	3.242	36°42'29.37"			
IP 2	8.585	30461.630	143739.527	3.236		R = -12.000	17.171	81°59'00.12"
	10.000	30459.113	143742.920	3.223	27°09'31.91"			
	12.000	30459.874	143744.767	3.212	17°36'34.44"			
	14.000	30460.318	143746.715	3.207	8°03'36.97"			
	16.000	30460.432	143748.709	3.210	358°30'39.50"			
IP 3	17.171	30460.345	143749.876	3.215	352°55'19.12"			

OUTRIDGE STREET (MC07) TO MEISSNER STREET (MC01) CONTROL LINE SETOUT POINTS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	30467.010	143756.065	3.244	179°46'41.03"			
	2.000	30467.217	143754.079	3.235	168°19'08.06"			
	4.000	30467.815	143752.174	3.227	156°51'35.10"			
	6.000	30468.779	143750.426	3.220	145°24'02.14"			
	8.000	30470.071	143748.903	3.215	133°56'29.18"			
IP 2	9.151	30467.060	143743.066	3.213		R = -10.000	18.302	104°51'40.62"
	10.000	30471.640	143747.668	3.211	122°28'56.22"			
	12.000	30473.423	143746.770	3.198	111°01'23.26"			
	14.000	30475.349	143746.243	3.174	99°33'50.30"			
	16.000	30477.341	143746.109	3.141	88°06'17.34"			
IP 3	18.000	30479.320	143746.374	3.096	76°38'44.37"			
	18.302	30479.612	143746.448	3.089	74°55'00.41"			

MEISSNER STREET (MC01) TO HAMILTON STREET (MC08) CONTROL LINE SETOUT POINTS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	30378.414	143713.564	5.714	56°04'52.51"			
	2.000	30379.951	143714.838	5.574	44°37'19.55"			
	4.000	30381.205	143716.392	5.396	33°09'46.59"			
	6.000	30382.125	143718.164	5.213	21°42'13.63"			
	6.388	30384.576	143717.708	5.192		R = -10.000	12.775	73°11'45.73"
IP 2	8.000	30382.674	143720.084	5.161	10°14'40.67"			
	10.000	30382.831	143722.074	5.256	358°47'07.71"			
	12.000	30382.590	143724.056	5.544	347°19'34.74"			
	12.775	30382.391	143724.805	5.661	342°53'06.78"			

HAMILTON STREET (MC08) TO MEISSNER STREET (MC01) CONTROL LINE SETOUT POINTS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	30388.724	143728.083	5.690	164°26'53.57"			
	2.000	30389.494	143726.242	5.367	150°07'27.37"			
	4.000	30390.696	143724.650	5.000	135°48'01.17"			
	6.000	30392.254	143723.405	4.611	121°28'34.97"			
IP 2	6.251	30390.852	143720.437	4.565		R = -8.000	12.503	89°32'34.33"
	8.000	30394.072	143722.583	4.298	107°09'08.77"			
	10.000	30396.036	143722.237	4.087	92°49'42.57"			
	12.000	30398.026	143722.388	3.896	78°30'16.37"			
IP 3	12.503	30398.515	143722.503	3.849	74°54'19.24"			

REVISIONS	ISSUE DATE
E	
D	
C	
B	
A	
0 ORIGINAL ISSUE	5/06/2025

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

PRELIMINARY
APPROVED:
RPEQ: 21977
APPROVED DATE: 5/06/2025

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

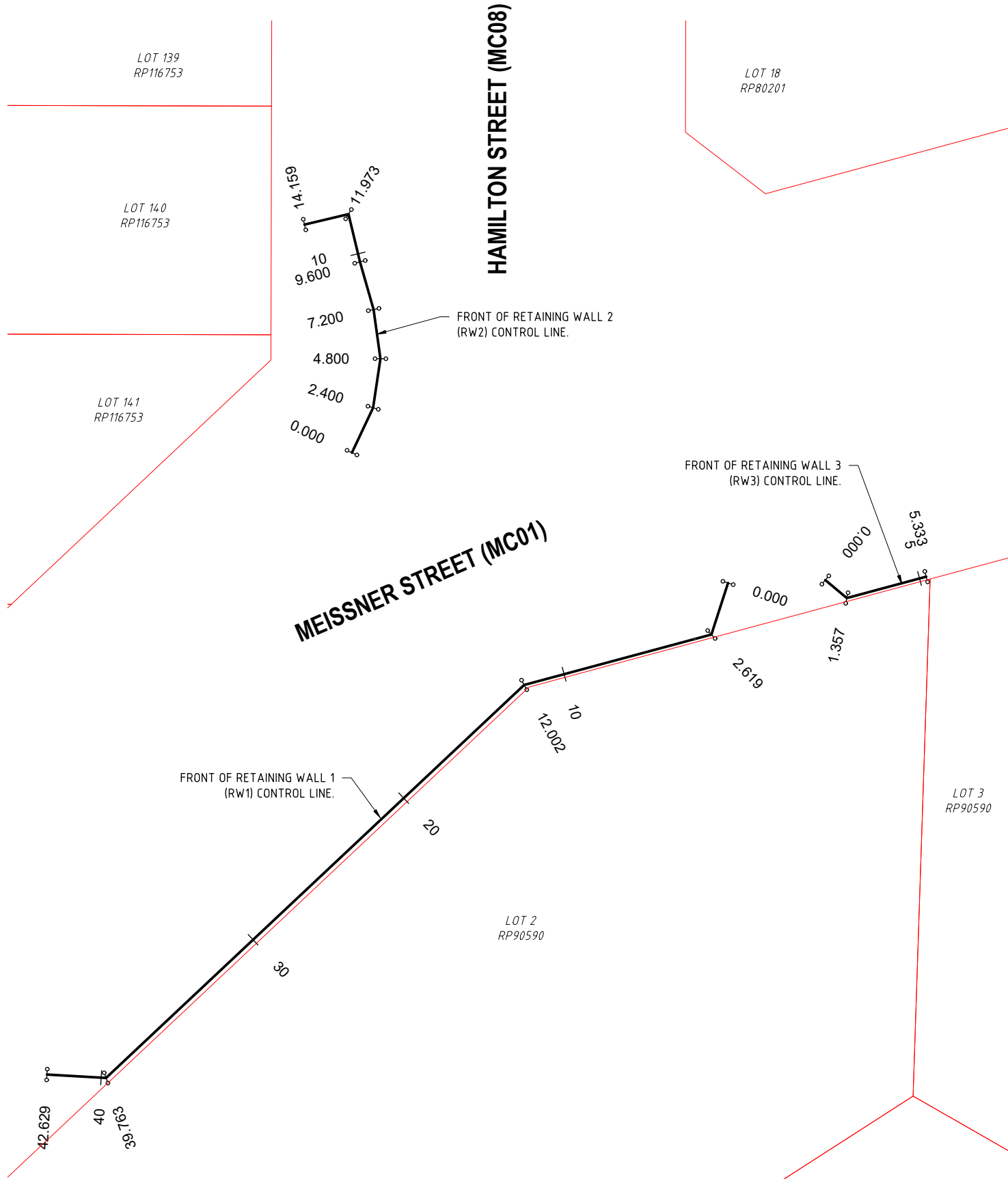
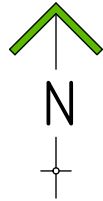


THIS DRAWING IS COPYRIGHT AND THE PROPERTY OF ENGINEERING SOLUTIONS QLD PTY LTD. IT MUST NOT BE RETAINED, COPIED OR USED WITHOUT THE AUTHORITY OF ENGINEERING SOLUTIONS QLD PTY LTD.

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.

THIS IS AN UNCONTROLLED DOCUMENT ISSUED FOR INFORMATION PURPOSES ONLY. UNLESS THE CHECKED SECTIONS ARE SIGNED OR COMPLETED, FIGURED DIMENSIONS TAKE PRECEDENCE OVER SCALED. DO NOT SCALE REDUCED SIZE DRAWINGS. VERIFY DIMENSIONS PRIOR TO COMMENCING ANY WORKS.

TITLE: CONTROL LINE SETOUT DATA - SHEET 2	A3
PROJECT: MEISSNER STREET EXTENSION WORKS	No. 4 of 26 DRAWINGS
WEINAM CREEK REDLAND BAY	Job No. FC-25-021
FOR REDLAND INVESTMENT CORPORATION PTY LTD	DWG No. C-0004
	0 A B C D E



RETAINING WALL 1 (RW1) CONTROL LINE SETOUT POINTS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING
IP 1	0.000	30398.053	143710.971	4.253	197°53'39.39"
IP 2	2.619	30397.248	143708.479	4.652	
	5.000	30394.949	143707.860	5.053	254°56'03.94"
	10.000	30390.120	143706.560	5.452	254°56'03.94"
IP 3	12.002	30388.187	143706.040	5.652	
	15.000	30386.002	143703.987	5.853	226°46'54.69"
	20.000	30382.359	143700.563	6.253	226°46'54.69"
	25.000	30378.715	143697.140	6.452	226°46'54.69"
	30.000	30375.071	143693.716	6.452	226°46'54.69"
	35.000	30371.427	143690.292	6.452	226°46'54.69"
IP 4	39.763	30367.956	143687.030	6.452	
	40.000	30367.720	143687.044	6.452	273°17'36.52"
IP 5	42.629	30365.095	143687.195	6.452	273°17'36.52"

RETAINING WALL 2 (RW2) CONTROL LINE SETOUT POINTS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING
IP 1	0.000	30379.854	143717.275	5.290	25°15'32.16"
IP 2	2.400	30380.878	143719.446	5.290	
IP 3	4.800	30381.234	143721.818	5.290	
	5.000	30381.206	143722.017	5.290	352°05'05.05"
IP 4	7.200	30380.903	143724.196	5.373	
IP 5	9.600	30380.242	143726.503	5.490	
	10.000	30380.149	143726.892	5.890	346°27'45.72"
IP 6	11.973	30379.687	143728.810	5.890	
IP 7	14.159	30377.559	143728.306		256°41'05.88"

RETAINING WALL 3 (RW3) CONTROL LINE SETOUT POINTS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING
IP 1	0.000	30402.761	143711.113	3.800	129°50'49.24"
IP 2	1.357	30403.803	143710.243	3.800	
	5.000	30407.320	143711.190	3.600	74°56'03.45"
IP 3	5.333	30407.642	143711.277		74°56'03.45"

REVISIONS	ISSUE DATE
E	
D	
C	
B	
A	
0	ORIGINAL ISSUE

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

PRELIMINARY
APPROVED:
RPEQ: 21977
APPROVED DATE: 5/06/2025

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.

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.

THIS IS AN UNCONTROLLED DOCUMENT ISSUED FOR INFORMATION PURPOSES ONLY, UNLESS THE CHECKED SECTIONS ARE SIGNED OR COMPLETED. FIGURED DIMENSIONS TAKE PRECEDENCE OVER SCALED, DO NOT SCALE REDUCED SIZE DRAWINGS. VERIFY DIMENSIONS PRIOR TO COMMENCING ANY WORKS.

TITLE: CONTROL LINE SETOUT DATA - SHEET 3		A3	
PROJECT: MEISSNER STREET EXTENSION WORKS		No. 5 of 26 DRAWINGS	
WEINAM CREEK REDLAND BAY		Job No. FC-25-021	DWG No. C-0005
FOR REDLAND INVESTMENT CORPORATION PTY LTD		O	A B C D E

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 R.C.C, TMR & IPWEAQ 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 SEEDD UNLESS NOTED OTHERWISE.

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:

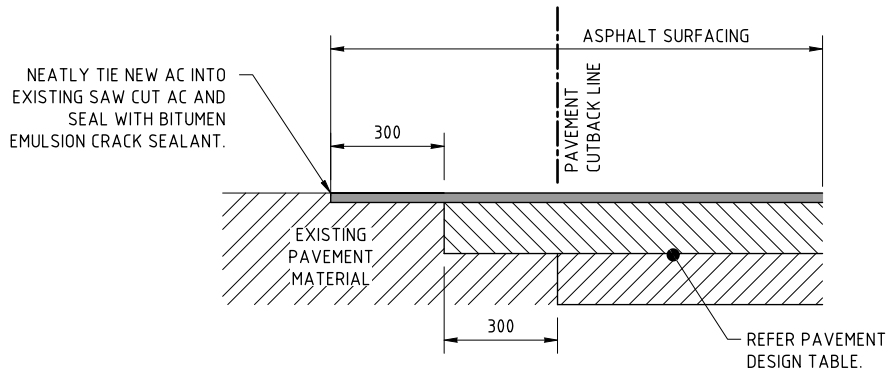
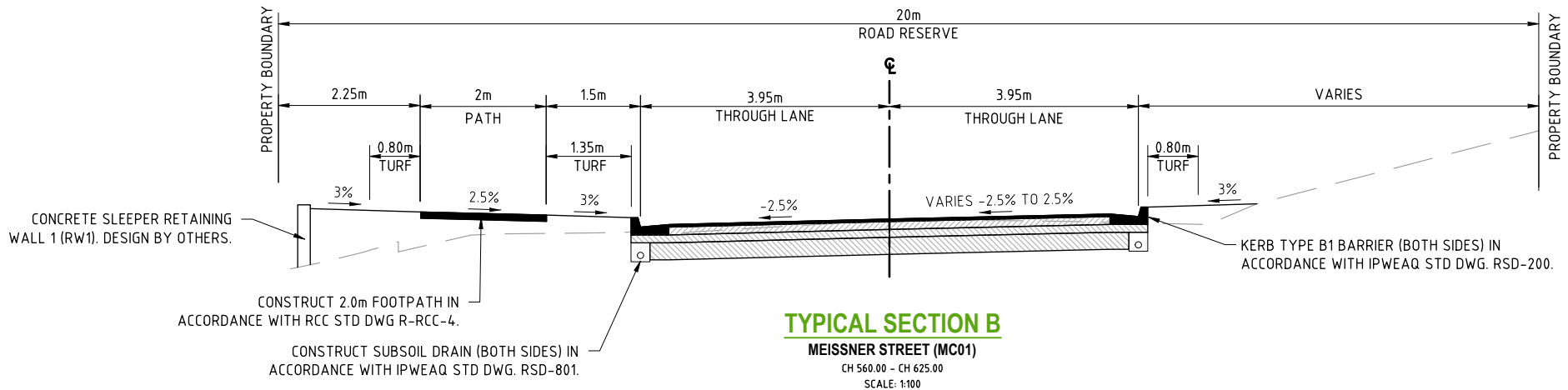
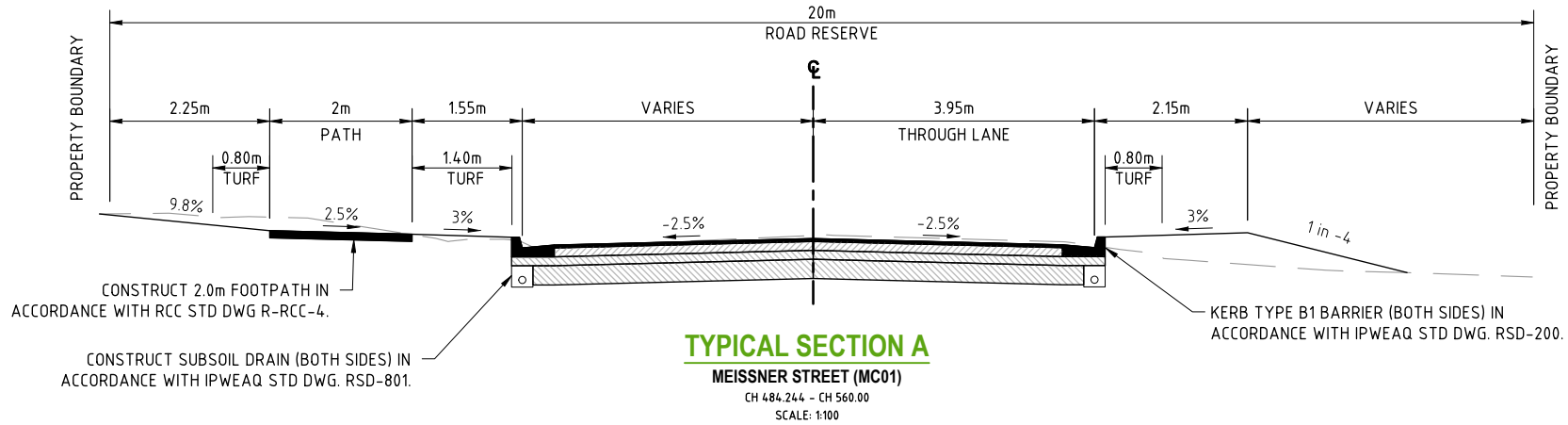
1. PAVEMENT DESIGN NOMINATED ON THESE DRAWINGS HAS BEEN BASED ON DOUGLAS PARTNERS PAVEMENT THICKNESS DESIGN REPORT DATED 25TH JULY 2022.
2. NOTIFY ALL RELEVANT AUTHORITIES PRIOR TO COMMENCEMENT OF WORK WITHIN EXISTING ROAD RESERVES.

PAVEMENT DESIGN TABLE

ROAD	PAVEMENT
MEISSNER STREET (MC01)	AC10M-30mm ASPHALT WITH PRIMER SEAL (C170 WITH 7mm CHIP -ALD 5mm) 135mm BASE TYPE 2.1C 385mm SUBBASE TYPE 2.3C GEOTEXTILE FABRIC (BIDIM A34 OR EQUIVALENT)
OUTRIDGE STREET (MC07) HAMILTON STREET (MC08)	AC10M-30mm ASPHALT WITH PRIMER SEAL (C170 WITH 7mm CHIP -ALD 5mm) 125mm BASE TYPE 2.1C 165mm SUBBASE TYPE 2.3C GEOTEXTILE FABRIC (BIDIM A34 OR EQUIVALENT)

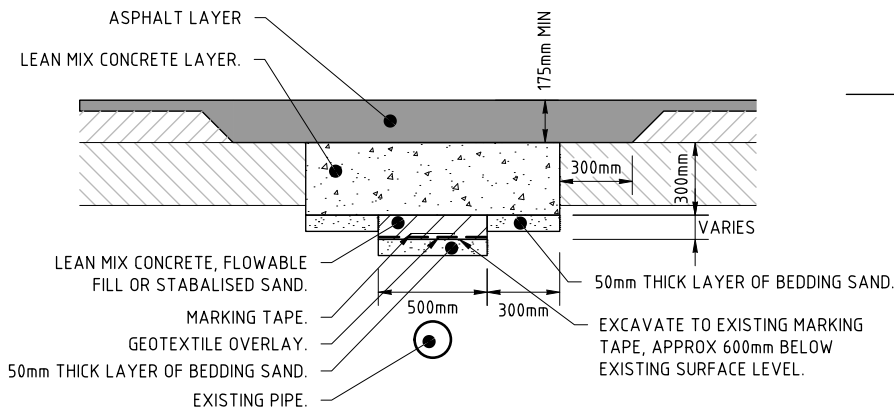
TURFING NOTE:

PROVIDE A 0.8m (MIN) TURF STRIP BEHIND ALL KERB AND AS LOCATED ON THE EROSION & SEDIMENT CONTROL DRAWING, REFER DWG C-0703



TYPICAL CUTBACK DETAIL

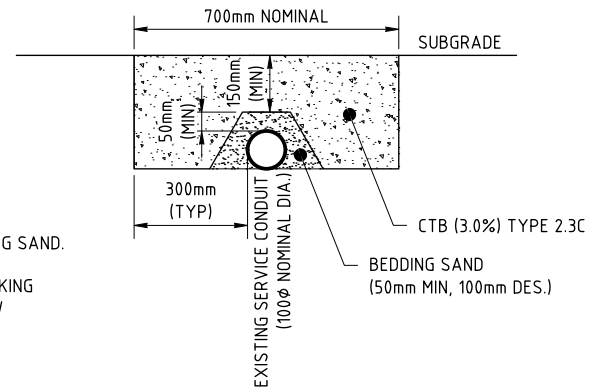
DIMENSIONS ARE IN MILLIMETRES
NTS



REFER SEQ STD DWGS WAT-1201-1, WAT-1204-1, SEW-1201-1 & SEW-1205-1 FOR DETAILS.

