



City of
Greater Geraldton
a vibrant future



INFRASTRUCTURE SERVICES

ATTACHMENTS

IS156 RFT 03 01718 – PLANT AND PERSONNEL HIRE FOR
CGG RURAL ROADS FLOOD DAMAGE REPAIRS

IS157 HMAS SYDNEY II MEMORIAL PUBLIC FACILITIES

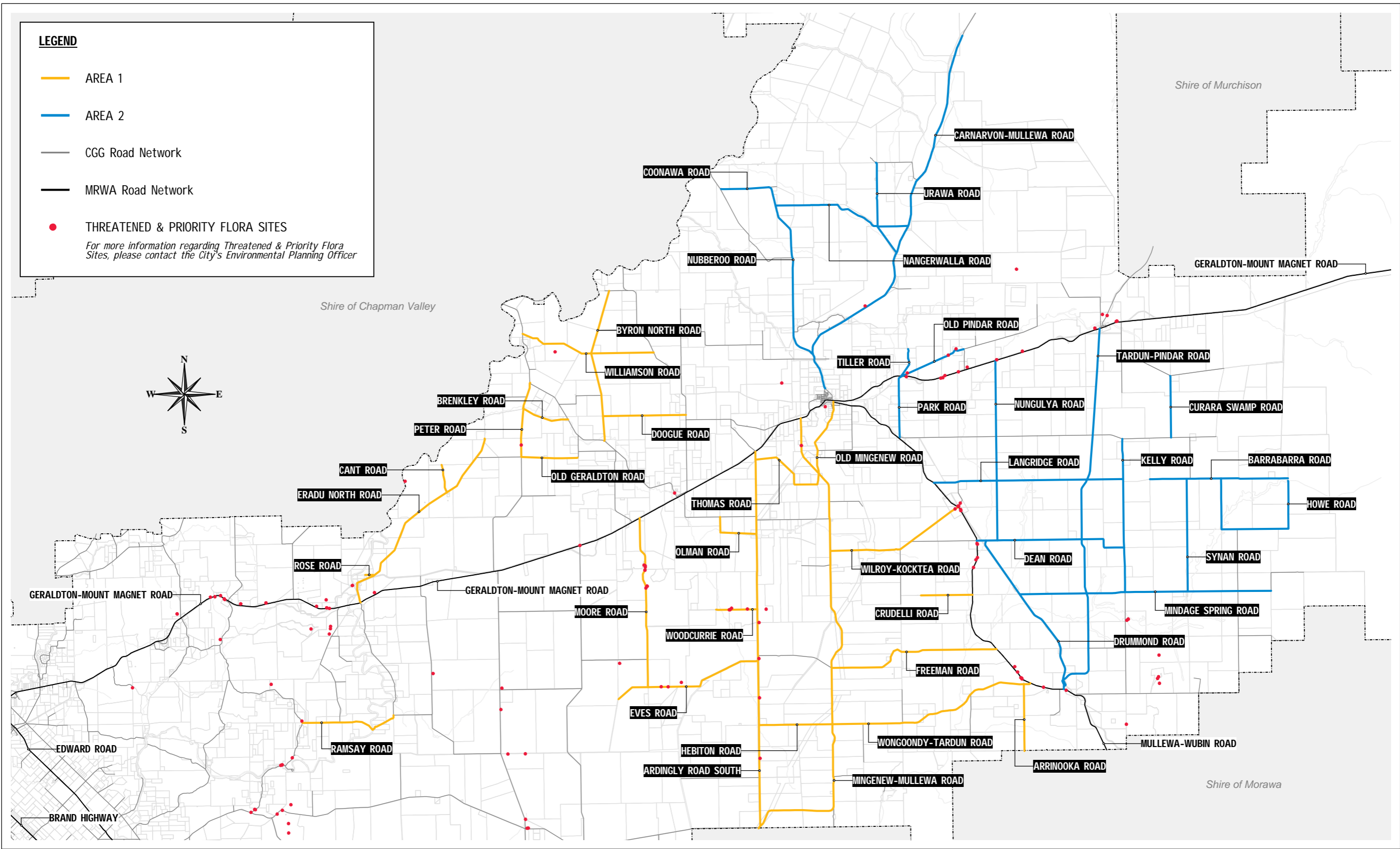
26 SEPTEMBER 2017

CITY OF GREATER GERALDTON - Damage Repair Listing							
SLK START	SLK END	LENGTH (L/M)	AVERAGE ESTIMATED WIDTH (M)	AREA (M2)	POSITION	DESCRIPTION OF DAMAGE	REINSTATEMENT REQUIRED
ROAD No	5050609	ARDINGLY SOUTH ROAD					
3.140	3.490	350	8	2800	FW	Water over road - shoulders washed away and pavement damaged	Reconstruct unsealed floodway
11.040	11.270	230	8	1840	FW	Road sheeting washed away.	Reform and resheet formation.
