

ROD - 0417 779 245	WEEKLY PROGRAMME - CIVIL WORKS		MONTH - JULY/AUGUST			
Day/Date	MONDAY 12/07/2021	TUESDAY 13/07/2021	WEDNESDAY 14/07/2021	THURSDAY 15/07/2021	FRIDAY 16/07/2021	SATURDAY 17/07/2021
Job Site					Paladin Willawong	
Activity/Task					Float 1.1	
Resources					20T	
Day/Date	MONDAY 19/07/2021	TUESDAY 20/07/2021	WEDNESDAY 21/07/2021	THURSDAY 22/07/2021	FRIDAY 23/07/2021	SATURDAY 24/07/2021
Job Site	Paladin Willawong	Paladin Willawong	Paladin Willawong	Paladin Willawong	Paladin Willawong	
Activity/Task	Topsoil strip 3.7	Topsoil strip 3.7	Topsoil strip 3.7	Final trim 3.8	Import fill 3.13 Stand down	
	Tree removal 3.3				Fence removal 3.4	
	Fence removal 3.4					
Resources	20T	20T	20T			
	10m3 3.3- 3.4	Pink	T&D Shane	12- 15T Pad foot	12- 15T Pad foot 3.13	
	Labour James 3.4		15m3 John	Labour	20T 3.13	
					Labour James 3.4	
					Import fill Pink 3.13	
					5T Combo grab 3.4	
					Labour Jack 3.4	
					6m3 Tipper 3.4	
Day/Date	MONDAY 26/07/2021	TUESDAY 27/07/2021	WEDNESDAY 28/07/2021	THURSDAY 29/07/2021	FRIDAY 30/07/2021	
Job Site	Paladin Willawong	Paladin Willawong	Paladin Willawong	Paladin Willawong	Paladin Willawong	
Activity/Task	Stand down VW001	Stand down VW001	VW003	VW003	VW003	
				VW001 Standown	VW004	
					VW001 Standown	
					Fence removal 3.4	
Resources	12- 15T Pad foot 3.13	12- 15T Pad foot 3.13	12- 15T Pad foot	20T	20T	
				EPH trucks	EPH trucks	
	20T 3.13	20T 3.13	20T	12- 15T Pad foot	5T Grab	
					10m3	
					Labour James	
		Vision Survey 1.4			12- 15T Pad foot	
					5T grab 3.4	
					10m3 3.4	
					Labour 3.4	
					3.4 to be done after VW004	
					Vision Survey 1.4	
Day/Date	MONDAY 02/08/2021	TUESDAY 03/08/2021	WEDNESDAY 04/08/2021	THURSDAY 05/08/2021	FRIDAY 06/08/2021	
Job Site	Paladin Willawong	Paladin Willawong	Paladin Willawong	Paladin Willawong	Paladin Willawong	
Activity/Task	VW004	VW004	Stand down VW001	Stand down VW001	Stand down VW001	
	Stand down VW001	Stand down VW001	Subgrade replacement	Subgrade replacement		
Resources	3T combo	3T combo	12-15T Smooth drum roller	12-15T Smooth drum roller	12-15T Smooth drum roller	
	Labour	Labour	21tn excavator	21tn excavator	21tn excavator	
	10m3- 9am	10m3- 9am				
	12-15T Smooth drum roller	12-15T Smooth drum roller				
	TBC roller change out	TBC roller change out				

ROD - 0417 779 245	WEEKLY PROGRAMME - CIVIL WORKS		MONTH - JULY/AUGUST			
Day/Date	MONDAY 9/08/2021	TUESDAY 10/08/2021	WEDNESDAY 11/08/2021	THURSDAY 12/08/2022	FRIDAY 13/08/2023	
Job Site	Paladin Willawong	Paladin Willawong	Paladin Willawong	Paladin Willawong	Paladin Willawong	
Activity/Task	Stand down VW001	VW005	VW005	VW005	VW005	
		Subgrade replacement	Subgrade replacement	Subgrade replacement	Subgrade replacement	
		Box out Driveway cut to fill 3.12	Box out Driveway cut to fill 3.12	VW006	Pad 2 300mm thick	
Resources						
		Pozi	Pozi	Pozi	Pozi	
		CBR 45 Hansons	CBR 45 Hansons	CBR 45Hansons	CBR 45Hansons	
	12-15T Smooth drum roller	12-15T Smooth drum roller	12-15T Smooth drum roller	12-15T Smooth drum roller	12-15T Smooth drum roller	
	21tn excavator	Labour Paul	Labour Paul	Labour/Roller Paul	Labour/Roller Paul	
		30/30 Combi Grid	30/30 Combi Grid	30/30 Combi Grid		
		21tn Excavator Callum	21tn Excavator Callum			
				10m3 Tipper		
				21T Excavator		
Day/Date	MONDAY 16/08/2021	TUESDAY 17/08/2021	WEDNESDAY 18/08/2021	THURSDAY 19/08/2021	FRIDAY 20/08/2021	
Job Site	Paladin Willawong	Paladin Willawong	Paladin Willawong	Paladin Willawong	Paladin Willawong	
		VW005	VW005	VW005	VW005	
Activity/Task	Import fill 3.13	150mm CBR 2.2 layer	Trim back pad and start pavement	Trim external pavement	Trim pavement and main pad	
					VW010	
Resources	Pozi	Pozi Callum	Pozi Ash	Pozi Ash	Pozi Ash	
	EPH import	12- 15T roller	12- 15T roller	3tn Roller/labour Paul	3tn Roller/labour Paul	
	12-15T Smooth drum roller	Labour Paul	Labour Paul		Body Truck first up	
	Labour/ Roller driver Paul	Hansons		12tn roller pick up	full site pickup Arty	
		5t Combo				
					Pozi	
					20m3 Truck & Dog	

Call forward sheet

Site address: 491 Gooderham Rd, Willawong
Client: Paladin Group
Contact No: 0417 779 245

Project No: 072021
Site Manager Rod Carsburg
Office Number: 3287 8033

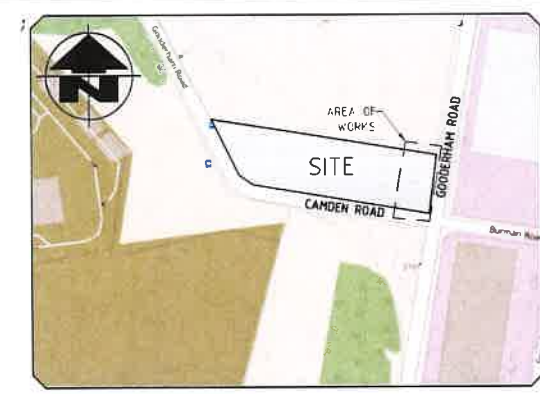
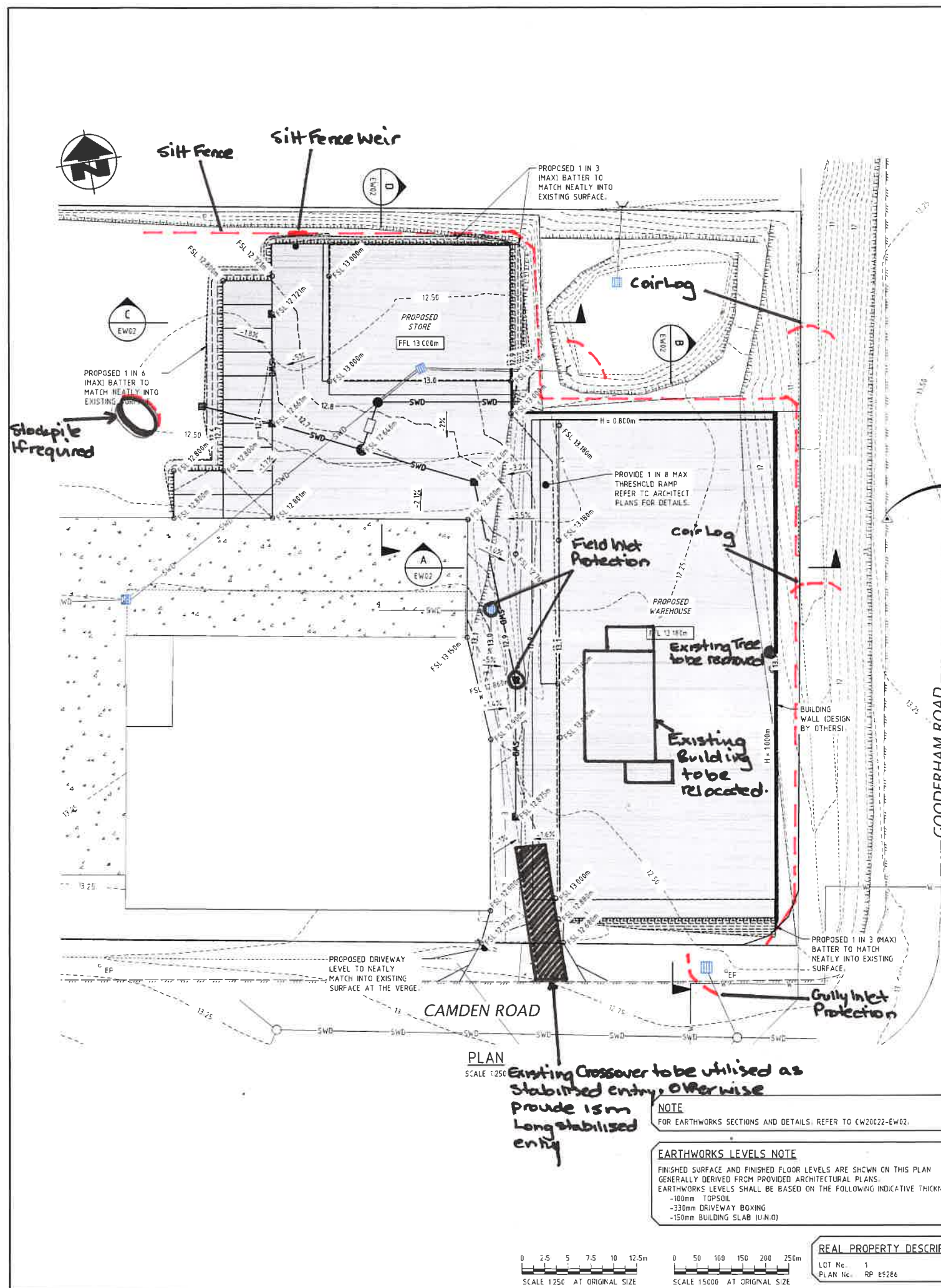
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Construction Project Schedule