TYPICAL WATER AND SEWER PROTECTION DETAIL

DIMENSIONS ARE IN MILLIMETRES
NTS



TYPICAL ELECTRICAL AND TELECOM SERVICE PROTECTION DETAIL

DIMENSIONS ARE IN MILLIMETRES
NTS

REVISIONS	ISSUE DATE
E	
D	
C	
B	
A	
0 ORIGINAL ISSUE	5/06/2025

SCALE:
VARIES
DO NOT SCALE FROM PLAN

PRELIMINARY
APPROVED:
RPEQ: 21977
APPROVED DATE: 5/06/2025

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

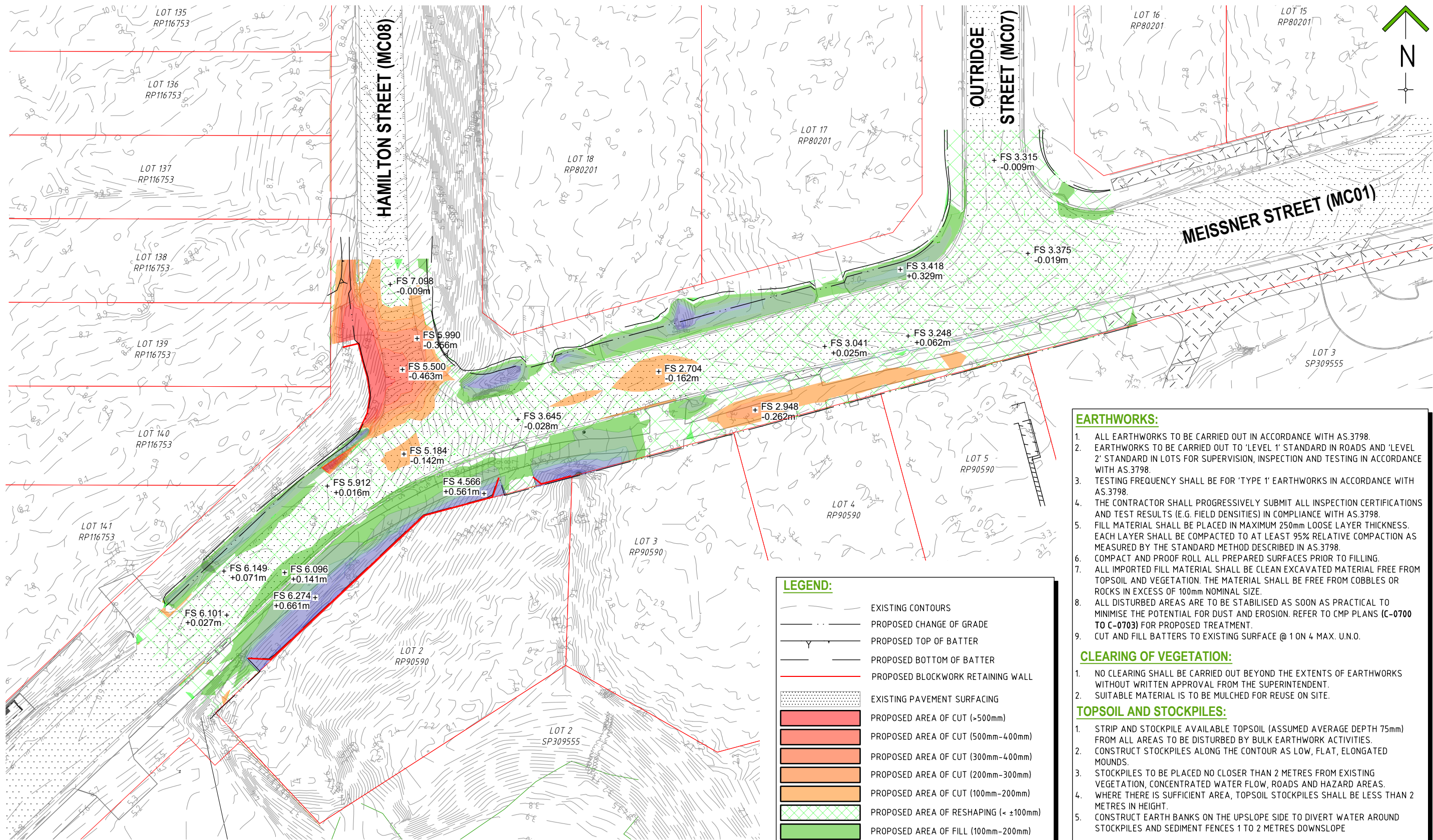


THIS DRAWING IS COPYRIGHT AND THE PROPERTY OF ENGINEERING SOLUTIONS QLD PTY LTD. IT MUST NOT BE RETAINED, COPIED OR USED WITHOUT THE AUTHORITY OF ENGINEERING SOLUTIONS QLD PTY LTD.

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.

THIS IS AN UNCONTROLLED DOCUMENT ISSUED FOR INFORMATION PURPOSES ONLY. UNLESS THE CHECKED SECTIONS ARE SIGNED OR COMPLETED, FIGURED DIMENSIONS TAKE PRECEDENCE OVER SCALED. DO NOT SCALE REDUCED SIZE DRAWINGS. VERIFY DIMENSIONS PRIOR TO COMMENCING ANY WORKS.

TITLE: TYPICAL SECTIONS & STANDARD NOTES	A3
PROJECT: MEISSNER STREET EXTENSION WORKS WEINAM CREEK REDLAND BAY FOR REDLAND INVESTMENT CORPORATION PTY LTD	No. 6 of 26 DRAWINGS Job No. FC-25-021 DWG No. C-0006
	0 A B C D E



CONTOUR & LEVEL NOTES:

- CONTOURS SHOWN DEPICT EXISTING SURFACE AND ARE AT 0.1m INTERVALS.
- LEVELS SHOWN ARE PROPOSED FINISHED SURFACE LEVELS.

LEGEND:

- EXISTING CONTOURS
- PROPOSED CHANGE OF GRADE
- PROPOSED TOP OF BATTER
- PROPOSED BOTTOM OF BATTER
- PROPOSED BLOCKWORK RETAINING WALL
- EXISTING PAVEMENT SURFACING
- PROPOSED AREA OF CUT (>500mm)
- PROPOSED AREA OF CUT (500mm-400mm)
- PROPOSED AREA OF CUT (300mm-400mm)
- PROPOSED AREA OF CUT (200mm-300mm)
- PROPOSED AREA OF CUT (100mm-200mm)
- PROPOSED AREA OF RESHAPING (< ±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)
- PROPOSED AREA OF FILL (>500mm)

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-0700 TO C-0703) FOR PROPOSED TREATMENT.
- CUT AND FILL BATTERS TO EXISTING SURFACE @ 1 ON 4 MAX. U.N.O.

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 75mm) 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

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	
O	ORIGINAL ISSUE

SCALE:
0 5 10 15
SCALE 1:500 (m)
DO NOT SCALE FROM PLAN

PRELIMINARY
APPROVED:
RPEQ: 21977
APPROVED DATE: 5/06/2025

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

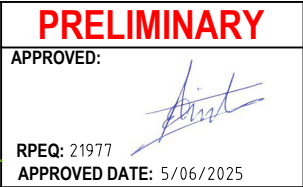


THIS DRAWING IS COPYRIGHT AND THE PROPERTY OF ENGINEERING SOLUTIONS QLD PTY LTD. IT MUST NOT BE RETAINED, COPIED OR USED WITHOUT THE AUTHORITY OF ENGINEERING SOLUTIONS QLD PTY LTD.

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.

THIS IS AN UNCONTROLLED DOCUMENT ISSUED FOR INFORMATION PURPOSES ONLY, UNLESS THE CHECKED SECTIONS ARE SIGNED OR COMPLETED, FIGURED DIMENSIONS TAKE PRECEDENCE OVER SCALED, DO NOT SCALE REDUCED SIZE DRAWINGS. VERIFY DIMENSIONS PRIOR TO COMMENCING ANY WORKS.

TITLE: BULK EARTHWORKS PLAN	A3
PROJECT: MEISSNER STREET EXTENSION WORKS	No. 7 of 26 DRAWINGS
WEINAM CREEK REDLAND BAY	Job No. FC-25-021
FOR REDLAND INVESTMENT CORPORATION PTY LTD	DWG No. C-0100
	O A B C D E





PRELIMINARY

APPROVED: 

RPEQ: 21977

APPROVED DATE: 5/06/2025



TITLE: RETAINING WALL LONGITUDINAL SECTIONS													A3						
PROJECT: MEISSNER STREET EXTENSION WORKS WEINAM CREEK REDLAND BAY FOR REDLAND INVESTMENT CORPORATION PTY LTD										No. 9 of 26 DRAWINGS									
										Job No. FC-25-021					DWG No. C-0102				
										O	A	B	C	D	E				

LEGEND:

	EXISTING LOT BOUNDARY
	EXISTING CONTOURS
	EXISTING BOTTOM OF BATTER
	EXISTING TOP OF BATTER
	EXISTING CHANGE OF GRADE
	EXISTING EDGE OF BITUMEN
	EXISTING KERB AND CHANNEL
	EXISTING PAVEMENT SURFACING
	EXISTING CONCRETE
	EXISTING DRAINAGE PIPE
	EXISTING SEWER MAIN
	EXISTING WATERMAIN
	EXISTING FIRE HYDRANT
	EXISTING STOP/SLUICE VALVE
	EXISTING TELCOM LINE & STRUCTURE
	EXISTING UNDERGROUND ELECTRICITY LINE
	EXISTING OVER HEAD ELECTRICITY LINE
	EXISTING POWERPOLE
	PROPOSED CUTBACK LINE
	PROPOSED MAJOR CONTOURS
	PROPOSED MINOR CONTOURS
	PROPOSED BOTTOM OF BATTER
	PROPOSED TOP OF BATTER
	PROPOSED CHANGE OF GRADE
	PROPOSED KERB AND CHANNEL
	PROPOSED CONCRETE EDGE LINE
	PROPOSED PAVEMENT SURFACING
	PROPOSED CONCRETE
	PROPOSED ROCK
	PROPOSED DRAINAGE LINE
	PROPOSED DRAINAGE STRUCTURE
	PROPOSED DRAINAGE STRUCTURE NUMBER
	PROPOSED ROAD SIGNAGE
	EXISTING TREE TO REMAIN
	EXISTING TREE TO BE REMOVED

NOTES:

- ALL BOUNDARIES SHOWN ON THIS PLAN ARE SUBJECT TO FINAL SURVEY.
- CONTOURS SHOWN DEPICT DESIGN SURFACE AND ARE AT 0.1m INTERVALS.
- FOR LINE MARKING AND SIGNAGE DETAILS REFER DRAWING C-0203.
- FOR DRAINAGE DETAILS REFER 300 SERIES DRAWINGS.

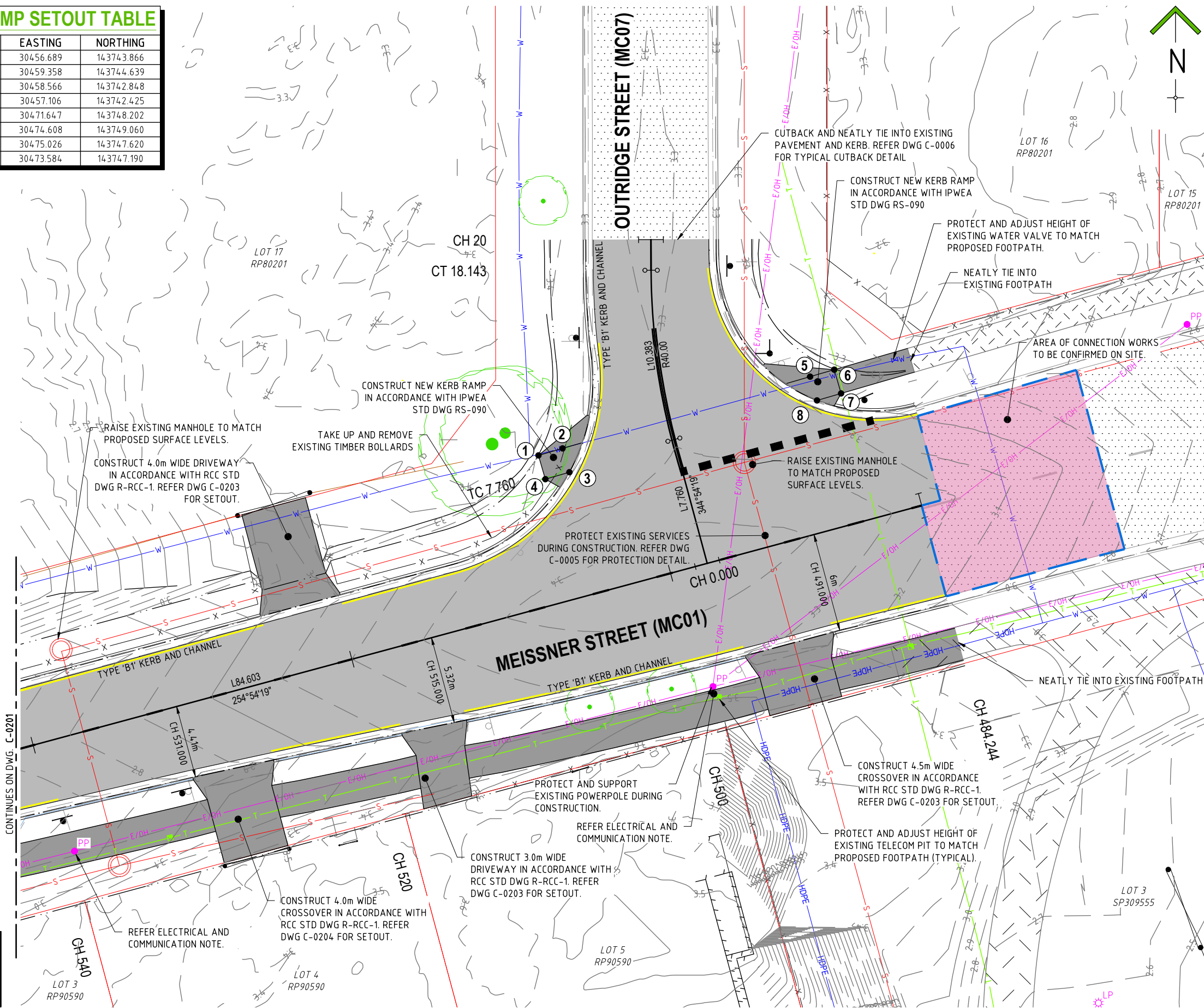
ELECTRICAL AND COMMUNICATION NOTE:

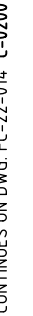
REFER TO THE PE CONSULTING ENGINEERS DRAWING FOR ELECTRICAL & COMMUNICATION DEMOLITION AND RELOCATION PLAN.

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.

KERB RAMP SETOUT TABLE

POINT ID	EASTING	NORTHING
1	30456.689	143743.866
2	30459.358	143744.639
3	30458.566	143742.848
4	30457.106	143742.425
5	30471.647	143748.202
6	30474.608	143749.060
7	30475.026	143747.620
8	30473.584	143747.190





- ELECTRICAL AND COMMUNICATION NOTE:**
REFER TO THE PE CONSULTING ENGINEERS DRAWING FOR ELECTRICAL
& COMMUNICATION DEMOLITION AND RELOCATION PLAN.

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.

