LEGEND

- EXISTING DRAINAGE DIVIDE
- PROPOSED DRAINAGE DIVIDE
- FLOW ARROW
- FLOODPLAIN
- 560 CONTOURS PER SURVEY
- PROPOSED STORM SEWER
- CURRENT BUILDING
- PROPOSED PARKLAND/OPEN SPACE

GRAPHIC SCALE 1"=100'

100 0 100 200

Proposed Runoff Calculations

	Drainage Area No.	Drainage Area (Acre)	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 A-1 (PER RECORD PLANS)
PH 2	B1	0.40	0.50	10	100	9.8	2.0	TO LOW POINT CURB INLET B-1 (PER RECORD PLANS)
PH 2	B2	2.56	0.50	10	100	9.8	12.5	TO LOW POINT CURB INLET B-2 (PER RECORD PLANS)
PH 2	B3	0.42	0.50	10	100	9.8	2.1	TO COMBINATION ALLEY INLET B-3 (PER RECORD PLANS)
PH 2	B4	4.74	0.57	10	100	9.8	26.5	TO INLET B-4 (PER RECORD PLANS)
PH 2	B5	0.99	0.50	10	100	9.8	4.8	THRU BOX CULVERT (PER RECORD PLANS)
PH 2	C1	1.06	0.50	10	100	9.8	5.2	TO LOW POINT CURB INLET C-1 (PER RECORD PLANS)
PH 2	C2	1.14	0.48	10	100	9.8	5.4	TO LOW POINT CURB INLET C-2 (PER RECORD PLANS)
PH 2	D1	0.14	0.50	10	100	9.8	0.7	TO ON-GRADE CURB INLET D-1 (PER RECORD PLANS)
PH 3	D2	2.42	0.50	10	100	9.8	11.9	TO ON-GRADE CURB INLET #D2
PH 2	D3	0.50	0.45	10	100	9.8	2.2	TO COMBINATION ALLEY INLET D-3 (PER RECORD PLANS)
PH 2	D4	1.39	0.90	10	100	9.8	12.3	TO WYE INLET D-4 (PER RECORD PLANS)
PH 2	D5	4.58	0.90	10	100	9.8	40.4	MANHOLE ON EX 36" CGMP (PER RECORD PLANS)
PH 2	E1	0.60	0.50	10	100	9.8	2.9	TO LOW POINT CURB INLET E-1 (PER RECORD PLANS)
*PH 3	E2	2.40	0.50	10	100	9.8	11.8	TO LOW POINT CURB INLET #E2
*PH 3	E3	1.16	0.50	10	100	9.8	5.7	TO AREA DRAINS #E3
*PH 3	E4	0.27	0.50	10	100	9.8	1.3	TO ON-GRADE CURB INLET #E4
*PH 3	E5	0.85	0.50	10	100	9.8	4.2	TO ON-GRADE CURB INLET #E5
PH 2	F1	1.24	0.43	10	100	9.8	5.2	TO LOW POINT CURB INLET F-1 (PER RECORD PLANS)
PH 2	F2	1.34	0.50	10	100	9.8	6.6	OVERLAND RUNOFF TO ALLEY "C" & POND "A" (PER RECORD PLANS)
PH 2	G1	1.49	0.45	10	100	9.8	6.6	TO LOW POINT CURB INLET G-1 (PER RECORD PLANS)
PH 2	G2	1.05	0.50	10	100	9.8	5.1	OVERLAND RUNOFF TO CULVERT "G" (PER RECORD PLANS)
PH 2	G3	1.03	0.50	10	100	9.8	5.0	OVERLAND RUNOFF TO ALLEY "C" & RENFRO ST (PER RECORD PLANS)
PH 2	H1	0.76	0.50	10	100	9.8	3.7	TO ON-GRADE CURB INLET H-1 (PER RECORD PLANS)
*PH 3	H2	0.92	0.50	10	100	9.8	4.5	TO DROP INLET #H2 THEN TO POND "B"
PH 2	H3	0.71	0.50	10	100	9.8	3.5	OVERLAND RUNOFF TO POND "B" (PER RECORD PLANS)
*PH 3	H4	0.33	0.50	10	100	9.8	1.6	TO AREA DRAIN #H4 THEN TO POND "B"
PH 2	J1	1.28	0.47	10	100	9.8	5.9	OVERLAND RUNOFF TO POND "A" (PER RECORD PLANS)
PH 2	J2	3.84	0.45	10	100	9.8	16.9	OVERLAND RUNOFF TO POND "A" (PER RECORD PLANS)
PH 2	J3	4.13	0.43	10	100	9.8	17.4	OVERLAND RUNOFF TO POND "A" (PER RECORD PLANS)
PH 2	K1	1.29	0.50	10	100	9.8	6.3	OFFSITE TO ALLUM PLANT ROAD (PER RECORD PLANS)
*PH 3	L1	1.02	0.50	10	100	9.8	5.0	TO DROP INLET #L1
*PH 3	L2	1.33	0.50	10	100	9.8	6.5	TO ON-GRADE CURB INLET #L2
*PH 3	L3	0.37	0.50	10	100	9.8	1.8	TO ON-GRADE CURB INLET #L3
*PH 3	L4	0.63	0.50	10	100	9.8	3.1	TO LOW POINT CURB INLET #L4
*PH 3	L5	1.60	0.50	10	100	9.8	7.8	TO LOW POINT CURB INLET #L5
*PH 3	L6	0.36	0.50	10	100	9.8	1.8	TO ON-GRADE CURB INLET #L6
*PH 3	L7	1.30	0.50	10	100	9.8	6.4	TO ON-GRADE CURB INLET #L7
*PH 3	M1	0.32	0.50	10	100	9.8	1.6	TO ON-GRADE CURB INLET #M1
*PH 3	M2	0.78	0.42	10	100	9.8	3.2	TO ON-GRADE CURB INLET #M2
*PH 3	M3	1.93	0.41	10	100	9.8	7.8	TO LOW POINT CURB INLET #M3
*PH 3	M4	1.04	0.46	10	100	9.8	4.7	TO ON-GRADE CURB INLET #M4
*PH 3	M5	1.71	0.40	10	100	9.8	6.7	TO ON-GRADE CURB INLET #M5
*PH 3	M6	-	-	-	-	-	-	-
*PH 3	M7	4.05	0.90	10	100	9.8	35.7	OFFSITE TO WYE INLET #M7 THEN TO TRIBUTARY 6A
*PH 3	M8	2.13	0.90	10	100	9.8	18.8	OFFSITE TO WYE INLET #M7 THEN TO TRIBUTARY 6A
*PH 3	N1	4.31	0.46	10	100	9.8	19.4	TO TRIBUTARY 6A
*PH 3	N2	1.15	0.43	10	100	9.8	4.8	TO DETENTION POND "C"
*PH 3	O1	-	-	-	-	-	235.0	OFFSITE TO CULVERT THEN TO TRIBUTARY 6
*PH 3	O2	0.32	0.35	10	100	9.8	1.1	TO RR CULVERT THEN TO TRIBUTARY 6
*PH 3	O3	0.79	0.41	10	100	9.8	3.2	TO TRIBUTARY 6
*PH 3	P1	0.87	0.50	10	100	9.8	4.3	TO LOW POINT CURB INLET #P1
*PH 3	P2	3.19	0.44	10	100	9.8	13.6	TO LOW POINT CURB INLET #P2

