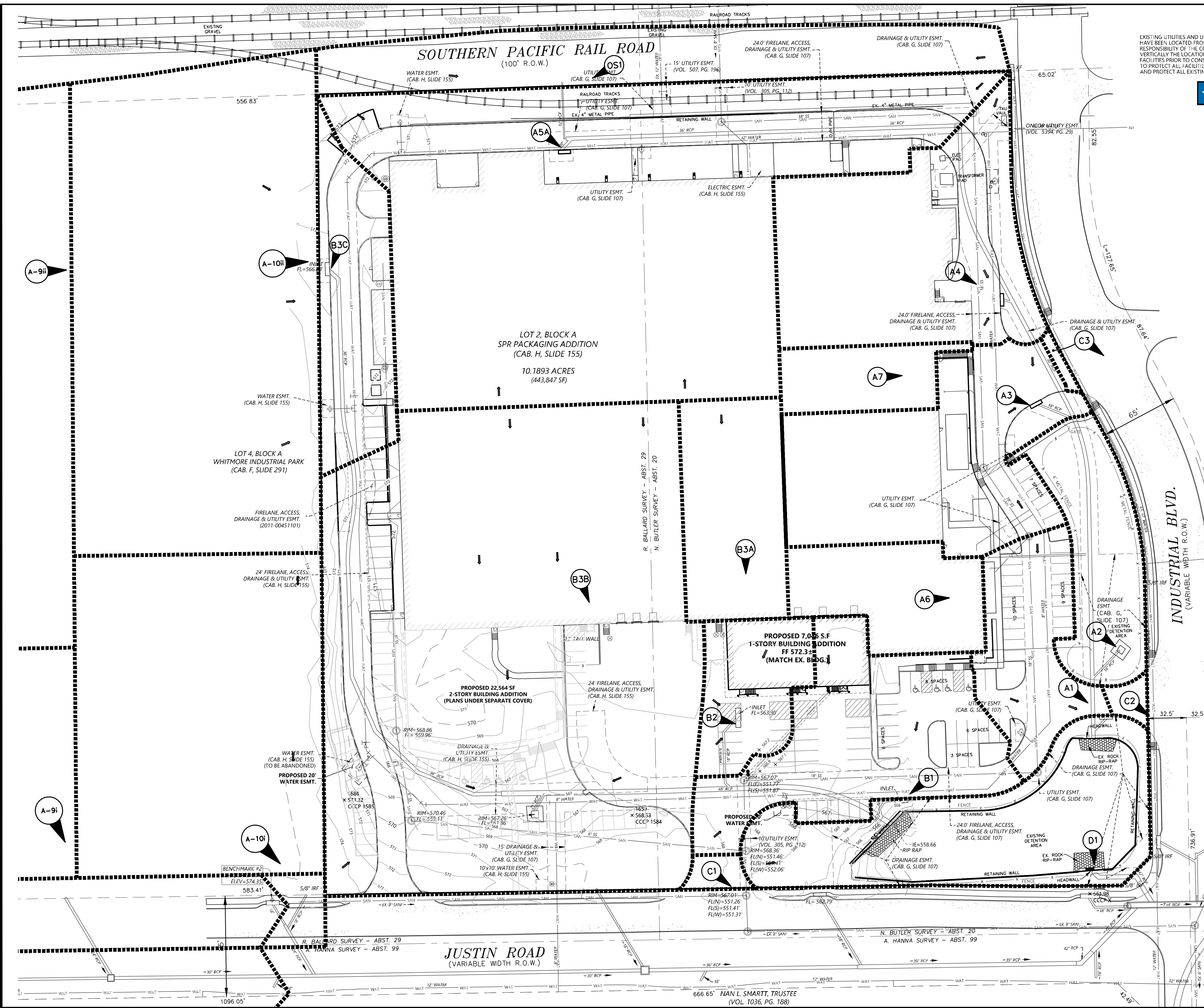


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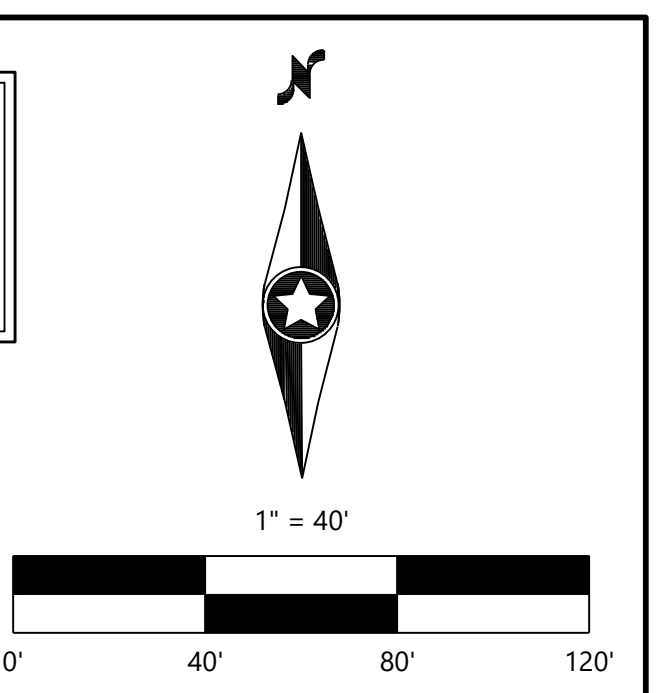
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CAUTION !!!
EXISTING UTILITIES
 EXISTING UTILITIES AND UNDERGROUND FACILITIES INDICATED ON THESE PLANS HAVE BEEN LOCATED FROM REFERENCE INFORMATION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY BOTH HORIZONTALLY AND VERTICALLY THE LOCATION 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.

Texas 811
 Know what's below.
 Call before you dig.

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 ₁₀₀ Dev. | Q ₁₀₀ | 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 | 0.634 | 10.00 | 0.90 | 9.80 | 5.59 | Ex. 10' Curb Inlet |
| B2 | 0.238 | 10.00 | 0.90 | 9.80 | 2.10 | Ex. Grate Inlet |
| B3A | 0.369 | 10.00 | 0.90 | 9.80 | 3.25 | Ex. Grate Inlet |
| B3B | 2.870 | 10.00 | 0.90 | 9.80 | 25.31 | Ex. Drop Inlet |
| 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 | 0.680 | 10.00 | 0.90 | 9.80 | 6.00 | Detention Pond |
| OS1 | 0.600 | 10.00 | 0.90 | 9.80 | 5.29 | Ex. Grate Inlet |
| A-9ii | 2.850 | 10.00 | 0.90 | 9.80 | 25.14 | 4'X4' Drop Inlet-Justin Rd |
