

Site name	Location	Property no.	Owner	Title Deed no.	Surveyor General Cadastral Code	Extent (sqm)	Name of water source	Co-ordinates of water source	Purpose of the alteration	Type of water source (river/stream or wetland)	Length of the watercourse affected by the alteration (meters)	Type of alteration (bed, banks, course or other (specify))	Name of alteration or the impeding or diverting structure	The number of structures	Start date	End date if not Permanent	Location - Co-ordinates of start of impeding/diverting structure or alteration	Location - Co-ordinates of end of impeding/diverting structure or alteration	Height/ Diameter	Width	Length (m)	Materials used in Building the structure	Flow rate before diversion/impedance (m³ per second)	Flow rate after diversion/impedance (m³ per second)
CONSTRUCTION WILL OCCUR BETWEEN N3-02-01 AND N3-02-10																								
N3-02-01	PINETOWN	3095	SANRAL	T40660/2004	N0FT02600000309500006	1625	Riparian N3-02-01	29° 50' 5.1"S 30° 52' 51.3"E	Road widening	Riparian	59.267m	No direct impact to the existing riparian zone. Additional lanes will be introduced on the inside of the existing road-existing island, 50m away from watercourse.	Culvert	1	2021	Permanent	29°50'4.06"S 30°52'50.39"E	29°50'5.66"S 30°52'51.63"E	600mm	600mm	59.267m	Concrete	Unknown	No change
N3-02-02	PINETOWN	3100	EThekwini Municipality	T10693/1982	N0FT02600000310000006	7568	Riparian N3-02-01	29° 50' 9.7"S 30° 52' 41.3"E	Crossing	Riparian	273m	Berms temporarily introduced to divert water from area of construction - no major alteration/impedance. No permanent alteration on existing riparian zone. Improve inlet and outlet	Umbilo River Culvert	1	2021	Permanent	29°50'7.82"S 30°52'41.03"E	29°50'10,14"S 30°52'41,81"E	3.5m	11.3m	75m	Concrete	Unknown	No change
N3-02-03	PINETOWN	4600	Colin Halliday	T1052/1995	N0FT02600000460000016	3439	Riparian N3-02-03	29° 50' 16.7"S 30° 52' 23"E	Road Widening	Riparian	240m	No direct impact on the existing riparian zone. Additional lanes will be introduced on the road-existing island.	Culvert pipe	1	2021	Permanent	29°50'7.82"S 30°52'41.03"E	29°50'10,14"S 30°52'41,81"E	600mm	600m	29.79m	Concrete	Unknown	No change
N3-02-03	PINETOWN	6810	The Nkayi Trust	T16273/2016	N0FT02600000681000001	1828	Riparian N3-02-03	29° 50' 16.7"S 30° 52' 23"E	Road Widening	Riparian	240m	No direct impact on existing riparian zone. Additional lanes will be introduced on the existing road-existing island.	Culvert pipe	1	2021	Permanent	29° 50' 16.85"S 30° 52' 21.05"E	29°50'16,11"S 30°52'20,46"E	600mm	600mm	26.88m	Concrete	Unknown	No change

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N3-03-04	PINETOWN	5854	SANRAL	T39546/2002	N0FT02600000413100001	278	Drainage line N3-02-04	29° 50' 15.4"S 30° 51' 59.9"E	Road widening	Drainage line	824 m	No direct impact on the drainage line. Construction activities run parallel, 100m away. Additional lanes will be introduced on the inside of the road-existing island.	Culvert Pipe	1	2021	Permanent	29° 50' 15,03"S 30° 51' 59,98"E	29° 50' 14,8"S 30° 51' 59,83"E	600 mm	600m m	7m	Concrete	Unknown	No change
N3-03-08	ASHLEY	204	SANRAL	T17488/2008	N0FT00060000020400002	3192	Riparian N3-02-08	29° 49' 45.2"S 30° 50' 19.2"E	Pipe crossing	Riparian	11 7m	No direct impact on riparian zone. Additional lanes will be introduced on the inside of the road-existing island.	Culvert	1	2021	Permanent	29°49'43.20"S 30°50'13.22"E	29°49'45.05"S 30°50'11.60" E	900 mm	900m m	74m	Concrete	Unknown	No change
N3-02-09	PINETOWN	937	SANRAL	T56832/2001	N0FT0000000093700154	117 519	Riparian N3-02-09	29° 49' 39.2"S 30° 49' 32.3"E	Crossing/Road widening	Riparian	14 5.7	No direct impact on the existing riparian zone. Construction activities run parallel to riparian zone and mainly fall within existing road reserve (Improve inlet and outlet).	Mariannahill1	1	2021	Permanent	29°49'37.68"S 30°49'32.29"E	29°49'39.27"S 30°49'32.66"E	4.38 m	4m	50.4 m	Concrete	Unknown	No change
N3-02-010	Mahogany Ridge - PINETOWN	937	SANRAL	T56832/2001	N0FT0000000093700158	102 344	Riparian N3-02-10	29° 49' 36.1"S 30° 49' 0.5"E	Crossing/Road widening	Riparian	200m	No direct impact on the existing riparian zone. The road is being widened and the existing culvert lengthened. Construction will occur mainly within the existing road reserve (Improve outlet and inlet).	Mariannahill2	1	2021	Permanent	29°49'34.67"S 30°49'0.60"E	29°49'36,62"S 30°49'0,40"E	4.38m	4m	42.7m	Concrete	Unknown	No change

