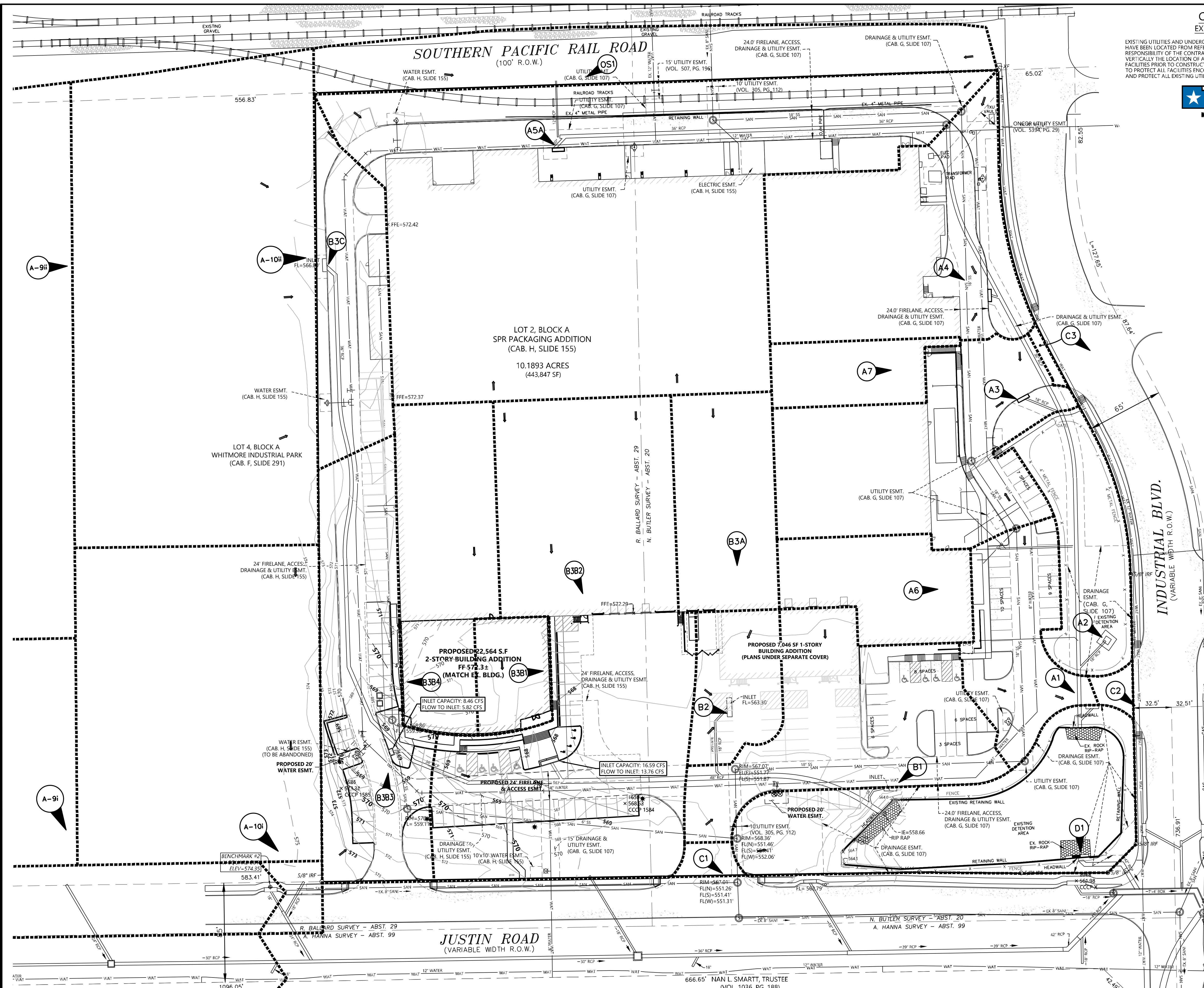


© 2019 Westwood Professional Services, Inc.

N:\00148302\1 PROJECT DATA\DWG\CIVIL\0014830-02-C-DA.DWG

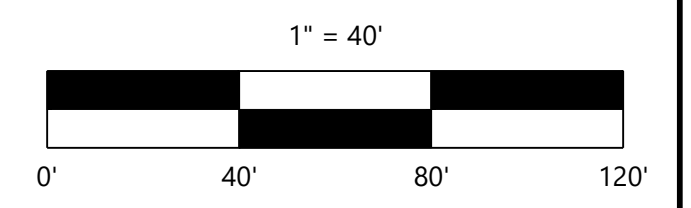


CAUTION !!!  
EXISTING UTILITIES

EXISTING UTILITIES AND UNDERGROUND FACILITIES INDICATED ON THESE PLANS HAVE BEEN LOCATED FROM REFERENCE INFORMATION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY BOTH HORIZONTALLY AND VERTICALLY THE LOCATION OF ALL EXISTING UTILITIES AND UNDERGROUND FACILITIES PRIOR TO CONSTRUCTION. TO TAKE NECESSARY PRECAUTIONS IN ORDER TO PROTECT ALL FACILITIES ENCOUNTERED, THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION.



