Northern Territory Town Camps

Civil Infrastructure

Inspection Date 24/11/2016 2:38:50 PM

Insp ID: 1125	Group 4 - Alice Springs	Nyewente (Trucking Yards)

What Water Asset Are you Capturing: Water Meter

Water Meter Type:	Lot
Bulk Water Meter Size (mm):	
Bulk Water Meter Condition:	
Bulk Water Meter Comment:	
Lot Number:	19
Lot Water Meter Size:	20
Lot Water Meter Condition:	2 - Poor
Lot Water Meter Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 24/11/2016 2:37:33 PM

Insp ID: 1126	Group 4 - Alice Springs	Nyewente (Trucking Yards)

What Water Asset Are you Capturing: Water Meter

Water Meter Type:	Lot
Bulk Water Meter Size (mm):	
Bulk Water Meter Condition:	
Bulk Water Meter Comment:	
Lot Number:	19
Lot Water Meter Size:	20
Lot Water Meter Condition:	2 - Poor
Lot Water Meter Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 24/11/2016 4:21:59 PM

Insp ID: 1130	Group 4 - Alice Springs	Nyewente (Trucking Yards)

What Water Asset Are you Capturing: Water Meter

Water Meter Type:	Lot
Bulk Water Meter Size (mm):	
Bulk Water Meter Condition:	
Bulk Water Meter Comment:	
Lot Number:	3
Lot Water Meter Size:	
Lot Water Meter Condition:	3 - Good
Lot Water Meter Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 24/11/2016 4:21:59 PM



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 24/11/2016 4:20:39 PM

Insp ID: 1131	Group 4 - Alice Springs	Nyewente (Trucking Yards)

What Water Asset Are you Capturing: Water Meter

Water Meter Type:	Lot
Bulk Water Meter Size (mm):	
Bulk Water Meter Condition:	
Bulk Water Meter Comment:	
Lot Number:	1
Lot Water Meter Size:	
Lot Water Meter Condition:	3 - Good
Lot Water Meter Comment:	Water meter appears good, large puddle behind water meter





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 24/11/2016 4:20:39 PM



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 24/11/2016 4:16:54 PM

Insp ID: 1133 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Water Asset Are you Capturing: Water Meter

Water Meter Type:	Lot
Bulk Water Meter Size (mm):	
Bulk Water Meter Condition:	
Bulk Water Meter Comment:	
Lot Number:	4
Lot Water Meter Size:	20
Lot Water Meter Condition:	4 - Very Good
Lot Water Meter Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 24/11/2016 4:15:56 PM

Insp ID: 1134	Group 4 - Alice Springs	Nyewente (Trucking Yards)

What Water Asset Are you Capturing: Water Meter

Water Meter Type:	Lot
Bulk Water Meter Size (mm):	
Bulk Water Meter Condition:	
Bulk Water Meter Comment:	
Lot Number:	2
Lot Water Meter Size:	20
Lot Water Meter Condition:	4 - Very Good
Lot Water Meter Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 24/11/2016 4:08:22 PM

Insp ID: 1137	Group 4 - Alice Springs	Nyewente (Trucking Yards)

What Water Asset Are you Capturing: Water Meter

Water Meter Type:	Lot
Bulk Water Meter Size (mm):	
Bulk Water Meter Condition:	
Bulk Water Meter Comment:	
Lot Number:	6
Lot Water Meter Size:	20
Lot Water Meter Condition:	3 - Good
Lot Water Meter Comment:	Covered by grass





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 24/11/2016 4:07:35 PM

Insp ID: 1138	Group 4 - Alice Springs	Nyewente (Trucking Yards)

What Water Asset Are you Capturing: Water Meter

Water Meter Type:	Lot
Bulk Water Meter Size (mm):	
Bulk Water Meter Condition:	
Bulk Water Meter Comment:	
Lot Number:	8
Lot Water Meter Size:	20
Lot Water Meter Condition:	3 - Good
Lot Water Meter Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 24/11/2016 4:06:20 PM

Insp ID: 1139	Group 4 - Alice Springs	Nyewente (Trucking Yards)

What Water Asset Are you Capturing: Water Meter

Water Meter Type:	Lot
Bulk Water Meter Size (mm):	
Bulk Water Meter Condition:	
Bulk Water Meter Comment:	
Lot Number:	10
Lot Water Meter Size:	20
Lot Water Meter Condition:	4 - Very Good
Lot Water Meter Comment:	

Northern Territory Town Camps

Civil Infrastructure

Inspection Date 24/11/2016 3:50:15 PM

Insp ID: 1142	Group 4 - Alice Springs	Nyewente (Trucking Yards)

What Water Asset Are you Capturing: Water Meter

Water Meter Type:	Lot
Bulk Water Meter Size (mm):	
Bulk Water Meter Condition:	
Bulk Water Meter Comment:	
Lot Number:	14
Lot Water Meter Size:	20
Lot Water Meter Condition:	3 - Good
Lot Water Meter Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 24/11/2016 3:49:12 PM

Insp ID: 1143	Group 4 - Alice Springs	Nyewente (Trucking Yards)

What Water Asset Are you Capturing: Water Meter

Water Meter Type:	Lot
Bulk Water Meter Size (mm):	
Bulk Water Meter Condition:	
Bulk Water Meter Comment:	
Lot Number:	12
Lot Water Meter Size:	20
Lot Water Meter Condition:	3 - Good
Lot Water Meter Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 24/11/2016 3:44:50 PM

Insp ID: 1146	Group 4 - Alice Springs	Nyewente (Trucking Yards)

What Water Asset Are you Capturing: Water Meter

Water Meter Type:	Lot
Bulk Water Meter Size (mm):	
Bulk Water Meter Condition:	
Bulk Water Meter Comment:	
Lot Number:	10
Lot Water Meter Size:	20
Lot Water Meter Condition:	3 - Good
Lot Water Meter Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 24/11/2016 3:44:50 PM



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 24/11/2016 3:41:04 PM

Insp ID: 1149	Group 4 - Alice Springs	Nyewente (Trucking Yards)

What Water Asset Are you Capturing: Water Meter

Water Meter Type:	Lot
Bulk Water Meter Size (mm):	
Bulk Water Meter Condition:	
Bulk Water Meter Comment:	
Lot Number:	
Lot Water Meter Size:	
Lot Water Meter Condition:	3 - Good
Lot Water Meter Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 24/11/2016 3:41:04 PM



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 25/11/2016 8:57:00 AM

Insp ID: 1165	Group 4 - Alice Springs	Nyewente (Trucking Yards)

What Water Asset Are you Capturing: Water Meter

Water Meter Type:	Lot
Bulk Water Meter Size (mm):	
Bulk Water Meter Condition:	
Bulk Water Meter Comment:	
Lot Number:	3
Lot Water Meter Size:	20
Lot Water Meter Condition:	4 - Very Good
Lot Water Meter Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 25/11/2016 8:56:07 AM

Insp ID: 1166	Group 4 - Alice Springs	Nyewente (Trucking Yards)

What Water Asset Are you Capturing: Water Meter

Water Meter Type:	Lot
Bulk Water Meter Size (mm):	
Bulk Water Meter Condition:	
Bulk Water Meter Comment:	
Lot Number:	5
Lot Water Meter Size:	20
Lot Water Meter Condition:	4 - Very Good
Lot Water Meter Comment:	





Northern Territory Town Camps

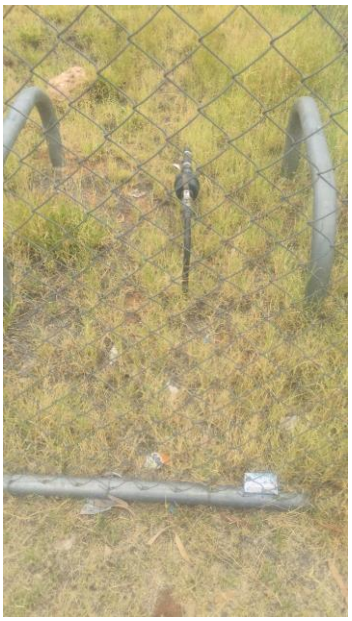
Civil Infrastructure

Inspection Date 25/11/2016 8:52:01 AM

Insp ID: 1170	Group 4 - Alice Springs	Nyewente (Trucking Yards)

What Water Asset Are you Capturing: Water Meter

Water Meter Type:	Lot
Bulk Water Meter Size (mm):	
Bulk Water Meter Condition:	
Bulk Water Meter Comment:	
Lot Number:	7
Lot Water Meter Size:	20
Lot Water Meter Condition:	4 - Very Good
Lot Water Meter Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 25/11/2016 8:44:04 AM

Insp ID: 1176	Group 4 - Alice Springs	Nyewente (Trucking Yards)

What Water Asset Are you Capturing: Water Meter

Water Meter Type:	Lot
Bulk Water Meter Size (mm):	
Bulk Water Meter Condition:	
Bulk Water Meter Comment:	
Lot Number:	11
Lot Water Meter Size:	20
Lot Water Meter Condition:	4 - Very Good
Lot Water Meter Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 25/11/2016 8:43:13 AM

Insp ID: 1177	Group 4 - Alice Springs	Nyewente (Trucking Yards)

What Water Asset Are you Capturing: Water Meter

Water Meter Type:	Lot
Bulk Water Meter Size (mm):	
Bulk Water Meter Condition:	
Bulk Water Meter Comment:	
Lot Number:	13
Lot Water Meter Size:	20
Lot Water Meter Condition:	3 - Good
Lot Water Meter Comment:	





Electrical inspection report



A3 scale: 1:2,000

0 20 40 60 80 100 m

Date: 23/02/2017 Version: 3

Coordinate system: MGA94 Zone 52

NT Town Camp Infrastructure Assessments: Electrical

129 - Nyewente (Alice Springs)

2964

Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 17/01/2017 11:57:32 AM

Insp ID: 3598 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing: Electrical Meters

Meter Type: Prepaid

Meter Switchboard Cond: 3

Meter Condition: 3

Meter Comment:

Comments:



Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 17/01/2017 11:37:06 AM

Insp ID: 3599	Group 4 - Alice Springs	Nyewente (Trucking Yards)

What Category are you capturing: Electrical Meters

Meter Type: Prepaid

Meter Switchboard Cond: 3

Meter Condition: 3

Meter Comment:

Comments:



Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 17/01/2017 11:25:37 AM

Insp ID: 3600	Group 4 - Alice Springs	Nyewente (Trucking Yards)

What Category are you capturing: Electrical Meters

Meter Type:	Prepaid
Meter Switchboard Cond:	2
Meter Condition:	3
Meter Comment:	Blank plates are missing on CB slot.
Comments:	



Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 17/01/2017 11:03:53 AM

Insp ID: 3601	Group 4 - Alice Springs	Nyewente (Trucking Yards)

What Category are you capturing: Electrical Meters

Meter Type:	Prepaid
Meter Switchboard Cond:	
Meter Condition:	3
Meter Comment:	Condition of CB not assessed.
Comments:	



Northern Territory Town Camps

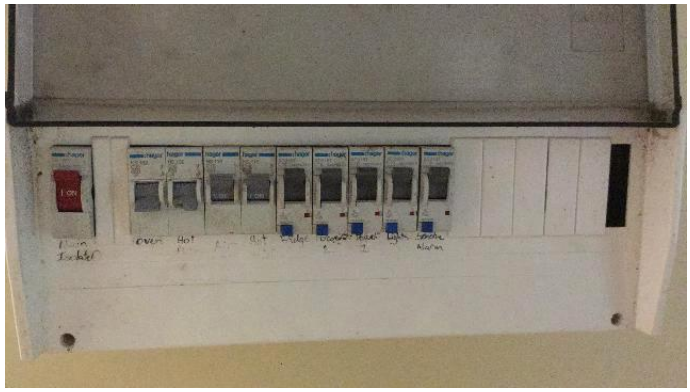
Electrical Infrastructure

Inspection Date 17/01/2017 10:32:47 AM

Insp ID: 3602	Group 4 - Alice Springs	Nyewente (Trucking Yards)

What Category are you capturing:	Electrical Meters	
Meter Type:	Prepaid	
Meter Switchboard Cond:		
Meter Condition:	3	
Meter Comment:	Condition of CB not assessed.	Indoor SB, Cond 3
Comments:		





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 17/01/2017 10:17:24 AM

Insp ID: 3603	Group 4 - Alice Springs	Nyewente (Trucking Yards)

What Category are you capturing: Electrical Meters

Meter Type:	Prepaid
Meter Switchboard Cond:	3
Meter Condition:	3
Meter Comment:	Indoor SB, Cond 3
Comments:	





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 17/01/2017 12:06:49 PM

Insp ID: 3634 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing: Electrical Meters

Meter Type: Prepaid

Meter Switchboard Cond: 3

Meter Condition: 3

Meter Comment:

Comments:





Northern Territory Town Camps

Electrical Infrastructure

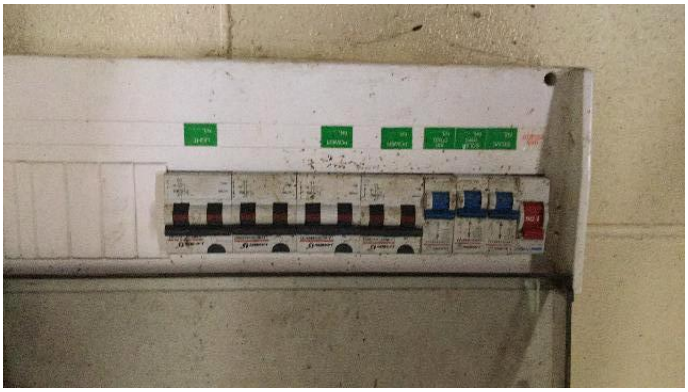
Inspection Date 17/01/2017 10:57:51 AM

Insp ID: 3635	Group 4 - Alice Springs	Nyewente (Trucking Yards)

What Category are you capturing: Electrical Meters

Meter Type:	Prepaid	
Meter Switchboard Cond:		
Meter Condition:	3	
Meter Comment:	Condition of CB not assessed.	Indoor SB, Cond 3
Comments:		





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 17/01/2017 10:43:53 AM

Insp ID: 3636 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing: Electrical Meters

Meter Type: Prepaid

Meter Switchboard Cond: 3

Meter Condition: 3

Meter Comment:

Comments:





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 17/01/2017 10:02:20 AM

Insp ID: 3637 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing: Electrical Meters

Meter Type:	Prepaid
Meter Switchboard Cond:	2
Meter Condition:	3
Meter Comment:	Blank plates are missing on CB slot. Indoor SB, Cond 2, Blank plates are missing on CB slo
Comments:	





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 23/01/2017 11:04:33 AM

Insp ID: 3668 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing: Electrical Meters

Meter Type: Prepaid

Meter Switchboard Cond: 3

Meter Condition: 3

Meter Comment:

Comments:





Northern Territory Town Camps

Electrical Infrastructure

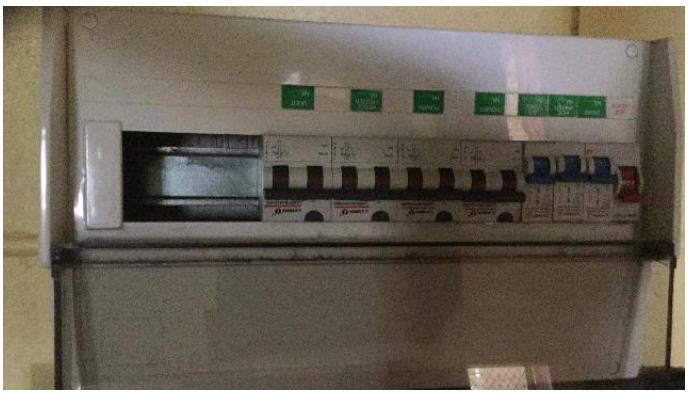
Inspection Date 23/01/2017 10:23:49 AM

Insp ID: 3669	Group 4 - Alice Springs	Nyewente (Trucking Yards)

What Category are you capturing: Electrical Meters

Meter Type:	Prepaid
Meter Switchboard Cond:	3
Meter Condition:	3
Meter Comment:	Indoor SB, Cond 2, Blank plates are missing on CB slot.
Comments:	





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/01/2017 2:01:05 PM

Insp ID: 3676 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing: Electrical Meters

Meter Type:	Prepaid
Meter Switchboard Cond:	3
Meter Condition:	3
Meter Comment:	Indoor SB, Cond 3
Comments:	





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/01/2017 1:46:34 PM

Insp ID: 3677 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing: Electrical Meters

Meter Type: Prepaid

Meter Switchboard Cond: 2

Meter Condition: 3

Meter Comment: Blank plates are missing on CB slot.

Comments:





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/01/2017 1:46:37 PM

Insp ID: 3682	Group 4 - Alice Springs	Nyewente (Trucking Yards)

What Category are you capturing: Electrical Meters

Meter Type: Prepaid

Meter Switchboard Cond: 3

Meter Condition: 3

Meter Comment:

Comments:





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/01/2017 3:41:16 PM

Insp ID: 3689 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing: Electrical Meters

Meter Type: Prepaid

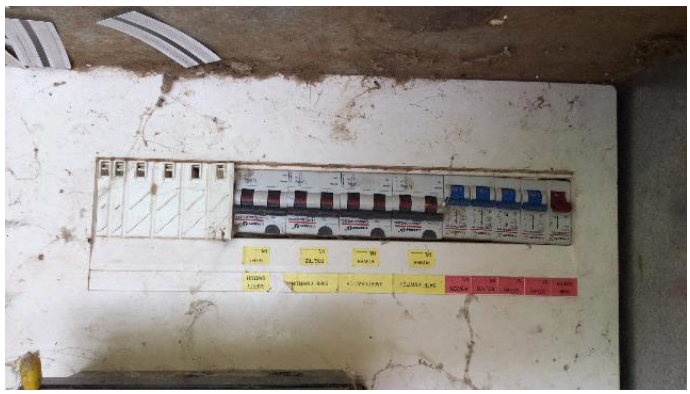
Meter Switchboard Cond: 3

Meter Condition: 3

Meter Comment:

Comments:





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 4:58:04 PM

Insp ID: 558 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
What is Pole Material type:	Welded
What is the condition of pole:	3
How is the pole planted:	Concrete
What is the Condition of plant:	3
Is street light fitted:	Yes
Street Light Power Supply:	
Street Light Type	S70 D10
Street Light Watts	70
Street Light Condition	3
Street Light Height	
What is the type of service:	Combined
What is the HV voltage level:	
What is the arrangement of connected cables:	Twisted
Are there isolators on the pole:	No
What is the Condition:	
How many Lots are connected to this pole:	
Overhead Pole Comments:	

Northern Territory Town Camps

Electrical Infrastructure

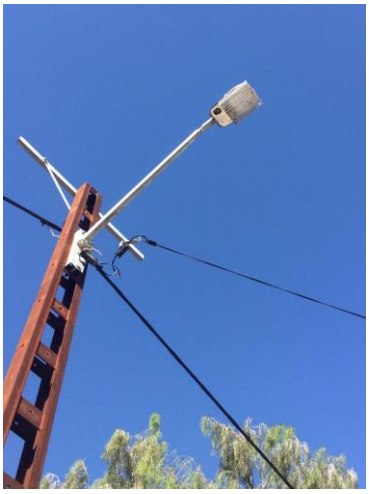
Inspection Date 24/11/2016 4:58:04 PM











Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 4:54:27 PM

Insp ID: 559 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
What is Pole Material type:	Steel
What is the condition of pole:	4
How is the pole planted:	Concrete
What is the Condition of plant:	3
Is street light fitted:	No
Street Light Power Supply:	
Street Light Type	
Street Light Watts	
Street Light Condition	
Street Light Height	
What is the type of service:	Single
What is the HV voltage level:	
What is the arrangement of connected cables:	Twisted
Are there isolators on the pole:	No
What is the Condition:	
How many Lots are connected to this pole:	
Overhead Pole Comments:	

Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 4:54:27 PM







Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 4:52:05 PM

Insp ID: 561 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
What is Pole Material type:	Steel
What is the condition of pole:	4
How is the pole planted:	Concrete
What is the Condition of plant:	3
Is street light fitted:	No
Street Light Power Supply:	
Street Light Type	
Street Light Watts	
Street Light Condition	
Street Light Height	
What is the type of service:	Single
What is the HV voltage level:	
What is the arrangement of connected cables:	Twisted
Are there isolators on the pole:	No
What is the Condition:	
How many Lots are connected to this pole:	
Overhead Pole Comments:	

Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 4:52:05 PM







Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 4:50:01 PM

Insp ID: 562 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
What is Pole Material type:	Steel
What is the condition of pole:	4
How is the pole planted:	Concrete
What is the Condition of plant:	3
Is street light fitted:	No
Street Light Power Supply:	
Street Light Type	
Street Light Watts	
Street Light Condition	
Street Light Height	
What is the type of service:	Single
What is the HV voltage level:	
What is the arrangement of connected cables:	Twisted
Are there isolators on the pole:	No
What is the Condition:	
How many Lots are connected to this pole:	
Overhead Pole Comments:	

Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 4:50:01 PM







Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 4:47:53 PM

Insp ID: 563 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
What is Pole Material type:	Welded
What is the condition of pole:	3
How is the pole planted:	Concrete
What is the Condition of plant:	3
Is street light fitted:	Yes
Street Light Power Supply:	
Street Light Type	S70 D10
Street Light Watts	70
Street Light Condition	3
Street Light Height	
What is the type of service:	Combined
What is the HV voltage level:	
What is the arrangement of connected cables:	Twisted
Are there isolators on the pole:	No
What is the Condition:	
How many Lots are connected to this pole:	
Overhead Pole Comments:	415

Northern Territory Town Camps

Electrical Infrastructure

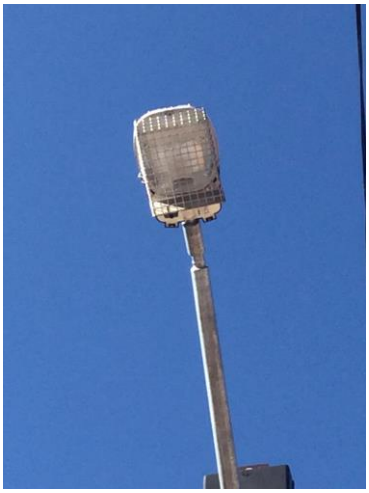
Inspection Date 24/11/2016 4:47:53 PM













Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 4:43:22 PM

Insp ID: 564 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
What is Pole Material type:	Welded
What is the condition of pole:	3
How is the pole planted:	Concrete
What is the Condition of plant:	3
Is street light fitted:	Yes
Street Light Power Supply:	
Street Light Type	Unknown
Street Light Watts	
Street Light Condition	3
Street Light Height	
What is the type of service:	Three
What is the HV voltage level:	
What is the arrangement of connected cables:	Twisted
Are there isolators on the pole:	No
What is the Condition:	
How many Lots are connected to this pole:	
Overhead Pole Comments:	416

Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 4:43:22 PM









Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 4:40:20 PM

Insp ID: 565 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
What is Pole Material type:	Steel
What is the condition of pole:	4
How is the pole planted:	Concrete
What is the Condition of plant:	3
Is street light fitted:	No
Street Light Power Supply:	
Street Light Type	
Street Light Watts	
Street Light Condition	
Street Light Height	
What is the type of service:	Single
What is the HV voltage level:	
What is the arrangement of connected cables:	Twisted
Are there isolators on the pole:	No
What is the Condition:	
How many Lots are connected to this pole:	
Overhead Pole Comments:	

Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 4:40:20 PM







Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 4:38:12 PM

Insp ID: 566 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
What is Pole Material type:	Welded
What is the condition of pole:	3
How is the pole planted:	Concrete
What is the Condition of plant:	3
Is street light fitted:	Yes
Street Light Power Supply:	
Street Light Type	S70 D10
Street Light Watts	70
Street Light Condition	3
Street Light Height	
What is the type of service:	Combined
What is the HV voltage level:	
What is the arrangement of connected cables:	Twisted
Are there isolators on the pole:	No
What is the Condition:	
How many Lots are connected to this pole:	
Overhead Pole Comments:	415

Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 4:38:12 PM













Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 4:29:35 PM

Insp ID: 567 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
What is Pole Material type:	Welded
What is the condition of pole:	3
How is the pole planted:	Concrete
What is the Condition of plant:	3
Is street light fitted:	Yes
Street Light Power Supply:	
Street Light Type	Unknown
Street Light Watts	
Street Light Condition	3
Street Light Height	
What is the type of service:	Combined
What is the HV voltage level:	
What is the arrangement of connected cables:	Twisted
Are there isolators on the pole:	No
What is the Condition:	
How many Lots are connected to this pole:	
Overhead Pole Comments:	415

Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 4:29:35 PM









Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 4:26:04 PM

Insp ID: 568 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
What is Pole Material type:	Steel
What is the condition of pole:	4
How is the pole planted:	Concrete
What is the Condition of plant:	3
Is street light fitted:	
Street Light Power Supply:	
Street Light Type	
Street Light Watts	
Street Light Condition	
Street Light Height	
What is the type of service:	Single
What is the HV voltage level:	
What is the arrangement of connected cables:	Twisted
Are there isolators on the pole:	No
What is the Condition:	
How many Lots are connected to this pole:	
Overhead Pole Comments:	415

Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 4:26:04 PM







Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 4:19:40 PM

Insp ID: 569 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
What is Pole Material type:	Welded
What is the condition of pole:	3
How is the pole planted:	Concrete
What is the Condition of plant:	1
Is street light fitted:	Yes
Street Light Power Supply:	
Street Light Type	S70 D10
Street Light Watts	70
Street Light Condition	3
Street Light Height	
What is the type of service:	Three
What is the HV voltage level:	
What is the arrangement of connected cables:	Twisted
Are there isolators on the pole:	No
What is the Condition:	
How many Lots are connected to this pole:	
Overhead Pole Comments:	415

Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 4:19:40 PM











Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 4:15:52 PM

Insp ID: 570 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
What is Pole Material type:	Welded
What is the condition of pole:	3
How is the pole planted:	Concrete
What is the Condition of plant:	
Is street light fitted:	Yes
Street Light Power Supply:	
Street Light Type	S70 D10
Street Light Watts	70
Street Light Condition	3
Street Light Height	
What is the type of service:	Three
What is the HV voltage level:	
What is the arrangement of connected cables:	Twisted
Are there isolators on the pole:	No
What is the Condition:	
How many Lots are connected to this pole:	
Overhead Pole Comments:	415

Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 4:15:52 PM













Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 4:12:12 PM

Insp ID: 571 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
What is Pole Material type:	Welded
What is the condition of pole:	3
How is the pole planted:	Concrete
What is the Condition of plant:	3
Is street light fitted:	Yes
Street Light Power Supply:	
Street Light Type	S70 D10
Street Light Watts	70
Street Light Condition	3
Street Light Height	
What is the type of service:	Combined
What is the HV voltage level:	11000
What is the arrangement of connected cables:	Parallel
Are there isolators on the pole:	Yes
What is the Condition:	3
How many Lots are connected to this pole:	
Overhead Pole Comments:	

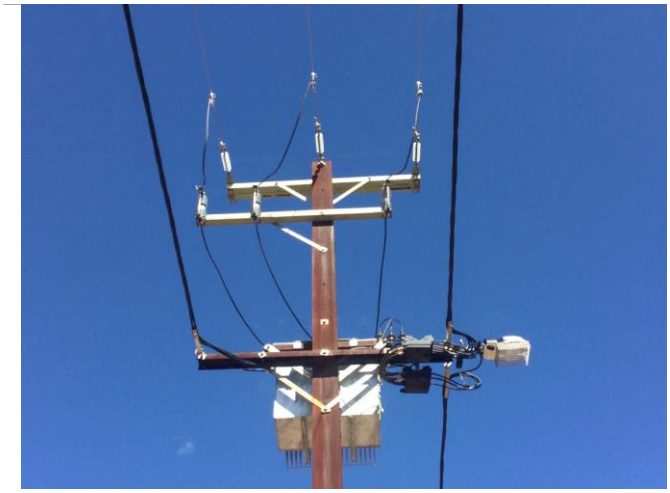
Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 4:12:12 PM

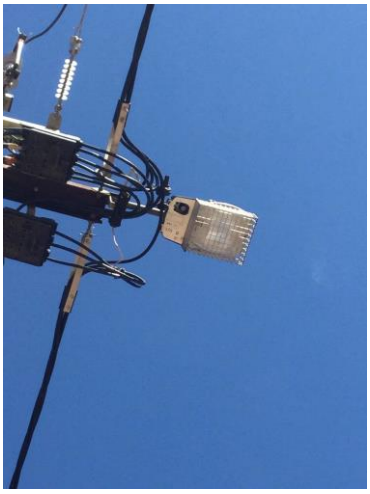












Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 3:43:40 PM

Insp ID: 574 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
What is Pole Material type:	Welded
What is the condition of pole:	3
How is the pole planted:	Concrete
What is the Condition of plant:	3
Is street light fitted:	Yes
Street Light Power Supply:	
Street Light Type	S70 D10
Street Light Watts	70
Street Light Condition	3
Street Light Height	
What is the type of service:	Combined
What is the HV voltage level:	
What is the arrangement of connected cables:	Parallel
Are there isolators on the pole:	Yes
What is the Condition:	3
How many Lots are connected to this pole:	
Overhead Pole Comments:	HV /.415 LV

Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 3:43:40 PM













Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 3:35:43 PM

Insp ID: 575	Group 4 - Alice Springs	Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
What is Pole Material type:	Steel
What is the condition of pole:	4
How is the pole planted:	Concrete
What is the Condition of plant:	3
Is street light fitted:	No
Street Light Power Supply:	
Street Light Type	
Street Light Watts	
Street Light Condition	
Street Light Height	
What is the type of service:	Single
What is the HV voltage level:	
What is the arrangement of connected cables:	Twisted
Are there isolators on the pole:	No
What is the Condition:	
How many Lots are connected to this pole:	
Overhead Pole Comments:	415

Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 3:35:43 PM







Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 3:33:15 PM

Insp ID: 576	Group 4 - Alice Springs	Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
What is Pole Material type:	Steel
What is the condition of pole:	4
How is the pole planted:	Concrete
What is the Condition of plant:	3
Is street light fitted:	No
Street Light Power Supply:	
Street Light Type	
Street Light Watts	
Street Light Condition	
Street Light Height	
What is the type of service:	Single
What is the HV voltage level:	
What is the arrangement of connected cables:	Twisted
Are there isolators on the pole:	
What is the Condition:	
How many Lots are connected to this pole:	
Overhead Pole Comments:	415

Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 3:33:15 PM







Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 3:31:18 PM

Insp ID: 577 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
What is Pole Material type:	Steel
What is the condition of pole:	4
How is the pole planted:	Concrete
What is the Condition of plant:	3
Is street light fitted:	No
Street Light Power Supply:	
Street Light Type	
Street Light Watts	
Street Light Condition	
Street Light Height	
What is the type of service:	Single
What is the HV voltage level:	
What is the arrangement of connected cables:	Twisted
Are there isolators on the pole:	No
What is the Condition:	
How many Lots are connected to this pole:	
Overhead Pole Comments:	

Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 3:31:18 PM





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 3:27:36 PM

Insp ID: 578 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
What is Pole Material type:	Welded
What is the condition of pole:	3
How is the pole planted:	Concrete
What is the Condition of plant:	3
Is street light fitted:	Yes
Street Light Power Supply:	
Street Light Type	S70 D10
Street Light Watts	70
Street Light Condition	3
Street Light Height	
What is the type of service:	Three
What is the HV voltage level:	
What is the arrangement of connected cables:	Twisted
Are there isolators on the pole:	No
What is the Condition:	
How many Lots are connected to this pole:	
Overhead Pole Comments:	415

Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 3:27:36 PM











Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 3:24:15 PM

Insp ID: 580 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
What is Pole Material type:	Welded
What is the condition of pole:	3
How is the pole planted:	Concrete
What is the Condition of plant:	3
Is street light fitted:	Yes
Street Light Power Supply:	
Street Light Type	S70 D10
Street Light Watts	70
Street Light Condition	3
Street Light Height	
What is the type of service:	Three
What is the HV voltage level:	
What is the arrangement of connected cables:	Twisted
Are there isolators on the pole:	No
What is the Condition:	
How many Lots are connected to this pole:	
Overhead Pole Comments:	415

Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 3:24:15 PM











Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 3:19:38 PM

Insp ID: 581 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
What is Pole Material type:	Welded
What is the condition of pole:	3
How is the pole planted:	Concrete
What is the Condition of plant:	
Is street light fitted:	No
Street Light Power Supply:	
Street Light Type	
Street Light Watts	
Street Light Condition	
Street Light Height	
What is the type of service:	Three
What is the HV voltage level:	
What is the arrangement of connected cables:	Twisted
Are there isolators on the pole:	No
What is the Condition:	
How many Lots are connected to this pole:	
Overhead Pole Comments:	415

Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 3:19:38 PM









Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 3:16:44 PM

Insp ID: 582	Group 4 - Alice Springs	Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
What is Pole Material type:	Welded
What is the condition of pole:	3
How is the pole planted:	Concrete
What is the Condition of plant:	3
Is street light fitted:	No
Street Light Power Supply:	
Street Light Type	
Street Light Watts	
Street Light Condition	
Street Light Height	
What is the type of service:	Three
What is the HV voltage level:	
What is the arrangement of connected cables:	Twisted
Are there isolators on the pole:	No
What is the Condition:	
How many Lots are connected to this pole:	
Overhead Pole Comments:	

Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 3:16:44 PM









Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 3:14:20 PM

Insp ID: 583 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
What is Pole Material type:	Welded
What is the condition of pole:	3
How is the pole planted:	Concrete
What is the Condition of plant:	3
Is street light fitted:	No
Street Light Power Supply:	
Street Light Type	
Street Light Watts	
Street Light Condition	
Street Light Height	
What is the type of service:	Three
What is the HV voltage level:	
What is the arrangement of connected cables:	Twisted
Are there isolators on the pole:	
What is the Condition:	
How many Lots are connected to this pole:	
Overhead Pole Comments:	

Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 3:14:20 PM







Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 3:11:26 PM

Insp ID: 585 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
What is Pole Material type:	Welded
What is the condition of pole:	3
How is the pole planted:	Concrete
What is the Condition of plant:	3
Is street light fitted:	Yes
Street Light Power Supply:	
Street Light Type	S70 D10
Street Light Watts	70
Street Light Condition	3
Street Light Height	
What is the type of service:	Three
What is the HV voltage level:	
What is the arrangement of connected cables:	Twisted
Are there isolators on the pole:	No
What is the Condition:	
How many Lots are connected to this pole:	
Overhead Pole Comments:	415

Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 3:11:26 PM









Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 25/11/2016 9:35:39 AM

Insp ID: 633 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
What is Pole Material type:	Welded
What is the condition of pole:	3
How is the pole planted:	Concrete
What is the Condition of plant:	
Is street light fitted:	Yes
Street Light Power Supply:	
Street Light Type	S70 D10
Street Light Watts	70
Street Light Condition	3
Street Light Height	
What is the type of service:	Combined
What is the HV voltage level:	110000
What is the arrangement of connected cables:	Parallel
Are there isolators on the pole:	Yes
What is the Condition:	3
How many Lots are connected to this pole:	
Overhead Pole Comments:	11/.415

Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 25/11/2016 9:35:39 AM













Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 25/11/2016 9:30:04 AM

Insp ID: 634 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
What is Pole Material type:	Steel
What is the condition of pole:	3
How is the pole planted:	Concrete
What is the Condition of plant:	3
Is street light fitted:	No
Street Light Power Supply:	
Street Light Type	
Street Light Watts	
Street Light Condition	
Street Light Height	
What is the type of service:	Single
What is the HV voltage level:	
What is the arrangement of connected cables:	Twisted
Are there isolators on the pole:	No
What is the Condition:	
How many Lots are connected to this pole:	
Overhead Pole Comments:	415

Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 25/11/2016 9:30:04 AM









Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 25/11/2016 9:26:58 AM

Insp ID: 635 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
What is Pole Material type:	Welded
What is the condition of pole:	3
How is the pole planted:	Concrete
What is the Condition of plant:	3
Is street light fitted:	Yes
Street Light Power Supply:	
Street Light Type	S70 D10
Street Light Watts	70
Street Light Condition	3
Street Light Height	
What is the type of service:	Combined
What is the HV voltage level:	11000
What is the arrangement of connected cables:	Parallel
Are there isolators on the pole:	Yes
What is the Condition:	3
How many Lots are connected to this pole:	
Overhead Pole Comments:	11/.415

Northern Territory Town Camps

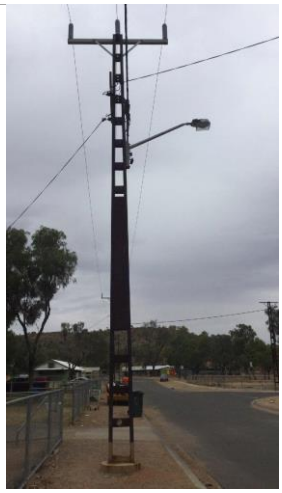
Electrical Infrastructure

Inspection Date 25/11/2016 9:26:58 AM













Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 25/11/2016 9:22:22 AM

Insp ID: 636 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
What is Pole Material type:	Welded
What is the condition of pole:	3
How is the pole planted:	Concrete
What is the Condition of plant:	3
Is street light fitted:	Yes
Street Light Power Supply:	
Street Light Type	S70 D10
Street Light Watts	70
Street Light Condition	3
Street Light Height	
What is the type of service:	Combined
What is the HV voltage level:	11000
What is the arrangement of connected cables:	Parallel
Are there isolators on the pole:	Yes
What is the Condition:	3
How many Lots are connected to this pole:	
Overhead Pole Comments:	11/.415

Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 25/11/2016 9:22:22 AM













Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 25/11/2016 9:17:24 AM

Insp ID: 637 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
What is Pole Material type:	Welded
What is the condition of pole:	3
How is the pole planted:	Concrete
What is the Condition of plant:	3
Is street light fitted:	Yes
Street Light Power Supply:	
Street Light Type	S70 D10
Street Light Watts	70
Street Light Condition	3
Street Light Height	
What is the type of service:	Combined
What is the HV voltage level:	11000
What is the arrangement of connected cables:	Parallel
Are there isolators on the pole:	Yes
What is the Condition:	3
How many Lots are connected to this pole:	
Overhead Pole Comments:	11/.415

Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 25/11/2016 9:17:24 AM













Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 4:58:04 PM

Insp ID: 558 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
Is street light fitted:	Yes
Street Light Power Supply:	
Street Light Type	S70 D10
Street Light Watts	70
Street Light Condition	3
Street Light Height	





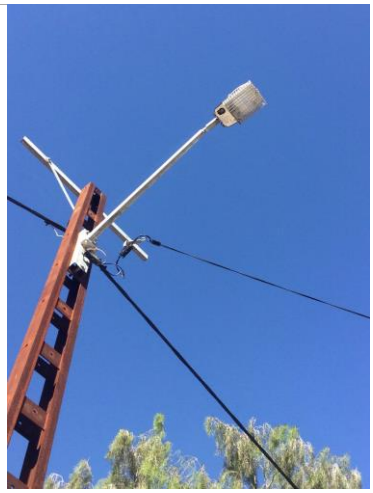




Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 4:58:04 PM



Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 4:47:53 PM

Insp ID: 563 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
Is street light fitted:	Yes
Street Light Power Supply:	
Street Light Type	S70 D10
Street Light Watts	70
Street Light Condition	3
Street Light Height	





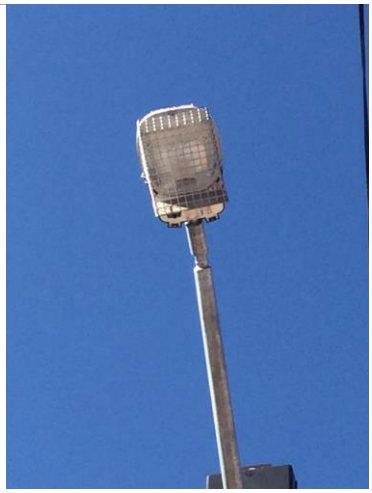




Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 4:47:53 PM





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 4:43:22 PM

Insp ID: 564 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
Is street light fitted:	Yes
Street Light Power Supply:	
Street Light Type	Unknown
Street Light Watts	
Street Light Condition	3
Street Light Height	









Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 4:38:12 PM

Insp ID: 566 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
Is street light fitted:	Yes
Street Light Power Supply:	
Street Light Type	S70 D10
Street Light Watts	70
Street Light Condition	3
Street Light Height	









Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 4:38:12 PM





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 4:29:35 PM

Insp ID: 567	Group 4 - Alice Springs	Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
Is street light fitted:	Yes
Street Light Power Supply:	
Street Light Type	Unknown
Street Light Watts	
Street Light Condition	3
Street Light Height	









Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 4:19:40 PM

Insp ID: 569	Group 4 - Alice Springs	Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
Is street light fitted:	Yes
Street Light Power Supply:	
Street Light Type	S70 D10
Street Light Watts	70
Street Light Condition	3
Street Light Height	









Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 4:19:40 PM



Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 4:15:52 PM

Insp ID: 570	Group 4 - Alice Springs	Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
Is street light fitted:	Yes
Street Light Power Supply:	
Street Light Type	S70 D10
Street Light Watts	70
Street Light Condition	3
Street Light Height	









Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 4:15:52 PM





Northern Territory Town Camps

Electrical Infrastructure

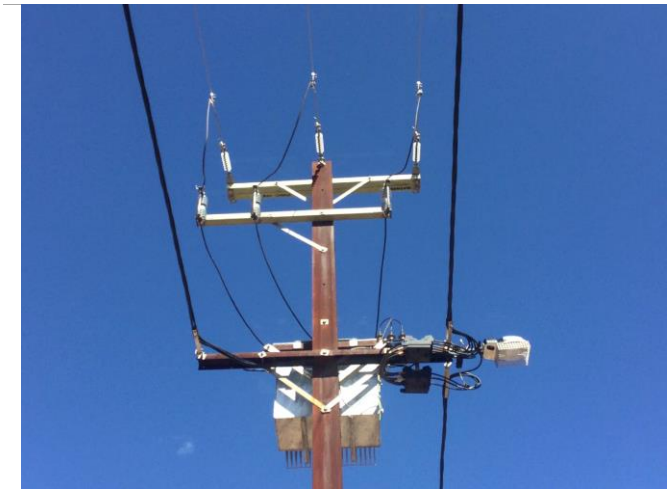
Inspection Date 24/11/2016 4:12:12 PM

Insp ID: 571 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
Is street light fitted:	Yes
Street Light Power Supply:	
Street Light Type	S70 D10
Street Light Watts	70
Street Light Condition	3
Street Light Height	







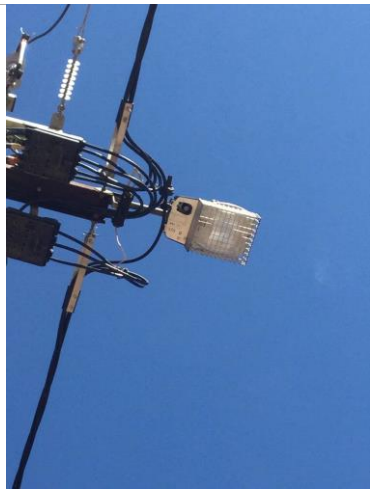


Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 4:12:12 PM





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 3:43:40 PM

Insp ID: 574 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
Is street light fitted:	Yes
Street Light Power Supply:	
Street Light Type	S70 D10
Street Light Watts	70
Street Light Condition	3
Street Light Height	









Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 3:43:40 PM





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 3:27:36 PM

Insp ID: 578	Group 4 - Alice Springs	Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
Is street light fitted:	Yes
Street Light Power Supply:	
Street Light Type	S70 D10
Street Light Watts	70
Street Light Condition	3
Street Light Height	









Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 3:27:36 PM



Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 3:24:15 PM

Insp ID: 580 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
Is street light fitted:	Yes
Street Light Power Supply:	
Street Light Type	S70 D10
Street Light Watts	70
Street Light Condition	3
Street Light Height	





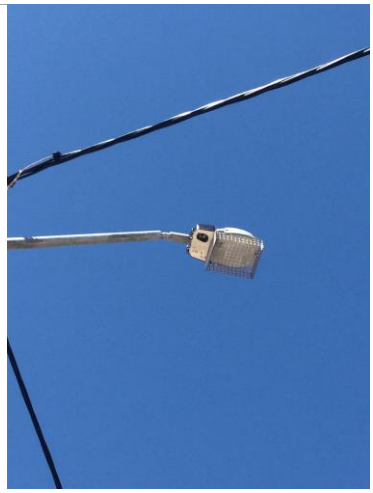




Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 3:24:15 PM



Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 3:11:26 PM

Insp ID: 585 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
Is street light fitted:	Yes
Street Light Power Supply:	
Street Light Type	S70 D10
Street Light Watts	70
Street Light Condition	3
Street Light Height	









Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 25/11/2016 9:35:39 AM

Insp ID: 633 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
Is street light fitted:	Yes
Street Light Power Supply:	
Street Light Type	S70 D10
Street Light Watts	70
Street Light Condition	3
Street Light Height	









Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 25/11/2016 9:35:39 AM





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 25/11/2016 9:26:58 AM

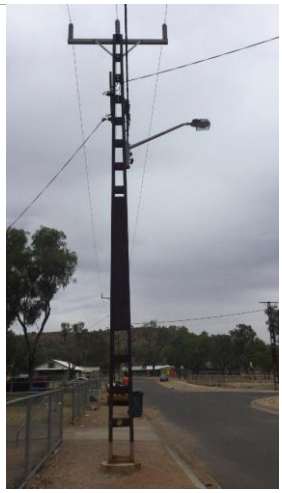
Insp ID: 635 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
Is street light fitted:	Yes
Street Light Power Supply:	
Street Light Type	S70 D10
Street Light Watts	70
Street Light Condition	3
Street Light Height	









Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 25/11/2016 9:26:58 AM





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 25/11/2016 9:22:22 AM

Insp ID: 636 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
Is street light fitted:	Yes
Street Light Power Supply:	
Street Light Type	S70 D10
Street Light Watts	70
Street Light Condition	3
Street Light Height	









Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 25/11/2016 9:22:22 AM





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 25/11/2016 9:17:24 AM

Insp ID: 637 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing:	Overhead Poles
Is street light fitted:	Yes
Street Light Power Supply:	
Street Light Type	S70 D10
Street Light Watts	70
Street Light Condition	3
Street Light Height	









Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 25/11/2016 9:17:24 AM





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 3:51:11 PM

Insp ID: 573 Group 4 - Alice Springs Nyewente (Trucking Yards)

What Category are you capturing:	Transformers
What is Transformer installation method:	Pole
If method know:	11SS1P
What is the condition of the mounting:	3
What is Transformer Rating:	315
Is there access to transformers name plate to take a photo:	No Access
What is the condition of transformer:	3
What is cable type to transformer:	Black single insulated single core
What is cable size to transformer:	
Is there switch gear or fusing associated with the transformer:	Drop out fuses and surge arrestors
Transformer Comment:	11/.415 kV









Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 24/11/2016 3:51:11 PM

Road map

ROAD COULD NOT BE ASSESSED

129_1

McCormack Street

Legend

- Start of road

Road_Condition

- 1-Very poor
- 2-Poor
- 3-Good
- 4-Very good
- 5-Excellent
- Town Camp boundary

Map by: DMcP P:\GIS\Projects\253963_NT_Town_Camps\253963_003_Roads_DDP2.mxd 11/02/2017 17:17 Imagery: copyright DigitalGlobe WV 2

A3 scale: 1:2,000

0 20 40 60 80 100 m

Date: 11/02/2017 Version: 1

Coordinate system: GDA 1994

NT Town Camp Road Assessments

129 - Nyewente (Alice Springs)

3069

Existing drawings

-23°41'07" 383 750 E 384 000 E 384 250 E 384 500 E -23°41'07"
7 380 000 N
7 379 750 N

3202
4574
8070
3925
BRAITLING
3924
3
4
11
ADAMS
1
Community Uses
5
10
8
9
7
2
18
6
Ablution
5152
8069
CICCONE
TOWN OF ALICE SPRINGS
12
14
13
15
9104
9108
9197
SMITH STREET
4575
Community Uses
6152
CRISPE STREET
5139
5826
4888
7422
ARALUEN
8092
8078
DRIVE
LOVEGROVE
9198
9199
9200
9201
9202
6453
9106
9283
2704

LAND USE PLANNING:
APPROX. POSITION OF BUILDING constructed since date of photography

LAND EXCLUDED FROM DEVELOPMENT
GENERAL EXCLUSION BUFFERS
CULTURAL EXCLUSION AREAS:
Unauthorised entry, works on or use of land where there is a sacred site is an offence under the Northern Territory Aboriginal Sacred Sites Act. For conditions relating to works on or use of land within a Cultural Exclusion Area contact the Aboriginal Areas Protection Authority (AAPA) email enquiries.aapa@nt.gov.au or phone 8999 4332.
This advice does not negate the need for consent for entry, works, or use which may be required under the Aboriginal Land Rights(NT) Act (in the case of Aboriginal land), or another statute.

