

Client	Gabrielli Constructions Pty Ltd		 INSPECTION AND TEST PLAN
Contract No:	43123		
Project Name:	Wellington Street Depot		
Task:	Inground Stormwater – Stage 1 Carpark	ITP: In Ground Stormwater	

Ref	Operation or Stage of Work Requiring Inspection or Test Task Description	Responsible Person	Checked		
			Action by	Visual Check ✓	Document Check ✓
1	Checked Correct Material – Specification - As per Civil Drawings C401; C402; C403; C101	Installer	W	✓	✓
2	Site Inspection	Installer	W	✓	✓
3	Plant	Operator	X	✓	✓
4	Drawings Checked - Drawing Nos. - C401; C402; C403	Installer/Foreman	X	✓	✓
5	Specification Checked – Specification - TCC Std Drawing SD-460	Installer/Foreman	W	✓	✓
6	Set Out – Grid Lines – Confirmed on Site	Installer/Foreman	W	✓	✓
7	Connection Method – as per AS3500	Installer/Foreman	W	✓	✓
8	Inverts – Checked via Drawings Nos. - C401; C402; C403	Installer	X	✓	✓
9	Laser Set – Datum and Height Verified	Installer	X	✓	✓
10	Shoring or Benching Verified as 1:1 (As per AS4744)	Installer	H	✓	✓
11	Pipe Bed – Specification – TCC Std Drawing SD-460 Bedding Material – Crusher Dust	Installer/Foreman	W	✓	✓
12	Pipe Size – Drawing Nos. – C401; C402; C403 Pipe Material – Blackmax Class – SN8 Pipe Size – 225mm; 300mm and 375mm	Installer	X	✓	✓
13	Alignment Straight	Installer	W	✓	✓
14	Backfilling / Haunching – Drawing Nos. - C401; C402; C403 Specification – TCC Std Drawing SD-460 Fill Material – Crusher Dust and Onsite Material	Installer	H (A)(C)	✓	✓
15	Marker Tape Installed / Correct	Installer	X	✓	✓
16	Hydrostatic Test as per AS3500	Installer/Foreman	H (A)	✓	✓
17	Finished Heights - Drawing Nos. - C401; C402; C403	Installer	W	✓	✓
18	As Cons Marked Up	Foreman	X	✓	✓
19	Compaction - Specification - TCC Std Drawing SD-460 Material – Crusher Dust and Onsite Material	Installer/Foreman	W	✓	✓

W = Witness Point	Approved by Tacoma:	Position:	Date:
H = Hold Point (Mandatory – Work not to proceed without approval)	Andrew Benton	Foreman	2/5/23
H (A) = Regulatory Authority Inspection / Test	Approved by Client:	Position:	Date:
H (B) = Engineer			
H (C) = Builders Representative	Approved by Builder:	Position:	Date:
S = Surveillance or monitoring			
X = Self inspection by performer of work	Approved by Regulatory Authority:	Position:	Date:

Client		Gabrielli Constructions Pty Ltd		 INSPECTION AND TEST PLAN			
Contract No:		43123					
Project Name:		Wellington Street Depot					
Task:		Inground Stormwater Pits – Stage 1 Carpark		ITP: In Ground Stormwater Pit		ITP No. 015	
Ref	Operation or Stage of Work Requiring Inspection or Test	Task Description	Responsible Person	Action by	Visual Check ✓	Document Check ✓	
1	Checked Correct Material – Specification - as per Civil Drawings C401; C402; C403, C101		Installer	W	✓	✓	
2	Site Inspection		Installer	W	✓	✓	
3	Plant		Operator	X	✓	✓	
4	Drawings Checked - Drawing Nos. - C401; C402; C403		Installer/Foreman	X	✓	✓	
5	Specification Checked – Specification – TCC Std Drawing SD-460		Installer/Foreman	W	✓	✓	
6	Set Out – Grid Lines – Confirmed on Site		Installer/Foreman	W	✓	✓	
7	Inverts – Checked via Drawings Nos. - C401; C402; C403		Installer	X	✓	✓	
8	Laser Set – Datum and Height Verified		Installer	X	✓	✓	
9	Shoring or Benching Verified as 1:1 (As per AS4744)		Installer	H	✓	✓	
10	Pit Wall Detail – As per Everhard Drawings Drawing Nos. - C401; C402; C403		Installer/Foreman	W	✓	✓	
11	Pit Lid Detail – Standard Class D Drawing Nos. - C401; C402; C403		Installer	X	✓	✓	
12	Pit Lid / Grate Type - Drawing Nos. - C401; C402; C403 Specification – TCC Std Drawing SD-460		Installer	H (A)(C)	✓	✓	
13	Alignment		Installer	X	✓	✓	
14	As Cons Marked Up		Foreman	X	✓	✓	
15	Compaction - Specification – TCC Std Drawing SD-460 Material – Crusher Dust and Onsite Materials		Installer/Foreman	W	✓	✓	
16	Reinstatement - Drawing Nos. - C401; C402; C403 Specification – TCC Std Drawing SD-460		Installer/Foreman	W	✓	✓	
17	Pit Specifications – as per attached Manufacturers Specs		Installer/Foreman	W	✓	✓	
18							
19							
W = Witness Point			Approved by Tacoma:	Position:	Date:	2/5/23	
H = Hold Point (Mandatory – Work not to proceed without approval)			Andrew Benton	Foreman			
H (A) = Regulatory Authority Inspection / Test			Approved by Client:	Position:	Date:		
H (B) = Engineer							
H (C) = Builders Representative			Approved by Builder:	Position:	Date:		
S = Surveillance or monitoring							
X = Self inspection by performer of work			Approved by Regulatory Authority:	Position:	Date:		

SECTION 1: Organisation & Project Details

Project:	Wellington St Depot		
Location:	Wellington St		
Principal:	Gabrielli Constructions		
Lot #:	001	Lot Name:	Carpark West
Section #:	001	Section Name:	Carpark West
Date Prep:	27/3/2023	Consultant:	

SECTION 2: Daily Tasks

Ensure Steps are taken each day prior to starting tasks

Review Construction Drawings

*** INSERT RELEVANT DRAWING TITLES OR RANGE***

Review Health, Safety & Environmental Controls

- Inducted?
- Signed SWMS?
- Daily Prestart? Toolbox?
- Excavation Permit?
- Plant Prestart?

Review In ground Services

- Dial before you dig?
- Existing services drawings?
- All services plan?

Review Survey Markings and Control

- Setout Markings?
- Level control?

Inspection Test Plan

SECTION 3: Materials Suitability

Fill Types	Material Name	Source	Accepted Date	Signature
Gravel	Reprocessed Gravel	Goodsell earthmoving		
2.1 Gravel	2.1 Gravel	Stradacon Penna		

		PC Signature
WITNESS POINT – MATERIALS SUITABILITY	DATE ACCEPTED -	

SECTION 4: Installation Method

Step #:	Step Details	Date Started	Date Completed	PC Signature
1.1	Strip Area of Vegetation and existing debris - Topsoil to be stripped to Stockpile	27/3/2023	27/3/2023	
1.2	WITNESS POINT – TOPSOIL SUITABILITY	DATE ACCEPTED -		
1.3	Excavation of existing ground to subgrade levels - Export Tracking Dockets ()	3/4/2023	19/4/2023	
1.4	Testing of Subgrade for suitability (contaminates, grading, etc?) - Test Report ()	N/A		
1.5	Rolling and compaction of subgrade - Compaction Rate = 95% Std - Testing Frequency = 1 test per 500m2 - Minimum of 2 tests per lot - Test Sheets ()	2/5/2023	3/5/2023	
1.6	Import Material to correct subgrade level - Compaction rate = 95% std - Testing Frequency = 1 test per 500m2 - Minimum of 2 tests per lot - Test Sheets () - Gravel import Dockets ()	N/A		
1.6.N				
1.7				
1.8	HOLD POINT – PROOF ROLL INSPECTION – CONTINUE NEXT PAGE			

Density Ratio Report

Client	Mite Constructions Pty Ltd	Report Number:	TS23322 - 1/1
Address :	Truscott Street, Garbutt, QLD, 4814	Report Date	19/05/2023
Project Name	Wellington Street	Client RFT	
Job Number	TS23322	Test Method :	AS1289.5.4.1
Location	Mundingburra , townsville QLD		Page 1 of 1