Project Name	Paladin Projects
Project Address	491 Gooderham Rd, Willawong
Project Manager	Rod Carsburg
Project Start Date	21/06/2021

Enter the date for Monday of the first week of work

[illegible]



DO NOT SCALE. CONFIRM ALL DIMENSIONS ON SITE.

ISSUE	AMENDMENT	DATE
A	PRELIMINARY ISSUE	12.10.20
B	ISSUE FOR TENDER	15.03.21
C	MINOR AMENDMENT ISSUE	06.04.21
D	ISSUE FOR CONSTRUCTION	07.07.21

LEGEND

- SWD— PROPOSED STORMWATER
- SWD— EXISTING STORMWATER
- S— EXISTING SEWER
- PROPOSED CUT EXTENT
- PROPOSED FILL EXTENT
- FSL 14.000 FINISHED SURFACE LEVELS
- H = 0.200m RETAINING WALL HEIGHT SHOWN ON HIGH SIDE
- E.O--- EXISTING SURFACE CONTOURS
- S.O--- PROPOSED SURFACE CONTOURS
- T.O--- PROPOSED TOP OF BATTER
- T.E--- PROPOSED TOE OF BATTER
- FFL 13.000 PROPOSED FINISHED FLOOR LEVEL
- S.F--- Silt Fence
- S.E--- Stabilised Entry/Exit

EARTHWORKS VOLUMES

TOPSOIL VOLUMES	
TOPSOIL STRIP (ASSUMED 100mm)	= 287m³
RESPREAD TOPSOIL (100mm)	= 287m³
DISPOSAL OF TOPSOIL	= 0m³

BANK VOLUMES	
CUT	= 5m³
FILL	= 1113m³

ESTIMATED BULKING FACTORS

CUT (1.15 BULKING)	= 6m³
FILL (0.95 COMPACTION)	= 1166m³
BALANCE	= 1162m³ (IMPORT)

NOTE
NO GEOTECHNICAL TESTING HAS BEEN UNDERTAKEN TO CONFIRM DEPTH OF TOPSOIL. CONTRACTOR TO CONFIRM BULKING FACTORS. UNSUITABLE MATERIALS ON SITE HAVE NOT BEEN QUANTIFIED AS NO GEOTECHNICAL REPORT WAS PRESENT DURING DESIGN PHASE.

EXCAVATION REQUIREMENTS

RPEQ DESIGNED SHORING SYSTEM TO BE OBTAINED PRIOR TO COMMENCEMENT OF WORKS ON SITE. CONTRACTOR TO ENSURE EXCAVATION FACE ADJACENT TO BOUNDARY IS IN A STABLE STATE AT ALL TIMES DURING CONSTRUCTION. CONTRACTOR TO ENSURE NO DAMAGE OCCURS TO ADJOINING PROPERTIES DURING CONSTRUCTION.

- EARTHWORKS NOTES**
- THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORK. ALL EXISTING SERVICES AND STRUCTURES ARE TO BE MAINTAINED IN GOOD ORDER FOR THE DURATION OF THE CONTRACT. ANY COSTS ASSOCIATED WITH REPAIRING DAMAGE TO EXISTING SERVICES SHALL BE PAID FOR BY THE CONTRACTOR.
 - THE CONTRACTOR SHALL VERIFY BENCH MARK LEVELS AND ADVISE THE SUPERINTENDENT OF ANY DISCREPANCY BEFORE COMMENCEMENT OF CONSTRUCTION.
 - ALL LEVELS ARE TO A.H.D.
 - THE ENTIRE SITE SHALL BE CLEARED OF ALL UNDESIRABLE MATTER. THIS SHALL INCLUDE DEAD TIMBER, GRASS, OLD FOUNDATIONS, CONCRETE, REDUNDANT MASONRY REMAINS, GARBAGE, DEBRIS, AND ALL OTHER OBSTRUCTIONS TO THE WORKS UNLESS NOTED OTHERWISE. HOLES LEFT BY THE REMOVAL OF ANY OF THE ABOVE SHALL BE FILLED WITH APPROVED COMPACTED MATERIAL WITH PROPERTIES AT LEAST SIMILAR TO INSITU SOILS.
 - CLEARED MATERIAL AND EARTHWORKS SPOIL SHALL BE REMOVED FROM THE SITE.
 - THE CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY ALL EARTHWORKS AND CLEARING OPERATIONS.
 - SITE EARTHWORKS GENERALLY, SHALL BE CARRIED OUT IN ACCORDANCE WITH AUSTRALIAN STANDARD AS 3798, GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS, UNLESS NOTED OTHERWISE.
 - TOPSOIL WHERE ENCOUNTERED SHALL BE STRIPPED AND STOCKPILED PRIOR TO THE COMMENCEMENT OF ANY EARTHWORKS OPERATION. THE LOCATION OF THE STOCKPILE ON SITE SHALL BE AS DIRECTED BY THE SUPERINTENDENT.
 - IF DURING EARTHWORKS OPERATIONS UNSUITABLE SUBGRADE MATERIAL IS ENCOUNTERED THEN, PRIOR TO ANY FILLING OPERATION, THIS MATERIAL SHALL BE REMOVED AND REPLACED AS DIRECTED BY THE SUPERINTENDENT WITH AN APPROVED SUITABLE MATERIAL.
 - FILL MATERIAL SHALL BE COMPACTED TO THE FOLLOWING STANDARD, WHERE DRY DENSITY RATIO IS DETERMINED IN ACCORDANCE WITH AS 1289 USING STANDARD COMPACTION METHODS:
 - 100% DRY DENSITY RATIO IN COHESIVE MATERIAL OR 80% IN COHESIONLESS MATERIAL FOR ROAD SUBGRADE.
 - 95% DRY DENSITY RATIO IN COHESIVE MATERIAL OR 45% IN COHESIONLESS MATERIAL FOR ALL AREAS OTHER THAN THE ROADWAY AND BUILDING PADS.
 - 98% DRY DENSITY RATIO IN COHESIVE MATERIAL OR 70% IN COHESIONLESS MATERIAL FOR BUILDING PADS.
 - PRIOR TO CONSTRUCTION, THE CONTRACTOR IS TO CONFIRM WITH THE STRUCTURAL ENGINEER THE MAXIMUM MACHINERY LOAD TO BE USED WHEN BACKFILLING BEHIND RETAINING WALLS. CONTRACTOR TO ENSURE A MINIMUM 15% HEIGHT OF WALL (in CLEARANCE) IS MAINTAINED FROM TOP OF RETAINING WALL FOR ALL MACHINERY EXCEEDING THE DESIGNED LOAD. FILL ON TOP OF FOOTING AND DIRECTLY BEHIND WALL TO BE COMPACTED USING WHACKER PACKER OR SIMILAR.
 - THROUGHOUT THE EARTHWORKS OPERATION THE CONTRACTOR IS TO ENSURE THAT THE SITE IS SELF DRAINING. DAMAGE RESULTING FROM THE EXPOSURE SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.
 - ALL EARTHWORKS TO BE CARRIED OUT UNDER LEVEL 1 SUPERVISION IN ACCORDANCE WITH AUSTRALIAN STANDARD AS 3798 UNLESS DIRECTED OTHERWISE BY THE SUPERINTENDENT.

DIAL BEFORE YOU DIG NOTE

IT IS THE CONTRACTORS RESPONSIBILITY TO CONTACT 'DIAL BEFORE YOU DIG' PH.1100 FOR THE LOCATION OF EXISTING PUBLIC UTILITIES PRIOR TO EXCAVATION. ANY DAMAGE CAUSED TO EXISTING PUBLIC UTILITIES BY THE CONTRACTOR WILL BE REPAIRED BY THE RELEVANT AUTHORITY AT THE CONTRACTORS EXPENSE.