| A-9i | 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
 $Q = C \cdot I \cdot A$, CFS
 C = WEIGHTED RUNOFF COEFFICIENT, DIMENSIONLESS
 I = AVERAGE RAINFALL INTENSITY, IN/HR
 A = DRAINAGE BASIN AREA, ACRES

BENCH MARK 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 WAS 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 PLAN IS AS-BUILT. THE INFORMATION PROVIDED IS BASED ON SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR. DATE: 10-09-2020

DESIGNED: AWS
 CHECKED: AWS
 DRAWN: WTW
 HORIZONTAL SCALE: 40'
 VERTICAL SCALE: 8' or 4'

INITIAL ISSUE: 11-08-2019
 REVISIONS:
 03-16-2020 SITE REVISIONS
 10-09-2020 RECORD DRAWINGS

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

ARLYN W. SAMUELSON
 95877
 LICENSED PROFESSIONAL SURVEYOR
 STATE OF TEXAS

Arlyn W. Samuelson
 11-08-2019

INK ROOM & LOCKER ROOM ADDITION
 ROCKWALL, TEXAS

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 Westwood Professional Services, Inc.
 TYPE FIRM REGISTRATION NO. F-11756
 TPLS FIRM REGISTRATION NO. 10074301

SHEET NUMBER:
2.01
DRAINAGE AREA MAP
 PROJECT NUMBER: 0014830-01 DATE: 11-08-2019

INK ROOM & LOCKER ROOM ADDITION