Sample Number	23-3085	23-3086		
Test Number	-	-		
Sampling Method	AS1289.1.2.1 Clause 6.4 (B)	AS1289.1.2.1 Clause 6.4 (B)		
Date Sampled	2/05/2023	2/05/2023		
Date Tested	2/05/2023	2/05/2023		
Material Type	Subgrade	Subgrade		
Material Source	Ergon	Existing Material		
Lot Number				
Sample Location :	East/North: E:477286.3 N:7866765.3 Area: Carpark Level (m): Subgrade Desc: Sandy Silty Clay	East/North: E:477264.2 N:7866765.4 Area: Carpark Level (m): Subgrade Desc: Sandy Silty Clay		
Test Depth (mm)	150	150		
Layer Depth (mm)	-	-		
Maximum Size (mm)	19.0	19.0		
Oversize Wet (%)	0	0		
Oversize Dry (%)	0	0		
Oversize Density (t/m3)				
Field Moisture Content (%)	9.5	8.5		
MDR Number	23-3085	23-3086		
Assigned MDR (Y/N)	No	No		
MDR Method	AS1289.5.1.1	AS1289.5.1.1		
MDR Date Tested	3/05/2023	3/05/2023		
Compactive Effort	Standard	Standard		
Field Density Method	AS1289.5.8.1 & 5.4.1	AS1289.5.8.1 & 5.4.1		
Moisture Method	AS1289.2.1.1	AS1289.2.1.1		
Moisture Ratio (%) :	82.5	77.5		
Field Dry density (t/m3)	1.86	1.85		
Variation from OMC :	2% dry of omc	2.5% dry of omc		
MDD (t/m3)	1.83	1.84		
OMC (%)	11.5	11.0		
Density Ratio %	101.5	100.5		
Minimum Specification:	98	98		
Moisture Specification	-	-		
Site Selection	AS1289.1.4.1	AS1289.1.4.1		
Soil Description	Sandy Silty Clay	Sandy Silty Clay		
Remarks	-			



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APPROVED SIGNATORY

Matt McCarthy - General Manager
NATA Accreditation Number
2856

Document Code RF74-21

SECTION 4: Installation Method Continued

1.8 HOLD POINT – PROOF ROLL INSPECTION				
		Date	PC Signature	Consultant Signature
1.8.0	Proof Roll Passed? (YES) (NO)	3/5/2023		
1.8.1	Attached mark up of area proof rolled			
1.8.2	Mark up of any failures or areas of note			
1.8.3	Consultant to prescribe rectification method			
144m2 area to be replaced with 2.3 gravel at 200mm Depth				



	EXISTING UNDERGROUND ELECTRICITY		EXISTING CONTOUR (0.2m CONTOUR INTERVAL)
	EXISTING UNDERGROUND TELECOMMUNICATIONS		EXISTING TREE TO BE REMOVED
	EXISTING UNDERGROUND OPTIC FIBRE		EXISTING STORMWATER TO BE REMOVED
	EXISTING SEWER MAIN		PROPOSED BUILDING
	EXISTING WATER MAIN		PROPOSED TOP OF BATTER
	EXISTING STORMWATER DRAINAGE		PROPOSED BOTTOM OF BATTER
	EXISTING TOP OF BATTER		PROPOSED DRAIN
	EXISTING TOE OF BATTER		PROPOSED EDGE OF BITUMEN
	EXISTING BUILDING		PROPOSED ROAD CENTRELINE
	EXISTING EDGE OF BITUMEN		PROPOSED STORMWATER DRAINAGE. REFER C461 FOR DETAILS
	EXISTING FENCE		PROPOSED LANDSCAPE RETAINING WALL BY OTHERS
	EXISTING ROAD CENTRELINE		PROPOSED RETAINING WALL DETAILS TO BE CONFIRMED
	EXISTING LOT BOUNDARY		
	EXISTING FENCEPOST		

NOTE: QUANTITIES ARE APPROXIMATELY ONLY, MEASURED FROM EXISTING SURFACE TO SUBGRADE WITH NO ALLOWANCE BEING MADE FOR TOPSOIL, STRIPPING OR BULKING.

LEVEL DATUM

PSM No. 136056
LEVEL DATUM RL 7.472 AHD DERIVED
SITE COORDINATES E: 477087.86
N: 67219.725

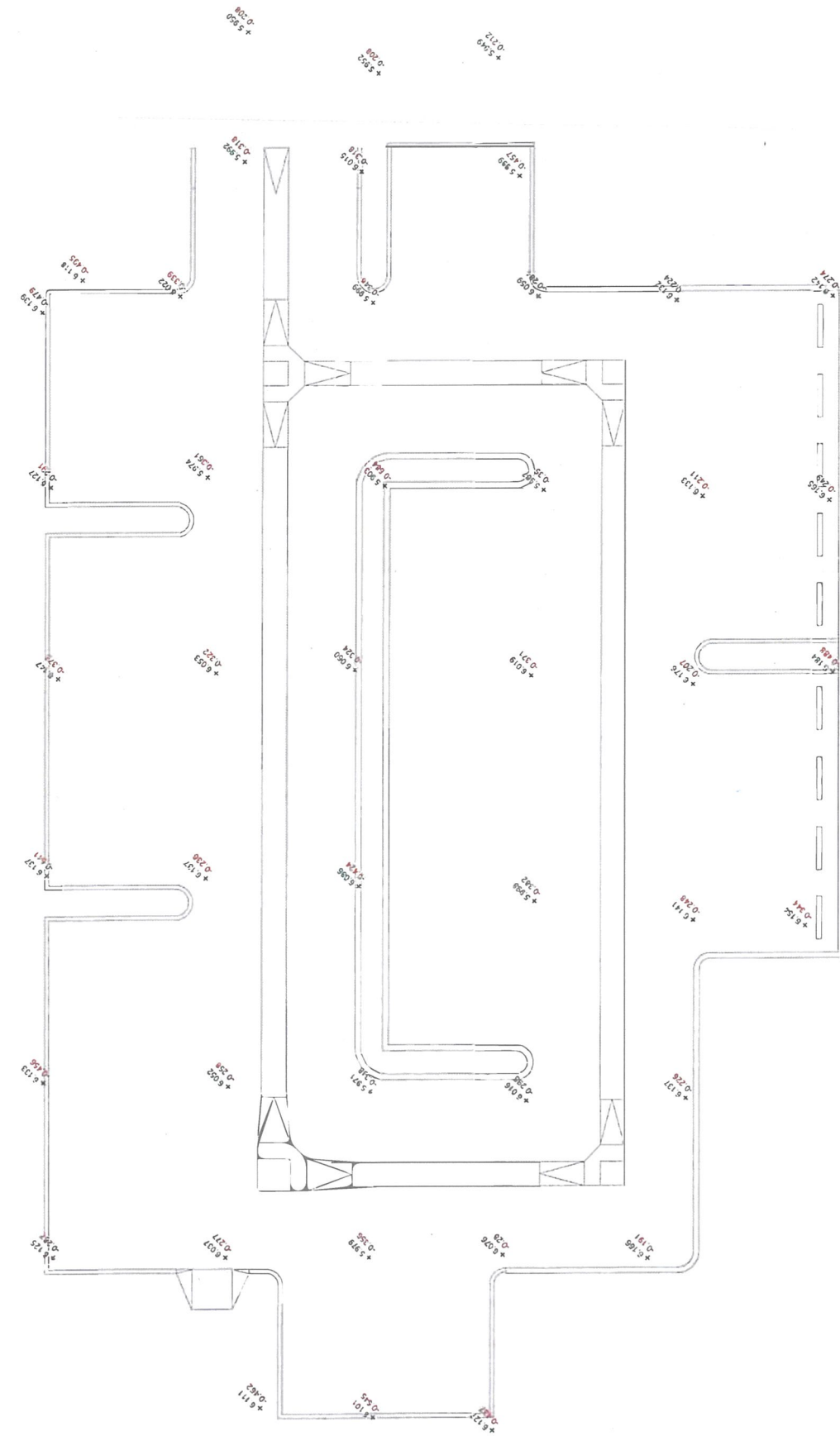
EXISTING LEVELS

THE CONTRACTOR IS TO VERIFY ALL LEVELS PRIOR TO COMMENCEMENT OF WORKS. ANY DISCREPANCIES TO BE REPORTED TO THE SITE SUPERINTENDENT FOR DIRECTION