EARTHWORKS EROSION CONTROL

GROUND COVERAGE OF 80% ON ALL DISTURBED AREAS IS REQUIRED WITHIN 30 CALENDAR DAYS FROM COMPLETION OF ANY WORKS. SHOULD CONSTRUCTION OF BUILDING WORKS COMMENCE MORE THAN 30 CALENDAR DAYS FROM THE COMPLETION OF CIVIL WORKS, TEMPORARY GROUND COVER (EQUIVALENT OF 80% GRASS COVER) SHALL BE PROVIDED TO ALL DISTURBED AREAS. ANY GRASS SEEDING HYDROMULCHING, AND OR TURFING IS TO BE IN ACCORDANCE WITH BCC REFERENCE SPECIFICATION S190 LANDSCAPING.

EXISTING TREE NOTE

EXISTING TREES WITHIN THE DEVELOPMENT FOOTPRINT TO BE REMOVED HAVE NOT BEEN SHOWN ON PLAN FOR CLARITY. REFER TO DETAILED SURVEY FOR TREE LOCATIONS.

EXISTING SERVICES NOTE

THIS DESIGN HAS BEEN PREPARED BASED ON SERVICE AUTHORITY AS CONSTRUCTED INFORMATION. NO POT HOLING HAS BEEN UNDERTAKEN TO VERIFY EXISTING SERVICE LOCATIONS AND DEPTHS. IT IS THE CONTRACTORS RESPONSIBILITY TO UNDERTAKE POT HOLING TO VERIFY THE DESIGN.

FIRE ANT MOVEMENT CONTROLS

TO PREVENT THE SPREAD OF FIRE ANTS, THE QUEENSLAND GOVERNMENT HAS IMPLEMENTED MOVEMENT CONTROLS IN AREAS OF QUEENSLAND (BIOSECURITY ZONES) WHERE THIS PEST SPECIES HAS BEEN DETECTED. THESE CONTROLS APPLY TO INDIVIDUALS AND COMMERCIAL OPERATORS, AND RESTRICT THE MOVEMENT OF MATERIALS THAT COULD CARRY FIRE ANTS WHICH INCLUDE SOIL, TURF, POTTED PLANTS, MULCH, BALES HAY OR STRAW, ANIMAL MANURES, MINING OR QUARRY PRODUCTS.

NOTE
FOR EARTHWORKS SECTIONS AND DETAILS, REFER TO CW20022-EW02.

EARTHWORKS LEVELS NOTE

FINISHED SURFACE AND FINISHED FLOOR LEVELS ARE SHOWN ON THIS PLAN. GENERALLY DERIVED FROM PROVIDED ARCHITECTURAL PLANS. EARTHWORKS LEVELS SHALL BE BASED ON THE FOLLOWING INDICATIVE THICKNESS

- 100mm TOPSOIL
- 330mm DRIVEWAY BOXING
- 150mm BUILDING SLAB (U.N.O.)

REAL PROPERTY DESCRIPTION

LOT No. 1
PLAN No. RP 65286

PLAN
SCALE 1:250

Existing Crossover to be utilised as stabilised entry otherwise provide 15m long stabilised entry



ASSOCIATED CONSULTANT

PROJECT
491 GOODERHAM ROAD
WILLAWONG

CLIENT
ACE WASTE PTY LTD

TITLE
EARTHWORKS PLAN

CIVILWORKS ENGINEERS
Property Development Solutions

176 Boniface Street, Archerfield, QLD 4108
PO Box 13, Moorooka QLD 4105
T (07) 3195 8180
E info@civilworks.com.au
W www.civilworks.com.au

Designed	Drawn	Date
TD	TD	12.10.20

Approved: *[Signature]* AS SHOWN

Drawing No. **CW20022-EW01** Rev. **0**

Quotation

CARSBURG EARTHMOVING PTY LTD
 PO Box 8
 BANYO QLD 4014

Project Address:

Q
 191 GOODERHAM RD
 WILLAWONG QLD 4110

For the attention of:
Darren McKay

Quotation No: **17666465**
 Version No: **1**
 Quotation Date: 28.06.2021
 Customer Account No: 191896
 Quotation Validity Period: 28.06.2021 to 28.07.2021
 Customer Purchase Order No:
 Customer Phone No: 07-3267-8033
 Customer Fax No:

Item No	Product Description	Quantity	UOM	\$ Rate	\$ GST	\$ Total
0010	ROADBASE TYPE 2.3 C-GRADING	1.00	TO	19.15	1.92	21.07
0020	MINUS 75MM SELECT FILL	1.00	TO	16.15	1.62	17.77

Applicable Surcharges:

Surcharge Item	To be applied
Minimum Cartage Charge	Yes
Outside Hours Charge	No
Excess Discharge Time Charge (Waiting Time)	
Normal Operating Hours	No
Outside Normal Operating Hours	No

Brisbane QLD Sales Office
 PO Box 1636
 Toombul QLD 4012
 ABN 90 009 679 734

Order

A.B.N. 66 631 834 903
A.C.N. 631 834 903

Purchase #: A-16393
Date: 06/08/2021
Ship Via:
Page: 1

Ship To:

Hanson Construction Materials Pty Ltd
PO Box 1636
Toombul Qld 4012

Carsburg Civil Pty Ltd

Description	Amount	Code
3260T Roadbase Type 2.3 @ \$19.15 (as per quote 17666465) Deliver to 491 Gooderham Rd, Willawong 10/08/2021 Contact Rod 0417 779 245	\$62,429.00	GST

Your Invoice #:	Supplier ABN: 90 009 679 734	Freight:	\$0.00	GST	
Shipping Date:	Terms: Net 30	GST:			
COMMENT	CODE	RATE	GST	SALE AMOUNT	
				Total Inc GST:	
				Amount Applied:	\$0.00
				Balance Due:	

Variation Charge Sheet



PROJECT	491 Gooderham Road, Willawong	DATE	24/07/2021
INITIATED BY	Dave	Instruction No.	As per email
AUTHORISED BY	Meg	CV No.	
CHARGED TO	Paladin Projects	IV NO	VW002
DESCRIPTION	Remove topsoil from site		

OI / NI / SI	Materials / Labour / Trades	Unit	Quantity	Rate	\$
	Topsoil remove from site	m3	285	\$ 30.00	\$ 8,550.00
					\$ -
					\$ -
					\$ -
					\$ -
					\$ -
					\$ -
					\$ -
					\$ -
					\$ -
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					\$ -
					\$ -
					\$ -
					\$ -
					\$ -
					\$ -
					\$ -
					\$ -
					\$ -
			Sub Total		\$ 8,550.00
			Overhead & Margin	0.0%	\$ -
			TOTAL SUBMITTED (Ex GST)		\$ 8,550.00

Variation 2: Topsoil removal from site

Quantity - refer dockets (PINK 30612 and CEM 145780 & 145782) 402m3 loose / 1.4 = 285 Tight m3

Rate \$30 - refer BOQ item 3.6

CALCULATIONS	Topsoil	Date	Machine	Hrs/Qty	Rate charged from CEM/Supplier	Cost	Prod'n Rate	Cost per m3
Task	Strip to W							
Production Rate	30	20-Jul	20T Exc	9	143	1287	14.67	\$ 19.03
Unit	m3		PINK Truck	8.75	140	1225 132m3	Low prod'n rate due to not being able to source enough trucks	
Plant								
Exc 20T = 130/hr	\$130.00	21-Jul	10m3 Tipper	8	96	768		
Exc12-15T = 120/hr			20m3 T&D	8	130	1040		
Exc 8-15T = 110/hr			20T Exc	7.5	143	1072.5 270m3	36	\$ 10.67
Exc3-8T = 100/hr								
Drott - \$170/hr						\$ 5,392.50		
Grader - \$190/hr					Charged to client	\$ 8,550.00 285M3 @ \$30		
Bob Cat / Pozzi - \$125/hr								
Spotter - \$65	\$65.00				Profit	\$ 3,157.50		
Body Truck - \$90/hr								
Semi / Moxy - \$125								
Roller - 7T+ \$120/hr								
Roller - 7T- \$100/hr								
Water Cart - \$100/hr								
Profit Analysis:								
No spotter used								
Free Tip close to job site reduced truck hours								
Higher prod'n rate on day 2 due to extra truck (truck and dog)								
Hrly Rate	\$195.00							
Volume - m3	285							
Production Rate - m3/hr	30							
Hrs Required	9.50							
	10	Actual 16.5hrs						
Rate per hr	\$195.00							
Cost	\$1,852.50							
Volume	285.00							
Rate per m3	\$6.50							
Tender rate per m3	\$6.50							
Fill Delivered per m3								
Tender rate per m3								
Dumping Fees	\$19.20							
Margin	\$4.50							
Cost & Margin	\$30.20							
Rounding	\$30							

Subgrade replacement break down



Project	491 Gooderham Rd Willawong	Date	09/08/2021
		Instruction No.	
		CV No.	5
Charged To	Paladin Projects		
Description	Subgrade replacement		

