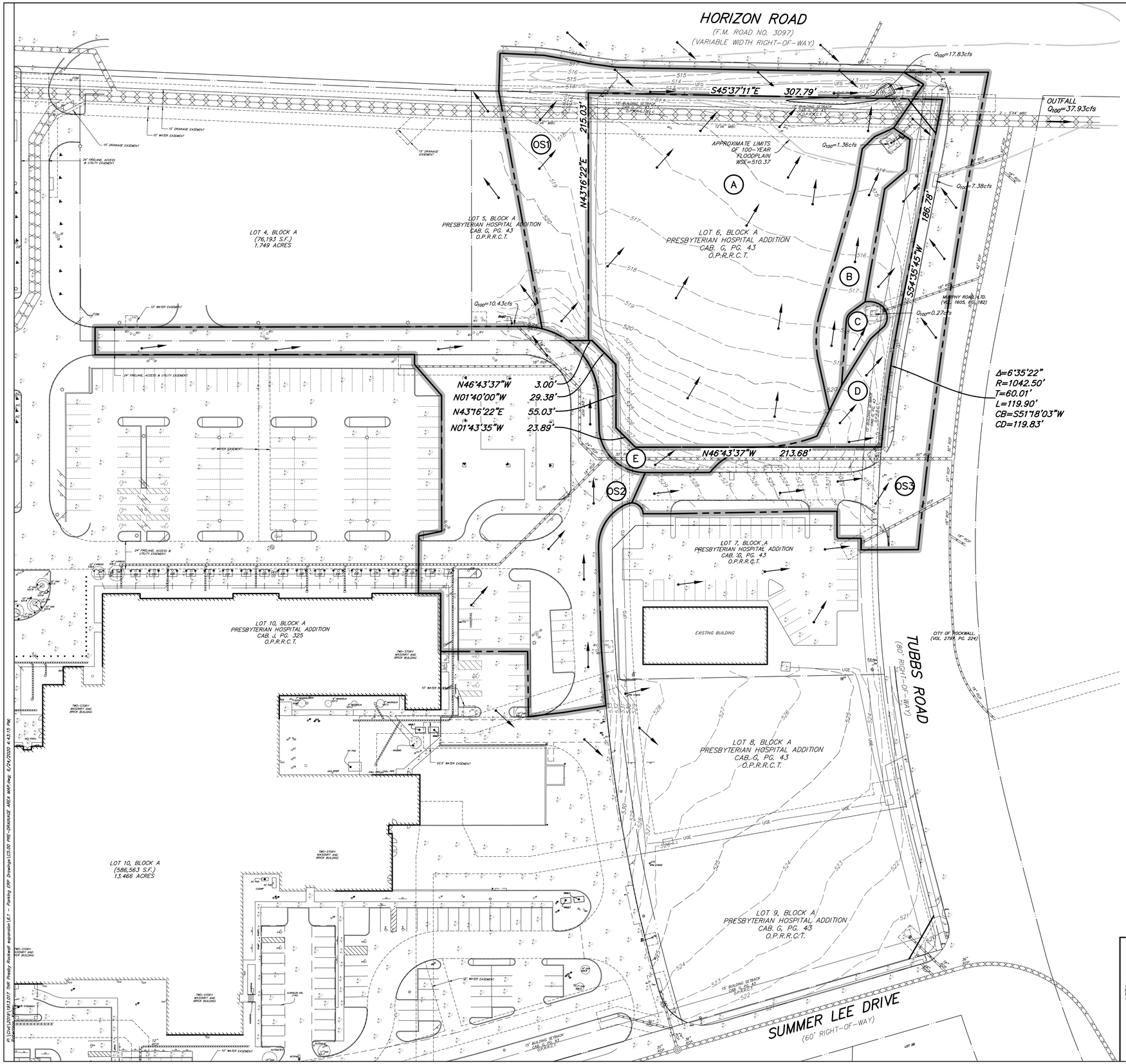

LEGEND

- FLOW ARROW
- DRAINAGE DIVIDE LINE
- (A) DRAINAGE AREA NUMBER

DRAINAGE CALCULATIONS Q=CiA

DRAINAGE AREA	Area (acres)	Time of Concentration (min)	C (actual)	i_{100} (in/hr)	Q_{100} (cfs)	Remarks
A	1.49	10	0.9	9.8	13.13	AREA DRAINS TO EX WYE INLET
B	0.15	10	0.9	9.8	1.36	AREA DRAINS TO EX WYE INLET
C	0.03	10	0.9	9.8	0.27	AREA DRAINS TO EX WYE INLET
D	0.23	10	0.9	9.8	2.00	AREA DRAINS TO EX 10' CURB INLET
E	0.09	10	0.9	9.8	0.77	AREA DRAINS TO EX WYE INLET
OS1	0.49	10	0.9	9.8	4.31	AREA DRAINS TO EX 10' CURB INLET
OS2	1.18	10	0.9	9.8	10.43	AREA DRAINS TO EX 10' CURB INLET
OS3	0.64	10	0.9	9.8	5.65	AREA DRAINS TO EX 10' CURB INLET

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.

RECORD DRAWING

TO THE BEST OF OUR KNOWLEDGE, RLG INC. HEREBY STATES THAT THESE PLANS ARE RECORD DRAWINGS. THIS INFORMATION IS BASED ON SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.

DATE: 06/18/2020

REVISIONS			
REV NO.	DATE	DESCRIPTION	BY

RLG CONSULTING ENGINEERS
12001 N. CENTRAL EXPRESSWAY #300 DALLAS, TX 75243
TBPE FIRM REG. F-493

STATE OF TEXAS
STUART MARKUSSEN
63558
LICENSED
PROFESSIONAL ENGINEER
6/18/20

BENCHMARKS:

BENCHMARK #1: A CHISELED "X" CUT ON THE TOP OF A DROP INLET, 75'± NORTHWEST OF THE CENTERLINE OF TUBBS ROAD, 103'± SOUTHWEST OF THE CENTERLINE OF HORIZON ROAD. ELEVATION: 513.98'

BENCHMARK #2: A CHISELED "X" CUT AT THE NORTHERNMOST CORNER AN INLET, ON THE NORTHEASTERLY LINE OF OF A PRIVATE DRIVE, 10' NORTHWEST OF A CURB RETURN IN SAID NORTHEASTERLY LINE OF A PRIVATE DRIVE, 371'± NORTHWEST OF THE CENTERLINE OF TUBBS ROAD, AND 266'± SOUTHWEST OF THE CENTERLINE OF HORIZON ROAD. ELEVATION: 525.32'

PRE-DRAINAGE AREA MAP

THR PRESBYTERIAN HOSPITAL EXPANSION

ROCKWALL, TEXAS

PERKINS & WILL

PHASE I - PARKING EXPANSION - IFC

REVIEW	DRAWN	DATE	FILE	NUMBER	SHEET
RLG	RLG	1/6/2020	1913	017	C5.00

P:\Dal\2019\1913.017 THR Presby Rockwall expansion\61 - Parking ERP Drawings\C5.00 PRE-DRAINAGE AREA MAP.dwg 6/24/2020 4:43:15 PM