EXISTING SERVICES

ALL EXISTING SERVICES ARE TO BE
LOCATED BY THE CONTRACTOR PRIOR
TO COMMENCEMENT OF WORKS

[illegible]



SUBGRADE OBSERVATION	SUBGRADE ELEVATION	ELEVATION DIFFERENCE FROM DESIGN FL TO OBSERVED R
1	10.00	0.00
2	10.00	0.00
3	10.00	0.00
4	10.00	0.00
5	10.00	0.00
6	10.00	0.00
7	10.00	0.00
8	10.00	0.00
9	10.00	0.00
10	10.00	0.00
11	10.00	0.00
12	10.00	0.00
13	10.00	0.00
14	10.00	0.00
15	10.00	0.00
16	10.00	0.00
17	10.00	0.00
18	10.00	0.00
19	10.00	0.00
20	10.00	0.00
21	10.00	0.00
22	10.00	0.00
23	10.00	0.00
24	10.00	0.00
25	10.00	0.00
26	10.00	0.00
27	10.00	0.00
28	10.00	0.00
29	10.00	0.00
30	10.00	0.00
31	10.00	0.00
32	10.00	0.00
33	10.00	0.00
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36	10.00	0.00
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81	10.00	0.00
82	10.00	0.00
83	10.00	0.00
84	10.00	0.00
85	10.00	0.00
86	10.00	0.00
87	10.00	0.00
88	10.00	0.00
89	10.00	0.00
90	10.00	0.00
91	10.00	0.00
92	10.00	0.00
93	10.00	0.00
94	10.00	0.00
95	10.00	0.00
96	10.00	0.00
97	10.00	0.00
98	10.00	0.00
99	10.00	0.00
100	10.00	0.00



E: tss.brett@gmail.com Ph: 0439 997 176



SECTION 4: Installation Method Continued...

Step #:	Step Details	Date Started	Date Completed	PC Signature
1.11	Installation of Subbase fill layer - 2.3 Gravel - Layer Depth = 125mm - Compaction Rate = 98% Std - Testing Frequency = 1 test per 500m2 - Minimum of 2 tests per lot - Tests sheets () - Gravel Import Dockets ()	10/5/2023	15/5/2023	
1.11.N				
1.12	HOLD POINT – PRINCIPAL INSPECTION – CONTINUE NEXT PAGE			

Density Ratio Report

Client	Mite Constructions Pty Ltd		Report Number:	TS23322 - 3/1
Address :	Truscott Street, Garbutt, QLD, 4814		Report Date	19/05/2023
Project Name	Wellington Street		Client RFT	
Job Number	TS23322		Test Method :	AS1289.5.4.1
Location	Mundingburra , townsville QLD		Page 1 of 1	
Sample Number	23-3452	23-3453		
Test Number	-	-		
Sampling Method	AS1289.1.2.1 Clause 6.4 (B)	AS1289.1.2.1 Clause 6.4 (B)		
Date Sampled	10/05/2023	10/05/2023		
Date Tested	10/05/2023	10/05/2023		
Material Type	Sub Base	Sub Base		
Material Source	Goodsells/Boral	Goodsells/Boral		
Lot Number				
Sample Location :	East/North: E:477152.3 N:7866782.0 Area: Carpark Soft Spot Level (m): Sub Base Desc: Sandy Gravel	East/North: E:477152.4 N:7866778.2 Area: Carpark Soft Spot Level (m): Sub Base Desc: Sandy Gravel		
Test Depth (mm)	150	150		
Layer Depth (mm)	-	-		
Maximum Size (mm)	19.0	19.0		
Oversize Wet (%)	0	0		
Oversize Dry (%)	0	0		
Oversize Density (t/m3)				
Field Moisture Content (%)	6.0	7.0		
MDR Number	23-3452	23-3453		
Assigned MDR (Y/N)	No	No		
MDR Method	AS1289.5.1.1	AS1289.5.1.1		
MDR Date Tested	18/05/2023	16/05/2023		
Compactive Effort	Standard	Standard		
Field Density Method	AS1289.5.8.1 & 5.4.1	AS1289.5.8.1 & 5.4.1		
Moisture Method	AS1289.2.1.1	AS1289.2.1.1		
Moisture Ratio (%) :	75.0	87.5		
Field Dry density (t/m3)	2.01	2.05		
Variation from OMC :	2% dry of omc	1% dry of omc		
MDD (t/m3)	2.05	2.05		
OMC (%)	8.0	8.0		
Density Ratio %	98.5	100.5		
Minimum Specification:	98	98		
Moisture Specification	-	-		
Site Selection	-	-		
Soil Description	Sandy Gravel			
Remarks	-			



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APPROVED SIGNATORY

Matt McCarthy - General Manager
NATA Accreditation Number
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Document Code RF74-21

Inspection Test Plan

SECTION 4: Installation Method Continued...

Step #:	Step Details	Date Started	Date Completed	PC Signature
1.13	Trimming of Kerb beds	16/5/2023	19/5/2023	
1.14	Installation of Kerbing Structures	23/5/2023	25/5/2023	
1.18	Installation of Base fill layer - 2.1 Gravel - Layer Depth = 125mm - Compaction Rate = 100% Std - Testing Frequency = 1 test per 500m2 - Minimum of 2 tests per lot - Tests sheets () - Gravel Import Dockets ()	24/5/2023	26/5/2023	
1.19.N				
1.20	HOLD POINT – PRESEAL INSPECTION – CONTINUE NEXT PAGE			

Density Ratio Report

Client	Mite Constructions Pty Ltd	Report Number:	TS23322 - 4/1
Address :	Truscott Street, Garbutt, QLD, 4814	Report Date	13/06/2023
Project Name	Wellington Street	Client RFT	
Job Number	TS23322	Test Method :	AS1289.5.4.1
Location	Queensland, Mundingburra		Page 1 of 1

Sample Number	23-3839	23-3840	23-3841	23-3842
Test Number				
Sampling Method	AS1289.1.2.1 Clause 6.4 (B)	AS1289.1.2.1 Clause 6.4 (B)	AS1289.1.2.1 Clause 6.4 (B)	AS1289.1.2.1 Clause 6.4 (B)
Date Sampled	18/05/2023	18/05/2023	18/05/2023	18/05/2023
Date Tested	18/05/2023	18/05/2023	18/05/2023	18/05/2023
Material Type	Base	Base	Base	Base
Material Source	Penna	Penna	Penna	Penna
Lot Number				
Sample Location :	Area: Carpark Level (m): - Desc: Type 2.1 Gravel	Area: Carpark Level (m): - Desc: Type 2.1 Gravel	Area: Carpark Level (m): - Desc: Type 2.1 Gravel	Area: Carpark Level (m): - Desc: Type 2.1 Gravel
Test Depth (mm)	100	100	100	100
Layer Depth (mm)	125	125	125	125
Maximum Size (mm)	19.0	19.0	19.0	19.0
Oversize Wet (%)	0	0	0	0
Oversize Dry (%)	0	0	0	0
Oversize Density (t/m3)				
Field Moisture Content (%)	10.0	9.0	9.0	9.5
MDR Number	23-3839	23-3840	23-3839	23-3839
Assigned MDR (Y/N)	No	No	No	No
MDR Method	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1	AS1289.5.1.1
MDR Date Tested	5/06/2023	5/06/2023	5/06/2023	5/06/2023
Compactive Effort	Standard	Standard	Standard	Standard
Field Density Method	AS1289.5.8.1 & 5.4.1	AS1289.5.8.1 & 5.4.1	AS1289.5.8.1 & 5.4.1	AS1289.5.8.1 & 5.4.1
Moisture Method	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1	AS1289.2.1.1
Moisture Ratio (%) :	100.0	85.5	90.0	95.0
Field Dry density (t/m3)	1.98	2.00	2.01	2.00
Variation from OMC :	0% wet of omc	1.5% dry of omc	1% dry of omc	0.5% dry of omc
MDD (t/m3)	1.97	1.99	1.97	1.97
OMC (%)	10.0	10.5	10.0	10.0
Density Ratio %	100.5	100.5	101.5	101.0
Minimum Specification:	100	100	100	100
Moisture Specification	-	-	-	-
Site Selection	-	-	-	-
Soil Description	Type 2.1 Gravel	Type 2.1 Gravel	Type 2.1 Gravel	Type 2.1 Gravel
Remarks	-			



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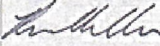
APPROVED SIGNATORY

Matt McCarthy - General Manager
NATA Accreditation Number
2856

Document Code RF74-21

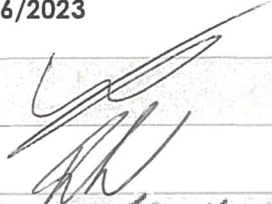
Inspection Test Plan

SECTION 4: Installation Method Continued

1.20 HOLD POINT – PRESEAL INSPECTION				
		Date	PC Signature	Consultant Signature
1.20.0	Preseal Passed? <u>(YES)</u> (NO)	29/5/2023		
1 .20	Attached mark up of area inspected			
1 .20	Mark up of any failures or areas of note			
1.20	Consultant to prescribe rectification method			

SECTION 4: Installation Method Continued...