			Unit			\$
Building pad	<i>Subgrade replacement</i>		m3	350	\$ 89.50	\$ 31,325.00
	300mm subgrade remediation layer		m3	356.7	\$ 89.50	\$ 31,924.65
	Supply & place 30/30 Combi grid		m2	1189	\$ 8.50	\$ 10,106.50
	CBR60> 2.2/ 150mm layer		m3	178.35	\$ 80.00	\$ 14,268.00
	Final trim & proof roll		m2	1189	\$ 1.50	\$ 1,780.35
Store Building	Cut to waste in Bldg pad		m3	25	\$ 30.00	\$ 750.00
	<i>Subgrade replacement</i>		m3	190	\$ 75.00	\$ 14,250.00
	CBR60> 2.2 / 150mm layer		m3	44	\$ 80.00	\$ 3,520.00
	Final trim & proof roll		m2	293	\$ 1.50	\$ 439.50
Pavement	Cut to fill		m3	65	\$ 35.00	\$ 2,275.00
	300mm CBR45> 2.3		m3	371.1	\$ 75.00	\$ 27,832.50
	Final trim & proof roll		m2	1237	\$ 2.00	\$ 2,474.00
	Cut to fill excess fill to Building pad.		m3	114.318	\$ 35.00	\$ 4,001.13
						\$ -
						\$ -
						\$ -
						\$ -
						\$ -
						\$ -
						\$ -
						\$ -
						\$ -
						\$ -
						\$ -
						\$ -
				Sub Total		\$ 144,946.63
				Overhead & Margin	0.0%	\$ -
				TOTAL SUBMITTED (Ex GST)		\$ 144,946.63

Variation 5 Rates

CALCULATIONS	10-Aug	11-Aug	12-Aug	13-Aug	17-Aug	
Task	Import 2.3	Import 2.3	Import 2.3	Import 2.3	Import 2.3	Import 2.3
Production Rate	22	25	26	43	27	25
Unit	m3	m3	m3	m3	m3	m3
Plant						
Exc 20T = 130/hr						
Exc12-15T = 120/hr						
Exc 8-15T = 110/hr						
Exc3-8T = 100/hr						
Drott - \$170/hr						
Grader - \$190/hr						
Bob Cat / Pozzi - \$138/hr	\$138.00	\$138.00	\$138.00	\$138.00	\$138.00	\$138.00
Spotter - \$65	\$65.00	\$65.00	\$65.00	\$65.00	\$65.00	\$65.00
Body Truck - \$90/hr						
Semi / Moxy - \$125						
Roller - 7T+ \$120/hr	\$120.00	\$120.00	\$120.00	\$120.00	\$120.00	\$120.00
Roller - 7T- \$100/hr						
Water Cart - \$105/hr						\$105.00
Hrly Rate	\$323.00	\$323.00	\$323.00	\$323.00	\$323.00	\$428.00
Volume - m3	207	266	296	384	263	207
Production Rate - m3/hr	22	25	26	43	27	25
Hrs Required	9.41	10.64	11.38	8.93	9.74	8.28
	9	11	11	9	10	8
Rate per hr	\$323.00	\$323.00	\$323.00	\$323.00	\$323.00	\$428.00
Cost	\$3,039.14	\$3,436.72	\$3,677.23	\$2,884.47	\$3,146.26	\$3,543.84
Volume	207.00	266.00	296.00	384.00	263.00	207.00
Rate per m3	\$14.68	\$12.92	\$12.42	\$7.51	\$11.96	\$17.12
Tender rate per m3	\$14.68	\$12.92	\$12.42	\$7.51	\$11.96	\$17.12
Fill Delivered per m3	\$50.60	\$50.60	\$50.60	\$50.60	\$50.60	\$50.60
Tender rate per m3						
Dumping Fees						
Margin	\$11.42	\$11.12	\$11.03	\$10.17	\$10.95	\$11.85
Cost & Margin	\$76.71	\$74.64	\$74.05	\$68.28	\$73.51	\$79.57
Rounding	\$77	\$75	\$74	\$68	\$74	\$80

