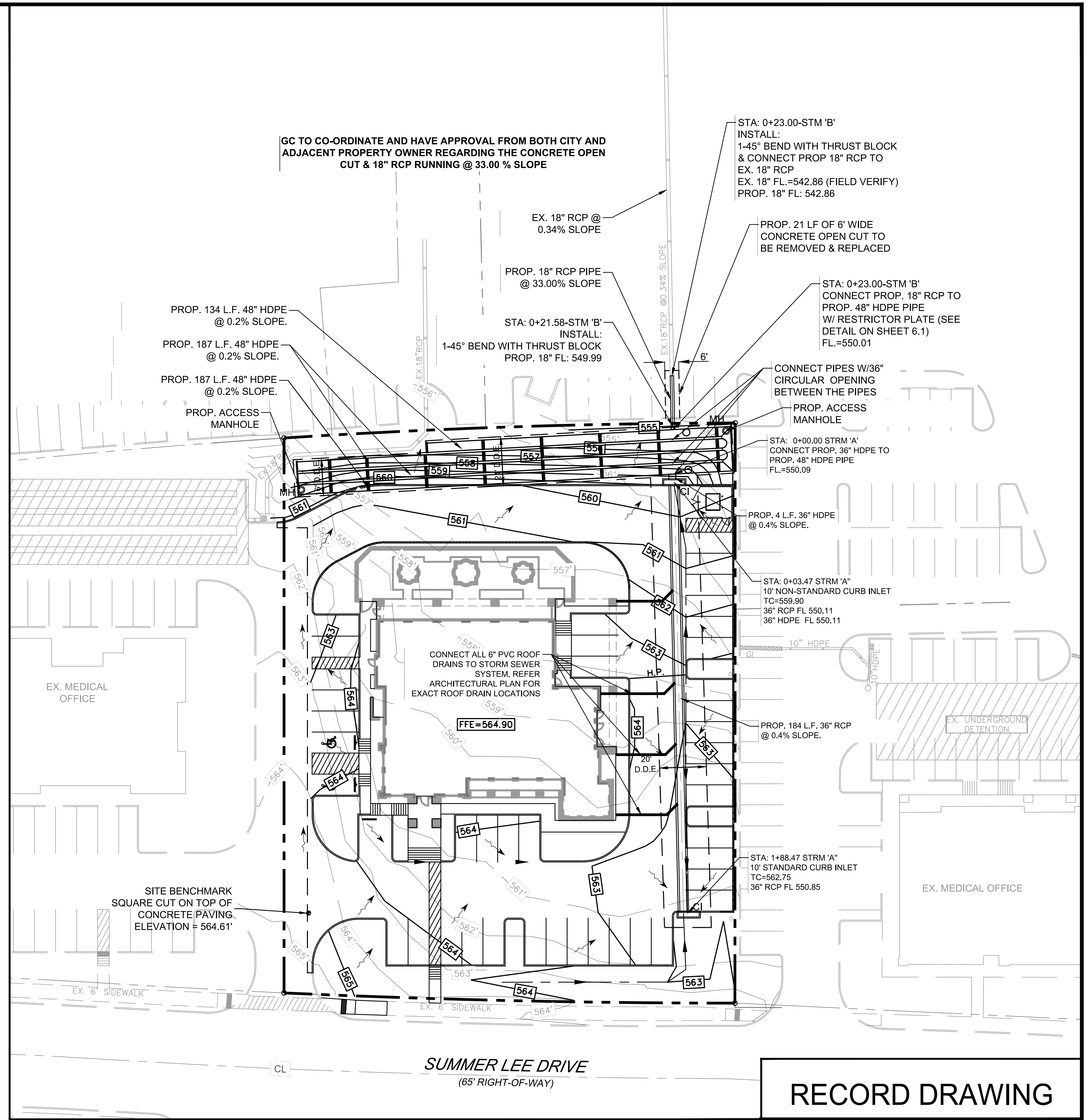


**HYDRAULIC CALCULATION FOR PRIVATE STORM 'B'**

STATION	LENGTH	ADDITIONAL FLOW	TOTAL FLOW	CAPACITY	VELOCITY	PIPE SIZE	PIPE SLOPE	PIPE MATERIAL	INVERT ELEVATION (DS)	INVERT ELEVATION (FS)	HGL (DS)	HGL (FS)	GROUND RIM (DS)	GROUND RIM (FS)	FRICTION SLOPE (S)	VELOCITY HEAD	
FROM	TO	(cfs)	(cfs)	(cfs)	(ft/s)	(in)	(%)		(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	ft	
EXISTING	0+00.00	159.24	0.00	2.42	6.11	18.00	0.34	RCP	542.32	542.86	543.82	543.90	550.40	553.20	0.0005	0.04	
	0+00.00	0+21.58	21.58	0.00	2.42	60.36	9.25	18.00	33.00	RCP	542.86	549.99	544.36	550.20	554.40	0.2706	1.33
	0+21.58	0+23.00	1.42	2.42	2.42	12.47	5.46	18.00	1.42	RCP	549.99	550.01	550.44	550.46	555.00	0.0141	0.46



**NOTE**

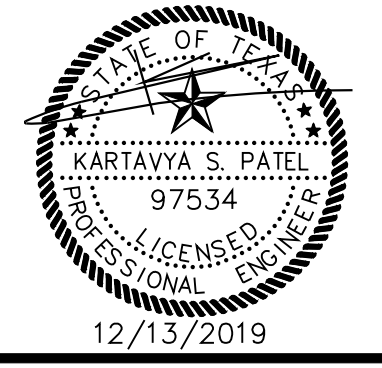
- VERIFY ROOF DRAIN LOCATION WITH ARCHITECTURAL PLANS.
- ALL ROOF DRAINS TO CONNECT STORM SEWER SYSTEM.
- POSITIVE DRAINAGE SHALL BE ALLOWED AROUND THE BUILDING FOUNDATION TO PREVENT WATER GOING TO BUILDING.

**AS-BUILT DRAWINGS:**  
TO THE BEST OF OUR KNOWLEDGE TRIANGLE ENGINEERING LLC., HEREBY STATES THAT THIS PLAN IS AS-BUILT. THE INFORMATION PROVIDED IS BASED ON SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.

KARTAVYA S. PATEL, P.E. NO. 97534

**BENCHMARK**  
SQUARE-CUT ON TOP OF CONCRETE PAVEMENT. ELEVATION = 564.61'

NO.	DATE	DESCRIPTION	BY
1	12/13/2019	AS-BUILT RECORD DRAWING	KP



**RECORD DRAWING**

CASE # SP2017-023

**STORM SEWER PLAN & PROFILE**

OFFICE BUILDING  
1306 SUMMER LEE DRIVE  
CITY OF ROCKWALL  
ROCKWALL COUNTY, TEXAS

**TRIANGLE ENGINEERING LLC**

T: 214.609.9271 F: 469.359.6709 | E: kpatel@triangle-engr.com  
W: triangle-engr.com | O: 1784 W. McDermott Drive, Suite 110, Allen, TX 75013

Planning | Civil Engineering | Construction Management

DESIGN/DRAWN: KP DS DATE: 07/04/17 SCALE: SEE SCALE BAR PROJECT NO.: 018-17 SHEET NO.: **6.1**

TX PE FIRM #11525