25.640	25.780	140	8	1120	FW	Road formation washed away.	Reform and resheet formation.
0.000	0.000	3662	8	29296	FW	Road pavement damaged	Light Reshape
0.000	0.000	0	8	0	FW	Road pavement damaged	Medium Reshape
0.000	37.340	0	8	0	FW	Road pavement damaged	Heavy Reshape
ROAD No	5050638	ARRINOOKA ROAD					
0.000	5.090	5090	8	40720	FW	Road sheeting washed away.	Resheet formation. (resheet hit & miss whole length)
0.000	6.630	0	8	0	FW	Road pavement damaged	Light Reshape
0.000	6.630	0	8	0	FW	Road pavement damaged	Medium Reshape
0.000	6.630	0	8	0	FW	Road pavement damaged	Heavy Reshape
ROAD No	5050744	BARRABARRA ROAD					
0.010	1.230	1220	8	9760	FW	Road silted up.	Remove silt from pavement. Heavy grade - unsealed.
4.190	5.170	980	8	7840	L	Roadside drain silted, some sheeting washed away	Remove silt from drainline. Heavy Reshape - unsealed.
5.950	6.060	110	8	880	FW	Unsealed floodway damage.	Reconstruct unsealed floodway
0.000	11.760	0	8	0	FW	Road pavement damaged	Light Reshape
0.000	11.760	0	8	0	FW	Road pavement damaged	Medium Reshape
0.000	11.760	0	8	0	FW	Road pavement damaged	Heavy Reshape
ROAD No	5050660	BRENKLEY ROAD					
3.640	3.850	210	8	1680	FW	Whole of formation/pavement destroyed.	Reconstruct asphalt sealed Floodway
0.000	4.720	0	8	0	FW	Road pavement damaged	Light Reshape
0.000	4.720	0	8	0	FW	Road pavement damaged	Medium Reshape
0.000	4.720	0	8	0	FW	Road pavement damaged	Heavy Reshape
ROAD No	5050633	BYRON NORTH ROAD					
0.000	0.000	0	8	0			
0.000	15.280	0	8	0	FW	Road pavement damaged	Light Reshape
0.000	15.280	0	8	0	FW	Road pavement damaged	Medium Reshape
0.000	15.280	1528	8	12224	FW	Road pavement damaged	Heavy Reshape
ROAD No	5050693	CANT ROAD					
0.200	1.800	1600	8	12800	L/R	Drainline scoured. Roadside drain silted. Road sheeting washed away.	Remove silt, form up and gravel sheet
0.000	3.390	0	8	0	L/R	Road pavement damaged	Light Reshape
0.000	3.390	0	8	0	L/R	Road pavement damaged	Medium Reshape
0.000	3.390	0	8	0	L/R	Road pavement damaged	Heavy Reshape
ROAD No	5050756	CARNARVON - MULLEWA ROAD					
10.000	11.140	1140	8	9120	L/R	Offshoot bund/bund blown out, shoulder/drainline scour & silt.	Remove silt/ reform drainlines, reform/reconstruct shoulders (2 sides)
14.640	15.520	880	8	7040	L	Drainlines scoured/scoured, pavement scoured	Remove silt from drainline. Heavy Reshape - unsealed.
15.750	16.240	490	8	3920	L	Drainlines scoured	Remove silt from drainline. Heavy Reshape - unsealed.