© NORTHERN TERRITORY OF AUSTRALIA

CADASTRE
Current 123
Proposed 123
Locality LOCALITY

UTILITY SERVICES
ELECTRICITY
LOW VOLTAGE LV
HIGH VOLTAGE HV
WATER RETICULATION
WATER MAIN W
WATER RISING MAIN W
SEWER
SEWER MAIN S
SEWER RISING MAIN S

DIAL BEFORE YOU DIG www.1100.com.au

LEGEND

TOPOGRAPHY
Road Sealed, Bridge
Road Unsealed, Track
Footpath, Drain, Culvert
Wall, Gate, Fence, Cattle Grid
Railway, Disused Railway
Aerodrome Tarmac, Landing Strip
Taxiway, Apron
Pipeline: Oil, Water, Undetermined Gas, Sewage
Building, Building-Shape unconfirmed
Shade Structure, Incomplete Building
Sewage Ponds, Tailings Pond
Oval, Arena, Swimming Pool
High Water Mark, Low Water Mark
Mine; Quarry, Surface Excavation
Contour; Index, Intermediate 75
Contour; Depression
Top of Bank, Bottom of Bank, Cliff
Watercourse, Perennial, Intermittent, Channel or Canal
WaterBodies; Perennial, Intermittent
WaterBodies; Reservoir, Water Hole
Swamp; Swamp Perennial, Swamp Intermittent
Flat; Mud Flat, Clay/Saltpan, STI
Pole; Power, General, Light
Tank; Water, Elevated, Non-Water, Silo
Manhole, Pylon, Communication Tower, Bore.

AVAILABLE FROM AND PRODUCED BY:

Northern Territory Government

NOTES:
POWER POLES, MANHOLES, SEPTIC TANKS, TOWERS/POSTS and other similar shaped objects are captured from Aerial Photography and LOCAL SURVEY CONTROL. Their ground location is expected to be within +/-0.3m of their mapped location.

DIAL BEFORE YOU DIG phone 1100 (freecall) or visit www.1100.com.au
For water, sewer, and power information and connection requirements for developments contact Power and Water Corporation, Land Development Unit Development on 1800 245 092, and visit http://www.powerwater.com.au/business

General enquiries, corrections, updates, errors and omissions:
Indigenous Community Land Use Planning, NT Dept of Lands and Planning
TEL: (08) 8999 1300, FAX: (08) 8999 7189, Email: planning@nt.gov.au

This product is a compilation of data holdings from (but not restricted to) NT Dept of Lands and Planning, NT Dept of Housing, Local Government and Regional Services, Power and Water Corporation and Aboriginal Areas Protection Authority. Whilst every effort has been made to ensure the accuracy of this map, errors and omissions may occur. No Warranty is given concerning the accuracy of the information herein. Users should refer to the originating bodies or departments regarding the accuracy and currency of the data.

Topographic Information:
Land Information Division
Dept of Lands and Planning
TEL: (08) 8995 5331, FAX: (08) 8995 5368
Email: landinfo.dlp@nt.gov.au

Aboriginal Areas Protection Authority:
The Registrar
Aboriginal Areas Protection Authority
TEL: (08) 8999 4332
Email: enquiries.aapa@nt.gov.au

Cadastral Information:
Office of the Surveyor-General
Dept of Lands and Planning
TEL: (08) 8995 5353, FAX: (08) 8995 5395
Email: landinfo.dlp@nt.gov.au

Planning Information:
Indigenous Community Land Use Planning
Dept of Lands and Planning
TEL: (08) 8999 1300, FAX: (08) 8999 7189
Email: planning@nt.gov.au

Power, Water or Sewer Information:
Remote Operations Planning Branch
Power and Water Corporation
TEL: (08) 8924 5094, FAX: (08) 8924 5390

Housing Infrastructure Information:
Infrastructure Delivery Branch
Dept of Housing, Local Government, and Regional Services
TEL: (08) 8995 5013, FAX: (08) 8995 5170
Email: tim.dilgins@nt.gov.au

SOURCE INFORMATION

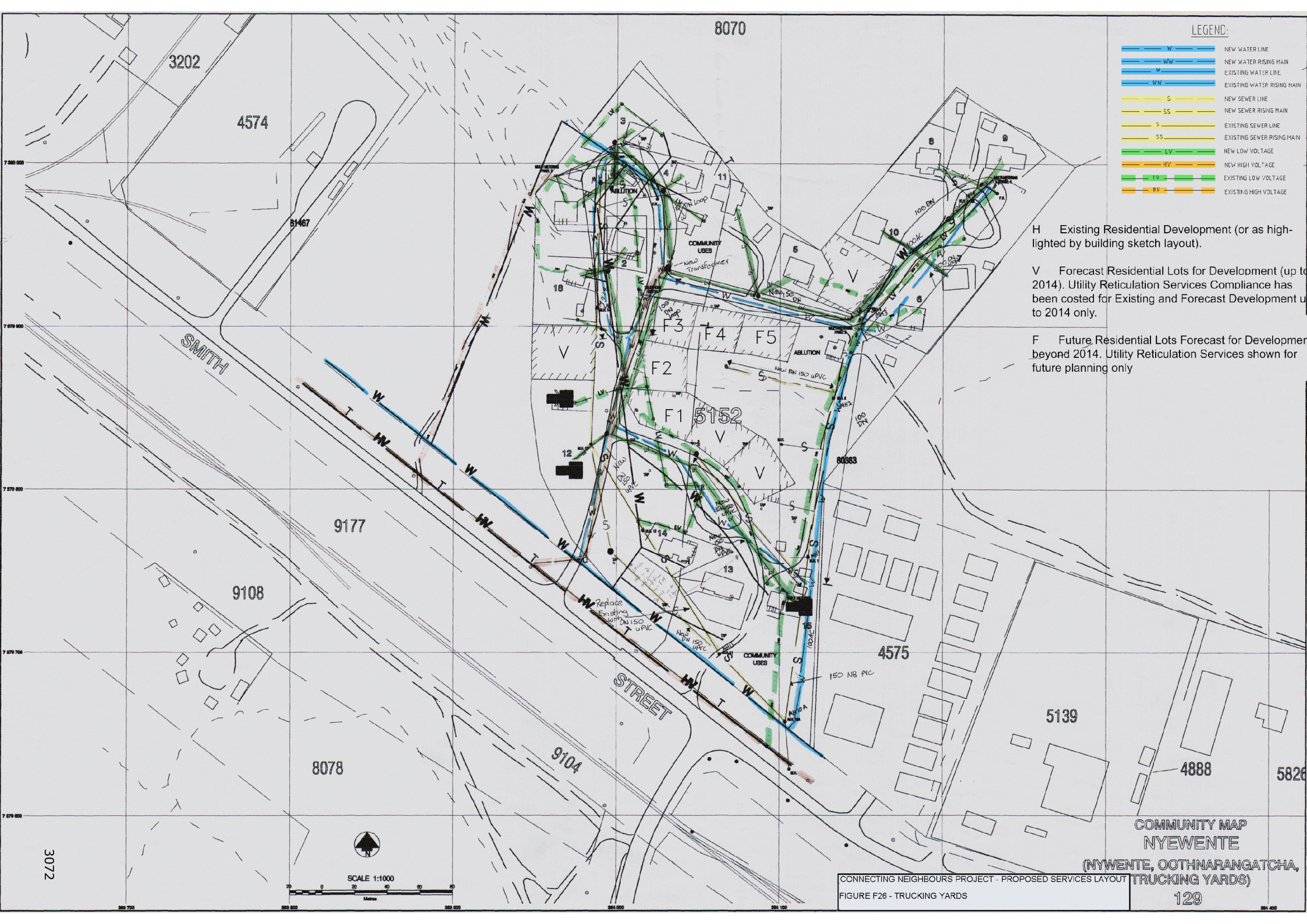
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HORIZONTAL DATUM :		SOURCE MAP SCALE :	2500
VERTICAL DATUM :		ZONE UTM :	53
PROJECTION :	Transverse Mercator	DATE GENERATED :	21 June 2012

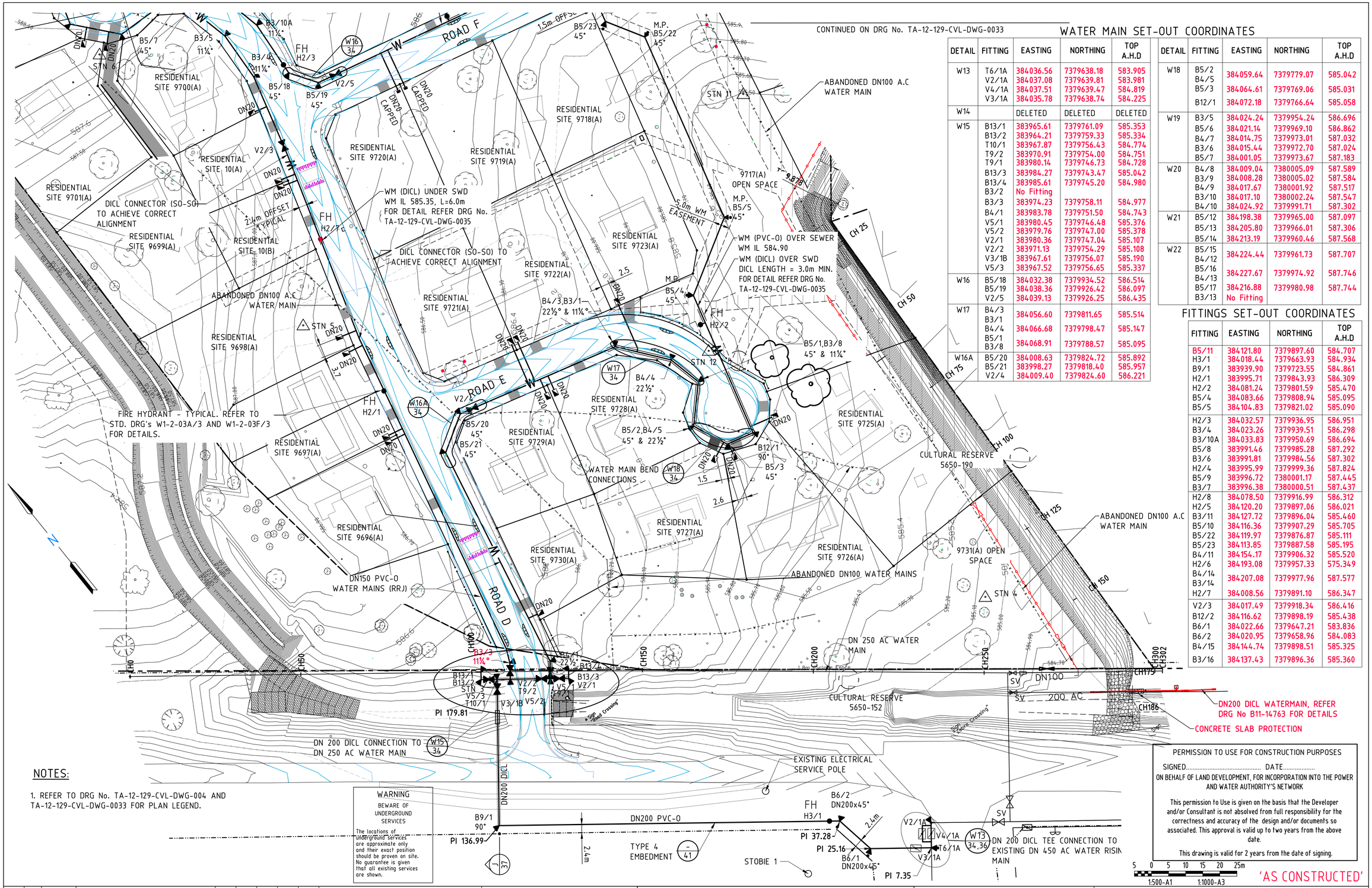
N
0 20 40 60 80 100
GDA

Locality Diagram

SERVICED LAND AVAILABILITY PROGRAM
SLAP Map
Nyewente (Alice Springs Town Camp)
Nywente
Alice Springs Town Council
Community ID: 129

3071


LEGEND:
NEW WATER LINE
NEW WATER RISING MAIN
EXISTING WATER LINE
EXISTING WATER RISING MAIN
NEW SEWER LINE
NEW SEWER RISING MAIN
EXISTING SEWER LINE
EXISTING SEWER RISING MAIN
NEW LOW VOLTAGE
NEW HIGH VOLTAGE
EXISTING LOW VOLTAGE
EXISTING HIGH VOLTAGE
H Existing Residential Development (or as high-lighted by building sketch layout).
V Forecast Residential Lots for Development (up to 2014). Utility Reticulation Services Compliance has been costed for Existing and Forecast Development up to 2014 only.
F Future Residential Lots Forecast for Development beyond 2014. Utility Reticulation Services shown for future planning only
8070
3202
4574
81467
SMITH
STREET
9177
9108
8078
9104
5152
80383
4575
5139
4888
5826
3072
COMMUNITY USES
ABLUTION
SCALE 1:1000
COMMUNITY MAP
NYEWENTE
(NYWENTE, OOTHNARANGATCHA, TRUCKING YARDS)
CONNECTING NEIGHBOURS PROJECT - PROPOSED SERVICES LAYOUT
FIGURE F26 - TRUCKING YARDS
129



CONTINUED ON DRG No. TA-12-129-CVL-DWG-0033

WATER MAIN SET-OUT COORDINATES

DETAIL	FITTING	EASTING	NORTHING	TOP A.H.D
W13	T6/1A	384036.56	7379638.18	583.905
	V2/1A	384037.08	7379639.81	583.981
	V4/1A	384037.51	7379639.47	584.819
	V3/1A	384035.78	7379638.74	584.225
W14		DELETED	DELETED	DELETED
W15	B13/1	383965.61	7379761.09	585.353
	B13/2	383964.21	7379759.33	585.334
	T10/1	383967.87	7379756.43	584.774
	T9/2	383970.91	7379754.00	584.751
	T9/1	383980.14	7379746.73	584.728
	B13/3	383984.27	7379743.47	585.042
	B13/4	383985.61	7379745.20	584.980
	B3/2	No Fitting		
	B3/3	383974.23	7379758.11	584.977
	B4/1	383983.78	7379751.50	584.743
	V5/1	383980.45	7379746.48	585.376
	V5/2	383979.76	7379747.00	585.378
	V2/1	383980.36	7379747.04	585.107
	V2/2	383971.13	7379754.29	585.108
	V3/1B	383967.61	7379756.07	585.190
	V5/3	383967.52	7379756.65	585.337
W16	B5/18	384032.38	7379934.52	586.514
	B5/19	384038.36	7379926.42	586.097
	V2/5	384039.13	7379926.25	586.435
W17	B4/3	384056.60	7379811.65	585.514
	B3/1			
	B4/4	384066.68	7379798.47	585.147
	B5/1			
	B3/8	384068.91	7379788.57	585.095
W16A	B5/20	384008.63	7379824.72	585.892
	B5/21	383998.27	7379818.40	585.957
	V2/4	384009.40	7379824.60	586.221
W18	B5/2	384059.64	7379779.07	585.042
	B4/5			
	B5/3	384064.61	7379769.06	585.031
	B12/1	384072.18	7379766.64	585.058
W19	B3/5	384024.24	7379954.24	586.696
	B5/6	384021.14	7379969.10	586.862
	B4/7	384014.75	7379973.01	587.032
	B3/6	384015.44	7379972.70	587.024
	B5/7	384001.05	7379973.67	587.183
W20	B4/8	384009.04	7380005.09	587.589
	B3/9	384008.28	7380005.02	587.584
	B4/9	384017.67	7380001.92	587.517
	B3/10	384017.10	7380002.24	587.547
	B4/10	384024.92	7379991.71	587.302
W21	B5/12	384198.38	7379965.00	587.097
	B5/13	384205.80	7379966.01	587.306
	B5/14	384213.19	7379960.46	587.568
W22	B5/15	384224.44	7379961.73	587.707
	B4/12			
	B5/16	384227.67	7379974.92	587.746
	B4/13			
	B5/17	384216.88	7379980.98	587.744
	B3/13	No Fitting		

FITTINGS SET-OUT COORDINATES

FITTING	EASTING	NORTHING	TOP A.H.D
B5/11	384121.80	7379897.60	584.707
H3/1	384018.44	7379663.93	584.934
B9/1	383939.90	7379723.55	584.861
H2/1	383995.71	7379843.93	586.309
H2/2	384081.24	7379801.59	585.470
B5/4	384083.66	7379808.94	585.095
B5/5	384104.83	7379821.02	585.090
H2/3	384032.57	7379936.95	586.951
B3/4	384023.26	7379939.51	586.298
B3/10A	384033.83	7379950.69	586.694
B5/8	383991.46	7379985.28	587.292
B3/6	383991.81	7379984.56	587.302
H2/4	383995.99	7379999.36	587.824
B5/9	383996.72	7380001.17	587.445
B3/7	383996.38	7380000.51	587.437
H2/8	384078.50	7379916.99	586.312
H2/5	384120.20	7379897.06	586.021
B3/11	384127.72	7379896.04	585.460
B5/10	384116.36	7379907.29	585.705
B5/22	384119.97	7379876.87	585.111
B5/23	384113.85	7379887.58	585.195
B4/11	384154.17	7379906.32	585.520
H2/6	384193.08	7379957.33	575.349
B4/14	384207.08	7379977.96	587.577
B3/14			
H2/7	384008.56	7379891.10	586.347
V2/3	384017.49	7379918.34	586.416
B12/2	384116.62	7379898.19	585.438
B6/1	384022.66	7379647.21	583.836
B6/2	384020.95	7379658.96	584.083
B4/15	384144.74	7379898.51	585.325
B3/16	384137.43	7379896.36	585.360

NOTES:

1. REFER TO DRG No. TA-12-129-CVL-DWG-004 AND TA-12-129-CVL-DWG-0033 FOR PLAN LEGEND.

WARNING
BEWARE OF UNDERGROUND SERVICES
The locations of underground services are approximate only and their exact position should be proven on site. No guarantee is given that all existing services are shown.

PERMISSION TO USE FOR CONSTRUCTION PURPOSES
SIGNED..... DATE.....
ON BEHALF OF LAND DEVELOPMENT, FOR INCORPORATION INTO THE POWER AND WATER AUTHORITY'S NETWORK
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This drawing is valid for 2 years from the date of signing.

5 0 5 10 15 20 25m
1:500-A1 1:1000-A3

'AS CONSTRUCTED'

Copyright © TERRITORY ALLIANCE

REV	DATE	REVISION DESCRIPTION	ORIG	CKD	ENG	QA	APPD
-	05-06-12	AS CONSTRUCTED INFORMATION	RP	RP	TP	TP	TR

SHEET: A1 SCALE: AS SHOWN

Northern Territory Government
Department of Planning and Infrastructure
territory housing

TERRITORY ALLIANCE
building together

Strategic Indigenous Housing and Infrastructure Program

ACONEX NO: TA-12-129-CVL-DWG-0032

DPI NO: B08-4290

ALICE SPRINGS PACKAGE 12 (TRUCKING YARDS)
PROPOSED SUBDIVISION OF LOT 5152 - SMITH STREET
ALICE SPRINGS, N.T.

WATER LAYOUT - SHEET 1

DRAWING NO: TA-12-129-CVL-DWG-0032

REV: -

WATER

1. WATER PIPES SHALL BE DUCTILE IRON CEMENT-LINED (DICL) WITH A MINIMUM FLANGE RATING OF PN16, OR PVC-O PN16 WITH DICL FITTINGS, UNLESS NOTED OTHERWISE. ALL DUCTILE IRON PIPES AND FITTINGS SHALL BE WRAPPED IN POLYETHYLENE SLEEVING ACCORDING TO DRAWING NO'S W1-2-17A & W1-2-17B.
2. WATER MAINS SHALL BE OFFSET FROM PROPERTY BOUNDARIES A DISTANCE OF 2.4M IN ROAD RESERVES AND 1.5M IN PRIVATE PROPERTY, EXCEPT WHERE SHOWN OTHERWISE ON THE DRAWINGS.
3. ALL BENDS, TEES AND END CAPS TO BE SUPPORTED BY THRUST BLOCKS. THE COATING ON THE FITTING SHALL BE FULLY PROTECTED BY A FELT OR GEOTEXTILE BARRIER WHEN THE THRUST BLOCK IS POURED AND THRUST BLOCKS MUST NOT OVERLAP THE JOINT.
4. WATERMAINS SHALL BE LAID OVER STORMWATER, SEWER, & NON POTABLE WATER PIPES WHERE THE ALIGNMENTS CROSS.
5. PIPE UNDER CARRIAGEWAYS OPEN DRAINS AND DRAINAGE STRUCTURES IS TO BE DICL AND FOR ROADS EXTEND 1.0M (MIN) BEYOND THE BACK OF THE KERB.
6. VALVE AND HYDRANT MARKER POSTS TO BE CLEARLY LABELLED WITH OFFSET DISTANCE FROM MARKER TO FITTING. MARKER POSTS IN ACCORDANCE WITH PWC PRODUCTS MANUAL SV.75X75X2.5 SHS GALVANISED POST, FH 100X50X2.0 RHS GALVANISED POST.
7. STAINLESS STEEL TRACE WIRE 1.6MM DIAMETER TO BE JOINTED WITH PURPOSE MADE LUGS AND TESTED FOR ELECTRICAL CONTINUITY. TEST TO BE WITNESSED BY THE CERTIFIER. THE WIRE IS TO BE BROUGHT TO THE SURFACE (LOOPED) AT ALL VALVES AND FIRE HYDRANTS. THE WIRE IS TO REMAIN CLEAR OF THE VALVE STEM AND KEY DURING OPERATION.
8. WATERMAINS INCLUDING ALL LOT SERVICES TO BE HYDROSTATICALLY TESTED TO 1000KPA, DISINFECTED, FLUSHED AND BACTERIOLOGICALY TESTED TO PWC REQUIREMENTS; SEE CUSTOMER HANDOUT NO.5.
9. FOR VACANT LOTS (LOTS 9718, 9719 AND 9720) THERE IS NO INTENTION TO BUILD IN THE NEAR FUTURE, FINISH THE WATER SERVICE WITH A STAINLESS STEEL BALL VALVE WHICH IS TO BE TURNED OFF, PLUGGED WITH A THREADED PLUG AND WRAPPED IN PLASTIC. THE VALVE IS TO BE LOCATED 300MM WITHIN THE LOT BOUNDARY. MARKER TAPE AND STAINLESS STEEL TRACE WIRE TO BE BROUGHT TO THE SURFACE DIRECTLY ABOVE THE VALVE. ACCURATE AS-CONSTRUCTED LOCATION LEVEL AND DEPTH DIMENSIONS FOR TERMINATED SERVICES AND BALL VALVES.
10. THE FOLLOWING CHANGES APPLY TO PWC STANDARD DRAWING NO W1-1-13. READITAP CONNECTORS FITTED WITH SS BALL VALVES FOR ALL CONNECTIONS OFF MAINS. FOR CONNECTIONS OFF EXISTING MAINS USE A DR BRASS FERULE COCK. FIT A SS BALL VALVE AT THE READITAP CONNECTOR AND FOR CROSS ROAD SERVICES ALSO 300MM INSIDE THE PROPERTY BOUNDARY IMMEDIATELY PRIOR TO THE RISER SECTION.
11. SERVICE UPSTAND PIPES SHALL BE PROTECTED BY BOLLARDS OR FENCING AND THE PIPE PLUGGED WITH A THREADED BRASS CAP UNTIL THE INSTALLATION OF THE METER.
12. RECONNECT ALL EXISTING ON LOT PLUMBING ONLY TO THE WATERMETER. SELF CERTIFYING PLUMBER TO CERTIFY THAT ALL CROSS BOUNDARY CONNECTIONS HAVE BEEN REMOVED AND THAT THE WATERMETER ONLY SUPPLIES WATER TO THE ONE LOT. THIS CERTIFICATION IS REQUIRED FOR EVERY LOT INDIVIDUALLY.
13. AS CONSTRUCTED DRAWINGS FOR WATER ARE TO SHOW POSITION (CO-ORDINATES TO MGA94 & LEVELS TO AHD) FOR ALL VALVES, FIREHYDRANTS, TEES, BENDS, LINE ENDS. SHOW SEPARATION DISTANCES/LEVELS FOR INTERSECTING SERVICES. SHOW ALL OTHER VALUES REQUIRED TO CERTIFY COMPLIANCE OF THE WORKS.
14. CERTIFICATION DOCUMENTATION MUST INCLUDE AS CONSTRUCTED DRAWINGS, HYDROSTATIC TEST RESULTS, DISINFECTION TEST RESULTS, MICROBIOLOGICAL TEST RESULTS, COMPACTION TEST RESULTS, TRACE WIRE CONTINUITY TEST RESULTS, BEDDING GRADING CURVES , CONCRETE TEST RESULTS, OTHER INSPECTION REPORTS AND PHOTOGRAPHS, SURVEY DATA FOR LOT CONNECTIONS AS WELL AS THE OVERALL CERTIFICATION ITSELF.
15. ALL MILD STEEL (MSCL) PIPES AND CONNECTORS SHALL COMPLY AS PER P.W.C. PRODUCT AND MATERIAL INFORMATION AND GUIDANCE FOR WATER SUPPLY CODE OF AUSTRALIA (WSA 03-2002) ALL MSCL PRODUCTS TO MATCH O.D. OF EXISTING A.C. PIPES
16. ALL WATERMAIN PIPES UNDERNEATH A STORMWATER DRAINAGE PIPES SHALL BE D.I.C.L. PIPES.
17. ALL SERVICE CONNECTION DN20 WILL BE BELOW GROUND CONNECTIONS AS PER P.W.C. STD DRG.
18. ALL EXISTING METERS AND RE-USABLE COMPONENTS OF EXISTING METER ASSEMBLIES THAT NEEDS TO BE REMOVED SHALL BE RETURNED TO P.W.C.

LEGEND

- M.P. W — WATER MAIN AND THRUST BLOCK WITH MARKER POST
- DICL WATER MAIN UNDER ROADWAY PAVEMENT
- F.H. — HYDRANT B.S.750 (TYPE 2) REFER STD. DRG.'s W1-2-03A/3 AND W1-2-03F/3
- S.V. — SLUICE VALVE WITH VALVE BOX
- BUTTERFLY VALVE WITH VALVE BOX
- DN20 — SINGLE DN 32 PE SITE SERVICE CONNECTION WITH DN 20 METER COCK (REFER TO STD. DRG. W1-1-05/4)
- DN50 — SINGLE SITE SERVICE CONNECTION WITH DN 50 METER COCK (REFER TO STD. DRG. W1-1-27)
- FH W — EXISTING WATER MAIN AND FIRE HYDRANT
- EXISTING STOP VALVE AND VALVE BOX
- EXISTING WATER HOUSE CONNECTION
- - — W — — X - EXISTING WATER MAIN FOR INFORMATION REFER TO NOTE 18 ON DRG No. TA-12-129-CVL-DWG-0004
- STN 2 — CONTROL TRAVERSE STATION
- DETAIL 4/9 — DETAIL No. / SHEET CROSS-REFERENCE No.

PVC-O	ORIENTED POLYVINYLCHLORIDE
PE	POLYETHYLENE
DICL	DUCTILE IRON CEMENT LINED
MSCL	MILD STEEL CEMENT LINED
DN	PIPE DIAMETER NOMINAL SIZE
RRJ	RUBBER RING JOINT
SOC	SOCKET END
SP	SPIGOT END
FL	FLANGE END
CJ	COLLAR JOINT

B5/1 — FITTING TYPE / FITTING No.

WARNING

BEWARE OF UNDERGROUND SERVICES

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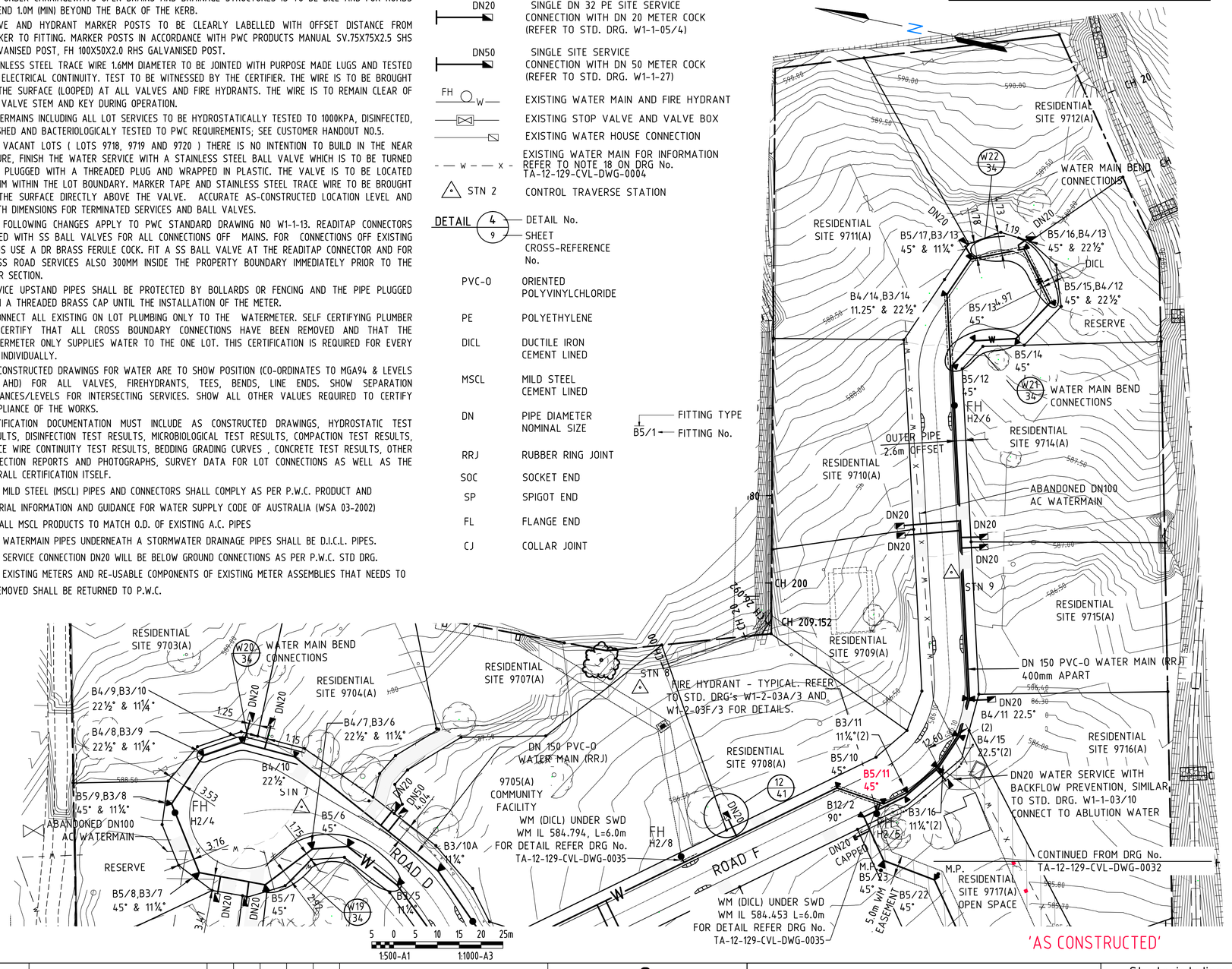
PERMISSION TO USE FOR CONSTRUCTION PURPOSES

SIGNED..... DATE.....

ON BEHALF OF LAND DEVELOPMENT, FOR INCORPORATION INTO THE POWER AND WATER AUTHORITY'S NETWORK

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This drawing is valid for 2 years from the date of signing.



POINT LEGEND:

M1	EXISTING 250NB AC WATER MAIN
M6	DN 150 PVC-O WATER MAIN (RRJ)
M7	DN 150 DICL CLASS PN35 WATER MAIN (RRJ)
M11	DN 250 DICL CLASS PN35 WATER MAIN (FL - FL)
M12	DN 250 DICL CLASS PN35 WATER MAIN (RRJ)
M13	DN 200 PVC-O WATER MAIN (RRJ)
M14	DN 250 PVC-O WATER MAIN (RRJ)
T4	**DELETED**
T6	DN 450 x 250 MSCL TEE (FL-FL-FL) WITH THRUST BLOCK REFER TO DETAIL W13 ON DRG No. TA-12-129-CVL-DWG-0035 FOR TEE DETAILS.
T7	**DELETED**
T9	DN 250x250x150 DICL TEE (FL-FL-FL) WITH THRUST BLOCK
T10	DN 250x250x200 DICL TEE (FL-FL-FL) WITH THRUST BLOCK
PF2	**DELETED**
PF4	DN450 MSCL BRIDGING PIECE WITH ANCHOR BLOCK AND INTEGRALLY CAST PUDDLE FLANGE
PF5	**DELETED**
V2	DN 150 PN16 RESILIENT SEATED GATE VALVE (FL-FL) IN VALVE BOX REFER TO PWC STD. DRG's W1-2-03D/1 AND W1-2-03J/2.
V3	DN 200 PN16 RESILIENT SEATED GATE VALVE (FL-FL) IN VALVE BOX
V4	DN 450 PN16 RESILIENT SEATED GATE VALVE (FL-FL) IN VALVE BOX, AVK SERIES 55/30 WITH BYPASS
V5	DN 250 PN16 RESILIENT SEATED GATE VALVE (FL-FL) IN VALVE BOX
R3	DN 250x200 DICL CONCENTRIC TAPER (FL-FL)
R4	**DELETED**
R5	**DELETED**
C1	**DELETED**
C3	DN 150 DICL CONNECTOR (SOC-SOC)
C4	**DELETED**
S1	DN 250 DICL SHORT PIPE (FL-SP) - 1.4m LENGTH
S3	DN 150 DICL SHORT PIPE (FL-SP) - 0.5m MIN. LENGTH
S4	DN 150 DICL SHORT PIPE (FL-FL) - 0.5m MIN. LENGTH
S7	DN 150 DICL SHORT PIPE (SP-SP) - 0.5m MIN. LENGTH
S8	DN 450 MSCL SHORT PIPE (FL-FL) - 0.8m MIN. LENGTH
S9	DN 450 MSCL SHORT PIPE (FL-SP) - 2270 APPROX. LENGTH
S10	**DELETED**
S11	**DELETED**
S12	DN 250 MSCL SHORT PIPE (FL-SP) - 0.6m MIN. LENGTH
S14	DN 200 DICL SHORT PIPE (FL-SP) - 0.6m MIN. LENGTH
MC1	**DELETED**
MC5	DN 150 GIBAULT UNRESTRAINED MECHANICAL COUPLING
MC6	DN 200 'TYCO' VARIGIB MULTI-PURPOSE UNRESTRAINED MECHANICAL COUPLING
MC7	DN 450 GIBAULT UNRESTRAINED COUPLING
MC8	DN 250 GIBAULT UNRESTRAINED COUPLING
MC9	DN 250 'TYCO' VARIGIB MULTI-PURPOSE UNRESTRAINED MECHANICAL COUPLING
B3	DN 150 DICL 11 ¼° HORIZONTAL BEND AND THRUST BLOCK (SOC-SOC)
B4	DN 150 DICL 22 ½° HORIZONTAL BEND AND THRUST BLOCK (SOC-SOC)
B5	DN 150 DICL 45° HORIZONTAL BEND AND THRUST BLOCK (SOC-SOC)
B6	DN 200 DICL 45° HORIZONTAL BEND AND THRUST BLOCK (SOC-SOC)
B9	DN 200 DICL 90° HORIZONTAL BEND AND THRUST BLOCK (FL-FL)
B10	DN 250 DICL 45° HORIZONTAL BEND AND THRUST BLOCK (FL-FL)
B11	DN 150 DICL 45° VERTICAL BEND AND ANCHOR BLOCK (FL-FL)
B12	DN 150 DICL 90° HORIZONTAL BEND AND THRUST BLOCK (SOC-SOC)
B13	DN 250 DICL 90° HORIZONTAL BEND AND THRUST BLOCK (FL-FL)
H2	B.S.750 HYDRANT WITH DN 150x80 HYDRANT TEE (SOC-SP-FL) - DN 80 DICL RISER LENGTH (FL-FL). REFER TO STD. DRG's W1-2-03A/3 AND W1-2-03F/3 FOR DETAILS.
H3	B.S.750 HYDRANT WITH DN 200x80 HYDRANT TEE (SOC-SP-FL) - DN 80 DICL RISER LENGTH (FL-FL). REFER TO STD. DRG's W1-2-03A/3 AND W1-2-03F/3 FOR DETAILS.

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REV	DATE	REVISION DESCRIPTION	ORIG	CKD	ENG	QA	APPD
-	18-6-12	AS CONSTRUCTED INFORMATION	CT	GM	TP	TP	TR

SHEET: A1 SCALE: AS SHOWN

Northern Territory Government
Department of Planning and Infrastructure
territory housing

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Strategic Indigenous Housing and Infrastructure Program

ACONEX NO: TA-12-129-CVL-DWG-0033

DPI NO: B08-4291

ALICE SPRINGS PACKAGE 12 (TRUCKING YARDS)
PROPOSED SUBDIVISION OF LOT 5152 - SMITH STREET
ALICE SPRINGS, N.T.

WATER LAYOUT - SHEET 2

DRAWING NO: TA-12-129-CVL-DWG-0033

REV: -

TERMINAL MAINTENANCE SHAFT - TYPICAL. REFER TO STD. DRG W2-1-06 FOR DETAILS.

CONTINUED ON DRG No. TA-12-129-CVL-DWG-0039

M.H. 1/9 | M.H. 1/8 | M.H. 1/7 | M.H. 1/6 | M.H. 1/5 | M.H. 1/4 | M.H. 1/3 | M.H. 1/2 | M.H. 1/1 | M.H. 5/2 | M.H. 5/1 | M.H. 7/1

T.M.S. 1 | T.M.S. 3 | T.M.S. 4 | T.M.S. 5 | T.M.S.4/1

M.S. 1

STN 1 | STN 2 | STN 3 | STN 4 | STN 5 | STN 6 | STN 7 | STN 11 | STN 12

LINE 1 | LINE 3 | LINE 4 | LINE 5 | LINE 7

ROAD D | ROAD E | ROAD F

585.286
150 - PVC DWV SN8
16.74 - 12.6
585.081

584.907
150 - PVC DWV SN8
42.35 - 10.0
584.483

584.397
150 - PVC DWV SN8
46.61 - 6.68
584.089

584.281
150 - PVC DWV SN8
19.63 - 10.0
584.094

585.056
150 - PVC DWV SN8
18.60 - 9.00
584.890

584.854
150 - PVC DWV SN8
52.43 - 810
584.431

584.156
150 - PVC DWV SN8
47.23 - 10.0
583.678

583.734
150 - PVC DWV SN8
13.58 - 6.11
583.647

584.058
150 - PVC DWV SN8
45.73 - 6.61
583.762

584.242
150 - PVC DWV SN8
37.48 - 10.0
583.867

584.074
150 - PVC DWV SN8
46.16 - 7.80
583.715

583.682
150 - PVC DWV SN8
60.62 - 7.80
583.201

583.619
150 - PVC DWV SN8
44.90 - 5.55
583.369

583.339
150 - PVC DWV SN8
22.84 - 5.50
583.186

583.840
150 - PVC DWV SN8
45.96 - 10.0
583.370

583.162
225 - PVC DWV SN8
74.99 - 570
582.702

582.672
225 - PVC DWV SN8
54.19 - 6.30
582.340

RESIDENTIAL SITE 9700(A) (4A-46.89-0.99)
RESIDENTIAL SITE 9701(A) (4-36.52-1.78)
RESIDENTIAL SITE 10(A) (4A-23.75-0.66)
RESIDENTIAL SITE 10(B) (2-18.48-1.20)
RESIDENTIAL SITE 9699(A) (2-41.81-1.17)
RESIDENTIAL SITE 9698(A) (4A-19.02-0.86)
RESIDENTIAL SITE 9697(A) (4A-9.87-1.08)
RESIDENTIAL SITE 9696(A) (4A-9.87-1.17)
RESIDENTIAL SITE 9720(A) (1-43.62-1.74)
RESIDENTIAL SITE 9719(A) (1-44.85-1.31)
RESIDENTIAL SITE 9722(A) (2-2.92-1.18)
RESIDENTIAL SITE 9721(A) (2-17.28-1.19)
RESIDENTIAL SITE 9723(A) (1-3.78-1.96)
RESIDENTIAL SITE 9728(A) (1-2.06-1.56)
RESIDENTIAL SITE 9729(A) (1-34.81-1.15)
RESIDENTIAL SITE 9730(A) (1-36.02-1.27)
RESIDENTIAL SITE 9727(A) (1-5.08-1.77)
RESIDENTIAL SITE 9726(A) (4-34.35-1.61)
RESIDENTIAL SITE 9725(A) (1-4.47-1.40)
RESIDENTIAL SITE 9716(A) (1-5.14-1.56)
RESIDENTIAL SITE 9718(A) (1-45.83-1.70)

9705(A) COMMUNITY FACILITY (1-9.95-1.49)
9717(A) OPEN SPACE
9731(A) OPEN SPACE
ABLUTION BLOCK (2-32.05-0.86)
CONNECTION FOR ABLUTION BLOCK

RESIDENTIAL SITE SEWER SERVICE CONNECTION - TYPICAL (12/41)

DN 150 PVC DWV SN8 GRAVITY SEWER MAIN

2.05m OFFSET FROM LOT BOUNDARY
2.00m OFFSET FROM LOT BOUNDARY
3.00m OFFSET FROM LOT BOUNDARY
1.50m OFFSET FROM LOT BOUNDARY
2.25m OFFSET FROM LOT BOUNDARY
1.45 FROM TRUNK OF TREE
13.0 OFFSET (APPROX.) FROM BOUNDARY

3m WIDE SEWER EASEMENT

ENCASED DICL LENGTH 6m

600x600x50 SACRED TREE MARKERS

CULTURAL RESERVE 5650-191
CULTURAL RESERVE 5650-190
CULTURAL RESERVE 5650-152

Rainbow Serpent Crossing

EXIST. M.H. 10A
EXIST. M.H. 10
EXIST. 375 DIA.

CIRCULAR LID TO BE REPLACED WITH RECTANGULAR LID.

93/40 MAINTENANCE HOLE (M.H. 1/2). CONNECT DN 150 PVC DWV SN8 GRAVITY SEWER MAINS - LINE 1 AND LINE 5.

S2/40 MAINTENANCE HOLE (M.H. 1/1). INSTALL RENO MATTRESS WITH GEOFABRIC SCOUR PROTECTION DRAIN SIDE OF MANHOLE.

4575

WARNING
BEWARE OF UNDERGROUND SERVICES
The locations of underground services are approximate only and their exact position should be proven on site. No guarantee is given that all existing services are shown.

PERMISSION TO USE FOR CONSTRUCTION PURPOSES
SIGNED..... DATE.....
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This drawing is valid for 2 years from the date of signing.

NOTES:
- AREA NOT SERVICED BY SEWER
- FUTURE LOT UNSERVICED (SEWER & WATER) (NOT USED)
- FUTURE LOT UNSERVICED SEWER (NOT USED)
- FUTURE LOT UNSERVICED WATER (NOT USED)

NOTES:
1. REFER TO DRG No.s TA-12-129-CVL-DWG-0004 AND 0039 FOR SEWER NOTES.
2. REFER TO DRG No. TA-12-129-CVL-DWG-0039 FOR PROJECT LEGEND.
3. REFER TO DRG No. TA-12-129-CVL-DWG-0039 FOR SEWER SET-OUT COORDINATES TABLE.

SMITH STREET
Centreline Bitumen

'AS CONSTRUCTED'

5 0 5 10 15 20 25m
1:500-A1 1:1000-A3

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REV	DATE	REVISION DESCRIPTION	ORIG	CKD	ENG	QA	APPD
-	23-5-12	AS CONSTRUCTED SEWER LINE INFORMATION	GM	JC	TP	TP	TR

SHEET: A1 | SCALE: AS SHOWN

Northern Territory Government
Department of Planning and Infrastructure
territory housing

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Strategic Indigenous Housing and Infrastructure Program

ACONEX NO: TA-12-129-CVL-DWG-0038

DPI NO: B08-4296

ALICE SPRINGS PACKAGE 12 (TRUCKING YARDS)
PROPOSED SUBDIVISION OF LOT 5152 - SMITH STREET
ALICE SPRINGS, N.T.

SEWER LAYOUT - SHEET 1

DRAWING NO: TA-12-129-CVL-DWG-0038

REV: -

3075

SEWER

1. ALL GRAVITY SEWER PIPES SHALL BE PVC CLASS SN8 WITH STYRENE-BUTADIENE RUBBER RING JOINTS (SBR) UNLESS OTHERWISE NOTED.
2. SEWER CENTRELINE SHALL BE OFFSET FROM PROPERTY BOUNDARIES 1.6M IN ROAD RESERVES AND 1.5M IN PRIVATE PROPERTY EXCEPT WHERE OTHERWISE NOTED.
3. MAINTENANCE HOLE/SHAFT COVERS AND SLABS SHALL FINISH AT: FINISHED SURFACE LEVEL (FSL) IN ROAD RESERVES AND FOOTPATHS AND MATCH CROSS FALL TO A MAXIMUM OF 2 DEGREES 42MM ACROSS THE DIAMETER OF A 1200MM MH COVER. 150MM ABOVE SURFACE LEVEL IN PRIVATE PROPERTY AND OPEN SPACE. (BACKFILL TO BE GRADED AT 1:10 FROM THE MH TO THE SURROUNDING FSL).
4. ENSURE THERE ARE NO LOW POINTS CREATED AROUND MANHOLES BY GRADING OF SURROUNDING FINISHED SURFACE LEVEL.
5. ADJUST ALL EXISTING MANHOLE LID LEVELS TO COMPLY WITH REQUIREMENTS ABOVE.
6. FOR EXISTING MANHOLES REPLACE ALL CRACKED, DAMAGED, AND CIRCULAR LIDS AND TAPERS WITH RECTANGULAR LIDS.
7. MINIMUM CONCRETE STRENGTH FOR ALL SEWER MAINTENANCE HOLES AND STRUCTURES SHALL BE N50.
8. ALL LOT SERVICE CONNECTIONS AND EXISTING MUST BE DN 150. A INSPECTION OPENING IN ACCORDANCE WITH THE STANDARD DETAIL IS TO BE PROVIDED FOR EVERY LOT WHETHER THE SERVICE IS OR EXISTING. ENSURE LEVEL AND LOCATION AT THE IO ARE PICKED UP BY THE REGISTERED SURVEYOR FOR EVERY LOT SERVICE.
9. EXISTING LOT SANITARY DRAINS ARE ONLY TO BE CONNECTED UPSTREAM OF THE IO.
10. INSCRIBE THE COVER OF THE MAINTENANCE HOLE/SHAFT COVER WITH THE IDENTIFYING NUMBER AS SHOWN ON THE DRAWINGS.
11. USE HEAVY DUTY INSPECTION OPENING OPTION FOR DRAWING NO'S W2-1-05,W2-1-06 & W2-2-07
12. NOTE DELETED AS PER PWC AGGREMENT.
13. SELF CERTIFYING PLUMBER TO CERTIFY THAT ALL LOT SANITARY DRAINAGE RUNS THROUGH THE SEWER CONNECTION IO, THAT THERE ARE NO CROSS BOUNDARY CONNECTIONS. THE CERTIFIER TOGETHER WITH THE SURVEYOR AND PLUMBER ARE TO CERTIFY THAT THE SEWER SERVICE DOES NOT RUN THROUGH ADJACENT LOTS EXCEPT WHERE THE APPROVED DESIGN SPECIFICALLY SHOWS THIS.
14. AS CONSTRUCTED' DRAWINGS FOR SEWER ARE TO SHOW POSITION (CO-ORDINATES TO MGA 94 LEVELS TO AHD) FOR ALL ACCESS CHAMBERS, ACCESS SHAFTS, INSPECTION OPENINGS, SERVICE JUNCTIONS, SEPARATION DISTANCES AND LEVELS FOR INTERSECTING SERVICES. SHOW ALL OTHER VALUES REQUIRED TO CERTIFY COMPLIANCE OF THE WORKS. SHOW FINISHED SURFACE LEVELS AT LOT CORNERS TO VERIFY SEWER LOT COVERAGE.
15. CERTIFICATION DOCUMENTATION MUST INCLUDE AS CONSTRUCTED DRAWINGS, HYDROSTATIC TEST RESULTS, PROVER TEST RESULTS, CCTV REPORTS, COMPACTION TEST RESULTS, BEDDING GRADING CURVES, CONCRETE REPORTS & TEST RESULTS, OTHER INSPECTION REPORTS AND PHOTOGRAPHS, SURVEY DATA FOR LOT CONNECTIONS AS WELL AS THE OVERALL CERTIFICATION ITSELF. CHECKS CONFIRMING COMPLIANCE OF SEWER GRADIENTS WITH DESIGN, CONFIRMING LOT SERVICE LEVELS WITH DESIGN AND THAT THE LOT CONNECTION LEVEL WITH LOT FINISHED SURFACE LEVELS COVER, LOT COVERAGE, AND FIXTURE CONTROL.
16. CONNECTIONS TO EXISTING SEWER MAINS WILL ONLY BE CARRIED OUT WHEN ALL WORKS AND TESTING ARE COMPLETE IN ACCORDANCE WITH THE APPROVED DESIGN DRAWING AND HAVE PASSED THE FINAL HANDOVER INSPECTION.
17. DICL PIPE BETWEEN M.S. 2 AND MH 5/3 SHOULD BE LINED WITH CEMENT SUITABLE TO SEWER. PIPE SHALL BE WRAPPED IN POLY SLEEVE.

