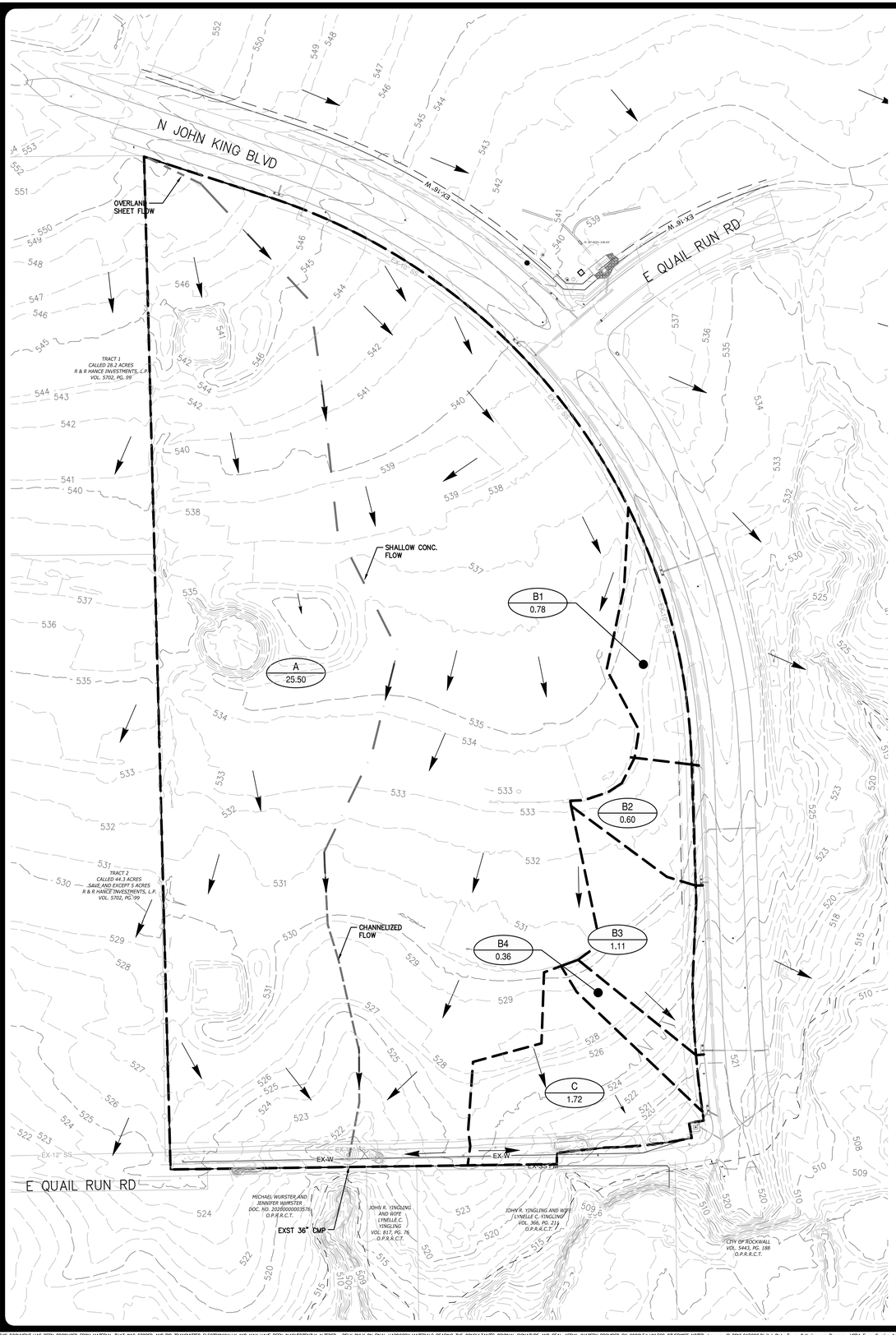

PRE-DEVELOPMENT DRAINAGE AREA CALCULATIONS

Area ID.	Total Drainage Area	Areas Drained: Parks or Open Area (C=0.35)	Residential (C=0.5)	Commercial (C=0.9)	Weighted Runoff Coefficient C	CA	Tc (min)	Design Storm Frequency	Intensity 100 Year (in/hr)	Q100 Year (cfs)	Drains To/ Remarks
	(acres)	(acres)	(acres)	(acres)							
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)			(12)
Onsite		0.35	0.5	0.9							
A	25.50	25.50			0.35	8.93	20	100	8.30	74.08	Drain to existing 36" Pipe
B1	0.78	0.78			0.35	0.27	20	100	8.30	2.27	Existing Inlet in John King
B2	0.60	0.60			0.35	0.21	20	100	8.30	1.74	Existing Inlet in John King
B3	1.11	1.11			0.35	0.39	20	100	8.30	3.22	Existing Inlet in John King
B4	0.36	0.36			0.35	0.13	20	100	8.30	1.05	Existing Inlet in John King
C	1.72	1.72			0.35	0.60	20	100	8.30	5.00	Existing Wye Inlet
TOTAL	30.07									81.31	

