



**Greater Taree
City Council**

**Engineering Development/Quality
Inspection Test Plan (ITP)**

Property Address:

Cover Sheet

DA No:

ITP LISTING

REQUIRED

Yes	No	N/A
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ROAD CONSTRUCTION

- ITP100-001 Earthworks Preconstruction & Erosion/Sediment Control
- ITP100-002 Earthworks Subgrade Preparation & Sub base
- ITP100-003 Road Services Crossing & Kerbing
- ITP100-004 Basecourse Construction
- ITP100-005 Asphalt Seal / Bitumen Seal
- ITP100-006 Signs, Devices and Linemarking

DRAINAGE CONSTRUCTION

- ITP300-001 Drainage Preconstruction
- ITP300-002 Drainage Excavation & Pipelaying
- ITP300-003 Drainage Backfill
- ITP300-004 Drainage Pits / Lintels / Grates
- ITP300-005 Subsoil Drainage /Pit Grate covers and surrounds

Verified and Signed by Superintendent:

Date:



**Greater Taree
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Property Address:

Form ITP100-001
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ITP100-001 EARTHWORKS PRECONSTRUCTION & EROSION/SEDIMENT CONTROL

Road No: Chainage: to

CHECKLIST STEP	CONFORMANCE		
	Yes	No	N/A

This ITP is to be read in accordance with the approved plans and specifications, with particular reference to Parts D1, D2 and D3.02 of AUSSPEC Design Specification

1	Approved plans and specifications available			
2	GTCC advised of start date (Mick George 6592 5323 or Will Barr 6592 5366)			
<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; width: 100px; height: 20px;"></div> <div style="border: 1px solid black; width: 100px; height: 20px;"></div> </div> <p>Signature Date</p> <p style="text-align: center;">(Superintendent)</p>		HOLD POINT		

3	Erosion controls in place as per approved erosion and sediment Control plan (check daily) Authorisation to proceed requested and approved - verbal <input type="checkbox"/> - written <input type="checkbox"/>			
<p>Signature Date</p> <p style="text-align: center;">GTCC (Mick George 6592 5323 or Will Barr 6592 5366)</p> <p>Signature Date</p> <p style="text-align: center;">(Superintendent)</p>		HOLD POINT		

4	Commence clearing			
<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; width: 100px; height: 20px;"></div> <div style="border: 1px solid black; width: 100px; height: 20px;"></div> </div> <p>Signature Date</p> <p style="text-align: center;">(Superintendent)</p>		HOLD POINT		

5	Topsoil removed and stockpiled as specified			
<p>Verified and Signed by Superintendent:</p>		<p>Date:</p>		

Notes:



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ITP100-002 EARTHWORKS SUBGRADE PREPARATION & SUB BASE

Road No:

Chainage:

to

CHECKLIST STEP

CONFORMANCE

1. Erosion and Sediment Controls in Place

Authorisation to proceed requested and approved

- verbal

- written

Signature Date
GTCC (Mick George 6592 5323 or Will Barr 6592 5366)

Signature Date
(Superintendent)

HOLD POINT

2. Ground water controlled to direction

Verified and signed by Superintendent:

Date:

3. Base of excavation is compacted to 95%

NATA test certificate attached
NATA test certificate attached

4. Surface shape and subgrade levels do not exceed level tolerance of +5mm and -30mm

5. Proof roll subgrade

Signature Date
GTCC (Mick George 6592 5323 or Will Barr 6592 5366)

Signature Date
(Superintendent)

HOLD POINT

Verified and Signed by Superintendent:

Date:

Notes:



Greater Taree City Council

Engineering Development/Quality Inspection Test Plan (ITP)

Property Address:

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ITP100-003 ROAD SERVICES CROSSINGS AND KERBING

Road No:

