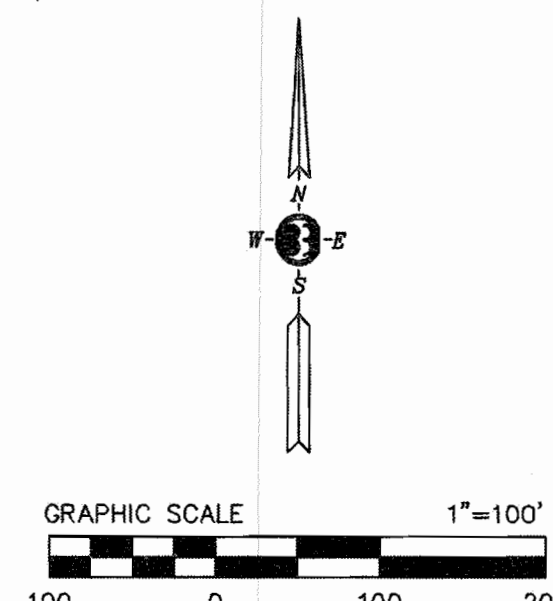




CAUTION: EXISTING UNDERGROUND UTILITIES. CONTRACTOR TO FIELD VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO EXCAVATION.



- LEGEND**
- EXISTING PHASE 2 DRAINAGE DIVIDE
 - - - EXISTING DRAINAGE DIVIDE
 - FLOW ARROW
 - CONTOURS PER SURVEY
 - EXISTING STORM SEWER
 - ▭ CURRENT BUILDING
 - ▭ EXISTING PARKLAND/OPEN SPACE

Existing Runoff Calculations									
Drainage Area No.	Drainage Area (Acres)	Runoff Coefficient 'C'	Tc (min)	Freq. (yrs)	Intensity (in/hr)	Q100 (cfs)	Remarks		
PH 2 A1	1.21	0.50	10	100	9.8	5.9	TO LOW POINT CURB INLET		
PH 2 B1	0.40	0.50	10	100	9.8	2.0	TO LOW POINT CURB INLET		
PH 2 B2	2.56	0.50	10	100	9.8	12.5	TO LOW POINT CURB INLET		
PH 2 B3	0.42	0.50	10	100	9.8	2.1	TO COMBINATION ALLEY INLET		
PH 2 B4	4.74	0.56	10	100	9.8	25.9	TO INLET B-4		
PH 2 B5	0.99	0.50	10	100	9.8	4.9	THRU BOX CULVERT		
PH 2 C1	1.06	0.50	10	100	9.8	5.2	TO LOW POINT CURB INLET		
PH 2 C2	1.14	0.42	10	100	9.8	4.7	TO LOW POINT CURB INLET		
PH 2 D1	0.14	0.50	10	100	9.8	0.7	TO ON-GRADE CURB INLET		
PH 2 D2	2.03	0.50	10	100	9.8	10.0	TO ON-GRADE CURB INLET		
PH 2 D3	0.50	0.45	10	100	9.8	2.2	TO COMBINATION ALLEY INLET		
PH 2 D4	1.36	0.50	10	100	9.8	6.8	TO WYE INLET		
PH 2 D5	4.58	0.50	10	100	9.8	40.4	MANHOLE ON EX 36" CGMP		
PH 2 E1	0.60	0.50	10	100	9.8	2.9	TO LOW POINT CURB INLET		
PH 2 E2	2.40	0.50	10	100	9.8	11.8	TO LOW POINT CURB INLET		
PH 2 E3	2.24	0.50	10	100	9.8	11.0	TO WYE INLET		
PH 2 F1	1.24	0.44	10	100	9.8	5.3	TO LOW POINT CURB INLET		
PH 2 F2	1.34	0.50	10	100	9.8	6.6	OVERLAND RUNOFF TO ALLEY "C" & POND "A"		
PH 2 G1	1.49	0.43	10	100	9.8	6.3	TO LOW POINT CURB INLET		
PH 2 G2	1.05	0.50	10	100	9.8	5.2	OVERLAND RUNOFF TO CULVERT "G"		
PH 2 G3	1.03	0.50	10	100	9.8	5.0	OVERLAND RUNOFF TO ALLEY "C" & RENFRO ST		
PH 2 H1	0.76	0.50	10	100	9.8	3.7	TO ON-GRADE CURB INLET		
PH 2 H2	2.50	0.50	10	100	9.8	12.3	TO DRAINAGE SWALE AND POND "B"		
PH 2 H3	0.71	0.50	10	100	9.8	3.5	OVERLAND RUNOFF TO POND "B"		
PH 2 J1	1.28	0.48	10	100	9.8	6.0	OVERLAND RUNOFF TO POND "A"		
PH 2 J2	3.84	0.45	10	100	9.8	16.8	OVERLAND RUNOFF TO POND "A"		
PH 2 J3	4.13	0.43	10	100	9.8	17.3	OVERLAND RUNOFF TO POND "A"		
PH 2 K1	1.29	0.50	10	100	9.8	6.3	OFFSITE TO ALLUM PLANT ROAD		
PH 3 EE1	6.30	0.30	100	100	9.8	35.5	FROM OFFSITE TO TRIBUTARY 6A		
PH 3 EE2	19.14	0.35	20	100	8.3	55.6	EXISTING TO TRIBUTARY 6A		
PH 3 EE3	-	-	-	-	-	235.0	FROM OFFSITE TO TRIBUTARY 6		
PH 3 EE4	4.72	0.35	20	100	8.3	13.7	EXISTING TO TRIBUTARY 6		