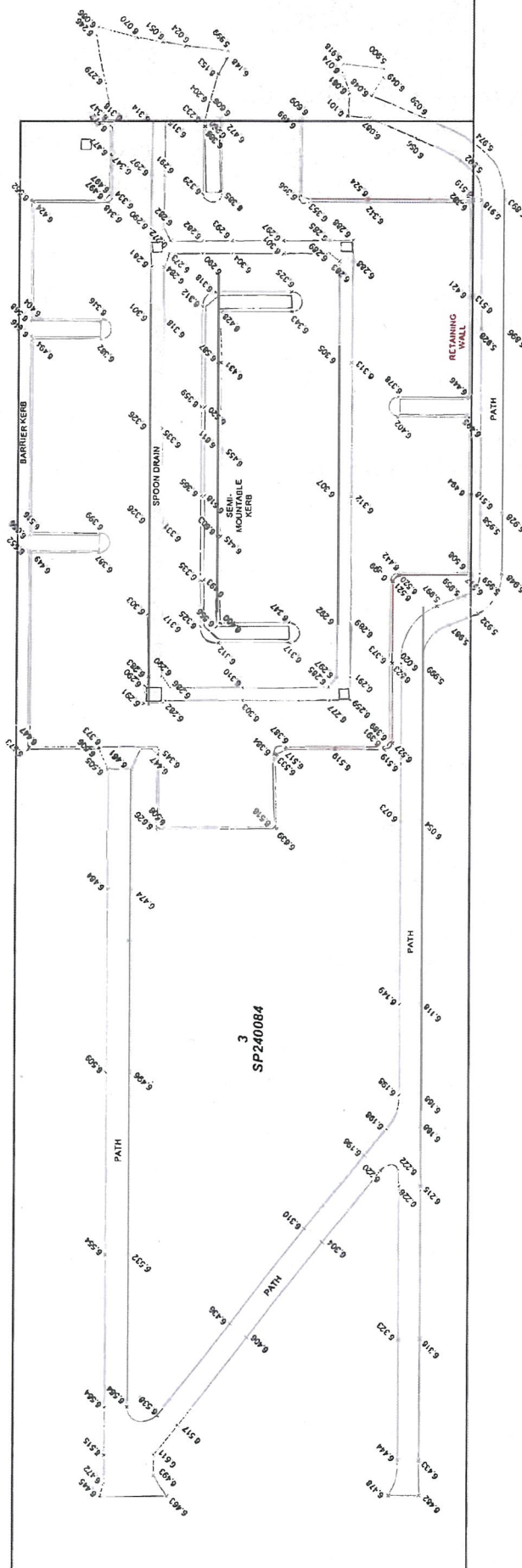
Step #:	Step Details	Date Started	Date Completed	PC Signature
1.21	Application of Primer AMC0 @ 1L/m2 Spray Sheet ()	30/5/2023	30/5/2023	
1.22	Installation of Asphalt layer AC10mm Mix @ 35mm Spread Sheet () Asphalt and Primer Quality Documents ()	31/5/2023	31/5/2023	
	Survey of Kerbing and Asphalt Levels As Constructed Plan ()	2/6/2023	2/6/2023	
1.23	Installation of Signage of Linemarking Signs Supply Docket ()	6/6/2023	9/6/2023	
1.23.N				

DATE COMPLETED	9/6/2023
ACCEPTED MITE	
ACCEPTED PC	
ACCEPTED CONSULTANT	



2
SP240084

HUGH STREET



WELLINGTON STREET

Tropical Survey Solutions PTY LTD (ACN 638 622 134) trading as
Tropical Survey Solutions (ABN 33 638 622 134)
49 Hammett St, Curralong, Qld 4812.
I hereby certify that this drawing accurately and correctly describes
and records the nature and location of the works constructed on
Wellington Street, Mundingburra, based on the survey control and
boundary information supplied and defined by others
on Plans 42735/001 Rev A and SP240084


Date: 02-06-23
Brett Young
Director

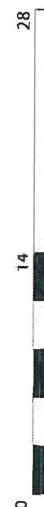
WESTERN CARPARK
AS-CONSTRUCTED SURVEY
DATE: 02-06-23



TROPICAL SURVEY
SOLUTIONS

WELLINGTON STREET CARPARK
WELLINGTON STREET
MUNDINGBURRA, QLD

Scale 1:275 @ A3	No: TSS23040-005
Surveyed: B.C.Y	Sheet 01 of 01
E: tss.brett@gmail.com	Ph: 0439 997 176
ABN: 33 638 622 134	





ASP-QLD-CTR-F16-BAQ-Daily Quality Agreement Form

CLIENT	MITES	DATE	31-5-23
PROJECT		JOB No	WQA15509
JOB LOCATION	WALLINGTON ST	SUPERVISOR	C. DASH
LOT No		FOREMAN	G. DEWMAN
CLIENT CONTACT	SCOTT	SHIFT	DAY / NIGHT

Location	Chainages	Control Line

Asphalt Type	AC10mm C320	Seal	
Asphalt Daily Quantity	95.66 t	Prime	
Total Area	1100 m ²	Tack Coat	
		Other	

Comments

[illegible]

The Boral Representative and the Customer Representative have both inspected the job site for cleanliness of all concrete kerbs, channels, paths and islands. Both parties agree that all is acceptable after the final inspection, carried out on:

Supervisor's Signature:		Time:		Date:	31-5-23
Client Approval:		Time:		Date:	31/5/23

WHITE COPY: OFFICE COPY YELLOW COPY: CUSTOMER COPY PINK COPY: BOOK COPY



ARDENT
SuperPair F
Rabbit Insulated Fire Retardant
300 x 50 x 9mm - 21mm Insulation
• Product Code 800175
• Fire Retardant Pair Coil
• Tested to AS/NZS 1530.3
• Insulation Properties
• Tested to AS/NZS 4859.1

LT6000



Proof roll subgrade inspection 10/06/23 2:00pm

Practically the entire pavement area showed excessive movement and sponginess, especially the darker coloured areas.

A 300mm deep trench was also excavated to investigate the depth of the unsuitable material. This indicated that the material continued to some depth too deep to chase.

It is recommended that the subgrade be removed to a depth of 200mm below the design subgrade level and replaced with a 200mm layer of Type 2.5 material.

A further proof roll should then be undertake to determine whether Tensar will be required.

If there is movement detected then it is recommended that a layer of TX160 or equivalent be installed at subgrade level.

The design pavement may then be installed over this layer or directly on the subgrade of there is no movement.

