Job Title Site Address Tinex Group

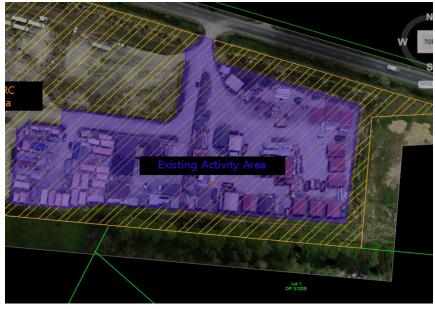
245 Te Puna Station Road

City Te Puna *Job No.* 423022

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Date Oct 23
By SB



TGA REV 2 - 07/07/2010



Existing Activity Area Measured area from cad

16000 sq m

Catchment East 9500 sq m

Catchment West 6500 sq m

Stormwater Catchment Data

EXISTING RAINFALL SCENARIO - CURRENT SITE DISCHARGE

CATCHMENT EAST

Existing Site Area = 9500 m²
Existing runoff coeff
Rainfall Intensities mm/hr HIRDS V4

Return		Durat	ion (mir	2	6	12	
Period 10		20	30 60		120	360	720
10	93.0	72.5	61.7	45.4	32.2	17.3	11.1
50	133.0	103.0	87.7	64.2	45.3	24.1	15.5
100	152.0	118.0	100.0	73.0	51.4	27.3	17.4

Existing Site Discharge (Q = CIA) 1/s

Return		Durat	ion (mir	nutes)					
Period	10	20	30	60	120	360	720		
10	123	96	81	60	42	23	15		
50	175	136	116	85	60	32	20		
100	201	156	132	96	68	36	23		

EAST OF SITE ENTRY

CATCHMENT WEST

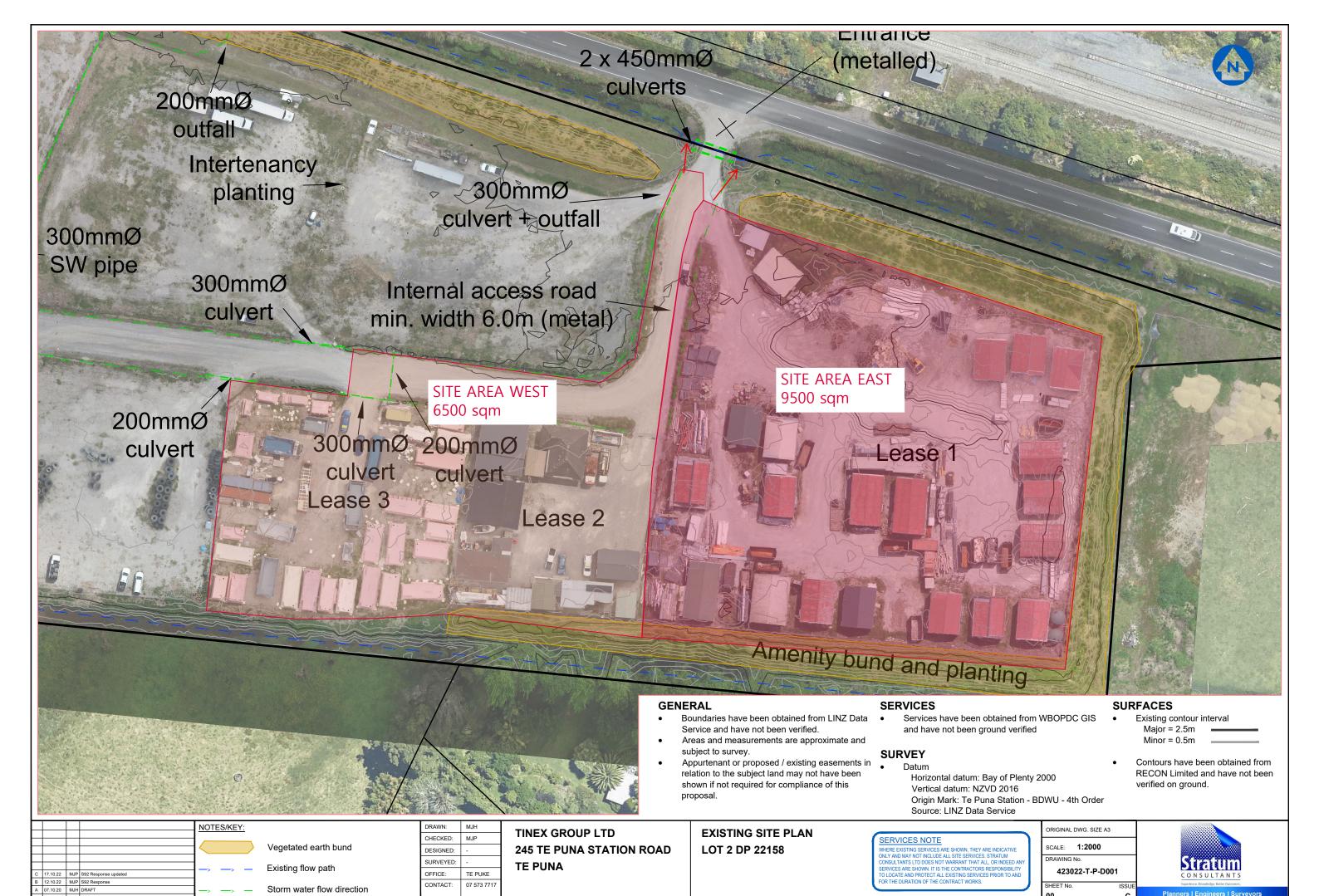
Existing Site Area = 6500 m²
Existing runoff coeff
Rainfall Intensities mm/hr HIRDS V4

Return		Duration (minutes)			2	6	12		
Period	10	20	30	60	120	360	720		
10	93.0	72.5	61.7	45.4	32.2	17.3	11.1		
50	133.0	103.0	87.7	64.2	45.3	24.1	15.5		
100	152.0	118.0	100.0	73.0	51.4	27.3	17.4		

Existing Site Discharge (Q = CIA) 1/s

Return		Dura	tion (min	utes)			
Period	10	20	30	60	120	360	720
10	84	65	56	41	29	16	10
50	120	93	79	58	41	22	14
100	137	107	90	66	46	25	16

WEST OF SITE ENTRY



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