- NOTES:**
- REFER TO PARK PLACE WEST - PHASE TWO RECORD PLANS DATED 11/2/2006 FOR ALLOWABLE DRAINAGE OF AREA E3. SEE PLAN SHEET 13.
 - REFER TO PARK PLACE WEST - PHASE TWO RECORD PLANS DATED 11/2/2006 FOR ALLOWABLE DRAINAGE OF AREA H2. SEE PLAN SHEET 11 & 14.
 - FLOODPLAIN INFORMATION STUDY FOR SOUTH PRONG CREEK, TRIBUTARY 6 & TRIBUTARY 6A PROVIDED BY BOYD HYDROLOGY PLLC DATED APRIL 2018.
- BH JOB #BH271
* ASTERISK INDICATES AREA TO BE REVISED IN PROPOSED CONDITIONS.

CONSTRUCTION RECORDS
DATE: 10-10-2019 BY: [Signature]
THIS DRAWING INDICATES THE WORK COMPLETED PER INFORMATION SUPPLIED BY THE CONTRACTOR. THE ACCURACY AND COMPLETENESS OF THIS INFORMATION HAS NOT BEEN VERIFIED BY THE ENGINEER. SURVEY VERIFICATION WAS NOT PERFORMED EXCEPT AS SPECIFICALLY NOTED. TOMDEN ENGINEERING, L.L.P. SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY BE INCORPORATED AS A RESULT OF ERRONEOUS INFORMATION PROVIDED BY OTHERS.
TOMDEN ENGINEERING, L.L.P.

BENCHMARKS
TBM ON THE SOUTH EDGE OF PAVEMENT OF WASHINGTON STREET AT THE INTERSECTION OF ALUMINUM PLANT ROAD. ELEVATION = 542.81'
TBM ON THE EAST EDGE OF PAVEMENT OF RENFRO STREET APPROXIMATELY 340' SOUTH OF THE INTERSECTION ON HARTMAN. ELEVATION = 535.43'

Designed By: BBI	Checked By: BBI	Date: 05-30-2018	App: AS SHOWN	Scale: AS SHOWN	Rev: []
<p>The seal appearing on this document was authorized by Jonathan L. Fitzgerald, P.E., No. 127704. Alteration of a sealed document without approval of the engineer is prohibited. Engineering Practice Act, 05-30-2018.</p>					
<p>Binkley & Barfield, Inc. consulting engineers Texas Registration Number F-257 www.binkleybarfield.com</p>					
<p>1601 Gateway Blvd., Suite 101, Rockwall, TX 75087 Phone (972) 644-2800</p>					
<p>PARK PLACE WEST - PHASE III R. BALLARD SURVEY ABSTRACT NO. 29 ROCKWALL, ROCKWALL COUNTY, TEXAS</p>					
<p>PRE DEVELOPMENT DRAINAGE AREA MAP</p>					
<p>Sheet No: C12 of 37</p>					

N:\BC13054 - Bricker\05A_CAD_Files\Phase 3\13054BC-FREDAM.dwg-Pre-Drainage Area Map Plotted May 30, 2018 at 3:42pm by jfitzgerald | Last Saved by jfitzgerald