NOTES:

1. PROPOSED DRAINAGE AREAS M2, M3, M4, M5, N1, N2, O2, O3 & P2 HAVE A FACTOR'D C VALUE FOR THE OPEN SPACE CONDITIONS.
2. ~~DRAINAGE AREA D2 FROM PHASE II HAD A CALCULATED RUNOFF OF 10.0 CFS. NEW RUNOFF AMOUNT IS CALCULATED AT 9.80 CFS.~~
3. DRAINAGE AREA E3, E4 & E5 FROM PHASE II HAD A CACULATED RUNOFF OF 10.98 CFS. NEW RUNOFF AMOUNT IS CALCULATED AT 11.2 CFS. DETENTION POND B HAS NOT BEEN ENLARGED TO ACCOMMODATE THE 0.22 CFS DIFFERENCE.
4. DRAINAGE AREA H2 FROM PHASE II HAD A CALCULATED RUNOFF OF 7.28 CFS. NEW RUNOFF AMOUNT FOR H2 & H4 COMBINED IS CALCULATED AT 6.1 CFS.
5. FLOODPLAIN INFORMATION STUDY FOR SOUTH PRONG CREEK, TRIBUTARY 6 & TRIBUTARY 6A PROVIDED BY BOYD HYDROLOGY PLLC DATED APRIL 2018. BH JOB #BH271
6. DRAINAGE AREA D2 FROM PHASE II HAD A CALCULATED AREA OF 2.03 ACRES AND RUNOFF OF 10.0 CFS. NEW AREA IN NOW 2.55 ACRES AND RUNOFF IS 12.5 CFS. SEE NEW SHEET C38 FOR DETENTION POND A ENLARGEMENT.

CONSTRUCTION RECORDS
DATE: 10.10.2019 BY:
THIS DRAWING INDICATES THE WORK COMPLETED PER INFORMATION SUPPLIED BY THE CONTRACTOR. THE ACCURACY AND COMPLETENESS OF THIS INFORMATION HAS NOT BEEN VERIFIED. ANY FIELD 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.

1 THIS SHEET SUPPLEMENTS ORIGINAL SHT C1.3 AND SHALL BE USED FOR THE CONSTRUCTION OF THE CLOUDED INFORMATION ONLY. BINKLEY BARFIELD SHALL BE RESPONSIBLE FOR ALL OTHER DESIGN INFORMATION SHOWN.

BENCHMARKS

TBM ON THE SOUTH EDGE OF PAVEMENT OF WASHINGTON STREET AT THE INTERSECTION OF ALUMINUM PLANT ROAD. ELEVATION = 542.91'

TBM ON THE EAST EDGE OF PAVEMENT OF RENFRO STREET APPROXIMATELY 340' SOUTH OF THE INTERSECTION ON HARTMAN. ELEVATION = 535.43'

NO.	DESCRIPTION	BY	DATE
1	REVISE ALLEY A PROFILE AREAS M5 & D2 REMOVE DRAINAGE AREAS M6 AND COMBINE WITH D2	TPJ	11.12.2018
2	PER CITY COMMENTS	TPJ	05.31.2019

DESIGNED BY: TPJ
DRAWN BY: BHD
CHECKED BY: TPJ
JOB NO: 09.19.2018
DATE: AS SHOWN
SCALE:

TOMDEN ENGINEERING, L.L.P.
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STATE OF TEXAS — THOMAS P. JONES — 96837 — REGISTERED PROFESSIONAL ENGINEER — 10-10-19

PARK PLACE WEST - PHASE III
R. BALLARD SURVEY ABSTRACT NO. 29
ROCKWALL, ROCKWALL COUNTY, TEXAS

POST DEVELOPMENT DRAINAGE AREA MAP

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