19.050	19.180	130	8	1040	L/R	Drainlines scoured silted/scoured	Remove silt/ reform drainlines, reform/reconstruct shoulders (2 sides)
21.520	22.000	480	8	3840	R	Shoulder/drainline scour & silt.	Remove silt/ reform drainlines, reform/reconstruct shoulders (2 sides)
22.420	22.460	40	8	320	R	Drainlines scoured	Remove silt/ reform drainlines, reform/reconstruct shoulders, replace rock protection (1 side)
38.650	38.670	20	8	160	R	Offshoot bund/bund blown out	Repair drainage bund x 1
41.660	42.140	480	8	3840	R	Offshoot bund/bund blown out x 3	Repair drainage bund x 3
46.850	47.000	150	2	300	L/R	Sealed road shoulders washed away	Reconstruct formation. (Reinstate 2 mtrs of sealed shoulder and gravel shoulder)
52.050	53.170	1120	8	8960	L	Drainlines and shoulder scoured/silted	Remove silt/ reform drainlines, reform/reconstruct shoulders (2 sides)
70.840	70.870	30	8	240	L	Sealed floodway edge	Reconstruct gravel shoulders in floodway area
72.410	72.430	20	8	160	L	Sealed pavement washed away - stripped	Reconstruct formation. (Reinstate 2 mtrs of sealed shoulder and gravel shoulder)
23.000	75.930	9436	4	37744	L & R	Shoulder pavement damaged	Heavy Shoulder Reshape
0.000	23.000	0	8	0	FW	Road pavement damaged	Light Reshape
0.000	23.000	3379	8	27030	FW	Road pavement damaged	Medium Reshape
0.000	23.000	6757	8	54060	FW	Road pavement damaged	Heavy Reshape
ROAD No	5050711	CRUDELLI ROAD					
0.800	1.080	280	8	2240	R/L	Roadside drain silted.	Remove silt from drainline.
0.000	5.130	0	8	0	LH	Road pavement damaged	Light Reshape
0.000	5.130	0	8	0	LH	Road pavement damaged	Medium Reshape
0.000	5.130	0	8	0	LH	Road pavement damaged	Heavy Reshape
ROAD No	5050630	CURARA SWAMP ROAD					
0.000	0.015	15	8	120		Bitumen Seal Peeling up	Repair damaged/peeled sealed pavement
0.000	6.190	0	8	0	FW	Road pavement damaged	Light Reshape
0.000	6.190	0	8	0	FW	Road pavement damaged	Medium Reshape
0.000	6.190	0	8	0	FW	Road pavement damaged	Heavy Reshape
ROAD No	5050625	DEAN ROAD					
9.480	10.290	810	8	6480	L/R	Drainlines scoured.	Reshape/reconstruct drainline
11.330	11.960	630	8	5040	L/R	Roadside drain silted.	Remove silt from drainline.
11.960	12.740	780	8	6240	FW	Road silted up.	Remove silt from pavement. Resheet.
0.000	15.280	0	8	0	FW	Road pavement damaged	Light Reshape
0.000	15.280	0	8	0	FW	Road pavement damaged	Medium Reshape
0.000	15.280	0	8	0	FW	Road pavement damaged	Heavy Reshape
ROAD No	5050723	DOOGUE ROAD					
0.780	2.140	1360	8	10880	FW	Roadside drain silted. Drainlines scoured.	Reform and resheet formation. (Silt scoured, washed full length, reform full section)
3.140	4.690	1550	8	12400	L/R	Roadside drain silted. Drainlines scoured.	Reshape/reconstruct drainline. (Drains require some gravel for edges)
0.000	8.220	0	8	0	FW	Road pavement damaged	Light Reshape
0.000	8.220	0	8	0	FW	Road pavement damaged	Medium Reshape
0.000	8.220	0	8	0	FW	Road pavement damaged	Heavy Reshape
ROAD No	5051017	ERADU NORTH ROAD					
14.760	16.490	1730	8	13840	L/R	Drainlines scoured.	Remove silt from drainline. Reshape/reconstruct drainline.
18.880	20.020	1140	8	9120	L/R	Drainlines scoured.	Remove silt from drainline. Reshape/reconstruct drainline.
0.000	22.020	0	8	0	FW	Road pavement damaged	Light Reshape
0.000	22.020	0	8	0	FW	Road pavement damaged	Medium Reshape
0.000	22.020	0	8	0	FW	Road pavement damaged	Heavy Reshape
ROAD No	5050631	EVES ROAD					
1.410	1.550	140	8	1120	R	Drainlines and pavement scoured.	Reform drainlines, pavement and resheet.