SCALE: 1"=100'
0 100 200 300

BENCHMARKS

TBM NO. 1
X-CUT SET IN CONCRETE LOCATED IN THE CENTER OF A CURB INLET IN THE SOUTHWESTERLY CURB LINE OF NORTH JOHN KING BOULEVARD AND BEING +/- 235' SOUTHEST OF THE NORTHWEST CORNER OF THE SUBJECT TRACT AND 535' NORTHWEST OF THE INTERSECTION OF N. JOHN KING BOULEVARD AND EAST QUAIL RUN ROAD
ELEV: 546.16'

TBM NO. 2
X-CUT SET IN CONCRETE LOCATED IN THE CENTER OF A CURB INLET IN THE WEST CURB LINE OF NORTH JOHN KING BOULEVARD AND BEING +/- 662' NORTH OF THE INTERSECTION NORTH JOHN KING BOULEVARD AND WEST QUAIL RUN ROAD AND +/- 723' SOUTHEAST OF THE INTERSECTION OF N. JOHN KING BOULEVARD AND EAST QUAIL RUN ROAD.
ELEV: 530.38'

MASTER DRAINAGE LEGEND

- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- DRAINAGE AREA
- EXISTING STORM DRAIN
- PROPOSED FLOW DIRECTION
- A–1 / 1.00 — DRAINAGE AREA / ACRES
- OVERLAND/SHEET FLOW
- SHALLOW CONCENTRATED
- CHANNEL

RECORD DRAWING

THESE RECORD DRAWINGS ARE BASED ON AS-BUILT DOCUMENTS PROVIDED BY THE CONTRACTOR OR DEVELOPER. FIELD INSPECTION OF CONSTRUCTION, IF REQUIRED FOR COMPLIANCE WITH CERTAIN REGULATORY STANDARDS, WAS NOT PERFORMED BY THE DESIGN ENGINEER. IT IS NOT GUARANTEED THAT THIS DOCUMENT REPRESENTS "AS-BUILT CONDITIONS."
03/22/2022

UTILITY NOTE

THE EXISTING UTILITIES SHOWN ON THESE PLANS WERE COMPILED FROM VARIOUS SOURCES AND ARE INTENDED TO SHOW THE GENERAL EXISTENCE AND LOCATION OF THE UTILITY INFORMATION ON THE PLANS. THE CONTRACTOR SHALL CONTACT A UTILITY LOCATING SERVICE 48 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND OF ALL EXISTING UTILITIES AND DETERMINE IF THERE ARE ANY CONFLICTS WITH THE PROPOSED FACILITIES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY WHEN CONFLICTS WITH EXISTING UTILITIES ARE DISCOVERED.

RESPONSIBILITY NOTE

ALL RESPONSIBILITY FOR THE ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR THE ADEQUACY OR ACCURACY OF DESIGN.

NO.	REVISION	DATE

STATE OF TEXAS
ADAM S. REEVES
98410
LICENSED PROFESSIONAL ENGINEER
6.8.2021

PAPE-DAWSON ENGINEERS
FORT WORTH I SAN ANTONIO I AUSTIN I HOUSTON I DALLAS
6500 W FWY, STE 700 I FT. WORTH, TX 76102 I 817.870.3668
TEXAS BOARD OF PROFESSIONAL ENGINEERS, FIRM REGISTRATION #470

GIDEON GROVE - PHASE 2
CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

DRAINAGE AREA MAP
EXISTING

PLAT NO. #
JOB NO. 6126300
DATE June 21
DESIGNER ML
CHECKED ASR DRAWN ML
SHEET 6

Date: Jun 08, 2021, 5:18pm User ID: LFerguson
File: S:\projects\612\63\00\2.0 Design\2.4 Civil\2.4.3 Plan Sheets\SD0X-6126300.dwg