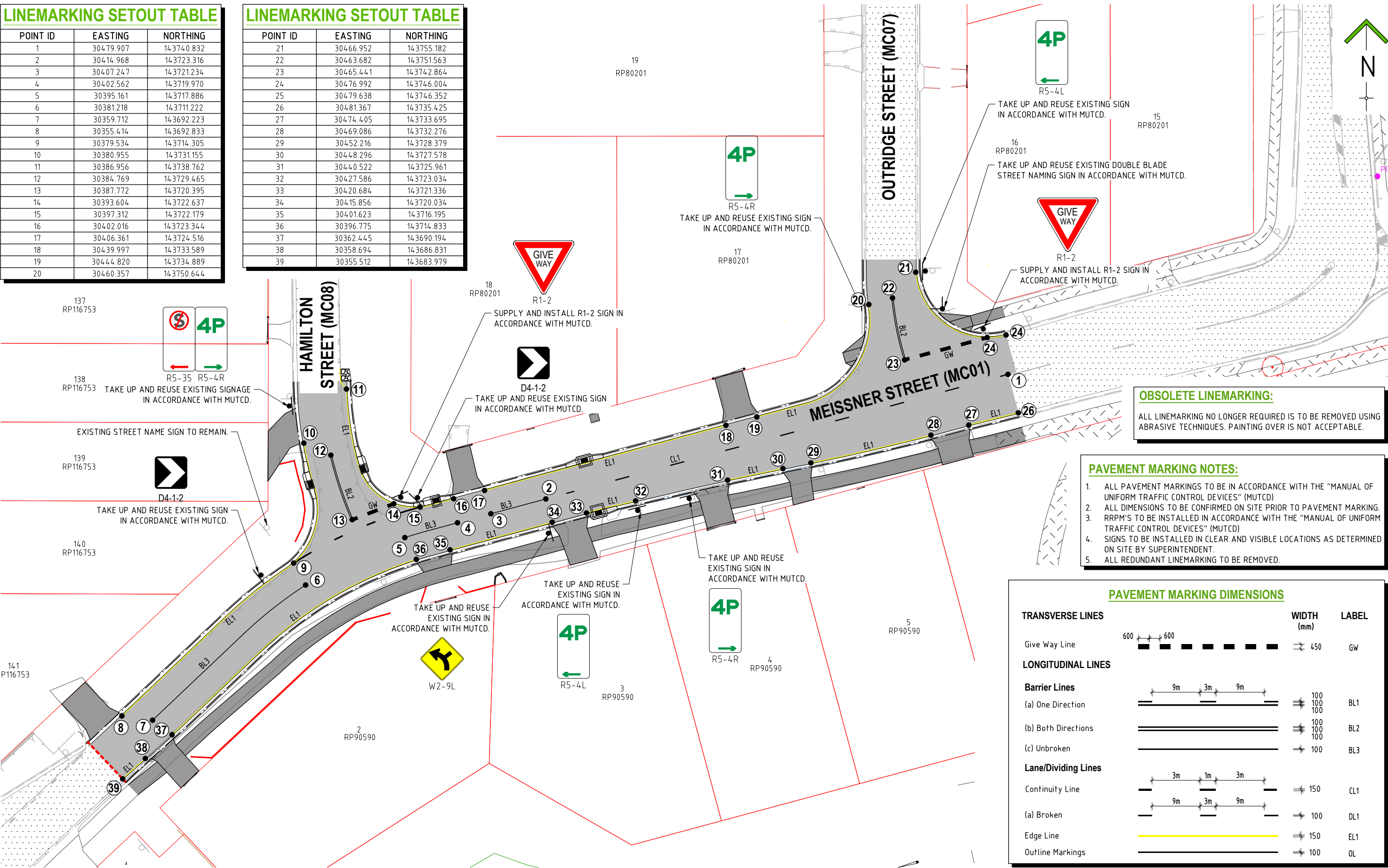
REVISIONS		ISSUE DATE	SCALE:	PRELIMINARY		ENGINEERING SOLUTIONS QLD.		 THIS DRAWING IS COPYRIGHT AND THE PROPERTY OF ENGINEERING SOLUTIONS QLD PTY LTD. IT MUST NOT BE RETAINED, COPIED OR USED WITHOUT THE AUTHORITY OF ENGINEERING SOLUTIONS QLD. PTY LTD.		TITLE: DESIGN DETAIL - SHEET 2		A3
E			 SCALE 1:250 (m)	APPROVED:		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		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.		PROJECT: No. 11 of 26 DRAWINGS		
D				RPEQ: 21977		E: admin@engineeringsolutionsqld.com.au W: www.engineeringsolutionsqld.com.au		THIS IS AN UNCONTROLLED DOCUMENT ISSUED FOR INFORMATION PURPOSES ONLY, UNLESS THE CHECKED SECTIONS ARE SIGNED OR COMPLETED, FIGURED DIMENSIONS TAKE PRECEDENCE OVER SCALED, DO NOT SCALE REDUCED SIZE DRAWINGS. VERIFY DIMENSIONS PRIOR TO COMMENCING ANY WORKS.		Job No. DWG No.		
C				APPROVED DATE: 5/06/2025		CLIENTS - SERVICE - SOLUTIONS				FC-25-021 C-0201		
B												
A												
ORIGINAL ISSUE		5/06/2025	DO NOT SCALE FROM PLAN							O A B C D E		

LINEMARKING SETOUT TABLE

POINT ID	EASTING	NORTHING
1	30479.907	143740.832
2	30414.968	143723.316
3	30407.247	143721.234
4	30402.562	143719.970
5	30395.161	143717.886
6	30381.218	143711.222
7	30359.712	143692.223
8	30355.414	143692.833
9	30379.534	143714.305
10	30380.955	143731.155
11	30386.956	143738.762
12	30384.769	143729.465
13	30387.772	143720.395
14	30393.604	143722.637
15	30397.312	143722.179
16	30402.016	143723.344
17	30406.361	143724.516
18	30439.997	143733.589
19	30444.820	143734.889
20	30460.357	143750.644

LINEMARKING SETOUT TABLE

POINT ID	EASTING	NORTHING
21	30466.952	143755.182
22	30463.682	143751.563
23	30465.441	143742.864
24	30476.992	143746.004
25	30479.638	143746.352
26	30481.367	143735.425
27	30474.405	143733.695
28	30469.086	143732.276
29	30452.216	143728.379
30	30448.296	143727.578
31	30440.522	143725.961
32	30427.586	143723.034
33	30420.684	143721.336
34	30415.856	143720.034
35	30401.623	143716.195
36	30396.775	143714.833
37	30362.445	143690.194
38	30358.694	143686.831
39	30355.512	143683.979



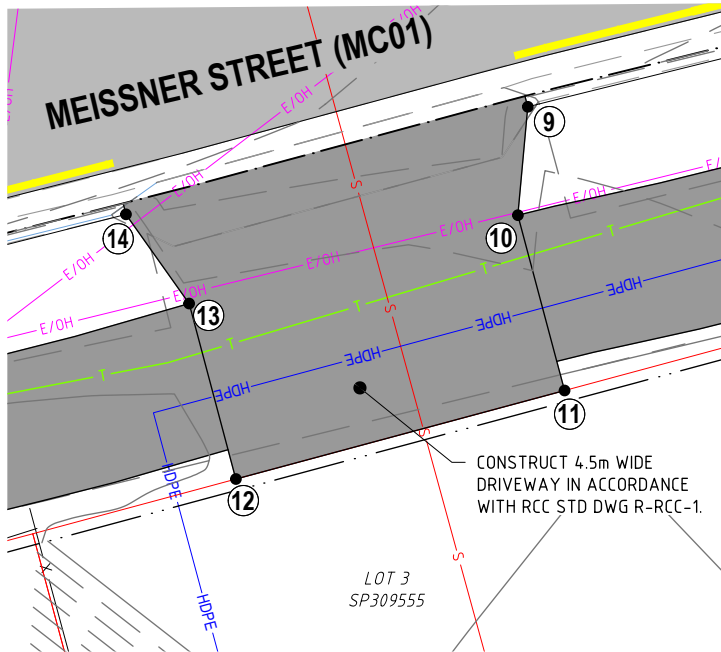
OBSOLETE LINEMARKING:
ALL LINEMARKING NO LONGER REQUIRED IS TO BE REMOVED USING ABRASIVE TECHNIQUES. PAINTING OVER IS NOT ACCEPTABLE.

- PAVEMENT MARKING NOTES:**
- ALL PAVEMENT MARKINGS TO BE IN ACCORDANCE WITH THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD)
 - ALL DIMENSIONS TO BE CONFIRMED ON SITE PRIOR TO PAVEMENT MARKING.
 - RRPM'S TO BE INSTALLED IN ACCORDANCE WITH THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD)
 - SIGNS TO BE INSTALLED IN CLEAR AND VISIBLE LOCATIONS AS DETERMINED ON SITE BY SUPERINTENDENT.
 - ALL REDUNDANT LINEMARKING TO BE REMOVED.

PAVEMENT MARKING DIMENSIONS

TRANSVERSE LINES		WIDTH (mm)	LABEL
Give Way Line	600 600	450	GW
LONGITUDINAL LINES			
Barrier Lines			
(a) One Direction	9m 3m 9m	100 100 100	BL1
(b) Both Directions		100 100 100	BL2
(c) Unbroken		100	BL3
Lane/Dividing Lines			
Continuity Line	3m 1m 3m	150	CL1
(a) Broken	9m 3m 9m	100	DL1
Edge Line		150	EL1
Outline Markings		100	OL

REVISIONS	ISSUE DATE	SCALE:	PRELIMINARY	ENGINEERING SOLUTIONS QLD.	TITLE: SIGNAGE & LINEMARKING	A3
E			APPROVED:	4/31 MAIN STREET PIALBA	PROJECT:	No. 12 of 26 DRAWINGS
D				PO Box 1050, HERVEY BAY QLD. 4655	MEISSNER STREET EXTENSION WORKS	Job No.
C				T: 07 41941550	WEINAM CREEK REDLAND BAY	DWG No.
B				E: admin@engineeringsolutionsqld.com.au	FOR REDLAND INVESTMENT CORPORATION PTY LTD	FC-25-021 C-0202
A				W: www.engineeringsolutionsqld.com.au		
0 ORIGINAL ISSUE	5/06/2025	DO NOT SCALE FROM PLAN	RPEQ: 21977 APPROVED DATE: 5/06/2025	CLIENTS - SERVICE - SOLUTIONS		

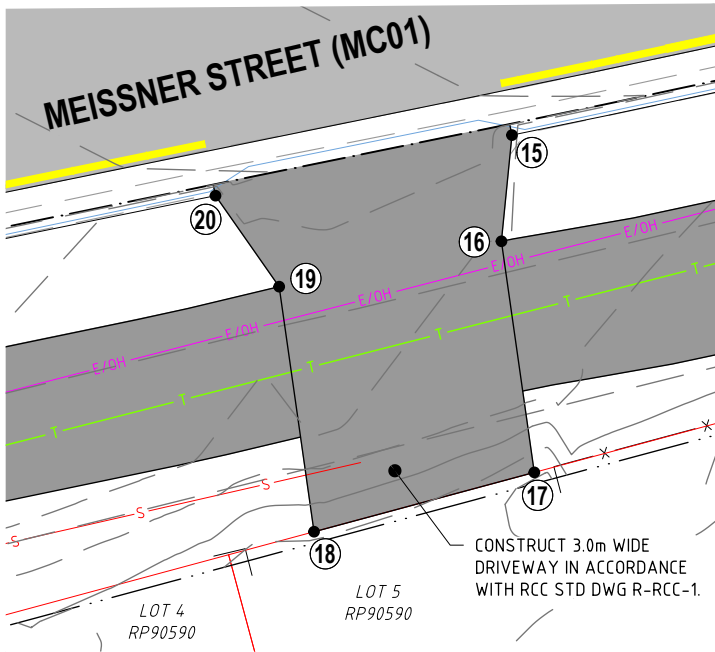


12 MEISSNER STREET

SCALE 1:100

DRIVEWAY SETOUT TABLE

POINT ID	EASTING	NORTHING
9	30474.574	143733.020
10	30474.443	143731.587
11	30475.060	143729.269
12	30470.713	143728.098
13	30470.095	143730.417
14	30469.259	143731.598

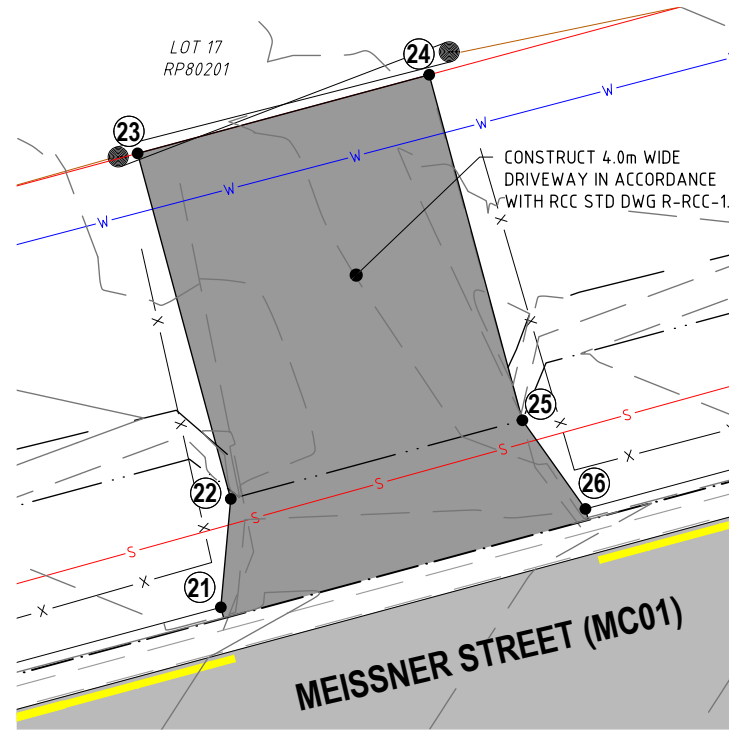


14 MEISSNER STREET

SCALE 1:100

DRIVEWAY SETOUT TABLE

POINT ID	EASTING	NORTHING
15	30452.357	143727.694
16	30452.218	143726.290
17	30452.653	143723.234
18	30449.739	143722.450
19	30449.278	143725.690
20	30448.436	143726.893

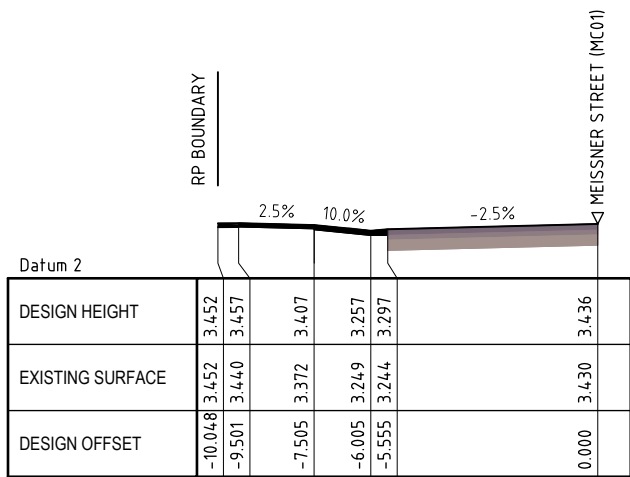


15 MEISSNER STREET

SCALE 1:100

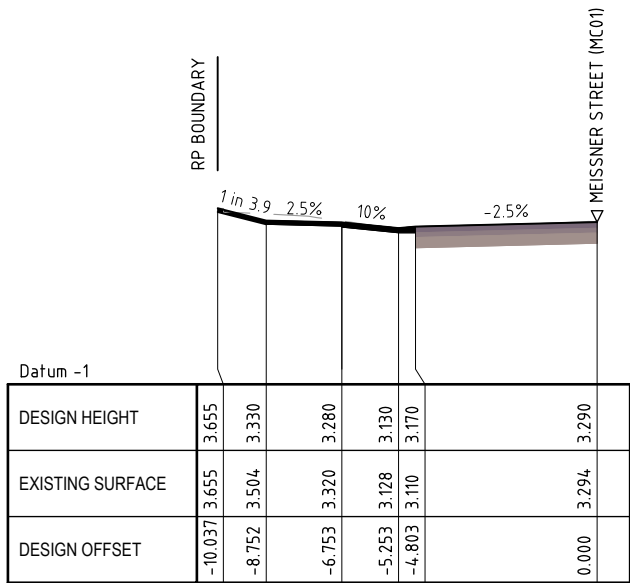
DRIVEWAY SETOUT TABLE

POINT ID	EASTING	NORTHING
21	30439.815	143734.264
22	30439.946	143735.698
23	30438.714	143740.267
24	30442.571	143741.307
25	30443.804	143736.738
26	30444.638	143735.565



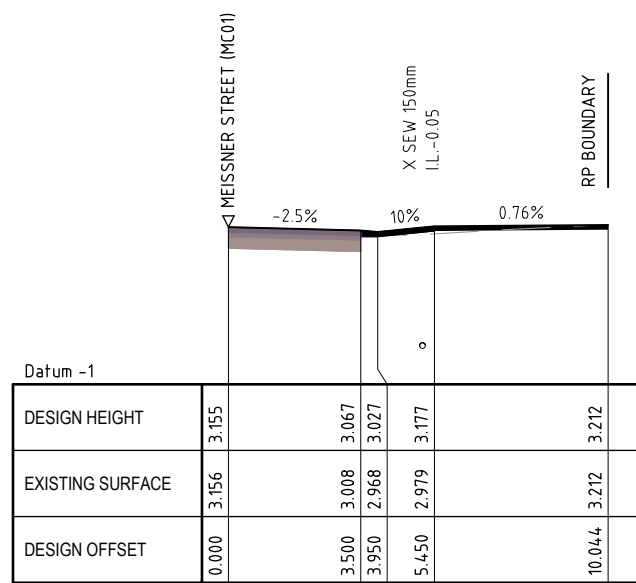
12 MEISSNER STREET

SCALE 1:200



14 MEISSNER STREET

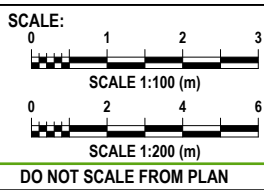
SCALE 1:200



15 MEISSNER STREET

SCALE 1:200

REVISIONS	ISSUE DATE
E	
D	
C	
B	
A	
O	ORIGINAL ISSUE
	5/06/2025



PRELIMINARY

APPROVED:

RPEQ: 21977

APPROVED DATE: 5/06/2025

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

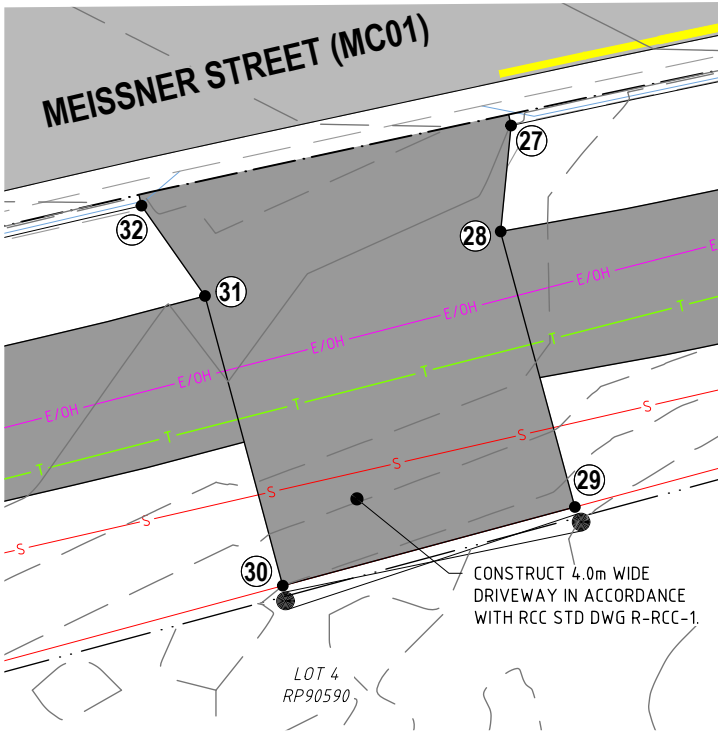


THIS DRAWING IS COPYRIGHT AND THE PROPERTY OF ENGINEERING SOLUTIONS QLD PTY LTD. IT MUST NOT BE RETAINED, COPIED OR USED WITHOUT THE AUTHORITY OF ENGINEERING SOLUTIONS QLD PTY LTD.