0.000	13.110	0	8	0	FW	Road pavement damaged	Light Reshape
0.000	13.110	0	8	0	FW	Road pavement damaged	Medium Reshape
0.000	13.110	0	8	0	FW	Road pavement damaged	Heavy Reshape

ROAD No	5050637	FREEMAN ROAD					
2.910	4.850	1940	8	15520	FW	Road formation silted, washed away.	Remove silt, form up and gravel sheet
8.240	8.330	90	8	720	L	Road formation silted, washed away.	Remove silt, form up and gravel sheet
10.730	11.270	540	8	4320	FW	Road formation silted, washed away.	Remove silt, form up and gravel sheet
12.100	12.200	100	8	800	FW	Road formation silted, washed away.	Remove silt, form up and gravel sheet
14.070	15.040	970	8	7760	FW	Road formation silted, washed away.	Remove silt, form up and gravel sheet
17.170	17.260	90	8	720	FW	Road formation silted, washed away.	Remove silt, form up and gravel sheet
0.000	17.580	0	8	0	FW	Road pavement damaged	Light Reshape
0.000	17.580	0	8	0	FW	Road pavement damaged	Meduim Reshape
0.000	17.580	2770	8	22160	FW	Road pavement damaged	Heavy Reshape
ROAD No	5050639	HEBITON ROAD					
2.140	2.780	640	8	5120	FW	Road pavement and drainlines silted, scoured, washed away	Remove silt, form up and gravel sheet
3.470	3.570	100	8	800	FW	Road pavement and drainlines silted, scoured, washed away	Remove silt, form up and gravel sheet.
4.400	4.430	30	8	240	FW	Road pavement and drainlines silted, scoured, washed away	Remove silt, form up and gravel sheet.
6.950	7.300	350	8	2800	FW	Road pavement and drainlines silted, scoured, washed away	Remove silt, form up and gravel sheet.
0.000	7.320	0	8	0	FW	Road pavement damaged	Light Reshape
0.000	7.320	0	8	0	FW	Road pavement damaged	Meduim Reshape
0.000	7.320	1240	8	9920	FW	Road pavement damaged	Heavy Reshape
ROAD No	5050622	HOWE ROAD					
3.200	3.760	560	8	4480	FW	Drainlines silted and pavement damaged	Remove Silt/Heavy Reshape
5.650	6.300	650	8	5200	FW	Drainlines silted and pavement damaged	Remove Silt/Heavy Reshape
0.000	14.210	0	8	0	FW	Road pavement damaged	Light Reshape
0.000	14.210	0	8	0	FW	Road pavement damaged	Meduim Reshape
0.000	14.210	0	8	0	FW	Road pavement damaged	Heavy Reshape
ROAD No	5050607	KELLY ROAD					
10.920	11.330	410	8	3280	R	Roadside drain silted and shoulder scoured	Remove silt/ reform drainlines, reform/reconstruct shoulders (1 side)
19.170	19.560	390	8	3120	R	Roadside drain silted and shoulder scoured	Remove silt/ reform drainlines, reform/reconstruct shoulders (1 side)
0.000	25.460	0	8	0	FW	Road pavement damaged	Light Reshape
0.000	25.460	0	8	0	FW	Road pavement damaged	Meduim Reshape
0.000	25.460	0	8	0	FW	Road pavement damaged	Heavy Reshape
ROAD No	5050614	LANGRIDGE ROAD					
0.330	0.940	610	8	4880	FW	Roadside drain silted and shoulder scoured	Remove silt/ reform drainlines, reform/reconstruct shoulders (1 side)
1.740	1.890	150	8	1200	L/R	Roadside drain silted and shoulder scoured	Remove silt/ reform drainlines, reform/reconstruct shoulders (1 side)
5.060	5.170	110	8	880	L/R	Roadside drain silted and shoulder scoured	Remove silt/ reform drainlines, reform/reconstruct shoulders (1 side)
7.460	7.550	90	8	720	FW	Roadside drain/pavment silted and scoured	Remove silt, form up and gravel sheet.
7.700	8.090	390	8	3120	FW	Roadside drain/pavment silted and scoured	Remove silt, form up and gravel sheet.
9.800	10.270	470	8	3760	FW	Roadside drain/pavment silted and scoured	Remove silt, form up and gravel sheet.
0.000	18.700	0	8	0	FW	Road pavement damaged	Light Reshape
0.000	18.700	0	8	0	FW	Road pavement damaged	Meduim Reshape
0.000	18.700	0	8	0	FW	Road pavement damaged	Heavy Reshape
ROAD No	5050626	MINDAGE SPRINGS					
2.780	2.890	110	8	880	FW	Sealed floodway pavement washed away - stripped.	Reconstruct sealed floodway
2.890	3.580	690	8	5520	L	Drainlines and pavement scoured/silted	Remove silt, form up and gravel sheet.