Chainage:

to

CHECKLIST STEP	CONFORMANCE		
	YES	NO	N/A
This ITP is to be read in accordance with the approved plans and specifications, with particular reference to parts D1, D3.04, D3.07 and D3.09 of AUSSPEC Design Specification			
1. Roads services crossings completed to plan			
Sewer crossings complete with non cohesive backfill			
Drainage complete with non cohesive backfill			
Power/Telstra/communication and water service crossings complete with sand/cement backfill			
2. Earthworks and subgrade preparation completed			
3. Proof roll subgrade			
Authorisation to proceed requested and approved - verbal <input type="checkbox"/> - written <input type="checkbox"/>			
Signature Date GTCC (Mick George 6592 5323 or Will Barr 6592 5366)	HOLD POINT		
Signature Date (Superintendent)			
4. Subdivisional pegs & set out pegs in place			
5. Sample of sub base tested for gradings, PI & CBR for compliance with RTA spec 3051 category 2(c); results submitted to Council.			NATA test certificate attached
6. Sub base layer minimum 100mm thick 650mm behind kerb face is spread and compacted to 100% Std. Compaction to AS1289 (1 test/100m min. 3 tests)			NATA test certificate attached
Authorisation to proceed requested and approved - verbal <input type="checkbox"/> - written <input type="checkbox"/>			
Signature Date GTCC (Mick George 6592 5323 or Will Barr 6592 5366)	HOLD POINT		
Signature Date (Superintendent)			



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ITP100-003 ROAD SERVICES CROSSINGS AND KERBING

Road No:

Chainage:

to

	CHECKLIST STEP	CONFORMANCE		
		YES	NO	N/A
7.	Proof roll sub-base with Council under proposed kerb and gutter			
	Authorisation to proceed kerbing/concrete placing - verbal <input type="checkbox"/> - written <input type="checkbox"/> Signature Date <small>GTCC (Mick George 6592 5323 or Will Barr 6592 5366)</small> Signature Date <small>(Superintendent)</small>	HOLD POINT		
8.	Low slump 20Mpa concrete kerb mix placed by machine and finished to a smooth continuous surface with joints at 3m centres and kerb adaptors installed			
9.	Kerbing correct line measured off undamaged setout pegs +/- 15mm			
10.	Road correct width measured between kerbs +/- 15mm			
11.	Levels within +/- 10mm			
12.	Survey check results attached reference (for WAE).....			
Verified and Signed by Superintendent:		Date:		
Notes:				



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Property Address:

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ITP100-004 BASECOURSE CONSTRUCTION

Road No:

Chainage:

to

CHECKLIST STEP

CONFORMANCE

YES NO N/A

This ITP is to be read in accordance with the approved plans and specifications, with particular reference to parts D1, D3.06 and D3.07 of AUSSPEC Design Specification

1. Kerbing completed and complies

2. Kerb inlet pits completed and conforms

3. Sub-base/select layer conforms

4. Sample of base tested for gradings, PI & CBR for compliance with RTA spec 3051 category 2(c); results submitted to Council

NATA test certificate attached

Authorisation to proceed requested and approved

- verbal

- written

Signature Date

GTCC (Mick George 6592 5323 or Will Barr 6592 5366)

Signature Date

(Superintendent)

HOLD POINT

5. Base layer minimum 40mm below kerb lip is spread, compacted and finished to 100% Std. Compaction to AS1289 (1 test/100m min. 3 tests)

NATA test certificate attached

6. Surface shape and basecourse levels do not exceed level tolerance of +/- 10mm

7. Deflection tested with Benkelman Beam at 20m intervals in alternate wheel paths in each lane

NATA test certificate attached

8. Deflections less than || 1.25mm Collector Roads

Tolerance limits set by || 1.70mm Access Roads

ARRB SR41 Table XIX || 2.05mm Minor Roads

See attached report

Verified and Signed by Superintendent:

Date:

Notes:



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ITP100-005 ASPHALT SEAL / BITUMEN SEAL

Road No:

Chainage:

to

CHECKLIST STEP

CONFORMANCE

YES NO N/A

This ITP is to be read in accordance with the approved plans and specifications, with particular reference to parts D1 and D3.08 of AUSSPEC Design Specification