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.

THIS IS AN UNCONTROLLED DOCUMENT ISSUED FOR INFORMATION PURPOSES ONLY. UNLESS THE CHECKED SECTIONS ARE SIGNED OR COMPLETED, FIGURED DIMENSIONS TAKE PRECEDENCE OVER SCALED. DO NOT SCALE REDUCED SIZE DRAWINGS. VERIFY DIMENSIONS PRIOR TO COMMENCING ANY WORKS.

TITLE: DRIVEWAY SETOUT AND SECTIONS - SHEET 1		A3
PROJECT: MEISSNER STREET EXTENSION WORKS WEINAM CREEK REDLAND BAY FOR REDLAND INVESTMENT CORPORATION PTY LTD		No. 13 of 26 DRAWINGS
		Job No. FC-25-021 DWG No. C-0203
		O A B C D E

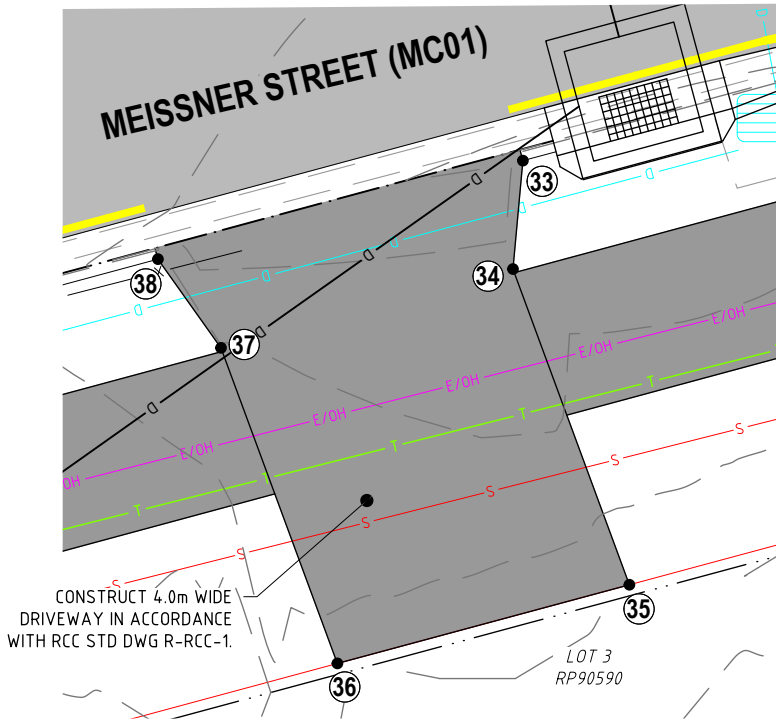


16 MEISSNER STREET

SCALE 1:100

DRIVEWAY SETOUT TABLE

POINT ID	EASTING	NORTHING
27	30440.670	143725.278
28	30440.533	143723.878
29	30441.514	143720.234
30	30437.650	143719.194
31	30436.621	143723.025
32	30435.781	143724.218

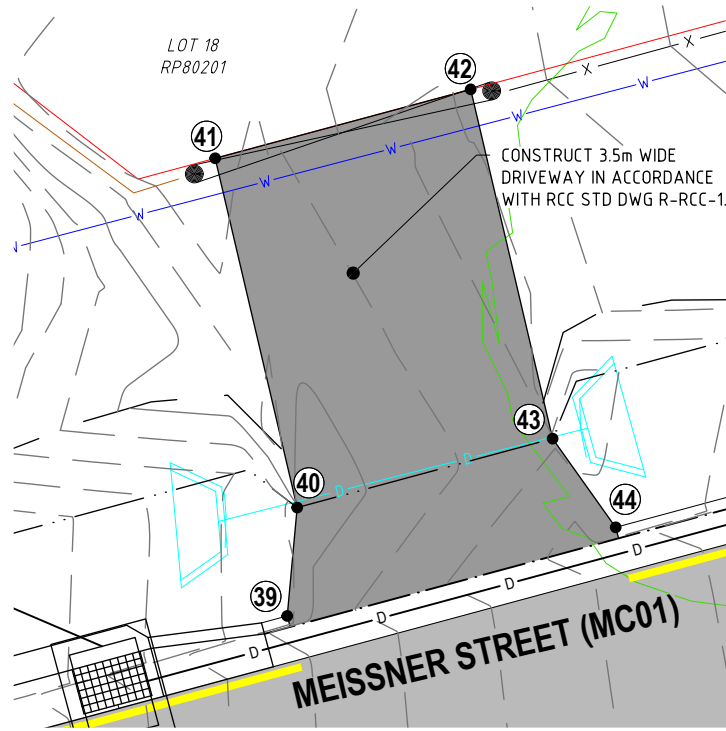


18 MEISSNER STREET

SCALE 1:100

DRIVEWAY SETOUT TABLE

POINT ID	EASTING	NORTHING
33	30420.866	143720.661
34	30420.735	143719.227
35	30422.275	143715.053
36	30418.413	143714.012
37	30416.873	143718.185
38	30416.039	143719.358

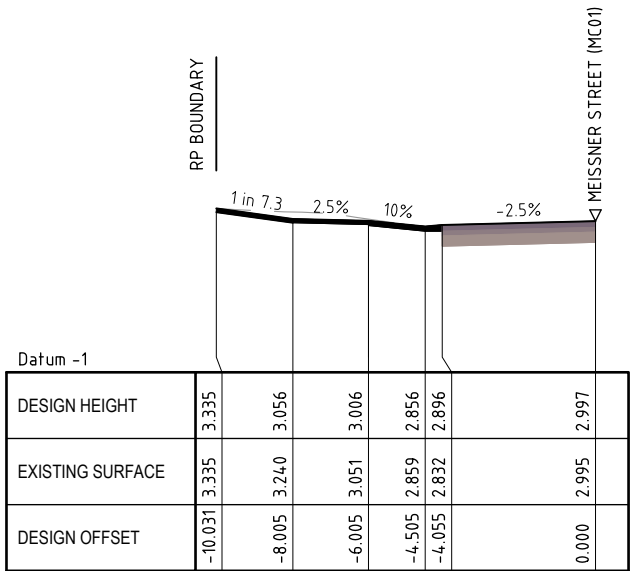


17 MEISSNER STREET

SCALE 1:100

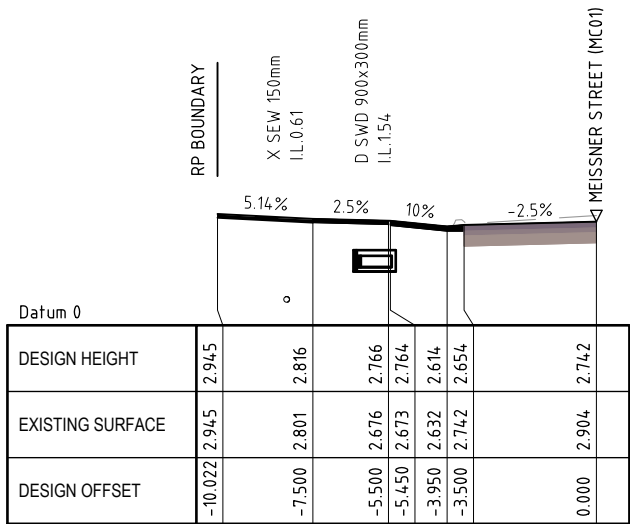
DRIVEWAY SETOUT TABLE

POINT ID	EASTING	NORTHING
39	30401.834	143724.021
40	30401.966	143725.454
41	30400.881	143730.072
42	30404.261	143730.983
43	30405.345	143726.365
44	30406.179	143725.192



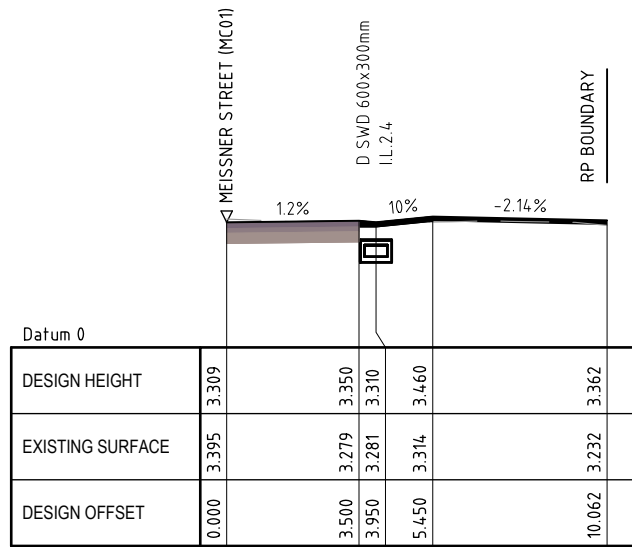
16 MEISSNER STREET

SCALE 1:200



18 MEISSNER STREET

SCALE 1:200



17 MEISSNER STREET

SCALE 1:200

REVISIONS	ISSUE DATE
E	
D	
C	
B	
A	
0 ORIGINAL ISSUE	5/06/2025

SCALE:
0 1 2 3
SCALE 1:100 (m)
0 2 4 6
SCALE 1:200 (m)
DO NOT SCALE FROM PLAN

PRELIMINARY
APPROVED:
RPEQ: 21977
APPROVED DATE: 5/06/2025

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

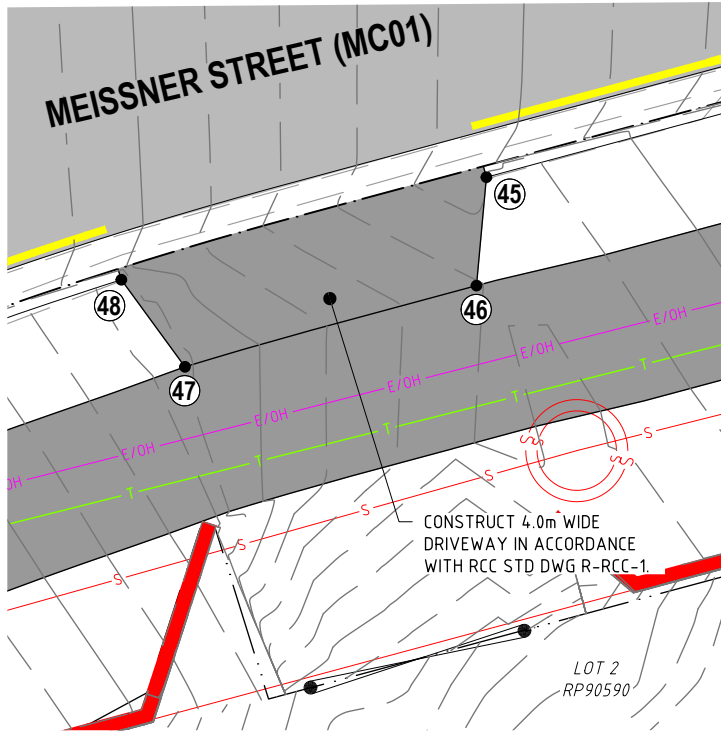


THIS DRAWING IS COPYRIGHT AND THE PROPERTY OF ENGINEERING SOLUTIONS QLD PTY LTD. IT MUST NOT BE RETAINED, COPIED OR USED WITHOUT THE AUTHORITY OF ENGINEERING SOLUTIONS QLD PTY LTD.

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.

THIS IS AN UNCONTROLLED DOCUMENT ISSUED FOR INFORMATION PURPOSES ONLY. UNLESS THE CHECKED SECTIONS ARE SIGNED OR COMPLETED, FIGURED DIMENSIONS TAKE PRECEDENCE OVER SCALED, DO NOT SCALE REDUCED SIZE DRAWINGS. VERIFY DIMENSIONS PRIOR TO COMMENCING ANY WORKS.

TITLE: DRIVEWAY SETOUT AND SECTIONS - SHEET 2	A3
PROJECT: MEISSNER STREET EXTENSION WORKS WEINAM CREEK REDLAND BAY FOR REDLAND INVESTMENT CORPORATION PTY LTD	No. 14 of 26 DRAWINGS
	Job No. FC-25-021
	DWG No. C-0204
	0 A B C D E

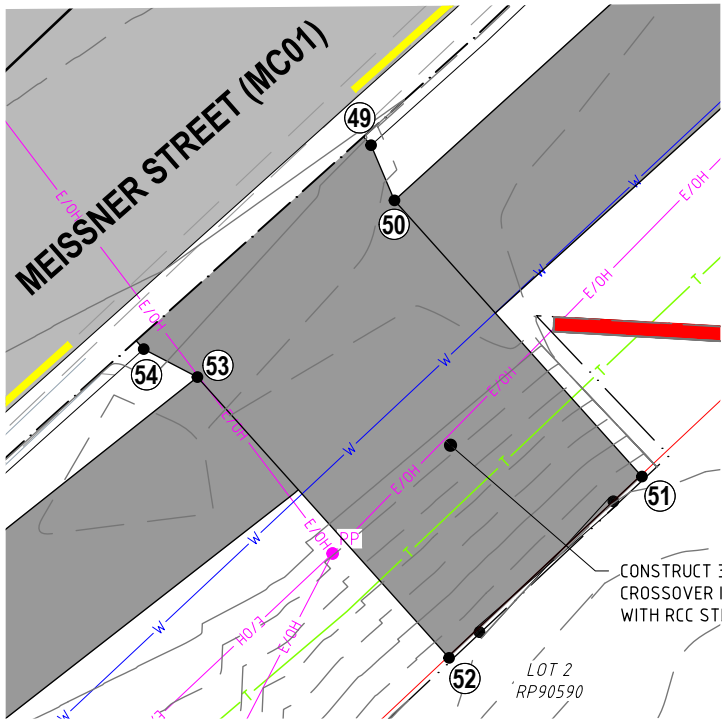


20 MEISSNER STREET

SCALE 1:100

DRIVEWAY SETOUT TABLE

POINT ID	EASTING	NORTHING
45	30401.810	143715.521
46	30401.679	143714.087
47	30397.822	143713.013
48	30396.981	143714.165

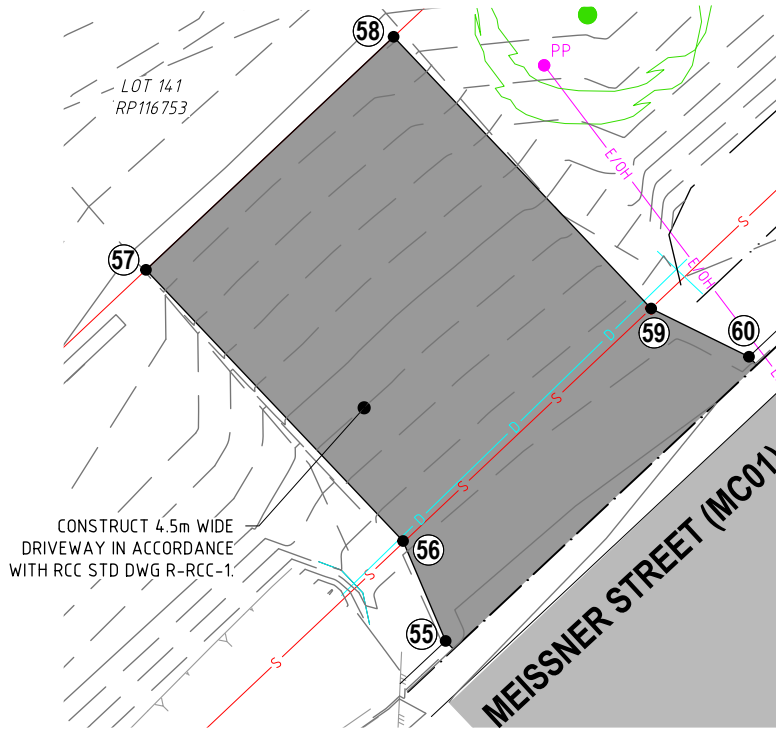


20 MEISSNER STREET

SCALE 1:100

DRIVEWAY SETOUT TABLE

POINT ID	EASTING	NORTHING
49	30362.677	143689.462
50	30362.986	143688.732
51	30366.246	143685.097
52	30363.694	143682.699
53	30360.380	143686.396
54	30359.669	143686.766

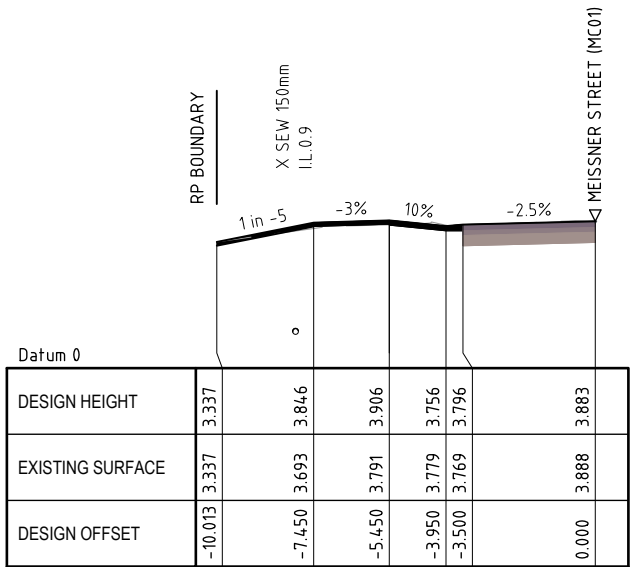


19-21 MEISSNER STREET

SCALE 1:100

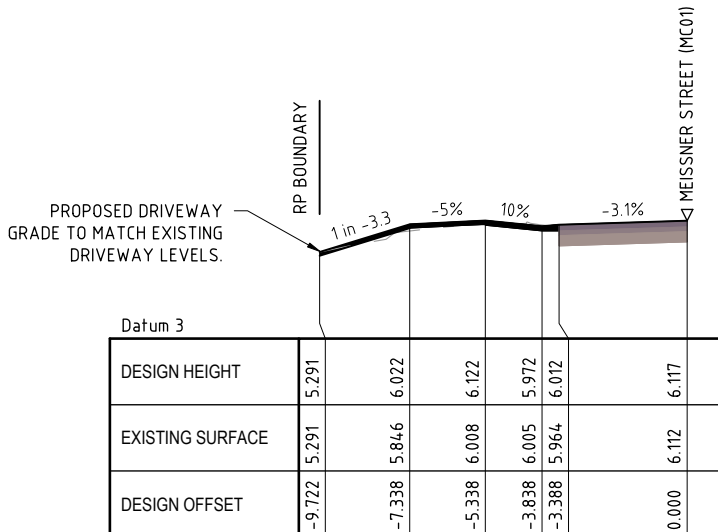
DRIVEWAY SETOUT TABLE

POINT ID	EASTING	NORTHING
55	30350.919	143689.585
56	30350.355	143690.906
57	30346.954	143694.492
58	30350.230	143697.574
59	30353.637	143693.980
60	30354.931	143693.343