9.520	9.730	210	8	1680	R	Roadside drain silted and shoulder scoured	Remove silt/ reform drainlines, reform/reconstruct shoulders (1 side)
0.000	24.900	0	8	0	FW	Road pavement damaged	Light Reshape
0.000	24.900	0	8	0	FW	Road pavement damaged	Meduim Reshape
0.000	24.900	0	8	0	FW	Road pavement damaged	Heavy Reshape
ROAD No	5050758	MINGENEW - MULLEWA ROAD					
20.440	20.510	70	8	560	R	Whole of formation/pavement destroyed.	Reconstruct unsealed floodway. (reinstate rock pitching, recon headwall, slurry and shoulder 20 mtrs in length)
33.120	33.160	40	8	320	L/R	Stone protection washed away.	Replace rock protection.(remove debris RH, reinstate slurry rock pitching LHS 20 mtrs)
0.000	49.020	0	8	0	FW	Road pavement damaged	Light Reshape
0.000	49.020	0	8	0	FW	Road pavement damaged	Meduim Reshape
0.000	49.020	0	8	0	FW	Road pavement damaged	Heavy Reshape
ROAD No	5050702	MOORE ROAD					
0.000	0.000	0	8	0			
0.000	0.000	0	8	0			
0.000	16.750	2513	8	20100	FW	Road pavement damaged	Light Reshape
0.000	16.750	2513	8	20100	FW	Road pavement damaged	Meduim Reshape
0.000	16.750	5025	8	40200	FW	Road pavement damaged	Heavy Reshape
ROAD No	5050641	NANGERWALLA ROAD					
0.240	1.230	990	8	7920	FW	Roadside drain and pavement silted + scoured.	Remove silt, form up and gravel sheet.
4.790	4.810	20	8	160	FW	Unsealed floodway damage.	Form up (including shape drains), import and lay/compact gravel
6.870	6.960	90	8	720	FW	Unsealed floodway damage.	Form up (including shape drains), import and lay/compact gravel
0.000	13.750	0	8	0	FW	Road pavement damaged	Light Reshape
0.000	13.750	0	8	0	FW	Road pavement damaged	Meduim Reshape
0.000	13.750	1265	8	10120	FW	Road pavement damaged	Heavy Reshape
ROAD No	5050613	NUBEROO ROAD					
0.090	0.320	230	8	1840	L/R	Drainlines/shoulders scoured.	Remove silt/ reform drainlines, reform/reconstruct shoulders (1 side)
1.520	1.530	10	8	80	L/R	Unsealed floodway damage. (Headwall exposed)	Form up (including shape drains), import and lay/compact gravel
3.350	3.540	190	8	1520	FW	Whole of asphalt sealed floodway formation/pavement destroyed.	Reconstruct bitumen asphalt floodway
3.350	3.540		10			2-Barrell RCBC damaged	Reconstruct formation. (Reconstruct whole of floodway+2 x box-culverts,sealed)
3.760	4.050	290	8	2320	L	Drainlines scoured.	Remove silt from drainline. Reshape/reconstruct drainline.
7.810	7.860	50	8	400	FW	Unsealed floodway damage.	Form up (including shape drains), import and lay/compact gravel
9.930	10.000	70	8	560	L	Drainlines & pavement scoured.	Form up (including shape drains), import and lay/compact gravel
13.560	15.120	1560	8	12480	L/R	Roadside drain silted and scoured	Remove silt/debris from drainlines
16.750	16.810	60	8	480	L	Roadside drain silted.	Remove silt from drainlines.
0.000	25.140	0	8	0	FW	Road pavement damaged	Light Reshape
0.000	25.140	0	8	0	FW	Road pavement damaged	Meduim Reshape
0.000	25.140	2268	8	18144	FW	Road pavement damaged	Heavy Reshape

ROAD No	5050615	NUNGULYA ROAD					
8.870	9.410	540	8	4320	L/R	Roadside drain silted.	Remove silt/debris from drainlines
17.220	17.400	180	8	1440	FW	Unsealed floodway damage.	Reconstruct unsealed floodway.