LEGEND

- SEWER RETICULATION MAIN & HOUSE JUNCTION
- SANITARY DRAINAGE CONNECTION
- M.H. — SEWER MAINTENANCE MANHOLE
- MH — S — EXISTING SEWER MAIN AND MAINTENANCE HOLE
- SR — EXISTING SEWER RISING MAIN
- S — EXISTING SEWER MAIN TO BE ABANDONED
- STN 1 — SURVEY CONTROL STATION
- STN 3 — SURVEY TRAVERSE STATION
- DN — PIPE DIAMETER NOMINAL SIZE
- uPVC — UNPLASTICISED POLYVINYL CHLORIDE

NOTES:

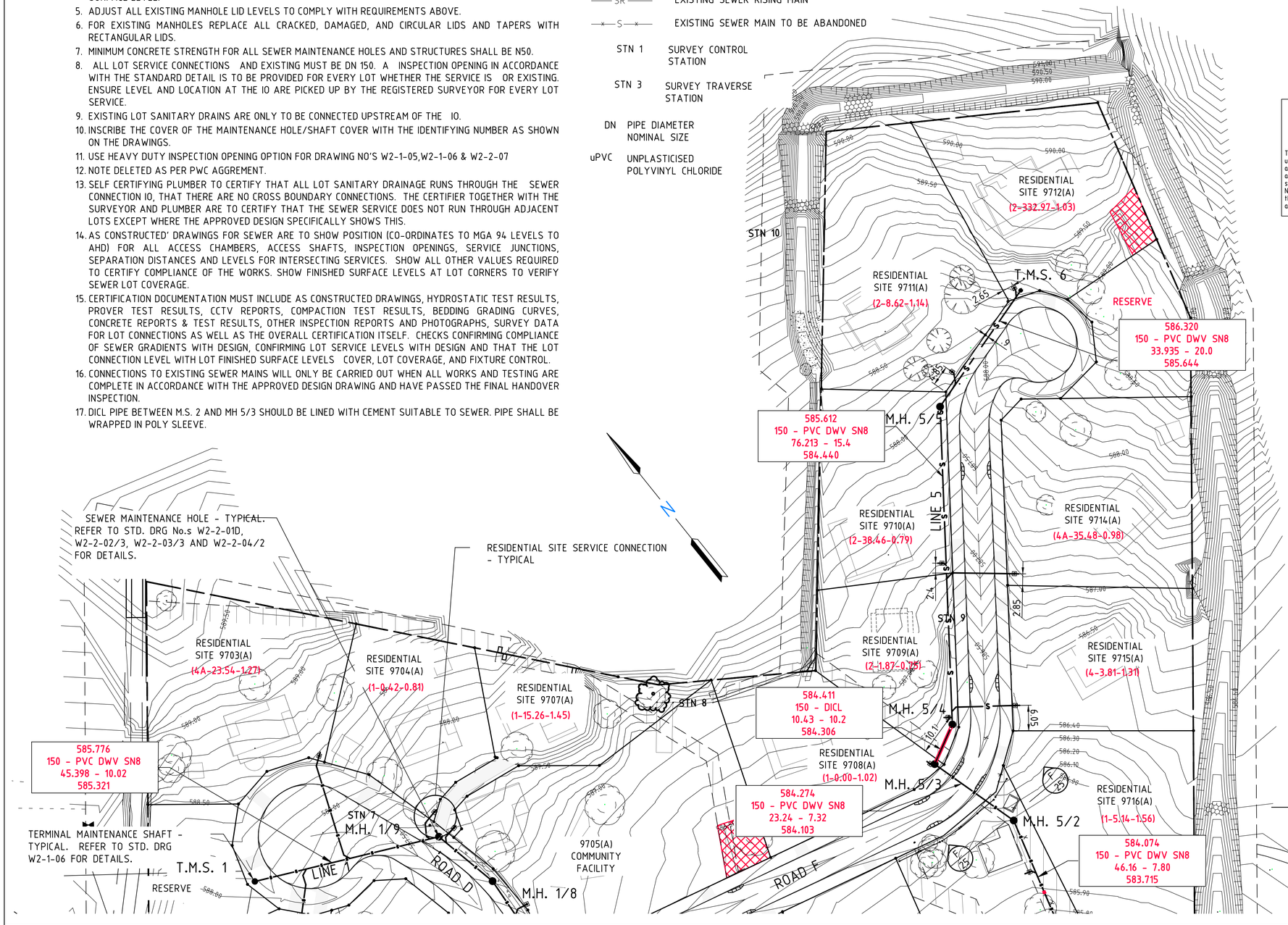
- AREA NOT SERVICED BY SEWER
- FUTURE LOT UNSERVICED (SEWER & WATER) (NOT USED)
- FUTURE LOT UNSERVICED SEWER (NOT USED)
- FUTURE LOT UNSERVICED WATER (NOT USED)

(2-50-1.20) SERVICE CONNECTION DETAILS
- DEPTH TO LOT SERVICE CONNECTION AT I.O.
- DISTANCE FROM D/S M.H.
- TYPE

584.19
150 - PVC O - SN8
71.74 - 6.00
583.77
- UPSTREAM INVERT
- PIPE SIZE - MATERIAL
- DISTANCE - GRADE (mm/m)
- DOWNSTREAM INVERT

WARNING
BEWARE OF UNDERGROUND SERVICES
The locations of underground services are approximate only and their exact position should be proven on site. No guarantee is given that all existing services are shown.

PERMISSION TO USE FOR CONSTRUCTION PURPOSES
SIGNED..... DATE.....
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SEWER MAINTENANCE HOLE (MH) AS BUILT TABLE

MAINTENANCE HOLE	EASTING	NORTHING	I.L. OUT	I.L. IN	RIM TOP LEVEL
T.M.S. 1	383990.68	7379989.04	585.776		588.086
1/9	384031.79	7379969.60	585.286	585.321	587.507
1/8	384035.12	7379953.33	585.056	585.081	587.385
MS 1	384033.61	7379934.83	584.854	584.890	587.038
T.M.S. 4	383976.58	7379893.54	584.907		587.273
T.M.S. 3	384000.07	7379820.77	584.281		586.488
1/7	384018.14	7379884.63	584.397	584.483	586.699
				584.431	
1/6	384005.22	7379839.81	584.058	584.089	586.540
				584.094	
T.M.S. 5	384021.12	7379781.20	584.242		586.415
1/5	384049.36	7379827.75	583.734	583.762	586.23
T.M.S. 4/1	384072.91	7379865.68	584.156		586.26
7/1	384057.67	7379772.74	583.84	583.867	586.164
1/4	384060.60	7379820.19	583.619	583.678	585.99
				583.647	
1/3	384097.87	7379795.07	583.339	583.369	585.830
				583.370	
T.M.S. 6	384222.19	7379984.10	586.320		588.99
5/5	384189.90	7379974.58	585.612	585.644	588.120
5/4	384144.52	7379913.52	584.411	584.440	586.685
5/3	384135.22	7379908.69	584.274	584.306	586.595
5/2	384141.49	7379886.34	584.074	584.103	586.172
5/1	384129.01	7379841.91	583.682	583.715	585.697
1/2	384116.92	7379782.48	583.162	583.186	585.112
				583.201	
1/1	384111.65	7379707.72	582.672	582.702	585.216
EX MH 10A	384104.75	7379653.949	582.310	582.340	584.639

CONTINUED FROM DRG No. TA-12-129-CVL-DWG-0038

'AS CONSTRUCTED'
5 0 5 10 15 20 25m
1:500-A1 1:1000-A3

REV	DATE	REVISION DESCRIPTION	ORIG	CKD	ENG	QA	APPD
-	23-5-12	AS CONSTRUCTED SEWER LINE INFORMATION	JC	GM	TP	TP	TR

SHEET: A1 SCALE: AS SHOWN

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Northern Territory Government
Department of Planning and Infrastructure
territory housing

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Strategic Indigenous Housing and Infrastructure Program

ACONEX NO: TA-12-129-CVL-DWG-0039
DPI NO: B08-4297

ALICE SPRINGS PACKAGE 12 (TRUCKING YARDS)
PROPOSED SUBDIVISION OF LOT 5152 - SMITH STREET
ALICE SPRINGS, N.T.

SEWER LAYOUT - SHEET 2

DRAWING NO: TA-12-129-CVL-DWG-0039 REV: -

SEWER MAINTENANCE HOLE No.	EX MH 10	EX MH 10A	1/1	1/2	1/3	1/4	1/5	1/6	1/7
CHAMBER SHAPE COVER & DUTY			CRB	CRB	CRB	CRD	CRD	CRD	CRD
CHAMBER DROP TYPE	-	-	1	1	1	1	1	1	1

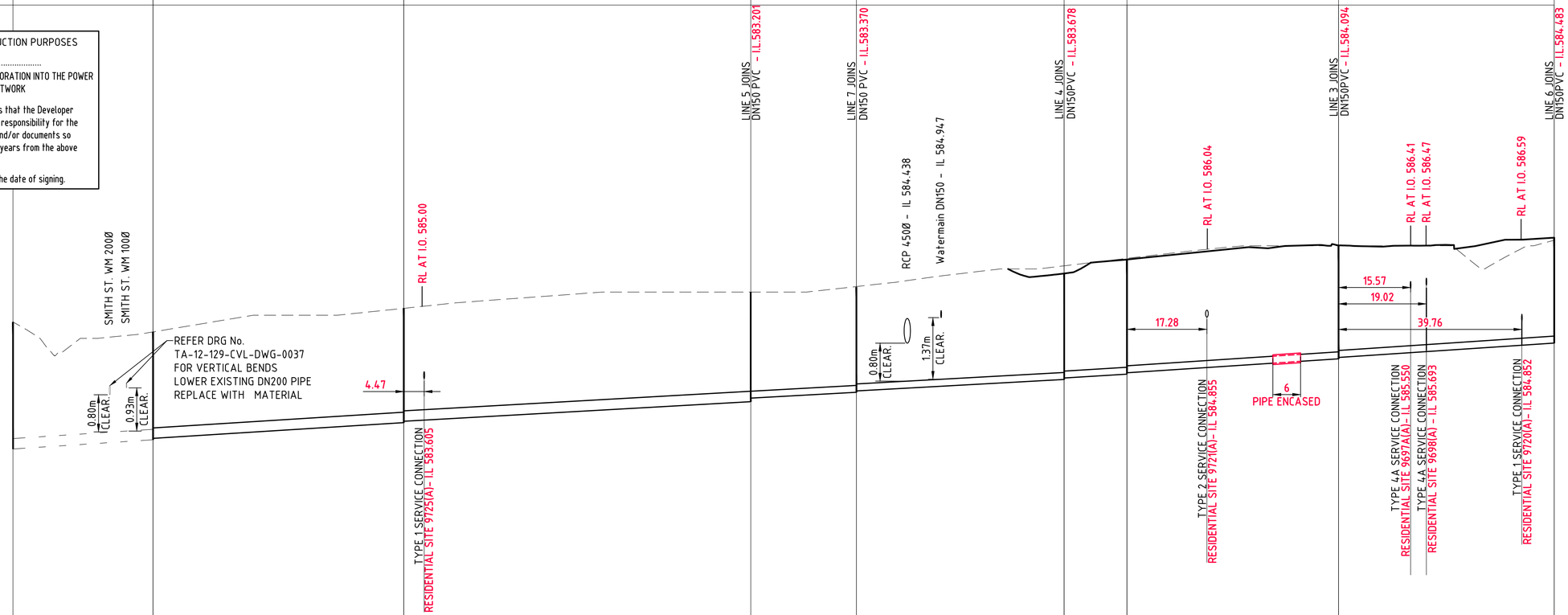
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LEGEND:

T.M.S. - TERMINAL MAINTENANCE SHAFT
(REFER TO STD. DRG W2-1-06)
A LOCKABLE LID.

M.S. - MAINTENANCE SHAFT
(REFER TO STD. DRG W2-1-09)
A LOCKABLE LID.

B - CAST IRON CLASS 'B' TO A.S.3902
D - CAST IRON CLASS 'D' TO A.S.3902

CRD
- MAINTENANCE HOLE COVER DUTY (REFER TO W2-2-01D)
- MAINTENANCE HOLE COVER SHAPE C = CIRCULAR R = RECTANGULAR
- MAINTENANCE HOLE SHAPE C = CIRCULAR R = RECTANGULAR

PIPE DETAILS SLOPE/GRADE	225Ø PVC 6.61	225Ø PVC 6.13	225Ø PVC 6.13	150Ø PVC 8.93	150Ø PVC 5.56	150Ø PVC 6.41	150Ø PVC 6.47	150Ø PVC 6.61
DATUM RL 576.7								
RIM TOP LEVEL	584.852 / 584.639	585.216	585.112	585.830	585.990	586.230	586.540	586.699
DEPTH TO INVERT	2.742 / 2.329 / 2.299	2.544 / 2.514	1.950 / 1.926	2.491 / 2.461	2.371 / 2.343	2.496 / 2.468	2.482	2.451 / 2.302
INVERT LEVEL	582.110 / 582.310 / 582.340	582.672 / 582.702	583.162 / 583.186	583.339 / 583.369	583.619 / 583.647	583.734 / 583.762	584.058	584.089 / 584.397
FINISHED SURFACE	584.852 / 584.639	585.066	584.962	585.680	585.901	586.080	586.506	586.676
CHAINAGE	0.000 / 30.270	84.464 / 54.194	159.451 / 74.986	182.289 / 22.838	227.190 / 44.901	270.765 / 13.575	286.496 / 45.731	333.108 / 46.613

LINE 1

'AS CONSTRUCTED'

HORIZONTAL 10m 10m 20m 30m 40m 50m
VERTICAL 1m 0 1m 2m 3m 4m 5m

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REV	DATE	REVISION DESCRIPTION	ORIG	CKD	ENG	QA	APPD
-	23-5-12	AS CONSTRUCTED SEWER LINE INFORMATION	GM	JC	TP	TP	TR

SHEET: A1 SCALE: AS SHOWN

Northern Territory Government
Department of Planning and Infrastructure
territory housing

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Strategic Indigenous Housing and Infrastructure Program

ACONEX NO: TA-12-129-CVL-DWG-0042

DPI NO: B08-4300

ALICE SPRINGS PACKAGE 12 (TRUCKING YARDS)
PROPOSED SUBDIVISION OF LOT 5152 - SMITH STREET
ALICE SPRINGS, N.T.

SEWER LONGITUDINAL SECTION - LINE 1

DRAWING NO: TA-12-129-CVL-DWG-0042

REV: -

LEGEND:

T.M.S. - TERMINAL MAINTENANCE SHAFT
(REFER TO STD. DRG W2-1-06)
A LOCKABLE LID.

M.S. - MAINTENANCE SHAFT
(REFER TO STD. DRG W2-1-09)
A LOCKABLE LID.

B - CAST IRON CLASS 'B' TO A.S.3902
D - CAST IRON CLASS 'D' TO A.S.3902

CRD
- MAINTENANCE HOLE COVER DUTY (REFER TO W2-2-01D)
- MAINTENANCE HOLE COVER SHAPE C = CIRCULAR R = RECTANGULAR
- MAINTENANCE HOLE SHAPE C = CIRCULAR R = RECTANGULAR

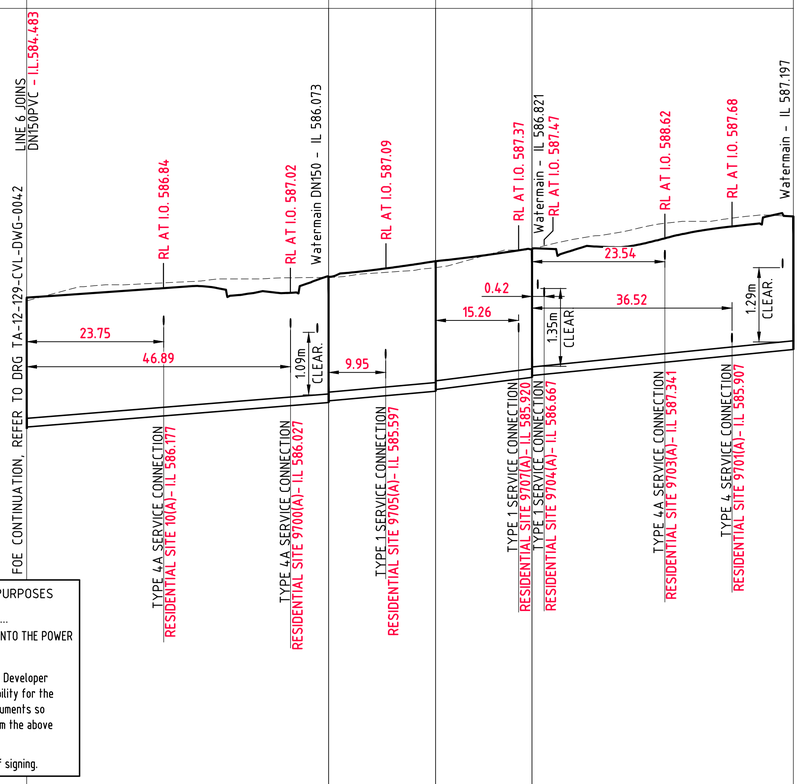
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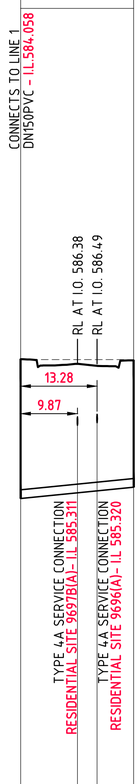
SIGNED..... DATE.....

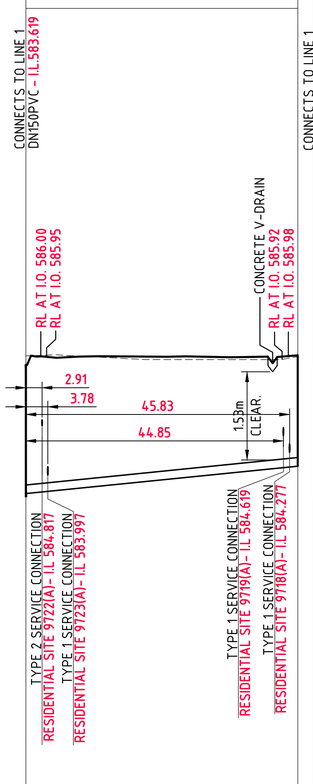
ON BEHALF OF LAND DEVELOPMENT, FOR INCORPORATION INTO THE POWER AND WATER AUTHORITY'S NETWORK

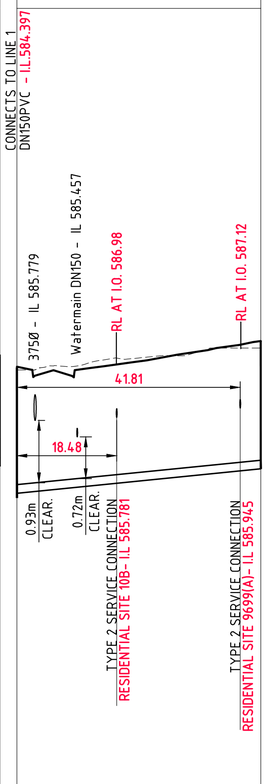
This permission to Use is given on the basis that the Developer and/or Consultant is not absolved from full responsibility for the correctness and accuracy of the design and/or documents so associated. This approval is valid up to two years from the above date.

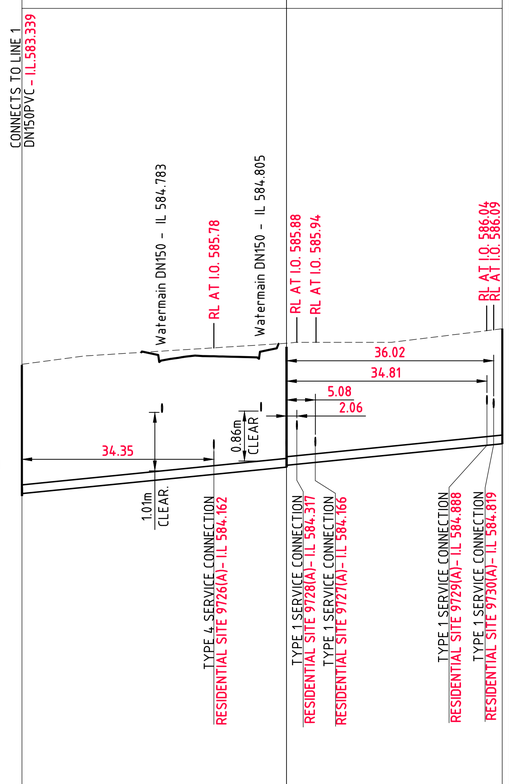
This drawing is valid for 2 years from the date of signing.











SEWER MAINTENANCE HOLE No.	1/7	MS 1	1/8	1/9	T.M.S. 1	
CHAMBER SHAPE COVER & DUTY	CRD	CRD	CRD	CRD	TMS	
CHAMBER DROP TYPE	1	1	1	1	1	
PIPE DETAILS SLOPE/GRADE	1500Ø PVC 8.06		1500Ø PVC 8.93	1500Ø PVC 12.25	1500Ø PVC 10.0	
DATUM RL 576.7						
RIM TOP LEVEL	586.699	587.038	587.385	587.507	588.086	
DEPTH TO INVERT	2.268	2.184	2.148 / 2.329	2.304 / 2.221	2.186	2.310
INVERT LEVEL	584.431	584.854	584.890 / 585.056	585.081 / 585.286	585.321	585.776
FINISHED SURFACE	586.676	587.038	587.310	587.520	588.086	
CHAINAGE	333.108	385.542	404.138	420.876	466.274	
		52.434	18.596	16.738	45.398	

LINE 1

SEWER MAINTENANCE HOLE No.	1/6	T.M.S. 3	1/4	4/1	1/7	T.M.S. 4
CHAMBER SHAPE COVER & DUTY	CRD	CRD		TMS	CRD	TMS
CHAMBER DROP TYPE	1	-	1	-	1	-
PIPE DETAILS SLOPE/GRADE	1500Ø PVC 9.52		1500Ø PVC 10.12		1500Ø PVC 10.0	
DATUM	RL 577.6		RL 577.1		RL 577.9	
RIM TOP LEVEL	586.540	586.488	585.990	586.26	586.699	587.273
DEPTH TO INVERT	2.446	2.207	2.303	2.069	2.216	2.366
INVERT LEVEL	584.094	584.281	583.678	584.156	584.483	584.907
FINISHED SURFACE	586.506	586.488	585.901	586.075	586.676	587.123
CHAINAGE	0.000	19.632	0.000	47.228	0.000	42.354
		19.632		47.228		42.354

LINE 3 LINE 4 LINE 6

SEWER MAINTENANCE HOLE No.	1/3	MH 7/1	T.M.S. 5			
CHAMBER SHAPE COVER & DUTY	CRB	CRD	TMS			
CHAMBER DROP TYPE	1	1	1			
PIPE DETAILS SLOPE/GRADE	1500Ø PVC 10.2	1500Ø PVC 10.0				
DATUM	RL 576.8					
RIM TOP LEVEL	585.830	586.164	586.415			
DEPTH TO INVERT	2.460	2.324 / 2.297	2.143			
INVERT LEVEL	583.370	583.840 / 583.867	584.242			
FINISHED SURFACE	585.619	585.983	586.235			
CHAINAGE	0.000	45.960	83.436			
		45.960	37.476			

LINE 7

'AS CONSTRUCTED'

HORIZONTAL 10m 10m 20m 30m 40m 50m
VERTICAL 1m 0 1m 2m 3m 4m 5m

Copyright © TERRITORY ALLIANCE

REV	DATE	REVISION DESCRIPTION	ORIG	CKD	ENG	QA	APPD
-	23-5-12	AS CONSTRUCTED SEWER LINE INFORMATION	GM	JC	TP	TP	TR

SHEET: A1 SCALE: AS SHOWN

Northern Territory Government
Department of Planning and Infrastructure
territory housing

TERRITORY ALLIANCE
building together

Strategic Indigenous Housing and Infrastructure Program

ACONEX NO: TA-12-129-CVL-DWG-0043

DPI NO: B08-4301

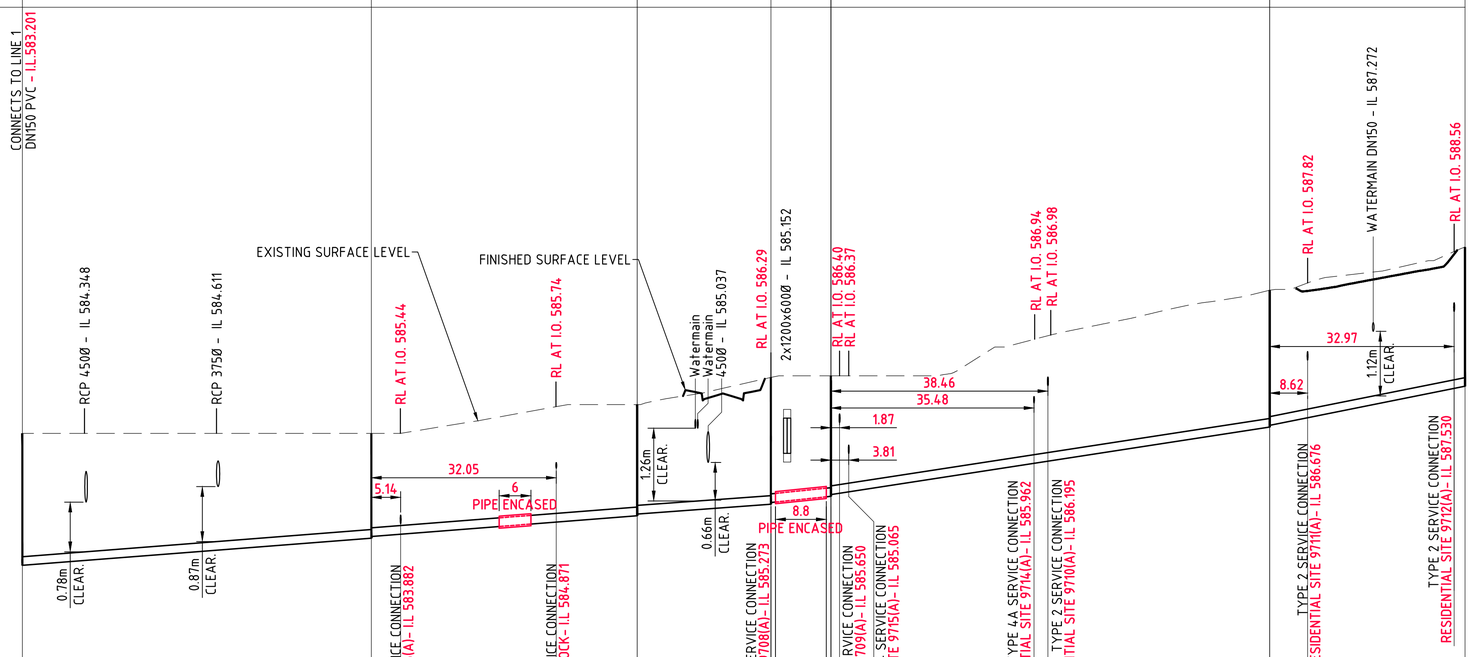
ALICE SPRINGS PACKAGE 12 (TRUCKING YARDS)
PROPOSED SUBDIVISION OF LOT 5152 - SMITH STREET
ALICE SPRINGS, N.T.

SEWER LONGITUDINAL SECTIONS
LINES 1, 2, 3, 4, 6 AND 7

DRAWING NO: TA-12-129-CVL-DWG-0043

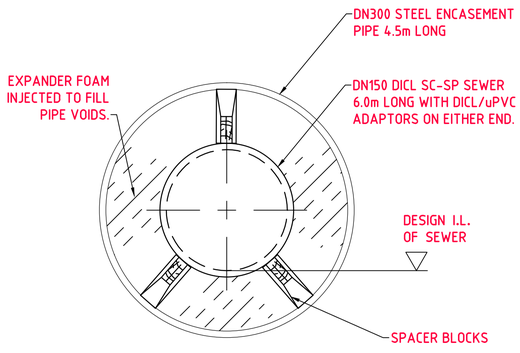
REV: -

SEWER MAINTENANCE HOLE No.	1/2	5/1	5/2	5/3	5/4	5/5	T.M.S. 6
CHAMBER SHAPE COVER & DUTY	CRB	CRB	CRB	CRD	CRD	CRD	
CHAMBER DROP TYPE	1	1	1	1	1	1	



PIPE DETAILS SLOPE/GRADE		150Ø PVC		150Ø PVC		150Ø PVC	150Ø PVC	150Ø DICL	150Ø PVC		150Ø PVC	
DATUM RL 577.9		7.93		7.77		7.36	10.07		15.37		19.92	
RIM TOP LEVEL	585.112		585.697		586.172		586.595	586.685		588.120		588.99
DEPTH TO INVERT	1.950	1.911	2.015	1.985	2.098	2.069	2.321	2.289	2.274	2.245	2.058	2.476	2.564
INVERT LEVEL	583.162	583.201	583.682	583.715	584.074	584.103	584.274	584.306	584.411	584.440	585.612	585.644	586.320
FINISHED SURFACE	585.500		585.547		586.022		586.545	586.535		587.970		588.734
CHAINAGE	0.000	60.623	60.623	46.158	106.781	23.241	130.022	140.448	76.231	216.679	33.935	250.614

LINE 5



SEWER ENCASEMENT SKETCH
NTS

PERMISSION TO USE FOR CONSTRUCTION PURPOSES

SIGNED..... DATE.....

ON BEHALF OF LAND DEVELOPMENT, FOR INCORPORATION INTO THE POWER AND WATER AUTHORITY'S NETWORK

This permission to Use is given on the basis that the Developer and/or Consultant is not absolved from full responsibility for the correctness and accuracy of the design and/or documents so associated. This approval is valid up to two years from the above date.

This drawing is valid for 2 years from the date of signing.

'AS CONSTRUCTED'

HORIZONTAL 10m 1m 0 1m 2m 10m 3m 20m 4m 30m 5m 40m 50m

VERTICAL

Copyright © TERRITORY ALLIANCE

REV	DATE	REVISION DESCRIPTION	ORIG	CKD	ENG	QA	APPD
-	23-5-12	AS CONSTRUCTED SEWER LINE INFORMATION	GM	JC	TP	TP	TR

SHEET: A1 SCALE: AS SHOWN

Northern Territory Government
Department of Planning and Infrastructure
territory housing

TERRITORY ALLIANCE
building together

Strategic Indigenous Housing and Infrastructure Program

ACONEX NO: TA-12-129-CVL-DWG-0044

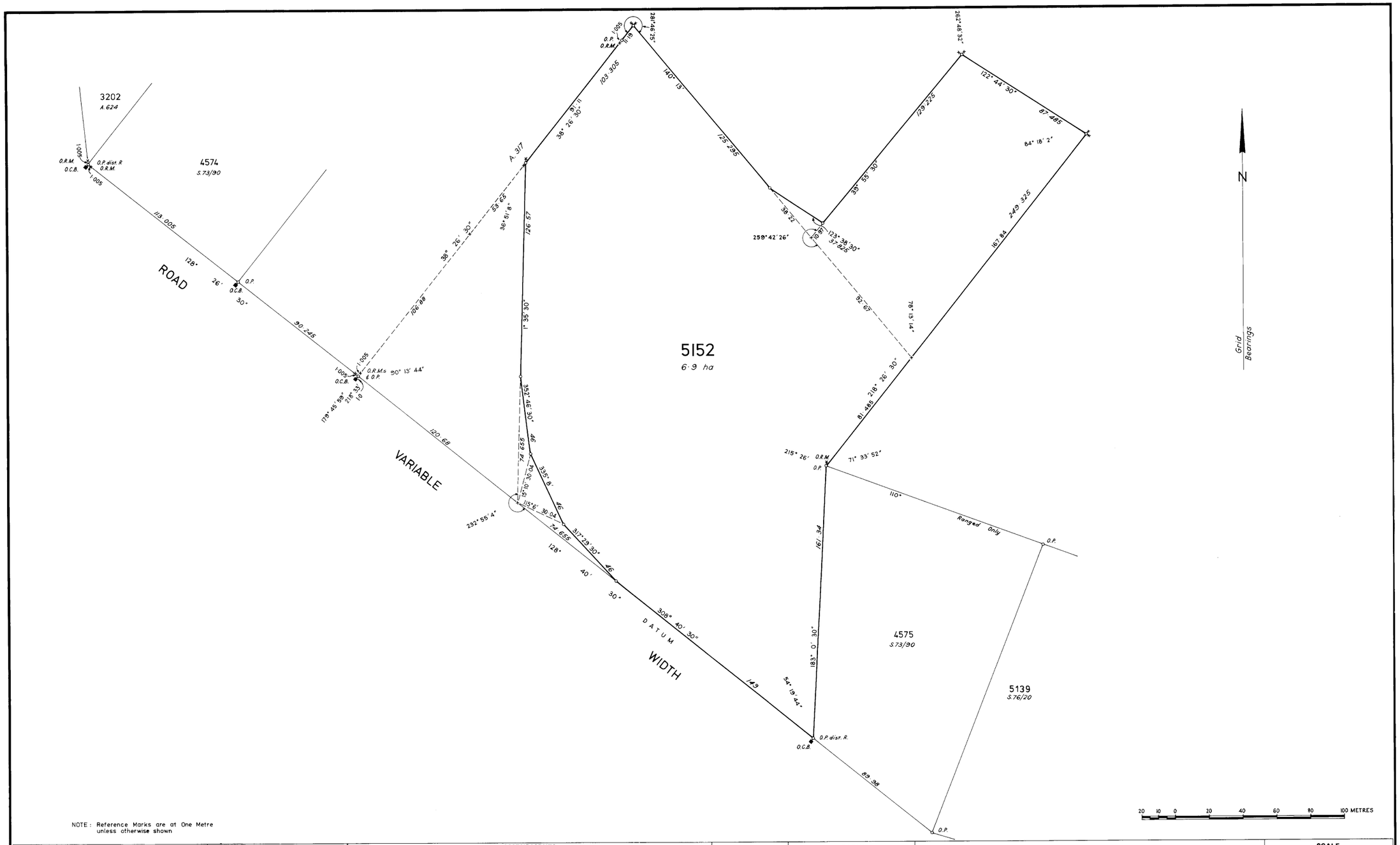
DPI NO: B08-4302

ALICE SPRINGS PACKAGE 12 (TRUCKING YARDS)
PROPOSED SUBDIVISION OF LOT 5152 - SMITH STREET
ALICE SPRINGS, N.T.

SEWER LONGITUDINAL SECTIONS - LINES 5

DRAWING NO: TA-12-129-CVL-DWG-0044

REV: -



NOTE: Reference Marks are at One Metre unless otherwise shown

SURVEYOR'S CERTIFICATE

I, T. I. McKnight hereby certify that the survey represented on this plan was carried out by me or under my immediate supervision and was completed on 14-11-77 and that this survey has been executed in accordance with the Licensed Surveyors Ordinance 1933–1937 and the Regulations thereunder.

Date 6-12-77 T. I. McKnight Licensed Surveyor

SURVEY APPROVED

Date 13/3/78 G. K. Lindsay Surveyor-General

File No. S.77/50
Field Book No.
Index Plan ALICE SPRINGS 2400 Sh 22 A
Drawn B. Dyer 5-12-77
Examined 25.1.78
Calculation Book No.
Passed ASSISTANT CHIEF DRAFTSMAN
Date 9.3.78

AMENDMENTS

No	REFERENCE	DETAILS	APPROVED	DATE

LEGEND

Concrete Block ■
Survey Post □
Peg or Stake ○
Reference Mark ×
Lockspit I
Fence Post ⊗

AZIMUTH

A. Assumed from S.73/90
B. Observed at ... and related to the ... Meridian of Longitude. Convergence ... of arc.
C. From Latitude Datum ... at ... derived from ...

LOT 5152

TOWN OF ALICE SPRINGS

SCALE 1 : 1000

S.77/50

COPY TO LTO. 22.3.79

Date Registered: 09/06/2010 **Volume** 747 **Folio** 784
Duplicate Certificate as to Title issued? No

SEARCH CERTIFICATE

SPECIAL PURPOSES LEASE 00449

Lot 5152 Town of Alice Springs from plan(s) S 77/050
Area under title is 6 hectares 9000 square metres

Owner:
Nyewente Association Incorporated
of PO Box 8070, Alice Springs NT 0871

Registered Date	Dealing Number	Description
		Previous title is **Volume** 622 **Folio** 182
09/06/2010	728350	Underlease to Northern Territory of Australia - expiring 22/12/2012 (728331)
09/06/2010	728331	Sublease to Executive Director of Township Leasing - expiring 22/12/2049
13/08/1996	358044	Statutory Notice - Prescribed Property

End of Dealings

Commencement Date: 17 September 1978

Expiry Date: In Perpetuity

Reservations:

(a) A right of entry in favour of the Minister, or an officer authorised in writing by the Minister, at all reasonable times and in any reasonable manner, to enter upon the leased land or any part of it and to inspect the leased land or any part of it and any improvements on it.

(b) All minerals and mineral substances in or on the leased land including gold, silver, copper, tin, other metals, ores, and substances containing metals, gems, precious stones, coal, shale, mineral oils and valuable earths or substances, together with the right to authorise any persons to enter upon the land to mine, work for, win, recover and remove them or any of them and to do all things necessary or convenient for those purposes.

(c) A power of resumption.

(d) A right of entry and inspection for the purposes of providing and maintaining water, sewer, electricity and other services on the leased land or on other lands.

Provisions:

To hold unto the lessee in perpetuity yielding and paying therefor an annual rental of ten cents if and when demanded by the Minister subject to re-appraisment in accordance with Section 11A of the Special Purposes Leases Act.

And it is hereby declared that -

The lessee, having paid all rent due under this lease, may at any time surrender this lease in accordance with the provisions of the Special Purposes Leases Act and the Regulations thereunder.

If the rent (other than the rent for the first year) is not paid on or before the expiry of three months from the date on which it becomes payable by the lessee, an additional amount (which shall be deemed to be recoverable as rent) at the rate of five per centum per annum from the expiry of that period shall become payable by the lessee in respect of the rent overdue, if demanded by the Minister.

This lease is granted under and subject to the Special Purposes Leases Act and the Regulations for the time being in force thereunder and is conditional upon compliance by the lessee with the covenants and conditions to be complied with by the lessee and may, subject to the Special Purposes Leases Act and the Regulations, be forfeited for non-compliance with any such covenant or condition.

Covenants:

The lessee covenants with the Minister as follows -

1. That the lessee will pay the rent annually in advance.

2. That the lessee will use the land only for the purposes for which it is leased; viz: Communal Settlement, Camping and Ancillary.

3. That the lessee will pay all rates and taxes which may at any time become due in respect of the leased land.

4. That the lessee will observe and comply with the Regulations under the Special Purposes Leases Act for the time being in force.

5. That the lessee will by the seventeenth day of September, 1979 or within such further time as may be approved in writing by the Minister for that purpose, commence to erect improvements on the land suitable to the purpose of the lease and in accordance with plans and specifications prepared by the lessee and previously submitted to and approved by the Minister. Improvements to the value of fifty thousand dollars shall be made by the seventeenth day of September, 1980 and completion of all improvements to the total value of not less than two hundred thousand dollars shall be made by the seventeenth day of September, 1983 and will be made in accordance with any Act, Ordinance or Regulation or within such further time as may be approved in writing by the Minister for that purpose and shall thereafter repair and maintain and keep in repair such improvements to the satisfaction of the Minister.

6. That the lessee will submit detailed sketch plans for the development of the site to the Planning Branch Department of Lands and Housing for approval prior to the commencement of development. Such plans will contain all details of intended improvements and proposed landscaping.

7. That the leased land will be dust supressed and drained for stormwater to the satisfaction of the Minister by the seventeenth day of September, 1980 or within such further time as may be approved by the Minister and all works shall thereafter be maintained to the satisfaction of the Minister.

8. That all internal roads and pathways will be well drained and of good all weather construction and shall be maintained to the satisfaction of the Minister.

9. That no building, structure or vehicle shall be situated within 7.6 metres of any road frontage. The set back areas so formed on road frontages shall be landscaped with trees and shrubs to the satisfation of the Minister by the seventeenth day of September, 1980 or within such further time as may be allowed by the Minister and all such landscaping thereafter be maintained to the satisfaction of the Minister.

10. That all water and sewerage works shall be carried out in accordance with the standards required by the Local Authority and the Department of Health. The disposal of garbage, sewage, waste water and sullage within the boundaries of the site must accord with the requirements of the Department of Health.

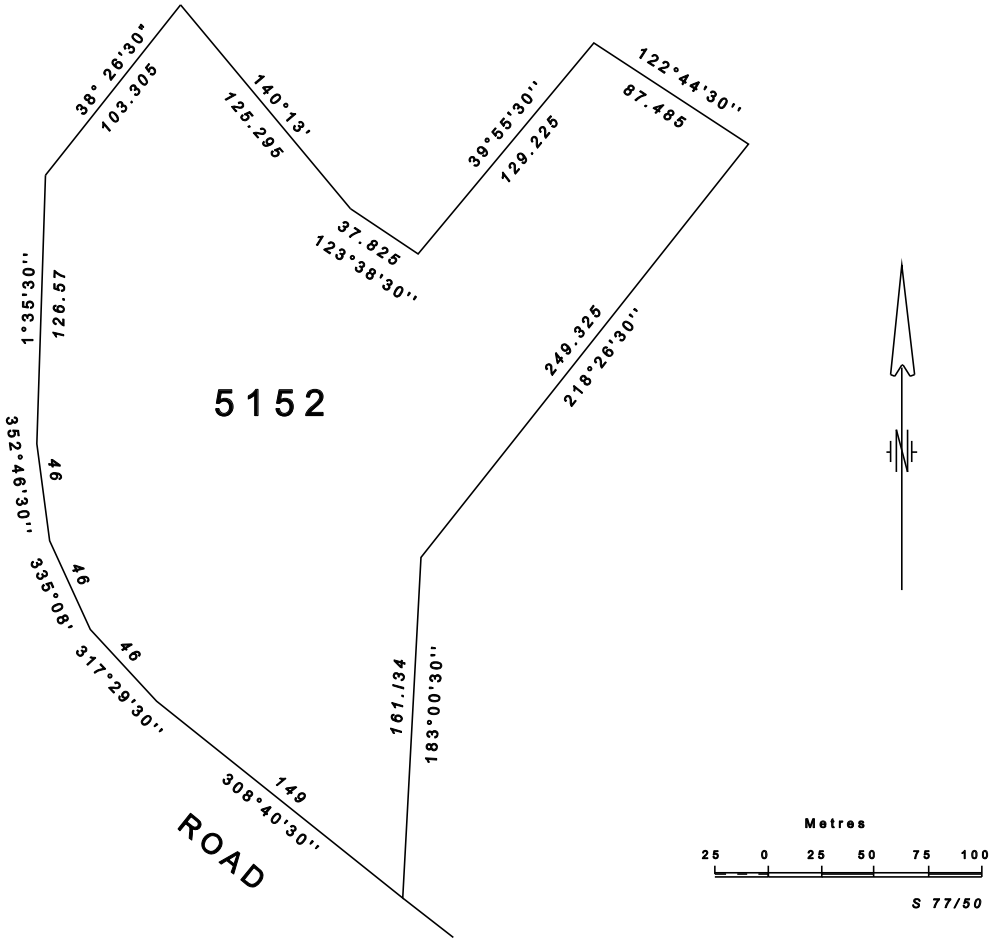
11. Adequate fire fighting equipment will be provided on the site and shall be easily accessible from any development. Such equipment shall be approved by the Local Authority and thereafter maintained to the satisfaction of the Minister.

12. That for every ten individual camping sites or part thereof there shall be provided the following minimal facilities: 1 water point 1 water closet for use by males 1 urinal 1 water closet for use by females 1 shower with hot and cold water, for use by males 1 shower with hot and cold water, for use by females 1 handbasin with hot and cold water for each water closet provided 1 wash trough with hot and cold water.

13. That all electrical reticulation will conform at all times with the appropriate by-laws, standards and specifications of the Northern Territory Electricity Commission.

Date Registered: 09/06/2010 **Volume** 747 **Folio** 784

Duplicate Certificate as to Title issued? No



NORTHERN TERRITORY OF AUSTRALIA

Record of Administrative Interests and Information

Record of Administrative Interests and Information
The information contained in this record of Administrative Interests only relates to the below parcel reference.

Parcel Reference: Lot 05152 Town of Alice Springs plan(s) S 77/050

(See section 38 of the Land Title Act)

Note: The Record of Administrative Interests and Information is not part of the Land Register and is not guaranteed by the Northern Territory of Australia, and the NT Government accepts no Liability for any omission, misstatement or inaccuracy contained in this statement.

Registrar General

Government Land Register
(none found)

Custodian - Registrar General (+61 8 8999 6252)

Current Title
CUFT 747 784 (order 1)

Tenure Type
SPECIAL PURPOSES LEASE 449

Tenure Status
Current

Area Under Title
6 hectares 9000 square metres

Owners
Nyewente Association Incorporated
PO Box 8070, Alice Springs NT 0871

Easements
(none found)

Scheme Name
(none found)

Scheme Body Corporate Name
(none found)

Reserved Name(s)
(none found)

Unit Entitlements
(none found)

Transfers
(none found)

Tenure Comments
(none found)

Historic Titles
CUFT 622 182 (order 1)
CUCL 160 006 (order 3)
CUCL 160 006 (order 2)
CUCL 160 006 (order 1)
Visit the website http://www.nt.gov.au/justice/bdm/land_title_office/

Custodian - Surveyor General (+61 8 8995 5362)

Address
86 SMITH ST, CICCONE

Survey Plan
S 77/050

Survey Status
Approved

Parcel Status
CURRENT

Parcel Area
6 hectares, 9000 square metres

Map Reference
Code 010 Scale 2500 Sheet 29.33
Code 010 Scale 2500 Sheet 29.34

Parent Parcels
(none found)

Parcel Comments
PROP CAMPING AREA OOTNARUNGATCHA HOUSING ASS. S77/50/1. BECAME SPL 449. LOTS 10247(A) TO 10288(A) - S2012/006, ISSUED UNDER TERRITORY ALLIANCE SCHEME.