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N3-02-10	Mahogany Ridge - PINETOWN	937	SANRAL	T56832/2001	N0FT0000000093700158	102 344	Riparian N3-02-10	29° 49' 33.4"S 30° 48' 52"E	Crossing/Road widening	Riparian	110m	No direct Impact on the existing riparian zone. The road is being widened and the existing culvert lengthened. Construction will occur mainly within the existing road reserve (Improve outlet and inlet).	Marrianhill3	1	2021	Permanent	29°49'32.74"S 30°48'52.28"E	29°49'34.06"S 30°48'51.86"E	4.38m	4m	42.7m	Concrete	Unknown	No change
NO CONSTRUCTION WILL OCCUR ON SITE N3-02-15																								
N3-02-15	CLIFTON CANYON	939	SANRAL	T34727/2007	N0FT0000000093900150	54 701	Riparian N3-02-15	29° 48' 54.1"S 30° 46' 22.1"E	NOT AFFECTED	Riparian	0m	No impact or lengthening of the existing culvert. No construction to the banks as the existing fill is wide enough.	No Name	1	2021	Permanent	29° 48' 54.1"S 30° 46' 22.1"E	29° 48' 54.1"S 30° 46' 22.1"E	900 D	900 D	135	Concrete	Unknown	No change
CONSTRUCTION WILL OCCUR BETWEEN N3-02-16 AND N3-02-18																								
N3-02-16	CLIFTON CANYON	939	CANYON QUARRIES CC	T29206/1990	N0FT0000000093900095	159 517	Riparian N3-02-16	29° 49' 9.4"S 30° 46' 22.8"E	Viaduct Widening	Riparian	325m	Construction activities will occur within existing gravel track, temporary Access road to the uMhlathuzana Viaduct	Pipe Culver	1	2021	Permanent	29° 49' 09.03"S 30° 46' 23.57"E	29° 49' 09.26"S 30° 46' 23.26"E	0.6m	0.6m	11.5m	Precast and cast in-situ reinforced concrete	1.725	No change

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N3-02-17	CLIFTON CANYON	939	LES CASCADES PTY LTD	T53502/2003	N0FT000000093900118	707 768	Riparian N3-02-17	29° 48' 46"S 30° 45' 49.5"E	Viaduct Widening	Riparian	221m	Slight increase in run-off. Additional stormwater to be diverted so that it does not further erode the existing channel.	Pipe Culvert	1	2021	Permanent	29° 48' 45.75"S 30° 45' 49.92"E	29° 48' 46.07"S 30° 45' 49.81"E	0.6m	0.6m	11.8m	Precast and cast in-situ reinforced concrete	0.287	2.708
N3-02-17	CLIFTON CANYON	939	SANRAL	T16742/2007	N0FT000000093900112	146 168	Riparian N3-02-17	29° 48' 48.6"S 30° 46' 10.2"E	Viaduct Widening	Riparian	221m	N3 Embankment protection.to be widened and culvert pipes to be lengthened.	Gabion, Reno Mattres	1	2021	Permanent	29° 48' 46.1"S 30° 46' 17.6"E	29° 48' 48.6"S 30° 46' 10.2"E	3m	3m	190.4m	Concrete, Wire baskets and stone	88.3m³/s	No change
N3-02-18	CLIFTON CANYON	915	SANRAL	T17282/2007	N0FT000000091500026	9773	Riparian N3-02-18	29° 48' 38.6"S 30° 45' 42.2"E	Viaduct widening	Riparian	1.2 km	Construction will occur mainly within the existing road reserve. N3 Embankment protection.to be widened and culvert pipes to be lengthened.	uMhathuzana Viaduct	2	2021	Permanent	29° 48' 38.6"S 30° 45' 42.2"E	29° 48' 38.6"S 30° 45' 42.2"E	56m	50m	450	Concrete	Unknown	No change
NO CONSTRUCTION WILL OCCUR BETWEEN N3-02-19 AND N3-02-23																								
N3-02-19	CLIFTON CANYON	14227	SANRAL	T33059/2007	N0FT0000001422700017	361 178	Valley bottom Wetland N3-02-19	29° 48' 19.7"S 30° 44' 55.5"E	NOT AFFECTED	Un-channelled Valley Bottom Wetland	0m	No impact or lengthening of the existing culvert. No construction to the banks as the existing fill is wide enough.	N3, Section 1, km32.23	2	2021	Permanent	29°48'18.14"S 30°44'58.63"E	29°48'18.14"S 30°44'58.63"E	750D	750D	10	Concrete	Unknown	No change
																	29°48'18.14"S 30°44'58.63"E	29°48'18.14"S 30°44'58.63"E	600D	600D	30			