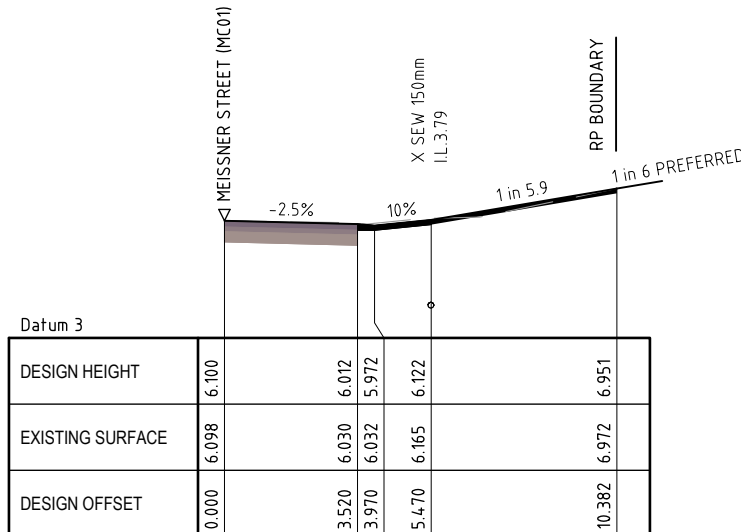
20 MEISSNER STREET

SCALE 1:200



18 MEISSNER STREET

SCALE 1:200



19-21 MEISSNER STREET

SCALE 1:200

REVISIONS	ISSUE DATE
E	
D	
C	
B	
A	
0	ORIGINAL ISSUE

SCALE:
0 1 2 3
SCALE 1:100 (m)
0 2 4 6
SCALE 1:200 (m)
DO NOT SCALE FROM PLAN

PRELIMINARY
APPROVED:
RPEQ: 21977
APPROVED DATE: 5/06/2025

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

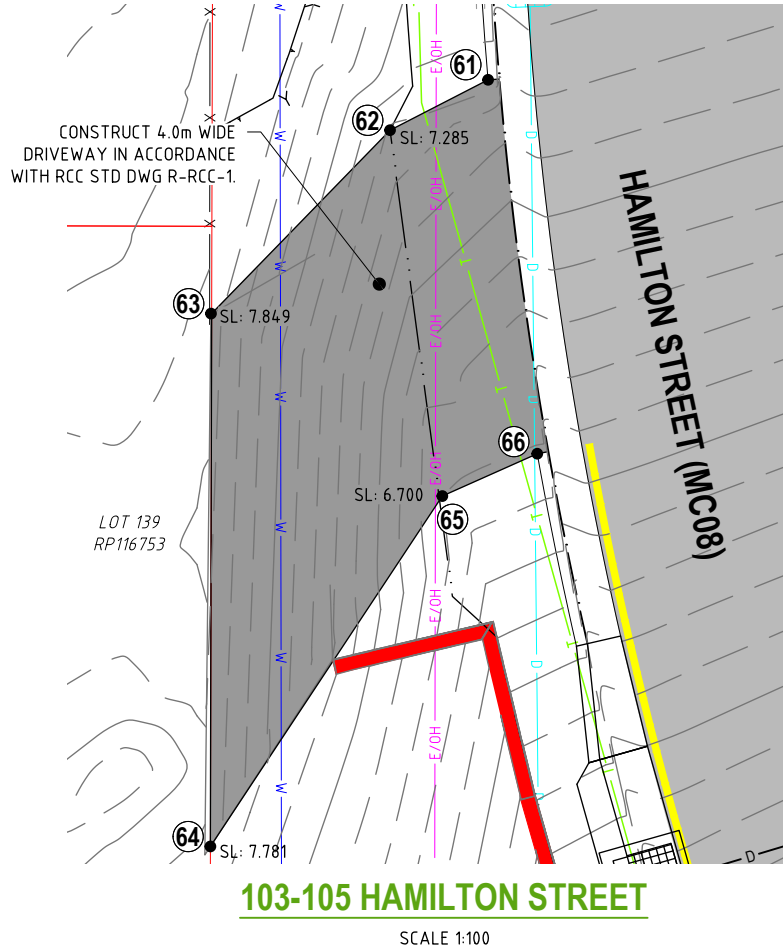


THIS DRAWING IS COPYRIGHT AND THE PROPERTY OF ENGINEERING SOLUTIONS QLD PTY LTD. IT MUST NOT BE RETAINED, COPIED OR USED WITHOUT THE AUTHORITY OF ENGINEERING SOLUTIONS QLD PTY LTD.

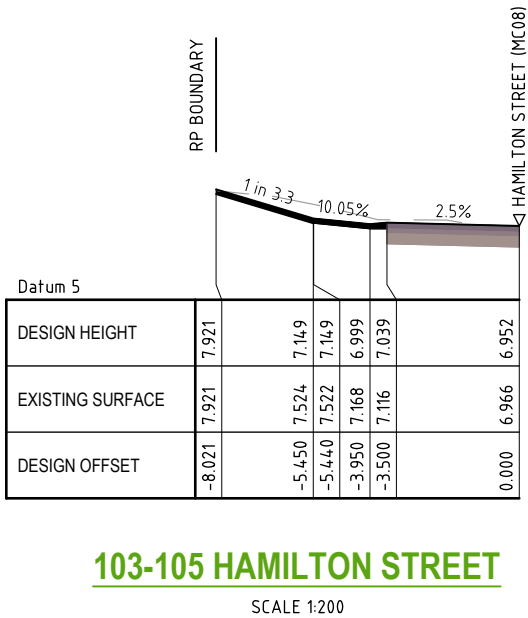
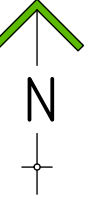
THIS DRAWING AND ITS CONTENTS ARE ELECTRONICALLY GENERATED, ARE CONFIDENTIAL AND MAY ONLY BE USED FOR THE PURPOSE FOR WHICH THEY WERE INTENDED. ENGINEERING SOLUTIONS QLD PTY LTD WILL NOT ACCEPT RESPONSIBILITY FOR ANY CONSEQUENCES ARISING FROM THE USE OF THE DRAWING FOR OTHER THAN ITS INTENDED PURPOSE OR WHERE THE DRAWING HAS BEEN ALTERED, AMENDED OR CHANGED EITHER MANUALLY OR ELECTRONICALLY BY ANY THIRD PARTY.

THIS IS AN UNCONTROLLED DOCUMENT ISSUED FOR INFORMATION PURPOSES ONLY. UNLESS THE CHECKED SECTIONS ARE SIGNED OR COMPLETED, FIGURED DIMENSIONS TAKE PRECEDENCE OVER SCALED, DO NOT SCALE REDUCED SIZE DRAWINGS. VERIFY DIMENSIONS PRIOR TO COMMENCING ANY WORKS.

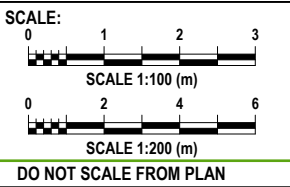
TITLE: DRIVEWAY SETOUT AND SECTIONS - SHEET 3	A3
PROJECT: MEISSNER STREET EXTENSION WORKS	No. 15 of 26 DRAWINGS
WEINAM CREEK REDLAND BAY	Job No. FC-25-021
FOR REDLAND INVESTMENT CORPORATION PTY LTD	DWG No. C-0205
	0 A B C D E



DRIVEWAY SETOUT TABLE		
POINT ID	EASTING	NORTHING
61	30379.615	143735.972
62	30378.320	143735.306
63	30375.960	143732.880
64	30375.943	143725.834
65	30379.011	143730.468
66	30380.266	143731.028



REVISIONS	ISSUE DATE
E	
D	
C	
B	
A	
O	ORIGINAL ISSUE
	5/06/2025



PRELIMINARY

APPROVED:

RPEQ: 21977

APPROVED DATE: 5/06/2025

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.

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.

THIS IS AN UNCONTROLLED DOCUMENT ISSUED FOR INFORMATION PURPOSES ONLY, UNLESS THE CHECKED SECTIONS ARE SIGNED OR COMPLETED. FIGURED DIMENSIONS TAKE PRECEDENCE OVER SCALED. DO NOT SCALE REDUCED SIZE DRAWINGS. VERIFY DIMENSIONS PRIOR TO COMMENCING ANY WORKS.

TITLE: DRIVEWAY SETOUT AND SECTIONS - SHEET 4		A3
PROJECT: MEISSNER STREET EXTENSION WORKS WEINAM CREEK REDLAND BAY FOR REDLAND INVESTMENT CORPORATION PTY LTD		No. 16 of 26 DRAWINGS
Job No. FC-25-021		DWG No. C-0206
0 A B C D E		

GENERAL STORMWATER NOTES:

1. STORMWATER STRUCTURES & PIPES TO HAVE SALTWATER COVER.
2. THE CONTRACTOR SHALL PERFORM CCTV INSPECTION ON ALL STORMWATER LINES TO THE SATISFACTION OF COUNCIL PRIOR TO THE DEVELOPMENT BEING PLACED 'ON MAINTENANCE'.
3. KERB INLETS ARE TO BE PRECAST CM-PRODUCTS RECESSED TYPE 24 SERIES RGU ON STD 800X900 PIT, IN ACCORDANCE WITH IPWEAQ STD DWG DS-060 (UNO)
4. FIELD INLETS TO BE 900X900 PRECAST CONSTRUCTION INCLUDING GRATE, GENERALLY IN ACCORDANCE IPWEAQ STD DWG DS-050 (UNO).
5. PIPE INSTALLATION TO BE IN ACCORDANCE WITH IPWEAQ STD. DWG. NO. DS-030 'EXCAVATION, BEDDING AND BACKFILLING RIGID & FLEXIBLE DRAINAGE PIPES.
6. FILL/BACKFILL MATERIAL BENEATH ALL ROADWAYS TO BE CBR 15 MINIMUM.

STORMWATER CONSTRUCTION NOTES:

1. PIT WIDTHS AND LENGTHS ARE SHOWN FOR PRICING ONLY. CONTRACTOR TO VERIFY PIT SIZES AND LENGTHS BEFORE CONSTRUCTION.
2. ALL CONCRETE TO BE GRADE N32.
3. FOR CONSTRUCTION OF NON-STANDARD CAST IN-SITU CHAMBERS:
WALLS -
225mm THICK WITH SL81 REINFORCEMENT PLACED CENTRALLY FOR WALLS <1500 (SHORT SPAN)
250mm THICK WITH SL81 REINFORCEMENT PLACED CENTRALLY FOR WALLS >1500 (SHORT SPAN)
FLOOR - 225mm THICK WITH SL81 REINFORCEMENT IN TOP FACE (50mm COVER)
ALL ROOF SLABS TO BE 200mm THICK (UNO) - IN ACCORDANCE WITH DWG 1357-D01-0437.
4. THE FOLLOWING STANDARD DRAWINGS ARE TO BE USED FOR CONSTRUCTION:
IPWEAQ
• DSD-201 - EXCAVATION, BEDDING AND BACKFILLING RIGID & FLEXIBLE DRAINAGE PIPES.
• DSD-202 - EXCAVATION, BEDDING AND BACKFILLING PRECAST BOX CULVERTS
• DSD-403 - DRAINAGE PITS - KERB INLET - LIP IN LINE - GENERAL ARRANGEMENT
• DSD-406 - DRAINAGE PITS - KERB INLET - GRATE AND FRAME

LEGEND

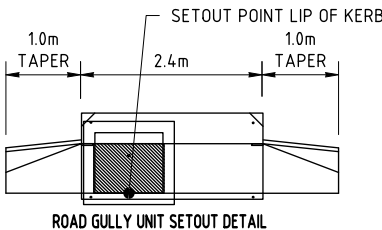
- EXISTING LOT BOUNDARY
EXISTING DRAINAGE LINE
DRAINAGE CATCHMENT AREAS
PROPOSED DRAINAGE LINE
PROPOSED DRAINAGE STRUCTURE NUMBER
PROPOSED DRAINAGE STRUCTURES

CONTOUR NOTE:

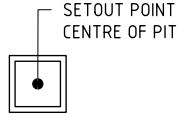
1. CONTOURS SHOWN DEPICT DESIGN SURFACE AND ARE AT 0.1m INTERVALS.

STORMWATER SETOUT TABLE

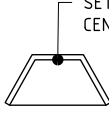
POINT ID	EASTING	NORTHING	DESCRIPTION
1/1	30421.811	143734.745	900X900 FIELD INLET
2/1	30420.481	143728.428	CM RGU C24R WITH 1200x1500 CHAMBER
3/1	30422.307	143721.671	CM RGU C24R WITH 1200x1500 CHAMBER
4/1	30408.905	143712.395	HEADWALL
1/2	30382.210	143725.442	CM RGU R24R WITH 800x900 CHAMBER
2/2	30388.979	143727.465	CM RGU L24R WITH 800x900 CHAMBER
3/2	30399.609	143722.799	CM RGU L24R WITH 900x1200 CHAMBER



ROAD GULLY UNIT SETOUT DETAIL

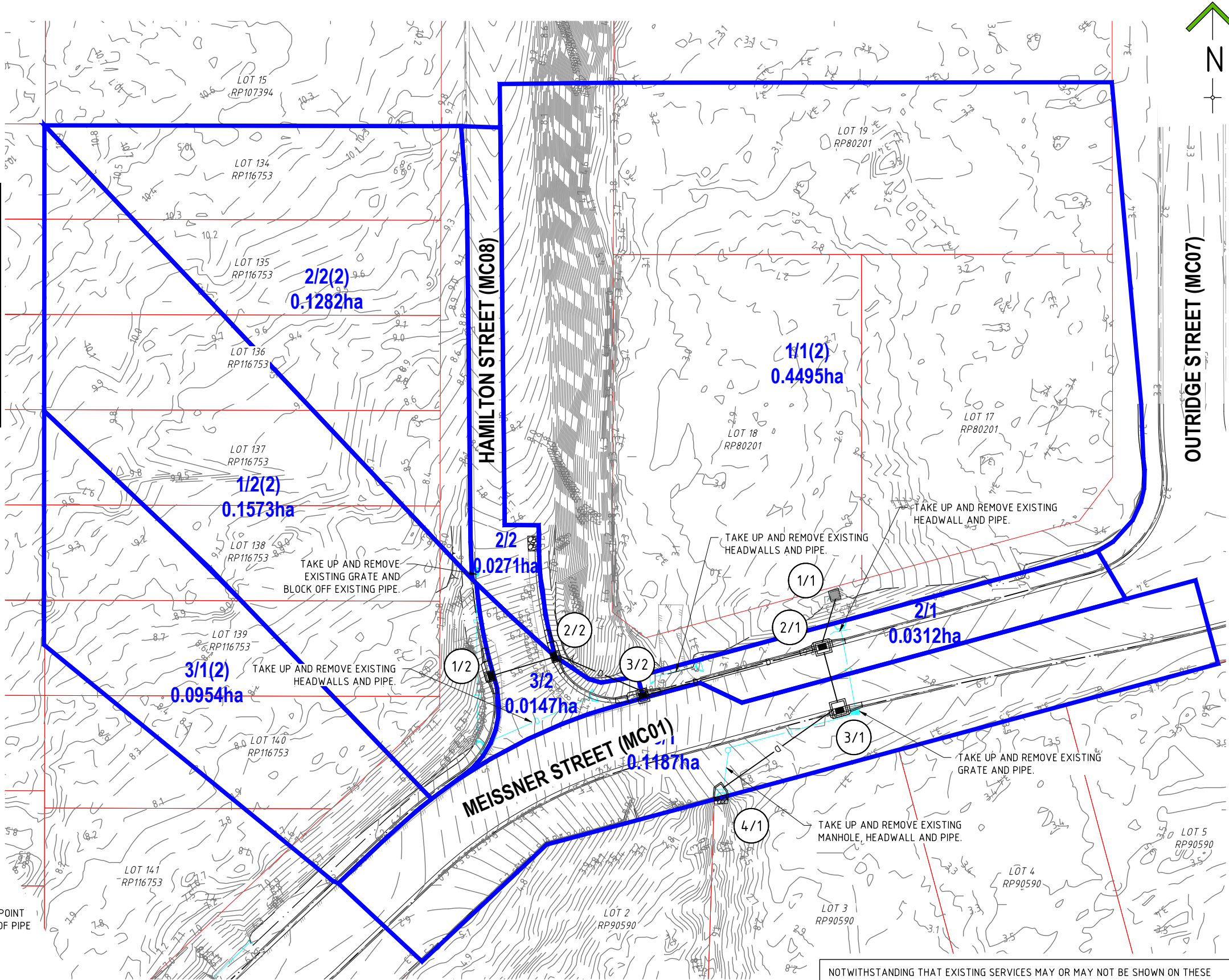


FIELD INLET



HEADWALL

C-M PRODUCTS RGU-R24R SHOWN.
RGU-L24R HAS CHAMBER ON OPPOSITE SIDE.
RGU-C24R HAS CHAMBER CENTRAL.



