



REVISIONS / CORRECTIONS

Number	Description	Author (N)	Checker (N)	Date

HEC-RAS PROFILE SIMMARY

Station	Q (cfs)	W.S. Dev (ft)	Min Ch B (ft)	Vel (ft/s)	W. S. LA (ft)	W. S. RA (ft)	Top Water (ft)
300	408.1	403.0	3.2	1276	1891	614	
305	407.6	402.0	3.2	1250	1838	512	
310	406.8	401.0	3.2	1225	1785	461	
315	406.0	400.0	3.2	1200	1732	410	
320	405.2	399.0	3.2	1175	1680	359	
325	404.4	398.0	3.2	1150	1627	308	
330	403.6	397.0	3.2	1125	1575	257	
335	402.8	396.0	3.2	1100	1522	206	
340	402.0	395.0	3.2	1075	1470	155	
345	401.2	394.0	3.2	1050	1417	104	
350	400.4	393.0	3.2	1025	1365	53	
355	399.6	392.0	3.2	1000	1312	2	
360	398.8	391.0	3.2	975	1260	-49	
365	398.0	390.0	3.2	950	1207	-100	
370	397.2	389.0	3.2	925	1155	-151	
375	396.4	388.0	3.2	900	1102	-202	
380	395.6	387.0	3.2	875	1050	-253	
385	394.8	386.0	3.2	850	997	-304	
390	394.0	385.0	3.2	825	945	-355	
395	393.2	384.0	3.2	800	892	-406	
400	392.4	383.0	3.2	775	840	-457	
405	391.6	382.0	3.2	750	787	-508	
410	390.8	381.0	3.2	725	735	-559	
415	390.0	380.0	3.2	700	682	-610	
420	389.2	379.0	3.2	675	630	-661	
425	388.4	378.0	3.2	650	577	-712	
430	387.6	377.0	3.2	625	525	-763	
435	386.8	376.0	3.2	600	472	-814	
440	386.0	375.0	3.2	575	420	-865	
445	385.2	374.0	3.2	550	367	-916	
450	384.4	373.0	3.2	525	315	-967	
455	383.6	372.0	3.2	500	262	-1018	
460	382.8	371.0	3.2	475	210	-1069	
465	382.0	370.0	3.2	450	157	-1120	
470	381.2	369.0	3.2	425	105	-1171	
475	380.4	368.0	3.2	400	52	-1222	
480	379.6	367.0	3.2	375	0	-1273	
485	378.8	366.0	3.2	350	-42	-1324	
490	378.0	365.0	3.2	325	-94	-1375	
495	377.2	364.0	3.2	300	-146	-1426	
500	376.4	363.0	3.2	275	-198	-1477	
505	375.6	362.0	3.2	250	-250	-1528	
510	374.8	361.0	3.2	225	-302	-1579	
515	374.0	360.0	3.2	200	-354	-1630	
520	373.2	359.0	3.2	175	-406	-1681	
525	372.4	358.0	3.2	150	-458	-1732	
530	371.6	357.0	3.2	125	-510	-1783	
535	370.8	356.0	3.2	100	-562	-1834	
540	370.0	355.0	3.2	75	-614	-1885	
545	369.2	354.0	3.2	50	-666	-1936	
550	368.4	353.0	3.2	25	-718	-1987	
555	367.6	352.0	3.2	0	-770	-2038	

- LEGEND:
- HEC-RAS CROSS SECTION
  - CHEEK CENTERLINE
  - 100-YEAR FLOODPLAIN (HEC-CALCULATED)
  - 100-YEAR FLOODPLAIN (FEMA PANEL 48453C03B3H, DATED SEPT. 28, 2003)
  - CRITICAL WATER QUALITY ZONE (WHERE NOT DEFINED BY 100-YEAR FLOODPLAIN)
  - WATER QUALITY TRANSITION ZONE
  - PERMIT AREA

SEE SHEET 13 FOR NSAI/C CALCULATIONS

SP-2013-0301D  
 4220 BUCK LANE

DATE OF AUSTIN APPROVAL: BLD/CCL

Watershed Engineering Company  
 Texas Registered Engineering Firm #353

APAC TEXAS - BUCK  
 SITE DEVELOPMENT IMPROVEMENTS  
 AREA 2, 100-YEAR FLOODPLAIN AND WATER QUALITY ZONES

1101 Capital of Texas Highway South, Suite 110, Austin, Texas 78746 (512) 327-8844  
 JOB NO. 11-001-28 SCALE: AS NOTED SHEET: 10 OF 13  
 DESIGNED BY: JFS DATE: 7/22/2013  
 DRAWN BY: RMH DATE: 7/22/2013  
 FILE/DRAWING: C:\11\001\28\1101\0301D\4220BUCK.dwg (110719)