Double the amount of trucks

BOQ Rate

Cost reduced

150mm CBR45 layer

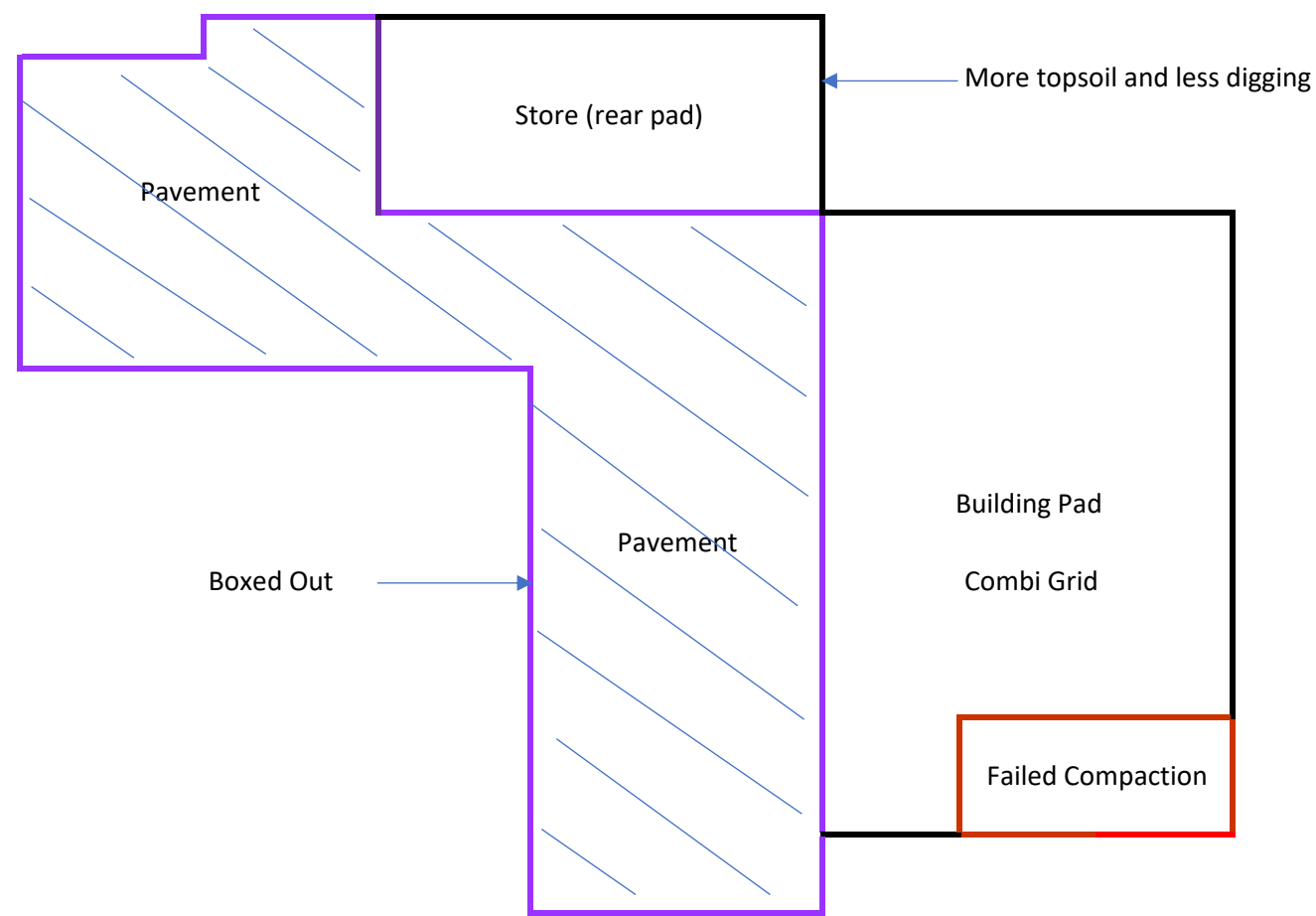
300mm remdiation layer

Subgrade Level

Combi grid

Variation 5 - Subgrade Replacement									
				Unit	Qty	Notes/Calcs	Rate	Notes/Calcs	
10/08 - 12/08	Building Pad	Subgrade Replacement	CUT	m3		350 Refer Topsoil Strip to Subgrade Cut Figure Vision Surveys email 04/08	\$ 89.50	= \$75 + 10 (Body Truck rate) + % for quarry product	
		300mm subgrade remediation layer		m3		356.7 = 1189m2 x .3	\$ 89.50		
10/08 - 12/08		Supply & place 30/30 Combi grid		m2		1189 Refer Topsoil Strip to Subgrade area Figure Vision Surveys email 04/08	\$ 8.50	= \$3.20m2 product cost + labour to lay \$4.19 + % margin	
		CBR60> 2.2/ 150mm layer		m3		178.35 = 1189m2 x .15	\$ 80.00	refer BOQ item 3.11	
		Final Trim & proof roll		m2		1189	\$ 1.50	refer BOQ item 3.9	
17/08 - 18/08	Store Building	Cut to waste in Bldg Pad		m3		25 Refer Vision Surveys email 04/08 Starting Surface to Design FSL Minus 600mm - excess of cut over fill figure	\$ 30.00	Refer BOQ	
		Subgrade Replacement	CUT	m3		190 Refer Vision Surveys email 04/08 Topsoil Strip to subgrade Total Cut figure	\$ 75.00	Refer BOQ item 4.1	
		CBR60> 2.2/ 150mm layer		m3		44 = 293m2 x .15	\$ 80.00		
		Final Trim & proof roll		m2		293 Refer Vision Surveys email 04/08 Starting Surface to Design FSL Minus 600mm	\$ 1.50	Refer BOQ item 3.9	
18-20/08	Pavement	Cut to fill		m3		65 Refer Vision Surveys email 04/08 Starting Surface to FSL Minus 480mm - Total fill figure	\$ 35.00	Refer BOQ item 3.12	
		300mm CBR45> 2.3		m3		371.1 = 1237m2 x .3	\$ 75.00		
		Final Trim & proof roll		m2		1237 Refer BOQ item 3.8	\$ 2.00	Refer BOQ item 3.8	
		Cut to fill excess fill to Bldg pad		m3		114.318 Refer Vision Surveys email 04/08 Starting Surface to FSL Minus 480mm - excess of cut over fill figure	\$ 35.00	Refer BOQ item 3.12	
Costs as per MYOB report/Runsheets			\$	94,608.58					
Costs in addition to MYOB						Profit Analysis:			
Labour	10-Aug	10.5							
Paulie	11-Aug	11.5							
	12-Aug	12							
	17-Aug	11.5							
	18-Aug	9.5							
	19-Aug	9.75							
	20-Aug	10.25							
		75							
	Rate	\$ 65.00							
		\$ 4,875.00							
Total cost			\$	99,483.58					
Charge to client			\$	144,946.63					
Profit			\$	45,463.05					
Machine	Hours	Cost							
20T Excavator	30 (3 days)	\$ 4,290.00							
5T Combo	3	\$ 372.00							
CEM Roller	2days	\$ 520.00							
Conplant 15T Smoothdrum Roller	6days	\$ 1,440.00							
Posi Track	76.75 (8 days)	\$ 10,591.50							
Labour	84.25	\$ 5,476.25							
Truck and dog	3	\$ 390.00							
Combi Grid		\$ 6,061.00							
Hanson 2.3 BT	1090.09T	\$ 28,015.31							
Hanson 2.3 T&D	2170.52T	\$ 41,565.46							
Roller Float		\$ 487.00							
Survey	2.2hrs	\$ 275.00							
		\$ 99,483.52							

Variation 5 Rates



Date	Docket Number	Machine	Task	Hrs	m3	Tonnage	Tolls	Per	Rate	Cost	Invoice	Notes
03/08/2021	VISION	Vision Survey	Download Rods pickups, calculate volumes	1.5					125	187.5	24343	
04/08/2021	VISION	Vision Survey	Re-calc volumes for Rod	0.2					125	25	24343	
04/08/2021	VISION	Vision Survey	Re-calc volume with different pavement depth	0.25					125	31.25	24343	
06/08/2021	GLOBAL	Global Synthetics Combi Grid Roll	Combigrid 30kN/m Geocomposite 4.75x100 building pad					4	1515.25	6061	3923790	
10/08/2021	CONPLANT	Conplant 15T Smoothdrum Roller						1	240	240	353693	
10/08/2021	146716	20 Tonne Excavator	Variation works vw005 building pad	10					143	1430	269319	
10/08/2021	146625	Posi Track (Large)	Place gravel for building pad.	10.5					138	1449	269320	
10/08/2021	HANSON	Hanson Type 2.3 Body Truck	Subgrade			477.12			25.70	12261.98	73489115	
10/08/2021	146315	Labour	Paulie Roller pads-Total station heights...	10.5					65.00	682.50		
11/08/2021	CONPLANT	Conplant 15T Smoothdrum Roller						1	240	240	353693	
11/08/2021	146922	20 Tonne Excavator	box out pavement area	11					143	1573	269319	
11/08/2021	146653	Posi Track (Large)	Place and trim gravel for building pad	11					138	1518	269320	
11/08/2021	HANSON	Hanson Type 2.3 Body Truck	building pad			612.97			25.7	15753.33	73496873	
11/08/2021	146316	Labour	Paulie Roll pad-Box driveway from Gate 1 front wall to Gate 2	11.5					65	747.50		
12/08/2021	HANSON	Hanson Type 2.3 Truck and Trailer	Store + pavement			681.18			19.15	13044.60	73496873	
12/08/2021	146926	20 Tonne Excavator	cut and fill driveway pavement	9					143	1287	269319	
12/08/2021	146654	Posi Track (Large)	Place 2.3 gravel on rear pad and pavement	11.5					138	1587	269320	
12/08/2021	CONPLANT	Conplant 15T Smoothdrum Roller	building pad					0.375	240	90	353693	
12/08/2021	CONPLANT	Conplant 15T Smoothdrum Roller	Pavement					0.375	240	90		
12/08/2021	CONPLANT	Conplant 15T Smoothdrum Roller	Store					0.25	240	60		
12/08/2021	146322	Labour	Paulie Roll front pad	5					65	325		
12/08/2021	146322	Labour	Box Cut and Roll front Driveway to the Back	5					65	325		
12/08/2021	146322	Labour	Roll Back pad	2					65	130		
13/08/2021	CONPLANT	Conplant 15T Smoothdrum Roller						1	240	240	353693	
13/08/2021	147053	Labour	Callum control truck and dogs	9.25					65	601.25	269321	
13/08/2021	146637	Posi Track (Large)	Place 2.3 gravel	9.25					138	1276.5	269320	
13/08/2021	HANSON	Hanson Type 2.3 Truck and Trailer	building pad			883.99			19.15	16928.41	73496874	
17/08/2021	147166	4.5 -6 Tonne Combo	Dug out failed compaction buidling pad	3					124	372	269515	
17/08/2021	HANSON	Hanson Type 2.3 Truck and Trailer				605.35			19.15	11592.45	73507998	
17/08/2021	146639	Posi Track (Large)	spread out 150mm layer of road base over building pad	10					138	1380	269514	
17/08/2021	CONPLANT	Conplant 15T Smoothdrum Roller	building pad					0.375	240	90	353693	
17/08/2021	CONPLANT	Conplant 15T Smoothdrum Roller	Store					0.25	240	60		
17/08/2021	CONPLANT	Conplant 15T Smoothdrum Roller	Pavement					0.375	240	90		
17/08/2021			Paulie Roll pad 2.4 road base..Truck Dockets..Total Staion/Laser Heights... (Clear Big Rocks on side of Padd-Digger Jim Operator/Dig out road base 2.3 in front of office down to Geofabb done 1500hrs.)	11.5					65	747.5		
18/08/2021	CONPLANT	Conplant 15T Smoothdrum Roller	building pad					0.5	240	120	353693	
18/08/2021	CONPLANT	Conplant 15T Smoothdrum Roller	Store					0.5	240	120		
18/08/2021	VISION	Vision Survey	Subgrade volume calc	0.25					125	31.25	24343	
18/08/2021	147020	Posi Track (Large)	Final trim back building pad. Move dirt from pad replace 2.3 gravel. Move gravel from back building pad.	7					138	966	269514	
18/08/2021	147020	Posi Track (Large)	Final trim pavement	2					138	276	269514	
18/08/2021	WILSON	Wilson Auto Float	Float Roller from Yard					1	237	237	W0219264	
18/08/2021	147016	Labour	Paulie Roll all 150 pads/fix pipe corner of Building front entrance...	9.5					65	617.5		
19/08/2021	ROLLER	CEM Roller	Pavement					1	260	260	269518	
19/08/2021	147141	Posi Track (Large)	Trim pavements and move trimmings	9					138	1242	269514	
19/08/2021	147136	Labour	Paulie Roller 180 trim Pavement and around Pitts/Dig and exspose sewer pipe leak x2	9.75					65	633.75		
20/08/2021	147273	Posi Track (Large)	Final trim main building pad and pavement area load out excess material.	6.5					138	897	269516	
20/08/2021	ROLLER	CEM Roller						1	260	260	269518	
20/08/2021	147274	Labour	Paulie Roll all pads and pavements	10.25					65	666.25		
20/08/2021	147294	20m3 Truck & Dog	2 loads of road base from willawong to cem banyo	3					130	390	269517	

Variation 5 Runsheet

23/08/2021	WILSON	Wilson Auto Float Roller 23/08	Pick up CEM Roller and return to Banyo						1	250	250	W0219424
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\$ 99,483.52

Ref: PG-6626, 2021-07-29, LTR VER 1
Author: James Daly

30th July, 2021

Paladin Projects
Email: megr@paladinprojects.com.au

ATTN: MEG REILLY

Dear Meg,

GENERAL GEOTECHNICAL ADVICE – 491 GOODERHAM ROAD, WILLAWONG

1.0 Introduction

As requested by Ms Meg Reilly from Paladin Projects (the Client) the above site was visited by a Principal Geotechnical Engineer from Pacific Geotech on the 28th July 2021.

Based on discussions with the Client, the Structural Engineer, Civil Engineer and civil contractor, whilst onsite it is understood that the site requires between approximately 800mm and 1,800mm of fill to reach the underside of the proposed slab level.