Survey Comments
(none found)

Proposed Easements
(none found)

Municipality
ALICE SPRINGS MUNICIPALITY

Region
ALICE SPRINGS

Custodian - Valuer General (+61 8 8995 5375)

Owner's Last Known Address
CEO Housing & Department of Lands and Planning, ATTENTION: CHIEF FINANCE OFFICER, GPO BOX 4621, DARWIN NT 0801

Parcels in Valuation

Lot 05152 Town of Alice Springs

Unimproved Capital Value

$620,000 on 01/07/2015
$683,000 on 01/07/2012
$650,000 on 01/07/2009
$480,000 on 01/07/2006
$365,000 on 01/07/2003
$274,000 on 01/07/2000
$265,000 on 01/07/1997
$216,000 on 01/07/1994
$180,000 on 01/07/1991
$168,000 on 01/01/1989
$99,000 on 01/01/1986
$90,000 on 01/01/1983
$34,000 on 01/07/1980
$12,000 on 14/03/1978

Valuation Improvements

28/05/1990 House x 13
28/05/1990 Ablution block x 3
28/05/1990 Hall
18/11/1986 House
01/01/0001 Land

Custodian - Property Purchasing (+61 8 8999 6631)

Acquisitions

(none found)

Custodian - Building Advisory Service (+61 8 8999 8965)

Building Control Areas

BBASP001 - Building Control Area	ALICE SPRINGS BUILDING AREA

Building Permits

Application Number:	40 of 40
Description:	construction of shade structure for park use
Number of Residental Units:	
Australian Bureau of Statistics Type:	(none found)
Building Class:	Non-habitable building
Area:	64 square metres
Certification:	Non-habitable building - Occupancy Permit - *issued on* 28/04/2016

Application Number:	39 of 40
Description:	alterations to existing, addition of new roof, addition of new toilets and verandah
Number of Residental Units:	
Australian Bureau of Statistics Type:	(none found)
Building Class:	Assembly building
Area:	185 square metres
Certification:	Assembly building - Full Code - *issued on* 03/06/2015

Application Number:	38 of 40
Description:	Dwelling Alterations [House 5,7] including New Kitchens,Wet Areas,Floor Linings, Windows & Doors, Air Conditioning & Heating
Number of Residental Units:	2
Australian Bureau of Statistics Type:	Separate House
Building Class:	Single Dwelling
Area:	(none found)
Certification:	Single Dwelling - Full Code - *issued on* 26/02/2013

Application Number:	37 of 40
Description:	Refursbishment [House 14]
Number of Residental Units:	1
Australian Bureau of Statistics Type:	Separate House
Building Class:	Single Dwelling
Area:	(none found)
Certification:	Single Dwelling - Full Code - *issued on* 02/09/2011

Application Number:	36 of 40
Description:	Refurbishment [House 1]
Number of Residental Units:	1
Australian Bureau of Statistics Type:	Separate House
Building Class:	Single Dwelling
Area:	(none found)
Certification:	Single Dwelling - Full Code - *issued on* 02/09/2011

Application Number:	35 of 40
Description:	Refurbishment [House 3]
Number of Residental Units:	1
Australian Bureau of Statistics Type:	Separate House
Building Class:	Single Dwelling
Area:	(none found)
Certification:	Single Dwelling - Full Code - *issued on* 16/12/2010

Application Number:	34 of 40
Description:	Refursbishment [House 2,4,8,9,10,11]
Number of Residental Units:	1
Australian Bureau of Statistics Type:	Separate House
Building Class:	Single Dwelling
Area:	(none found)
Certification:	Single Dwelling - Full Code - *issued on* 01/08/2011

Application Number:	33 of 40
Description:	New Concrete & Steel Residential Dwelling [9728]
Number of Residental Units:	2
Australian Bureau of Statistics Type:	Semi-detached town house of one storey
Building Class:	Single Dwelling
Area:	540 square metres
Certification:	Single Dwelling - Full Code - *issued on* 09/02/2011

Application Number:	32 of 40
Description:	New Concrete & Steel Residential Dwelling
Number of Residental Units:	2
Australian Bureau of Statistics Type:	Semi-detached town house of one storey
Building Class:	Single Dwelling
Area:	(none found)
Certification:	Single Dwelling - Full Code - *issued on* 09/02/2011

Application Number:	31 of 40
Description:	New Concrete & Steel Residential Dwelling [9722]
Number of Residental Units:	2
Australian Bureau of Statistics Type:	Semi-detached town house of one storey
Building Class:	Single Dwelling
Area:	(none found)
Certification:	Single Dwelling - Full Code - *issued on* 09/02/2011

Application Number:	30 of 40
Description:	New Concrete & Steel Residential Dwelling [10B]
Number of Residental Units:	2
Australian Bureau of Statistics Type:	Semi-detached town house of one storey
Building Class:	Single Dwelling
Area:	205 square metres
Certification:	Single Dwelling - Full Code - *issued on* 09/02/2011

Application Number: 29 of 40
Description: dwelling
Number of Residental Units: 1
Australian Bureau of Statistics Type: Separate House
Building Class: Single Dwelling
Non-habitable building
Area: 130 square metres
Certification: Single Dwelling - Full Code - *issued on* 23/11/2010
Non-habitable building - Full Code - *issued on* 23/11/2010

Application Number: 28 of 40
Description: Dwelling alterations to house 06 & 07 including new kitchens, wet areas, floor linings, windows and door, air conditioning and heating
Number of Residental Units: 1
Australian Bureau of Statistics Type: Separate House
Building Class: Single Dwelling
Area: (none found)
Certification: Single Dwelling - Full Code - *issued on* 05/08/2010

Application Number: 26 of 40
Description: Upgrade to dwelling (House 7). Including Walls cladding, sunshade awnings, verandas.
Number of Residental Units:
Australian Bureau of Statistics Type: (none found)
Building Class: Non-habitable building
Area: (none found)
Certification: Non-habitable building - Full Code - *issued on* 04/02/2009

Application Number: 24 of 40
Description: Duplex x2
Number of Residental Units: 2
Australian Bureau of Statistics Type: Semi-detached town house of one storey
Building Class: Single Dwelling
Area: 360 square metres
Certification: Single Dwelling - Full Code - *issued on* 01/08/2007

Application Number: 23 of 40
Description: Single Residential dwelling (1HANT Type CRRC4D)
Number of Residental Units: 1
Australian Bureau of Statistics Type: Separate House
Building Class: Single Dwelling
Area: 139 square metres
Certification: Single Dwelling - Full Code - *issued on* 01/08/2007

Application Number: 22 of 40
Description: DWELLING

Number of Residental Units:	1
Australian Bureau of Statistics Type:	Separate House
Building Class:	Single Dwelling
Area:	0 square metres
Certification:	Single Dwelling - Full Code - *issued on* 25/06/2002

Application Number:	21 of 40
Description:	CONSTRUCTION OF A DWELLING
Number of Residental Units:	1
Australian Bureau of Statistics Type:	Separate House
Building Class:	Single Dwelling
Area:	0 square metres
Certification:	Single Dwelling - Full Code - *issued on* 06/03/2001

Application Number:	20 of 40
Description:	DWELLING ADDITIONS / ALTERATIONS
Number of Residental Units:	1
Australian Bureau of Statistics Type:	Separate House
Building Class:	Single Dwelling
Area:	0 square metres
Certification:	Single Dwelling - Full Code - *issued on* 06/07/2000

Application Number:	17 of 40
Description:	DWELLING
Number of Residental Units:	1
Australian Bureau of Statistics Type:	(none found)
Building Class:	Single Dwelling
Area:	208 square metres
Certification:	Single Dwelling - Full Code - *issued on* 07/03/1995

Visit the website http://www.nt.gov.au/building/

Custodian - Town Planning and Development Assessment Services (+61 8 8999 6046)

Planning Scheme Zone
CL (Community Living)

Interim Development Control Orders
(none found)

Planning Notes
(none found)

Planning Applications

File Number
PA2010/0159

Type
Compliance Check

Date Received
17/02/2010

Application Purpose
Dwellings to Trucking Yards Town Camp

Application Status
Approved

Other Affected Parcels
(none found)

Instrument Signed

Instrument Number

Instrument Issued
Not Complete

Instrument Status

Custodian - Power and Water Corporation (1800 245 092)

Meters on Parcel

Power Water - Electricity	17
Power Water - Water	16

For Account balances, contact the Power and Water Corporation.

Custodian - Pool Fencing Unit (+61 8 8924 3641)

Swimming Pool/Spa Status
(none found)

For more information, contact the Pool Fencing Unit (+61 8 8924 3641).

Custodian - Mines and Energy (+61 8 8999 5322)

For information on possible Exploration Licences, contact Mines & Energy or visit the website http://www.nt.gov.au/d/Minerals_Energy/

For information on possible Petroleum Titles, contact Mines & Energy for further details.

Custodian - NT Environment Protection Authority (+61 8 8924 4218)

Results of site contamination assessment
(none found)

For further information contact Environment Protection Authority or visit the website https://ntepa.nt.gov.au/waste-pollution/contaminated-land

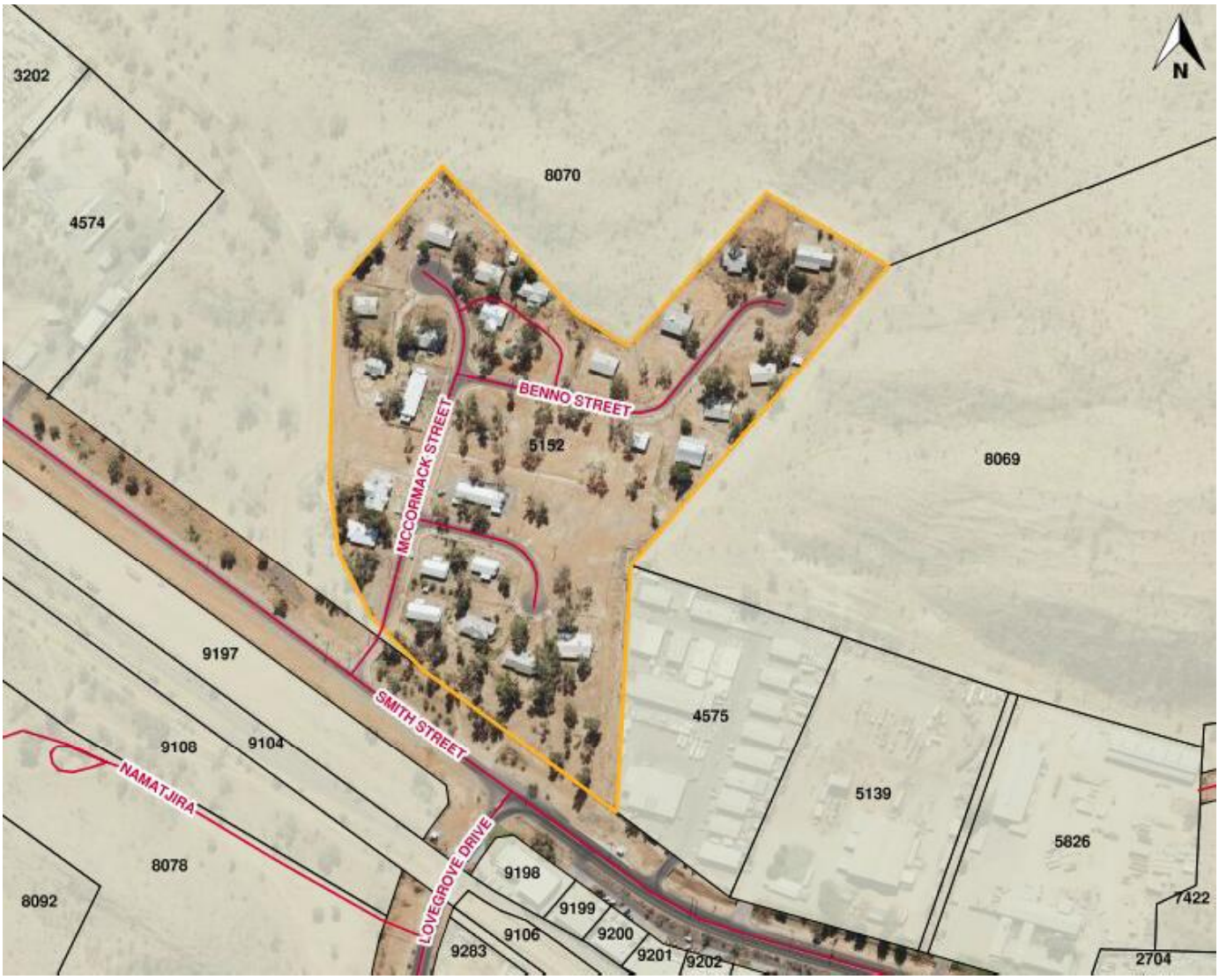
Custodian - Heritage Branch (+61 8 8999 5039)

Heritage Listing:
(none found)

For further information on heritage places contact Heritage Branch or visit the website
https://nt.gov.au/property/land/heritage-register-search-for-places-or-objects

Other Interests

For Account balances, contact Alice Springs Town Council



Transformer data

Group	Com Id	Location	Community Name	Dwellings No. (Funded Dwellings)	Dwellings No. (Bennett Design)	New Houses ** (Future Demand)	Primary Volatge Level (KV)	PWC Substation ID	PWC Test Number	Transformer size (KVA)	KVA Total dwellings @ 4.5KVA	KVA Total dwellings @ 7KVA	Comments
1	290	Darwin	Bagot	55	55		11	1924	1735	300	247.5	385	
	344	Darwin	Knuckey Lagoons	18	19	2	11	1771	2163	100	85.5	133	
	347	Darwin	Kulaluk	19	19		11	1092	10607	50	85.5	133	
	403	Darwin	Palmerston Town Camp	20	16		22	10196	10245	100	90	140	Two transformers for this Town Camp. Transformers are not in boundary of Town Camp [The nearest transformers data to Town Camp are highlighted in yellow].
							22	265	11645	25			
	412	Darwin	Railway Dam (One Mile Dam)	5	6	2	11	1041	4378	200	27	42	Transformer is not in boundary of Town Camp [The nearest transformer data to Town Camp is highlighted in yellow].
	427	Adelaide River	Amangal	9	9		22	216	12187	100	40.5	63	Two transformers for this Town Camp.
							22	184	5646	63			
	687	Jabiru	Manabadurma	10	12		11	5050	11107	200	54	84	
	825	Darwin	Minmarama Park	24	24		11	2147	11372	100	108	168	
2	606	Katherine	Warlpiri Transient Camp	9	9		22	6416	4886	100	40.5	63	Two transformers for this Town Camp.
							22	6074	4695	25			
	621	Katherine	Miali Brumby (Kalano)	47	31		22	6133	12247	315	211.5	329	
	640	Pine Creek	Pine Creek Compound	4	4		22	6666	3147	25	18	28	Transformer is not in boundary of Town Camp [The nearest transformer data to Town Camp is highlighted in yellow].
	971	Mataranka	Mulggan	12	9	4	22	6819	5296	16	54	84	
							22	6818	5297	16			
							22	6384	11028	25			
3	215	Tennant Creek	Blueberry Hill (Munji-Marla)	2	2		22	7079	1868	200	9	14	Transformer is not in boundary of Town Camp [The nearest transformer data to Town Camp is highlighted in yellow].
	223	Tennant Creek	Dump Camp (Marla-Marla)	7	7		22	7181	11088	200	31.5	49	
	224	Elliott	Elliott South Camp	12	12		11	7504	4718	200	54	84	Transformer is not in boundary of Town Camp [The nearest transformer data to Town Camp is highlighted in yellow].
	225	Elliott	Elliott North Camp	36	25		11	7505	4715	100	162	252	
	238	Tennant Creek	Kargaru (East Side Camp)	12	12	1	22	7572		200	54	84	
	246	Tennant Creek	Ngalpa Ngalpa	18	21		22	7179		200	94.5	147	Two transformers for this Town Camp.
							22	7033	10904	315			
	271	Tennant Creek	Village Camp	12	12	1	22	7183	11107	200	54	84	
	681	Tennant Creek	Tingkarli	12	12		22	7180		200	54	84	
	684	Tennant Creek	Wuppa	15	15	1	22	7141	11092	100	67.5	105	Two transformers for this Town Camp.
							22	7182	11095	200			
4	3	Alice Springs	Akngwertnarre (Morris Soak)	11	15		11	8596	11336	300	67.5	105	Transformer is not in boundary of Town Camp [The nearest transformer data to Town Camp is highlighted in yellow].
	16	Alice Springs	Anthelk Ewlpaye (Charles Creek)	17	10		11	8569		315	76.5	119	Transformer is not in boundary of Town Camp [The nearest transformer data to Town Camp is highlighted in yellow].
	17	Alice Springs	Anthepe	15	15		22	8598	5874	200	67.5	105	Data extracted from PWC asset information. There was not access to this Town Camp due to ceremony on inspection day.
							22	8597	11244	315			
	19	Alice Springs	Aper Alwerrknge (Palmers)	7	6		11	8405	2939	200	31.5	49	Transformer is not in boundary of Town Camp [The nearest transformer data to Town Camp is highlighted in yellow].
	35	Alice Springs	Ewyenper Atwatye (Hidden Valley)	47	47		11	8622	11202	100	211.5	329	
							11	8623	11203	100			
							22	8625	11205	63			
							11	8626	11204	100			
	47	Alice Springs	Ilparpa	13	13		22	8611	11702	200	58.5	91	
	48	Alice Springs	Ilperle Tyathe (Walpiri)	10	9		11	8001	11209	315	45	70	Transformer is not in boundary of Town Camp [The nearest transformer data to Town Camp is highlighted in yellow].
	50	Alice Springs	Ilyperenye (Old Timers)	10	10		22	8145	3323	100	45	70	
	64	Alice Springs	Bassos	2	2		11	8002	10946	50	9	14	
	69	Alice Springs	Karnte	19	19		22	8282	2345	100	85.5	133	
	87	Alice Springs	Yarrenty Altere (Larapinta Valley)	34	34		11	8617	11334	100	153	238	
							11	8618	11200	63			
							11	8619	11335	100			
							11	8620	11201	100			
	90	Alice Springs	Inarlenge (Little Sisters)	16	22		22	8137	2925	100	99	154	Transformer is not in boundary of Town Camp [The nearest transformer data to Town Camp is highlighted in yellow].
	108	Alice Springs	Mpwetyerre (Abbotts)	6	6		11	8093	11703	315	27	42	Transformer is not in boundary of Town Camp [The nearest transformer data to Town Camp is highlighted in yellow].
	113	Alice Springs	Mount Nancy (Nyewente)	11	12		11	8405	2939	200	54	84	
	129	Alice Springs	Nyewente (Trucking Yards)	26	26		11	8629	11312	300	117	182	
	675	Alice Springs	Hoppys	15	19						85.5	133	There is not any Transformer in boundary of Town Camp. Also it's not shown in PWC asset information.
	676	Alice Springs	Ilpiye Ilpiye (Golders Camp)	15	14		11	8314	369	50	67.5	105	
	1029	Alice Springs	Kunoth	4	4		11	8569		315	18	28	Transformer is not in boundary of Town Camp [The nearest transformer data to Town Camp is highlighted in yellow].
5	222	Borroloola	Mara	28	29	2	11	6187	12610	100	130.5	203	Two transformers for this Town Camp.
							11	6545	10203				
	229	Borroloola	Garawa 1	16	14		11	6546	10166	100	72	112	Two transformers for this Town Camp.
							11	6332	4890	100			
	278	Borroloola	Yanyula	29	29		11	6162	10496	200	130.5	203	Data extracted from PWC asset information. It's outside of Twon Camp, shown only Transformer to this Town Camp.
							11		10167				This transformer is not shown in PWC asset information. It's installed in Boat Ramp Road near to Town Camp and connected to Electrical reticulation of Town Camp.
	992	Borroloola	Garawa 2	11	11		11	6189	2669	25	49.5	77	

** For New house's demand calculation see section 13.4 "Future Demand".

Hoppys

Hoppys

1 Design

The infrastructure reviews have been undertaken against current relevant standards for typical sub-divisions. The following standards have been used in undertaking the reviews.

Sewerage and water supply

- Water Services Association of Australia – Sewerage Code – WSA 02 Part 1: Planning and Design
- Power and Water Corporation supplement to WSA 02
- Water Services Association of Australia – Sewerage Pumping Station Code – WSA 04 -2005 Part 1: Planning and Design
- Power and Water Corporation supplement to WSA 04
- Water Services Association of Australia – Water Supply Code – WSA 03 2002 Part 1: Planning and Design
- Power and Water Corporation supplement to WSA 03
- Power and Water Corporation Indigenous Community Engineering Guidelines (2008)
- Department of Housing and Community Development Indigenous Community Engineering Guidelines (ICEG 2014, updated September 2016)
- Power and Water Corporation Essential Services Infrastructure Assessment and Upgrade Guidelines (for Town Camps in Urban Communities, 2009)
- Power and Water Corporation Standard Drawings
- Australian Standards

Electrical services

Electrical infrastructure has been assessed against AS/NZS3000 Wiring Rules and against PWC Service, Installation and Metering Rules and Urban Residential Development (URD) Design Standards where possible.

With one exception, town camps are each a single lot and compliance with AS/NZS3000 is sufficient to address potential safety concerns.

As such application of PWC URD Design Standards will mainly apply to the incoming supply and bulk or initial multi-metering panels if provided.

URD Design Standards for internal reticulation and street lighting appear to have been applied in many cases for convenience rather than compliance.

For the purposes of this report, the demand per dwelling allowances of URD Design Standards have been used to estimate incoming supply and overall distribution capacity requirements.

The following standards apply:

- Australian Standards
- Power Networks Design and Construction Guidelines, Power and Water Corporation
  - NP001.1_Design and Construction of Network Assets – General Requirements
  - NP001.3_General Specification for Overhead Electrical Reticulation
  - NP001.6_General Specification for URD Subdivisions
  - NP003_Installation Rules_V3
  - NP007_Service Rules
  - NP027_Capture of Newly Installed Street Lighting Information
  - NP041_Guidelines for Electrical Design Consultants

Further referral to the guidelines in this report will be designated by the guidelines number, NP001.1.

Communications

- National Broadband Network Website viewed 21 January 2017 (http://www.nbnco.com.au/) – NBN rollout maps

Council guidelines

In addition to the above standards, the following Council guidelines will be used where applicable.

- Alice Springs Town Council – Subdivision and Development Guidelines, November 2012

General

It should be noted that if the town camps are proposed to be subdivided and services assets gifted to Power and Water Corporation (PWC) for operation and maintenance, all of these services will need to fully meet PWC standards. With the exception of a few town camps that have recently been upgraded, this will require the full replacement and/or realignment of most services.

2 Condition assessment

2.1 Rating assessment matrix

A condition rating matrix was developed and used to assess all municipal infrastructure. The same rating was used for all services to maintain consistency in assessments. Table 1 Below shows the condition rating and operability.

Table 1 Condition rating

Condition rating		Operability
1	Very Poor	Not operational
2	Poor	Not fully operational or requires immediate maintenance to keep operational
3	Good	Fully operational, may require routine maintenance
4	Very Good	Fully operational, may require maintenance in the next six months
5	Excellent	New, fully operational

2.2 Civil assessment limitations

The civil infrastructure condition investigations were subject to a number of limitations. These include:

- Only accessible services have been investigated. This includes inspecting the top of sewer manholes, side entry pits, etc., however, does not include opening pits to inspect infrastructure below ground.
- No physical testing of the sewer, water or stormwater network was undertaken.
- No survey or service locating was undertaken.

As there was no survey, potholing or CCTV undertaken on the underground infrastructure there is insufficient information to make determinations on the asset condition. The condition assessments discussed in this report are only for the accessible services and do not necessarily represent the condition of the underground infrastructure. For the majority of the town camps, other than a few that have recently been upgraded it was found that the underground services are generally undersized and it is likely, due to their age, that the these services are in poor condition. Either factor would trigger the need for a complete replacement to meet current relevant standards.

2.3 Electrical assessment limitations

The electrical infrastructure condition investigations were subject to a number of limitations. These include:

- Inspections were carried out without the assistance of an electrical tradesman.
- Only accessible services were investigated. Assessments were of a visual nature and no pit covers were removed.
- Overhead equipment was assessed from ground level.
- Switchboards were not opened and no assessment of the internal connections or bus ratings was made.
- Electrical infrastructure was assessed down to the meter for multi-meter panels and down to the termination, overhead pole or distribution pillar, of the supply cable to a meter located at a dwelling.

3 Current infrastructure issues

Power and Water Corporation (PWC) have advised of the following concerns and issues in regard to the sewerage, water and electrical infrastructure at all town camps.

3.1 Ownership and maintenance

PWC stated there has always been confusion regarding the ownership and responsibilities of the internal sewer, water and electrical infrastructure. PWC have advised that they have no legal tenure on the majority of assets in any town camps and that the owner is essentially that of the land owner or leaseholder. This is further discussed for each type of infrastructure for each town camp.

The ownership and who is responsible for the maintenance of the sewage pump stations and street lighting is a major concern. In most town camps it was found that PWC have been maintaining the assets on an in-kind basis, although there are no maintenance or access agreements in place and the infrastructure is generally not compliant to PWC standards.

3.2 Access to infrastructure

PWC advised that due to the uncertainty surrounding ownership and responsibility of the sewerage, water and electrical infrastructure, each town camp is seen as a single lot with multiple houses on it. There are no formal road reserves or easements where the municipal infrastructure should be located. PWC therefore have no legal right to enter the town camps to work on the infrastructure, nor can PWC stop others from working on the infrastructure. There is a risk that the maintenance undertaken by others may be to a lower standard than PWC.

It should be noted that there are currently no legal services easements within the town camps, except for a few cases where a town service passes through the town camp. Therefore it is recommended that easements are created over any infrastructure owned by PWC and any future assets to be gifted to PWC, to allow the service providers access to the infrastructure.

3.3 Existing infrastructure

PWC have stated that although the existing sewerage and water infrastructure appears to comply with relevant standards in some locations, the capacity cannot be assumed to meet PWC requirements due to the potential for underground substandard condition and/or grading of pipework. It is likely that these assets will need to be fully replaced to PWC standards to ensure sufficient capacity.

The planning process currently allows construction within the town camps on Commonwealth land without requiring service authority (PWC) approvals. This means that there has been no opportunity for PWC to recover contributions towards required upgrades to headworks servicing the developments and these upgrades have been paid for by PWC in the past. This inconsistency needs to be addressed for future developments within the town camps to ensure PWC are able to continue to provide adequate services.

3.4 Safety concerns

PWC have expressed concerns with safety of PWC staff and contractors working within the camps. PWC have employed procedures such as multiple people / vehicles to attend the site, with police or housing safety officers as required. This

generally leads to a delayed response time and increased cost to respond to and remediate emergency situations.

PWC have also raised the concern that if others work on water infrastructure within the town camps and do not apply the correct sanitation procedures they not only risk contaminating the entire water supply network within the town camp, at some town camps with direct connections to the town supply, they risk contaminating the entire town's water supply.

4 Available information

As the site investigations were limited to accessible / visible services, information on below ground services (such as electrical cables, sewer pipes, water supply pipes, etc.) were determined from available information. This information included:

- Serviced Land Availability Program (SLAP) maps,
- Department of Family & Community Services - Connecting Neighbours Program – Essential Services Scoping Study Report Volume 1 April 2005,
- Connecting Neighbours Project – Infrastructure Assessment and Recommendation Report - Arup Pty Ltd, April 2005,
- Drawings supplied by NT Department of Infrastructure - Technical Records,
- Drawings supplied by Power and Water Corporation,
- Bennett Design inspection reports and population data,
- Land Titles.

Aurecon undertook a site investigation of the Hoppys community on 22 November 2016 to inspect roads, stormwater drainage, electrical services, sewerage and water supply, and community structures. The following sections detail the outcomes of this investigation and the assessments of the infrastructure.

The civil and electrical inspection reports can be found in the Appendicies.

5 Sewerage

5.1 Ownership and boundaries

The sewer infrastructure at Hoppys Camp is owned by the Anthelk-Ewlpaye Association Incorporated, however is the responsibility of Ingkerreke Outstations Resource Services to maintain.

There were no engineering drawings available that show the current internal sewer network, including pipe diameter and grade.

5.1.1 Connection methods and billing

PWC advised that they currently charge a single sewerage bill based on the number of houses, which for Hoppys is 15 plus three others (each with two fixtures). The sewerage bill is charged to the Department of Housing and Community Development.

It is not known what contribution the residents make towards the sewerage bills.

5.2 Existing infrastructure condition assessment

The sewer infrastructure inspection was limited to inspecting the condition of manhole covers and pump stations, as all other sewerage infrastructure is below ground. The assets that were inspected had the following conditions:

Table 2 Sewer condition assessment

Asset	1 Very Poor	2 Poor	3 Good	4 Very Good	5 Excellent	Total
Manhole			6			6
Pump station			1			1



Figure 1 Sewer manhole, condition: *good*



Figure 2 Sewer manhole, condition: *good*



Figure 3 Sewage pump station, condition: *good*

The SIHIP program produced detailed drawings of the sewerage infrastructure upgrades required. From the site inspection, it appears as though the upgrades have not been constructed.

The inspection also assessed a pump station. The Byrne Design report shows that this is a septic tank with pump station (STEP system). The report also noted that

the system was upgraded recently to a Davey Sump Pump with float switch and has not encountered any problems since. Power and Water Corporation noted they have no intention of taking over ownership or maintenance of this pump station.

5.3 Current performance and risks

5.3.1 Current sewer network performance

The current capacity of the sewer network was calculated based on the following design assumptions:

- The adopted minimum grade for the pipework is 1.0%, as advised by Power and Water Corporation.
- The Equivalent Population (EP) has been calculated assuming one household equates to 9 EP, based on discussions with Power and Water Corporation.
- The capacity has been assessed by calculating the current flow rate, and the maximum flow rate when the sewer pipe flows full. The result is then a percentage of how much of the pipe is currently being used.
- Manning's roughness coefficient of the pipework is 0.012, as recommended by PWC for PVC pipes.
- Where the sewer pipe grade, size or material is not known, it is assumed to be non-compliant to PWC standards.

The current number of houses in Hoppys is six, this multiplied by 9 EP per house gives a total current EP of 54.

The pipe size was assumed to be DN100, and non-compliant to PWC standards, which require a DN150 pipe.

The capacity of the existing sewer was then calculated. The percentage shows how much of the pipe capacity is currently being used.

Table 3 Existing sewer capacity

Catchment	Current total EP	Diameter of connection (mm)	Adopted PWC minimum slope (%)	Q_{full} (L/s)	Current Q (L/s)	Current capacity (%)
Catchment 1	54	100	1.0	5.60	0.87	16%

Table 3 above shows that the capacity of the existing sewer network is adequate for the current peak population.

It is recommended that the pipe is upgraded to a DN150 PVC gravity main, with new house connections and manholes, in accordance with PWC standards. The alignment of the new gravity main should be within road reserves or easements. Approximately 550 m is required to connect to the gravity main in Charles Creek.

5.3.2 Current sewage pump station performance

The capacity of the pump station could not be assessed as there were no detailed drawings available.

It should be noted that an investigation was undertaken by Byrne Design in 2014 to confirm the capacity and compliance of the sewage pump stations. The Byrne Design report details the works required to the pump station wet well, collection chamber, and generally around the compound (e.g. lighting, hand rails, etc) to

bring it up to relevant standards. PWC confirmed that none of the recommended upgrades from the Byrne Design report have been constructed.

5.4 Future demands

As no new developments are currently planned for the community, there are no additional upgrades required to cater for future demand.

5.5 Recommended works

The following works are recommended:

- Construct new DN150 PVC reticulation main, including housing connections and manholes, within the road reserve, or within new sewer easements.
- Install new pump station to PWC standards and remove existing STEP system. This will require further engineering design.

6 Water supply

6.1 Ownership and boundaries

The existing water main servicing Hoppys is a DN150 PVC pipe. The water main passes through the community and services Kunoth, Charles Creek as well as other sections of Alice Springs. The main that runs through these communities is a town supply main and is not dedicated to the communities.

PWC have advised that the water reticulation network at Hoppys is a part of the PWC network, however is not strictly up to current standard. PWC maintain the water assets up to the housing meters although there is no formal agreement to conduct this maintenance. It is believed the remaining water infrastructure is owned by Anthelk-Ewlpaye Association Incorporated, but are the responsibility of Ingkerreke Outstations Resource Services to maintain.

Figure 4 shows the extent of water services at Hoppys.

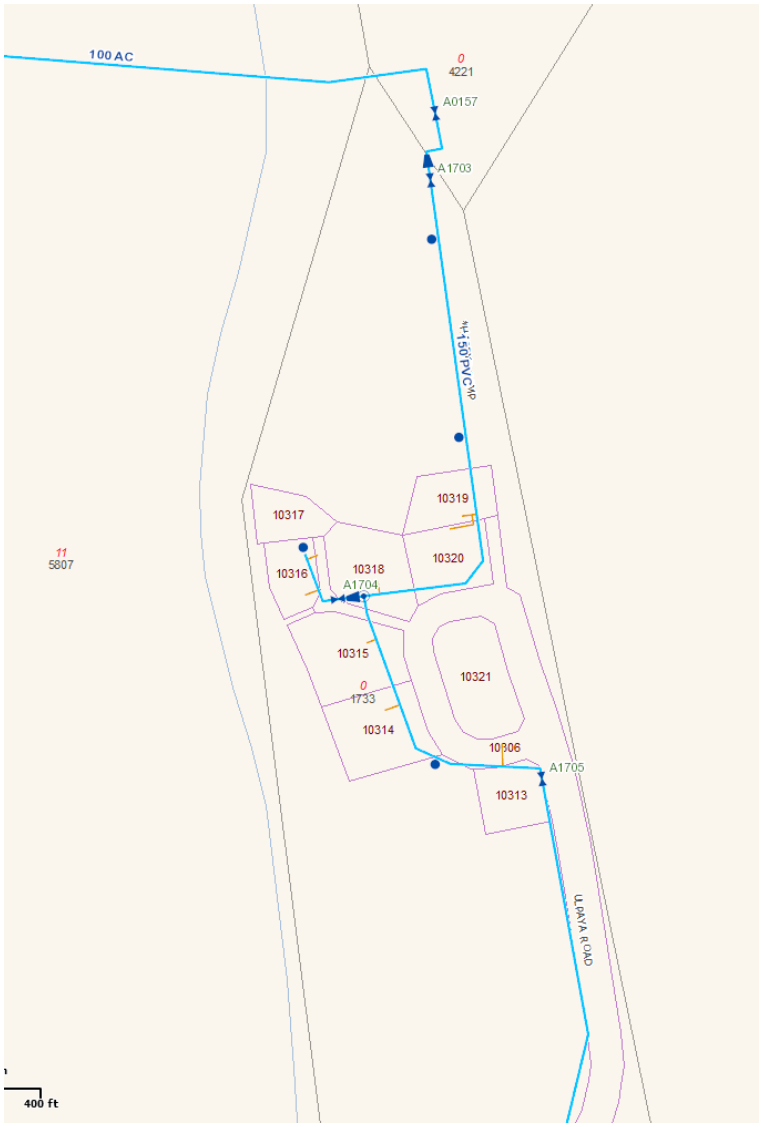


Figure 4 Hoppys water supply

6.1.1 Connection methods and bills

Through consultation with PWC, it has been determined that the water supply to Hoppys is currently charged using a fixed daily rate for a total of 19 lot water meters. The 19 lot water meters include connections to 16 houses, one community centre and two ablution blocks. The water bills for Hoppys are issued to the Department of Housing and Community Development. It is not known what contributions are made by the residents.

It is intended that upgrades are undertaken to isolate the water supply to the community which would allow PWC to measure usage for the entire community, as opposed to individual lots within the community. This would require the installation of a bypass main. It is expected that the installation of a bypass main is not economically viable. Therefore, the current practice of measuring water usage at lot meters is seen to be the most practical.

A total of four lot water meters were assessed during the inspection. Hoppys is understood to contain six dwellings. Therefore, up to an additional two water meters are required to be installed to cover the properties without an existing water meter. Note, some water meters may have been present however not visible due to overgrown flora or restricted property access. Consequently water meters may have not been discovered during the inspection.

6.2 Existing infrastructure assessment

The site investigation for the water infrastructure included assessing the condition of any air valves, fire hydrants, tanks, taps, and water meters. The assessment was limited to services that could be accessed above ground; no excavation of below ground services was undertaken.

The condition of each asset is as follows:

Table 4 Water asset condition assessment

Asset	1 Very Poor	2 Poor	3 Good	4 Very Good	5 Excellent	Total
Fire hydrant			2			2
Water meter (residential lots)		2	1	1		4



Figure 5 Fire hydrant, condition: *good*



Figure 6 Residential lot water meter condition: *poor*

Two lot meters were assessed as being in poor condition. One of the lot meters was in a small pit filled with grass and dirt and the pit lid was missing. The debris should be removed, and the lid replaced. The second water meter had loose sand covering the pit which should be cleared.

Minor maintenance work is needed for both fire hydrants which should have their covers repainted.

6.3 Current performance and risks

The current peak hour water demand supply was calculated based on the following design assumptions:

- The nominal peak day flow is 1300 L/capita/day, based on PWC's supplement to WSA 03 2002. This value is for the southern region of NT. It was assumed that the nominal peak day flow of 1300 L/capita/day also applies to water usage within the community, although it is possible that this value could be higher in real life due to a lack of controls to reduce water usage.
- The Equivalent Population (EP) has been calculated assuming one household equates to 9 EP, based on discussions with Power and Water Corporation.
- The peak hour factors are listed in PWC's Supplement to WSA 03-2002, and they depend on the population range of the community. The peak hour factor of 3.0 has been adopted, for populations less than 500.

Table 5 shows the peak hour demand calculated for Hoppys.

Table 5 Current water demand

Total dwellings	EP	Demand (l/s)	Peak hour demand (l/s)
6	54	0.81	2.43

Given the demand on the system is relatively low, it is expected that the network will supply adequate pressure throughout the community.

It should be noted that there are significant concerns with the existing layout since the water main that passes through the community is a town supply. The issues regarding safety concerns and access limitations Section 3 directly relevant to water network at Hoppys. It is recommended that an easement is created over these assets.

6.4 Future demands

The infrastructure that was assessed as very poor or poor is recommended to be upgraded to prevent failure in the future. The following maintenance works are recommended;

- Repaint two fire hydrants
- Clear debris from two lot meters

Upgrades to isolate the town camp water supply are highly recommended. With respect to the current water main layout, the simplest foreseeable method to isolate the community water supply from the main network is to install a bypass main. It is expected that this will come with significant cost and not be economically viable. Therefore, the recommended upgrades to the community water supply include;

- Install up to two new residential water meters

7 Roadworks

7.1 Ownership and boundaries

It is the current understanding that the road infrastructure at Hoppys Camp are owned by the Anthelk-Ewlpaye Association Incorporated, however is the responsibility of Ingkerreke Outstations Resource Services to maintain.

7.2 Existing infrastructure condition assessment

The road network within Hoppys community consists of a mix of sealed and unsealed roads. There are also numerous informal tracks which appear to be used frequently but are not covered in this inspection and report, these tracks can be seen in Figure 9.

Road furniture including signs were also inspected. Table 6 Roadworks condition assessment below summarise the condition of the road furniture as assessed during the site inspection.

Table 6 Roadworks condition assessment

Asset	1 Very Poor	2 Poor	3 Good	4 Very Good	5 Excellent	Total
Sign			1	1		2



Figure 7 Sign, condition: *good*



Figure 8 Sign, condition: *very good*



Figure 9 Community road network

Table 7 below details the condition of the roads within Hoppys community for specific segments. Figure 9 shows a map of the community's road network with the condition ratings, road name, and chainage direction.

Table 7 Road network condition assessment

Road name	Chainage start (km)	Chainage end (km)	Condition (1 to 5)	Defects and associated condition
Hoppys Camp	0.00	0.16	2	-10% of the road has surface failure where loose stones are encompassing 10 m^2 (2) -50% of the road has edge breaks (1) -6 significant potholes (1)

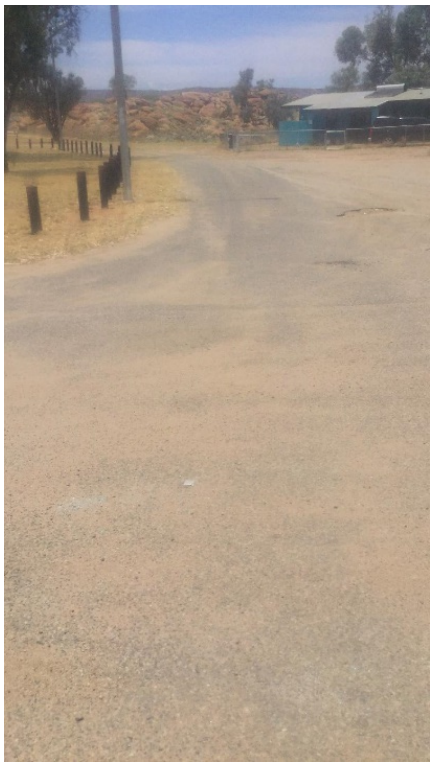


Figure 10 Pavement, condition: *poor*



Figure 11 Pothole, condition: *very poor*

7.3 Current performance and risks

The main road into Hoppys was rated as poor condition, there were significant edge breaks, potholes and the pavement surface was failing. As the road is failing, there may be more significant issues to do with the subgrade or drainage that will require remediation before the road can be resealed.

The layout of the road network is sufficient for the current number of houses, although there are informal driveways servicing a number of the houses as they are not directly off the main road.

It was noted during the site inspections that a number of unsealed 'short-cuts' had been created and were regularly used. It is not recommended that these paths are formalised.

It is also recommended that a road safety audit is undertaken to determine where signage, line marking, etc. are required.

7.4 Future demands

As no new developments are currently planned for the community, there are no additional upgrades required to cater for future demand.

7.5 Recommended works

The infrastructure that was assessed as very poor or poor is recommended to be upgraded to prevent failure in the future. The following works are recommended to upgrade the current infrastructure;

- Fill and reseal 6 potholes

- Repair 80m of edge breaks
- Total reseal of 80 m2 of pavement
- General clean of 160 m of pavement and road reserve

In order to allow for a longer term sustainable road network a significant upgrade would be required. It is recommended that a long term design which incorporates a full two lane road network, with all appropriate road furniture, line-marking, kerbs and gutters is constructed. A cost estimate to reinstate the base and subbase material, reseal with a two coat spray seal surface, construct subsoil drainage, line marking and signage has been included. Note that these works will need to be fully designed, the cost estimate is for budgetary purposes only and only indicates the construction phase. A footpath next to the road is also recommended to provide a safe trail for pedestrians.

As the maximum road width within the Hoppys community is 4.8 m, this means that all 160 m of the road network will need to be upgraded to a 7.2 m wide road. The stormwater drainage infrastructure upgrades that are closely associated with the road upgrade i.e. kerb and gutters, side entry pits and underground drainage pipes are included in the stormwater section of this report.

8 Stormwater drainage

8.1 Ownership and boundaries

The stormwater drainage infrastructure at Hoppys Camp is owned by the Anthelk-Ewlpaye Association Incorporated, however is the responsibility of Ingkerreke Outstations Resource Services to maintain.

8.2 Current performance and risks

The site investigation for the stormwater infrastructure included assessing the condition of swales, culverts, headwalls, and side entry pits (SEP). Only the above ground infrastructure was assessed. As the inspection was undertaken outside of a storm event and no CCTV of the pipes was undertaken, flooding due to blockages or damage to the underground infrastructure could not be assessed. Table 8 below summarises the condition of the stormwater assets as assessed during the inspection.

Table 8 Stormwater condition assessment

Asset	1 Very Poor	2 Poor	3 Good	4 Very Good	5 Excellent	Total
Culverts	1					1



Figure 12 Culvert headwall, condition: very poor

The culvert was in poor condition due to being completely blocked. It is recommended that the culvert is cleaned out and the swales reformed on both the upstream and downstream sides of the culvert to prevent future blockages.

The SIHIP program designed stormwater drainage for the community, however it appears as though the infrastructure has not been built.

8.3 Current performance and risks

The detailed performance of the stormwater network cannot be fully analysed without significant hydraulic and hydrodynamic modelling, which is outside the scope of this project.

The Alice Springs Town Council's general design philosophy for stormwater drainage is that the system is based on a network of sealed roads, kerb and gutters, side entry pits and underground drainage pipes, including grassed open channels and diversion drains. It is recommended that kerbs and gutters, side entry pits and underground pipes are installed to help reduce flooding in the community. The cost estimates allow for 300 m of stormwater drainage.

8.4 Future demands

As no new developments are currently planned for the community, there are no additional upgrades required to cater for future demand.

8.5 Recommended works

The following works are recommended to upgrade or improve the current infrastructure:

- Construct kerb and gutters, side entry pits, and underground drainage.
- Clear blockages from culvert and reshape swales upstream and downstream of culvert

9 Community structures

9.1 Ownership and boundaries

The community structures at Hoppys Camp is owned by the Anthelk-Ewlpaye Association Incorporated, however is the responsibility of Ingkerreke Outstations Resource Services to maintain.

9.2 Existing infrastructure condition assessment

The site investigation for the community structures included assessing the condition and features of playgrounds, basketball courts and shade structures. The following table shows the condition rating given to the community structures.

Table 9 Community structures condition assessment

Asset	1 Very Poor	2 Poor	3 Good	4 Very Good	5 Excellent	Total
Bubbler	1					1
Playground				1		1



Figure 13 Bubbler, condition: *very poor*



Figure 14 Playground, condition: *very good*

9.3 Current performance and risks

The playground is in good working order and only requires some general cleaning whereas the bubbler does not work and some maintenance will be required to identify the issue and resolve it.

9.4 Future demands

As no new developments are currently planned for the community, there are no additional upgrades required to cater for future demand.

9.5 Recommended works

The following works are recommended to upgrade the community structures:

- General clean around playground to remove any rubbish, graffiti and glass
- Conduct maintenance on bubbler to identify the issue and resolve it

10 Electrical services

10.1 Ownership and boundaries

The following points, from Network Policy NP003 Installation Rules Section3, define the typical shared ownership of electrical infrastructure by Power and Water Corporation (PWC) and customers.

- The point of supply is defined as the point where PWC makes the electrical supply available. For domestic supply, this is normally one of the following:
- A point of attachment of an overhead service on to a building or pole on which a metering panel is fitted.
- A point of attachment of an overhead service on to a pole forming part of unmetered aerial consumer's mains.
- A nominated point on a distribution substation located on the customer's lot.
- A point of connection of an underground service in a metering panel, including underground services originating at an overhead line.
- A point of connection of an underground service in a pillar or junction box forming part of unmetered consumer's mains, located on the customer's lot.
- A point on a Power and Water pillar located on the customer's lot.

Typically, distribution infrastructure upstream of the Point Of Supply is owned and maintained by PWC and infrastructure below the point of supply is owned and maintained by the customer.

In many cases PWC have defined a Point Of Supply to ensure that they retain responsibility for aerial high voltage infrastructure, and aerial low voltage infrastructure where installed with aerial high voltage infrastructure, to minimise the possibility of the community or it's contractors coming into contact, either deliberately or inadvertently, with aerial high voltage infrastructure.

In other cases isolation facilities are present or desired by PWC to define the Point of Supply at or near the boundary of the town camp.

PWC advise that most of Tennant Creek/Alice Springs Town Camps have undergone upgrades under the SIHIP program with the intent to normalise the services to look like an urban subdivision but have never been formally handed over to PWC for operations and maintenance.

The Hoppys community electrical reticulation systems is supplied from PWCs underground LV distribution network by underground mains cable with underground reticulation to meters of individual houses.

PWC advise that the Point Of Supply is the LV fuse to consumers' underground mains adjacent to North Stuart highway and upstream infrastructure.

PWC recommend that a GBS (Gas Break Switch) be provided upstream of the first transformer to establish a demarcation point.

PWC advise that street lighting is supplied from unmetered LV infrastructure and is the responsibility of the lot holder and not PWC.

All meters, whether pre- or post-paid are the property of PWC.

Hoppys community are responsible for maintain all unmetered and metered LV infrastructure including the main switchboard, metering panel (excluding meter), LV distribution feeders, distribution pillars, consumers' mains and consumer switchboards and street lights.

10.2 Existing infrastructure condition assessment

The Table 10 shows the condition rating given to the Distribution Panels. The distribution panels have major maintenance issues to address, Refer to Appendicies.

Table 10 Distribution panel condition assessment

Asset	1 Very Poor	2 Poor	3 Good	4 Very Good	5 Excellent	Total
Distribution panels		2				2

Table 11 shows the condition rating given to the street lights. The street lights were of a low voltage overhead and underground feeder design, sodium lamp type S50D and S70D, with lamp covers protected by cages. The street lights have an 85% operational rating and 15% un-operational rating.

Table 11 Street light condition assessment

Asset	1 Very Poor	2 Poor	3 Good	4 Very Good	5 Excellent	Total
Street light		2	5	6		13

Table 12 shows the condition rating given to the street lights. The street lights on OH poles were of a low voltage overhead feeder design, sodium lamp type S70D, with lamp covers protected by cages. The street lights have a 100% operational rating.

Table 12 Street light on O/H pole condition assessment

Asset	1 Very Poor	2 Poor	3 Good	4 Very Good	5 Excellent	Total
Street light on O/H pole			2			2

Table 13 shows the condition rating given to the Overhead poles. The overhead poles are of Weld Construction (Universal Pole construction) and steel LV construction. The overhead poles have 100% operational rating from the visual inspection.

