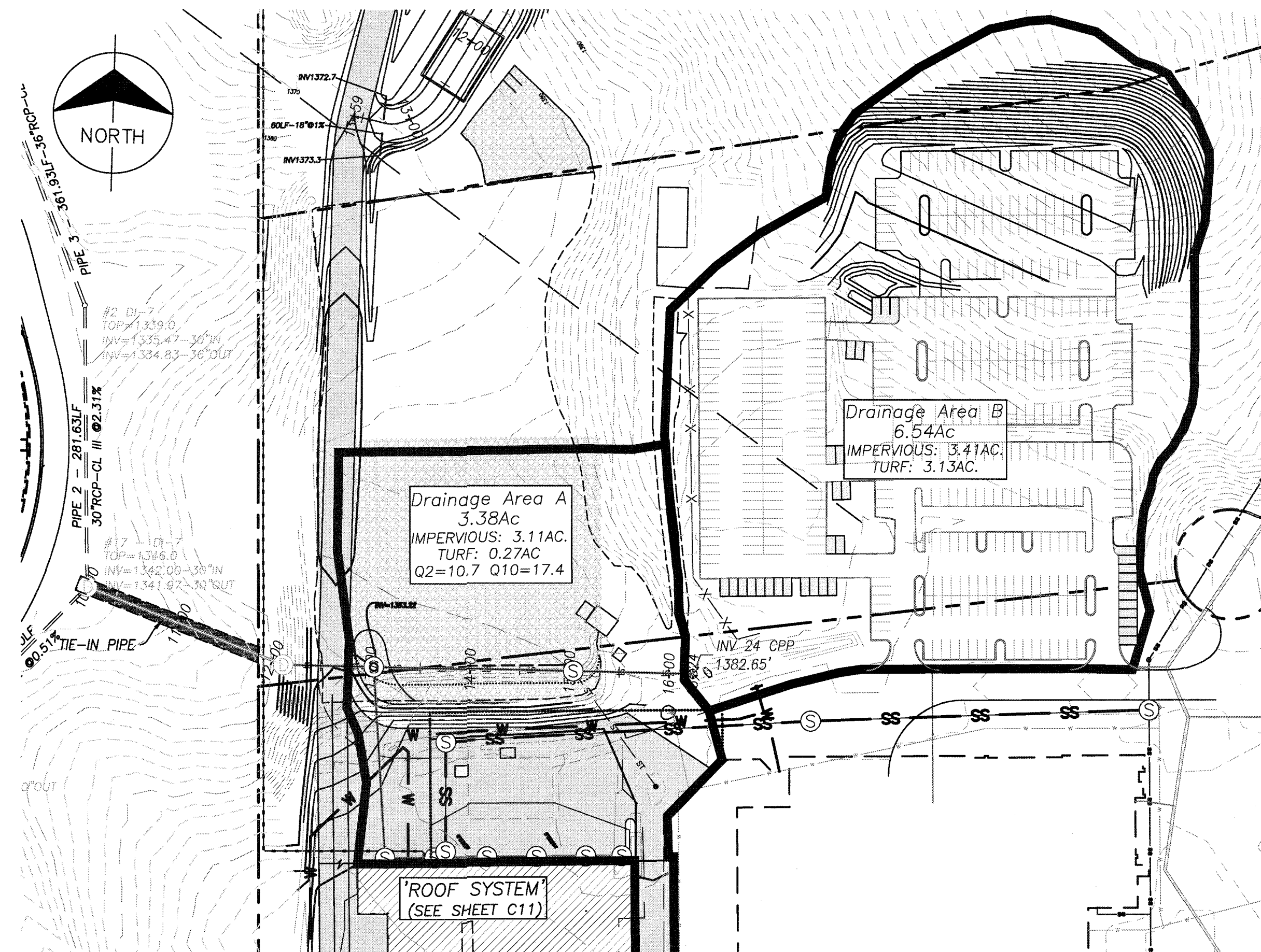
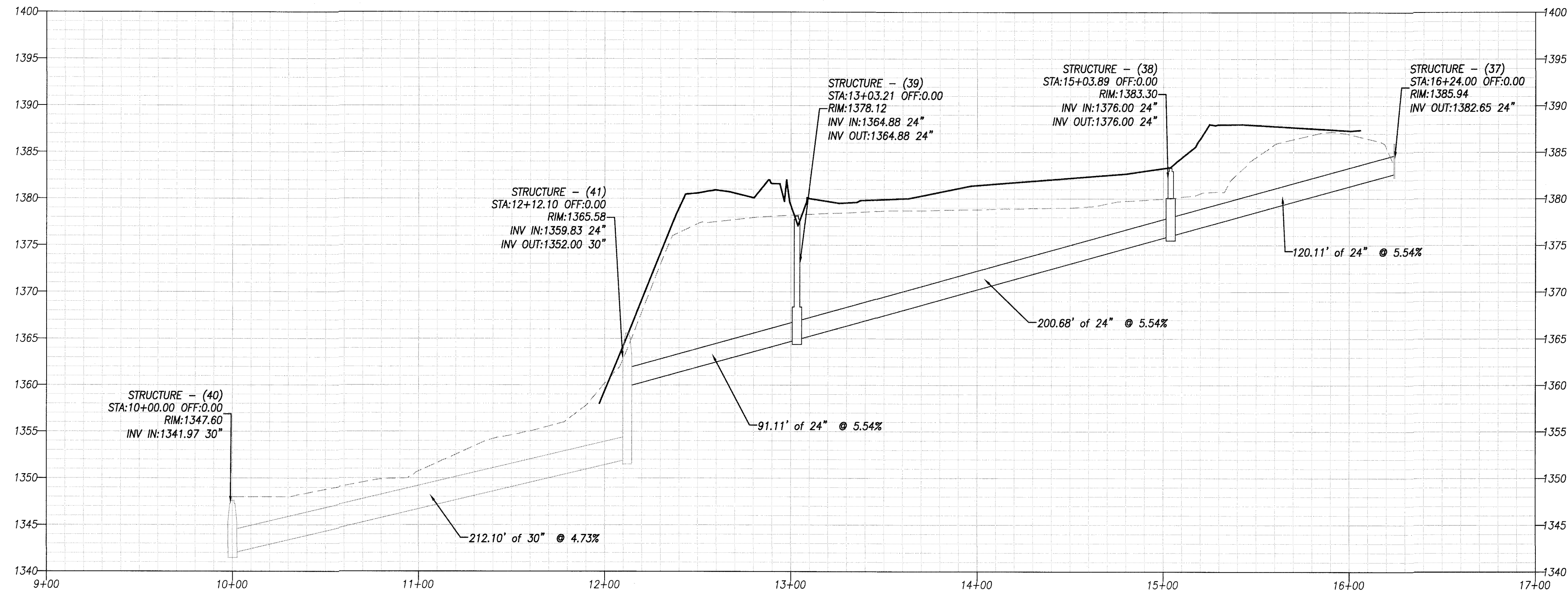