Attendees:

Dave Waldon (TCC)
Danielle Gross (TCC)
Ken Miller (STP)
Richard Gabrielli (AGC)
Scott (Mite)
Justin Howie

Distribution:

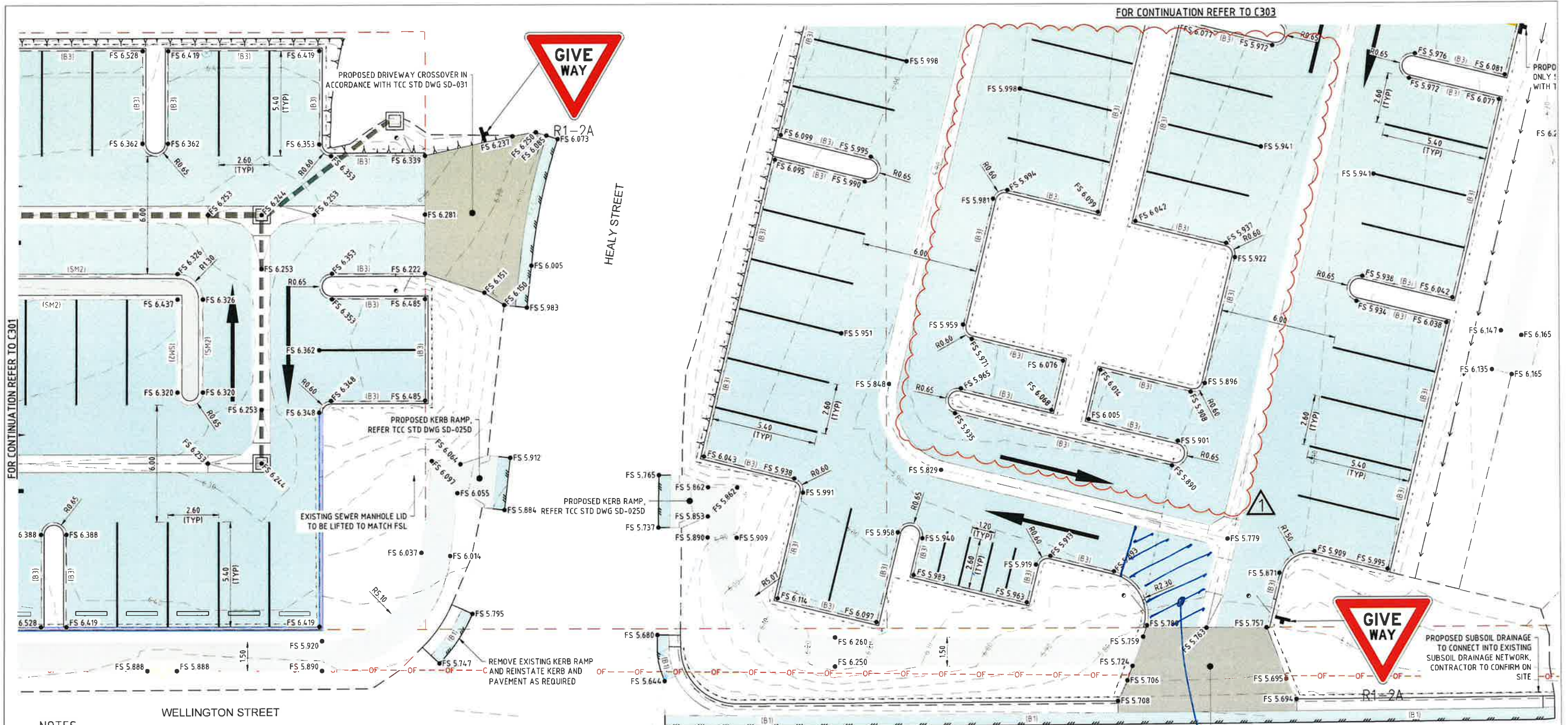
As Above
AGC project staff

Record of discussion:

- Mite advised they had completed 4no. compaction tests. Results not quoted but Mite indicated all passed.
 - Purpose of site inspection: Inspect compacted granular pavements to ensure that the pavement is ready for sealing and that it will provide a durable and long-lasting surface.
 -
 - With reference to the attached images (refer below link) the following pavement defects were identified.
-
1. Loose material on surface - across car park pavement surface areas of delamination visible and areas (eg. backfill section next to concrete invert and driveway) where surface pavement material to 75mm deep easily dislodged with boot tread.
 2. Evidence of dry moisture content in compacted material which was not bonded and easily broken with minimal effort.
 3. Evidence of excessive moisture - in a couple of locations evidence against invert excessive moisture content visible with movement visible under foot.
 4. Shape and profile - string line utilised in 6 locations across across car park. defects included asphalt surface thickness varying from 15mm to 80+mm in various locations. depth of asphalt at concrete invert inconsistent and not compliant with works specification.
 5. presealing inspection did not proceed further due to extent of visible pavement defects
 6. ponding in section of concrete invert - approx. 15mm depth ponding in north east corner of car park. Section of invert to be removed and reconstructed.
 7. damaged edge to concrete invert on north western corner - edge broken to edge of invert for approx. 600mm. TCC requests section removed and reconstructed.
-
- Corrective Action - due to extent of pavement defects spread across constructed compacted granular pavement surface localised repair not acceptable to achieve specification requirements. Ken Miller RPEQ instruction is to tyne upper base layer, blend at OMC and spread, place and compact to levels and grade indicated on civil plans. Retest for compaction requirements. Indicative timing for reinspection is 10:00am Thursday 17 August.
 - AGC to confirm when pavement defects are rectified and ready again for presealing inspection

Feel free to add any additional comments and/or clarifications to above items.

End Site Meeting - 11:00am



FOR CONTINUATION REFER TO C303

FOR CONTINUATION REFER TO C301

NOTES

- FOR OVERARCHING NOTES REFER C101 FOR DETAILS

LEGEND

- OF--- EXISTING UNDERGROUND OPTIC FIBRE
- EXISTING SEWER MAIN
- EXISTING WATERMAIN
- EXISTING STORMWATER DRAINAGE
- EXISTING LOT BOUNDARY
- EXISTING BUILDING
- EXISTING ROAD CENTRELINE
- EXISTING FENCE
- PROPOSED TOP OF BATTER
- PROPOSED BOTTOM OF BATTER
- PROPOSED DRAIN
- PROPOSED EDGE OF BITUMEN
- PROPOSED ROAD CENTRELINE
- PROPOSED STORMWATER DRAINAGE, REFER C401 FOR DETAILS
- PROPOSED RETAINING WALL, REFER, C802
- DESIGN CONTOUR (0.1m CONTOUR INTERVAL)
- DENOTES TCC TYPE D1 DISH DRAIN
- DENOTES TCC TYPE B1 BARRIER KERB AND CHANNEL
- DENOTES TCC TYPE B3 BARRIER KERB
- DENOTES FINISHED SURFACE LEVEL
- DENOTES KERB TRANSITION, REFER C801 FOR DETAILS

HATCHING LEGEND

- EXTENT OF FLEXIBLE PAVEMENT, REFER C101 FOR DETAILS
- EXTENT OF TCC INDUSTRIAL DRIVEWAY ACCESS, REFER TCC STD. DWG. SD-031
- EXTENT OF TCC CONCRETE PATHWAY, REFER TCC STD. DWG. SD-070

LEVEL DATUM

PSM No.136056
LEVEL DATUM RL7.472 AHD DERIVED
SITE COORDINATES E:477087.86 N:67219.725

EXISTING LEVELS
THE CONTRACTOR IS TO VERIFY ALL LEVELS PRIOR TO COMMENCEMENT OF WORKS. ANY DISCREPANCIES TO BE REPORTED TO THE SITE SUPERINTENDENT FOR DIRECTION

EXISTING SERVICES
ALL EXISTING SERVICES ARE TO BE LOCATED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORKS

IN ASSOCIATION WITH			
1	ISSUE FOR CONSTRUCTION	OS	KEM 24.01.23
Rev	Description	By	Appd
Amendments			

Client	COUNTERPOINT ARCHITECTURE
Project	DEPOT - WELLINGTON STREET, MUNDINGBURRA - ZONE 1
Title	FINISHED LEVELS & PAVEMENT LAYOUT PLAN (SHEET 2 OF 3)



Design	AS
Drawn	HJD
Date	JUL 2021
Checked	KEM
Certified	KEM
RPEQ No	89053

Scale	1:100
North Arrow	

THESE DRAWINGS ARE COPYRIGHT © 2021 BY STP CONSULTANTS. ALL RIGHTS RESERVED. NO PART OF THIS DRAWING IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT PERMISSION IN WRITING FROM STP CONSULTANTS.
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Job No	STP21-0817
Drawing No	C302
Revision	1
FOR CONSTRUCTION	

Hi All

Record of site discussions for Car Park 2 PreSealing Re-Inspection - 9:00am Monday 28 August

Attendees:

Dave Waldon (TCC)

Danielle Gross (TCC)

Ken Miller (STP)

Bernie Travers (AGC)

Richard Gabrielli (AGC)

Scott (Mite)

Justin Howie

Distribution:

As Above

AGC project staff

Record of discussion:

- Purpose of site inspection: Re-Inspect compacted granular pavements to ensure that the pavement is ready for sealing and that it will provide a durable and long-lasting surface.
- Sections of concrete drain identified to be reconstructed at site inspection dated 14 august confirmed now accepted.
- Refer to attached plan markups of defected pavement areas requiring corrective action.
- AGC indicated areas to be ready for inspection 2:30pm Tuesday for areas of loose material / dry moisture areas

Feel free to add any additional comments and/or clarifications to above items.