Table 13 Overhead pole condition assessment

Asset	1 Very Poor	2 Poor	3 Good	4 Very Good	5 Excellent	Total
Overhead pole			2	2		4

Table 14 shows the condition rating given to the Metering panels. All assessed meters in this community are prepaid digital meters.

Table 14 Meter panel condition assessment

Asset	1 Very Poor	2 Poor	3 Good	4 Very Good	5 Excellent	Total
Pre-paid meter			2			2
Switchboard			1			1

Table 15 shows the condition rating given to the switchboards associated to dwellings.

Table 15 Switchboard condition assessment (housing footprint)

Asset	1 Very Poor	2 Poor	3 Good	4 Very Good	5 Excellent	Total
Switchboard			2			2

The details of the individual inspections and photographs of each piece of infrastructure are in Appendicies.

10.3 Current performance and risks

The electrical infrastructure evaluation was conducted against the following criteria

- Number of dwellings on tenure, the higher value of the funded dwelling and as quoted in the population report was utilised.
- Urban area, NP001.1, 4. Definitions.
- General Specification for URD Subdivisions, NP001.6, 4.3 Substation Size.
- Normal ADMD (After Diversity Maximum Demand) of 4.5 kVA and high cost subdivisions at 7 kVA.
- Transformer ratings were assumed to be correct in Dekho (PWC asset information system) and compared against photographs of test or transformer numbers collected.
- Substation loads were compared against transformer sizes only. No load flow analysis was conducted.
- No load calculations were performed or assessment conducted on overhead or underground cable, visual inspection from the ground only.
- Streetlighting loads were ignored as they are not significant.

There is no transformer within the boundary of the towncamp. An LV supply is provided from the Stuart Highway via underground consumers mains.

PWC advised upgrades may have occurred under the SIHIP program but electrical assets have not been formally handed over to PWC at this stage.

Table 16 Hoppys current demand load vs transformer ratings

Com Id	Community name	Dwellings	Transformer (kVA)	kVA Total @ 4.5kVA	kVA Total @ 7kVA
675	Hoppys	19		85.5	133

A tabulated summary of all community transformers is included in Appendicies.

There is a risk of equipment not being maintained associated with the non-standard division of responsibilities between the customer and PWC.

The following points from the PWC Metering Rules should be noted:

- The routine maintenance of metering installations and the replacement of any faulty meters is the responsibility of PWC.
- The property owners are responsible for the maintenance and upkeep of meter rooms, boxes and panels (including lids, doors and locking mechanisms).
- The installation of pre-paid metering is a cost to the customer, refer NP010 Meter Manual-Maintenance of Metering Installations, Power and Water Corporation.

10.4 Future demands

As no new developments are currently planned for the community, there are no additional upgrades required to cater for future demand.

10.5 Recommended works

A recommended detail audit to be performed to ascertain the exact reticulation and load demand.

The following maintenance works and upgrades are recommended:

- Replace two street lights 70W
- Replace two switchboards
- Install new street lighting - approximately 8 poles

11 Communications

11.1 Ownership and boundaries

Details of Telstra pit and conduit infrastructure within the town camp boundaries were sought but were not forthcoming.

11.2 Existing infrastructure condition assessment

The telecommunications infrastructure assessed included pits and telephone booths. There were no telecommunication pits found at Hoppys.

Appendicies contains the individual reports.

Table 17 Telephone booth condition assessment

Asset	1 Very Poor	2 Poor	3 Good	4 Very Good	5 Excellent	Total
Phone booth						1 (status unknown)

11.3 Current performance and risks

No details of the performance of communications infrastructure were obtained.

11.4 Future demands

The current availability of broadband services at Hoppys is displayed in the Figure 15 below. NBN is available to residents via a fixed telecommunication line on application to an appropriate NBN access provider.

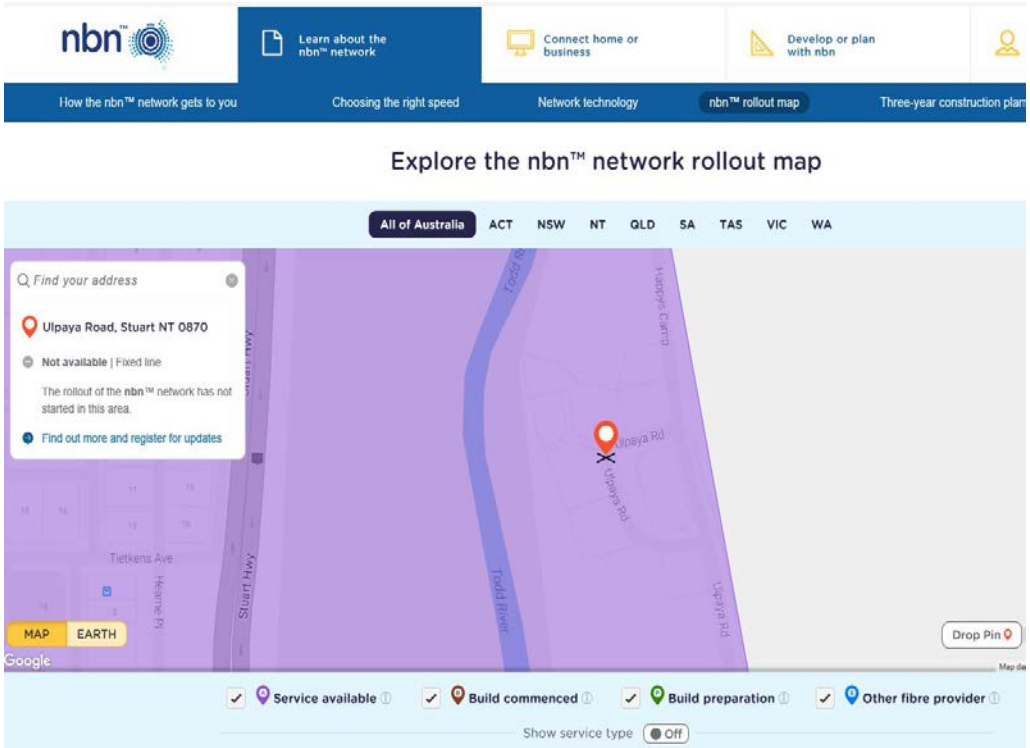


Figure 15 NBN network availability map

The NBN rollout map confirms that NBN is planned to be made available to residents via fixed telecommunications line on application to an appropriate NBN access provider.

11.5 Recommended works

No works are required at Hoppys because NBN is available to residents via fixed telecommunications line on application to an appropriate NBN access provider.

12 Cost estimates

Table 18 below shows a summary of the cost estimates to undertake the maintenance required to fix the existing infrastructure, to upgrade the existing network to meet current design standards, and to upgrade the existing network to cater for the future design (included in current upgrades). The estimates take into account a 30% contingency, are inclusive of GST. A location factor has been applied to town camps outside of Darwin.

Table 18 Cost estimates

Infrastructure	Maintenance of existing infrastructure	Upgrades to meet current design
Sewerage	$ 0	$ 741,000
Water supply	$ 1,000	$ 47,000
Roadworks	$ 25,000	$ 195,000
Stormwater drainage	$ 0	$ 372,000
Community structures	$ 9,000	$ 0
Electrical	$ 28,000	$ 114,000
Communications	$ 0	$ 0
Miscellaneous provisions	$ 17,000	$ 186,000
Total (including GST)	**$ 80,000**	**$ 1,655,000**
Grand total	**$ 1,735,000**	

The cost estimates are a preliminary estimate only. Since Aurecon has no control over the cost of labour, materials, equipment or services furnished by others, or over contractors' methods of determining prices, or over competitive bidding or market conditions, Aurecon cannot guarantee actual costs will not vary from these estimates.

13 Summary

The following works are recommended for Hoppys camp community:

Sewerage

- Construct new DN150 PVC reticulation main, including housing connections and manholes, within the road reserve, or within new sewer easements.
- Install new pump station to PWC standards and remove existing STEP system. This will require further engineering design.

Water supply

- Repaint two fire hydrants
- Clear debris from two lot meters
- Install up to two new residential water meters

Roadworks

- Fill and reseal six potholes
- Repair 80 m of edge breaks
- Total reseal of 80 m2 of pavement
- General clean of 160 m of pavement and road reserve
- It is recommended that the road is upgraded to a two lane network with all appropriate road furniture, line marking, kerbs, footpaths, etc.

Stormwater drainage

- Construct kerb and gutters, side entry pits, and underground drainage.
- Clear blockages from culvert and reshape swales upstream and downstream of culvert

Community structures

- General clean around playground to remove any rubbish, graffiti and glass
- Conduct maintenance on bubbler to identify the issue and resolve it

Electrical services

- Replace two street lights 70W
- Replace two switchboards
- Install new street lighting - approximately 8 poles

Communications

- No works are required because NBN is available to residents via fixed telecommunications line on application to an appropriate NBN access provider.

Civil inspection reports



Map by: DMcP P:\GIS\Projects\253963_NT_Town_Camps\253963_003_Civil_DDP.mxd 23/02/2017 12:02

Imagery: Digital Globe WV2 2013-2016

A3 scale: 1:2,000

0 20 40 60 80 100 m

Note:
Label numbers refer to survey IDs

Date: 23/02/2017 Version: 2

Coordinate system: MGA94 Zone 52

NT Town Camp Infrastructure Assessments: Sewerage

675 - Hoppys Camp (Alice Springs)

3127



Map by: DMcP P:\GIS\Projects\253963_NT_Town_Camps\253963_003_Civil_DDP.mxd 23/02/2017 12:02

Imagery: Digital Globe WV2 2013-2016

Legend

Town Camp boundary

Water

- Fire Hydrants (2)
- Water Meter (4)

A3 scale: 1:2,000

0 20 40 60 80 100 m

Note:
Label numbers refer to survey IDs

Date: 23/02/2017 Version: 2

Coordinate system: MGA94 Zone 52

NT Town Camp Infrastructure Assessments: Water

675 - Hoppys Camp (Alice Springs)

3128



Map by: DMcP P:\GIS\Projects\253963_NT_Town_Camps\253963_003_Civil_DDP.mxd 23/02/2017 12:02

Imagery: Digital Globe WV2 2013-2016

A3 scale: 1:2,000

0 20 40 60 80 100 m

Note:
Label numbers refer to survey IDs

Date: 23/02/2017 Version: 2

Coordinate system: MGA94 Zone 52

NT Town Camp Infrastructure Assessments
Road furniture, stormwater drainage & community structures
675 - Hoppys Camp (Alice Springs)

3129

Northern Territory Town Camps

Civil Infrastructure

Inspection Date 22/11/2016 11:33:52 AM

Insp ID: 955	Group 4 - Alice Springs	Hoppys

Inspection Type:	Bubblers
Leaking bubbler:	No
Bubbler Condition:	1 - Very Poor
Bubbler Comments:	Broken tap attached







Northern Territory Town Camps

Civil Infrastructure

Inspection Date 22/11/2016 12:00:47 PM

Insp ID: 948 Group 4 - Alice Springs Hoppys

Stormwater Infrastructure:	Culverts
Culvert Type:	RCBC
Diameter (mm):	
Width (mm):	300
Culvert Depth (mm):	
Culvert Length (m):	8.5
Culvert Condition:	1 - Very Poor
Culvert Blockage (%):	100
Culvert Comments:	Depth Unknown
Culvert Head Wall:	Yes
Safety Grate:	No
Headwall Blockage:	90
Headwall Condition:	2 - Poor
Headwall Comment:	
End Wall:	Yes
End Wall condition:	1 - Very Poor
EW Comment:	Entirely broken and blocked





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 22/11/2016 12:00:47 PM





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 22/11/2016 12:06:47 PM

Insp ID: 945	Group 4 - Alice Springs	Hoppys

What Water Asset Are you Capturing: Fire Hydrants

Single or Double:	Single
Sluice Valve:	No
Above or Below ground:	Below ground
FH Leakage:	No Access
Bollards around hydrant:	No
FH Condition:	3 - Good
FH Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 22/11/2016 11:22:44 AM

Insp ID: 958	Group 4 - Alice Springs	Hoppys

What Water Asset Are you Capturing: Fire Hydrants

Single or Double:	Single
Sluice Valve:	No
Above or Below ground:	Below ground
FH Leakage:	No Access
Bollards around hydrant:	No
FH Condition:	3 - Good
FH Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 22/11/2016 12:16:25 PM

Insp ID: 941	Group 4 - Alice Springs	Hoppys

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Round
Manhole Cover Diam (mm):	600
Manhole Length (mm):	
Manhole Width (mm):	
Manhole Condition:	3 - Good
Notes on Lid:	
Comments:	



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 22/11/2016 12:10:58 PM

Insp ID: 943 Group 4 - Alice Springs Hoppys

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Square
Manhole Cover Diam (mm):	
Manhole Length (mm):	600
Manhole Width (mm):	600
Manhole Condition:	3 - Good
Notes on Lid:	
Comments:	May be apart of a septic tank





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 22/11/2016 12:10:58 PM



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 22/11/2016 11:59:28 AM

Insp ID: 949	Group 4 - Alice Springs	Hoppys

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Round
Manhole Cover Diam (mm):	600
Manhole Length (mm):	
Manhole Width (mm):	
Manhole Condition:	3 - Good
Notes on Lid:	
Comments:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 22/11/2016 11:40:04 AM

Insp ID: 952	Group 4 - Alice Springs	Hoppys

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Rectangular
Manhole Cover Diam (mm):	
Manhole Length (mm):	1000
Manhole Width (mm):	700
Manhole Condition:	3 - Good
Notes on Lid:	Class d
Comments:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 22/11/2016 11:40:04 AM



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 22/11/2016 11:32:54 AM

Insp ID: 956	Group 4 - Alice Springs	Hoppys

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Round
Manhole Cover Diam (mm):	600
Manhole Length (mm):	
Manhole Width (mm):	
Manhole Condition:	3 - Good
Notes on Lid:	
Comments:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 22/11/2016 11:20:31 AM

Insp ID: 959	Group 4 - Alice Springs	Hoppys

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Round
Manhole Cover Diam (mm):	600
Manhole Length (mm):	
Manhole Width (mm):	
Manhole Condition:	3 - Good
Notes on Lid:	
Comments:	



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 22/11/2016 11:44:44 AM

Insp ID: 951 Group 4 - Alice Springs Hoppys

Road Name:	Hoppys Camp
What are you inspecting:	Pavements
Ch From (km):	0
Ch To (km):	0.16
Road Type:	Sealed - spray seal
Section Width (m):	4.8
Road Condition:	2 - Poor
General Comment:	Driveways in very poor condition

Road Defects Section

Defect Type	Defect QTY	Defect Condition	Defect Comments
Surfacing Failure	10	2 - Poor	Loose stones 10 m squared
Edge Breaks	50	1 - Very Poor	50 percent of road
Potholes	6	1 - Very Poor	

Kerbs Section

Kerb Type	Kerb Cond	Kerb Comments
Flush Kerb	2 - Poor	

Shoulders Section

Shoulder Type	Width	Dropoff(mm)	Erosion	Condition	Shoulder Comments
Unsealed		30		3	

Linemarking Section

Obstruction Section

Northern Territory Town Camps

Civil Infrastructure

Inspection Date 22/11/2016 11:44:44 AM









Northern Territory Town Camps

Civil Infrastructure

Inspection Date 22/11/2016 11:44:44 AM









Northern Territory Town Camps

Civil Infrastructure

Inspection Date 22/11/2016 11:44:44 AM









Northern Territory Town Camps

Civil Infrastructure

Inspection Date 22/11/2016 11:44:44 AM





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 22/11/2016 12:12:53 PM

Insp ID: 942 Group 4 - Alice Springs Hoppys

What Sewerage Asset are you capturing:	Pump Station
No of Pumps in Pump Station:	1
Cabinet Condition:	1 - Very Poor
Cabinet Comment:	
Alarm Light:	No
Alarm Light Condition:	
Overhead Light:	No
Overhead Light Condition:	
Light Comments:	
Davit Crane Present:	No
Davit Crane Capacity (kg):	
Davit Crane Condition:	
Davit Crane Comments:	
Fence TYPE:	Standard Security Fence (3 Strands barbed)
PS Fence Height (m):	1.8
PS Gates Locked:	Yes
PS Fence Condition:	5 - Excellent
Fence Comment:	
Flow meter type:	
Flow meter condition:	
Flow meter comments:	
Macerator Pump Make/Model:	
Manufacturers Date:	
Macerator Pump:	
Macerator Pump Condition:	
Macerator Pump Comments:	
Outgoing Pipe Diameter (mm):	
Valves:	
Outgoing Pipe Comments:	
Water Supply to pump station:	No
Fire hose reel:	No
Access cover locked:	
Safety grid beneath access cover:	

Northern Territory Town Camps

Civil Infrastructure

Inspection Date 22/11/2016 12:12:53 PM

Condition:

Cabinet Locked: No

Cabinet Lock Condition:

Hand rails around entrance:

Fixed or removable:

Rail Condition:

Safety Comments:

Pump Station Pumps section

Pump Capacity	Pump Make	Manufacture Date	Pump Chain	Condition	Comments
			No Access		





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 22/11/2016 12:12:53 PM





Northern Territory Camps

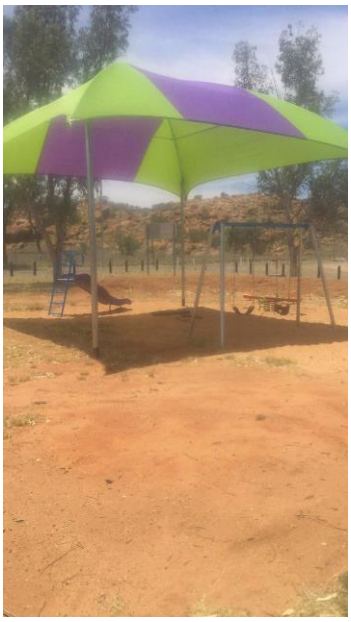
Civil Infrastructure

Inspection Date 22/11/2016 11:33:43 AM

Insp ID: 954 Group 4 - Alice Springs Hoppys

Inspection Type:	Shade Structure
Shade Structure Type:	Play ground
Shade Floor Type:	Sand
Roof Type:	Shadecloth
Width (mm):	7
Length (mm):	7
Appearance:	4
Appearance Comment:	
Condition:	4 - Very Good
Comment:	





Northern Territory Camps

Civil Infrastructure

Inspection Date 22/11/2016 11:33:43 AM



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 22/11/2016 12:04:40 PM

Insp ID: 946	Group 4 - Alice Springs	Hoppys

Road Name:

What are you inspecting: Signs

Type of Sign: Community signs

Sign Condition: 4 - Very Good

Sign Comment:

General Comment:



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 22/11/2016 12:00:30 PM

Insp ID: 947 Group 4 - Alice Springs Hoppys

Road Name:	Hoppys Camp
What are you inspecting:	Signs
Type of Sign:	Community signs
Sign Condition:	3 - Good
Sign Comment:	
General Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 22/11/2016 12:17:25 PM

Insp ID: 940	Group 4 - Alice Springs	Hoppys

What Water Asset Are you Capturing: Water Meter

Water Meter Type:	Lot
Bulk Water Meter Size (mm):	
Bulk Water Meter Condition:	
Bulk Water Meter Comment:	
Lot Number:	45
Lot Water Meter Size:	
Lot Water Meter Condition:	3 - Good
Lot Water Meter Comment:	



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 22/11/2016 12:08:01 PM

Insp ID: 944	Group 4 - Alice Springs	Hoppys

What Water Asset Are you Capturing: Water Meter

Water Meter Type:	Lot
Bulk Water Meter Size (mm):	
Bulk Water Meter Condition:	
Bulk Water Meter Comment:	
Lot Number:	41
Lot Water Meter Size:	
Lot Water Meter Condition:	4 - Very Good
Lot Water Meter Comment:	Buried lot meter, expected to be 20mm



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 22/11/2016 11:57:23 AM

Insp ID: 950 Group 4 - Alice Springs Hoppys

What Water Asset Are you Capturing: Water Meter

Water Meter Type:	Lot
Bulk Water Meter Size (mm):	
Bulk Water Meter Condition:	
Bulk Water Meter Comment:	
Lot Number:	
Lot Water Meter Size:	
Lot Water Meter Condition:	2 - Poor
Lot Water Meter Comment:	Mostly buried, Unknown lot, likely to be for area around playground





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 22/11/2016 11:37:51 AM

Insp ID: 953 Group 4 - Alice Springs Hoppys

What Water Asset Are you Capturing: Water Meter

Water Meter Type: Lot

Bulk Water Meter Size (mm):

Bulk Water Meter Condition:

Bulk Water Meter Comment:

Lot Number:

Lot Water Meter Size:

Lot Water Meter Condition: 2 - Poor

Lot Water Meter Comment:





Electrical inspection report



A3 scale: 1:2,000

0 20 40 60 80 100 m

Date: 23/02/2017 Version: 3

Coordinate system: MGA94 Zone 52

NT Town Camp Infrastructure Assessments: Electrical

675 - Hoppys Camp (Alice Springs)

Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 22/11/2016 12:46:55 PM

Insp ID: 533 Group 4 - Alice Springs Hoppys

What Category are you capturing:	Distribution Panel
What is Main Distribution Panel installation method:	Outdoor
Is the distribution panel labelled:	No
What is Distribution Panel main CB Rating:	
What is the main incoming cable type/Size to Distribution Panel:	
What is the condition of switchboard:	2
Condition Comments:	
What is the condition of cables/glands into switchboard:	
Cable/Gland Condition Comments:	
Distribution Panels name plate access:	No Access









Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 22/11/2016 12:46:55 PM





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 22/11/2016 12:34:09 PM

Insp ID: 536 Group 4 - Alice Springs Hoppys

What Category are you capturing:	Distribution Panel
What is Main Distribution Panel installation method:	Outdoor
Is the distribution panel labelled:	No
What is Distribution Panel main CB Rating:	
What is the main incoming cable type/Size to Distribution Panel:	
What is the condition of switchboard:	2
Condition Comments:	
What is the condition of cables/glands into switchboard:	
Cable/Gland Condition Comments:	
Distribution Panels name plate access:	No Access









Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 22/11/2016 12:34:09 PM





Northern Territory Town Camps

Communications Infrastructure

Inspection Date 22/11/2016 11:59:19 AM

Insp ID: 546	Group 4 - Alice Springs	Hoppys

What Comms Category are you capturing:	General
Telstra Comms Drawing Available:	No
Facility upgrade not in drawings:	NA
Which telecoms carriers are present in the town camp:	
How many Communications Pit(s) are allocated in this town camp:	







Northern Territory Town Camps

Electrical Infrastructure

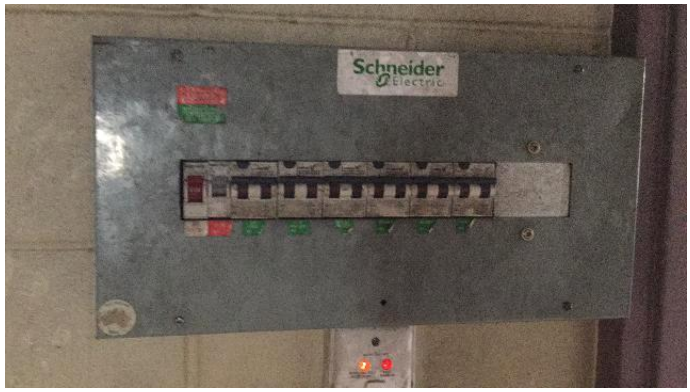
Inspection Date 17/01/2017 5:29:42 PM

Insp ID: 3591 Group 4 - Alice Springs Hoppys

What Category are you capturing: Electrical Meters

Meter Type:	Prepaid	
Meter Switchboard Cond:		
Meter Condition:	3	
Meter Comment:	Condition of CB not assessed.	Indoor SB, Cond 3
Comments:		





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 17/01/2017 5:21:33 PM

Insp ID: 3592 Group 4 - Alice Springs Hoppys

What Category are you capturing: Electrical Meters

Meter Type: Prepaid

Meter Switchboard Cond: 3

Meter Condition: 3

Meter Comment:

Comments:



Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 17/01/2017 4:58:47 PM

Insp ID: 3594	Group 4 - Alice Springs	Hoppys

What Category are you capturing: Electrical Meters

Meter Type: Electrical

Meter Switchboard Cond:

Meter Condition:

Meter Comment: Indoor SB, Cond 3

Comments:



Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 22/11/2016 12:56:23 PM

Insp ID: 531 Group 4 - Alice Springs Hoppys

What Category are you capturing:	Overhead Poles
What is Pole Material type:	Steel
What is the condition of pole:	4
How is the pole planted:	Concrete
What is the Condition of plant:	4
Is street light fitted:	No
Street Light Power Supply:	
Street Light Type	
Street Light Watts	
Street Light Condition	
Street Light Height	
What is the type of service:	Single
What is the HV voltage level:	
What is the arrangement of connected cables:	Twisted
Are there isolators on the pole:	No
What is the Condition:	
How many Lots are connected to this pole:	
Overhead Pole Comments:	

Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 22/11/2016 12:56:23 PM







Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 22/11/2016 12:43:09 PM

Insp ID: 534 Group 4 - Alice Springs Hoppys

What Category are you capturing:	Overhead Poles
What is Pole Material type:	Welded
What is the condition of pole:	3
How is the pole planted:	Direct
What is the Condition of plant:	3
Is street light fitted:	Yes
Street Light Power Supply:	
Street Light Type	S70 D14
Street Light Watts	70
Street Light Condition	3
Street Light Height	
What is the type of service:	Three
What is the HV voltage level:	
What is the arrangement of connected cables:	Parallel
Are there isolators on the pole:	Yes
What is the Condition:	3
How many Lots are connected to this pole:	
Overhead Pole Comments:	Overhead to underground transition

Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 22/11/2016 12:43:09 PM











Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 22/11/2016 12:38:42 PM

Insp ID: 535 Group 4 - Alice Springs Hoppys

What Category are you capturing:	Overhead Poles
What is Pole Material type:	Welded
What is the condition of pole:	3
How is the pole planted:	Direct
What is the Condition of plant:	3
Is street light fitted:	Yes
Street Light Power Supply:	
Street Light Type	S70 D14
Street Light Watts	70
Street Light Condition	3
Street Light Height	
What is the type of service:	Three
What is the HV voltage level:	
What is the arrangement of connected cables:	Parallel
Are there isolators on the pole:	Yes
What is the Condition:	3
How many Lots are connected to this pole:	
Overhead Pole Comments:	

Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 22/11/2016 12:38:42 PM











Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 22/11/2016 12:31:40 PM

Insp ID: 537 Group 4 - Alice Springs Hoppys

What Category are you capturing:	Overhead Poles
What is Pole Material type:	Steel
What is the condition of pole:	4
How is the pole planted:	Concrete
What is the Condition of plant:	3
Is street light fitted:	No
Street Light Power Supply:	
Street Light Type	
Street Light Watts	
Street Light Condition	
Street Light Height	
What is the type of service:	Single
What is the HV voltage level:	
What is the arrangement of connected cables:	Twisted
Are there isolators on the pole:	
What is the Condition:	
How many Lots are connected to this pole:	
Overhead Pole Comments:	Underground to overhead connection

Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 22/11/2016 12:31:40 PM







Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 22/11/2016 12:43:09 PM

Insp ID: 534	Group 4 - Alice Springs	Hoppys

What Category are you capturing:	Overhead Poles
Is street light fitted:	Yes
Street Light Power Supply:	
Street Light Type	S70 D14
Street Light Watts	70
Street Light Condition	3
Street Light Height	









Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 22/11/2016 12:43:09 PM



Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 22/11/2016 12:38:42 PM

Insp ID: 535 Group 4 - Alice Springs Hoppys

What Category are you capturing:	Overhead Poles
Is street light fitted:	Yes
Street Light Power Supply:	
Street Light Type	S70 D14
Street Light Watts	70
Street Light Condition	3
Street Light Height	





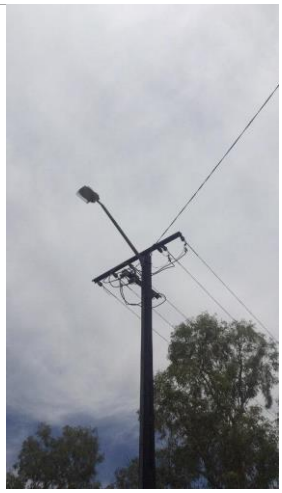




Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 22/11/2016 12:38:42 PM



Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 22/11/2016 1:00:54 PM

Insp ID: 529 Group 4 - Alice Springs Hoppys

What Category are you capturing: Street Light

What is power supply method: Overhead

What is the lamp type:

What Wattage is the lamp:

What is the condition of street lights: 3

What is Street Lighting pole installation height (approximate): 8







Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 22/11/2016 12:58:41 PM

Insp ID: 530	Group 4 - Alice Springs	Hoppys

What Category are you capturing:	Street Light
What is power supply method:	Underground
What is the lamp type:	S50
What Wattage is the lamp:	
What is the condition of street lights:	3
What is Street Lighting pole installation height (approximate):	6









Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 22/11/2016 12:53:30 PM

Insp ID: 532	Group 4 - Alice Springs	Hoppys

What Category are you capturing:	Street Light
What is power supply method:	Underground
What is the lamp type:	S50 04
What Wattage is the lamp:	50
What is the condition of street lights:	2
What is Street Lighting pole installation height (approximate):	6





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 22/11/2016 12:29:37 PM

Insp ID: 538 Group 4 - Alice Springs Hoppys

What Category are you capturing:	Street Light
What is power supply method:	Overhead
What is the lamp type:	S70 D14
What Wattage is the lamp:	70
What is the condition of street lights:	4
What is Street Lighting pole installation height (approximate):	8







Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 22/11/2016 12:25:42 PM

Insp ID: 539 Group 4 - Alice Springs Hoppys

What Category are you capturing: Street Light

What is power supply method: Underground

What is the lamp type:

What Wattage is the lamp:

What is the condition of street lights: 3

What is Street Lighting pole installation height (approximate): 6







Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 22/11/2016 12:24:24 PM

Insp ID: 540 Group 4 - Alice Springs Hoppys

What Category are you capturing:	Street Light
What is power supply method:	Overhead
What is the lamp type:	S70 D14
What Wattage is the lamp:	70
What is the condition of street lights:	4
What is Street Lighting pole installation height (approximate):	8







Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 22/11/2016 12:21:59 PM

Insp ID: 541 Group 4 - Alice Springs Hoppys

What Category are you capturing:	Street Light
What is power supply method:	Overhead
What is the lamp type:	S70 D11
What Wattage is the lamp:	70
What is the condition of street lights:	4
What is Street Lighting pole installation height (approximate):	8







Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 22/11/2016 12:19:59 PM

Insp ID: 542 Group 4 - Alice Springs Hoppys

What Category are you capturing:	Street Light
What is power supply method:	Overhead
What is the lamp type:	S70 D11
What Wattage is the lamp:	
What is the condition of street lights:	4
What is Street Lighting pole installation height (approximate):	8







Northern Territory Town Camps

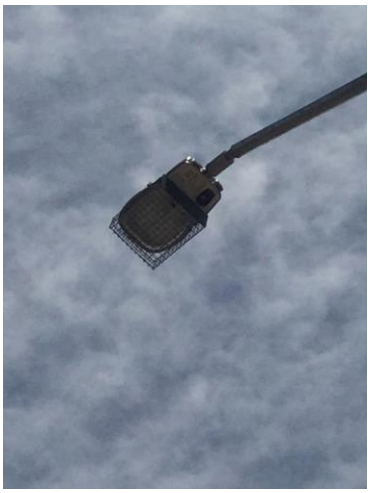
Electrical Infrastructure

Inspection Date 22/11/2016 12:18:01 PM

Insp ID: 543 Group 4 - Alice Springs Hoppys

What Category are you capturing:	Street Light
What is power supply method:	Overhead
What is the lamp type:	S70 D11
What Wattage is the lamp:	70
What is the condition of street lights:	4
What is Street Lighting pole installation height (approximate):	8







Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 22/11/2016 12:04:04 PM

Insp ID: 545 Group 4 - Alice Springs Hoppys

What Category are you capturing:	Street Light
What is power supply method:	Overhead
What is the lamp type:	S70 D 11
What Wattage is the lamp:	70
What is the condition of street lights:	4
What is Street Lighting pole installation height (approximate):	8





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 22/11/2016 11:56:36 AM

Insp ID: 547	Group 4 - Alice Springs	Hoppys

What Category are you capturing:	Street Light
What is power supply method:	Underground
What is the lamp type:	
What Wattage is the lamp:	
What is the condition of street lights:	2
What is Street Lighting pole installation height (approximate):	6







Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 22/11/2016 11:55:53 AM

Insp ID: 548 Group 4 - Alice Springs Hoppys

What Category are you capturing:	Street Light
What is power supply method:	Underground
What is the lamp type:	
What Wattage is the lamp:	
What is the condition of street lights:	3
What is Street Lighting pole installation height (approximate):	6







Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 22/11/2016 11:52:04 AM

Insp ID: 549 Group 4 - Alice Springs Hoppys

What Category are you capturing:	Street Light
What is power supply method:	Underground
What is the lamp type:	
What Wattage is the lamp:	
What is the condition of street lights:	3
What is Street Lighting pole installation height (approximate):	6





Road map

Hoppys Camp

Ujpaya Road

Legend

- Start of road

Road_Condition

- 1-Very poor
- 2-Poor
- 3-Good
- 4-Very good
- 5-Excellent
- Town Camp boundary

Map by: DMcP P:\GIS\Projects\253963_NT_Town_Camps\253963_003_Roads_DDP2.mxd 11/02/2017 17:17 Imagery: copyright DigitalGlobe WV 2

A3 scale: 1:2,000

0 20 40 60 80 100 m

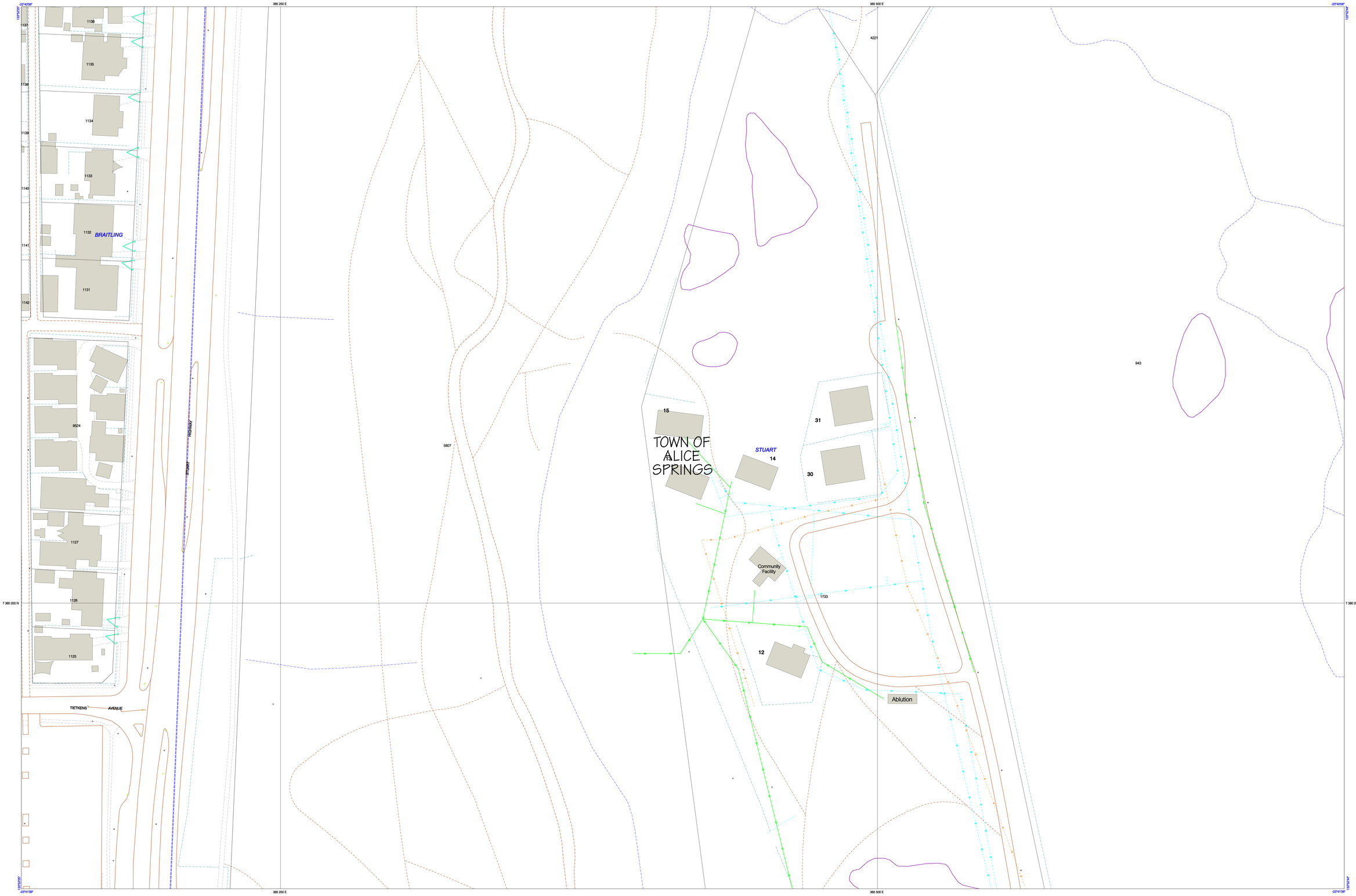
Date: 11/02/2017 Version: 1

Coordinate system: GDA 1994

NT Town Camp Road Assessments

675 - Hoppys Camp (Alice Springs)

Existing drawings



LAND USE PLANNING:

APPROX. POSITION OF BUILDING constructed since date of photography

LAND EXCLUDED FROM DEVELOPMENT

GENERAL EXCLUSION/BUFFERS

CULTURAL EXCLUSION AREAS:

Unauthorised entry, works on or use of land where there is a sacred site is an offence under the Northern Territory Aboriginal Sacred Sites Act. For conditions relating to works on or use of land within a Cultural Exclusion Area contact the Aboriginal Areas Protection Authority (AAPA) email enquiries.aapa@nt.gov.au or phone 8999 4332.

This advice does not negate the need for consent for entry, works, or use which may be required under the Aboriginal Land Rights(NT) Act (in the case of Aboriginal land), or another statute.

© NORTHERN TERRITORY OF AUSTRALIA

CADASTRE

Current 123

Proposed 123

Locality LOCALITY

UTILITY SERVICES

ELECTRICITY

LOW VOLTAGE LV

HIGH VOLTAGE HV

WATER RETICULATION

WATER MAIN W

WATER RISING MAIN W

SEWER S

SEWER MAIN S S

SEWER RISING MAIN

DIAL BEFORE YOU DIG 1100
WWW.1100.com.au

LEGEND

TOPOGRAPHY

Road Sealed, Bridge

Road Unsealed, Track

Footpath, Drain, Culvert

Wall, Gate, Fence, Cattle Grid

Railway, Disused Railway

Aerodrome Tarmac, Landing Strip

Taxiway, Apron

Pipeline: Oil, Water, Undetermined Gas, Sewage

Building, Building-Shape unconfirmed

Shade Structure, Incomplete Building

Sewage Ponds, Tailings Pond

Oval, Arena, Swimming Pool

High Water Mark, Low Water Mark

Mine; Quarry, Surface Excavation

Contour; Index, Intermediate 25

Contour; Depression

Top of Bank, Bottom of Bank, Cliff

Watercourse; Perennial, Intermittent, Channel or Canal

WaterBodies; Perennial, Intermittant

WaterBodies; Reservoir, Water Hole

Swamp; Swamp Perennial, Swamp Intermittent

Flat, Mud Flat, Clay/Saltpan, ST1

Pole; Power, General, Light

Tank; Water, Elevated, Non-Water, Silo

Manhole, Pylon, Communication Tower, Bore.

AVAILABLE FROM AND PRODUCED BY:

Northern Territory Government

NOTES:

POWER POLES, MANHOLES, SEPTIC TANKS, TOWERS/POSTS and other similar shaped objects are captured from Aerial Photography and have their locations confirmed from Ground Surveys where possible. These features are suitable as LOCAL SURVEY CONTROL. Their ground location is expected to be within +/-0.3m of their mapped location.

DIAL BEFORE YOU DIG phone 1100 (freecall) or www.1100.com.au

For water, sewer, and power information and connection requirements for developments contact Power and Water Corporation, Indigenous Community Development on 1800 245 092, and visit http://www.powerwater.com.au/business

General enquiries, corrections, updates, errors and omissions:
Indigenous Community Land Use Planning, NT Dept of Lands and Planning
TEL: (08) 8999 1300, FAX: (08) 8999 7189, Email: planning@nt.gov.au

This product is a compilation of data holdings from (but not restricted to) NT Dept of Lands and Planning, NT Dept of Housing, Local Government and Regional Services, Power and Water Corporation and Aboriginal Areas Protection Authority.
Whilst every effort has been made to ensure the accuracy of this map, errors and omissions may occur.
No Warranty is given concerning the accuracy of the information herein. Users should refer to the originating bodies or departments regarding the accuracy and currency of the data.

Topographic information:
Land Information Section
Dept of Lands and Planning
TEL: (08) 8995 5331, FAX: (08) 8995 5386
Email: landinfo.dpl@nt.gov.au

Aboriginal Areas Protection Authority:
The Registrar
Aboriginal Areas Protection Authority
TEL: (08) 8999 4332
Email: enquiries.aapa@nt.gov.au

Cadastral information:
Office of the Surveyor-General
Dept of Lands and Planning
TEL: (08) 8995 5305, FAX: (08) 8995 5395
Email: landinfo.dpl@nt.gov.au

Planning Information:
Indigenous Community Land Use Planning
Dept of Lands and Planning
TEL: (08) 8999 1300, FAX: (08) 8999 7189
Email: planning@nt.gov.au

Power, Water or Sewer information:
Remote Operations Planning Branch
Power and Water Corporation
TEL: (08) 8924 5394, FAX: (08) 8924 5360

Housing Infrastructure Information:
Infrastructure Unit
Dept of Local Government, and Regional Services
TEL: (08) 8995 5013, FAX: (08) 8995 5110
Email: lee.dilger@nt.gov.au

SOURCE INFORMATION

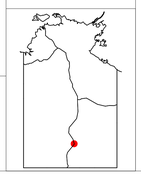
CONTOUR INTERVAL :		CURRENCY OF TOPOGRAPHY :	10 June 2007
HORIZONTAL DATUM :		SOURCE MAP SCALE :	2500
VERTICAL DATUM :		ZONE UTM :	53
PROJECTION :	Transverse Mercator	DATE GENERATED :	19 June 2012

N

0 10 20 30 40 50

GDA

Locality Diagram



SERVICED LAND AVAILABILITY PROGRAM

SLAP Map

Hoppys Camp

Alice Springs Town Camp

Alice Springs Town Council

Community ID: 675

SEWER ACCESS CHAMBER SET OUT COORDINATES TABLE

AC#	EASTING	NORTHING
1/1	4126.336	5200.602
2/1	4103.630	5288.410
3/1	4104.393	5364.406
4/1	4072.949	5365.134
5/1	4068.670	5413.471
6/1	3993.085	5407.115
7/1	3925.978	5401.472
8/1	3878.183	5396.024
9/1	3778.257	5399.879
10/1	3732.177	5407.257
11/1	3678.745	5421.441
12/1	3626.858	5439.697
13/1	3556.076	5485.892
14/1	3472.859	5541.343
15/1	3482.043	5606.137
16/1	3469.321	5654.439
17/1	3442.980	5696.914
18/1	3427.679	5744.493
19/1	3414.177	5838.399
20/1	3384.735	5868.771

AC#	EASTING	NORTHING
21/1	3369.274	5894.480
22/1	3333.409	5954.118
23/1	3337.775	6018.460
24/1	3316.696	6071.761
25/1	3279.883	6153.888
26/1	3302.258	6164.824
27/1	3339.251	6154.449
28/1	3383.000	6175.736
29/1	3366.865	6274.466
1/2	3688.392	5461.239
1/3	3632.864	5516.379
2/3	3613.729	5544.977
3/3	3550.234	5593.915
1/4	3392.370	5930.525
1/5	3365.421	6091.031
2/5	3369.388	6092.599
3/5	3376.031	6060.777
1/6	3353.028	6129.192
1/7	3272.734	6169.837
2/7	3269.679	6192.546
1/1A	4092.518	5424.885

CONSTRUCTION NOTES

1. R.L. SHOWN FOR TOP OF MAINTENANCE HOLE IS INDICATIVE ONLY. FINAL LEVEL TO BE DETERMINED ON-SITE TO SUIT THE SURROUNDING FINISHED SURFACE LEVELS.
2. TMS => TERMINAL MAINTENANCE SHAFT WITH HEAVY DUTY COVER REFER STD. DRG. No. W2-1-06
3. CRD => NEW CAST IN-SITU BASE, 1200 DIA CIRCULAR MAINTENANCE HOLE RECTANGULAR HEAVY DUTY LID
4. ALL NEW & EXISTING INSPECTION OPENING COVERS TO BE HEAVY DUTY.
5. ALL NEW SEWER ACCESS CHAMBER'S COORDINATE POINTS REFER TO CENTER OF ACCESS CHAMBER.

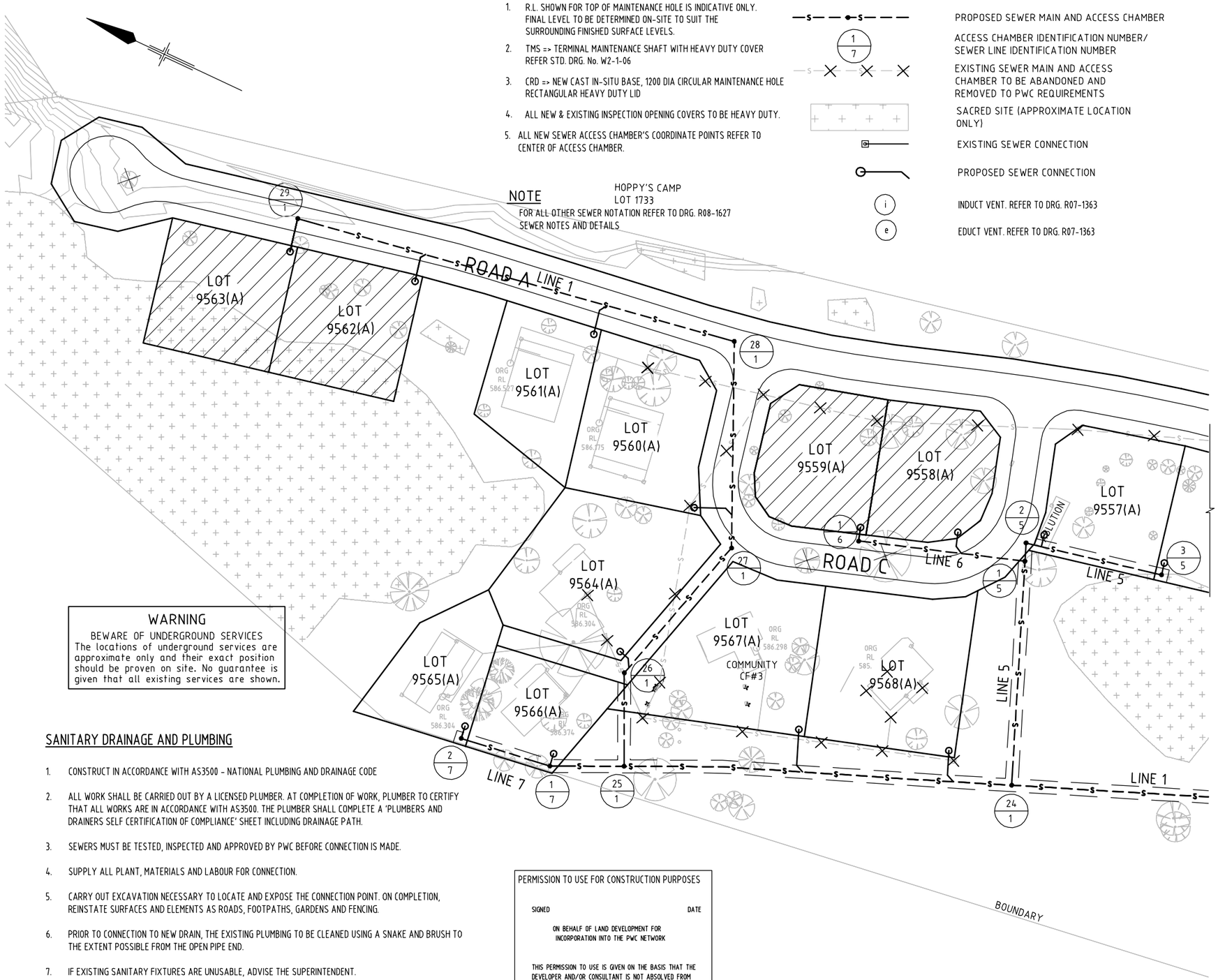
LEGEND

- PROPOSED SEWER MAIN AND ACCESS CHAMBER
- 1/7 — ACCESS CHAMBER IDENTIFICATION NUMBER/ SEWER LINE IDENTIFICATION NUMBER
- EXISTING SEWER MAIN AND ACCESS CHAMBER TO BE ABANDONED AND REMOVED TO PWC REQUIREMENTS
- SACRED SITE (APPROXIMATE LOCATION ONLY)
- EXISTING SEWER CONNECTION
- PROPOSED SEWER CONNECTION
- i — INDUCT VENT. REFER TO DRG. R07-1363
- e — EDUCT VENT. REFER TO DRG. R07-1363

NOTE

HOPPY'S CAMP
LOT 1733

FOR ALL OTHER SEWER NOTATION REFER TO DRG. R08-1627 SEWER NOTES AND DETAILS



WARNING

BEWARE OF UNDERGROUND SERVICES
The locations of underground services are approximate only and their exact position should be proven on site. No guarantee is given that all existing services are shown.