0.000	17.800	0	8	0	FW	Road pavement damaged	Light Reshape
0.000	17.800	2562	8	20496	FW	Road pavement damaged	Medium Reshape
0.000	17.800	2562	8	20496	FW	Road pavement damaged	Heavy Reshape
ROAD No	5050610	OLD GERALDTON ROAD					
4.330	5.420	1090	8	8720	L/R	Drainlines scoured.	Reconstruct unsealed shoulders. (Reinstate drains, remove silt)
0.000	10.140	0	8	0	FW	Road pavement damaged	Light Reshape
0.000	10.140	0	8	0	FW	Road pavement damaged	Medium Reshape
0.000	10.140	0	8	0	FW	Road pavement damaged	Heavy Reshape
ROAD No	5050652	OLD MINGENEW ROAD					
5.480	6.050	570	8	4560	FW	Pavement silted.	Remove silt, form up and resheet. (resheet & reinstate drains, remove silt)
0.000	7.820	0	8	0	FW	Road pavement damaged	Light Reshape
0.000	7.820	0	8	0	FW	Road pavement damaged	Medium Reshape
0.000	7.820	2900	8	23200	FW	Road pavement damaged	Heavy Reshape
ROAD No	5050659	OLD PINDAR ROAD					
0.800	1.030	230	8	1840	FW	Road formation scoured. Road formation washed away.	Reconstruct formation. (resheet, full recon in drains)
1.230	1.300	70	8	560	FW	Road sheeting washed away.	Reconstruct unsealed floodway.
0.000	6.450	1538	8	12300	FW	Road pavement damaged	Light Reshape
0.000	6.450	0	8	0	FW	Road pavement damaged	Medium Reshape
0.000	6.450	0	8	0	FW	Road pavement damaged	Heavy Reshape
ROAD No	5050705	OLMAN ROAD					
4.500	5.000	500	8	4000	FW	Road pavement scoured. (deep scours on intersection)	Remove silt, reform drains, resheet pavement
0.000	5.040	0	8	0	FW	Road pavement damaged	Light Reshape
0.000	5.040	0	8	0	FW	Road pavement damaged	Medium Reshape
0.000	5.040	0	8	0	FW	Road pavement damaged	Heavy Reshape
ROAD No	5050658	PARK ROAD					
0.000	0.090	90	8	720	FW	Road formation washed away.	Form up (including shape drains), import and lay/compact gravel
0.270	1.060	790	8	6320	FW	Drainlines scoured. (Table drain silted)	Remove Silt/Heavy Reshape
2.290	2.380	90	8	720	L	Unsealed floodway damage. (Deep scours LHS)	Reconstruct formation. Reconstruct unsealed floodway.
2.380	2.850	470	8	3760	FW	Road sheeting washed away. Scouring	Form up (including shape drains), import and lay/compact gravel
2.850	2.910	60	8	480	FW	Unsealed floodway damage.	Reconstruct gravel floodway
3.090	3.150	60	8	480	FW	Unsealed floodway damage.	Reconstruct unsealed floodway. (Reinstate rock)
3.150	3.240	90	8	720	FW	Drainlines scoured.	Remove silt from drainlines. (Redefine drains, resheet)
3.700	3.890	190	8	1520	R	Drainlines scoured.	Remove silt from drainlines. (Redefine drains, resheet)
0.000	6.290	0	8	0	FW	Road pavement damaged	Light Reshape
0.000	6.290	668	8	5340	FW	Road pavement damaged	Medium Reshape
0.000	6.290	0	8	0	FW	Road pavement damaged	Heavy Reshape
ROAD No	5050622	PETER ROAD					
18.260	19.070	810	8	6480	L/R	Drainlines scoured/silted, pavement washed/silted (intersection)	Reconstruct formation. (resheet, full recon in drains)
0.000	20.530	0	8	0	FW	Road pavement damaged	Light Reshape
0.000	20.530	0	8	0	FW	Road pavement damaged	Medium Reshape
0.000	20.530	0	8	0	FW	Road pavement damaged	Heavy Reshape
ROAD No	5051436	RAMSAY ROAD					
0.000	0.270	270	8	2160		Drainlines scoured, pavement washed/contaminated	Resheet formation. (resheet & reinstate drains)
0.000	9.800	0	8	0	FW	Road pavement damaged	Light Reshape
0.000	9.800	0	8	0	FW	Road pavement damaged	Medium Reshape
0.000	9.800	0	8	0	FW	Road pavement damaged	Heavy Reshape
ROAD No	5051282	ROSE ROAD					
0.340	0.390	50	8	400	FW	Unsealed floodway damage.	Reconstruct unsealed floodway.
0.000	0.860	0	8	0	FW	Road pavement damaged	Light Reshape
0.000	0.860	0	8	0	FW	Road pavement damaged	Medium Reshape
0.000	0.860	0	8	0	FW	Road pavement damaged	Heavy Reshape
ROAD No	5050624	SULLIVAN ROAD					
7.290	7.350	60	8	480	FW	Unsealed floodway damage.	Reconstruct unsealed floodway.