ADA ROUTE  
NOTE:  
MAXIMUM SLOPE FOR ALL ADA PATHS 5%; MAX. CROSS FALL IS 2%; FOR THE FIRST FIVE FOOT FROM THE DOOR A 2% SLOPE (MAX.) MUST BE MAINTAINED



Drainage Area Table / Calculations						
Drainage Area #	Area (Ac)	Tc (Min)	C Dev	I <sub>100</sub> Dev.	Q <sub>100</sub>	Description
A1	0.320	10.00	0.90	9.80	2.82	Ex. 10' Curb Inlet
A2	0.330	10.00	0.90	9.80	2.91	Ex. 4' X 4' Drop Inlet
A3	0.710	10.00	0.90	9.80	6.26	Ex. 10' Curb Inlet
A4	0.780	10.00	0.90	9.80	6.88	Ex. 10' Curb Inlet
A5A	2.358	10.00	0.90	9.80	20.80	Ex. 10' Curb Inlet
A6	0.290	10.00	0.90	9.80	2.56	Ex. Roof Collection
A7	0.170	10.00	0.90	9.80	1.50	Ex. Roof Collection
B1	0.640	10.00	0.90	9.80	5.64	Ex. 10' Curb Inlet
B2	0.211	10.00	0.90	9.80	1.86	Ex. Grate Inlet
B3A	0.369	10.00	0.90	9.80	3.25	Ex. Grate Inlet
B3B1	0.140	10.00	0.90	9.80	1.23	Prop. Roof Collection
B3B2	1.560	10.00	0.90	9.80	13.76	Prop. 15' Curb Inlet
B3B3	0.660	10.00	0.90	9.80	5.82	Prop. 5' Curb Inlet
B3B4	0.510	10.00	0.90	9.80	4.50	Prop. Roof Collection
B3C	0.370	10.00	0.90	9.80	3.26	Ex. 10' Curb Inlet
C1	0.030	10.00	0.90	9.80	0.26	To Justin Road
C2	0.020	10.00	0.90	9.80	0.18	To Industrial Boulevard
C3	0.010	10.00	0.90	9.80	0.09	To Industrial Boulevard
D1	0.700	10.00	0.90	9.80	6.17	Detention Pond
OS1	0.600	10.00	0.90	9.80	5.29	Ex. Grate Inlet
A-9i	2.850	10.00	0.90	9.80	25.14	4'X4' Drop Inlet-Justin Road
A-9ii	4.490	10.00	0.90	9.80	39.60	Ex. 10' Curb Inlet
A-10i	1.310	10.00	0.90	9.80	11.55	4'X4' Drop Inlet-Justin Rd
A-10ii	2.070	10.00	0.90	9.80	18.26	Ex. 10' Curb Inlet

DRAINAGE CRITERIA - RATIONAL METHOD  
Q = C \* I \* A, CFS  
C = WEIGHTED RUNOFF COEFFICIENT, DIMENSIONLESS  
I = AVERAGE RAINFALL INTENSITY, IN/HR  
A = DRAINAGE BASIN AREA, ACRES

**BENCHMARK LIST:**  
BENCHMARK #1  
X-CUT FOUND ON THE TOP OF CURB OF THE SOUTHERN CURB RETURN AT EAST SIDE OF INDUSTRIAL BLVD. 590'± SOUTH FROM CENTERLINE OF RAILROAD.  
ELEVATION = 564.27  
BENCHMARK #2  
X-CUT SET AT THE SOUTHEAST CORNER OF CURB INLET LOCATED IN NORTH SIDE OF JUSTIN ROAD 40'± WEST OF SOUTHWEST CORNER OF SITE.  
ELEVATION = 574.35

**RECORD DRAWINGS:**  
IT IS THE INTENT THAT THE IMPROVEMENTS SHOWN BE CONSTRUCTED ACCORDING TO THESE PLANS AS APPROVED BY THE CITY. THE LINES AND GRADES WERE SET ON THE GROUND FOR CONSTRUCTION ACCORDING TO SAID PLANS. THE CITY INSPECTED THE CONSTRUCTION. WE ARE NOT AWARE OF ANY CHANGES OR REVISIONS TO THESE PLANS DURING CONSTRUCTION OTHER THAN THOSE SHOWN. TO THE BEST OF OUR KNOWLEDGE, WESTWOOD PROFESSIONAL SERVICES, INC. HEREBY STATES THAT THIS PLANS IS AS-BUILT. THE INFORMATION PROVIDED IS BASED ON SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR. DATE: 02-08-2021

DESIGNED:	AW5
CHECKED:	AW5
DRAWN:	WTV
HORIZONTAL SCALE:	##/##
VERTICAL SCALE:	## OF ##

INITIAL ISSUE:	11-08-2019
REVISIONS:	
1	03-16-2020 SITE REVISIONS
2	05-13-2020 FOR CONSTRUCTION
3	12-16-2020 REMOVE AND REPLACE SIDEWALK ALONG JUSTIN ROAD
4	02-05-2021 REVISED ENTRY PLAZA AREA
5	02-08-2021 RECORD DRAWINGS

PREPARED FOR:  
**PROSS DESIGN GROUP, INC.**  
5310 HARVEST HILL ROAD, SUITE 180  
DALLAS, TEXAS 75230



**SPR OFFICE ADDITION**  
ROCKWALL, TEXAS

**Westwood**  
Phone (214) 473-4640 2740 Dallas Parkway, Suite 280  
Toll Free (888) 937-5150 Plano, TX 75093  
westwoodps.com  
Westwood Professional Services, Inc.  
TYPE FIRM REGISTRATION NO. F-11756  
TBLS FIRM REGISTRATION NO. 10074301

SHEET NUMBER:  
**2.01**  
DRAINAGE AREA MAP  
PROJECT NUMBER: 0014830-02 DATE: 11-08-2019

SPR OFFICE ADDITION