End Site Meeting - 10:30am

Construction Inspection Report

Details:

Project: Wellington St Depot, Stage 2	Job No: STP21-0817
Address: Wellington St, Mundingburra	Inspection No: 03

Client: TCC
Contractor: Gabrielli Constructions
Project Manager: Justin Howie

Time of Inspection: Start: ____ 10:00am ____ End: ____ 11:00am ____	Date: 04.10.2023
Type of Inspection: Subgrade Layer	Inspection Conducted by: Ken Miller

Site Inspection Details:

Comments
Work Elements Inspected: - Subgrade layer Stage 2 hardstand proof roll following remediation installation. Machinery Employed: - A 3-axle water truck was organised and loaded on the day of the test. Conformance with Design and Documentation: - The extent of subgrade is in accordance with the STP plans and documentation and recommendations. Quality of Workmanship: - The presentation of the worked subgrade will require additional work to remove rubbish, debris and sediment. Defects: - Minimal deflections were observed, insufficient to require further remediation. Conclusion: Subgrade layer PASSED the proof roll inspection and will be approved without minor tidy up works. Installation of the sub-base layer may proceed. Next inspection to be proof roll of the sub-base surface prior to installation of the base layer.

☒ Approved to proceed with work

☐ Further inspection required before proceeding

Signature: _____  _____

Inspection Report Circulated To:

Contractor: Yes No
 ☒ ☐

Project Manager: Yes No
 ☒ ☐

Construction Inspection Report

Project: Wellington Street Mundingburra					Job No: STP21-0817
To	Copy	Circulate	Name	Company	Method of Distribution
✓			Richard Gabrielli	Gabrielli Constructions	Email
			Kris Williams	Gabrielli Constructions	Email
	✓		File Copy		
Inspected by: Robert Brown				Date: 08/06/2023	Time: 11:00 am

- ☐ Foundations & Footings
 ☐ Concrete Slab on Ground
 ☐ Structural Steelwork
- ☐ Suspended RC Slab / Level_____
 ☐ CM Blockwork Walls / Ground Level
 ☒ Roof Framing
- ☐ Timber Framing
 ☐ Wall Framing/Bracing Walls

Comments / Sketch:

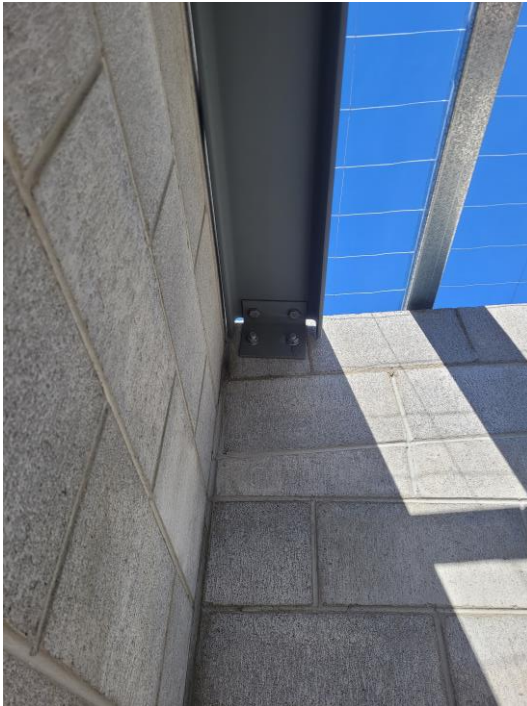
Inspected Amenities frame.

Structural framing complete.



Member sizes and connections are consistent with construction issue drawings.





☒ Approved to proceed.

Signature: **Robert Brown**

TOWNSVILLE

TELEPHONE 07 3539 8350

CAIRNS

TELEPHONE 07 3539 8380

MACKAY

TELEPHONE 07 3539 8390

BRISBANE

TELEPHONE 07 3539 8300

Construction Inspection Report

Project: Wellington Street Mundingburra					Job No: STP21-0817
To	Copy	Circulate	Name	Company	Method of Distribution
✓			Richard Gabrielli	Gabrielli Constructions	Email
			Kris Williams	Gabrielli Constructions	Email
	✓		File Copy		
Inspected by: Robert Brown				Date: 02/05/2023	Time: 12:30 pm

- ☒ Foundations & Footings
 ☐ Concrete Slab on Ground
 ☐ Structural Steelwork
- ☐ Suspended RC Slab / Level_____
 ☐ CM Blockwork Walls / Level
 ☐ Roof Framing
- ☐ Timber Framing
 ☐ Wall Framing/Bracing Walls

Comments / Sketch:

Inspected Amenities slab.

Ground floor slab reinforcing complete.



Reinforcing correct. Cover adequate.



- Ensure N16 starter bars are placed at all corners, intersections and at 800 crs max.
- Vibrate concrete.
- Maintain minimum cover.



☒ Approved to proceed.

Signature: **Robert Brown**

TOWNSVILLE

TELEPHONE 07 3539 8350

CAIRNS

TELEPHONE 07 3539 8380

MACKAY

TELEPHONE 07 3539 8390

BRISBANE

TELEPHONE 07 3539 8300

Construction Inspection Report

Project: Wellington Street Mundingburra					Job No: STP21-0817
To	Copy	Circulate	Name	Company	Method of Distribution
✓			Richard Gabrielli	Gabrielli Constructions	Email
			Kris Williams	Gabrielli Constructions	Email
	✓		File Copy		
Inspected by: Robert Brown				Date: 01/06/2023	Time: 9:00 am

☐ Foundations & Footings

☐ Concrete Slab on Ground

☐ Structural Steelwork

☐ Suspended RC Slab / Level_____

☒ CM Blockwork Walls / Ground Level

☐ Roof Framing

☐ Timber Framing

☐ Wall Framing/Bracing Walls

Comments / Sketch:

Inspected irrigation and workshop bond beam.

C.M walls complete.



Reinforcing correct. Cover adequate.



☒ Approved to proceed.

Signature: **Robert Brown**

TOWNSVILLE

TELEPHONE 07 3539 8350

CAIRNS

TELEPHONE 07 3539 8380

MACKAY

TELEPHONE 07 3539 8390

BRISBANE

TELEPHONE 07 3539 8300

Construction Inspection Report

Project: Wellington Street Mundingburra					Job No: STP21-0817
To	Copy	Circulate	Name	Company	Method of Distribution
✓			Richard Gabrielli	Gabrielli Constructions	Email
			Kris Williams	Gabrielli Constructions	Email
	✓		File Copy		
Inspected by: Robert Brown				Date: 06/07/2023	Time: 10:00 am

- ☐ Foundations & Footings
 ☐ Concrete Slab on Ground
 ☐ Structural Steelwork
- ☐ Suspended RC Slab / Level_____
 ☐ CM Blockwork Walls / Ground Level
 ☒ Roof Framing
- ☐ Timber Framing
 ☐ Wall Framing/Bracing Walls

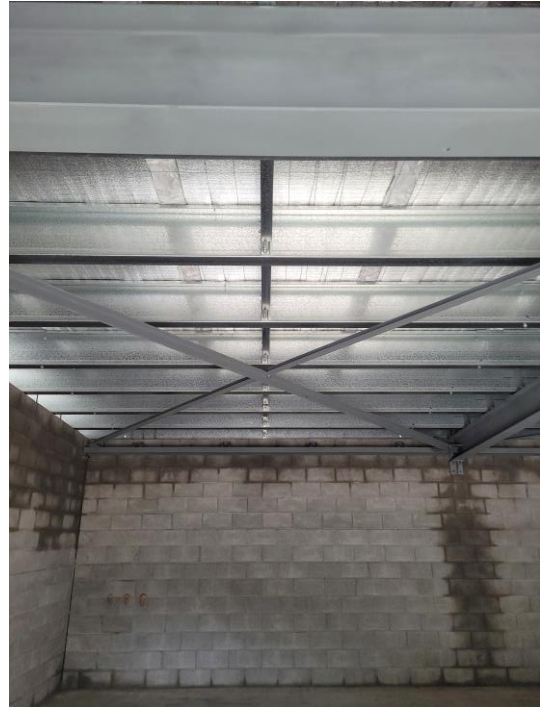
Comments / Sketch:

Inspected irrigation workshop roof frame.