SANITARY DRAINAGE AND PLUMBING

1. CONSTRUCT IN ACCORDANCE WITH AS3500 - NATIONAL PLUMBING AND DRAINAGE CODE
2. ALL WORK SHALL BE CARRIED OUT BY A LICENSED PLUMBER. AT COMPLETION OF WORK, PLUMBER TO CERTIFY THAT ALL WORKS ARE IN ACCORDANCE WITH AS3500. THE PLUMBER SHALL COMPLETE A 'PLUMBERS AND DRAINERS SELF CERTIFICATION OF COMPLIANCE' SHEET INCLUDING DRAINAGE PATH.
3. SEWERS MUST BE TESTED, INSPECTED AND APPROVED BY PWC BEFORE CONNECTION IS MADE.
4. SUPPLY ALL PLANT, MATERIALS AND LABOUR FOR CONNECTION.
5. CARRY OUT EXCAVATION NECESSARY TO LOCATE AND EXPOSE THE CONNECTION POINT. ON COMPLETION, REINSTATE SURFACES AND ELEMENTS AS ROADS, FOOTPATHS, GARDENS AND FENCING.
6. PRIOR TO CONNECTION TO NEW DRAIN, THE EXISTING PLUMBING TO BE CLEANED USING A SNAKE AND BRUSH TO THE EXTENT POSSIBLE FROM THE OPEN PIPE END.
7. IF EXISTING SANITARY FIXTURES ARE UNUSABLE, ADVISE THE SUPERINTENDENT.
8. EXISTING SANITARY DRAINAGE SHOWN IS APPROXIMATE ONLY FROM SITE PLUMBERS ADVICE AND MUST BE CONFIRMED UPON EXCAVATION.

PERMISSION TO USE FOR CONSTRUCTION PURPOSES

SIGNED DATE

ON BEHALF OF LAND DEVELOPMENT FOR INCORPORATION INTO THE PWC NETWORK

THIS PERMISSION TO USE IS GIVEN ON THE BASIS THAT THE DEVELOPER AND/OR CONSULTANT IS NOT ABSOLVED FROM FULL RESPONSIBILITY FOR THE CORRECTNESS AND ACCURACY OF THE DESIGN AND/OR DOCUMENTS SO ASSOCIATED

SCALE: 0 5 10 15 20 25m
SCALE 1:500 AT ORIGINAL SIZE

G:\43\21040\CADD\Drawings\DWG\43-21040-C024-C027_R07-1091-R07-1094.dwg

No.	DESCRIPTION	DATE	INIT.
B	ISSUED FOR APPROVAL	9/03/07	B.S
A	ISSUED FOR 90 % REVIEW	19/12/06	B.S

AMENDMENTS

PowerWater NORTHERN TERRITORY

GHD
Suite 5, GHD Building, 82 Todd Street Alice Springs NT 0870
PO Box 3744 Alice Springs NT 0871
T 61 8 8958 3200 F 61 8 8958 3201
E aspmail@ghd.com.au W www.ghd.com.au

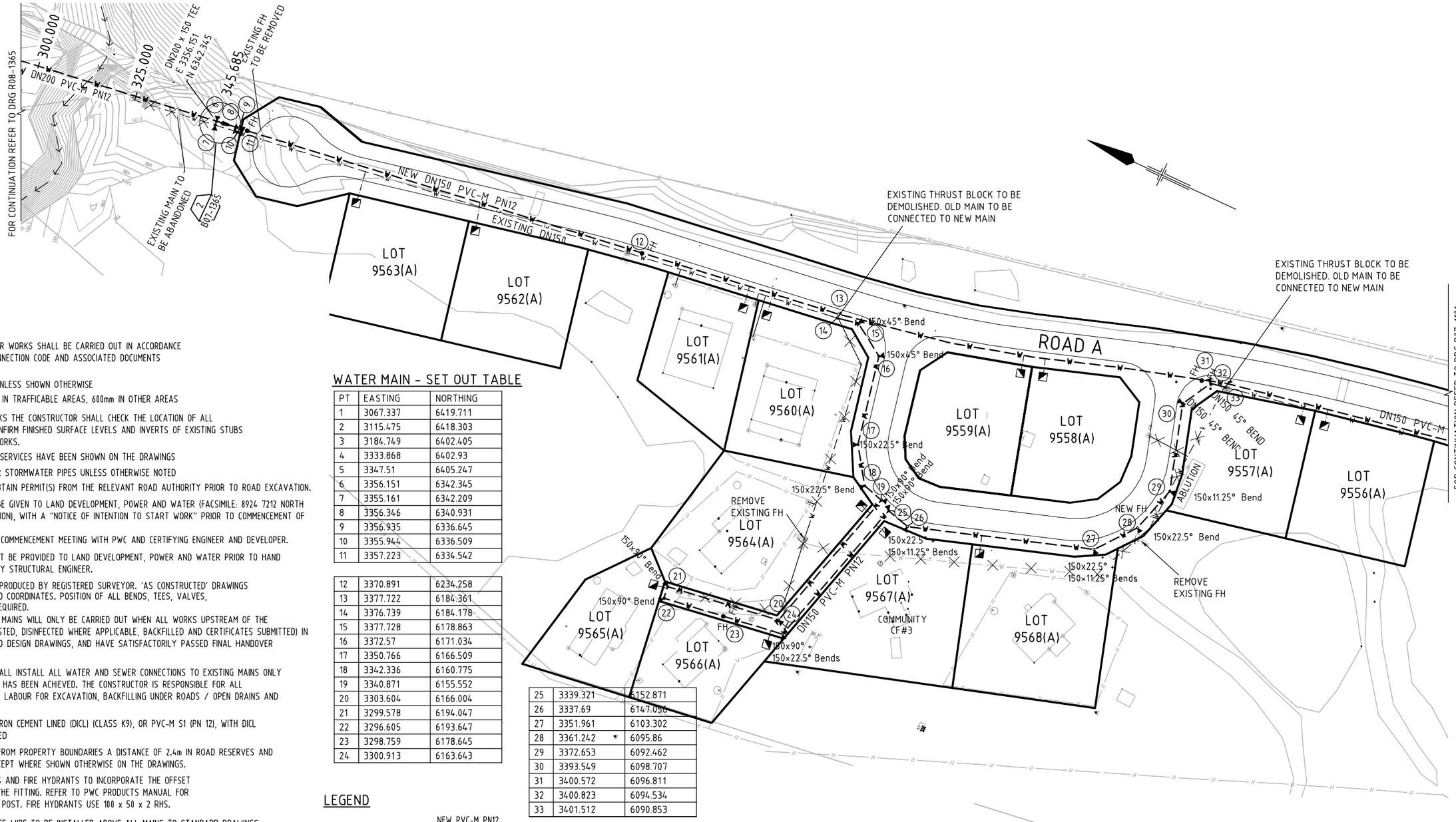
DRAWN	B.S	CHECKED	
DATE	17/11/2006	DATE	
DESIGNED	T.L	CHECKED	
DATE	17/11/2006	DATE	
DESIGN PROJECT LEADER		PROJECT OFFICER	
DATE		DATE	

Northern Territory Government
Department of Planning and Infrastructure

ALICE SPRINGS
CONNECTING NEIGHBOURS PROGRAM
UPGRADE WORKS FOR CHARLES CREEK, HOPPY'S AND KUNOTH AULA'S

SEWER SERVICES PLAN SHEET 1 OF 4

FILE No.	ASSET No.	SHEET No.	DRAWING No.	AMEND.	SHEET SIZE
43-21040	-	24 OF 49	R07-1091	B	A1



NOTES

1. DESIGN & CONSTRUCTION OF WATER WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE POWER AND WATER CONNECTION CODE AND ASSOCIATED DOCUMENTS
2. ALL LEVELS GIVEN ARE TO AHD
3. ALL DIMENSIONS ARE IN METRES UNLESS SHOWN OTHERWISE
4. MINIMUM COVER TO PIPE IS 750mm IN TRAFFICABLE AREAS, 600mm IN OTHER AREAS
5. PRIOR TO COMMENCEMENT OF WORKS THE CONSTRUCTOR SHALL CHECK THE LOCATION OF ALL UNDERGROUND SERVICES, AND CONFIRM FINISHED SURFACE LEVELS AND INVERTS OF EXISTING STUBS TO BE INCORPORATED INTO THE WORKS.
6. IT'S NOT GUARANTEED THAT ALL SERVICES HAVE BEEN SHOWN ON THE DRAWINGS
7. WATER MAIN SHALL BE LAID OVER STORMWATER PIPES UNLESS OTHERWISE NOTED
8. CONTRACTOR TO PAY FOR AND OBTAIN PERMIT(S) FROM THE RELEVANT ROAD AUTHORITY PRIOR TO ROAD EXCAVATION.
9. SEVEN (7) DAYS NOTICE HAS TO BE GIVEN TO LAND DEVELOPMENT, POWER AND WATER (FACSIMILE: 8924 7212 NORTH REGION & 8951 7347 - SOUTH REGION), WITH A "NOTICE OF INTENTION TO START WORK" PRIOR TO COMMENCEMENT OF WORKS.
   CONTRACTOR TO ARRANGE A PRE COMMENCEMENT MEETING WITH PWC AND CERTIFYING ENGINEER AND DEVELOPER.
10. 'AS CONSTRUCTED' DRAWINGS MUST BE PROVIDED TO LAND DEVELOPMENT, POWER AND WATER PRIOR TO HAND OVER INSPECTION AND CERTIFIED BY STRUCTURAL ENGINEER.
11. AS CONSTRUCTED SURVEY TO BE PRODUCED BY REGISTERED SURVEYOR. 'AS CONSTRUCTED' DRAWINGS REQUIRED TO MGA 94 AND TO AHD COORDINATES. POSITION OF ALL BENDS, TEES, VALVES, FIRE HYDRANTS AND LINE ENDS REQUIRED.
12. CONNECTIONS TO EXISTING WATER MAINS WILL ONLY BE CARRIED OUT WHEN ALL WORKS UPSTREAM OF THE CONNECTION ARE COMPLETE (IE TESTED, DISINFECTED WHERE APPLICABLE, BACKFILLED AND CERTIFICATES SUBMITTED) IN ACCORDANCE WITH THE APPROVED DESIGN DRAWINGS, AND HAVE SATISFACTORILY PASSED FINAL HANDOVER INSPECTION.
13. POWER AND WATER PERSONAL SHALL INSTALL ALL WATER AND SEWER CONNECTIONS TO EXISTING MAINS ONLY AFTER ACCEPTANCE OF THE WORK HAS BEEN ACHIEVED. THE CONSTRUCTOR IS RESPONSIBLE FOR ALL CONNECTION FEES, MATERIALS AND LABOUR FOR EXCAVATION, BACKFILLING UNDER ROADS / OPEN DRAINS AND REINSTATEMENT.
14. WATER PIPES SHALL BE DUCTILE IRON CEMENT LINED (DICL) (CLASS K9), OR PVC-M S1 (PN 12), WITH DICL FITTINGS, UNLESS OTHERWISE NOTED
15. WATER MAINS SHALL BE OFFSET FROM PROPERTY BOUNDARIES A DISTANCE OF 2.4m IN ROAD RESERVES AND 1.5m IN PRIVATE PROPERTY, EXCEPT WHERE SHOWN OTHERWISE ON THE DRAWINGS.
16. MARKED POSTS FOR STOP VALVES AND FIRE HYDRANTS TO INCORPORATE THE OFFSET DISTANCE FROM THE MARKER TO THE FITTING. REFER TO PWC PRODUCTS MANUAL FOR DETAILS OF 75 x 75 SHS MARKER POST. FIRE HYDRANTS USE 100 x 50 x 2 RHS.
17. MARKED TAPE AND 1.6mm SS TRACE WIRE TO BE INSTALLED ABOVE ALL MAINS TO STANDARD DRAWINGS .
18. 1.6mm SS TRACE WIRE IS NOT INTEGRAL WITH THE MARKER TAPE. TRACE WIRE IS TO BE JOINTED WITH PURPOSE MADE LUGS FOR FULL ELECTRICAL CONTINUITY AND TESTED AT COMPLETION OF WORKS. TRACE WIRE IS TO BE LOOPED TO THE SURFACE AT ALL HYDRANTS AND STOP VALVES, ITS LOCATION TO BE SUCH THAT IT DOES NOT INTERFERE WITH THE OPERATION OF THE VALVES OR HYDRANTS.
19. ALL PIPE BEDDING TO BE TYPE 1 UNLESS NOTED OTHERWISE.
20. FOR DN 100 - 225 THRUST BLOCK DETAILS REFER PWC STD W1-2-05.
    FOR DN 300 REFER WATER SERVICES AUSTRALIA ETD DWG WAT-1205.
21. EXISTING SERVICE CONNECTIONS TO BE DECOMMISSIONED & NEW METERS INSTALLED TO PWC STANDARDS. READITAP CONNECTORS ARE TO BE USED FOR ALL LOT SERVICE CONNECTIONS.
22. WHERE ELECTRIC CABLES CROSS WATER MAINS, CONCRETE PROTECTION REQUIRED OVER ELECT. CABLES I m EACH SIDE OF WATER MAIN CROSSING ROVI.

WATER MAIN - SET OUT TABLE

PT	EASTING	NORTHING
1	3067.337	6419.711
2	3115.475	6418.303
3	3184.749	6402.405
4	3333.868	6402.93
5	3347.51	6405.247
6	3356.151	6342.345
7	3355.161	6342.209
8	3356.346	6340.931
9	3356.935	6336.645
10	3355.944	6336.509
11	3357.223	6334.542
12	3370.891	6234.258
13	3377.722	6184.361
14	3376.739	6184.178
15	3377.728	6178.863
16	3372.57	6171.034
17	3350.766	6166.509
18	3342.336	6160.775
19	3340.871	6155.552
20	3303.604	6166.004
21	3299.578	6194.047
22	3296.605	6193.647
23	3298.759	6178.645
24	3300.913	6163.643
25	3339.321	6152.871
26	3337.69	6147.056
27	3351.961	6103.302
28	3361.242	6095.86
29	3372.653	6092.462
30	3393.549	6098.707
31	3400.572	6096.811
32	3400.823	6094.534
33	3401.512	6090.853

LEGEND

- NEW PVC-M PN12 WATER MAIN TO BE CONSTRUCTED.
- STOP VALVE AND VALVE BOX
- F.H. FIRE HYDRANT TO BE CONSTRUCTED. (UNDERGROUND TYPE)
- BEND WITH THRUST BLOCK TO BE CONSTRUCTED.
- END CAP WITH THRUST BLOCK TO BE CONSTRUCTED.
- CONSTRUCT SERVICE PIPE WITH DOUBLE 20mm SERVICE CONNECTIONS
- CONSTRUCT SINGLE 20mm SERVICE CONNECTION (UNLESS NOTED OTHERWISE)
- REDUCER TO BE CONSTRUCTED
- NEW DN 20 WATER METER - CONNECT TO EXISTING HOUSE WATER
- EXISTING WATER MAIN
- EXISTING WATER MAIN TO BE ABANDONED

PERMISSION TO USE FOR CONSTRUCTION PURPOSES

SIGNED DATE

ON BEHALF OF LAND DEVELOPMENT FOR INCORPORATION INTO THE PWC NETWORK

THIS PERMISSION TO USE IS GIVEN ON THE BASIS THAT THE DEVELOPER AND/OR CONSULTANT IS NOT ABSOLVED FROM FULL RESPONSIBILITY FOR THE CORRECTNESS AND ACCURACY OF THE DESIGN AND/OR DOCUMENTS SO ASSOCIATED

0 5 10 15 20 25m
SCALE 1:500 AT ORIGINAL SIZE

No.	DESCRIPTION	DATE	INIT.
A	ISSUED FOR INFORMATION / APPROVAL	17/11/06	B.S

AMENDMENTS

G:\43\21040\CADD\Drawings\DWG\43-21040-C036-C040_R07-1100-R07-1102.dwg

PowerWater NORTHERN TERRITORY

GHD
Suite 5, GHD Building, 82 Todd Street Alice Springs NT 0870
PO Box 3744 Alice Springs NT 0871
T 61 8 8958 3200 F 61 8 8958 3201
E aspmail@ghd.com.au W www.ghd.com.au

DRAWN	B.S	CHECKED	
DATE	22/07/2008	DATE	
DESIGNED	G.C.	CHECKED	
DATE	22/07/2008	DATE	
DESIGN PROJECT LEADER		PROJECT OFFICER	
DATE		DATE	

Northern Territory Government
Department of Planning and Infrastructure

ALICE SPRINGS
CONNECTING NEIGHBOURS PROGRAM
UPGRADE WORKS FOR CHARLES CREEK, HOPPY'S AND KUNOTH AULA'S

WATER LAYOUT PLAN SHEET 1 OF 4

FILE No.	ASSET No.	SHEET No.	DRAWING No.	AMEND.	SHEET SIZE
43-21040	-	37 OF 49	R07-1100	A	A1

Transformer data

Group	Com Id	Location	Community Name	Dwellings No. (Funded Dwellings)	Dwellings No. (Bennett Design)	New Houses ** (Future Demand)	Primary Volatge Level (KV)	PWC Substation ID	PWC Test Number	Transformer size (KVA)	KVA Total dwellings @ 4.5KVA	KVA Total dwellings @ 7KVA	Comments
1	290	Darwin	Bagot	55	55		11	1924	1735	300	247.5	385	
	344	Darwin	Knuckey Lagoons	18	19	2	11	1771	2163	100	85.5	133	
	347	Darwin	Kulaluk	19	19		11	1092	10607	50	85.5	133	
	403	Darwin	Palmerston Town Camp	20	16		22	10196	10245	100	90	140	Two transformers for this Town Camp. Transformers are not in boundary of Town Camp [The nearest transformers data to Town Camp are highlighted in yellow].
							22	265	11645	25			
	412	Darwin	Railway Dam (One Mile Dam)	5	6	2	11	1041	4378	200	27	42	Transformer is not in boundary of Town Camp [The nearest transformer data to Town Camp is highlighted in yellow].
	427	Adelaide River	Amangal	9	9		22	216	12187	100	40.5	63	Two transformers for this Town Camp.
							22	184	5646	63			
	687	Jabiru	Manabadurma	10	12		11	5050	11107	200	54	84	
	825	Darwin	Minmarama Park	24	24		11	2147	11372	100	108	168	
2	606	Katherine	Warlpiri Transient Camp	9	9		22	6416	4886	100	40.5	63	Two transformers for this Town Camp.
							22	6074	4695	25			
	621	Katherine	Miali Brumby (Kalano)	47	31		22	6133	12247	315	211.5	329	
	640	Pine Creek	Pine Creek Compound	4	4		22	6666	3147	25	18	28	Transformer is not in boundary of Town Camp [The nearest transformer data to Town Camp is highlighted in yellow].
	971	Mataranka	Mulggan	12	9	4	22	6819	5296	16	54	84	
							22	6818	5297	16			
							22	6384	11028	25			
3	215	Tennant Creek	Blueberry Hill (Munji-Marla)	2	2		22	7079	1868	200	9	14	Transformer is not in boundary of Town Camp [The nearest transformer data to Town Camp is highlighted in yellow].
	223	Tennant Creek	Dump Camp (Marla-Marla)	7	7		22	7181	11088	200	31.5	49	
	224	Elliott	Elliott South Camp	12	12		11	7504	4718	200	54	84	Transformer is not in boundary of Town Camp [The nearest transformer data to Town Camp is highlighted in yellow].
	225	Elliott	Elliott North Camp	36	25		11	7505	4715	100	162	252	
	238	Tennant Creek	Kargaru (East Side Camp)	12	12	1	22	7572		200	54	84	
	246	Tennant Creek	Ngalpa Ngalpa	18	21		22	7179		200	94.5	147	Two transformers for this Town Camp.
							22	7033	10904	315			
	271	Tennant Creek	Village Camp	12	12	1	22	7183	11107	200	54	84	
	681	Tennant Creek	Tingkarli	12	12		22	7180		200	54	84	
	684	Tennant Creek	Wuppa	15	15	1	22	7141	11092	100	67.5	105	Two transformers for this Town Camp.
							22	7182	11095	200			
4	3	Alice Springs	Akngwertnarre (Morris Soak)	11	15		11	8596	11336	300	67.5	105	Transformer is not in boundary of Town Camp [The nearest transformer data to Town Camp is highlighted in yellow].
	16	Alice Springs	Anthelk Ewlpaye (Charles Creek)	17	10		11	8569		315	76.5	119	Transformer is not in boundary of Town Camp [The nearest transformer data to Town Camp is highlighted in yellow].
	17	Alice Springs	Anthepe	15	15		22	8598	5874	200	67.5	105	Data extracted from PWC asset information. There was not access to this Town Camp due to ceremony on inspection day.
							22	8597	11244	315			
	19	Alice Springs	Aper Alwerrknge (Palmers)	7	6		11	8405	2939	200	31.5	49	Transformer is not in boundary of Town Camp [The nearest transformer data to Town Camp is highlighted in yellow].
	35	Alice Springs	Ewyenper Atwatye (Hidden Valley)	47	47		11	8622	11202	100	211.5	329	
							11	8623	11203	100			
							22	8625	11205	63			
							11	8626	11204	100			
	47	Alice Springs	Ilparpa	13	13		22	8611	11702	200	58.5	91	
	48	Alice Springs	Ilperle Tyathe (Walpiri)	10	9		11	8001	11209	315	45	70	Transformer is not in boundary of Town Camp [The nearest transformer data to Town Camp is highlighted in yellow].
	50	Alice Springs	Ilyperenye (Old Timers)	10	10		22	8145	3323	100	45	70	
	64	Alice Springs	Bassos	2	2		11	8002	10946	50	9	14	
	69	Alice Springs	Karnte	19	19		22	8282	2345	100	85.5	133	
	87	Alice Springs	Yarrenty Altere (Larapinta Valley)	34	34		11	8617	11334	100	153	238	
							11	8618	11200	63			
							11	8619	11335	100			
							11	8620	11201	100			
	90	Alice Springs	Inarlenge (Little Sisters)	16	22		22	8137	2925	100	99	154	Transformer is not in boundary of Town Camp [The nearest transformer data to Town Camp is highlighted in yellow].
	108	Alice Springs	Mpwetyerre (Abbotts)	6	6		11	8093	11703	315	27	42	Transformer is not in boundary of Town Camp [The nearest transformer data to Town Camp is highlighted in yellow].
	113	Alice Springs	Mount Nancy (Nyewente)	11	12		11	8405	2939	200	54	84	
	129	Alice Springs	Nyewente (Trucking Yards)	26	26		11	8629	11312	300	117	182	
	675	Alice Springs	Hoppys	15	19						85.5	133	There is not any Transformer in boundary of Town Camp. Also it's not shown in PWC asset information.
	676	Alice Springs	Ilpiye Ilpiye (Golders Camp)	15	14		11	8314	369	50	67.5	105	
	1029	Alice Springs	Kunoth	4	4		11	8569		315	18	28	Transformer is not in boundary of Town Camp [The nearest transformer data to Town Camp is highlighted in yellow].
5	222	Borroloola	Mara	28	29	2	11	6187	12610	100	130.5	203	Two transformers for this Town Camp.
							11	6545	10203				
	229	Borroloola	Garawa 1	16	14		11	6546	10166	100	72	112	Two transformers for this Town Camp.
							11	6332	4890	100			
	278	Borroloola	Yanyula	29	29		11	6162	10496	200	130.5	203	Data extracted from PWC asset information. It's outside of Twon Camp, shown only Transformer to this Town Camp.
							11		10167				This transformer is not shown in PWC asset information. It's installed in Boat Ramp Road near to Town Camp and connected to Electrical reticulation of Town Camp.
	992	Borroloola	Garawa 2	11	11		11	6189	2669	25	49.5	77	

** For New house's demand calculation see section 13.4 "Future Demand".

Ilpiye Ilpiye

Ilpeye Ilpeye

1 Design

The infrastructure reviews have been undertaken against current relevant standards for typical sub-divisions. The following standards have been used in undertaking the reviews.

Sewerage and water supply

- Water Services Association of Australia – Sewerage Code – WSA 02 Part 1: Planning and Design
- Power and Water Corporation supplement to WSA 02
- Water Services Association of Australia – Sewerage Pumping Station Code – WSA 04 -2005 Part 1: Planning and Design
- Power and Water Corporation supplement to WSA 04
- Water Services Association of Australia – Water Supply Code – WSA 03 2002 Part 1: Planning and Design
- Power and Water Corporation supplement to WSA 03
- Power and Water Corporation Indigenous Community Engineering Guidelines (2008)
- Department of Housing and Community Development Indigenous Community Engineering Guidelines (ICEG 2014, updated September 2016)
- Power and Water Corporation Essential Services Infrastructure Assessment and Upgrade Guidelines (for Town Camps in Urban Communities, 2009)
- Power and Water Corporation Standard Drawings
- Australian Standards

Electrical services

Electrical infrastructure has been assessed against AS/NZS3000 Wiring Rules and against PWC Service, Installation and Metering Rules and Urban Residential Development (URD) Design Standards where possible.

With one exception, town camps are each a single lot and compliance with AS/NZS3000 is sufficient to address potential safety concerns.

As such application of PWC URD Design Standards will mainly apply to the incoming supply and bulk or initial multi-metering panels if provided.

URD Design Standards for internal reticulation and street lighting appear to have been applied in many cases for convenience rather than compliance.

For the purposes of this report, the demand per dwelling allowances of URD Design Standards have been used to estimate incoming supply and overall distribution capacity requirements.

The following standards apply:

- Australian Standards
- Power Networks Design and Construction Guidelines, Power and Water Corporation
  - NP001.1_Design and Construction of Network Assets – General Requirements
  - NP001.3_General Specification for Overhead Electrical Reticulation
  - NP001.6_General Specification for URD Subdivisions
  - NP003_Installation Rules_V3
  - NP007_Service Rules
  - NP027_Capture of Newly Installed Street Lighting Information
  - NP041_Guidelines for Electrical Design Consultants

Further referral to the guidelines in this report will be designated by the guidelines number, NP001.1.

Communications

- National Broadband Network Website viewed 21 January 2017 (http://www.nbnco.com.au/) – NBN rollout maps

Council guidelines

In addition to the above standards, the following Council guidelines will be used where applicable.

- Alice Springs Town Council – Subdivision and Development Guidelines, November 2012

General

It should be noted that if the town camps are proposed to be subdivided and services assets gifted to Power and Water Corporation (PWC) for operation and maintenance, all of these services will need to fully meet PWC standards. With the exception of a few town camps that have recently been upgraded of which Ilpeye Ilpeye is one, this will require the full replacement and/or realignment of most services.

2 Condition assessment

2.1 Rating assessment matrix

A condition rating matrix was developed and used to assess all municipal infrastructure. The same rating was used for all services to maintain consistency in assessments. Table 1 Below shows the condition rating and operability.

Table 1 Condition rating

Condition rating		Operability
1	Very Poor	Not operational
2	Poor	Not fully operational or requires immediate maintenance to keep operational
3	Good	Fully operational, may require routine maintenance
4	Very Good	Fully operational, may require maintenance in the next six months
5	Excellent	New, fully operational

2.2 Civil assessment limitations

The civil infrastructure condition investigations were subject to a number of limitations. These include:

- Only accessible services have been investigated. This includes inspecting the top of sewer manholes, side entry pits, etc., however, does not include opening pits to inspect infrastructure below ground.
- No physical testing of the sewer, water or stormwater network was undertaken.
- No survey or service locating was undertaken.

As there was no survey, potholing or CCTV undertaken on the underground infrastructure there is insufficient information to make determinations on the asset condition. The condition assessments discussed in this report are only for the accessible services and do not necessarily represent the condition of the underground infrastructure. For the majority of the town camps, other than a few that have recently been upgraded it was found that the underground services are generally undersized and it is likely, due to their age, that the these services are in poor condition. Either factor would trigger the need for a complete replacement to meet current relevant standards.

2.3 Electrical assessment limitations

The electrical infrastructure condition investigations were subject to a number of limitations. These include:

- Inspections were carried out without the assistance of an electrical tradesman.
- Only accessible services were investigated. Assessments were of a visual nature and no pit covers were removed.
- Overhead equipment was assessed from ground level.

- Switchboards were not opened and no assessment of the internal connections or bus ratings was made.
- Electrical infrastructure was assessed down to the meter for multi-meter panels and down to the termination, overhead pole or distribution pillar, of the supply cable to a meter located at a dwelling.

3 Current infrastructure issues

Power and Water Corporation (PWC) have advised of the following concerns and issues in regard to the sewerage, water and electrical infrastructure at all town camps.

3.1 Ownership and maintenance

PWC stated there has always been confusion regarding the ownership and responsibilities of the internal sewer, water and electrical infrastructure. PWC have advised that they have no legal tenure on the majority of assets in any town camps and that the owner is essentially that of the land owner or leaseholder. This is further discussed for each type of infrastructure for each town camp.

The ownership and who is responsible for the maintenance of the sewage pump stations and street lighting is a major concern. In most town camps it was found that PWC have been maintaining the assets on an in-kind basis, although there are no maintenance or access agreements in place and the infrastructure is generally not compliant to PWC standards.

3.2 Access to infrastructure

PWC advised that due to the uncertainty surrounding ownership and responsibility of the sewerage, water and electrical infrastructure, each town camp is seen as a single lot with multiple houses on it. There are no formal road reserves or easements where the municipal infrastructure should be located. Despite the fact that Ilpeye Ilpeye has set itself up in the form of a sub-division, checks on the Land Titles Deeds, found that no formal road or services easements have been granted. PWC therefore have no legal right to enter the town camp to work on the infrastructure, nor can PWC stop others from working on the infrastructure. There is a risk that the maintenance undertaken by others may be to a lower standard than PWC.

Therefore it is recommended that easements are created over any infrastructure owned by PWC and any future assets to be gifted to PWC, to allow the service providers access to the infrastructure.

3.3 Existing infrastructure

PWC have stated that in general, although the existing sewerage and water infrastructure appears to comply with relevant standards in some locations, the capacity cannot be assumed to meet PWC requirements due to the potential for underground substandard condition and/or grading of pipework. In the case of Ilpeye Ilpeye however, the services designs were sent to PWC and signed off as suitable. This infrastructure has not however been handed over to PWC.

The planning process currently allows construction within the town camps on Commonwealth land without requiring service authority (PWC) approvals. This means that there has been no opportunity for PWC to recover contributions towards required upgrades to headworks servicing the developments and these upgrades have been paid for by PWC in the past. This inconsistency needs to be addressed for future developments within the town camps to ensure PWC are able to continue to provide adequate services.

3.4 Safety concerns

PWC have expressed concerns with safety of PWC staff and contractors working within the camps. PWC have employed procedures such as multiple people /

vehicles to attend the site, with police or housing safety officers as required. This generally leads to a delayed response time and increased cost to respond to and remediate emergency situations.

PWC have also raised the concern that if others work on water infrastructure within the town camps and do not apply the correct sanitation procedures they not only risk contaminating the entire water supply network within the town camp, at some town camps with direct connections to the town supply, they risk contaminating the entire town's water supply.

4 Available information

As the site investigations were limited to accessible / visible services, information on below ground services (such as electrical cables, sewer pipes, water supply pipes, etc.) were determined from available information. This information included:

- Serviced Land Availability Program (SLAP) maps,
- Department of Family & Community Services - Connecting Neighbours Program – Essential Services Scoping Study Report Volume 1 April 2005,
- Connecting Neighbours Project – Infrastructure Assessment and Recommendation Report - Arup Pty Ltd, April 2005,
- Drawings supplied by NT Department of Infrastructure - Technical Records,
- Drawings supplied by Power and Water Corporation,
- Bennett Design inspection reports and population data,
- Land Titles.

Aurecon undertook a site investigation of the Ilpeye Ilpeye community on 18 November 2016 to inspect roads, stormwater drainage, electrical services, sewerage and water supply, and community structures. The following sections detail the outcomes of this investigation and the assessments of the infrastructure.

The civil and electrical inspection reports can be found in the Appendicies.

5 Sewerage

5.1 Ownership and boundaries

The sewerage infrastructure within Ilpeye Ilpeye has recently been upgraded to PWC standards and is maintained by Power and Water Corporation up to the house connections. It is understood that PWC will be in a position to formally take ownership of these assets once the road and services easements are gazetted. It was noted from the Land Title that application for these easements has yet to be lodged.

5.1.1 Connection methods and billing

PWC advised that they currently charge a single sewerage bill based on the number of houses, which for Ilpeye Ilpeye is 13. The sewerage bill is charged to the Department of Housing and Community Development. It is not known what contribution the residents make towards the sewerage bills.

PWC confirmed that on completion of the subdivision, the billing will change to being to the owner of each lot.

5.2 Existing infrastructure condition assessment

The sewer infrastructure inspection was limited to inspecting the condition of manhole covers and pump stations, as all other sewerage infrastructure is below ground. The assets that were inspected had the following conditions:

Table 2 Sewer condition assessment

Asset	1 Very Poor	2 Poor	3 Good	4 Very Good	5 Excellent	Total
Manhole			8	29	4	41



Figure 1 Sewer manhole, condition: *very good*



Figure 2 Sewer manhole, condition: *very good*

The sewer manholes and sewer network in Ilpeye Ilpeye have recently been upgraded as per the SIHIP program. As constructed drawings were not yet available as the works were still being undertaken during the inspection.

The new network complies with PWC standards.

5.3 Current performance and risks

5.3.1 Current sewer network performance

The current capacity of the sewer network was calculated based on the following design assumptions:

- Where as-builts are not available the adopted minimum grade for the pipework is 1.0%, as advised by Power and Water Corporation.
- The Equivalent Population (EP) has been calculated assuming one household equates to 9 EP, based on discussions with Power and Water Corporation.
- The capacity has been assessed by calculating the current flow rate, and the maximum flow rate when the sewer pipe flows full. The result is then a percentage of how much of the pipe is currently being used.
- Manning's roughness coefficient of the pipework is 0.012, as recommended by PWC for PVC pipes.
- Where the sewer pipe grade, size or material is not known, it is assumed to be non-compliant to PWC standards.

The current number of houses in is 14, this multiplied by 9 EP per house gives a total current EP of 126. The capacity of the existing sewer was then calculated. The percentage shows how much of the pipe capacity is currently being used.

Table 3 Existing sewer capacity

Catchment	Current total EP	Diameter of connection (mm)	Adopted PWC minimum slope (%)	Q_{full} (L/s)	Current Q (L/s)	Current capacity (%)
Catchment 1	126	150	1.0	16.50	1.64	10%

Table 3 above shows that the capacity of the existing sewer network is adequate for the current peak population.

5.4 Future demands

As no new developments are currently planned for the community, there are no additional upgrades required to cater for future demand.

5.5 Recommended works

There are no works required at Ilpeye Ilpeye.

6 Water supply

6.1 Ownership and boundaries

The water supply infrastructure at Ilpeye Ilpeye has recently undergone upgrades which includes a new ring main installed in the community.

Ilpeye Ilpeye water service has recently been upgraded to PWC standards and currently is maintained by PWC up to the house connections. It is understood that PWC will be in a position to formally take ownership of these assets once the road and services easements are gazetted.

6.1.1 Connection methods and bills

Through consultation with PWC, it has been determined that the water supply to Ilpeye Ilpeye is currently charged using a fixed daily rate for a total of thirteen lot water meters and a single bulk water meter. The thirteen lot water meters include ten houses, two irrigation systems and one ablution block. PWC have advised that the lot water meters are sub meters, meaning that the daily rate charged against the house meters is subtracted from the bulk meter to ensure water usage is not charged twice. The water bills for Ilpeye Ilpeye are issued to the Department of Housing and Community Development. It is not known what contribution the residents make towards the water bills.

A total of seven lot water meters were assessed during the inspection. Ilpeye Ilpeye is believed to contain 14 dwellings. Therefore, up to an additional seven water meters may be required to be installed to cover the properties without an existing water meter. Note, some water meters may have been present however not visible due to overgrown flora or restricted property access. Consequently water meters may have not been discovered during the inspection.

6.2 Existing infrastructure assessment

The site investigation for the water infrastructure included assessing the condition of any air valves, fire hydrants, tanks, taps, and water meters. The assessment was limited to services that could be accessed above ground; no excavation of below ground services was undertaken.

The condition of each asset is as follows:

Table 4 Water asset condition assessment

Asset	1 Very Poor	2 Poor	3 Good	4 Very Good	5 Excellent	Total
Fire hydrants					7	7
Taps	1					1
Water meter (residential lots)			9	4		13

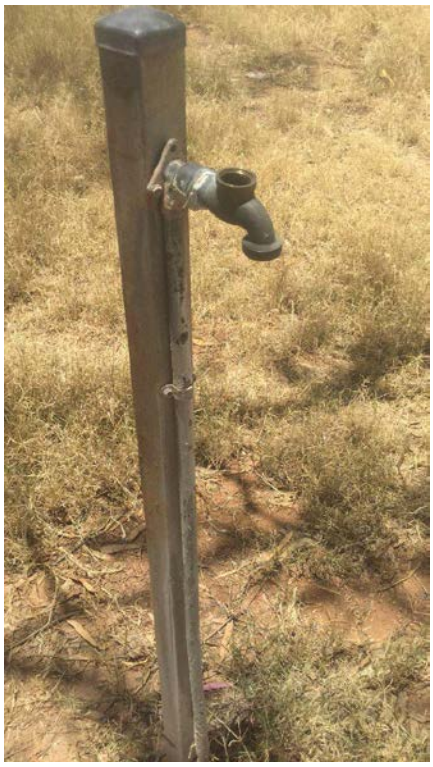


Figure 3 Tap, condition: very poor



Figure 4 Fire hydrant, condition: excellent



Figure 5 Water tank, condition: good

The tap, seen in Figure 3, has a missing handle which should be replaced. The inspection found that no other maintenance was required on existing water supply assets.

6.3 Current performance and risks

The current peak hour water demand supply was calculated based on the following design assumptions:

- The nominal peak day flow is 1300 L/capita/day, based on PWC's supplement to WSA 03 2002. This value is for the southern region of NT. It was assumed that the nominal peak day flow of 1300 L/capita/day also applies to water usage within the community, although it is possible that this value could be higher in real life due to a lack of controls to reduce water usage.
- The Equivalent Population (EP) has been calculated assuming one household equates to 9 EP, based on discussions with Power and Water Corporation.
- The peak hour factors are listed in PWC's Supplement to WSA 03-2002, and they depend on the population range of the community. The peak hour factor of 3.0 has been adopted, for populations less than 500.

Table 5 shows the peak hour demand calculated for Ilpeye Ilpeye.

Table 5 Current water demand

Total dwellings	EP	Demand (l/s)	Peak hour demand (l/s)
14	126	1.89	5.67

The water reticulation is expected to have sufficient capacity for PWC flow requirements including peak hour and fire flow.

The assessment of water supply for firefighting has been based on the size of the water main and the condition of the accessible fire hydrants. Additional hydrants have been recommended where it appears the existing number of hydrants are insufficient. In the case of Ilpeye Ilpeye, the existing fire hydrants are expected to provide sufficient coverage throughout the community.

The water supply upgrade drawings show a section of the water main is installed in a 3 m wide dedicated water main easement. The Land Title, refer Appendicies, indicates no formal easements are located within the community.

The design drawings, dated 2008, for the Ilpeye Ilpeye water supply upgrades (refer Appendicies) show that the majority of the ring main is DN100 PVC. However, it is expected that this was later upgraded to DN150 PVC for the construction as this is the minimum size pipe by PWC standards. This should be confirmed as soon as as-constructed engineering drawings are available.

6.4 Future demands

As no new developments are currently planned for the community, there are no additional upgrades required to cater for future demand.

6.5 Recommended works

The infrastructure that was assessed as very poor or poor is recommended to be upgraded to prevent failure in the future. The following maintenance works are recommended;

- Replace one tap handle

Ilpeye Ilpeye is understood to have been subdivided and therefore not recommended to have water usage measured as a single lot, rather at residential lot water meters on the connection to each property. The cost estimates for the upgrades at Ilpeye Ilpeye include;

- Install up to seven new residential lot water meters

Note it is also recommended that the water main sizes are confirmed when as-constructed drawing are available.

7 Roadworks

7.1 Ownership and boundaries

As Ilpeye Ilpeye is in the process of being subdivided, it is expected to be similar to any other subdivision in an ownership stance. However the administration side of the subdivision has not been completed.

The road infrastructure has been upgraded to comply with Alice Springs Town Council requirements, however the upgrades have not been approved or taken over by the ASTC.

7.2 Existing infrastructure condition assessment

The road network within Ilpeye Ilpeye community consists of formal sealed roads. There are also some informal tracks which appear to be used frequently but are not covered in this inspection and report.

Road furniture including signs and footpaths were also inspected. Table 6 below summarises the condition of the road furniture as assessed during the site inspection.

Table 6 Roadworks condition assessment

Asset	1 Very Poor	2 Poor	3 Good	4 Very Good	5 Excellent	Total
Sings					8	8
Footpaths					3	3



Figure 6 Footpath, condition: *excellent*



Figure 7 Sign, condition: *excellent*

All signs and footpaths within Ilpeye Ilpeye are in excellent condition and therefore do not need any repairs.

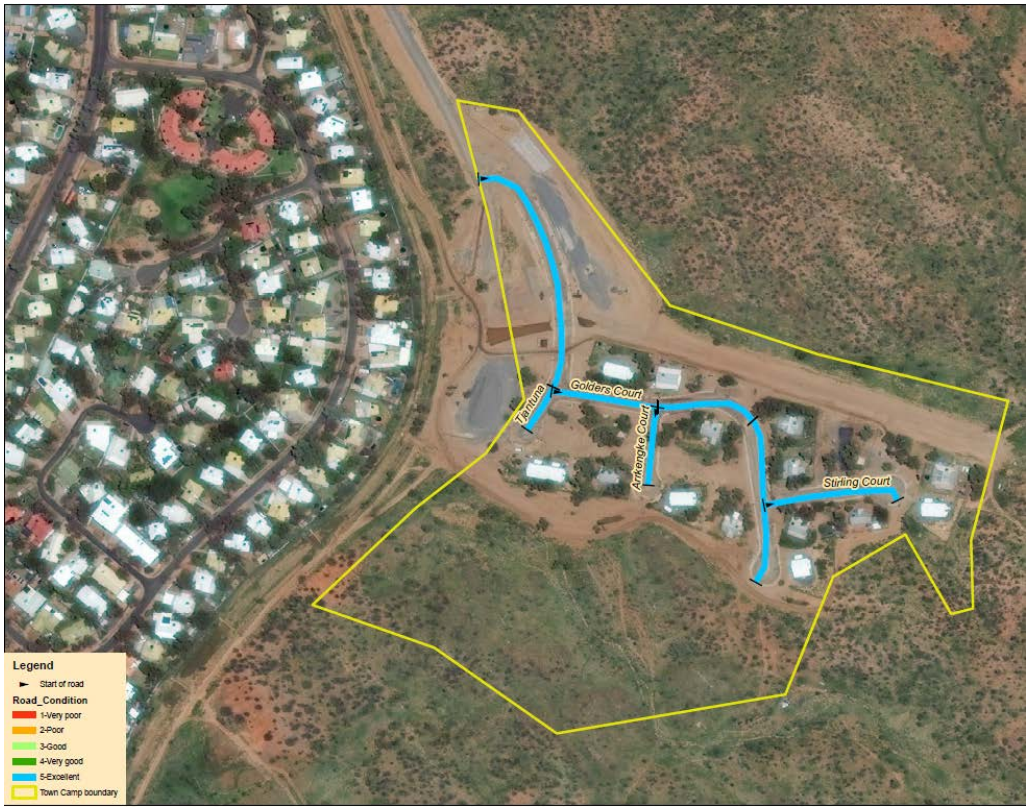


Figure 8 Community road network

Table 7 below details the condition of the roads within Ilpeye Ilpeye community for specific segments. Figure 8 shows a map of the community's road network with the condition ratings, road name, and chainage direction. Note, all roads within this community were rated excellent.

The driveway cross overs were also in excellent condition.

Table 7 Road network condition assessment

Road name	Chainage start (km)	Chainage end (km)	Condition (1 to 5)	Defects and associated condition
Arrkengke Court	0.00	0.05	5	No defects as the entire network of road is in excellent condition
Golders Court	-0.35	-0.30	5	
	-0.30	0.00	5	
	0.00	0.15	5	
	0.15	0.25	5	
	0.25	0.35	5	
Stirling Court	0.00	0.11	5	



Figure 9 Pavement, condition: excellent

7.3 Current performance and risks

The road network is sufficient for the current number of houses and is in excellent condition. It is recommended that the road is given a final clean up with a street sweeper to ensure all dirt and loose stones are removed, to reduce blockages in the stormwater drainage pipes.

7.4 Future demands

As no new developments are currently planned for the community, there are no additional upgrades required to cater for future demand.

7.5 Recommended works

The following works are recommended to upgrade the current infrastructure;

- Run through approximately 1000 m of road with a street sweeper to remove any debris

8 Stormwater drainage

8.1 Ownership and boundaries

The Ilpeye Ilpeye community is in the process of being subdivided and it is not clear who currently owns or is responsible for maintaining the stormwater drainage infrastructure. It is understood that these assets will be handed over to Alice Springs Town Council along with the road, however these have not yet been approved.

8.2 Current performance and risks

The site investigation for the stormwater infrastructure included assessing the condition of swales, culverts, headwalls, and side entry pits (SEP). Only the above ground infrastructure was assessed. As the inspection was undertaken outside of a storm event and no CCTV of the pipes was undertaken, flooding due to blockages or damage to the underground infrastructure could not be assessed. Table 8 below summarises the condition of the stormwater assets as assessed during the inspection.

Table 8 Stormwater condition assessment

Asset	1 Very Poor	2 Poor	3 Good	4 Very Good	5 Excellent	Total
Culverts					3	3
SEP					18	18
Swale					1*	1

*Swale was still under construction during inspection and expected to be in *excellent* condition when completed.

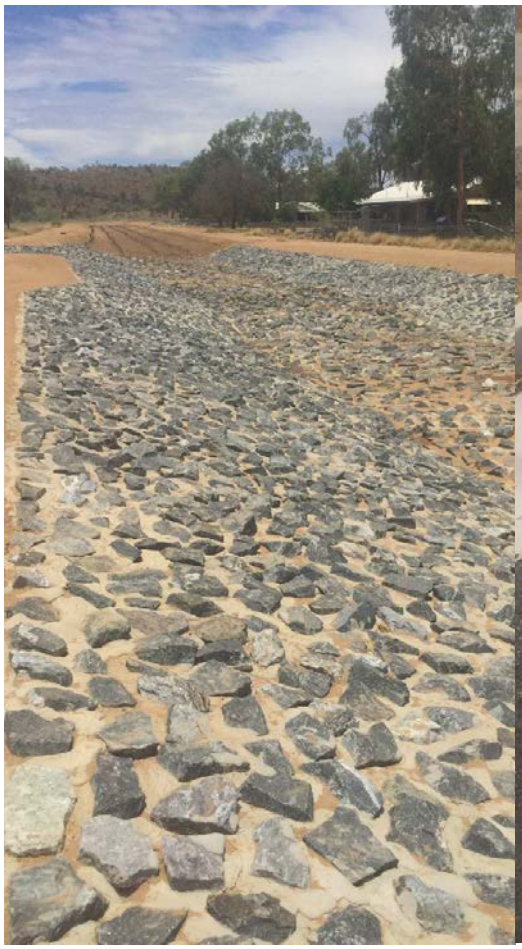


Figure 10 Stone pitched swale, condition: excellent
(still under construction at time of inspection)



Figure 11 Side entry pit, condition: *excellent*

The SIHIP program designed stormwater drainage for the community. The recommended upgrades have been constructed, as the infrastructure was new and generally in excellent condition.