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	
0 ORIGINAL ISSUE	5/06/2025

SCALE:
0 5 10 15
SCALE 1:500 (m)
DO NOT SCALE FROM PLAN

PRELIMINARY
APPROVED:
RPEQ: 21977
APPROVED DATE: 5/06/2025

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

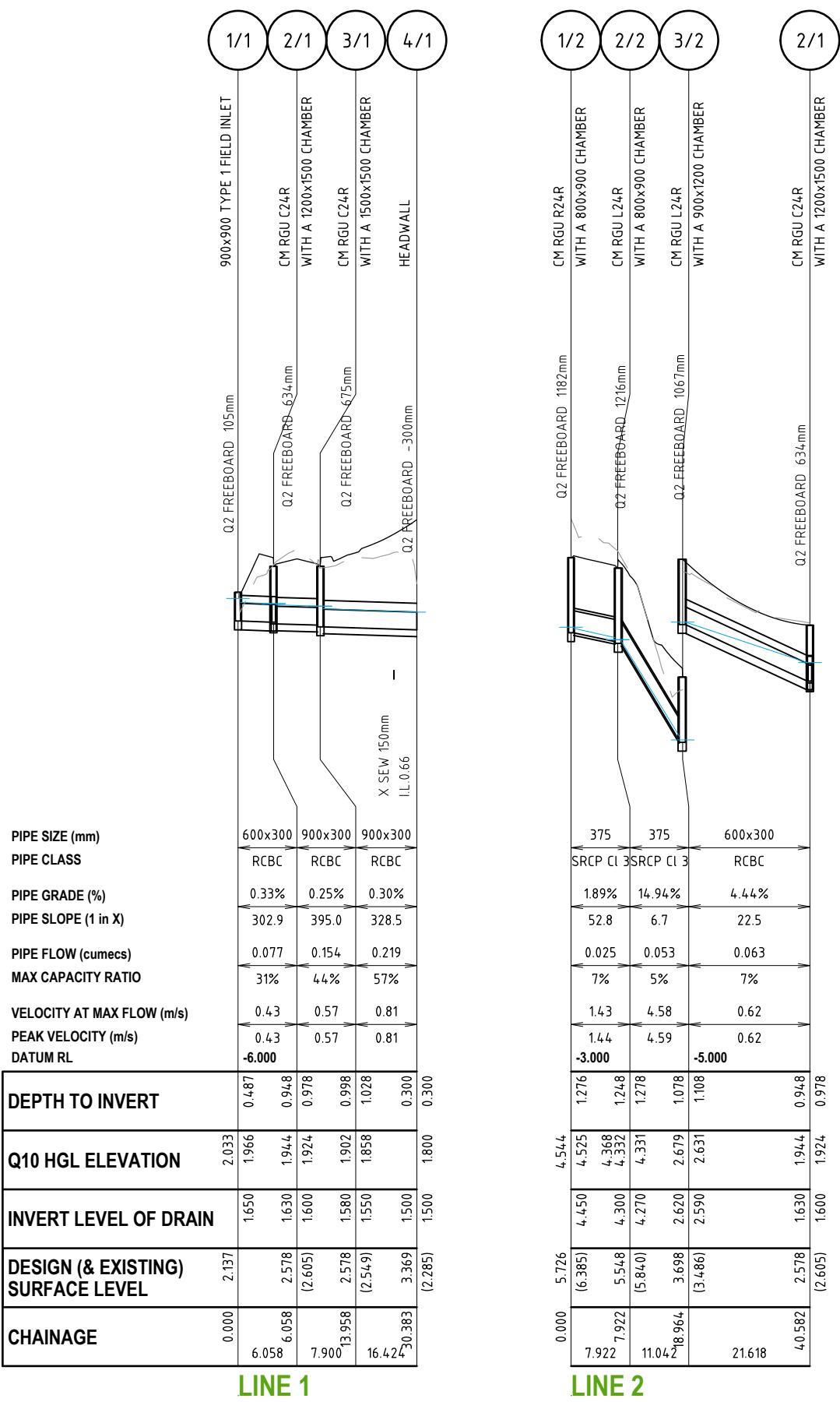


THIS DRAWING IS COPYRIGHT AND THE PROPERTY OF ENGINEERING SOLUTIONS QLD PTY LTD. IT MUST NOT BE RETAINED, COPIED OR USED WITHOUT THE AUTHORITY OF ENGINEERING SOLUTIONS QLD PTY LTD.

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.

THIS IS AN UNCONTROLLED DOCUMENT ISSUED FOR INFORMATION PURPOSES ONLY. UNLESS THE CHECKED SECTIONS ARE SIGNED OR COMPLETED, FIGURED DIMENSIONS TAKE PRECEDENCE OVER SCALED, DO NOT SCALE REDUCED SIZE DRAWINGS. VERIFY DIMENSIONS PRIOR TO COMMENCING ANY WORKS.

TITLE: DRAINAGE CATCHMENT PLAN	A3
PROJECT: MEISSNER STREET EXTENSION WORKS	No. 17 of 26 DRAWINGS
WEINAM CREEK REDLAND BAY	Job No. FC-25-021
FOR REDLAND INVESTMENT CORPORATION PTY LTD	DWG No. C-0300
	0 A B C D E



LINE 1

LINE 2

REVISIONS	ISSUE DATE
E	
D	
C	
B	
A	
0	ORIGINAL ISSUE
	5/06/2025

SCALE:
HORIZONTAL SCALE 1:1000 (m)
VERTICAL SCALE 1:100 (m)
DO NOT SCALE FROM PLAN

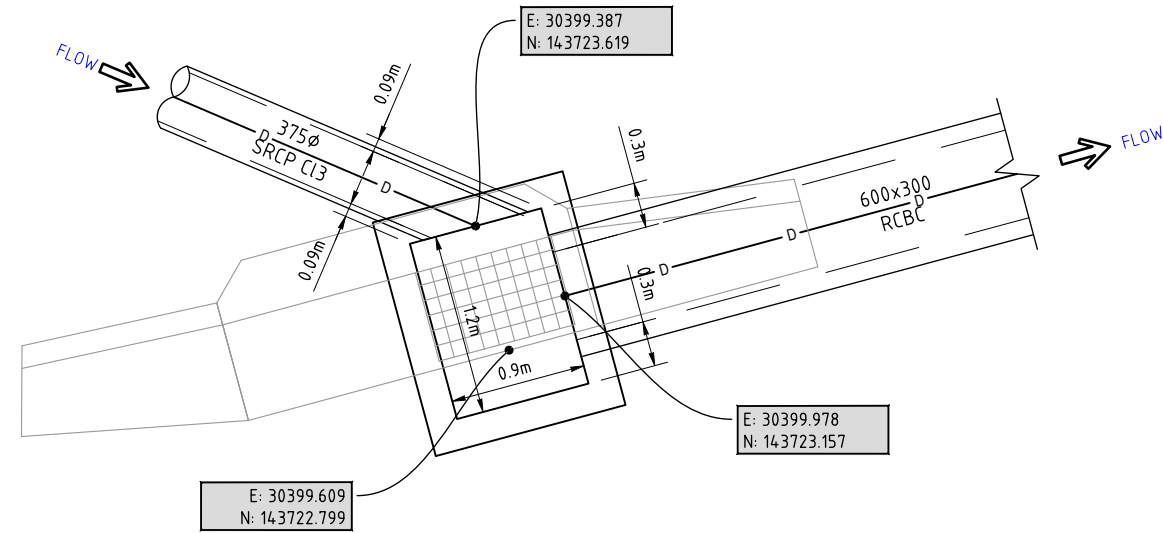
PRELIMINARY
APPROVED:
RPEQ: 21977
APPROVED DATE: 5/06/2025

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



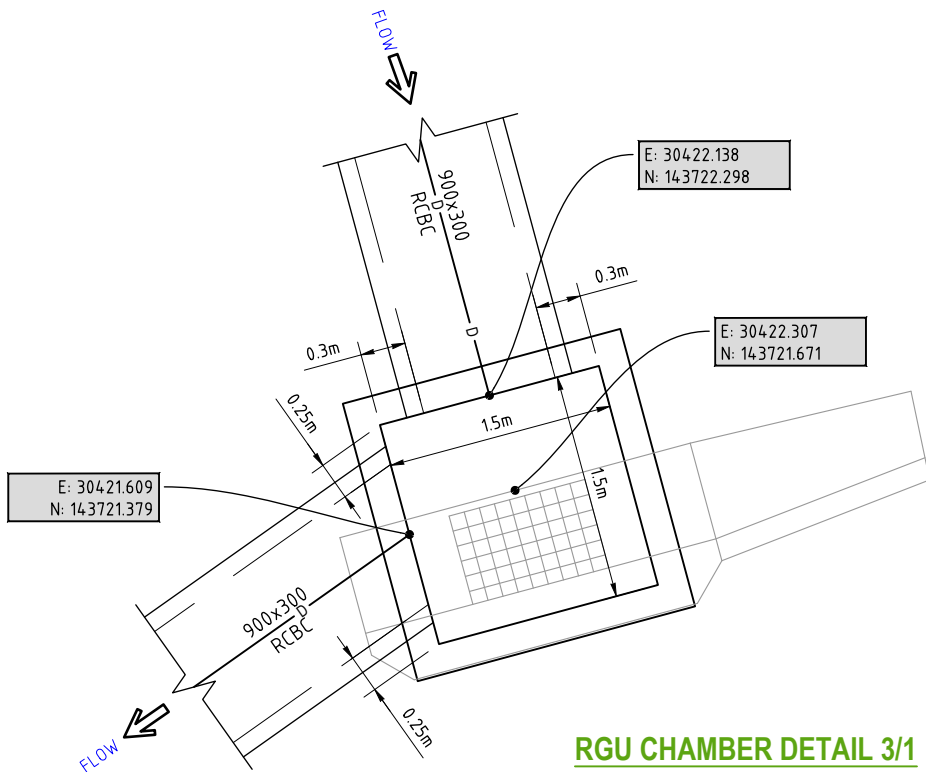
THIS DRAWING IS COPYRIGHT AND THE PROPERTY OF ENGINEERING SOLUTIONS QLD PTY LTD. IT MUST NOT BE RETAINED, COPIED OR USED WITHOUT THE AUTHORITY OF ENGINEERING SOLUTIONS QLD PTY LTD.
THIS DRAWING AND ITS CONTENTS ARE ELECTRONICALLY GENERATED, ARE CONFIDENTIAL AND MAY ONLY BE USED FOR THE PURPOSE FOR WHICH 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.
THIS IS AN UNCONTROLLED DOCUMENT ISSUED FOR INFORMATION PURPOSES ONLY, UNLESS THE CHECKED SECTIONS ARE SIGNED OR COMPLETED. FIGURED DIMENSIONS TAKE PRECEDENCE OVER SCALED, DO NOT SCALE REDUCED SIZE DRAWINGS. VERIFY DIMENSIONS PRIOR TO COMMENCING ANY WORKS.

TITLE: DRAINAGE LONGITUDINAL SECTIONS		A3
PROJECT: MEISSNER STREET EXTENSION WORKS WEINAM CREEK REDLAND BAY FOR REDLAND INVESTMENT CORPORATION PTY LTD		
No. 18 of 26 DRAWINGS	Job No. FC-25-021	DWG No. C-0301
O	A	B
C	D	E



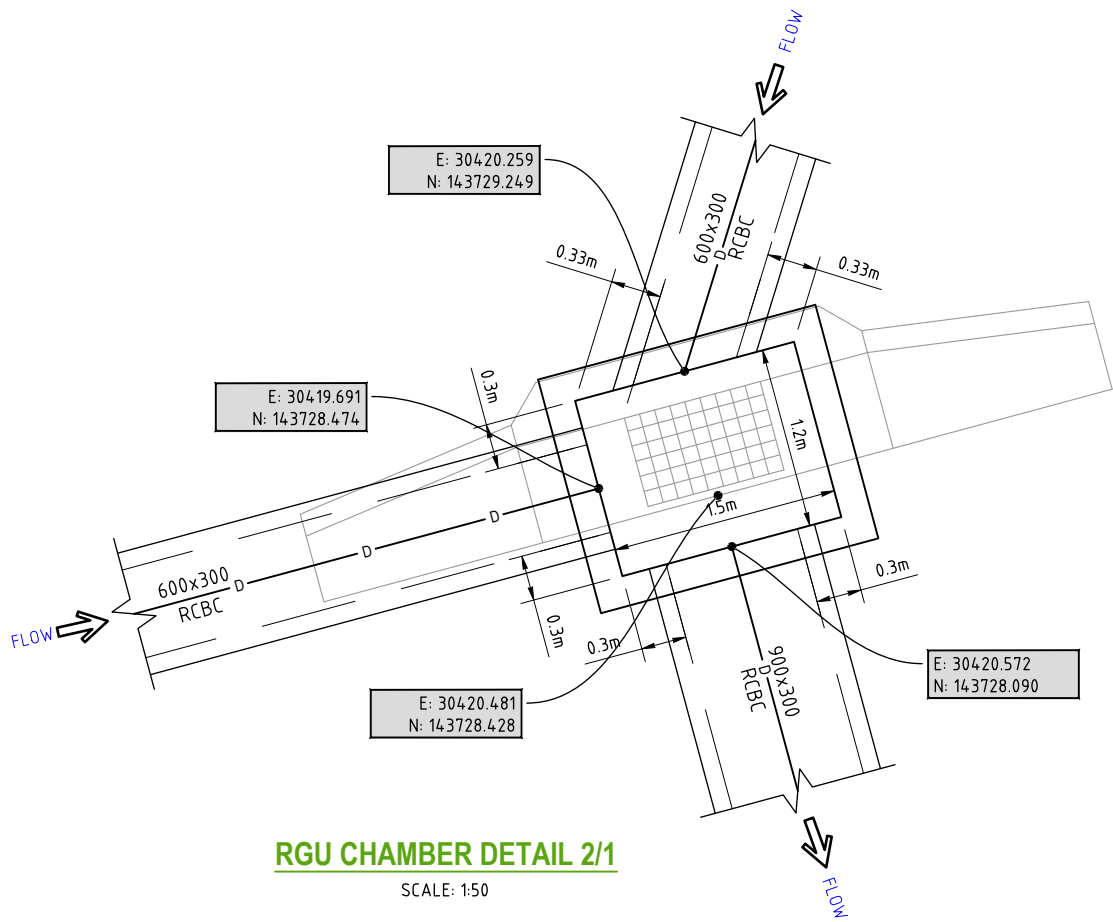
RGU CHAMBER DETAIL 3/2

SCALE: 1:50



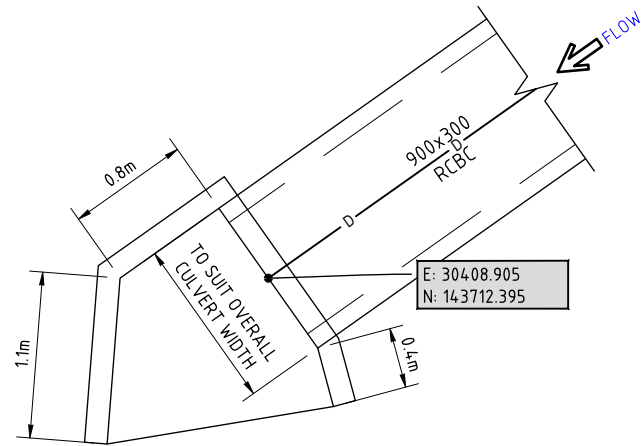
RGU CHAMBER DETAIL 3/1

SCALE: 1:50



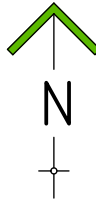
RGU CHAMBER DETAIL 2/1

SCALE: 1:50



HEADWALL DETAIL 4/1

SCALE: 1:50



REVISIONS	ISSUE DATE
E	
D	
C	
B	
A	
O	ORIGINAL ISSUE

SCALE:
0 0.5 1 1.5
SCALE 1:50 (m)
DO NOT SCALE FROM PLAN

PRELIMINARY
APPROVED:
RPEQ: 21977
APPROVED DATE: 5/06/2025

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

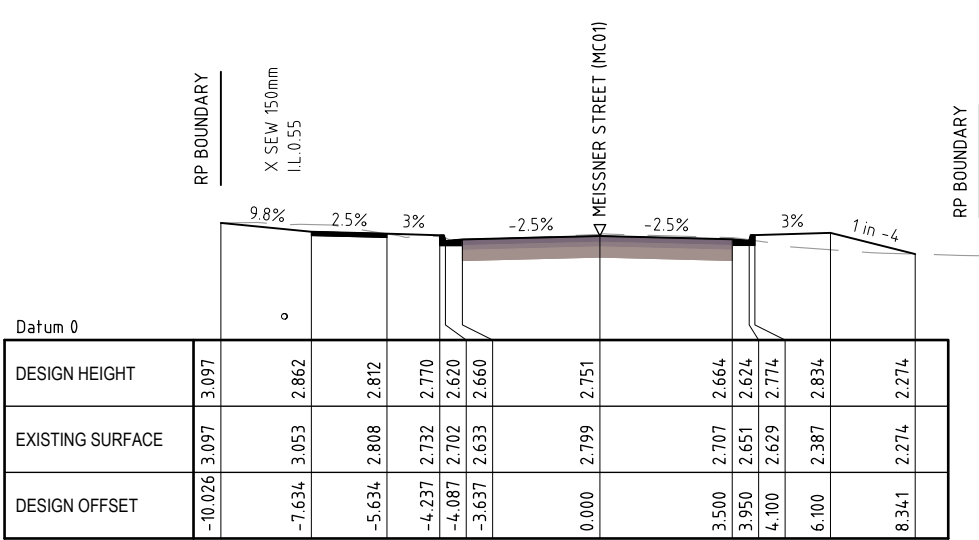


THIS DRAWING IS COPYRIGHT AND THE PROPERTY OF ENGINEERING SOLUTIONS QLD PTY LTD. IT MUST NOT BE RETAINED, COPIED OR USED WITHOUT THE AUTHORITY OF ENGINEERING SOLUTIONS QLD PTY LTD.

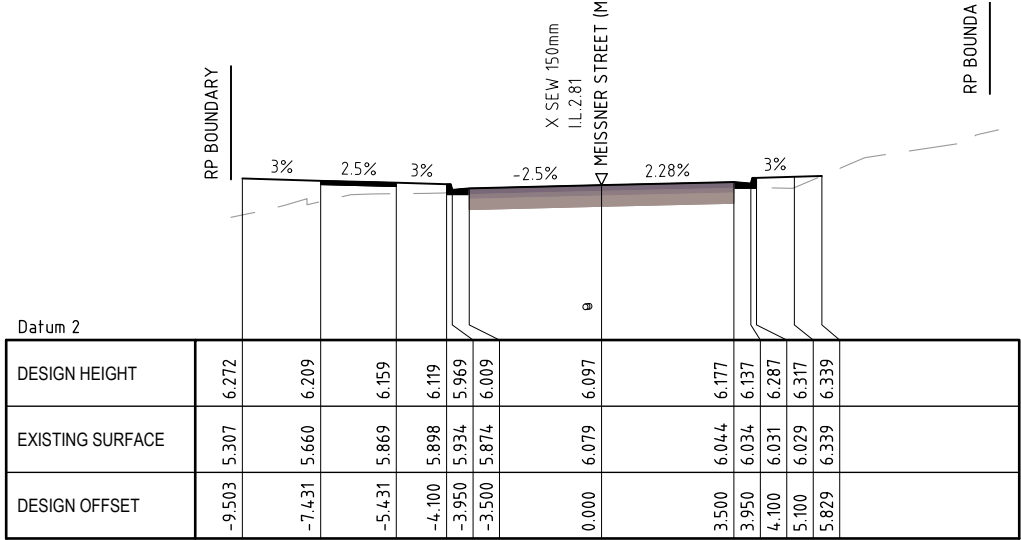
THIS DRAWING AND ITS CONTENTS ARE ELECTRONICALLY GENERATED, ARE CONFIDENTIAL AND MAY ONLY BE USED FOR THE PURPOSE FOR WHICH THEY WERE INTENDED. ENGINEERING SOLUTIONS QLD PTY LTD WILL NOT ACCEPT RESPONSIBILITY FOR ANY CONSEQUENCES ARISING FROM THE USE OF THE DRAWING FOR OTHER THAN ITS INTENDED PURPOSE OR WHERE THE DRAWING HAS BEEN ALTERED, AMENDED OR CHANGED EITHER MANUALLY OR ELECTRONICALLY BY ANY THIRD PARTY.