Area 'A'						
C _{impervious} =	0.90					
C _{pervious} =	0.33					
I ₂ =	3.77					
I ₁₀ =	5.08			TC=9.1 min.		
Structure	A_{impervious}	A_{pervious}	A_{total}	C_{weighted}	Q₂	Q₁₀
Surf Area A	3.11	0.27	3.38	0.85	10.8	14.7
Area 'B'						
C _{impervious} =	0.90					
C _{pervious} =	0.33					
I ₂ =	3.74					
I ₁₀ =	5.03			TC=9.9 min.		
Structure	A_{impervious}	A_{pervious}	A_{total}	C_{weighted}	Q₂	Q₁₀
Surf Area B	3.41	3.13	6.54	0.63	15.3	20.6

Tie-In Pipe	Q₂	MAX Q₁₀
Area A	14.67	
Area B	20.63	
Roof System	6.40	From on-site storm drain calculations
Total	41.70	98.17 30" @ 4.73%

Storm Sewer Tabulation

Station	Len	Drng Area		Rnoff coeff	Area x C		Tc		Rain (I)	Total flow	Cap Rfill	Vel	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line	Incr (ft)	Total (ac)	Total (c)	Incr	Total	Inlet (min)	Syst (min)	(in/hr)	(cfs)	(cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	212.102	0.00	0.00	0.00	0.00	0.0	0.9	0.0	41.70	96.62	9.00	30	4.73	1341.97	1352.00	1344.30	1354.16	1347.60	1365.59	Pipe - (32) (1)
2	1	91.112	0.00	0.00	0.00	0.00	0.0	0.8	0.0	41.70	57.89	16.67	24	5.54	1359.83	1364.88	1361.00	1366.84	1365.59	1378.13	Pipe - (32)
3	2	200.677	0.00	0.00	0.00	0.00	0.0	0.3	0.0	20.60	57.68	7.06	24	5.54	1364.88	1376.00	1369.84	1377.63	1378.13	1383.30	Pipe - (31)
4	3	120.113	0.00	0.00	0.00	0.00	0.0	0.0	0.0	20.60	57.65	7.53	24	5.54	1376.00	1382.65	1377.63	1384.28	1383.30	1385.94	Pipe - (30)
Project File: New.stn															Number of lines: 4			Run Date: 1/29/2018			
NOTES: Intensity = 88.24 / (inlet time + 15.50) ^ 0.83; Return period =Yrs. 10 ; c = cir e = ellip b = box																					