7.540	7.850	310	8	2480	FW	Unsealed floodway damage.	Reconstruct unsealed floodway. (stabilize)
7.930	8.350	420	8	3360	FW	Roadside drain silted.	Remove silt from drainline. (reinstate drain and offshoot drainline)
8.500	8.680	180	8	1440	FW	Roadside drain silted.	Remove silt from drainline. (reinstate drain and offshoot drainline)
10.100	10.550	450	8	3600	FW	Roadside drain silted.	Remove silt from drainline.
12.180	12.860	680	8	5440	FW	Road sheeting washed away.	Form up (including shape drains), import and lay/compact gravel
12.860	12.900	40	8	320	FW	Unsealed floodway damage.	Reconstruct unsealed floodway.(culvert repair, cut off walls)
0.000	17.390	0	8	0	FW	Road pavement damaged	Light Reshape
0.000	17.390	2288	8	18300	FW	Road pavement damaged	Medium Reshape
0.000	17.390	2288	8	18300	FW	Road pavement damaged	Heavy Reshape
ROAD No	5050753	SYNAN ROAD					
1.300	1.540	240	8	1920	FW	Road sheeting washed away.	Resheet formation. Reconstruct drainlines.
3.850	4.340	490	8	3920	R	Roadside drain silted.	Remove silt from drainline. (recon RHS drainline)
6.700	7.050	350	8	2800	FW	Roadside drain silted.	Remove silt from drainline. Resheet.
9.300	9.460	160	8	1280	FW	Unsealed floodway damage.	Reconstruct unsealed floodway.
10.200	11.600	1400	8	11200	FW	Roadside drain silted.	Remove silt from drainline.
0.000	11.500	0	8	0	FW	Road pavement damaged	Light Reshape
0.000	11.500	0	8	0	FW	Road pavement damaged	Medium Reshape
0.000	11.500	4430	8	35440	FW	Road pavement damaged	Heavy Reshape
ROAD No	5050603	TARDUN PINDAR ROAD					
12.280	13.180	900	8	7200	FW	Roadside drain silted.	Reshape/reconstruct drainline. Remove silt. Resheet
21.230	21.300	70	8	560	FW	Road silted up.	Remove silt from pavement.
21.300	21.600	300	8	2400	R	Roadside drain silted.	Remove silt from drainline. (RHS)
30.230	31.470	1240	8	9920	L	Road side surface drain silted.	Remove silt from drainline. (redform drainline, 200 mtrs sheeting)
31.500	32.390	890	8	7120	R/L	Road side surface drain silted.	Remove silt from drainline. (redform drainline)
32.910	33.050	140	8	1120	FW	Unsealed floodway damage.	Reconstruct unsealed floodway.
33.560	35.470	1910	8	15280	FW	Road sheeting washed away.	Reshape/reconstruct drainline. (recon shoulders, 70% gravel sheeting)
0.000	37.840	0	8	0	FW	Road pavement damaged	Light Reshape
0.000	37.840	0	8	0	FW	Road pavement damaged	Medium Reshape
0.000	37.840	0	8	0	FW	Road pavement damaged	Heavy Reshape

ROAD No	5050707	THOMAS ROAD					
4.160	4.390	230	8	1840	FW	Pavement silted.	Remove silt from pavement.
0.000	8.870	1037	8	8294.4	FW	Road pavement damaged	Light Reshape
0.000	8.870	1555	8	12441.6	FW	Road pavement damaged	Medium Reshape
0.000	8.870	2592	8	20736	FW	Road pavement damaged	Heavy Reshape
ROAD No	5050664	TILLER ROAD					
0.400	0.540	140	8	1120	FW	Drainlines scoured. Offshoot drain silted.	Reshape/reconstruct drainline.
0.750	1.610	860	8	6880	FW	Drainlines scoured. Offshoot drain silted.	Reshape/reconstruct drainline.
1.610	1.700	90	8	720	FW	Stone protection washed away. Unsealed floodway damage.	Reconstruct unsealed floodway. Cement stabilization.