It is understood that the filling is required to be undertaken under Level 1 Supervision, noting that it will be placed over the existing uncontrolled fill.

2.0 Observations

The material observed at the current ground surface level across the site typically comprised weak uncontrolled fill that exhibited significant deflection under proof roll. Based on the supplied geotechnical report for the site it is understood that the fill is up to approximately 3m deep in places across the site and underlain by wet loose to medium dense sands.

The rear portion of the site, where the proposed carpark is to be constructed was also underlain by uncontrolled fill that exhibited less movement under proof roll than the fill in the front portion of the site.

Several photographs of the site at the time of the site inspection are shown in the following Figures.



info@pacgeo.com.au
www.pacgeo.com.au



Figure 1**Figure 2**

3.0 Possible Earthworks Options

Given the proposed final fill levels there are numerous options that can be utilised to bridge over the existing uncontrolled fill. However, it must be noted that no matter which option is chosen, and whilst the existing underlying uncontrolled fill remains, there will be some risk associated with the potential longterm performance of the new fill.

3.1 Proposed Building Area

A possible option for the proposed new fill under the proposed building is given below:

1. Ensure all areas are excavated to at least 800mm below underside of slab level.
2. Given the ruts and depressions previously created by plant, it is recommended a “corrector” course of material be placed over the existing surface. This could comprise sand, road base or some of the existing onsite granular fill and only needs to be thin. It does not need to be compacted; it is merely being placed to give the geotextile a flat surface to be placed on. It is recommended it be placed and spread by low pressure ground machinery (e.g. excavator).
3. Place a single layer of Combigrid 30/30 (or equivalent) as per manufacturers specification over the “corrector” course. Some important points in relation to the Combigrid 30/30 (or equivalent) are given below, (but this list is by no means exhaustive):
 - a. The rolls must be lapped as per manufacturers requirements.
 - b. The rolls must be filled over by beginning at one end and working towards the other to remove any slack.
 - c. The use of pins to temporarily hold the Combigrid 30/30 (or equivalent) may be required to ensure no slack develops during placement of the overlying fill.
 - d. If underground services need to be installed below the depth of the Combigrid 30/30 (or equivalent) they should be installed prior to placement to avoid cutting.
 - e. If the Combigrid 30/30 must be cut it must be reinstated in accordance with the manufacturer's requirements, noting the minimum lap lengths.
4. Following placement of the Combigrid 30/30 (or equivalent) place a 600mm thick layer of Type 2.3 road base. This must be placed in one layer from one end and worked towards the other to assist in removing any slack. This will likely require the use of ‘end dumping’ techniques as plant must not traverse on the Combigrid 30/30 (or equivalent).
5. An alternative to placing the 600mm layer of Type 2.3 is the placement of a 400mm thick layer of 75/150 shot rock wrapped in Combigrid 30/30 (or equivalent).
6. It is understood that the proposed building structure will be piled. These locations should be marked by survey and the Combigrid 30/30 (or equivalent) cut out in these locations prior to placement of the Type 2.3.

Paladin Willawong Budget v Actual Project Costs

JOB CODE	JOB	Project to Date			Jul-21	Aug-21	Sep-21	Project to Date			Notes
		PC % Claimed to Date	PC Claimed to Date	Budget remaining	Actual	Actual	Actual	Budget	Actual	% of Budget	
PAL001	Paladin Projects Willawong										BOQ 3.4 to be done 21/02/2022
	Income										
	Sales (Progress Claim)				21,554	193,502		226,104	215,056	95.11%	
	Expenditure										
	♦ 1 P & G	100.00%	9,850	0	962	1,943	156	9,850	3,061	31.08%	
	♦ 2 Environmental Control										
	♦ 3 Demolition & Earthworks	92.66%	53,429	4,230	6,810	7,010		57,659	13,820	37.24%	
	Credited from contract							-20,550			
	♦ 4 Pavements	100.00%	13,200	0				13,200			
	Credited from contract							-13,200			
	♦ 6 Detailed Excavations										
	♦ 7 Retaining Walls										
	♦ Variations	98.62%	176,674		12,265	107,685	4,108	179,145	124,057	69.25%	
	♦ Other/Unknown/Maint					2,616			2,616		
	♦ Other Backcharges/Credits		-38,097								
	Total Costs to Date	95.11%	215,056	4,230	20,037	119,253	4,264	226,104	143,554	63.49%	
	Project Margin PAL001				\$ 1,517	\$ 74,249	-\$ 4,264	\$ -	\$ 71,502		

Budget - Paladin Projects Willawong				
	Quantity	Unit	Rate	Budget
1 P&G				
1.1 Site Establishment & Dis-establishment		Lump Sum		\$ 5,100.00
1.2 Additional Site Establishment & Dis-establishment's -should it be sequenced as such		Lump Sum		excl
1.3 Supply HSQE documentation / program / insurances and any other necessary documentation - does not necessarily include the use of 3rd party online HSQE system - unless agreed		Lump Sum		incl
Topgraphical Survey at commencement & on completion		Lump Sum		
Survey Costs				
1.4 Survey Setout - excl S/W		Lump Sum		\$ 1,400.00
1.5 Survey Asbuilt - excl S/W - by Registered Surveyor		Lump Sum		\$ 1,400.00
1.6 Traffic control - excluded by builder		Lump Sum		by builder
1.7 Pothole for Existing Services - 3T & Spotter - Provisional Sum		Hrly	\$ 195.00	\$ 1,950.00
Sub Total				\$ 9,850.00
2.Environmental Control				
2.1 Silt Fence Erection		m	\$7.50	by others
2.2 Temporary entrance shake down's - excl steel grids		No	\$2,100.00	utilise existing
2.3 e/o- incl steel grids for job duration		No	\$1,900.00	rate only
2.4 Sediment Protection to various Pits - during construction - existing		No	\$125.00	by others
2.5 Sediment Protection to various Pits - during construction - proposed		No	\$125.00	by others
2.6 Dirty Water Diversion Drain incl check dams		m	\$30.00	n/a
2.7 Dust Suppression - earthwork / pavement rates inclusive of onsite water-cart				incl
2.8 Road Sweeping - in the event material tracked onto roads - otherwise POA for daily / weekly undertaking				incl
2.9 Wash-down Bay				POA
2.10 Temporary / Permenant - Sediment Basin				n/a
2.11 BioRetention Basin				n/a
Sub Total				\$ -
3. Demolition & Earthworks				
Demolition				
3.1 Building Removal		LS		by demo contractor
3.2 Hardstands and man-made surfacing - Front footpath / Driveway / Cross-over		LS		by demo contractor
3.3 Tree Removal incl Root Structure excl fauna spotter	1	LS	\$1,200.00	\$ 1,200.00
3.4 Fence / Post Removal	705	m	\$12.00	\$ 8,460.00
3.5 Remove exisiting cross-over	1	LS	\$720.00	\$ 720.00
Earthworks				
3.6 Remove 100mm topsoil / grass covering to waste		m3	\$30.00	rate only
3.7 Remove 100mm topsoil / grass covering to stockpile for re-use in Landscape Zones	285	m3	\$10.00	\$ 2,850.00
3.8 Final Trim & Proof Roll Subgrade - Pavement	1237	m2	\$2.00	\$ 2,474.00
3.9 Final Trim & Proof Roll Subgrade	1550	m2	\$1.50	rate only
3.10 extra-over Remove & Replace soft spots - import - cohesive soil / cleanfill - CBR3+ - rate only		m3	\$65.00	rate only
3.11 extra-over Remove & Replace soft spots - import - granular - CBR10/15+ - rate only		m3	\$80.00	rate only
3.12 Cut to Fill - Select best materials from Spoil - no allowance lime / cement stabilisation to cut to fill material	5	m3	\$35.00	\$ 175.00
3.13 Import to Fill, Spread & Compact - cohesive soil - cleanfill - CBR3+	1108	m3	\$35.00	\$ 38,780.00
3.14 e/o CBR10+ AP75		m3	\$10.00	rate only
Geotechnical				
3.15 Geotech Supervision - Level 1 incl N/D testing - but excluding RPEQ certification	1	LS		\$ -
3.16 Geotech - RPEQ certification	1	LS	\$3,000.00	\$ 3,000.00
Sub Total				\$ 57,659.00
Stormwater				
Drainage - trench, supply, bed, lay, cap, joint and backfill concrete RCRRJ pipe incl CCTV				
by plumber		LS		excl
Sub Total				
Sewer - By Plumber				
Sewer - trench, supply, bed, lay, cap, joint and backfill hdpe pipe incl , bends, bulk heads, marker posts, surface boxes, pressure testing etc				
by plumber		LS		excl
Sub Total				
Water - By Plumber				
Water - trench, supply, bed, lay, cap, joint and backfill hdpe pipe incl , bends, bulk heads, marker posts, surface boxes, pressure testing etc				
by plumber		LS		excl
Sub Total				
Site Services - excl by Electrical - Price avalaible upon request				
Services- trench, supply, bed, lay, cap, joint and backfill hdpe pipe incl , bends, bulk heads, marker posts, surface boxes, pressure testing etc		LS		
Sub Total				
4. Pavements - Optional				
Supply, lay, grade, compact and compaction test				
Internal Only				
Flexible Pavment				n/a
Rigid Pavment				
4.1 CBR45 x 150mm - Provisional Sum	176	m3	\$75.00	\$13,200.00
Concrete Supply & Placement				by concretor
Concrete Paths				
CBR15 x		m3	\$80.00	rate only
Concrete Supply & Placement				by concretor
Kerbing				excl
Road Marking				excl
Signage				excl
External Only				excl
Vehicle Crossing				excl
Sub Total				
Detailed Excavations				
Excavate for				
Footings / Thickeneing				POA
Sub Total				
Retaining Walls - excl				
Backfill to				
Sub Total				
Maintenance & Repairs				
Total Contract				\$67,509.00

