

C:\USERS\NKERAN\APPDATA\LOCAL\TEMP\ACPUBLISH\_15860\TD180033GP2.DWG PRINTED BY: NKERAN 1.10.20 @ 3:20 PM LAST SAVED BY: NKERAN

#### LEGEND

DIRECTION OF DRAINAGE	$\leftarrow$
EX. AREA BOUNDARY	
EXISTING CONTOUR	601
PROPERTY LINE	
DRAINAGE AREA NUMB AREA (AC	AT

### DRAINAGE GENERAL NOTES:

- CONTRACTOR TO FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- SEE GRADING SHEET C-401 FOR DETAILED INFORMATION ON STORM DRAIN LINES.
- 3. ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN.
- CI-F18 AND CI-F19 ARE 15', TY II CURB INLETS. SEE NOTE 5 BELOW FOR THE REFERENCE PLAN SET.
- REFER TO TXDOT PLANS TITLED "SH 205 0451-01-032 AS-BUILT INDEX VOL II" PREPARED BY PARSONS BRINKERHAFF QUADE & DOUGLAS, INC. DATED 6/9/06.

### FLOOD NOTE:

ACCORDING TO FLOOD INSURANCE RATE MAP (FIRM) NO. 48397C0040L, EFFECTIVE SEPTEMBER 26, 2008, ROCKWALL COUNTY, TEXAS, THIS PROPERTY IS WITHIN ZONE X. NO 100-YEAR FLOODPLAIN EXISTS ON THE SITE.

# C VALUE CALCULATIONS

DRAINAGE AREA	AREA (AC)	PAVEMENT C=0.90	INDUSTRIAL C=0.85	WEIGHTED COEFFICIENT
A1	0.39	0.25	0.14	0.883
A2.1	0.12	0.12	0.00	0.900
A2.2	0.71	0.12	0.59	0.858
А3	0.37	0.22	0.15	0.879
A4	0.95	0.00	0.95	0.850

\*COEFFICIENT VALUES BASED ON TXDOT DESIGN PLANS.

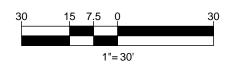
# 5-YR DRAINAGE AREA TABLE

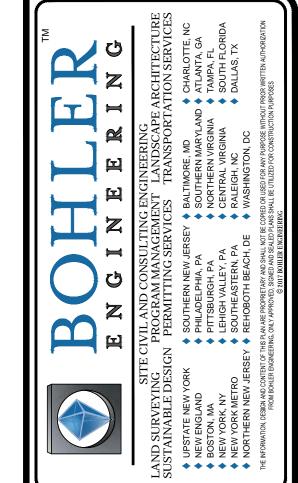
DRAINAGE AREA	AREA (AC)	RUNOFF COEFFICIENT "C"	C*A	TIME OF CONCENTRATION (MINUTES)	RAINFALL INTENSITY "I <sub>5</sub> " (IN/HR)	TOTAL FLOW Q <sub>5</sub> (CFS)	COLLECTION POINT
A1	0.39	0.883	0.341	10	6.93	2.36	CI-F21
A2.1	0.12	0.900	0.108	10	6.93	0.75	CI-F21
A2.2	0.71	0.858	0.609	10	6.93	4.22	CI-F20
А3	0.37	0.879	0.322	10	6.93	2.23	CI-F19
A4	0.95	0.850	0.803	10	6.93	5.57	CI-F18

## 100-YR DRAINAGE AREA TABLE

DRAINAGE AREA	AREA (AC)	RUNOFF COEFFICIENT "C"	C*A	TIME OF CONCENTRATION (MINUTES)	RAINFALL INTENSITY "I <sub>100</sub> " (IN/HR)	TOTAL FLOW Q <sub>100</sub> (CFS)	COLLECTION POINT
A1	0.39	0.883	0.341	10	9.80	3.34	CI-F21
A2.1	0.12	0.900	0.108	10	9.80	1.06	CI-F21
A2.2	0.71	0.858	0.609	10	9.80	5.97	CI-F20
A3	0.37	0.879	0.322	10	9.80	3.16	CI-F19
A4	0.95	0.850	0.803	10	9.80	7 87	CI-F18







REVISIONS						
REV	DATE	COMMENT	BY			
1	3/18/19	DOMESTIC WATER REVISION	MJH			
2	4/19/19	TAS REVIEW COMMENTS	MJH			



ASBUILT RECORD DRAWING

It's fast. It's free. It's the law.

PROJECT No.: TD1800:
DRAWN BY: M.
CHECKED BY: DOTE: 02/25/20
SCALE: 1"=3

CONSTRUCTION DOCUMENTS

brakes plus (Campiledo Auto Service)

LOCATION OF SITE

1902 S. GOLIAD ST

LOTS 1 & 2, BLOCK A, BILLY

PEOPLES ADDITION NO. 1

ROCKWALL, TX 75087

ROCKWALL COUNTY



6017 MAIN STREET FRISCO, TX 75034 Phone: (469) 458-7300 TX @BohlerEng.com



SHEET TITLE:

EXISTING DRAINAGE AREA MAP

C-402

CASE NUMBER: SP2018-030