THIS IS AN UNCONTROLLED DOCUMENT ISSUED FOR INFORMATION PURPOSES ONLY. UNLESS THE CHECKED SECTIONS ARE SIGNED OR COMPLETED, FIGURED DIMENSIONS TAKE PRECEDENCE OVER SCALED. DO NOT SCALE REDUCED SIZE DRAWINGS. VERIFY DIMENSIONS PRIOR TO COMMENCING ANY WORKS.

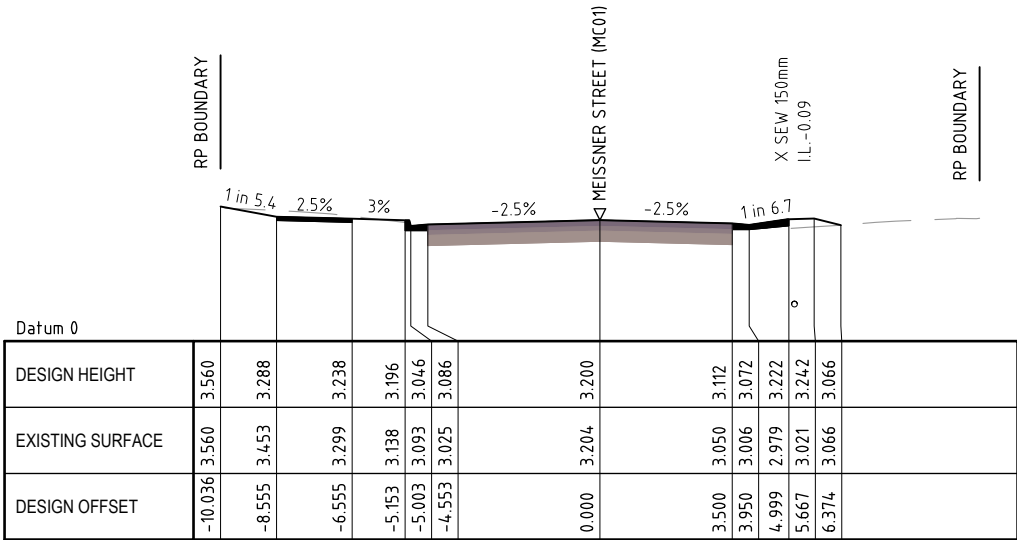
TITLE: OVERSIZED PIT DETAILS	A3
PROJECT:	No. 19 of 26 DRAWINGS
MEISSNER STREET EXTENSION WORKS	Job No.
WEINAM CREEK REDLAND BAY	FC-25-021
FOR REDLAND INVESTMENT CORPORATION PTY LTD	DWG No.
	C-0302
	O A B C D E



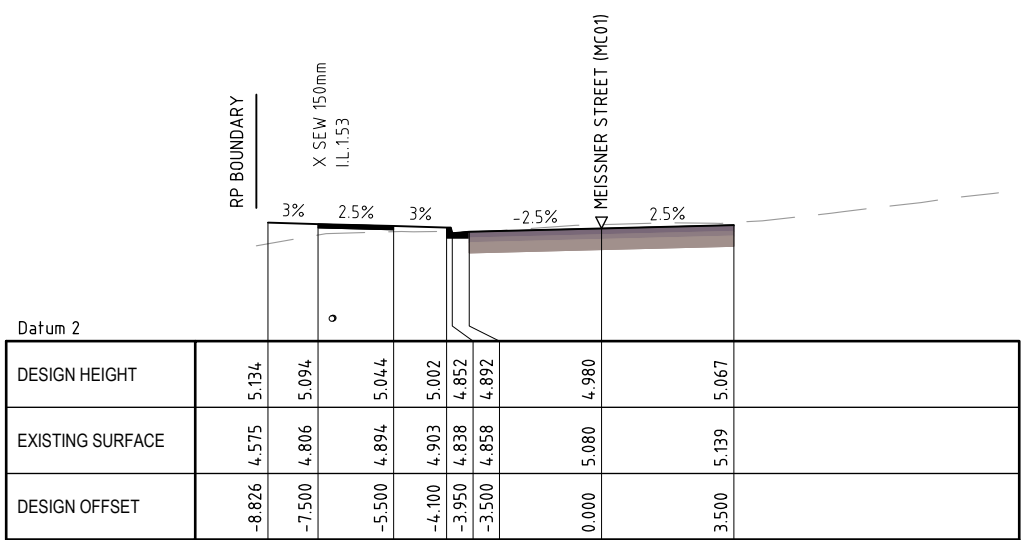
CHAINAGE 540.000



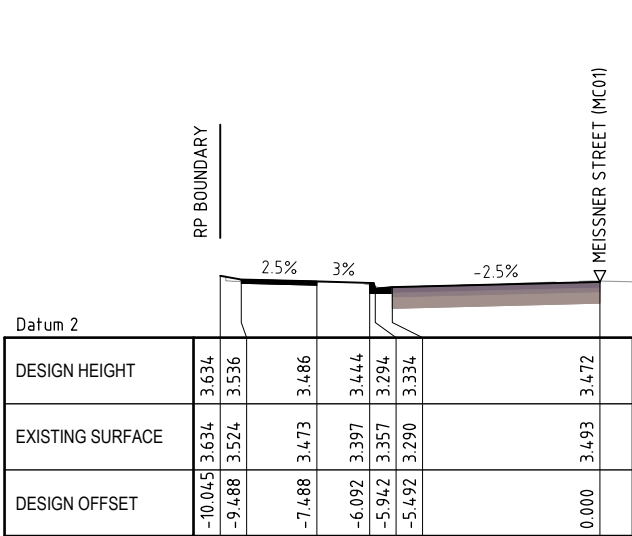
CHAINAGE 600.000



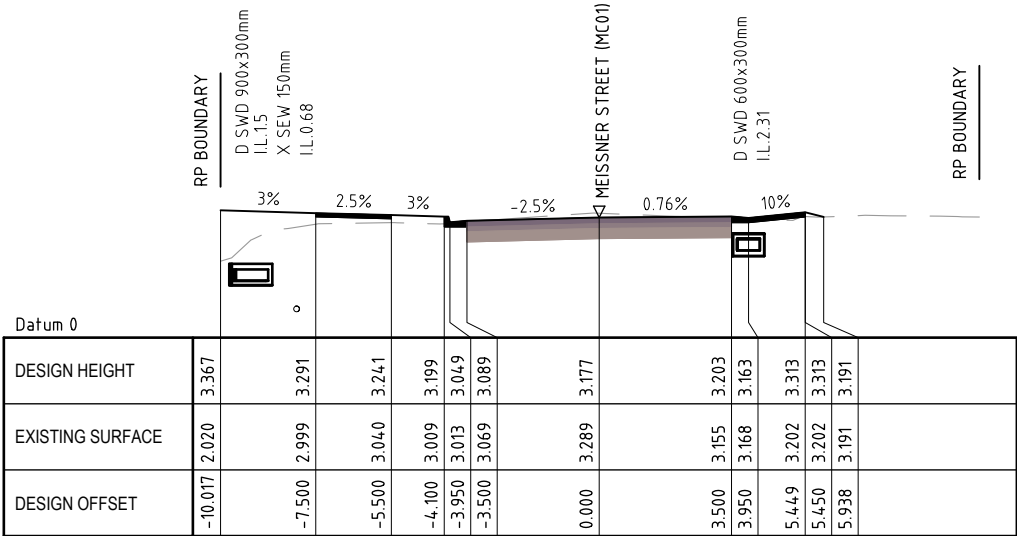
CHAINAGE 520.000



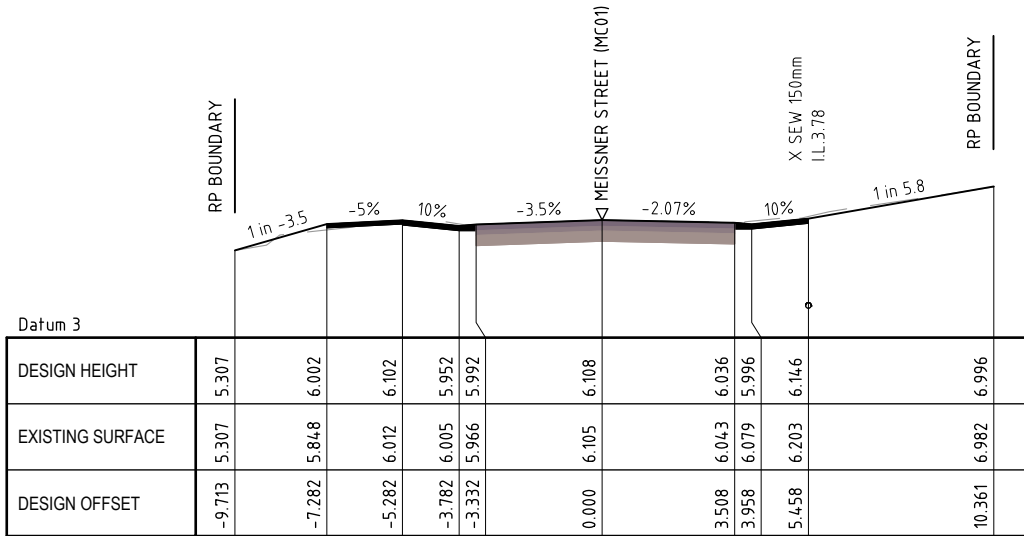
CHAINAGE 580.000



CHAINAGE 500.000



CHAINAGE 560.000



CHAINAGE 620.000

REVISIONS		ISSUE DATE
E		
D		
C		
B		
A		
0	ORIGINAL ISSUE	5/06/2025

SCALE:
SCALE 1:200 (m)
DO NOT SCALE FROM PLAN

PRELIMINARY
APPROVED:
RPEQ: 21977
APPROVED DATE: 5/06/2025

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

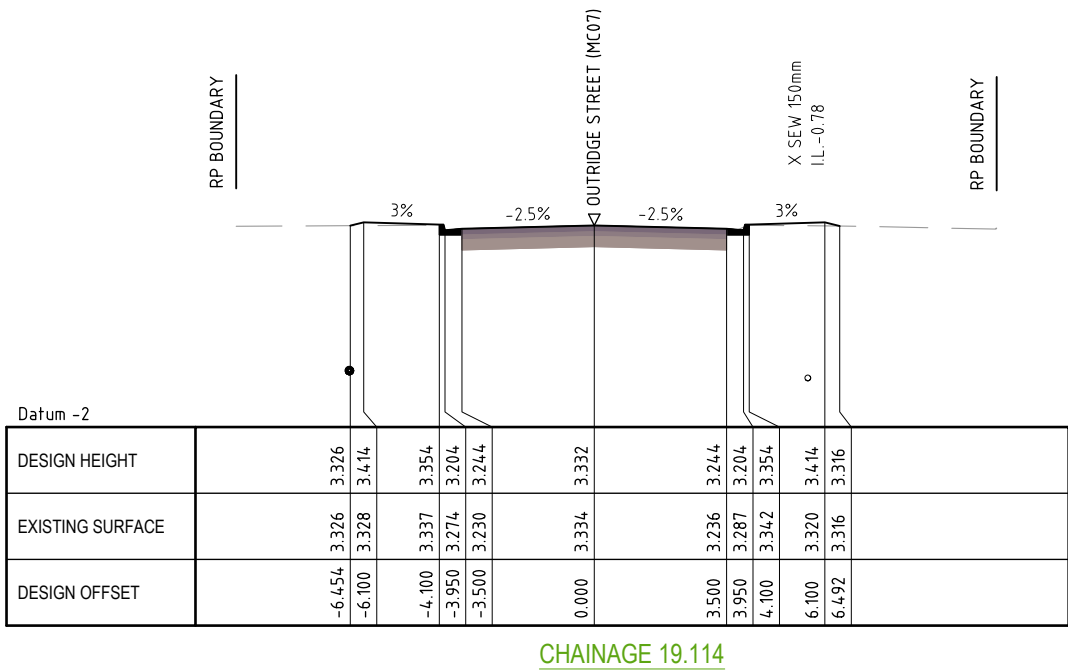


THIS DRAWING IS COPYRIGHT AND THE PROPERTY OF ENGINEERING SOLUTIONS QLD PTY LTD. IT MUST NOT BE RETAINED, COPIED OR USED WITHOUT THE AUTHORITY OF ENGINEERING SOLUTIONS QLD PTY LTD.

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.

THIS IS AN UNCONTROLLED DOCUMENT ISSUED FOR INFORMATION PURPOSES ONLY. UNLESS THE CHECKED SECTIONS ARE SIGNED OR COMPLETED, FIGURED DIMENSIONS TAKE PRECEDENCE OVER SCALED. DO NOT SCALE REDUCED SIZE DRAWINGS. VERIFY DIMENSIONS PRIOR TO COMMENCING ANY WORKS.

TITLE: MEISSNER STREET CROSS SECTIONS		A3
PROJECT: MEISSNER STREET EXTENSION WORKS		No. 20 of 26 DRAWINGS
WEINAM CREEK REDLAND BAY		Job No. FC-25-021
FOR REDLAND INVESTMENT CORPORATION PTY LTD		DWG No. C-0600
		0 A B C D E



REVISIONS	ISSUE DATE	SCALE:
E		0246 SCALE 1:200 (m)
D		
C		
B		
A		
0 ORIGINAL ISSUE	5/06/2025	DO NOT SCALE FROM PLAN

PRELIMINARY

APPROVED:

RPEQ: 21977

APPROVED DATE: 5/06/2025

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

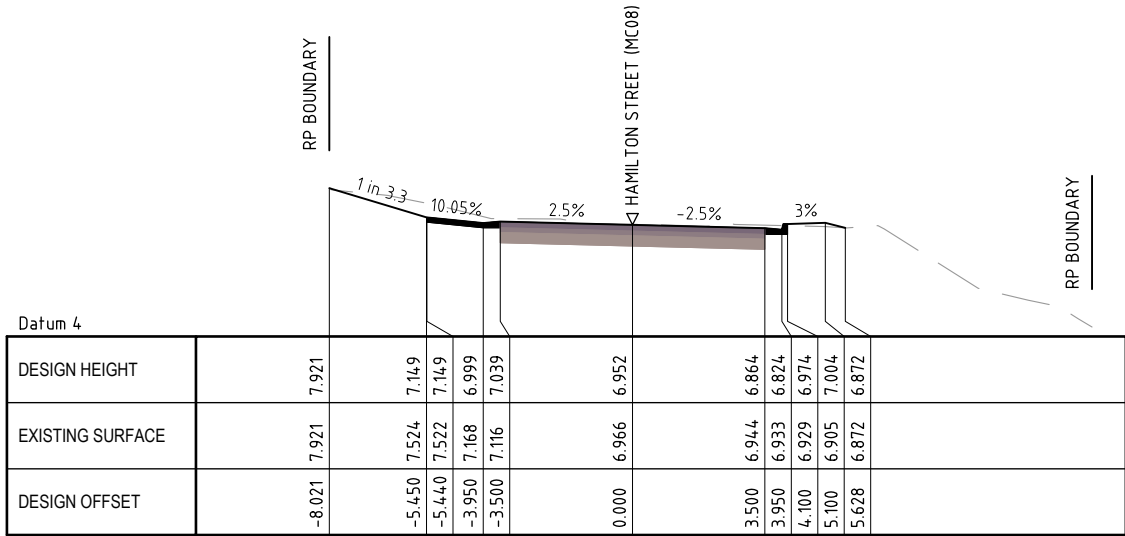
Engineering Solutions Qld

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.

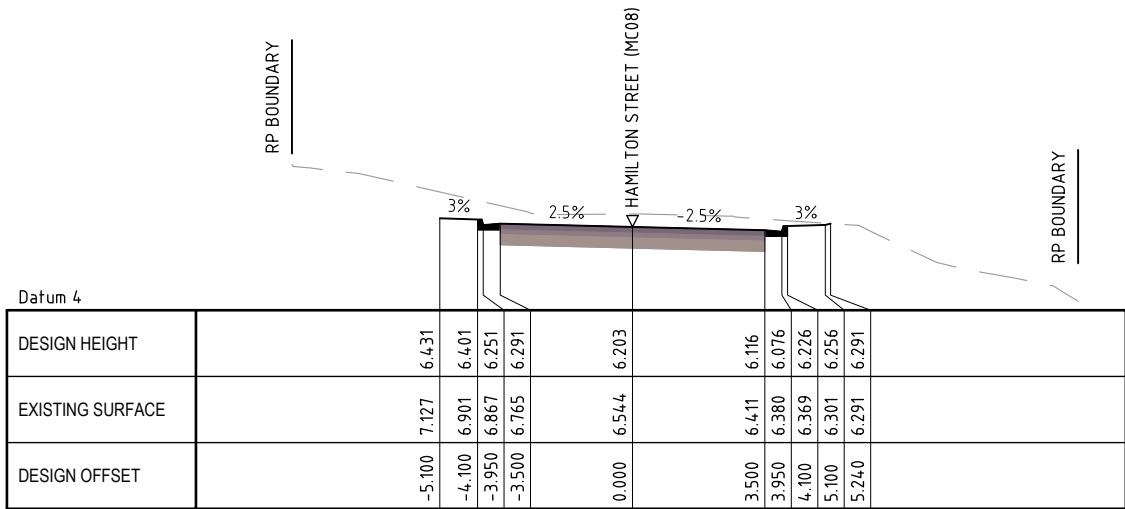
THIS DRAWING AND ITS CONTENTS ARE ELECTRONICALLY GENERATED, ARE CONFIDENTIAL AND MAY ONLY BE USED FOR THE PURPOSE FOR WHICH THEY WERE INTENDED. ENGINEERING SOLUTIONS QLD PTY LTD WILL NOT ACCEPT RESPONSIBILITY FOR ANY CONSEQUENCES ARISING FROM THE USE OF THE DRAWING FOR OTHER THAN ITS INTENDED PURPOSE OR WHERE THE DRAWING HAS BEEN ALTERED, AMENDED OR CHANGED EITHER MANUALLY OR ELECTRONICALLY BY ANY THIRD PARTY.

THIS IS AN UNCONTROLLED DOCUMENT ISSUED FOR INFORMATION PURPOSES ONLY, UNLESS THE CHECKED SECTIONS ARE SIGNED OR COMPLETED. FIGURED DIMENSIONS TAKE PRECEDENCE OVER SCALED. DO NOT SCALE REDUCED SIZE DRAWINGS. VERIFY DIMENSIONS PRIOR TO COMMENCING ANY WORKS.