8.3 Current performance and risks

The detailed performance of the stormwater network cannot be fully analysed without significant hydraulic and hydrodynamic modelling, which is outside the scope of this project. However based on the condition of the stormwater infrastructure assessed it would appear to be operating adequately. It was noted that one swale was still under construction during the inspection, however it would appear that this swale will be in excellent condition and working effectively once completed.

8.4 Future demands

As no new developments are currently planned for the community, there are no additional upgrades required to cater for future demand.

8.5 Recommended works

There are no immediate maintenance works or upgrades required.

9 Community structures

9.1 Ownership and boundaries

The Ilpeye Ilpeye community is in the process of being subdivided and it is not clear who now owns or is responsible for maintaining the community structures.

9.2 Existing infrastructure condition assessment

The site investigation for the community structures included assessing the condition and features of playgrounds, basketball courts and shade structures. The following table shows the condition rating given to the community structures.

Table 9 Community structures condition assessment

Asset	1 Very Poor	2 Poor	3 Good	4 Very Good	5 Excellent	Total
Bubbler				1		1
Playground				1		1
Shaded sitting area				1		1



Figure 12 Bubbler, condition: *very good*



Figure 13 Playground, condition: *very good*



Figure 14 Shaded sitting area, condition: *very good*

9.3 Current performance and risks

All community structures within the Ilpeye Ilpeye community are rated very good and sufficient for the number of houses within the community, therefore the only action required is a general clean to remove any rubbish, graffiti or glass in the area surrounding the community structures.

9.4 Future demands

As no new developments are currently planned for the community, there are no additional upgrades required to cater for future demand.

9.5 Recommended works

The following works are recommended to upgrade the community structures:

- General clean of community structures and the area surrounding them to ensure all rubbish, graffiti and glass is removed.

10 Electrical services

10.1 Ownership and boundaries

The following points, from Network Policy NP003 Installation Rules Section3, define the typical shared ownership of electrical infrastructure by Power and Water Corporation (PWC) and customers.

- The point of supply is defined as the point where PWC makes the electrical supply available. For domestic supply, this is normally one of the following:
- A point of attachment of an overhead service on to a building or pole on which a metering panel is fitted.
- A point of attachment of an overhead service on to a pole forming part of unmetered aerial consumer's mains.
- A nominated point on a distribution substation located on the customer's lot.
- A point of connection of an underground service in a metering panel, including underground services originating at an overhead line.
- A point of connection of an underground service in a pillar or junction box forming part of unmetered consumer's mains, located on the customer's lot.
- A point on a Power and Water pillar located on the customer's lot.

Typically, distribution infrastructure upstream of the Point Of Supply is owned and maintained by PWC and infrastructure below the point of supply is owned and maintained by the customer.

In many cases PWC have defined a Point Of Supply to ensure that they retain responsibility for aerial high voltage infrastructure, and aerial low voltage infrastructure where installed with aerial high voltage infrastructure, to minimise the possibility of the community or it's contractors coming into contact, either deliberately or inadvertently, with aerial high voltage infrastructure.

In other cases isolation facilities are present or desired by PWC to define the Point of Supply at or near the boundary of the town camp.

PWC advise that most of Tennant Creek/Alice Springs Town Camps have undergone upgrades under the SIHIP program with the intent to normalise the services to look like an urban subdivision but have never been formally handed over to PWC for operations and maintenance.

The Ilpeye Ilpeye community electrical reticulation systems has recently been upgraded and is supplied by an underground reticulation scheme to individual houses and street lights were of a low voltage underground feeder design.

PWC advise that the Point Of Supply is the HV Switch-18344 on overhead pole out of the lot boundary and upstream infrastructure.

PWC recommend that a GBS (Gas Break Switch) be provided upstream of the first transformer to establish a demarcation point.

PWC advise that street lighting is supplied from unmetered LV infrastructure and is the responsibility of the lot holder and not PWC.

All meters, whether pre- or post-paid are the property of PWC.

Ilpeye Ilpeye community are responsible for maintain all unmetered and metered LV infrastructure including the main switchboard, metering panel (excluding meter), LV distribution feeders, distribution pillars, consumers' mains and consumer switchboards and street lights.

10.2 Existing infrastructure condition assessment

Table 10 shows the condition rating given to the Distribution Panels. The distribution panels had 90% operational rating and one panel was damaged and fenced already by PWC on the inspection day.

Table 10 Distribution panel condition assessment

Asset	1 Very Poor	2 Poor	3 Good	4 Very Good	5 Excellent	Total
Distribution panels		1	8	1		10

Table 11 shows the condition rating given to the street lights. The street lights were of a low voltage underground feeder design, sodium lamp type S70D, S150C and S250C. The street lights have a 100% operational rating.

Table 11 Street light condition assessment

Asset	1 Very Poor	2 Poor	3 Good	4 Very Good	5 Excellent	Total
Street light			16	2		18

Table 12 shows the condition rating given to the transformer. The transformer was of pad mount substation design. The transformer was visually accessed to be in good condition.

Table 12 Transformer condition assessment

Asset	1 Very Poor	2 Poor	3 Good	4 Very Good	5 Excellent	Total
Transformer				1		1

Table 13 shows the condition rating given to the electrical pit. The electrical pit was visually accessed to be in good condition.

Table 13 Pit condition assessment

Asset	1 Very Poor	2 Poor	3 Good	4 Very Good	5 Excellent	Total
Pit			1			1

Table 14 shows the condition rating given to the Metering panels. All assessed meters in this community are prepaid digital meters.

Table 14 Meter panel condition assessment

Asset	1 Very Poor	2 Poor	3 Good	4 Very Good	5 Excellent	Total
Pre-paid meter			13			13
Switchboard			7			7

Table 15 shows the condition rating given to the switchboards associated to dwellings.

Table 15 Switchboard condition assessment (Housing footprint)

Asset	1 Very Poor	2 Poor	3 Good	4 Very Good	5 Excellent	Total
Switchboard			9			9

The details of the individual inspections and photographs of each piece of infrastructure are in Appendicies.

10.3 Current performance and risks

The electrical infrastructure evaluation was conducted against the following criteria

- Number of dwellings on tenure, the higher value of the funded dwelling and as quoted in the population report was utilised.
- Urban area, NP001.1, 4. Definitions.
- General Specification for URD Subdivisions, NP001.6, 4.3 Substation Size.
- Normal ADMD (After Diversity Maximum Demand) of 4.5 kVA and high cost subdivisions at 7 kVA.
- Transformer ratings were assumed to be correct in Dekho (PWC asset information system) and compared against photographs of test or transformer numbers collected.
- Substation loads were compared against transformer sizes only. No load flow analysis was conducted.
- No load calculations were performed or assessment conducted on overhead or underground cable, visual inspection from the ground only.
- Streetlighting loads were ignored as they are not significant.

The calculated maximum demand of the Ilpeye Ilpeye community transformer is 135% of rated capacity based on 4.5kVA/dwelling and the transformer information from PWCs asset management system, Dekho.

PWC advise that this transformer may have recently been upgraded (current id NTEC 8673).

PWC advised upgrades may have occurred under the SIHIP program but electrical assets have not been formally handed over to PWC at this stage.

Table 16 Ilpeye Ilpeye current demand load vs transformer ratings

Com Id	Community name	Dwellings	Transformer (kVA)	kVA Total @ 4.5kVA	kVA Total @ 7kVA	Comments
676	Ilpeye Ilpeye (Golders Camp)	15	50	67.5	105	Details of updated transformer is not available.

A tabulated summary of all community transformers is included in Appendicies.

There is a risk of equipment not being maintained associated with the non-standard division of responsibilities between the customer and PWC.

The following points from the PWC Metering Rules should be noted:

- The routine maintenance of metering installations and the replacement of any faulty meters is the responsibility of PWC.
- The property owners are responsible for the maintenance and upkeep of meter rooms, boxes and panels (including lids, doors and locking mechanisms).
- The installation of pre-paid metering is a cost to the customer, refer NP010 Meter Manual-Maintenance of Metering Installations, Power and Water Corporation.

10.4 Future demands

As no new developments are currently planned for the community, there are no additional upgrades required to cater for future demand.

10.5 Recommended works

The following maintenance works and upgrades are recommended:

- Replace one switchboard.

11 Communications

11.1 Ownership and boundaries

Details of Telstra pit and conduit infrastructure within the town camp boundaries were sought but were not forthcoming.

11.2 Existing infrastructure condition assessment

The telecommunications infrastructure assessed included pits and telephone booths.

Appendicies contains the individual reports.

Table 17 Telecommunication pit condition assessment

Asset	1 Very Poor	2 Poor	3 Good	4 Very Good	5 Excellent	Total
Telecommunication pit		2	9	7		18

Table 18 Telephone booth condition assessment

Asset	1 Very Poor	2 Poor	3 Good	4 Very Good	5 Excellent	Total
Phone booth						1 (status unknown)

11.3 Current performance and risks

No details of the performance of communications infrastructure were obtained.

11.4 Future demands

The current availability of broadband services at Ilpeye Ilpeye is displayed in the Figure 15 below. NBN is available to residents via satellite on application to an appropriate NBN access provider.

Ilpiye Ilpiye appears to have been provided with new NBN underground reticulation recently. This development has not been registered with NBNCo.

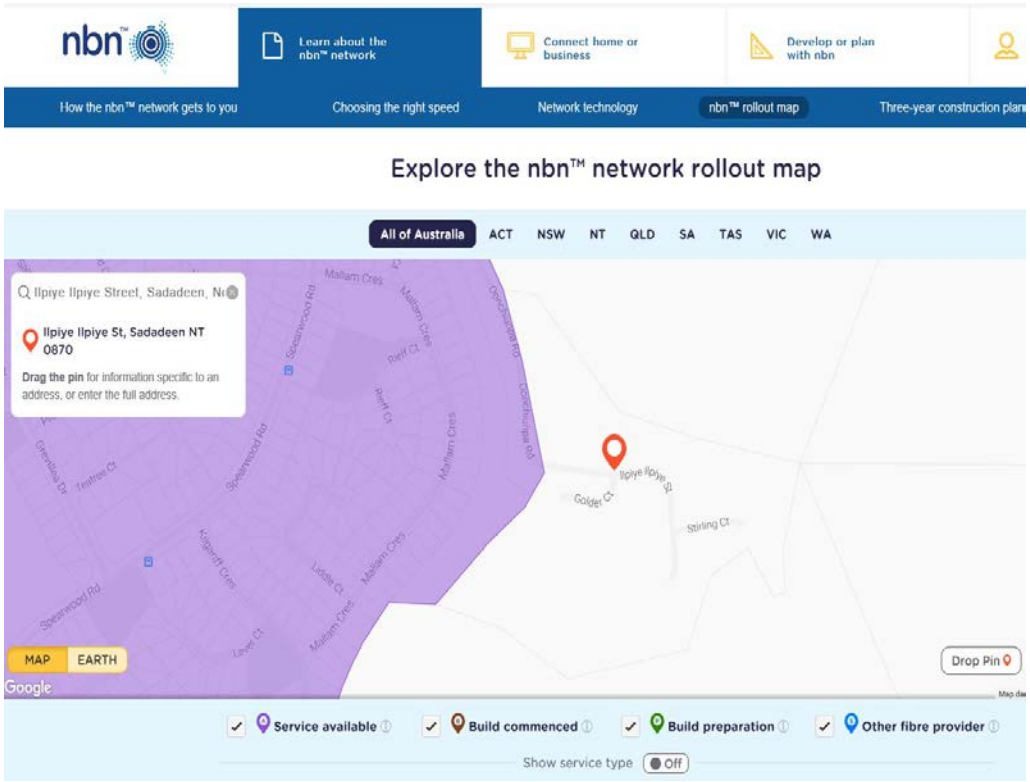


Figure 15 NBN network availability map

11.5 Recommended works

No works are required at Ilpeye Ilpeye because NBN is available to residents via satellite on application to an appropriate NBN access provider.

This sites NBN infrastructure should be registered with NBNCo who will request As Built drawings before the visit site to inspect. Any defects must be rectified prior to acceptance by NBNCo.

12 Cost estimates

Table 19 below shows a summary of the cost estimates to undertake the maintenance required to fix the existing infrastructure, to upgrade the existing network to meet current design standards, and to upgrade the existing network to cater for the future design (included in current upgrades). The estimates take into account a 30% contingency, are inclusive of GST. A location factor has been applied to town camps outside of Darwin.

Table 19 Cost estimates

Infrastructure	Maintenance of existing infrastructure	Upgrades to meet current design
Sewerage	$ 0	$ 0
Water supply	$ 0	$ 34,000
Roadworks	$ 7,000	$ 0
Stormwater drainage	$ 0	$ 0
Community structures	$ 1,000	$ 0
Electrical	$ 25,000	$ 0
Communications	$ 0	$ 0
Miscellaneous provisions	$ 14,000	$ 14,000
Total (including GST)	**$ 47,000**	**$ 48,000**
Grand total	**$ 95,000**	

The cost estimates are a preliminary estimate only. Since Aurecon has no control over the cost of labour, materials, equipment or services furnished by others, or over contractors' methods of determining prices, or over competitive bidding or market conditions, Aurecon cannot guarantee actual costs will not vary from these estimates.

13 Summary

The following works are recommended for Ilpeye Ilpeye community:

Sewerage

- No upgrades required.

Water supply

- Replace one tap handle
- Install up to seven new residential lot water meters

Roadworks

- General tidy up of approximately 1000 m of road

Stormwater drainage

- No upgrades required.

Community structures

- General clean of community structures and the area surrounding them to ensure all rubbish, graffiti and glass is removed.

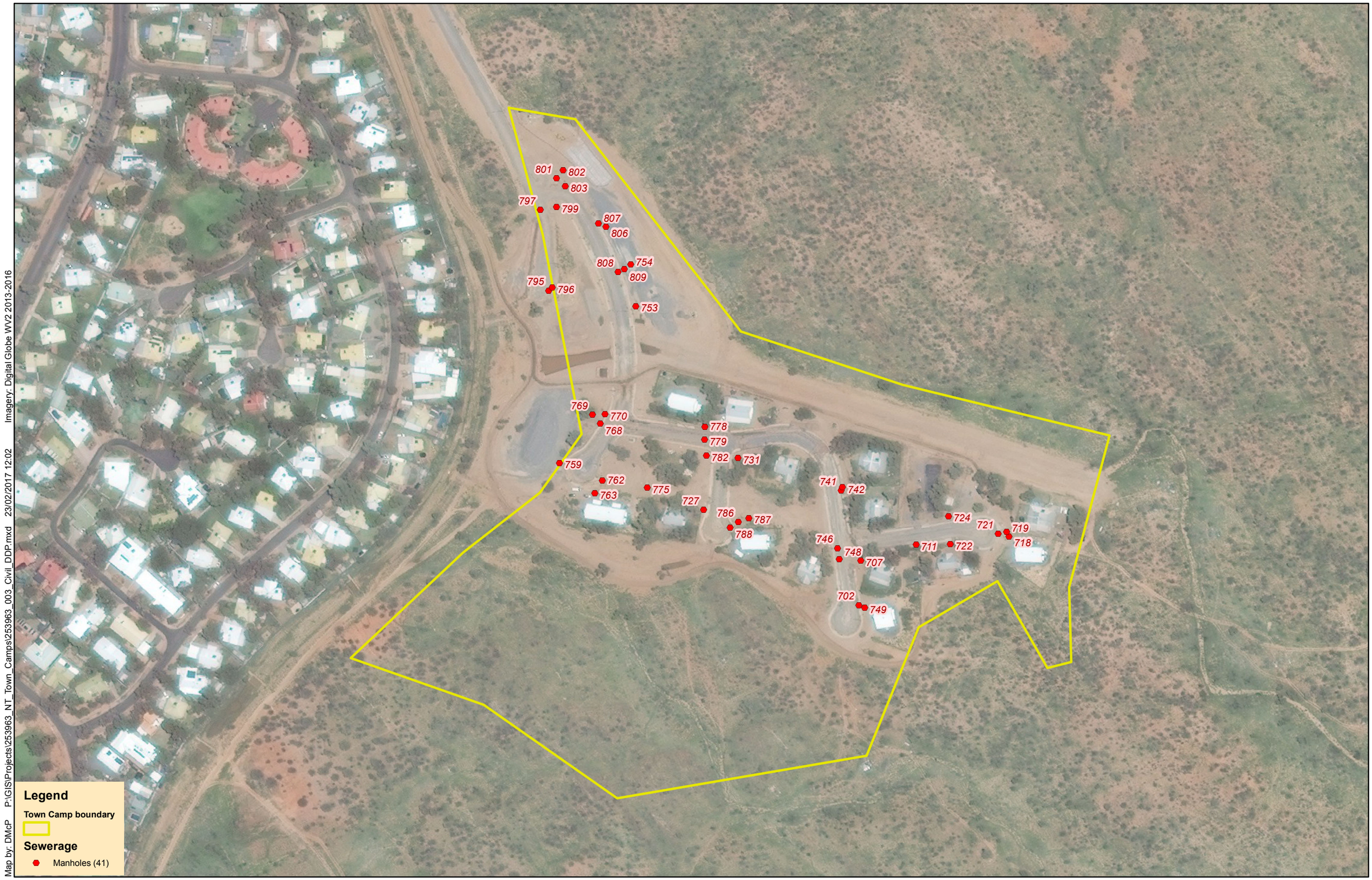
Electrical services

- Replace one switchboard

Communications

- No works are required because NBN is available to residents on application to an appropriate NBN access provider.
- This sites NBN infrastructure should be registered with NBNCo who will request As Built drawings before the visit site to inspect. Any defects must be rectified prior to acceptance by NBNCo.

Civil inspection reports



Map by: DMcP P:\GIS\Projects\253963_NT_Town_Camps\253963_003_Civil_DDP.mxd 23/02/2017 12:02 Imagery: Digital Globe WV2 2013-2016

A3 scale: 1:2,500

0 20 40 60 80 100 m

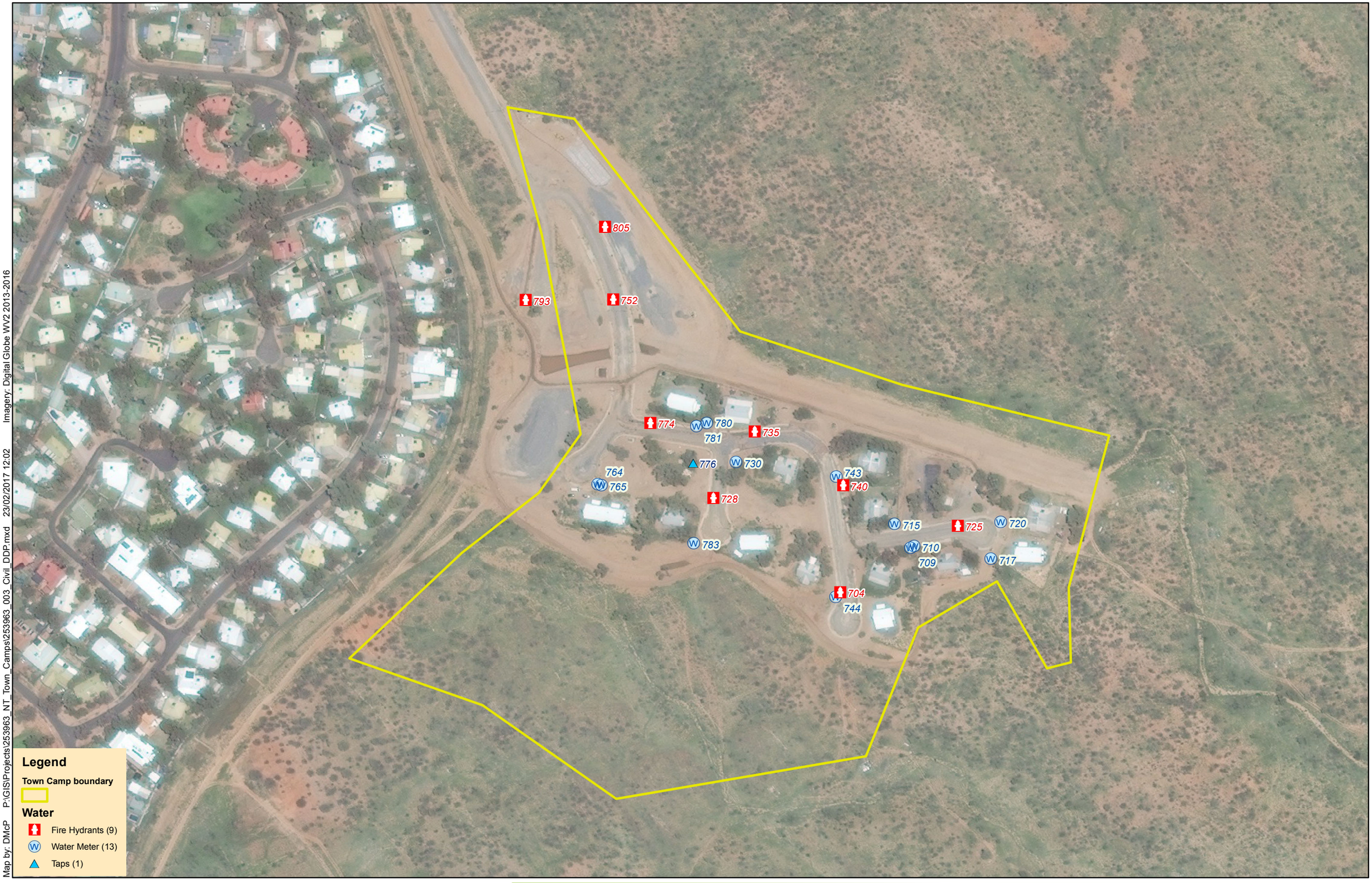
Note:
Label numbers refer to survey IDs

Date: 23/02/2017 Version: 2
Coordinate system: MGA94 Zone 52

NT Town Camp Infrastructure Assessments: Sewerage

676 - Ilpeye Ilpeye Estate (Alice Springs)

3233



Map by: DMcP P:\GIS\Projects\253963_NT_Town_Camps\253963_003_Civil_DDP.mxd 23/02/2017 12:02 Imagery: Digital Globe WV2 2013-2016

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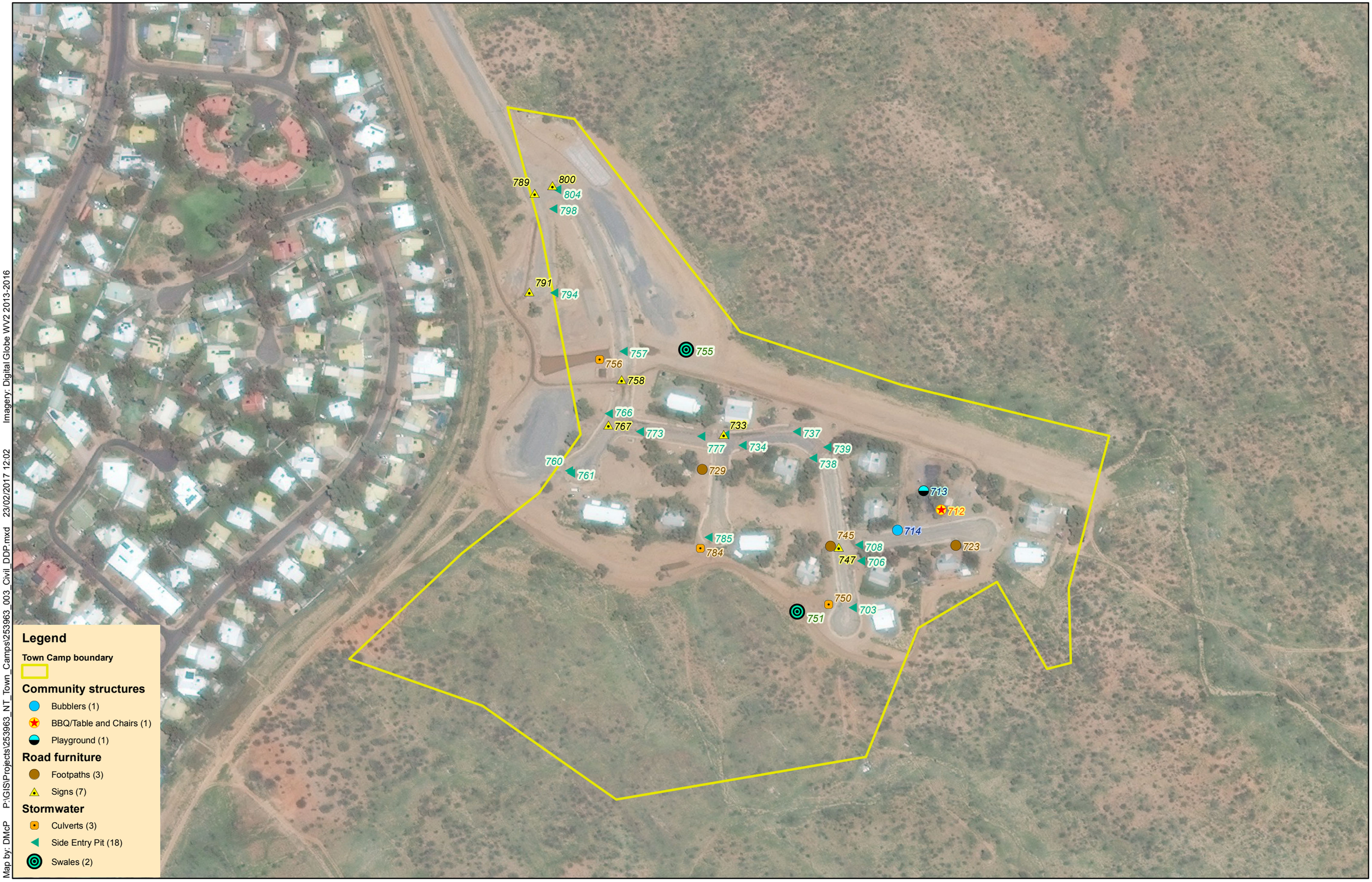
Note:
Label numbers refer to survey IDs

Date: 23/02/2017 Version: 2

Coordinate system: MGA94 Zone 52

NT Town Camp Infrastructure Assessments: Water

676 - Ilpeye Ilpeye Estate (Alice Springs)



Map by: DMcP P:\GIS\Projects\253963_NT_Town_Camps\253963_003_Civil_DDP.mxd 23/02/2017 12:02 Imagery: Digital Globe WV2 2013-2016

Legend

Town Camp boundary

Community structures
- Bubblers (1)
- BBQ/Table and Chairs (1)
- Playground (1)

Road furniture
- Footpaths (3)
- Signs (7)

Stormwater
- Culverts (3)
- Side Entry Pit (18)
- Swales (2)

A3 scale: 1:2,500

0 20 40 60 80 100 m

Note:
Label numbers refer to survey IDs

Date: 23/02/2017 Version: 2

Coordinate system: MGA94 Zone 52

NT Town Camp Infrastructure Assessments
Road furniture, stormwater drainage & community structures
676 - Ilpeye Ilpeye Estate (Alice Springs)

Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 10:20:08 AM

Insp ID: 714	Group 4 - Alice Springs	Ilpiye Ilpiye

Inspection Type:	Bubblers
Leaking bubbler:	No
Bubbler Condition:	4 - Very Good
Bubbler Comments:	Water disconnected







Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 10:53:40 AM

Insp ID: 750 Group 4 - Alice Springs Ilpiye Ilpiye

Stormwater Infrastructure:	Culverts
Culvert Type:	RCBC
Diameter (mm):	
Width (mm):	1200
Culvert Depth (mm):	450
Culvert Length (m):	
Culvert Condition:	5 - Excellent
Culvert Blockage (%):	
Culvert Comments:	Outlet from underground stormwater drainage
Culvert Head Wall:	
Safety Grate:	
Headwall Blockage:	
Headwall Condition:	
Headwall Comment:	
End Wall:	Yes
End Wall condition:	4 - Very Good
EW Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 12:36:06 PM

Insp ID: 756 Group 4 - Alice Springs Ilpiye Ilpiye

Stormwater Infrastructure:	Culverts
Culvert Type:	RCBC
Diameter (mm):	
Width (mm):	1200
Culvert Depth (mm):	450
Culvert Length (m):	18
Culvert Condition:	5 - Excellent
Culvert Blockage (%):	10
Culvert Comments:	
Culvert Head Wall:	Yes
Safety Grate:	No
Headwall Blockage:	10
Headwall Condition:	4 - Very Good
Headwall Comment:	
End Wall:	Yes
End Wall condition:	5 - Excellent
EW Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 12:36:06 PM



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 11:45:11 AM

Insp ID: 784 Group 4 - Alice Springs Ilpiye Ilpiye

Stormwater Infrastructure:	Culverts
Culvert Type:	RCP
Diameter (mm):	450
Width (mm):	
Culvert Depth (mm):	
Culvert Length (m):	
Culvert Condition:	5 - Excellent
Culvert Blockage (%):	
Culvert Comments:	
Culvert Head Wall:	
Safety Grate:	
Headwall Blockage:	
Headwall Condition:	
Headwall Comment:	
End Wall:	Yes
End Wall condition:	3 - Good
EW Comment:	Outlet from road drainage





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 10:36:57 AM

Insp ID: 704 Group 4 - Alice Springs Ilpiye Ilpiye

What Water Asset Are you Capturing: Fire Hydrants

Single or Double:	Single
Sluice Valve:	No
Above or Below ground:	Below ground
FH Leakage:	No Access
Bollards around hydrant:	No
FH Condition:	5 - Excellent
FH Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 9:16:18 AM

Insp ID: 725 Group 4 - Alice Springs Ilpiye Ilpiye

What Water Asset Are you Capturing: Fire Hydrants

Single or Double:	Single
Sluice Valve:	No
Above or Below ground:	Below ground
FH Leakage:	No
Bollards around hydrant:	No
FH Condition:	5 - Excellent
FH Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 11:30:26 AM

Insp ID: 728 Group 4 - Alice Springs Ilpiye Ilpiye

What Water Asset Are you Capturing: Fire Hydrants

Single or Double:	Single
Sluice Valve:	No
Above or Below ground:	Below ground
FH Leakage:	No Access
Bollards around hydrant:	No
FH Condition:	5 - Excellent
FH Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 11:21:12 AM

Insp ID: 735 Group 4 - Alice Springs Ilpiye Ilpiye

What Water Asset Are you Capturing: Fire Hydrants

Single or Double:	Single
Sluice Valve:	No
Above or Below ground:	Below ground
FH Leakage:	No Access
Bollards around hydrant:	No
FH Condition:	5 - Excellent
FH Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 11:07:47 AM

Insp ID: 740 Group 4 - Alice Springs Ilpiye Ilpiye

What Water Asset Are you Capturing: Fire Hydrants

Single or Double:	Single
Sluice Valve:	No
Above or Below ground:	Below ground
FH Leakage:	No Access
Bollards around hydrant:	No
FH Condition:	5 - Excellent
FH Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 12:44:33 PM

Insp ID: 752 Group 4 - Alice Springs Ilpiye Ilpiye

What Water Asset Are you Capturing: Fire Hydrants

Single or Double:	Single
Sluice Valve:	No
Above or Below ground:	Below ground
FH Leakage:	No Access
Bollards around hydrant:	No
FH Condition:	5 - Excellent
FH Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 12:01:02 PM

Insp ID: 774 Group 4 - Alice Springs Ilpiye Ilpiye

What Water Asset Are you Capturing: Fire Hydrants

Single or Double:	Single
Sluice Valve:	Yes
Above or Below ground:	Below ground
FH Leakage:	No Access
Bollards around hydrant:	No
FH Condition:	5 - Excellent
FH Comment:	Still under construction







Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 12:01:02 PM

Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 1:12:02 PM

Insp ID: 793 Group 4 - Alice Springs Ilpiye Ilpiye

What Water Asset Are you Capturing: Fire Hydrants

Single or Double:	Single
Sluice Valve:	Yes
Above or Below ground:	Below ground
FH Leakage:	No Access
Bollards around hydrant:	No
FH Condition:	5 - Excellent
FH Comment:	







Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 1:12:02 PM

Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 12:56:50 PM

Insp ID: 805 Group 4 - Alice Springs Ilpiye Ilpiye

What Water Asset Are you Capturing: Fire Hydrants

Single or Double:	Single
Sluice Valve:	No
Above or Below ground:	Below ground
FH Leakage:	No Access
Bollards around hydrant:	No
FH Condition:	5 - Excellent
FH Comment:	





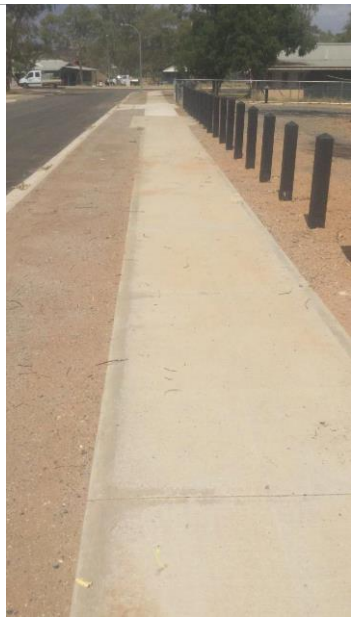
Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 9:59:32 AM

Insp ID: 723 Group 4 - Alice Springs Ilpiye Ilpiye

Road Name:	Stirling Court
What are you inspecting:	Foot Paths
Footpath Width (mm):	15
Footpath Type:	Concrete
Footpath Condition:	5 - Excellent
Comment:	Both sides of road
General Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 9:59:32 AM



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 11:28:37 AM

Insp ID: 729	Group 4 - Alice Springs	Ilpiye Ilpiye

Road Name:	Arrkengke Court
What are you inspecting:	Foot Paths
Footpath Width (mm):	15
Footpath Type:	Concrete
Footpath Condition:	5 - Excellent
Comment:	New footpath both side entire court
General Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 11:01:00 AM

Insp ID: 745 Group 4 - Alice Springs Ilpiye Ilpiye

Road Name:	Golders Court
What are you inspecting:	Foot Paths
Footpath Width (mm):	1500
Footpath Type:	Concrete
Footpath Condition:	5 - Excellent
Comment:	Recently built, both sides of road along the entire road
General Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 11:01:00 AM





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 10:39:42 AM

Insp ID: 702 Group 4 - Alice Springs Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Round
Manhole Cover Diam (mm):	450
Manhole Length (mm):	
Manhole Width (mm):	
Manhole Condition:	4 - Very Good
Notes on Lid:	
Comments:	



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 10:29:38 AM

Insp ID: 707 Group 4 - Alice Springs Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Round
Manhole Cover Diam (mm):	600
Manhole Length (mm):	
Manhole Width (mm):	
Manhole Condition:	3 - Good
Notes on Lid:	
Comments:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 10:24:43 AM

Insp ID: 711	Group 4 - Alice Springs	Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Round
Manhole Cover Diam (mm):	250
Manhole Length (mm):	
Manhole Width (mm):	
Manhole Condition:	4 - Very Good
Notes on Lid:	
Comments:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 10:10:56 AM

Insp ID: 718 Group 4 - Alice Springs Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Round
Manhole Cover Diam (mm):	250
Manhole Length (mm):	
Manhole Width (mm):	
Manhole Condition:	4 - Very Good
Notes on Lid:	
Comments:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 10:09:29 AM

Insp ID: 719 Group 4 - Alice Springs Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Round
Manhole Cover Diam (mm):	250
Manhole Length (mm):	
Manhole Width (mm):	
Manhole Condition:	4 - Very Good
Notes on Lid:	
Comments:	Lightly covered in dirt





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 10:04:38 AM

Insp ID: 721 Group 4 - Alice Springs Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Round
Manhole Cover Diam (mm):	400
Manhole Length (mm):	
Manhole Width (mm):	
Manhole Condition:	5 - Excellent
Notes on Lid:	Class d
Comments:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 10:02:01 AM

Insp ID: 722 Group 4 - Alice Springs Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Rectangular
Manhole Cover Diam (mm):	
Manhole Length (mm):	1000
Manhole Width (mm):	700
Manhole Condition:	4 - Very Good
Notes on Lid:	
Comments:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 9:58:34 AM

Insp ID: 724	Group 4 - Alice Springs	Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Round
Manhole Cover Diam (mm):	
Manhole Length (mm):	
Manhole Width (mm):	250
Manhole Condition:	4 - Very Good
Notes on Lid:	
Comments:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 11:31:38 AM

Insp ID: 727 Group 4 - Alice Springs Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Rectangular
Manhole Cover Diam (mm):	
Manhole Length (mm):	1000
Manhole Width (mm):	700
Manhole Condition:	4 - Very Good
Notes on Lid:	
Comments:	Partially covered by dirty





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 11:26:25 AM

Insp ID: 731	Group 4 - Alice Springs	Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Round
Manhole Cover Diam (mm):	250
Manhole Length (mm):	
Manhole Width (mm):	
Manhole Condition:	5 - Excellent
Notes on Lid:	
Comments:	





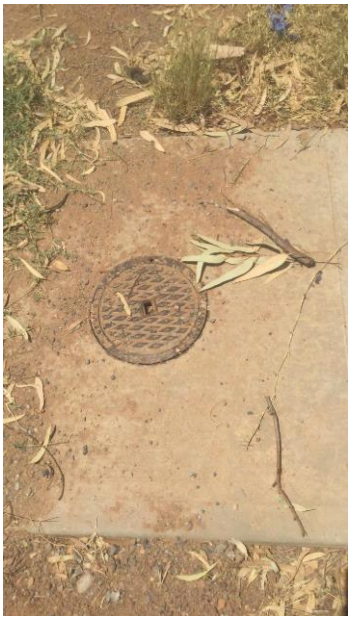
Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 11:08:02 AM

Insp ID: 741 Group 4 - Alice Springs Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Round
Manhole Cover Diam (mm):	250
Manhole Length (mm):	
Manhole Width (mm):	
Manhole Condition:	4 - Very Good
Notes on Lid:	
Comments:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 11:06:35 AM

Insp ID: 742 Group 4 - Alice Springs Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Round
Manhole Cover Diam (mm):	250
Manhole Length (mm):	
Manhole Width (mm):	
Manhole Condition:	3 - Good
Notes on Lid:	
Comments:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 11:00:02 AM

Insp ID: 746 Group 4 - Alice Springs Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Rectangular
Manhole Cover Diam (mm):	
Manhole Length (mm):	1000
Manhole Width (mm):	700
Manhole Condition:	4 - Very Good
Notes on Lid:	
Comments:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 11:00:02 AM



Northern Territory Town Camps

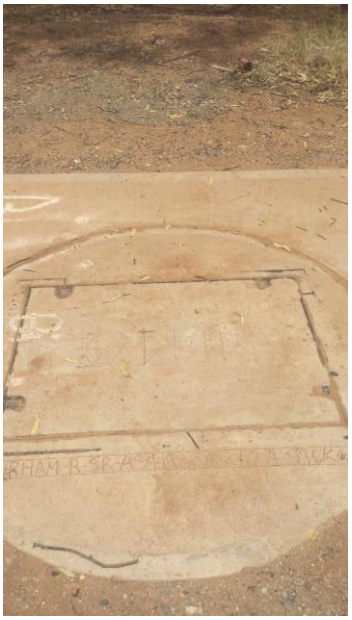
Civil Infrastructure

Inspection Date 18/11/2016 10:58:01 AM

Insp ID: 748 Group 4 - Alice Springs Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Rectangular
Manhole Cover Diam (mm):	
Manhole Length (mm):	1000
Manhole Width (mm):	700
Manhole Condition:	4 - Very Good
Notes on Lid:	
Comments:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 10:46:41 AM

Insp ID: 749 Group 4 - Alice Springs Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Round
Manhole Cover Diam (mm):	250
Manhole Length (mm):	
Manhole Width (mm):	
Manhole Condition:	4 - Very Good
Notes on Lid:	
Comments:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 12:44:49 PM

Insp ID: 753	Group 4 - Alice Springs	Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Round
Manhole Cover Diam (mm):	250
Manhole Length (mm):	
Manhole Width (mm):	
Manhole Condition:	4 - Very Good
Notes on Lid:	
Comments:	



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 12:43:47 PM

Insp ID: 754	Group 4 - Alice Springs	Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Round
Manhole Cover Diam (mm):	450
Manhole Length (mm):	
Manhole Width (mm):	
Manhole Condition:	4 - Very Good
Notes on Lid:	
Comments:	



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 12:32:07 PM

Insp ID: 759 Group 4 - Alice Springs Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Rectangular
Manhole Cover Diam (mm):	
Manhole Length (mm):	1000
Manhole Width (mm):	700
Manhole Condition:	4 - Very Good
Notes on Lid:	
Comments:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 12:25:44 PM

Insp ID: 762	Group 4 - Alice Springs	Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Round
Manhole Cover Diam (mm):	250
Manhole Length (mm):	
Manhole Width (mm):	
Manhole Condition:	3 - Good
Notes on Lid:	
Comments:	



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 12:26:01 PM

Insp ID: 763	Group 4 - Alice Springs	Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Round
Manhole Cover Diam (mm):	
Manhole Length (mm):	
Manhole Width (mm):	250
Manhole Condition:	3 - Good
Notes on Lid:	
Comments:	



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 12:20:11 PM

Insp ID: 768 Group 4 - Alice Springs Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Round
Manhole Cover Diam (mm):	250
Manhole Length (mm):	
Manhole Width (mm):	
Manhole Condition:	3 - Good
Notes on Lid:	
Comments:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 12:18:52 PM

Insp ID: 769	Group 4 - Alice Springs	Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Round
Manhole Cover Diam (mm):	450
Manhole Length (mm):	
Manhole Width (mm):	
Manhole Condition:	4 - Very Good
Notes on Lid:	
Comments:	



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 12:16:23 PM

Insp ID: 770 Group 4 - Alice Springs Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Rectangular
Manhole Cover Diam (mm):	
Manhole Length (mm):	1000
Manhole Width (mm):	700
Manhole Condition:	3 - Good
Notes on Lid:	Class d
Comments:	Lift not in place properly





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 12:01:19 PM

Insp ID: 775	Group 4 - Alice Springs	Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Rectangular
Manhole Cover Diam (mm):	
Manhole Length (mm):	1000
Manhole Width (mm):	700
Manhole Condition:	5 - Excellent
Notes on Lid:	
Comments:	



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 11:57:33 AM

Insp ID: 778	Group 4 - Alice Springs	Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Round
Manhole Cover Diam (mm):	250
Manhole Length (mm):	
Manhole Width (mm):	
Manhole Condition:	3 - Good
Notes on Lid:	
Comments:	



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 11:56:08 AM

Insp ID: 779	Group 4 - Alice Springs	Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Round
Manhole Cover Diam (mm):	450
Manhole Length (mm):	
Manhole Width (mm):	
Manhole Condition:	4 - Very Good
Notes on Lid:	
Comments:	



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 11:51:49 AM

Insp ID: 782 Group 4 - Alice Springs Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Rectangular
Manhole Cover Diam (mm):	
Manhole Length (mm):	1000
Manhole Width (mm):	700
Manhole Condition:	4 - Very Good
Notes on Lid:	
Comments:	



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 11:42:44 AM

Insp ID: 786 Group 4 - Alice Springs Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Round
Manhole Cover Diam (mm):	250
Manhole Length (mm):	
Manhole Width (mm):	
Manhole Condition:	4 - Very Good
Notes on Lid:	
Comments:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 11:41:38 AM

Insp ID: 787 Group 4 - Alice Springs Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Round
Manhole Cover Diam (mm):	250
Manhole Length (mm):	
Manhole Width (mm):	
Manhole Condition:	4 - Very Good
Notes on Lid:	
Comments:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 11:40:45 AM

Insp ID: 788	Group 4 - Alice Springs	Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Rectangular
Manhole Cover Diam (mm):	
Manhole Length (mm):	1000
Manhole Width (mm):	700
Manhole Condition:	4 - Very Good
Notes on Lid:	
Comments:	



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 1:07:46 PM

Insp ID: 795	Group 4 - Alice Springs	Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Round
Manhole Cover Diam (mm):	259
Manhole Length (mm):	
Manhole Width (mm):	
Manhole Condition:	4 - Very Good
Notes on Lid:	
Comments:	



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 1:06:31 PM

Insp ID: 796	Group 4 - Alice Springs	Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Rectangular
Manhole Cover Diam (mm):	
Manhole Length (mm):	1000
Manhole Width (mm):	700
Manhole Condition:	4 - Very Good
Notes on Lid:	
Comments:	



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 1:04:08 PM

Insp ID: 797 Group 4 - Alice Springs Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Rectangular
Manhole Cover Diam (mm):	
Manhole Length (mm):	1000
Manhole Width (mm):	700
Manhole Condition:	5 - Excellent
Notes on Lid:	
Comments:	Final stage of construction



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 1:02:10 PM

Insp ID: 799	Group 4 - Alice Springs	Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Rectangular
Manhole Cover Diam (mm):	
Manhole Length (mm):	1000
Manhole Width (mm):	700
Manhole Condition:	3 - Good
Notes on Lid:	Lid not positioned properly
Comments:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 1:00:45 PM

Insp ID: 801	Group 4 - Alice Springs	Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Round
Manhole Cover Diam (mm):	250
Manhole Length (mm):	
Manhole Width (mm):	
Manhole Condition:	4 - Very Good
Notes on Lid:	
Comments:	



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 1:00:09 PM

Insp ID: 802	Group 4 - Alice Springs	Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Round
Manhole Cover Diam (mm):	450
Manhole Length (mm):	
Manhole Width (mm):	
Manhole Condition:	4 - Very Good
Notes on Lid:	
Comments:	



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 12:59:37 PM

Insp ID: 803	Group 4 - Alice Springs	Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Round
Manhole Cover Diam (mm):	250
Manhole Length (mm):	
Manhole Width (mm):	
Manhole Condition:	4 - Very Good
Notes on Lid:	
Comments:	



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 12:57:06 PM

Insp ID: 806 Group 4 - Alice Springs Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Round
Manhole Cover Diam (mm):	450
Manhole Length (mm):	
Manhole Width (mm):	
Manhole Condition:	4 - Very Good
Notes on Lid:	Class d
Comments:	



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 12:56:14 PM

Insp ID: 807	Group 4 - Alice Springs	Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Round
Manhole Cover Diam (mm):	250
Manhole Length (mm):	
Manhole Width (mm):	
Manhole Condition:	4 - Very Good
Notes on Lid:	
Comments:	



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 12:55:28 PM

Insp ID: 808	Group 4 - Alice Springs	Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Round
Manhole Cover Diam (mm):	250
Manhole Length (mm):	
Manhole Width (mm):	
Manhole Condition:	4 - Very Good
Notes on Lid:	
Comments:	



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 12:54:48 PM

Insp ID: 809	Group 4 - Alice Springs	Ilpiye Ilpiye

What Sewerage Asset are you capturing:	Manholes
MH Cover Shape:	Round
Manhole Cover Diam (mm):	250
Manhole Length (mm):	
Manhole Width (mm):	
Manhole Condition:	4 - Very Good
Notes on Lid:	
Comments:	



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 10:33:38 AM

Insp ID: 705 Group 4 - Alice Springs Ilpiye Ilpiye

Road Name:	Golders Court
What are you inspecting:	Pavements
Ch From (km):	0.25
Ch To (km):	0.35
Road Type:	Sealed - asphalt
Section Width (m):	7.4
Road Condition:	5 - Excellent
General Comment:	

Road Defects Section

Kerbs Section

Kerb Type	Kerb Cond	Kerb Comments
Kerb and Gutter	5 - Excellent	Build up of leafs in gutter

Shoulders Section

Linemarking Section

Line Type	Other Line Type	Line Cond	Line Comments
Broken lane line		4 - Very Good	
Unbroken lane line		4 - Very Good	

Obstruction Section

Northern Territory Town Camps

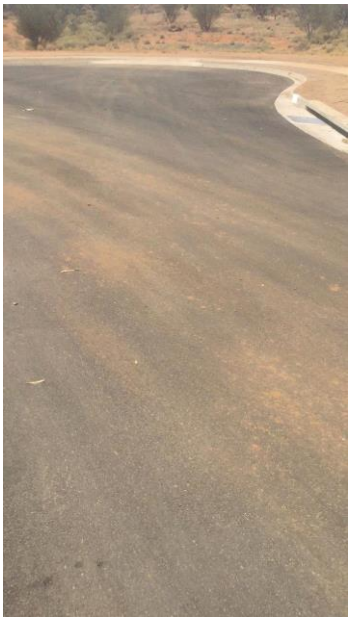
Civil Infrastructure

Inspection Date 18/11/2016 10:33:38 AM









Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 10:33:38 AM

Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 10:13:05 AM

Insp ID: 716 Group 4 - Alice Springs Ilpiye Ilpiye

Road Name:	Stirling Court
What are you inspecting:	Pavements
Ch From (km):	0
Ch To (km):	0.11
Road Type:	Sealed - asphalt
Section Width (m):	7.2
Road Condition:	5 - Excellent
General Comment:	