1. Basecourse completed and conforms

2. Pavement surface is tight and free of loose material

3. Proof roll base with Council

4. Authorisation to proceed with seal
- verbal - written

Signature Date
GTCC (Mick George 6592 5323 or Will Barr 6592 5366)

Signature Date
(Superintendent)

HOLD POINT

5. Weather is fine, rain is not threatening and the pavement temperature has been above 10 degrees celsius for at least 1 hour

6. Tack coat of emulsion including 7mm prime seal applied at 0.25 litres/sq.m

7. 40mm of hot AC10 Dense Graded Asphalt is supplied, placed and compacted in accordance with AS2150 & AS2734

8. 25mm AC10 dense graded Asphalt including prime seal and 7mm aggregate (access place and local street only) is supplied, placed and compacted in accordance with AS2150 and AS2734.

9. Manufacturers test certificates meet RTA Table R116.1 for other than heavy duty pavements supplied to Council

10. Weigh bridge dockets attached for supply

Verified and Signed by Superintendent:

Date:

Notes:



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ITP100-006 SIGNS, DEVICES AND LINEMARKING

Road No:

Chainage:

to

CHECKLIST STEP

CONFORMANCE

YES	NO	N/A
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This ITP is to be read in accordance with the approved plans and specifications, with particular reference to parts D1 and D5.06 of AUSSPEC Design Specification

1. Seal completed and conforms

SIGNS AND DEVICES

2. Supplied materials conform

3. New signs installed as scheduled in project plans and specification

4. Concrete footings installed

LINEMARKING

1. Asphalt surface swept clean

2. Traffic control established; traffic control plan submitted to Council

3. Set out and spot position of all lines, symbols

4. Line marking completed to project plans and specification

Verified and Signed by Superintendent:

Date:

Notes:



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ITP300-001 DRAINAGE PRECONSTRUCTION

Line No:

Pit No's:

CHECKLIST STEP	CONFORMANCE		
	YES	NO	N/A
This ITP is to be read in accordance with the approved plans and specifications, with particular reference to parts D1, D4.01 and D4.02 of AUSSPEC Design Specification			
1. Approved plans available			
2. Earthworks completed to finished level cut/fill			
3. GTCC advised of start date (Mick George 6592 5323 or Will Barr 6592 5366)			
4. Subdivisional pegs and set out pegs in place Authorisation to proceed requested and approved - verbal <input type="checkbox"/> - written <input type="checkbox"/> Signature Date <small>(Superintendent)</small>			HOLD POINT
5. Existing services located and marked clearly			
6. a) All materials delivered comply with order and specification (refer D4.02)			
b) Pipe type, class and size matches plan			
c) Date of manufacturer of uPVC plastic pipes			

NAME	YEARS OF PIPELAYING EXPERIENCE	&/OR INDUSTRY CERTIFICATE ATTACHED

Verified and Signed by Superintendent: **Date:**

Notes:



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ITP300-002 DRAINAGE EXCAVATION & PIPELAYING

Line No:

Pit No's:

CHECKLIST STEP	CONFORMANCE		
	YES	NO	N/A
This ITP is to be read in accordance with the approved plans and specifications, with particular reference to parts D1, D4.03 and D4.04 and D4.05 of AUSSPEC Design Specification			
1. Preconstruction completed and conforms			
2. Mark out trenches			
3. Trenches excavated to depth and grade laser, allowing 100mm bedding in accordance with specification			
4. Trench foundation and walls firm stiff and suitable (firm clay requires moderate effort to penetrate 30mm with thumb in trench wall)			
4A. Sediment/erosion control devices (eg., silt fence) in place Authorisation to proceed requested and approved - verbal <input type="checkbox"/> - written <input type="checkbox"/> Signature Date GTCC (Mick George 6592 5323 or Will Barr 6592 5366) Signature Date (Superintendent)			HOLD POINT
4B. Trenches > 1.5m deep; shoring in place. Authorisation to proceed requested and approved - verbal <input type="checkbox"/> - written <input type="checkbox"/> Signature Date GTCC (Mick George 6592 5323 or Will Barr 6592 5366) Signature Date (Superintendent)			HOLD POINT
5. Presence of groundwater or unsuitable material Authorisation to proceed requested and approved - verbal <input type="checkbox"/> - written <input type="checkbox"/> Signature Date (Superintendent)			HOLD POINT
6. Groundwater or unsuitable material controlled to direction			
7. Spread bedding material to 100mm depth and compact to take a footprint less than 10mm deep			
8. Pipe laid to project drawings grade and line ensuring that there is no foreign material in or near the socket prior to levering pipe into place (D4.05.3)			
9. Visually inspect each joint, checking witness marks and rubber rings			
Verified and Signed by Superintendent:	Date:		



