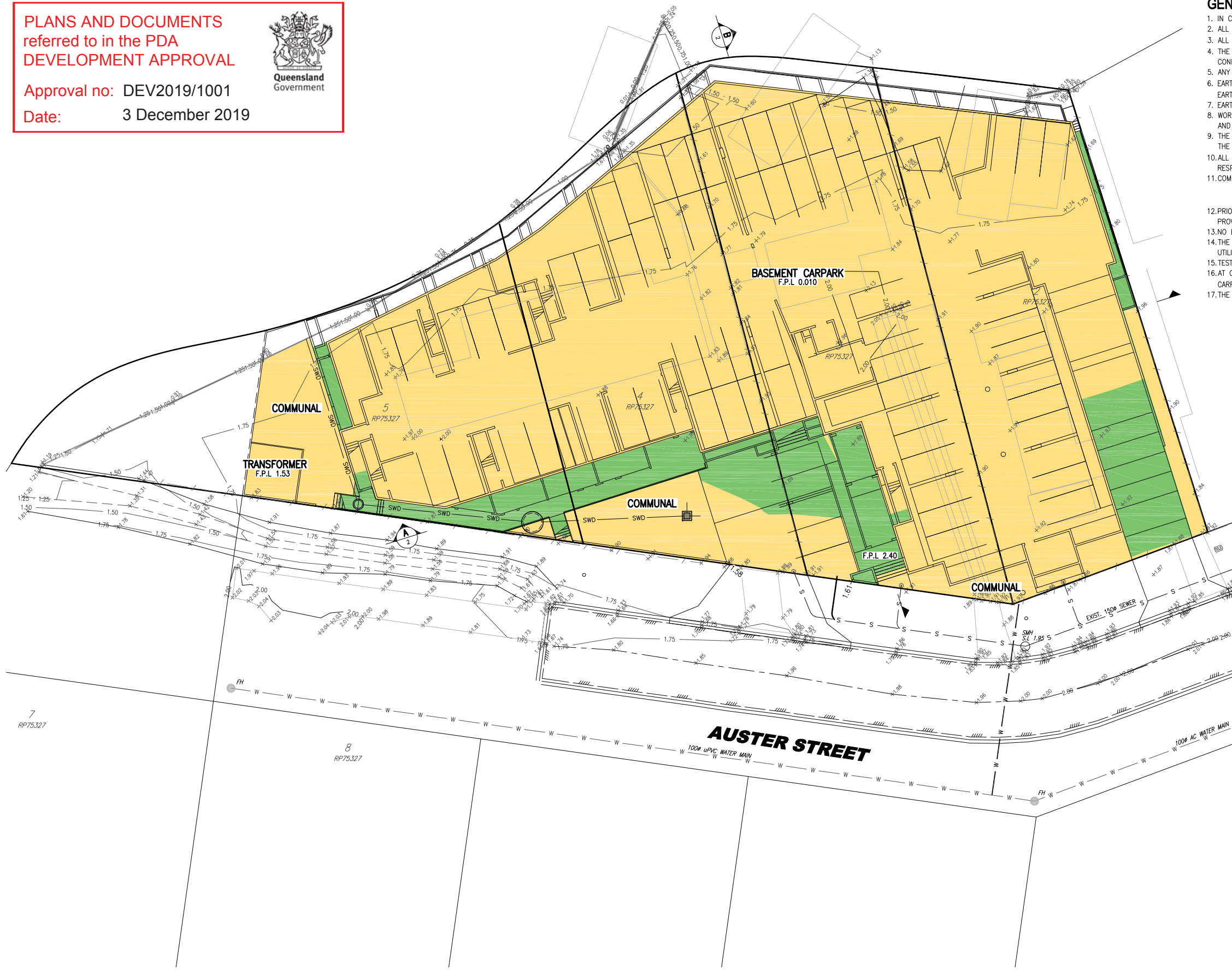


PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2019/1001
Date: 3 December 2019