Structural framing complete.



Member sizes and connections are consistent with construction issue drawings.





☒ Approved to proceed.

Signature: **Robert Brown**

TOWNSVILLE

TELEPHONE 07 3539 8350

CAIRNS

TELEPHONE 07 3539 8380

MACKAY

TELEPHONE 07 3539 8390

BRISBANE

TELEPHONE 07 3539 8300

Construction Inspection Report

Project: Wellington Street Mundingburra					Job No: STP21-0817
To	Copy	Circulate	Name	Company	Method of Distribution
✓			Richard Gabrielli	Gabrielli Constructions	Email
			Kris Williams	Gabrielli Constructions	Email
	✓		File Copy		
Inspected by: Robert Brown				Date: 09/05/2023	Time: 12:30 pm

☒ Foundations & Footings

☐ Concrete Slab on Ground

☐ Structural Steelwork

☐ Suspended RC Slab / Level_____

☐ CM Blockwork Walls / Level

☐ Roof Framing

☐ Timber Framing

☐ Wall Framing/Bracing Walls

Comments / Sketch:

Inspected Amenities slab and Wellington Street concrete path.

Slab reinforcing complete.





Reinforcing correct. Cover adequate.



- Ensure N16 starter bars are placed at all corners, intersections and at 800 crs max.
- Vibrate concrete.
- Maintain minimum cover.



☒ Approved to proceed.

Signature: **Robert Brown**

TOWNSVILLE

TELEPHONE 07 3539 8350

CAIRNS

TELEPHONE 07 3539 8380

MACKAY

TELEPHONE 07 3539 8390

BRISBANE

TELEPHONE 07 3539 8300

Construction Inspection Report

Details:

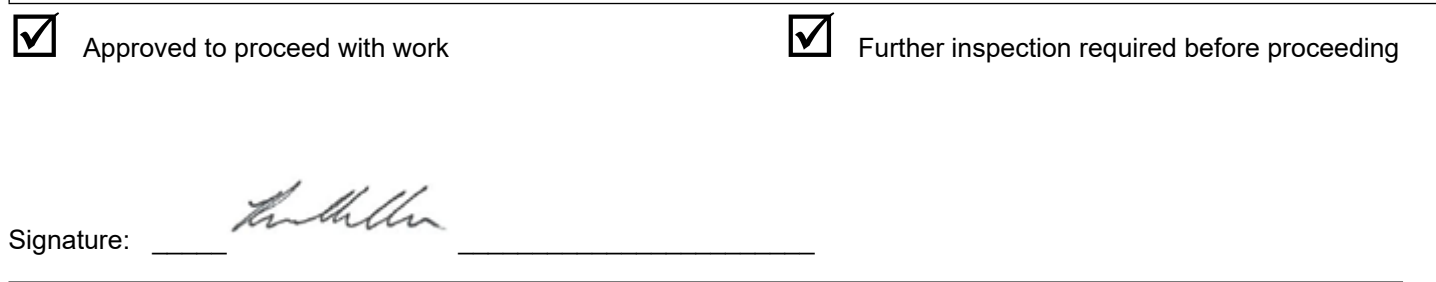
Project: Wellington St Depot, Stage 2	Job No: STP21-0817
Address: Wellington St, Mundingburra	Inspection No: 01

Client: TCC
Contractor: Gabrielli Constructions
Project Manager: Justin Howie

Time of Inspection: Start: ____ 10:00am ____ End: ____ 11:00am ____	Date: 18.09.2023
Type of Inspection: Subgrade Layer	Inspection Conducted by: Ken Miller

Site Inspection Details:

Comments
Work Elements Inspected: - Subgrade layer Stage 2 hardstand proof roll. Machinery Employed: - A 3-axle water truck was organised and loaded on the day of the test. Conformance with Design and Documentation: - The extent of subgrade is in accordance with the STP plans and documentation and recommendations. Quality of Workmanship: - The presentation of the worked subgrade was clean, free of debris, and of natural site won material. Defects: - Deflections noted as per the site markup below. Conclusion: Subgrade layer FAILED the proof roll inspection and will not be approved without further remediation. Recommended remediation measure for the areas detailed below are as follows: - Remove existing subgrade to a depth of 200mm. - Trim and compact exposed surface. - Install 200mm layer of Type 2.5 material. - Compact and trim. - Further proof roll required over remediated areas.



	Yes	No
Contractor:	☐	☐

Project Manager: ☒ Yes ☐ No

Construction Inspection Report

Details:

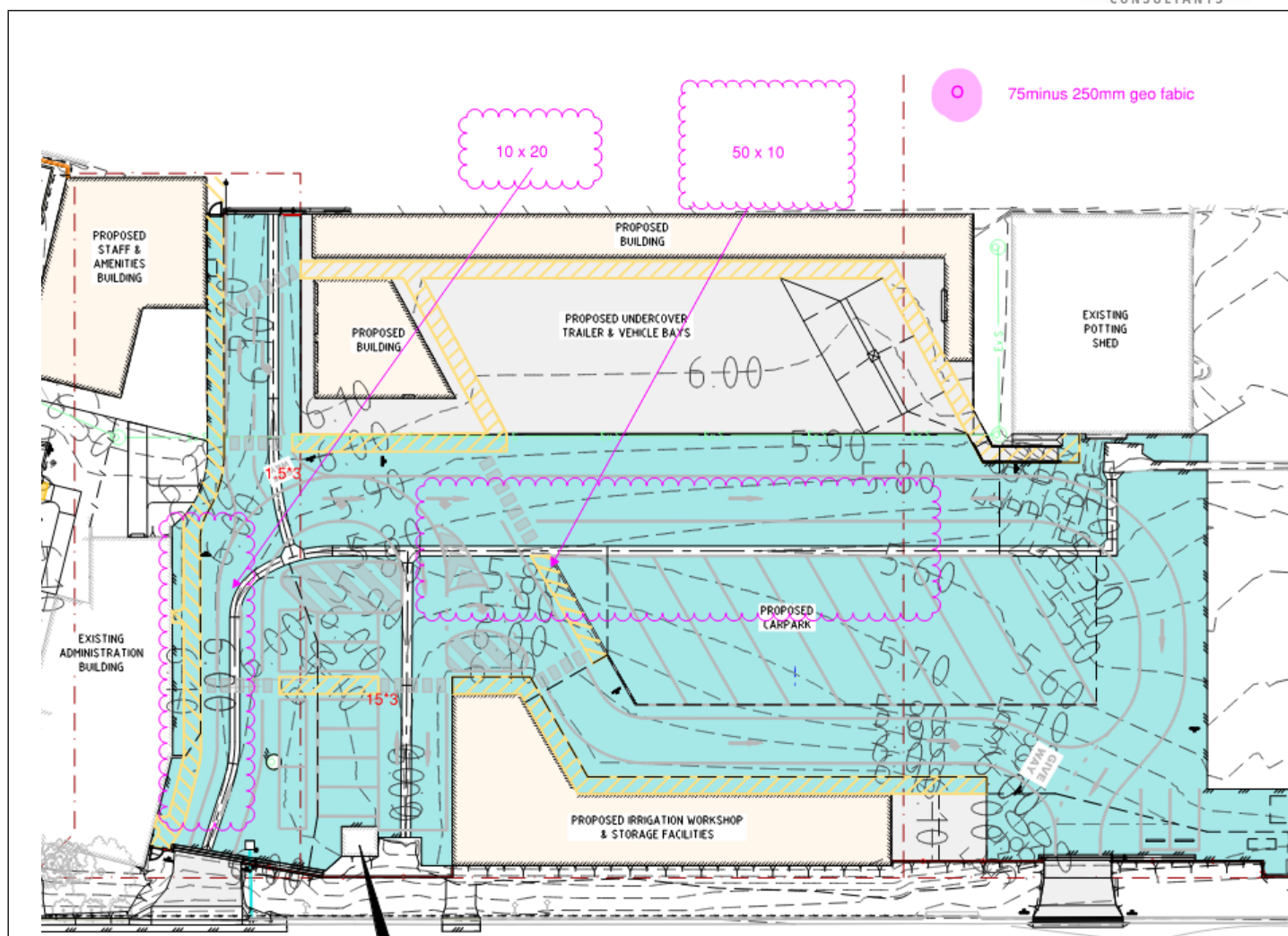
Project: Wellington St Depot, Stage 2	Job No: STP21-0817
Address: Wellington St, Mundingburra	Inspection No: 021