Road Defects Section

Kerbs Section

Kerb Type	Kerb Cond	Kerb Comments
Kerb and Gutter		

Shoulders Section

Linemarking Section

Line Type	Other Line Type	Line Cond	Line Comments
Unbroken lane line		4 - Very Good	Only at t intersection

Obstruction Section

Northern Territory Town Camps

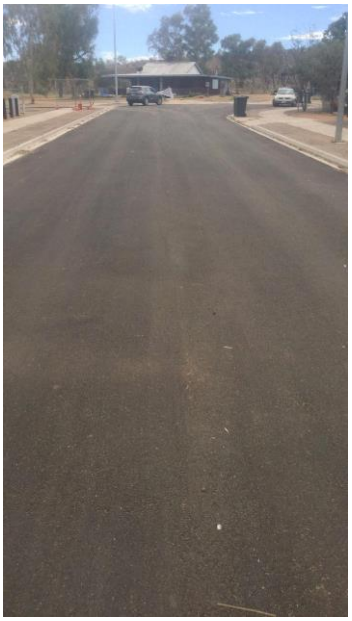
Civil Infrastructure

Inspection Date 18/11/2016 10:13:05 AM









Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 10:13:05 AM





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 11:31:22 AM

Insp ID: 726 Group 4 - Alice Springs Ilpiye Ilpiye

Road Name:	Arrkengke Court
What are you inspecting:	Pavements
Ch From (km):	0
Ch To (km):	0.05
Road Type:	Sealed - asphalt
Section Width (m):	7.4
Road Condition:	5 - Excellent
General Comment:	New road only 50 m long, some light coverage of dirt, excellent condition

Road Defects Section

Kerbs Section

Kerb Type	Kerb Cond	Kerb Comments
Kerb and Gutter	5 - Excellent	

Shoulders Section

Linemarking Section

Line Type	Other Line Type	Line Cond	Line Comments
Unbroken lane line		4 - Very Good	At t intersection only

Obstruction Section

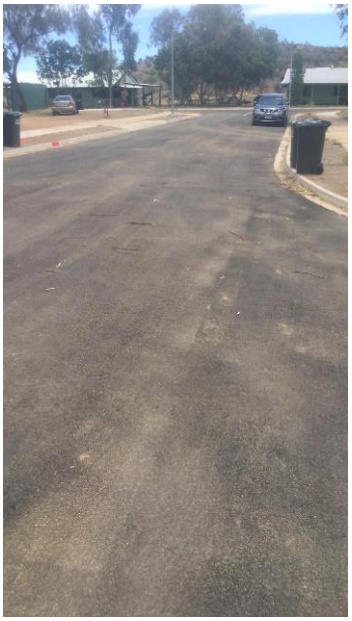
Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 11:31:22 AM









Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 11:31:22 AM





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 11:17:32 AM

Insp ID: 736 Group 4 - Alice Springs Ilpiye Ilpiye

Road Name:	Golders Court
What are you inspecting:	Pavements
Ch From (km):	0.15
Ch To (km):	0.25
Road Type:	Sealed - asphalt
Section Width (m):	7.4
Road Condition:	5 - Excellent
General Comment:	

Road Defects Section

Kerbs Section

Kerb Type	Kerb Cond	Kerb Comments
Kerb and Gutter	5 - Excellent	

Shoulders Section

Linemarking Section

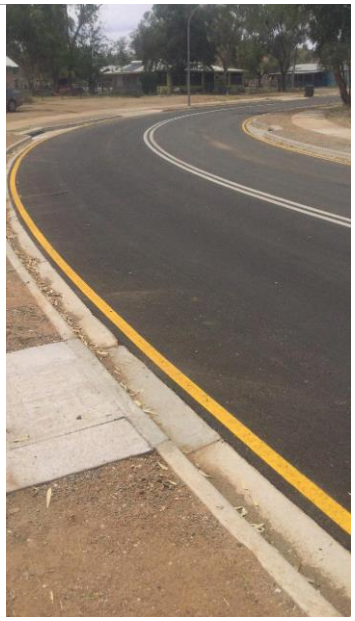
Line Type	Other Line Type	Line Cond	Line Comments
Unbroken lane line		4 - Very Good	
Yellow No Parking		4 - Very Good	
Broken lane line		4 - Very Good	

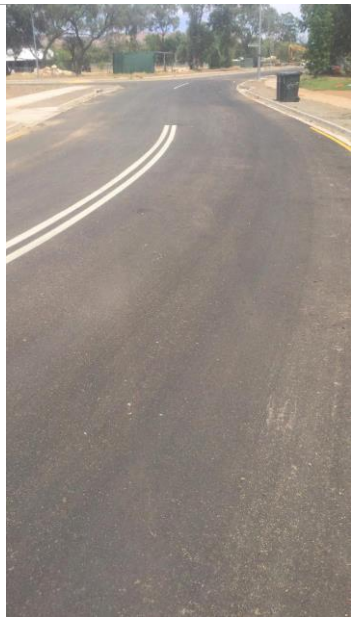
Obstruction Section

Northern Territory Town Camps

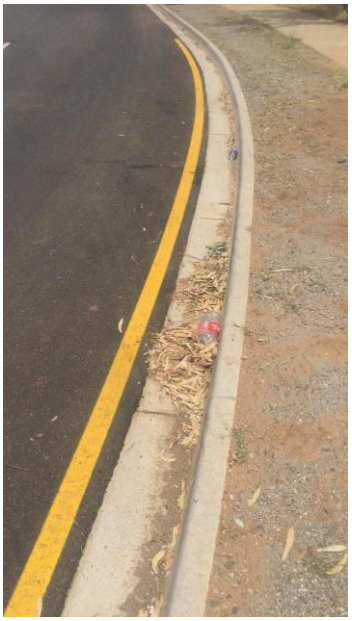
Civil Infrastructure

Inspection Date 18/11/2016 11:17:32 AM





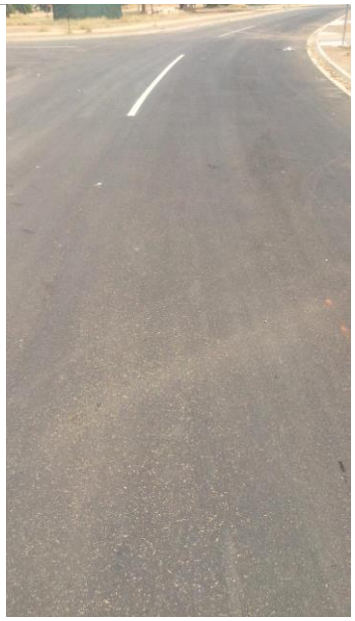




Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 11:17:32 AM



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 12:10:42 PM

Insp ID: 771 Group 4 - Alice Springs Ilpiye Ilpiye

Road Name:	Golders Court
What are you inspecting:	Pavements
Ch From (km):	-0.3
Ch To (km):	0
Road Type:	
Section Width (m):	7.4
Road Condition:	5 - Excellent
General Comment:	New road; name - Tjantuna approximately 300 m long

Road Defects Section

Kerbs Section

Kerb Type	Kerb Cond	Kerb Comments
Kerb and Gutter	5 - Excellent	

Shoulders Section

Linemarking Section

Line Type	Other Line Type	Line Cond	Line Comments
Broken lane line		4 - Very Good	Only at intersections

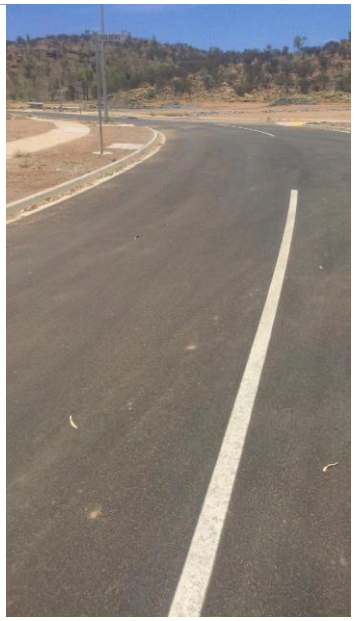
Obstruction Section

Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 12:10:42 PM





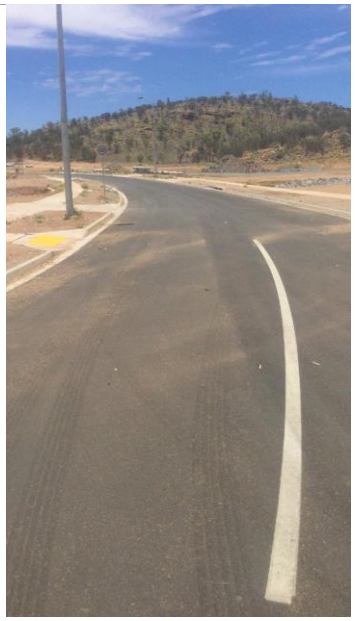




Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 12:10:42 PM





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 12:07:11 PM

Insp ID: 772 Group 4 - Alice Springs Ilpiye Ilpiye

Road Name:	Golders Court
What are you inspecting:	Pavements
Ch From (km):	0
Ch To (km):	0.1
Road Type:	Sealed - asphalt
Section Width (m):	7.4
Road Condition:	5 - Excellent
General Comment:	

Road Defects Section

Kerbs Section

Kerb Type	Kerb Cond	Kerb Comments
Kerb and Gutter	5 - Excellent	Some build up of leafs

Shoulders Section

Linemarking Section

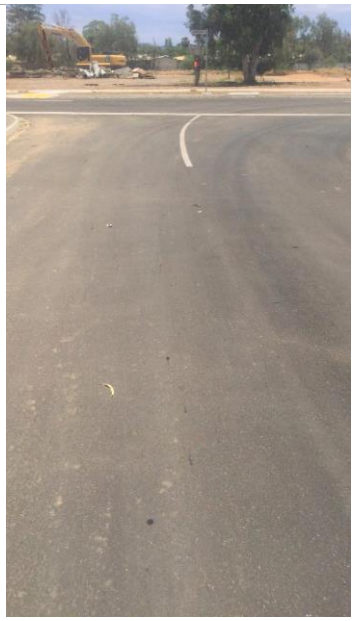
Line Type	Other Line Type	Line Cond	Line Comments
Broken lane line		4 - Very Good	Line markings only at intersectior
Unbroken lane line		4 - Very Good	Line markings only at intersectior

Obstruction Section

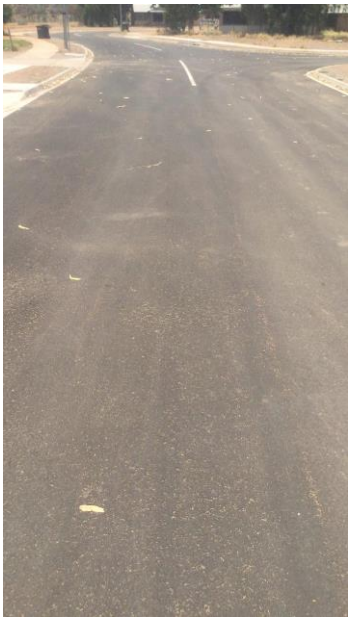
Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 12:07:11 PM









Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 12:07:11 PM

Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 1:13:29 PM

Insp ID: 792 Group 4 - Alice Springs Ilpiye Ilpiye

Road Name:	Golders Court
What are you inspecting:	Pavements
Ch From (km):	-0.35
Ch To (km):	-0.3
Road Type:	Sealed - asphalt
Section Width (m):	7.4
Road Condition:	5 - Excellent
General Comment:	New court at start of community

Road Defects Section

Kerbs Section

Shoulders Section

Linemarking Section

Line Type	Other Line Type	Line Cond	Line Comments
Broken lane line		4 - Very Good	

Obstruction Section

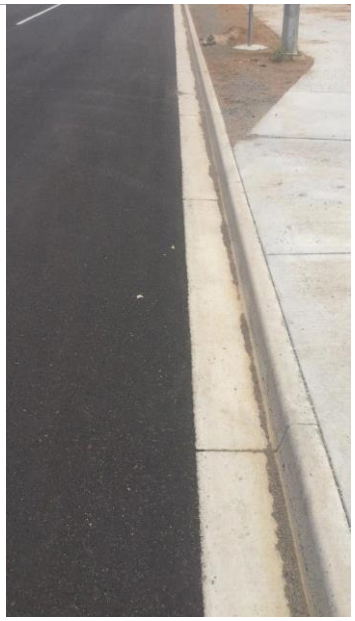




Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 1:13:29 PM





Northern Territory Town Camps

Civil Infrastructure

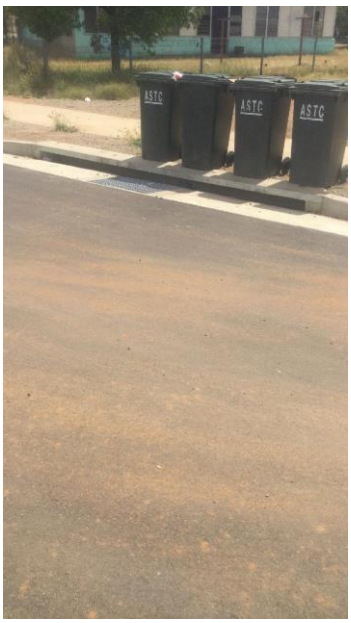
Inspection Date 18/11/2016 10:38:12 AM

Insp ID: 703	Group 4 - Alice Springs	Ilpiye Ilpiye

Stormwater Infrastructure:	SEP
Number of Bays:	4
On grade or sag pit:	
Both sides of road:	Both
Condition:	5 - Excellent
Blockage (%):	
Comment:	









Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 10:38:12 AM

Northern Territory Town Camps

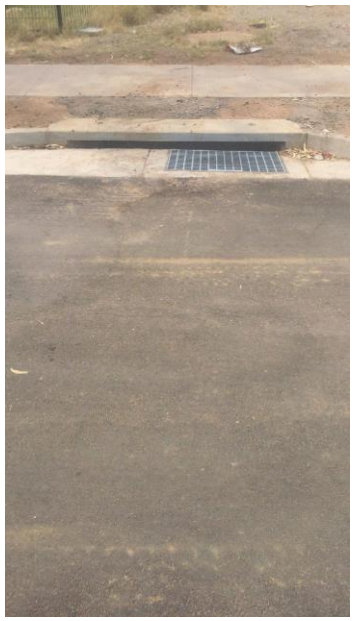
Civil Infrastructure

Inspection Date 18/11/2016 10:27:19 AM

Insp ID: 706	Group 4 - Alice Springs	Ilpiye Ilpiye

Stormwater Infrastructure:	SEP
Number of Bays:	2
On grade or sag pit:	
Both sides of road:	Right
Condition:	5 - Excellent
Blockage (%):	
Comment:	







Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 10:27:19 AM

Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 10:29:54 AM

Insp ID: 708	Group 4 - Alice Springs	Ilpiye Ilpiye

Stormwater Infrastructure:	SEP
Number of Bays:	4
On grade or sag pit:	
Both sides of road:	Left
Condition:	5 - Excellent
Blockage (%):	
Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 11:25:19 AM

Insp ID: 732 Group 4 - Alice Springs Ilpiye Ilpiye

Stormwater Infrastructure: SEP

Number of Bays:

On grade or sag pit:

Both sides of road:

Condition:

Blockage (%):

Comment:





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 11:22:19 AM

Insp ID: 734 Group 4 - Alice Springs Ilpiye Ilpiye

Stormwater Infrastructure:	SEP
Number of Bays:	2
On grade or sag pit:	
Both sides of road:	Both
Condition:	5 - Excellent
Blockage (%):	
Comment:	Small amount of rubbish and debris, not impacting SEP









Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 11:22:19 AM

Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 11:15:46 AM

Insp ID: 737 Group 4 - Alice Springs Ilpiye Ilpiye

Stormwater Infrastructure: SEP

Number of Bays:

On grade or sag pit:

Both sides of road:

Condition:

Blockage (%):

Comment:





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 11:14:10 AM

Insp ID: 738	Group 4 - Alice Springs	Ilpiye Ilpiye

Stormwater Infrastructure:	SEP
Number of Bays:	2
On grade or sag pit:	
Both sides of road:	Right
Condition:	5 - Excellent
Blockage (%):	
Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 11:10:12 AM

Insp ID: 739	Group 4 - Alice Springs	Ilpiye Ilpiye

Stormwater Infrastructure:	SEP
Number of Bays:	4
On grade or sag pit:	
Both sides of road:	Left
Condition:	5 - Excellent
Blockage (%):	
Comment:	





Northern Territory Town Camps

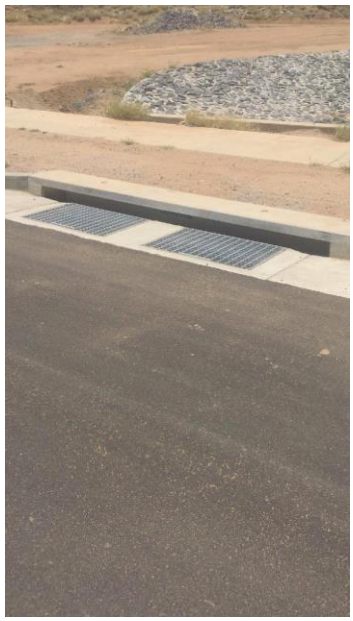
Civil Infrastructure

Inspection Date 18/11/2016 12:34:56 PM

Insp ID: 757	Group 4 - Alice Springs	Ilpiye Ilpiye

Stormwater Infrastructure:	SEP
Number of Bays:	4
On grade or sag pit:	
Both sides of road:	Both
Condition:	5 - Excellent
Blockage (%):	
Comment:	









Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 12:34:56 PM

Northern Territory Town Camps

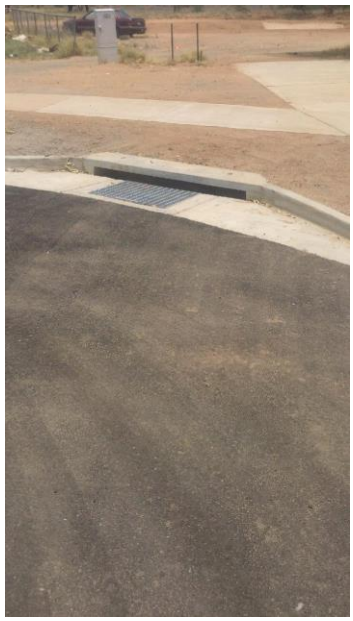
Civil Infrastructure

Inspection Date 18/11/2016 12:30:54 PM

Insp ID: 760	Group 4 - Alice Springs	Ilpiye Ilpiye

Stormwater Infrastructure:	SEP
Number of Bays:	2
On grade or sag pit:	
Both sides of road:	Left
Condition:	5 - Excellent
Blockage (%):	
Comment:	







Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 12:30:54 PM

Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 12:27:36 PM

Insp ID: 761	Group 4 - Alice Springs	Ilpiye Ilpiye

Stormwater Infrastructure:	SEP
Number of Bays:	2
On grade or sag pit:	
Both sides of road:	Left
Condition:	5 - Excellent
Blockage (%):	
Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 12:22:37 PM

Insp ID: 766	Group 4 - Alice Springs	Ilpiye Ilpiye

Stormwater Infrastructure: SEP

Number of Bays:

On grade or sag pit:

Both sides of road:

Condition:

Blockage (%):

Comment:





Northern Territory Town Camps

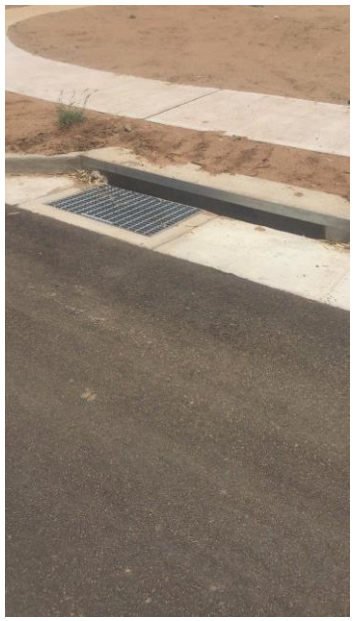
Civil Infrastructure

Inspection Date 18/11/2016 12:05:50 PM

Insp ID: 773	Group 4 - Alice Springs	Ilpiye Ilpiye

Stormwater Infrastructure:	SEP
Number of Bays:	2
On grade or sag pit:	
Both sides of road:	Both
Condition:	5 - Excellent
Blockage (%):	
Comment:	









Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 12:05:50 PM

Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 11:58:27 AM

Insp ID: 777	Group 4 - Alice Springs	Ilpiye Ilpiye

Stormwater Infrastructure: SEP

Number of Bays:

On grade or sag pit:

Both sides of road:

Condition:

Blockage (%):

Comment:



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 11:43:50 AM

Insp ID: 785	Group 4 - Alice Springs	Ilpiye Ilpiye

Stormwater Infrastructure:	SEP
Number of Bays:	2
On grade or sag pit:	
Both sides of road:	Left
Condition:	5 - Excellent
Blockage (%):	
Comment:	



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 1:07:30 PM

Insp ID: 794	Group 4 - Alice Springs	Ilpiye Ilpiye

Stormwater Infrastructure:	SEP
Number of Bays:	5
On grade or sag pit:	
Both sides of road:	Left
Condition:	5 - Excellent
Blockage (%):	
Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 1:03:19 PM

Insp ID: 798 Group 4 - Alice Springs Ilpiye Ilpiye

Stormwater Infrastructure:	SEP
Number of Bays:	2
On grade or sag pit:	
Both sides of road:	Left
Condition:	5 - Excellent
Blockage (%):	
Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 12:58:41 PM

Insp ID: 804	Group 4 - Alice Springs	Ilpiye Ilpiye

Stormwater Infrastructure:	SEP
Number of Bays:	2
On grade or sag pit:	
Both sides of road:	Left
Condition:	5 - Excellent
Blockage (%):	
Comment:	





Northern Territory Camps

Civil Infrastructure

Inspection Date 18/11/2016 10:23:35 AM

Insp ID: 712	Group 4 - Alice Springs	Ilpiye Ilpiye

Inspection Type:	Shade Structure
Shade Structure Type:	Table and Chairs
Shade Floor Type:	Concrete
Roof Type:	Tin Roof
Width (mm):	5
Length (mm):	8
Appearance:	4
Appearance Comment:	
Condition:	4 - Very Good
Comment:	





Northern Territory Camps

Civil Infrastructure

Inspection Date 18/11/2016 10:21:29 AM

Insp ID: 713 Group 4 - Alice Springs Ilpiye Ilpiye

Inspection Type:	Shade Structure
Shade Structure Type:	Play ground
Shade Floor Type:	Rubber Mats
Roof Type:	Not Covered
Width (mm):	10
Length (mm):	32
Appearance:	2
Appearance Comment:	Rubbish
Condition:	4 - Very Good
Comment:	





Northern Territory Camps

Civil Infrastructure

Inspection Date 18/11/2016 10:21:29 AM



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 11:24:21 AM

Insp ID: 733 Group 4 - Alice Springs Ilpiye Ilpiye

Road Name:	Golders Court
What are you inspecting:	Signs
Type of Sign:	Street name
Sign Condition:	5 - Excellent
Sign Comment:	
General Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 10:58:52 AM

Insp ID: 747 Group 4 - Alice Springs Ilpiye Ilpiye

Road Name:	Golders Court
What are you inspecting:	Signs
Type of Sign:	Street name
Sign Condition:	5 - Excellent
Sign Comment:	
General Comment:	









Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 12:34:03 PM

Insp ID: 758 Group 4 - Alice Springs Ilpiye Ilpiye

Road Name:

What are you inspecting: Signs

Type of Sign: 60 kph

Sign Condition: 5 - Excellent

Sign Comment:

General Comment:





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 12:19:55 PM

Insp ID: 767 Group 4 - Alice Springs Ilpiye Ilpiye

Road Name:	Golders Court
What are you inspecting:	Signs
Type of Sign:	Street name
Sign Condition:	5 - Excellent
Sign Comment:	
General Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 1:17:06 PM

Insp ID: 789	Group 4 - Alice Springs	Ilpiye Ilpiye

Road Name:

What are you inspecting: Signs

Type of Sign: No through road

Sign Condition: 5 - Excellent

Sign Comment:

General Comment:



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 1:13:14 PM

Insp ID: 791	Group 4 - Alice Springs	Ilpiye Ilpiye

Road Name:

What are you inspecting: Signs

Type of Sign: Street name

Sign Condition: 5 - Excellent

Sign Comment:

General Comment:



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 1:01:17 PM

Insp ID: 800	Group 4 - Alice Springs	Ilpiye Ilpiye

Road Name:

What are you inspecting: Signs

Type of Sign: Community sign

Sign Condition: 5 - Excellent

Sign Comment:

General Comment:



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 10:50:44 AM

Insp ID: 751 Group 4 - Alice Springs Ilpiye Ilpiye

Stormwater Infrastructure:	Swales
Type of lining:	Stone Pitching / Dumped Rock
Are dimensions uniform along drain:	Yes
Base Width (m):	2.5
Overall Width (m):	8.5
Swale Depth (m):	1
Length of Batter 1 (m):	3
Length of Batter 2 (m):	3
Swale Condition:	3 - Good
Swale Ponding:	Yes
Drain flooded at time of inspection:	Yes
Swale Comments:	Swale under construction, expected condition excellent when complete, likely to be grassed lined for most of Swale





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 10:50:44 AM



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 12:39:46 PM

Insp ID: 755 Group 4 - Alice Springs Ilpiye Ilpiye

Stormwater Infrastructure:	Swales
Type of lining:	Stone Pitching / Dumped Rock
Are dimensions uniform along drain:	Yes
Base Width (m):	5
Overall Width (m):	15
Swale Depth (m):	1.2
Length of Batter 1 (m):	5
Length of Batter 2 (m):	5
Swale Condition:	5 - Excellent
Swale Ponding:	No
Drain flooded at time of inspection:	No
Swale Comments:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 12:39:46 PM





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 11:59:56 AM

Insp ID: 776 Group 4 - Alice Springs Ilpiye Ilpiye

What Water Asset Are you Capturing: Taps

Diameter(mm):	20
Tap Leakage:	No
Tap Condition:	1 - Very Poor
Tap Comment:	Missing handle



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 10:27:28 AM

Insp ID: 709	Group 4 - Alice Springs	Ilpiye Ilpiye

What Water Asset Are you Capturing: Water Meter

Water Meter Type:	Lot
Bulk Water Meter Size (mm):	
Bulk Water Meter Condition:	
Bulk Water Meter Comment:	
Lot Number:	11
Lot Water Meter Size:	20
Lot Water Meter Condition:	3 - Good
Lot Water Meter Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 10:26:09 AM

Insp ID: 710	Group 4 - Alice Springs	Ilpiye Ilpiye

What Water Asset Are you Capturing: Water Meter

Water Meter Type:	Lot
Bulk Water Meter Size (mm):	
Bulk Water Meter Condition:	
Bulk Water Meter Comment:	
Lot Number:	9
Lot Water Meter Size:	20
Lot Water Meter Condition:	3 - Good
Lot Water Meter Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 10:19:15 AM

Insp ID: 715	Group 4 - Alice Springs	Ilpiye Ilpiye

What Water Asset Are you Capturing: Water Meter

Water Meter Type:	Lot
Bulk Water Meter Size (mm):	
Bulk Water Meter Condition:	
Bulk Water Meter Comment:	
Lot Number:	
Lot Water Meter Size:	20
Lot Water Meter Condition:	3 - Good
Lot Water Meter Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 10:11:49 AM

Insp ID: 717	Group 4 - Alice Springs	Ilpiye Ilpiye

What Water Asset Are you Capturing: Water Meter

Water Meter Type:	Lot
Bulk Water Meter Size (mm):	
Bulk Water Meter Condition:	
Bulk Water Meter Comment:	
Lot Number:	8
Lot Water Meter Size:	20
Lot Water Meter Condition:	3 - Good
Lot Water Meter Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 10:11:49 AM



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 10:06:14 AM

Insp ID: 720	Group 4 - Alice Springs	Ilpiye Ilpiye

What Water Asset Are you Capturing: Water Meter

Water Meter Type:	Lot
Bulk Water Meter Size (mm):	
Bulk Water Meter Condition:	
Bulk Water Meter Comment:	
Lot Number:	7
Lot Water Meter Size:	20
Lot Water Meter Condition:	3 - Good
Lot Water Meter Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 11:27:22 AM

Insp ID: 730 Group 4 - Alice Springs Ilpiye Ilpiye

What Water Asset Are you Capturing: Water Meter

Water Meter Type:	Lot
Bulk Water Meter Size (mm):	
Bulk Water Meter Condition:	
Bulk Water Meter Comment:	
Lot Number:	
Lot Water Meter Size:	20
Lot Water Meter Condition:	3 - Good
Lot Water Meter Comment:	Lot number Unknown





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 11:05:21 AM

Insp ID: 743	Group 4 - Alice Springs	Ilpiye Ilpiye

What Water Asset Are you Capturing: Water Meter

Water Meter Type:	Lot
Bulk Water Meter Size (mm):	
Bulk Water Meter Condition:	
Bulk Water Meter Comment:	
Lot Number:	
Lot Water Meter Size:	
Lot Water Meter Condition:	3 - Good
Lot Water Meter Comment:	Property number Unknown





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 11:03:17 AM

Insp ID: 744 Group 4 - Alice Springs Ilpiye Ilpiye

What Water Asset Are you Capturing: Water Meter

Water Meter Type:	Lot
Bulk Water Meter Size (mm):	
Bulk Water Meter Condition:	
Bulk Water Meter Comment:	
Lot Number:	13
Lot Water Meter Size:	20
Lot Water Meter Condition:	4 - Very Good
Lot Water Meter Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 12:24:52 PM

Insp ID: 764 Group 4 - Alice Springs Ilpiye Ilpiye

What Water Asset Are you Capturing: Water Meter

Water Meter Type: Lot

Bulk Water Meter Size (mm):

Bulk Water Meter Condition:

Bulk Water Meter Comment:

Lot Number:

Lot Water Meter Size:

Lot Water Meter Condition: 4 - Very Good

Lot Water Meter Comment:



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 12:23:48 PM

Insp ID: 765	Group 4 - Alice Springs	Ilpiye Ilpiye

What Water Asset Are you Capturing: Water Meter

Water Meter Type:	Lot
Bulk Water Meter Size (mm):	
Bulk Water Meter Condition:	
Bulk Water Meter Comment:	
Lot Number:	
Lot Water Meter Size:	
Lot Water Meter Condition:	3 - Good
Lot Water Meter Comment:	



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 11:53:02 AM

Insp ID: 780	Group 4 - Alice Springs	Ilpiye Ilpiye

What Water Asset Are you Capturing: Water Meter

Water Meter Type:	Lot
Bulk Water Meter Size (mm):	
Bulk Water Meter Condition:	
Bulk Water Meter Comment:	
Lot Number:	1
Lot Water Meter Size:	20
Lot Water Meter Condition:	4 - Very Good
Lot Water Meter Comment:	



Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 11:54:23 AM

Insp ID: 781	Group 4 - Alice Springs	Ilpiye Ilpiye

What Water Asset Are you Capturing: Water Meter

Water Meter Type:	Lot
Bulk Water Meter Size (mm):	
Bulk Water Meter Condition:	
Bulk Water Meter Comment:	
Lot Number:	3
Lot Water Meter Size:	20
Lot Water Meter Condition:	4 - Very Good
Lot Water Meter Comment:	





Northern Territory Town Camps

Civil Infrastructure

Inspection Date 18/11/2016 11:44:55 AM

Insp ID: 783	Group 4 - Alice Springs	Ilpiye Ilpiye

What Water Asset Are you Capturing: Water Meter

Water Meter Type:	Lot
Bulk Water Meter Size (mm):	
Bulk Water Meter Condition:	
Bulk Water Meter Comment:	
Lot Number:	
Lot Water Meter Size:	20
Lot Water Meter Condition:	3 - Good
Lot Water Meter Comment:	Number unknown





Electrical inspection report



A3 scale: 1:2,500

0 20 40 60 80 100 m

Date: 23/02/2017 Version: 3

Coordinate system: MGA94 Zone 52

NT Town Camp Infrastructure Assessments: Electrical

676 - Ilpeye Ilpeye Estate (Alice Springs)

3373

Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 18/11/2016 11:05:11 AM

Insp ID: 309 Group 4 - Alice Springs Ilpiye Ilpiye

What Category are you capturing:	Distribution Panel
What is Main Distribution Panel installation method:	Outdoor
Is the distribution panel labelled:	Yes
What is Distribution Panel main CB Rating:	Unknown
What is the main incoming cable type/Size to Distribution Panel:	Unknown
What is the condition of switchboard:	
Condition Comments:	Unknown
What is the condition of cables/glands into switchboard:	
Cable/Gland Condition Comments:	Unknown
Distribution Panels name plate access:	No







Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 18/11/2016 10:58:30 AM

Insp ID: 310 Group 4 - Alice Springs Ilpiye Ilpiye

What Comms Category are you capturing:	Distribution
What is distribution method to households:	Underground
Is it Shared with PWC:	
Is there Anti-climb barrier provided for this pole:	
What is Pole construction type:	
Is street light fitted:	
Is there concrete collar around the base of pole:	
What is the condition of tap off to house:	
What is the condition of pole:	
How many Lots are connected to this pole:	
Is there access to Pits to take a photo:	No
What is Pit Condition:	4
Underground Comments:	





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 18/11/2016 10:56:39 AM

Insp ID: 311 Group 4 - Alice Springs Ilpiye Ilpiye

What Category are you capturing:	Distribution Panel
What is Main Distribution Panel installation method:	Outdoor
Is the distribution panel labelled:	Yes
What is Distribution Panel main CB Rating:	Unknown
What is the main incoming cable type/Size to Distribution Panel:	Unknown
What is the condition of switchboard:	3
Condition Comments:	
What is the condition of cables/glands into switchboard:	
Cable/Gland Condition Comments:	Unknown
Distribution Panels name plate access:	No









Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 18/11/2016 10:56:39 AM



Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 18/11/2016 10:51:46 AM

Insp ID: 313 Group 4 - Alice Springs Ilpiye Ilpiye

What Comms Category are you capturing:	Distribution
What is distribution method to households:	Underground
Is it Shared with PWC:	
Is there Anti-climb barrier provided for this pole:	
What is Pole construction type:	
Is street light fitted:	
Is there concrete collar around the base of pole:	
What is the condition of tap off to house:	
What is the condition of pole:	
How many Lots are connected to this pole:	
Is there access to Pits to take a photo:	Yes
What is Pit Condition:	3
Underground Comments:	





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 18/11/2016 10:51:46 AM







Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 18/11/2016 10:45:54 AM

Insp ID: 315	Group 4 - Alice Springs	Ilpiye Ilpiye

What Comms Category are you capturing:	Distribution
What is distribution method to households:	Underground
Is it Shared with PWC:	
Is there Anti-climb barrier provided for this pole:	
What is Pole construction type:	
Is street light fitted:	
Is there concrete collar around the base of pole:	
What is the condition of tap off to house:	
What is the condition of pole:	
How many Lots are connected to this pole:	
Is there access to Pits to take a photo:	No
What is Pit Condition:	3
Underground Comments:	





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 18/11/2016 10:42:26 AM

Insp ID: 317 Group 4 - Alice Springs Ilpiye Ilpiye

What Comms Category are you capturing:	Distribution
What is distribution method to households:	Underground
Is it Shared with PWC:	
Is there Anti-climb barrier provided for this pole:	
What is Pole construction type:	
Is street light fitted:	
Is there concrete collar around the base of pole:	
What is the condition of tap off to house:	
What is the condition of pole:	
How many Lots are connected to this pole:	
Is there access to Pits to take a photo:	No
What is Pit Condition:	4
Underground Comments:	





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 18/11/2016 10:37:46 AM

Insp ID: 319	Group 4 - Alice Springs	Ilpiye Ilpiye

What Comms Category are you capturing:	Distribution
What is distribution method to households:	Underground
Is it Shared with PWC:	
Is there Anti-climb barrier provided for this pole:	
What is Pole construction type:	
Is street light fitted:	
Is there concrete collar around the base of pole:	
What is the condition of tap off to house:	
What is the condition of pole:	
How many Lots are connected to this pole:	
Is there access to Pits to take a photo:	No
What is Pit Condition:	3
Underground Comments:	





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 18/11/2016 10:36:42 AM

Insp ID: 320 Group 4 - Alice Springs Ilpiye Ilpiye

What Category are you capturing:	Distribution Panel
What is Main Distribution Panel installation method:	Outdoor
Is the distribution panel labelled:	Yes
What is Distribution Panel main CB Rating:	Unknown
What is the main incoming cable type/Size to Distribution Panel:	Unknown
What is the condition of switchboard:	4
Condition Comments:	
What is the condition of cables/glands into switchboard:	
Cable/Gland Condition Comments:	Unknown
Distribution Panels name plate access:	No







Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 18/11/2016 10:31:31 AM

Insp ID: 321 Group 4 - Alice Springs Ilpiye Ilpiye

What Comms Category are you capturing:	Distribution
What is distribution method to households:	Underground
Is it Shared with PWC:	
Is there Anti-climb barrier provided for this pole:	
What is Pole construction type:	
Is street light fitted:	
Is there concrete collar around the base of pole:	
What is the condition of tap off to house:	
What is the condition of pole:	
How many Lots are connected to this pole:	
Is there access to Pits to take a photo:	No
What is Pit Condition:	4
Underground Comments:	NBN service





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 18/11/2016 12:56:49 PM

Insp ID: 323	Group 4 - Alice Springs	Ilpiye Ilpiye

What Comms Category are you capturing:	Distribution
What is distribution method to households:	Underground
Is it Shared with PWC:	
Is there Anti-climb barrier provided for this pole:	
What is Pole construction type:	
Is street light fitted:	
Is there concrete collar around the base of pole:	
What is the condition of tap off to house:	
What is the condition of pole:	
How many Lots are connected to this pole:	
Is there access to Pits to take a photo:	No
What is Pit Condition:	3
Underground Comments:	





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 18/11/2016 12:55:59 PM

Insp ID: 324 Group 4 - Alice Springs Ilpiye Ilpiye

What Category are you capturing:	Distribution Panel
What is Main Distribution Panel installation method:	Outdoor
Is the distribution panel labelled:	No
What is Distribution Panel main CB Rating:	Unknown
What is the main incoming cable type/Size to Distribution Panel:	Unknown
What is the condition of switchboard:	3
Condition Comments:	
What is the condition of cables/glands into switchboard:	3
Cable/Gland Condition Comments:	Unknown
Distribution Panels name plate access:	No









Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 18/11/2016 12:44:03 PM

Insp ID: 327 Group 4 - Alice Springs Ilpiye Ilpiye

What Category are you capturing:	Distribution Panel
What is Main Distribution Panel installation method:	Outdoor
Is the distribution panel labelled:	No
What is Distribution Panel main CB Rating:	Unknown
What is the main incoming cable type/Size to Distribution Panel:	Unknown
What is the condition of switchboard:	3
Condition Comments:	
What is the condition of cables/glands into switchboard:	
Cable/Gland Condition Comments:	Unknown
Distribution Panels name plate access:	No









Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 18/11/2016 12:44:03 PM



Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 18/11/2016 12:41:58 PM

Insp ID: 328 Group 4 - Alice Springs Ilpiye Ilpiye

What Comms Category are you capturing:	Distribution
What is distribution method to households:	Underground
Is it Shared with PWC:	
Is there Anti-climb barrier provided for this pole:	
What is Pole construction type:	
Is street light fitted:	
Is there concrete collar around the base of pole:	
What is the condition of tap off to house:	
What is the condition of pole:	
How many Lots are connected to this pole:	
Is there access to Pits to take a photo:	No
What is Pit Condition:	4
Underground Comments:	





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 18/11/2016 12:38:10 PM

Insp ID: 330 Group 4 - Alice Springs Ilpiye Ilpiye

What Category are you capturing:	Distribution Panel
What is Main Distribution Panel installation method:	Outdoor
Is the distribution panel labelled:	No
What is Distribution Panel main CB Rating:	Unknown
What is the main incoming cable type/Size to Distribution Panel:	Unknown
What is the condition of switchboard:	3
Condition Comments:	
What is the condition of cables/glands into switchboard:	
Cable/Gland Condition Comments:	Unknown
Distribution Panels name plate access:	No







Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 18/11/2016 12:32:00 PM

Insp ID: 331 Group 4 - Alice Springs Ilpiye Ilpiye

What Comms Category are you capturing:	Distribution
What is distribution method to households:	Underground
Is it Shared with PWC:	
Is there Anti-climb barrier provided for this pole:	
What is Pole construction type:	
Is street light fitted:	
Is there concrete collar around the base of pole:	
What is the condition of tap off to house:	
What is the condition of pole:	
How many Lots are connected to this pole:	
Is there access to Pits to take a photo:	No
What is Pit Condition:	4
Underground Comments:	





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 18/11/2016 12:05:44 PM

Insp ID: 336 Group 4 - Alice Springs Ilpiye Ilpiye

What Comms Category are you capturing:	Distribution
What is distribution method to households:	Underground
Is it Shared with PWC:	
Is there Anti-climb barrier provided for this pole:	
What is Pole construction type:	
Is street light fitted:	
Is there concrete collar around the base of pole:	
What is the condition of tap off to house:	
What is the condition of pole:	
How many Lots are connected to this pole:	
Is there access to Pits to take a photo:	No
What is Pit Condition:	3
Underground Comments:	





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 18/11/2016 12:03:59 PM

Insp ID: 337 Group 4 - Alice Springs Ilpiye Ilpiye

What Comms Category are you capturing:	Distribution
What is distribution method to households:	Underground
Is it Shared with PWC:	
Is there Anti-climb barrier provided for this pole:	
What is Pole construction type:	
Is street light fitted:	
Is there concrete collar around the base of pole:	
What is the condition of tap off to house:	
What is the condition of pole:	
How many Lots are connected to this pole:	
Is there access to Pits to take a photo:	No
What is Pit Condition:	3
Underground Comments:	





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 18/11/2016 12:03:04 PM

Insp ID: 338 Group 4 - Alice Springs Ilpiye Ilpiye

What Comms Category are you capturing:	Distribution
What is distribution method to households:	Underground
Is it Shared with PWC:	
Is there Anti-climb barrier provided for this pole:	
What is Pole construction type:	
Is street light fitted:	
Is there concrete collar around the base of pole:	
What is the condition of tap off to house:	
What is the condition of pole:	
How many Lots are connected to this pole:	
Is there access to Pits to take a photo:	No
What is Pit Condition:	3
Underground Comments:	





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 18/11/2016 11:59:46 AM

Insp ID: 340	Group 4 - Alice Springs	Ilpiye Ilpiye

What Comms Category are you capturing:	Distribution
What is distribution method to households:	Underground
Is it Shared with PWC:	
Is there Anti-climb barrier provided for this pole:	
What is Pole construction type:	
Is street light fitted:	
Is there concrete collar around the base of pole:	
What is the condition of tap off to house:	
What is the condition of pole:	
How many Lots are connected to this pole:	
Is there access to Pits to take a photo:	No
What is Pit Condition:	2
Underground Comments:	Pit cover cracked





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 18/11/2016 11:58:40 AM

Insp ID: 341 Group 4 - Alice Springs Ilpiye Ilpiye

What Category are you capturing:	Distribution Panel
What is Main Distribution Panel installation method:	Outdoor
Is the distribution panel labelled:	No
What is Distribution Panel main CB Rating:	Unknown
What is the main incoming cable type/Size to Distribution Panel:	Unknown
What is the condition of switchboard:	3
Condition Comments:	
What is the condition of cables/glands into switchboard:	
Cable/Gland Condition Comments:	Unknown
Distribution Panels name plate access:	No







Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 18/11/2016 11:23:22 AM

Insp ID: 344 Group 4 - Alice Springs Ilpiye Ilpiye

What Comms Category are you capturing:	Distribution
What is distribution method to households:	Underground
Is it Shared with PWC:	
Is there Anti-climb barrier provided for this pole:	
What is Pole construction type:	
Is street light fitted:	
Is there concrete collar around the base of pole:	
What is the condition of tap off to house:	
What is the condition of pole:	
How many Lots are connected to this pole:	
Is there access to Pits to take a photo:	No
What is Pit Condition:	4
Underground Comments:	





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 18/11/2016 11:18:32 AM

Insp ID: 346	Group 4 - Alice Springs	Ilpiye Ilpiye

What Comms Category are you capturing:	Distribution
What is distribution method to households:	Underground
Is it Shared with PWC:	
Is there Anti-climb barrier provided for this pole:	
What is Pole construction type:	
Is street light fitted:	
Is there concrete collar around the base of pole:	
What is the condition of tap off to house:	
What is the condition of pole:	
How many Lots are connected to this pole:	
Is there access to Pits to take a photo:	No
What is Pit Condition:	4
Underground Comments:	





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 18/11/2016 1:18:53 PM

Insp ID: 349 Group 4 - Alice Springs Ilpiye Ilpiye

What Comms Category are you capturing:	Distribution
What is distribution method to households:	Underground
Is it Shared with PWC:	
Is there Anti-climb barrier provided for this pole:	
What is Pole construction type:	
Is street light fitted:	
Is there concrete collar around the base of pole:	
What is the condition of tap off to house:	
What is the condition of pole:	
How many Lots are connected to this pole:	
Is there access to Pits to take a photo:	No
What is Pit Condition:	3
Underground Comments:	





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 18/11/2016 1:17:53 PM

Insp ID: 350 Group 4 - Alice Springs Ilpiye Ilpiye

What Category are you capturing:	Distribution Panel
What is Main Distribution Panel installation method:	Outdoor
Is the distribution panel labelled:	No
What is Distribution Panel main CB Rating:	Unknown
What is the main incoming cable type/Size to Distribution Panel:	Unknown
What is the condition of switchboard:	3
Condition Comments:	Unknown
What is the condition of cables/glands into switchboard:	3
Cable/Gland Condition Comments:	Unknown
Distribution Panels name plate access:	









Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 18/11/2016 1:17:53 PM



Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 18/11/2016 1:11:58 PM

Insp ID: 351	Group 4 - Alice Springs	Ilpiye Ilpiye

What Comms Category are you capturing:	Distribution
What is distribution method to households:	Underground
Is it Shared with PWC:	
Is there Anti-climb barrier provided for this pole:	
What is Pole construction type:	
Is street light fitted:	
Is there concrete collar around the base of pole:	
What is the condition of tap off to house:	
What is the condition of pole:	
How many Lots are connected to this pole:	
Is there access to Pits to take a photo:	No
What is Pit Condition:	3
Underground Comments:	





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 18/11/2016 1:10:52 PM

Insp ID: 352 Group 4 - Alice Springs Ilpiye Ilpiye

What Category are you capturing:	Distribution Panel
What is Main Distribution Panel installation method:	Outdoor
Is the distribution panel labelled:	No
What is Distribution Panel main CB Rating:	Unknown
What is the main incoming cable type/Size to Distribution Panel:	Unknown
What is the condition of switchboard:	
Condition Comments:	Unknown
What is the condition of cables/glands into switchboard:	
Cable/Gland Condition Comments:	Unknown
Distribution Panels name plate access:	No









Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 18/11/2016 1:06:53 PM

Insp ID: 357 Group 4 - Alice Springs Ilpiye Ilpiye

What Comms Category are you capturing:	Distribution
What is distribution method to households:	Underground
Is it Shared with PWC:	
Is there Anti-climb barrier provided for this pole:	
What is Pole construction type:	
Is street light fitted:	
Is there concrete collar around the base of pole:	
What is the condition of tap off to house:	
What is the condition of pole:	
How many Lots are connected to this pole:	
Is there access to Pits to take a photo:	No
What is Pit Condition:	2
Underground Comments:	Apparently under construction





Northern Territory Town Camps

Electrical Infrastructure

Inspection Date 18/11/2016 1:05:35 PM

Insp ID: 358 Group 4 - Alice Springs Ilpiye Ilpiye

What Category are you capturing:	Distribution Panel
What is Main Distribution Panel installation method:	Outdoor
Is the distribution panel labelled:	No
What is Distribution Panel main CB Rating:	Unknown
What is the main incoming cable type/Size to Distribution Panel:	Unknown
What is the condition of switchboard:	2
Condition Comments:	Probably mechanical damage/pressure. Fenced ar
What is the condition of cables/glands into switchboard:	
Cable/Gland Condition Comments:	Unknown
Distribution Panels name plate access:	No