0.000	2.780	0	8	0	FW	Road pavement damaged	Light Reshape
0.000	2.780	0	8	0	FW	Road pavement damaged	Medium Reshape
0.000	2.780	0	8	0	FW	Road pavement damaged	Heavy Reshape
ROAD No	5050656	URAWA ROAD					
8.240	8.310	70	8	560	FW	Road pavement scoured.	Reconstruct unsealed shoulders. (reinstate, resheet, scours)
9.200	9.470	270	8	2160	FW	Drainlines scoured.	Reshape/reconstruct shoulders. (reshape drains, remove silt)
0.000	10.000	0	8	0	FW	Road pavement damaged	Light Reshape
0.000	10.000	0	8	0	FW	Road pavement damaged	Medium Reshape
0.000	10.000	0	8	0	FW	Road pavement damaged	Heavy Reshape
ROAD No	5050674	WARREN ROAD					
0.150	0.420	270	8	2160	L/R	Drainlines scoured.	Reform drains.
0.710	1.430	720	8	5760	R	Sealed floodway edge. (exposed headwall)	Repair headwall, scouring, replace stable gravel on headwall.
0.000	1.450	0	8	0	FW	Road pavement damaged	Light Reshape
0.000	1.450	0	8	0	FW	Road pavement damaged	Medium Reshape
0.000	1.450	0	8	0	FW	Road pavement damaged	Heavy Reshape
ROAD No	5050619	WILLIAMSON ROAD					
0.000	0.140	140	8	1120	L/R	Drainlines scoured. Roadside drain silted.	Reshape/reconstruct drainline.
0.260	0.610	350	8	2800	L/R	Roadside drain silted.	Remove silt from drainline. Reform road.
1.800	2.260	460	8	3680	R	Roadside drain silted.	Remove silt from drainline.
2.060	4.780	2720	8	21760	FW	Road pavement scoured. Pavement silted.	Reform and resheet formation. Reinstate drains. Remove silt.
9.240	9.800	560	8	4480	FW	Road pavement scoured. Pavement silted.	Reform and resheet formation. Reinstate drains. Remove silt.
0.000	13.580	842	8	6732	FW	Road pavement damaged	Light Reshape
0.000	13.580	3787	8	30294	FW	Road pavement damaged	Medium Reshape
0.000	13.580	3787	8	30294	FW	Road pavement damaged	Heavy Reshape
ROAD No	5050627	WILROY KOCKATEA ROAD					
13.540	14.100	560	8	4480	FW	Drainlines scoured/silted. Road formation washed away.	Remove silt, reshape/reconstruct drainline.
0.000	14.070	0	8	0	FW	Road pavement damaged	Light Reshape
0.000	14.070	0	8	0	FW	Road pavement damaged	Medium Reshape
0.000	14.070	0	8	0	FW	Road pavement damaged	Heavy Reshape
ROAD No	5050606	WONGOONDY - TARDUN ROAD					
4.940	4.960	20	8	160	FW	Unsealed floodway damage.	Reconstruct unsealed floodway. (recon cut off wall, resheet)
4.960	5.290	330	8	2640	FW	Road sheeting washed away.	Reconstruct unsealed shoulders. (resheet, recon drains)
8.110	8.230	120	8	960	R	Drainlines scoured and silted.	Reshape/reconstruct drainline.
10.000	10.120	120	8	960	L	Drainlines scoured and silted.	Remove silt and reconstruct drainlines
10.350	10.400	50	8	400	FW	Unsealed floodway damage.	Reconstruct unsealed floodway. (replace rock pitching)
10.620	10.670	50	8	400	FW	Unsealed floodway damage.	Reconstruct unsealed floodway. (replace cut off wall, replace rock pitching)
10.810	11.260	450	8	3600	L	Drainlines scoured. Roadside drain silted.	Remove silt from drainline. Reshape/reconstruct drainline. (recon shoulder)
11.380	11.740	360	8	2880	R	Drainlines scoured. Roadside drain silted.	Remove silt from drainline. Reshape/reconstruct drainline.
0.000	19.640	2357	8	18854.4	FW	Road pavement damaged	Light Reshape
0.000	19.640	3535	8	28281.6	FW	Road pavement damaged	Medium Reshape
0.000	19.640	5892	8	47136	FW	Road pavement damaged	Heavy Reshape
ROAD No	5050704	WOODACURRIE ROAD					
0.000	0.000	0	8	0			
0.000	0.000	0	8	0			
0.000	4.000	1200	8	9600	FW	Road pavement damaged	Light Reshape
0.000	4.000	0	8	0	FW	Road pavement damaged	Medium Reshape
0.000	4.000	0	8	0	FW	Road pavement damaged	Heavy Reshape



Flood Damage Works

Scale: 1:365,000

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