Client: TCC
Contractor: Gabrielli Constructions
Project Manager: Justin Howie

Time of Inspection: Start: 2:00pm End: 3:00pm	Date: 20.09.2023
Type of Inspection: Subgrade Layer	Inspection Conducted by: Ken Miller

Site Inspection Details:

Comments
Work Elements Inspected: - Subgrade layer Stage 2 hardstand proof roll. Machinery Employed: - A 3-axle water truck was organised and loaded on the day of the test. Conformance with Design and Documentation: - The extent of subgrade is in accordance with the STP plans and documentation and recommendations. Quality of Workmanship: - The presentation of the worked subgrade was clean, free of debris, and of natural site won material. Defects: - Deflections noted as per the site markup below. Conclusion: Subgrade layer FAILED the proof roll inspection and will not be approved without further remediation. Recommended remediation measure for the areas detailed below are as follows: - Remove existing subgrade to a depth of 250mm. - Trim and compact exposed surface. - Install layer of A44 Geofabric - Install 250mm layer of 75minus material. - Compact and trim. - Further proof roll required over remediated areas.



Additional inspections were also undertaken on this occasion for pre-pour of an electrical pit walls and the lintels and grates of the stormwater pits in Stage 1.

Inspection of these items was satisfactory, and works may proceed.



Approved to proceed with work



Further inspection required before proceeding

Signature: _____

Inspection Report Circulated To:

Yes No

Contractor:

☐ ☐

Yes No

Project Manager:

☒ ☐

Construction Inspection Report

Project: Wellington Street Mundingburra					Job No: STP21-0817
To	Copy	Circulate	Name	Company	Method of Distribution
✓			Richard Gabrielli	Gabrielli Constructions	Email
			Kris Williams	Gabrielli Constructions	Email
	✓		File Copy		
Inspected by: Robert Brown				Date: 29/05/2023	Time: 12:30 pm

☒ Foundations & Footings

☐ Concrete Slab on Ground

☐ Structural Steelwork

☐ Suspended RC Slab / Level_____

☐ CM Blockwork Walls / Level

☐ Roof Framing

☐ Timber Framing

☐ Wall Framing/Bracing Walls

Comments / Sketch:

Inspected workshop and trailer bay slab.

Slab reinforcing complete.





Reinforcing correct. Cover adequate.



- Ensure N16 starter bars are placed at all corners, intersections and at 800 crs max.
- Vibrate concrete.
- Maintain minimum cover.



☒ Approved to proceed.

Signature: **Robert Brown**

TOWNSVILLE

TELEPHONE 07 3539 8350

CAIRNS

TELEPHONE 07 3539 8380

MACKAY

TELEPHONE 07 3539 8390

BRISBANE

TELEPHONE 07 3539 8300

Construction Inspection Report

Details:

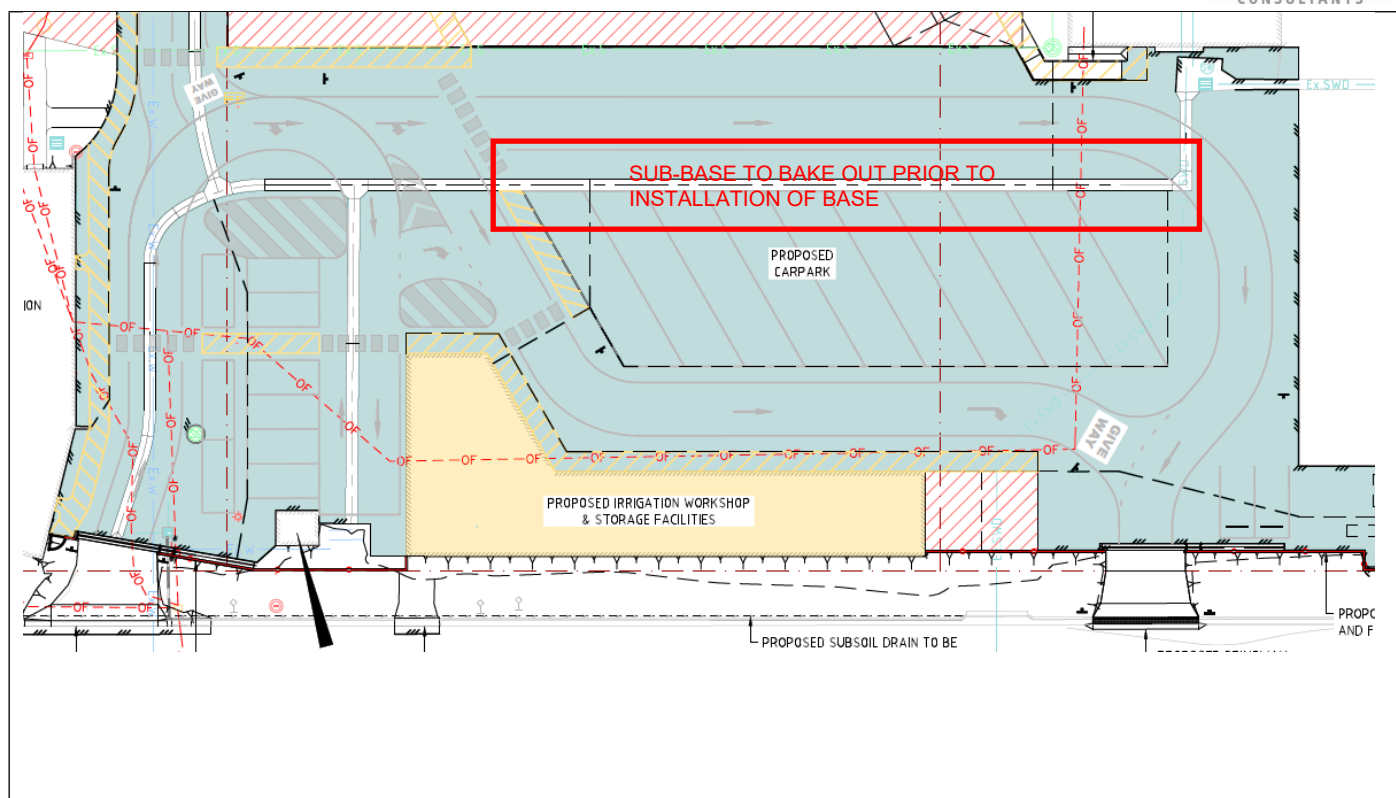
Project: Wellington St Depot, Stage 2	Job No: STP21-0817
Address: Wellington St, Mundingburra	Inspection No: 04

Client: TCC
Contractor: Gabrielli Constructions
Project Manager: Justin Howie

Time of Inspection: Start: ____ 9:00am ____ End: ____ 10:00am ____	Date: 16.10.2023
Type of Inspection: Subgrade Layer	Inspection Conducted by: Ken Miller

Site Inspection Details:

Comments
Work Elements Inspected: - Sub-base layer Stage 2 hardstand proof roll following subgrade approval. Machinery Employed: - A 3-axle water truck was organised and loaded on the day of the test. Conformance with Design and Documentation: - The extent of sub-base is in accordance with the STP plans and documentation and recommendations. Quality of Workmanship: - The presentation of the graded sub-base was wet in the invert section and showed ponding in several places. Defects: - Deflections were observed in the area shown, to 3m each side of the invert. Conclusion: Subgrade layer has partially PASSED the proof roll inspection and will be approved after allowing the centre section to bake out. Next inspection to be proof roll of the base surface prior to sealing.



Approved to proceed with work



Further inspection required before proceeding

Signature: _____

[Handwritten Signature]

Inspection Report Circulated To:

Contractor:

Yes

No



Project Manager:

Yes

No