GENERAL NOTES

1. IN CASE OF DOUBT - ASK!
2. ALL LEVELS TO AHD, DIMENSIONS IN METERS U.N.O
3. ALL LIAISON WITH LOCAL, STATE & STATUTORY AUTHORITIES IS THE CONTRACTOR'S RESPONSIBILITY.
4. THE LOCATION OF EXISTING SERVICES IS FOR CONTRACTOR'S INFORMATION ONLY, THE LOCATION OF SERVICES WILL BE CONFIRMED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF WORKS.
5. ANY DAMAGE CAUSED TO THE EXISTING SERVICE WILL BE MADE GOOD AT THE CONTRACTORS EXPENSE.
6. EARTHWORKS PROCEDURES ARE TO BE CARRIED OUT IN ACCORDANCE WITH AS 3798 - 2007 "GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS".
7. EARTHWORKS OPERATIONS ARE TO BE CARRIED OUT IN GENERAL ACCORDANCE WITH THE GEOTECHNICAL REPORT.
8. WORKS NOT SPECIFICALLY REFERRED TO, ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE GENERAL DRAWINGS AND SPECIFICATIONS OF THE LOCAL AUTHORITY.
9. THE CONTRACTOR IS TO ALLOW FOR ALL FEES AND HAULAGE COSTS ASSOCIATED WITH DISPOSAL OF MATERIAL FROM THE SITE.
10. ALL COSTS ASSOCIATED WITH NOISE AND DUST SUPPRESSION FOR SITE WORKS ARE DEEMED THE CONTRACTOR'S RESPONSIBILITY.
11. COMPACTION STANDARDS
 - "MODIFIED" TO AS 1289 TEST 5.2.1
 - "STANDARD" TO AS 1289 TEST 5.1.1
12. PRIOR TO COMMENCEMENT OF WORKS THE CONTRACTOR WILL PROVIDE SCOUR AND EROSION PROTECTION INCLUDING PROVISION OF SILT TRAPS AND FENCES TO MINIMISE DEPOSITION OF MATERIAL DOWNSTREAM OF THE PROPERTY.
13. NO BLASTING WILL BE PERMITTED.
14. THE LOCATION OF THE SITE SHEDS, SITE OFFICE AND AMENITIES BUILDING WILL BE LOCATED TO SUIT TEMPORARY UTILITY SERVICES OR AS AGREED WITH THE MANAGER.
15. TESTING FREQUENCY AS 3798 - 2007 SECTION 8.0 OR AS APPROVED BY THE GEOTECHNICAL ENGINEER.
16. AT COMPLETION OF CONSTRUCTION THE CONTRACTOR SHALL ARRANGE FOR AN INDEPENDENT LICENSED SURVEYOR TO CARRY OUT A "WORKS AS CONSTRUCTED" SURVEY AND SUBMIT THE DETAIL PLAN TO THE MANAGER.
17. THE LOCATION OF TEMPORARY STOCKPILES DURING CONSTRUCTION IS TO BE AGREED WITH THE MANAGER.

EARTHWORKS SUMMARY

AREA OF CUT - 2751m²
VOLUME OF CUT - 4297m³
AREA OF FILL - 394m²
VOLUME OF FILL - 320m³

THE EARTHWORKS VOLUMES SHOWN ARE INDICATIVE NETT FIGURES ONLY BETWEEN EXISTING SURFACE LEVEL AND FINISHED EARTHWORKS LEVEL AND DO NOT ALLOW FOR DEMOLITION WORKS, STRIPPING OF TOPSOIL, UNSUITABLE MATERIAL AND VEGETATION OR COMPACTION LOSSES.

PAVEMENT LEVELS SHOWN ARE 250mm BELOW F.S.L
BUILDING PAD LEVELS SHOWN ARE 300mm BELOW F.S.L
LANDSCAPING LEVELS SHOWN ARE 100mm BELOW F.S.L

EARTHWORKS LEVELS MAY BE ADJUSTED TO SUIT FFL'S AND CONCRETE THICKNESS BASED ON STRUCTURAL DESIGN AS APPROVED BY SUPERINTENDENT.

AREA OF FILL - AREA OF CUT -

NOTE:
TEMPORARY EXCAVATIONS ARE TO BE SUPERVISED BY A SUITABLY QUALIFIED GEOTECHNICAL ENGINEER.

ALL RETAINING WALLS LOCATED WITHIN THE SITE TO STABILISE CUT ARE TO BE WHOLLY WITHIN THE PROPERTY BOUNDARY INCLUDING ALL ASSOCIATED FOOTINGS AND SUB-SOIL DRAINAGE.

CONTRACTOR TO USE EXCAVATION TECHNIQUE THAT WILL PREVENT SUBSIDANCE WITHIN NEIGHBOURING PROPERTIES IN ACCORDANCE WITH GEOTECHNICAL ENGINEERS REPORT AND ADVICE ON SITE.

LEGEND

	ASPHALTIC PAVEMENT		STORMWATER NUMBER
	REINFORCED CONCRETE PAVEMENT		WATER RETICULATION U.P.V.C.
	PROPOSED SEWER MANHOLE		WATER RETICULATION D.I.C.L.
	EXISTING SEWER MANHOLE		WATER RETICULATION CONDUIT
	EXISTING SEWER		GATE VALVE
	SEWER MANHOLE NUMBER		FIRE HYDRANT
	ON GRADE GULLY PIT		WATER METER
	SAG GULLY PIT		DUAL OUTLET HYDRANT
	600 x 600 FIELD INLET		SWABBING FIRE HYDRANT
	900 x 600 FIELD INLET		WATER SERVICE FITTING
	1050 DIA FIELD INLET		TELEPHONE
	STORMWATER LINE		ELECTRICITY
	STORMWATER HEADWALL		EDGE OF BITUMEN
			FENCE

EARTHWORKS PLAN

SCALE 1:200
(A1 SIZE)

PRELIMINARY
NOT FOR CONSTRUCTION



STRUCTURAL+CIVIL+ENVIRONMENTAL ENGINEERS
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E nsw@westerapartners.com.au