**Greater Taree
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Project:		Form ITP300-003 Page 1 of 1		
ITP300-003 DRAINAGE BACKFILL				
Line No:		Pit No's:		
CHECKLIST STEP		CONFORMANCE		
		YES	NO	N/A
This ITP is to be read in accordance with the approved plans and specifications, with particular reference to parts D1, D4.03 and D4.011 of AUSSPEC Design Specification				
1.	Pipelaying completed and conforms			
2.	Grades over 15% install concrete bulkheads every third joint of RCP			
3.	All uPVC pipes laid on grades over 15% install bulkheads every second joint and bed on grade 20 concrete			
4.	Grades over 50% concrete encase the uPVC pipe in grade 20 concrete and bulkheads every 2nd joint			
5.	Sample of backfill material tested for gradings in accordance with specification and results submitted to Council.			
		NATA test certificates attached		
6.	Backfill trench with bedding sand to 200mm above pipe and compact to take a footprint less than 10mm			
7.	Backfill and compact trench to approved plans Authorisation to proceed requested and approved - verbal <input type="checkbox"/> - written <input type="checkbox"/> Signature Date GTCC (Mick George 6592 5323 or Will Barr 6592 5366) Signature Date (Superintendent)			
		HOLD POINT		
8.	Roadway crossings are to be backfilled with imported granular fill material in 150mm layers compacted to 95% std compaction to AS1289 (min. 1 test/crossing)			
		NATA test certificates attached		
Verified and Signed by Superintendent:		Date:		
Notes:				



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ITP300-005 SUBSOIL DRAINAGE / PIT GRATE COVERS & SURROUNDS

Line No:

Pit No's:

CHECKLIST STEP	CONFORMANCE		
	YES	NO	N/A
This ITP is to be read in accordance with the approved plans and specifications, with particular reference to parts D1, D4.06, D4.12 and D5 of AUSSPEC Design Specification			
1. Pipelaying and drainage pits conform			
2. Place and compact select fill around pits, taking care to raise the fill equally around pits to avoid unbalanced lateral loading			
3. Junction/Surcharge and Interallotment pit grate covers and surrounds are installed to standard drawings			
4. Kerbing transitions completed and conforms			
5. KIGP lintel, grates and surrounds are constructed to standard drawings and part 5.10 of the spec			
6. Sample of backfill material tested for gradings for compliance with the specification; results submitted to Council.			
Authorisation to proceed requested and approved - verbal <input type="checkbox"/> - written <input type="checkbox"/> Signature Date <small>GTCC (Mick George 6592 5323 or Will Barr 6592 5366)</small> Signature Date <small>(Superintendent)</small>			HOLD POINT
7. Subsoil drainage installed and backfilled behind kerb on all cut batters and as marked on the stormwater plans, in accordance with the standard detail on plan			
8. Subsoil drains layed at a minimum grade of 0.5% with flushing points at the end and at 60m spaces			
9. Subsoil drains connected into drainage pits -500mm above invert of pit			
10. Restore to pre existing conditon all surfaces and services altered during construction			
11. All drainage lines and structures are to be within Greater Taree City Council tolerances			
			WAE spreadsheet attached
Verified and Signed by Superintendent:			Date
Notes:			