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N3-02-20	CLIFTON CANYON	14227	SANRAL	T33059/2007	NOFT0000001422700017	361 178	Valley bottom Wetland N3-02-20	29° 48' 17.1"S 30° 44' 57.5"E	NOT AFFECTED	Un-channelled Valley bottom Wetland	0m	No impact or lengthening of the existing culvert. No construction to the banks as the existing fill is wide enough	No Name	3	2021	Permanent	29°48'22.31"S 30°45'6.10"E	29°48'19.11"S 30°45'0.77"E	600D	600D	35	Concrete	Unknown	No change
																	29°48'20.12"S 30°45'2.42"E	29°48'20.12"S 30°45'2.42"E	600D	600D	35			
																	29°48'22.31"S 30°45'6.10"E	29°48'22.31"S 30°45'6.10"E	300D	300D	35			
N3-02-21	Please note, site N3-02-21 is out of the jurisdiction of the South African National Roads Agency (SANRAL), and is the responsibility of the EThekweni Transport Authority. Please refer to the GroundTruth Wetland Specialist Assessment report, as this section of road was included in error as it does not all within the jurisdiction of SANRAL.																							
N3-02-23	SUMMERVELD	14226	SANRAL	T23814/2007	NOFT0000001422600025	144 468	Wetland N3-02-23	29° 47' 59"S 30° 44' 14.3"E	NOT AFFECTED	Wetland	0m	No impact or lengthening of the existing culvert. No construction to the banks as the existing fill is wide enough.	No Name	3	2021	Permanent	29°47'36.65"S 30°44'4.75"E	29°47'59"S 30°44'14.3"	600D	600D	60	Concrete	Unknown	No change
																	29°47'41.33"S 30°44'8.95"E	29°47'59"S 30°44'14.3"	750D	750D	40			
																	29°47'41.33"S 30°44'8.95"E	29°47'59"S 30°44'14.3"	1777	250	139			

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CONSTRUCTION WILL OCCUR ON SITE N3-02-24																								
N3-02-24	SUMMERVELD	14226	SANRAL	T23814/2007	NOFT0000001422600025	144 468	Valley bottom Wetland N3-02-24	29° 47' 40.2"S 30° 44' 2.3"E	Road Widening	Valley bottom Wetland with channel	336m	N3 Embankment protection.to be widened and culvert pipes to be lengthened.	No Name	2	2021	Permanent	29° 47' 35.0"S 30° 44' 07.3"E	29° 47' 41.9"S 30° 44' 04.7"E	3m	10m	221.8m	Concrete, wire baskets and stone	82.6m³/s	No change
NO CONSTRUCTION WILL OCCUR ON SITE N3-02-25																								
N3-02-25	ASSAGAY	320	Neal Douglas Sydney	T16676/1994	NOFT00070000032000001	106 098	Valley bottom Wetland N3-02-25	29° 47' 16.3"S 30° 43' 17.1"E	NOT AFFECTED	Valley bottom Wetland with channel	0m	No impact or lengthening of the existing culvert. No construction to the banks as the existing fill is wide enough.	No name	1	2021	Permanent	29° 47' 15.39"S 30° 43' 20.71"E	29° 47' 15.39"S 30° 43' 20.71"E	600D	600D	33	Concrete	Unknown	No change