SURVEYOR
JDA CONSULTANTS PTY LTD
(07) 3252 3777

DATUM
AHD
PSM 120561
RL 1.906

USE FIGURED DIMENSIONS ONLY. DO NOT SCALE. IF A DISCREPANCY ARISES CHECK WITH THE PROJECT ENGINEER AND/OR SUPERVISING AUTHORITY. DO NOT WORK FROM REDUCED SCALE DRAWINGS (A1-A3 SIZE PAPER). COPYRIGHT OF ALL DRAWINGS & WORKS EXECUTED FROM THEM IS VESTED IN WESTERA PARTNERS AND USE OF THERE FORE WITHOUT PERMISSION IS STRICTLY PROHIBITED IT IS THE BUILDERS RESPONSIBILITY TO ENSURE ALL WORKS ARE CARRIED OUT WITH DUE CARE AND DILIGENCE TO COMPLY WITH THE CONTRACT DOCUMENTS.

No.	DATE	REVISIONS
A	18.01.2019	CLIENT NAME AMENDED

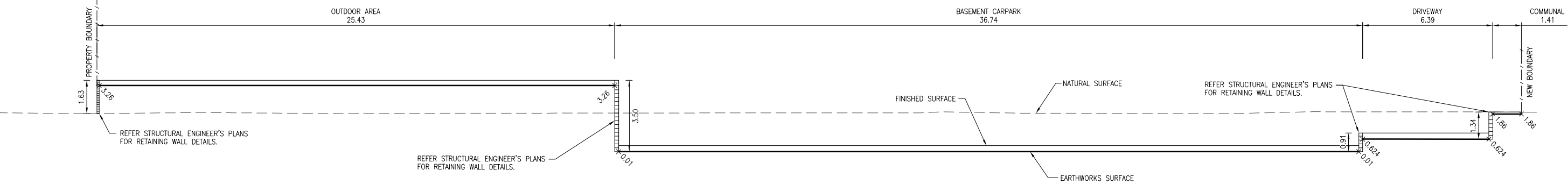
SHEET	EARTHWORKS PLAN
PROJECT	PROPOSED RESIDENTIAL DEVELOPMENT
LOCATION	LOTS 2-5 ON RP75327 10 AUSTER STREET, REDLAND BAY
CLIENT	12 AUSTER STREET PTY LTD

APPROVED

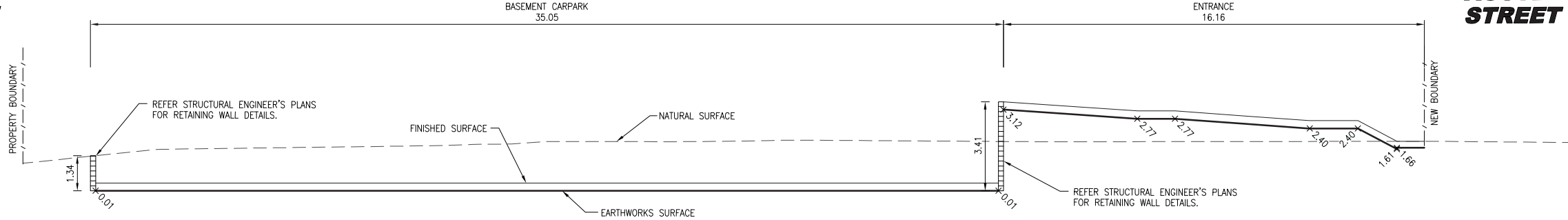
S. IDE RPEQ 12231
For and on behalf of
WESTERA PARTNERS PTY LTD.

DESIGNED	J.M.H.	SHEET NUMBER	1 OF 2
DRAWN	D.C.H.	REVISION	A
DATE DRAWN	JAN 2019	PROJECT NUMBER	B18/082 E
FILE NAME	EARTHWSK.dwg		

AUSTER STREET



WEINAM CREEK



NOTE:
TEMPORARY EXCAVATIONS ARE TO BE SUPERVISED BY A SUITABLY QUALIFIED GEOTECHNICAL ENGINEER.

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CONTRACTOR TO USE EXCAVATION TECHNIQUE THAT WILL PREVENT SUBSIDANCE WITHIN NEIGHBOURING PROPERTIES IN ACCORDANCE WITH GEOTECHNICAL ENGINEERS REPORT AND ADVICE ON SITE.

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2019/1001
Date: 3 December 2019



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No.	DATE	REVISIONS
A	18.01.2019	CLIENT NAME AMENDED

SHEET	EARTHWORKS SECTIONS
PROJECT	PROPOSED RESIDENTIAL DEVELOPMENT
LOCATION	LOTS 2-5 ON RP75327 10 AUSTER STREET, REDLAND BAY
CLIENT	12 AUSTER STREET PTY LTD

APPROVED

S. IDE RPEQ 12231
For and on behalf of
WESTERA PARTNERS PTY LTD.

DESIGNED	J.M.H.	SHEET NUMBER	2 OF 2
DRAWN	D.C.H.	REVISION	A
DATE DRAWN	JAN 2019	PROJECT NUMBER	B18/082 E
FILE NAME	EARTHWS.dwg		