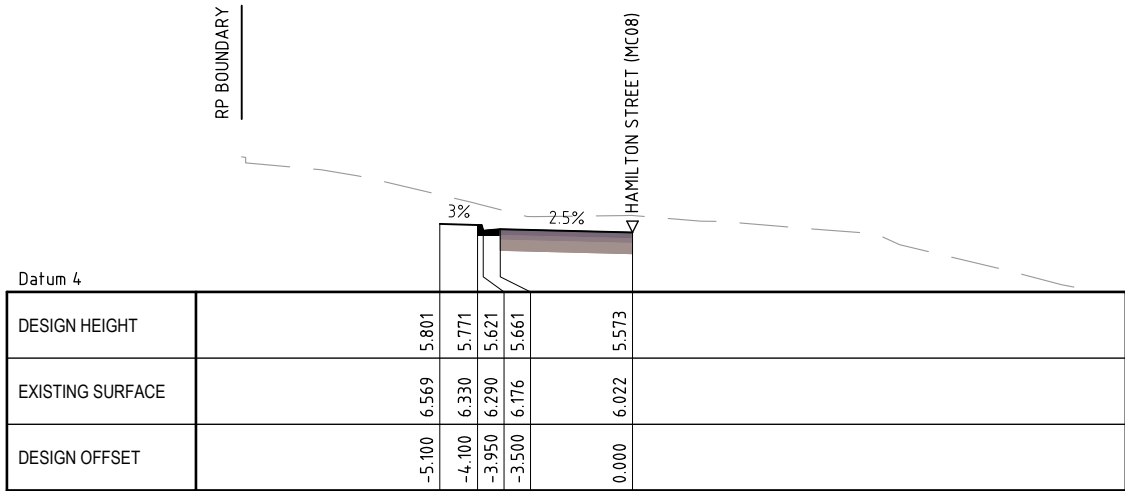
TITLE: OUTRIDGE STREET CROSS SECTIONS		A3
PROJECT: MEISSNER STREET EXTENSION WORKS WEINAM CREEK REDLAND BAY FOR REDLAND INVESTMENT CORPORATION PTY LTD		No. 21 of 26 DRAWINGS
		Job No. FC-25-021 DWG No. C-0601
		0A B C D E



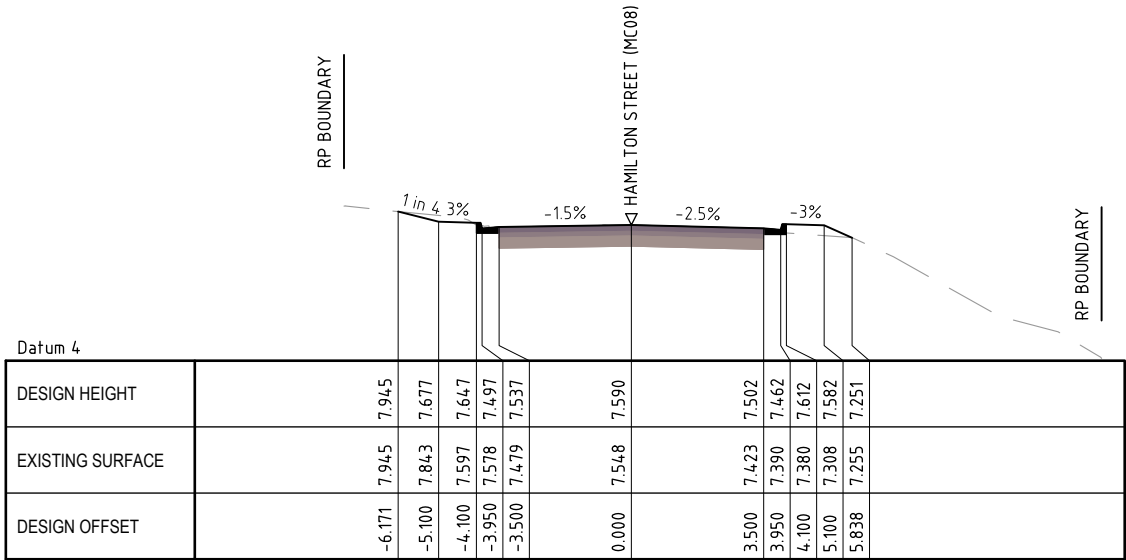
CHAINAGE 20.000



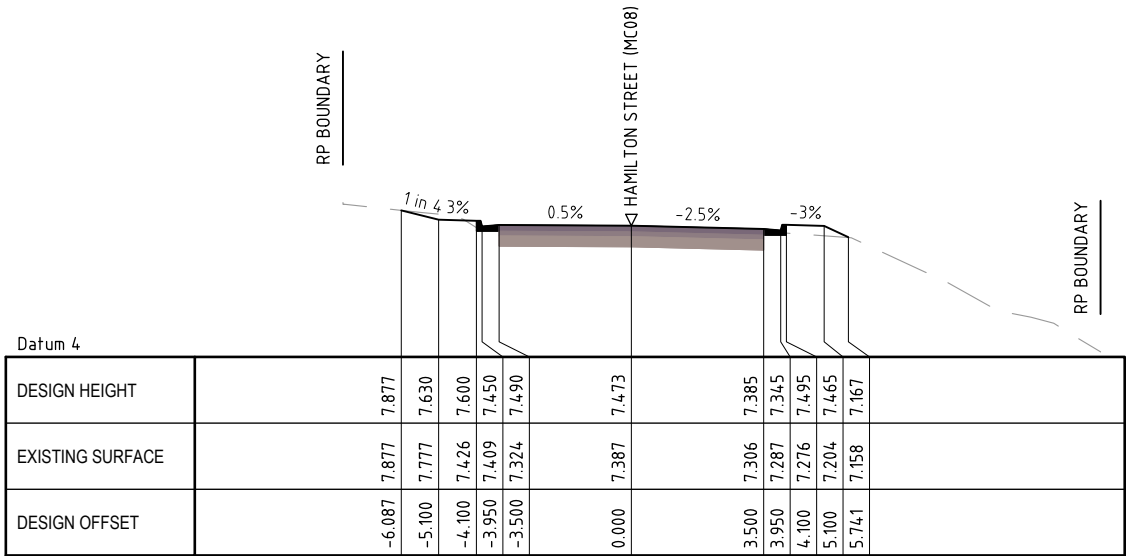
CHAINAGE 15.000



CHAINAGE 10.800



CHAINAGE 27.000



CHAINAGE 25.000

REVISIONS		ISSUE DATE
E		
D		
C		
B		
A		
0	ORIGINAL ISSUE	5/06/2025

SCALE:

SCALE 1:200 (m)
DO NOT SCALE FROM PLAN

PRELIMINARY
APPROVED:

RPEQ: 21977
APPROVED DATE: 5/06/2025

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 REPRODUCED, COPIED OR USED WITHOUT THE AUTHORITY OF ENGINEERING SOLUTIONS QLD PTY LTD.

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.

THIS IS AN UNCONTROLLED DOCUMENT ISSUED FOR INFORMATION PURPOSES ONLY. UNLESS THE CHECKED SECTIONS ARE SIGNED OR COMPLETED, FIGURED DIMENSIONS TAKE PRECEDENCE OVER SCALED. DO NOT SCALE REDUCED SIZE DRAWINGS. VERIFY DIMENSIONS PRIOR TO COMMENCING ANY WORKS.

TITLE: HAMILTON STREET CROSS SECTIONS		A3
PROJECT: MEISSNER STREET EXTENSION WORKS		No. 22 of 26 DRAWINGS
WEINAM CREEK REDLAND BAY		Job No. FC-25-021
FOR REDLAND INVESTMENT CORPORATION PTY LTD		DWG No. C-0602
		0 A B C D E



1. PROVIDE SUBSOIL DRAINS AS SHOWN ON TYPICAL SECTIONS. MAY BE OMITTED WHERE STORMWATER PIPES ARE SHOWN ON DRAWINGS
2. NOTIFY ALL RELEVANT AUTHORITIES PRIOR TO COMMENCEMENT OF WORK WITHIN EXISTING ROAD RESERVES.
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 REPAIRS TO EXISTING SERVICES SHALL BE PAID FOR BY THE CONTRACTOR.
4. ALL WORK SHALL CONFORM WITH REDLAND CITY COUNCIL PLANNING SCHEME POLICY AND COUNCIL SPECIFICATIONS IN ADDITION TO THESE PLANS AND ESQ'S DOCUMENTATION.
5. 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.
6. PROVIDE TRAFFIC MANAGEMENT, LINEMARKING AND SIGNAGE TO THE CURRENT "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" / AS1742 REQUIREMENTS.
7. ALL EXISTING INFRASTRUCTURE AND ROAD FURNITURE WITHIN THE AREA OF WORKS TO BE SUITABLY RELOCATED AND MADE GOOD.

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

REVISIONS		ISSUE DATE	SCALE:	PRELIMINARY APPROVED:  RPEQ: 21977 APPROVED DATE: 5/06/2025 NTS	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	 Engineering Solutions Qld 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. 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 OR OTHER THAN ITS INTENDED PURPOSE OR WHERE THE DRAWING HAS BEEN ALTERED, AMENDED OR CHANGED EITHER MANUALLY OR ELECTRONICALLY BY ANY THIRD PARTY. THIS IS AN UNCONTROLLED DOCUMENT ISSUED FOR INFORMATION PURPOSES ONLY, UNLESS THE CHECKED SECTIONS ARE SIGNED OR COMPLETED. FIGURED DIMENSIONS TAKE PRECEDENCE OVER SCALED. DO NOT SCALE REDUCED SIZE DRAWINGS. VERIFY DIMENSIONS PRIOR TO COMMENCING ANY WORKS.	TITLE: C.M.P INDEX & STANDARD NOTES										A3
E			NTS				PROJECT: No. 23 of 26 DRAWINGS										
D							MEISSNER STREET EXTENSION WORKS										
C							Job No. DWG No.										
B							FC-25-021 C-0700										
A							WEINAM CREEK REDLAND BAY										
O	ORIGINAL ISSUE	5/06/2025	DO NOT SCALE FROM PLAN	FOR REDLAND INVESTMENT CORPORATION PTY LTD										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 MRTS51, 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.

REVISIONS		ISSUE DATE	SCALE: NTS	PRELIMINARY APPROVED:  RPEQ: 21977 APPROVED DATE: 5/06/2025	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	 Engineering Solutions Qld	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. 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. THIS IS AN UNCONTROLLED DOCUMENT ISSUED FOR INFORMATION PURPOSES ONLY, UNLESS THE CHECKED SECTIONS ARE SIGNED OR COMPLETED, FIGURED DIMENSIONS TAKE PRECEDENCE OVER SCALED, DO NOT SCALE REDUCED SIZE DRAWINGS. VERIFY DIMENSIONS PRIOR TO COMMENCING ANY WORKS.	TITLE: CONSTRUCTION MANAGEMENT PLAN		A3
E										
D										
C										
B										
A										
O ORIGINAL ISSUE		5/06/2025	DO NOT SCALE FROM PLAN				PROJECT: MEISSNER STREET EXTENSION WORKS WEINAM CREEK REDLAND BAY FOR REDLAND INVESTMENT CORPORATION PTY LTD		No. 24 of 26 DRAWINGS Job No. FC-25-021 FC-25-021 DWG No. C-0701 C-0701 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

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 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.

REVISIONS		ISSUE DATE	SCALE:	PRELIMINARY APPROVED: RPEQ: 21977 APPROVED DATE: 5/06/2025	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	 Engineering Solutions Qld	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.										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.										THIS IS AN UNCONTROLLED DOCUMENT ISSUED FOR INFORMATION PURPOSES ONLY. UNLESS THE CHECKED SECTIONS ARE SIGNED OR COMPLETED, FIGURED DIMENSIONS TAKE PRECEDENCE OVER SCALED. DO NOT SCALE REDUCED SIZE DRAWINGS. VERIFY DIMENSIONS PRIOR TO COMMENCING ANY WORKS.																																																																																
E			NTS				TITLE: EROSION & SEDIMENT CONTROL NOTES																														A3																																																																						
D							PROJECT: MEISSNER STREET EXTENSION WORKS															No. 25 of 26 DRAWINGS																																																																																					
C							WEINAM CREEK REDLAND BAY															Job No.															DWG No.																																																																						
B							FOR REDLAND INVESTMENT CORPORATION PTY LTD															FC-25-021															C-0702																																																																						
A																						O															A															B															C															D															E										
O	ORIGINAL ISSUE	5/06/2025	DO NOT SCALE FROM PLAN																																																																																																								

LEGEND

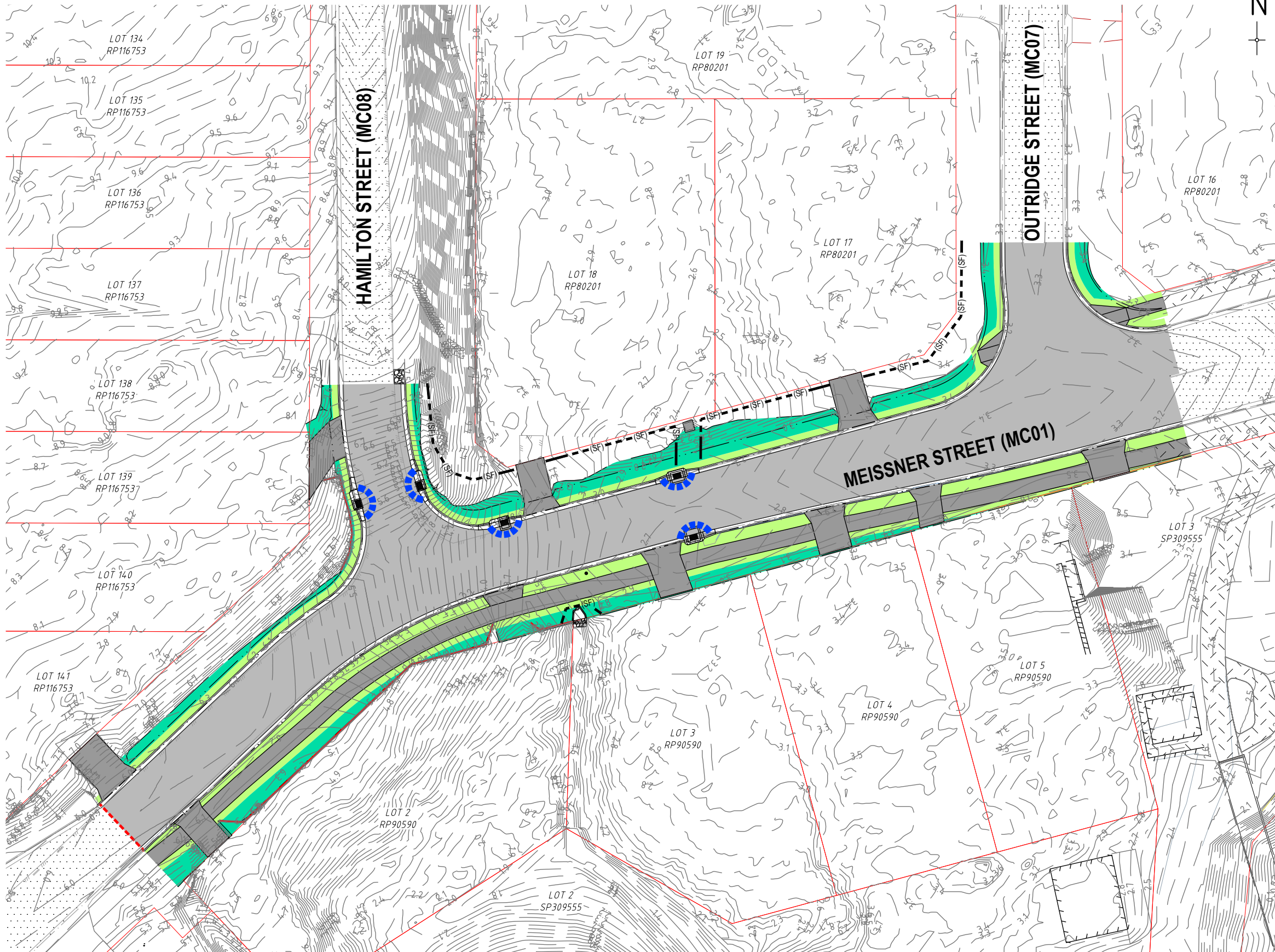
- EXISTING LOT BOUNDARY
- PROPOSED CONCRETE FOOTPATH
- PROPOSED BOTTOM OF BATTER
- PROPOSED TOP OF BATTER
- PROPOSED CHANGE OF GRADE
- PROPOSED KERB AND CHANNEL
- PROPOSED MAJOR CONTOURS
- PROPOSED MINOR CONTOURS
- TEMPORARY SEDIMENT CONTROL
- PROPOSED SEDIMENT FENCE
- PROPOSED AREA OF TURF
- PROPOSED AREA OF HYDROMULCH
- PROPOSED PAVEMENT SURFACING
- PROPOSED CONCRETE
- PROPOSED ROCK

C.M.P NOTES

- 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.
- APPROPRIATE EROSION & SEDIMENT CONTROL DEVICES TO BE ADVISED BY SUPERINTENDENT FOR DURATION OF WORKS.
- REFER IPWEAQ STD. DWG. NO. DSD-301 & DSD-302 FOR DETAILS OF THE PROPOSED E&S STRUCTURES.
- ALL DISTURBED AREAS TO BE TOPSOILED AND HYDROMULCHED U.N.O.

NOTES:

- CONTOURS SHOWN DEPICT DESIGN SURFACE AND ARE AT 0.1m INTERVALS.
- FOR EROSION AND SEDIMENT CONTROL NOTES REFER TO DWG C-0702.



REVISIONS	ISSUE DATE
E	
D	
C	
B	
A	
0 ORIGINAL ISSUE	5/06/2025

SCALE:
0 5 10 15
SCALE 1:500 (m)
DO NOT SCALE FROM PLAN

PRELIMINARY
APPROVED:
RPEQ: 21977
APPROVED DATE: 5/06/2025

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.

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.

THIS IS AN UNCONTROLLED DOCUMENT ISSUED FOR INFORMATION PURPOSES ONLY. UNLESS THE CHECKED SECTIONS ARE SIGNED OR COMPLETED, FIGURED DIMENSIONS TAKE PRECEDENCE OVER SCALED, DO NOT SCALE REDUCED SIZE DRAWINGS. VERIFY DIMENSIONS PRIOR TO COMMENCING ANY WORKS.

TITLE: EROSION & SEDIMENT CONTROL PLAN	A3
PROJECT: MEISSNER STREET EXTENSION WORKS	No. 26 of 26 DRAWINGS
WEINAM CREEK REDLAND BAY	Job No. FC-25-021
FOR REDLAND INVESTMENT CORPORATION PTY LTD	DWG No. C-0703
	0 A B C D E