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Project Run Sheet - Paladin Projects Willawong

Date	Docket Number	Project Allocation	Machine	Task	Hrs	m3	Tonnage	Tolls	Per	Rate	Cost	Invoice	Notes
16/07/2021	Aquaholic	1.1 Site Establishment & Dis-establishment	Aquaholic Float	Float 20T from Mango Hill	3					175	525	37941	
16/07/2021	Aquaholic	1.1 Site Establishment & Dis-establishment	Aquaholic Float Tolls						1	40	40	37941	
19/07/2021	145297	3.7 Remove 100mm topsoil / grass covering to stockpile	20 Tonne Excavator	De grass site top soil in to a pile pull out trees load on to truck and concrete stumps	4					143	572	268914	
19/07/2021	145297	3.3 Tree Removal incl Root Structure excl fauna spotter	20 Tonne Excavator		1					143	143	268914	
19/07/2021	145297	3.4 Fence / Post Removal	20 Tonne Excavator		2.5					143	357.5	268914	
19/07/2021	145489	3.4 Fence / Post Removal	10m3 Tip Truck	pull down fence and took 2 load of waste to dump point.	5.5					96	528	268969	
19/07/2021	145489	3.4 Fence / Post Removal	Materials & Tips	Greenwaste to Bemcove			3.96			102.05	404.12	268969	
19/07/2021	145489	3.4 Fence / Post Removal	Materials & Tips	Clean Concrete to Bemcove			1.7			19.5	33.15	268969	
20/07/2021	145488	VAR002 Topsoil Removal	20 Tonne Excavator	Loading out fill .truck took 6 loads away he was bogde for 145mins on first round	9					143	1287	268915	
20/07/2021	PINK	VAR002 Topsoil Removal	PINK Hourly Hire	Docket 30612 6 loads (132m3)	8.75					140	1225	41449	
21/07/2021	145782	VAR002 Topsoil Removal	10m3 Tip Truck	12 loads of clean fill to 186 esky rd	8					96	768	268916	
21/07/2021	145780	VAR002 Topsoil Removal	20m3 Truck & Dog	Removing fill from willawong to pallara 15 loads as 10 mtr tipper	8					130	1040	269174	
21/07/2021	145532	VAR002 Topsoil Removal	20 Tonne Excavator	Loading trucks	7.5					143	1072.5	268915	
22/07/2021	CONPLANT	1.1 Site Establishment & Dis-establishment	Conplant 12T Padfoot Roller Float						1	397	397	352955	
22/07/2021	CONPLANT	3.8 Final Trim & Proof Roll Subgrade - Pavement	Conplant 12T Padfoot Roller						1	340	340	352955	
22/07/2021	145830	3.8 Final Trim & Proof Roll Subgrade - Pavement	Labour	John Molloy Roller operator 4.5 hrs and 1hr on 20t ex clean up plumbers soil dig 3 test holes	6.75					65	438.75	269051	
23/07/2021	145925	3.4 Fence / Post Removal	10m3 Tip Truck	2 loads to c@d one of chain mesh one of dirty concrete	4.5					96	432	268970	
23/07/2021	145925	3.4 Fence / Post Removal	Materials & Tips	C&D Waste			1.24			167.44	207.63	268970	
23/07/2021	145925	3.4 Fence / Post Removal	Materials & Tips	Dirty Concrete			2.44			26.65	65.03	268970	
23/07/2021	145852	3.4 Fence / Post Removal	4.5 -6 Tonne Combo	Pull fence post out	6.5					124	806	269050	
23/07/2021	145852	3.4 Fence / Post Removal	Rock Grab		4					35	140	269050	
23/07/2021	145836	3.4 Fence / Post Removal	Labour	Pulling down fence and loading in truck for removal.	6.25					65	406.25	269052	
23/07/2021	145908	3.4 Fence / Post Removal	Labour	Removal of fence	6.25					65	406.25	269052	
23/07/2021	CONPLANT	VAR001 Stand Down	Conplant 12T Padfoot Roller	Stand Down					1	0	0	352955	
26/07/2021	CONPLANT	VAR001 Stand Down	Conplant 12T Padfoot Roller	Stand Down					1	0	0	352955	
27/07/2021	CONPLANT	VAR001 Stand Down	Conplant 12T Padfoot Roller	Stand Down					1	340	340	352955	
27/07/2021	VISION	1.4 Survey Setout - excl S/W	Vision Survey		0.75					125	93.75	24343	
28/07/2021	146038	VAR003 Extra Over Fill Removal	20 Tonne Excavator	Box pad down	6					143	858	269175	
28/07/2021	CONPLANT	VAR003 Extra Over Fill Removal	Conplant 12T Padfoot Roller						1	340	340	352955	
29/07/2021	146039	VAR003 Extra Over Fill Removal	20 Tonne Excavator	load out stock piles on site. Tipping BMI Paradise rd.	9.5					143	1358.5	269175	
29/07/2021	EPH	VAR003 Extra Over Fill Removal	EPH Semi Tripper	XQ07SQ	9.75					145	1413.75	20547	
29/07/2021	EPH	VAR003 Extra Over Fill Removal	EPH Truck & Trailer Fill m3	A00019621 13 loads (XQ07SQ)		260				9.75	2535	269269	
29/07/2021	EPH	VAR003 Extra Over Fill Removal	EPH Semi Tripper	249917 14 loads (XQ90QW) 280m3	9.5					145	1377.5	21299	
29/07/2021	EPH	VAR003 Extra Over Fill Removal	EPH Truck & Trailer Fill m3	249917 14 loads (XQ90QW) 280m3		280				9.75	2730	270911	
29/07/2021	CONPLANT	VAR001 Stand Down	Conplant 12T Padfoot Roller						1	340	340	352955	
30/07/2021	CONPLANT	VAR001 Stand Down	Conplant 12T Padfoot Roller						1	340	340	352955	
30/07/2021	146448	3.4 Fence / Post Removal	10m3 Tip Truck	1 load of cnd waste from willowwong to bmi willowwong	3.5					96	336	269107	
30/07/2021	146448	3.4 Fence / Post Removal	Materials & Tips				0.7			167.44	117.21	269107	
30/07/2021	L&D	3.4 Fence / Post Removal	3 - 4 Tonne Combo	L-380087	4.75					122	579.5	269135	
30/07/2021	L&D	3.4 Fence / Post Removal	Rock Grab	L-380087	4					35	140	269135	
30/07/2021	146449	3.4 Fence / Post Removal	Labour	James Remove old fence.	5.5					65	357.5	269173	
30/07/2021	146040	VAR003 Extra Over Fill Removal	20 Tonne Excavator	complete bulk out of fill material from rear of site. To BMI Paradise Rd.	7.75					143	1108.25	269175	
30/07/2021	146514	VAR003 Extra Over Fill Removal	10m3 Tip Truck	4 loads of clean fill from willawong to bmi paradise road	4					96	384	269172	
30/07/2021	146514	VAR003 Extra Over Fill Removal	Materials & Tips			40				9.75	390	269172	
30/07/2021	EPH	VAR003 Extra Over Fill Removal	EPH Semi Tripper	591WNA	8.5					145	1232.5	20751	
30/07/2021	EPH	VAR003 Extra Over Fill Removal	EPH Truck & Trailer Fill m3	205728 9 loads		180				9.75	1755	269270	
30/07/2021	VISION	1.4 Survey Setout - excl S/W	Vision Survey	Travel / Setout new Control	2					125	250	24343	
02/08/2021	CONPLANT	1.1 Site Establishment & Dis-establishment	Conplant 12T Padfoot Roller Float						1	397	397	353019	
02/08/2021	CONPLANT	1.1 Site Establishment & Dis-establishment	Conplant 12T Padfoot Roller Fuel						160	2.95	472	353019	
02/08/2021	CONPLANT	1.1 Site Establishment & Dis-establishment	Conplant 15T Smoothdrum Roller Float						1	365	365	353693	
02/08/2021	CONPLANT	VAR001 Stand Down	Conplant 15T Smoothdrum Roller	Stand Down					1	240	240	353693	
02/08/2021	146394	VAR004 Machine hire for tree removal	3 - 4 Tonne Combo	Clean vegetation	9					122	1098	269189	
02/08/2021	146310	VAR004 Machine hire for tree removal	Labour	James driving tipper with green waste to dump	8.5					65	552.5	269239	
02/08/2021	146310	VAR004 Machine hire for tree removal	Materials & Tips	Green waste to Watson Rd			14.2			102.05	1449.11	269189	
03/08/2021	146395	VAR004 Machine hire for tree removal	3 - 4 Tonne Combo	Clearing green waste	6.5					122	793	269189	
03/08/2021	146311	VAR004 Machine hire for tree removal	Labour	James Driver tipper dumping green waste	6.5					65	422.5	269239	
03/08/2021	146311	VAR004 Machine hire for tree removal	Materials & Tips	Green waste to Watson Rd			3.22			102.05	328.60	269189	
03/08/2021	VISION	VAR005 Subgrade Replacement	Vision Survey	Download Rods pickups, calculate volumes	1.5					125	187.5	24343	
04/08/2021	VISION	VAR005 Subgrade Replacement	Vision Survey	Re-calc volumes for Rod	0.2					125	25	24343	
04/08/2021	VISION	VAR005 Subgrade Replacement	Vision Survey	Re-calc volume with different pavement depth	0.25					125	31.25	24343	
03/08/2021	CONPLANT	VAR001 Stand Down	Conplant 15T Smoothdrum Roller	Stand Down					1	240	240	353693	
04/08/2021	CONPLANT	VAR001 Stand Down	Conplant 15T Smoothdrum Roller	Stand Down 50%					0.5	240	120	353693	

05/08/2021	CONPLANT	VAR001 Stand Down	Conplant 15T Smoothdrum Roller	Stand Down 50%					0.5	240	120	353693
06/08/2021	GLOBAL	VAR005 Subgrade Replacement	Global Synthetics Combi Grid Roll	Combigrid 30kN/m Geocomposite 4.75x100					4	1515.25	6061	3923790
09/08/2021	CONPLANT	VAR001 Stand Down	Conplant 15T Smoothdrum Roller	Stand Down 50%					0.5	240	120	353693
10/08/2021	CONPLANT	VAR005 Subgrade Replacement	Conplant 15T Smoothdrum Roller						1	240	240	353693
10/08/2021	146716	VAR005 Subgrade Replacement	20 Tonne Excavator	Variation works vw005	10					143	1430	269319
10/08/2021	146625	VAR005 Subgrade Replacement	Posi Track (Large)	Place gravel for building pad.	10.5					138	1449	269320
10/08/2021	HANSON	VAR005 Subgrade Replacement	Hanson Type 2.3 Body Truck				477.12			25.70	12261.98	73489115
11/08/2021	CONPLANT	VAR005 Subgrade Replacement	Conplant 15T Smoothdrum Roller						1	240	240	353693
11/08/2021	146922	VAR005 Subgrade Replacement	20 Tonne Excavator	box out pavement area	11					143	1573	269319
11/08/2021	146653	VAR005 Subgrade Replacement	Posi Track (Large)	Place and trim gravel for pad	11					138	1518	269320
11/08/2021	HANSON	VAR005 Subgrade Replacement	Hanson Type 2.3 Body Truck				612.97			25.7	15753.33	73496873
12/08/2021	HANSON	VAR005 Subgrade Replacement	Hanson Type 2.3 Truck and Trailer				681.18			19.15	13044.60	73496873
12/08/2021	146959	VAR006 Remove C&D Waste	10m3 Tip Truck	C and d waste to Watson rd	1.5					96	144	269303
12/08/2021	146959	VAR006 Remove C&D Waste	Materials & Tips				2.74			167.44	458.79	269303
12/08/2021	146926	VAR006 Remove C&D Waste	20 Tonne Excavator	Load C and D waste	1					143	143	269319
12/08/2021	146926	VAR005 Subgrade Replacement	20 Tonne Excavator	cut and fill driveway pavement	9					143	1287	269319
12/08/2021	146654	VAR005 Subgrade Replacement	Posi Track (Large)	Place 2.3 gravel on rear pad a pavement	11.5					138	1587	269320
12/08/2021	CONPLANT	VAR005 Subgrade Replacement	Conplant 15T Smoothdrum Roller						1	240	240	353693
13/08/2021	CONPLANT	VAR005 Subgrade Replacement	Conplant 15T Smoothdrum Roller						1	240	240	353693
13/08/2021	147053	VAR005 Subgrade Replacement	Labour	Callum control truck and dogs	9.25					65	601.25	269321
13/08/2021	146637	VAR005 Subgrade Replacement	Posi Track (Large)	Place 2.3 gravel	9.25					138	1276.5	269320
13/08/2021	HANSON	VAR005 Subgrade Replacement	Hanson Type 2.3 Truck and Trailer				883.99			19.15	16928.41	73496874
16/08/2021	EPH	3.13 Import to Fill, Spread & Compact - cohesive soil	EPH Tandem Clean Fill	233077		220				3.5	770	20989
16/08/2021	EPH	3.13 Import to Fill, Spread & Compact - cohesive soil	EPH Tandem Clean Fill	211701		240				3.5	840	20862
16/08/2021	EPH	3.13 Import to Fill, Spread & Compact - cohesive soil	EPH Tandem Clean Fill	200248		230				3.5	805	20862
16/08/2021	EPH	3.13 Import to Fill, Spread & Compact - cohesive soil	EPH Tandem Clean Fill	241823		220				3.5	770	20862
16/08/2021	EPH	3.13 Import to Fill, Spread & Compact - cohesive soil	EPH Tandem Clean Fill	256472		220				3.5	770	20896
16/08/2021	EPH	3.13 Import to Fill, Spread & Compact - cohesive soil	EPH Tandem Clean Fill	256765		170				3.5	595	20989
16/08/2021	EPH	3.13 Import to Fill, Spread & Compact - cohesive soil	EPH Tandem Clean Fill	249862		240				3.5	840	20989
16/08/2021	CONPLANT	3.13 Import to Fill, Spread & Compact - cohesive soil	Conplant 15T Smoothdrum Roller						1	240	240	353693
16/08/2021	146638	3.13 Import to Fill, Spread & Compact - cohesive soil	Posi Track (Large)	Place import fill for building pad	10					138	1380	269513
17/08/2021	147166	VAR005 Subgrade Replacement	4.5 -6 Tonne Combo	Dug out failed compaction	3					124	372	269515
17/08/2021	HANSON	VAR005 Subgrade Replacement	Hanson Type 2.3 Truck and Trailer				605.35			19.15	11592.45	73507998
17/08/2021	146639	VAR005 Subgrade Replacement	Posi Track (Large)	spread out 150mm layer of road base over building pad	10					138	1380	269514
17/08/2021	CONPLANT	VAR005 Subgrade Replacement	Conplant 15T Smoothdrum Roller						1	240	240	353693
18/08/2021	CONPLANT	VAR005 Subgrade Replacement	Conplant 15T Smoothdrum Roller						1	240	240	353693
18/08/2021	CONPLANT	1.1 Site Establishment & Dis-establishment	Conplant 15T Smoothdrum Roller Float						1	365	365	353693
18/08/2021	VISION	VAR005 Subgrade Replacement	Vision Survey	Subgrade volume calc	0.25					125	31.25	24343
18/08/2021	147020	VAR005 Subgrade Replacement	Posi Track (Large)	Final trim back building pad. Move dirt from pad replace 2.3 gravel. Move gravel from back building pad.	9					138	1242	269514
18/08/2021	WILSON	VAR005 Subgrade Replacement	Wilson Auto Float	Float Roller from Yard					1	237	237	W0219264
19/08/2021	ROLLER	VAR005 Subgrade Replacement	CEM Roller						1	260	260	269518
19/08/2021	147141	VAR005 Subgrade Replacement	Posi Track (Large)	Trim pavements and move trimmings	9					138	1242	269514
20/08/2021	147273	VAR005 Subgrade Replacement	Posi Track (Large)	Final trim main building pad and pavement area load out excess material.	6.5					138	897	269516
20/08/2021	147273	VAR010 Remove wet spoil from driveway entry	Posi Track (Large)		3					138	414	269516
20/08/2021	ROLLER	VAR005 Subgrade Replacement	CEM Roller						1	260	260	269518
20/08/2021	147294	VAR005 Subgrade Replacement	20m3 Truck & Dog	2 loads of road base from willawong to cem banyo	3					130	390	269517
20/08/2021	147293	VAR010 Remove wet spoil from driveway entry	20m3 Truck & Dog	3 loads of fill from willawong to bmi paradise road	4.75					130	617.5	269459
20/08/2021	147293	VAR010 Remove wet spoil from driveway entry	Materials & Tips			30				9.75	292.5	269459
21/08/2021	147325	Maintenance & Repairs	4.5 -6 Tonne Combo	Expose water pipe and back fill	2.75					124	341	269520
23/08/2021	WILSON	VAR005 Subgrade Replacement	Wilson Auto Float Roller 23/08	Pick up CEM Roller and return to Banyo					1	250	250	W0219424
27/08/2021	147492	Maintenance & Repairs	4.5 -6 Tonne Combo	Broken pipe	6.25					124	775	269627
31/08/2021	JEDCON	Maintenance & Repairs	Jedcon	Repair line					1	1500	1500	3908
08/09/2021	VISION	1.5 Survey Asbuilt - excl S/W - by Registered Surveyor	Vision Survey	Create subgrade Volume PDG and subgrade Asbuilt Plan	1.25					125	156.25	24886
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