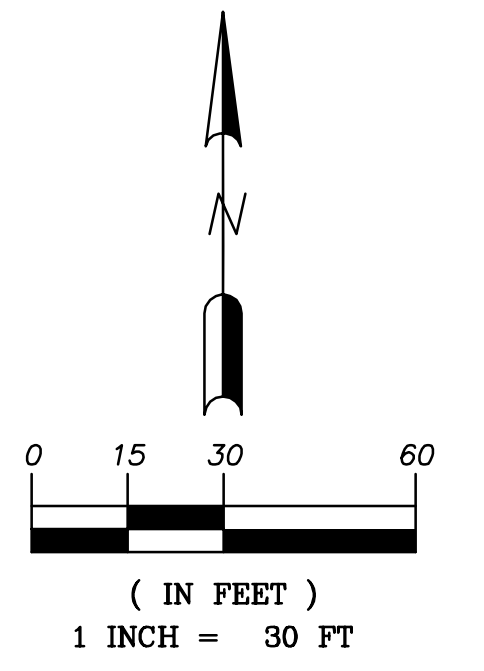


RECORD DRAWING
 TO THE BEST OF OUR KNOWLEDGE CARRILLO ENGINEERING, HEREBY STATES THAT THIS PLAN IS AS-BUILT. THE INFORMATION PROVIDED IS BASED ON SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.
 DATE: SEPTEMBER 27, 2021

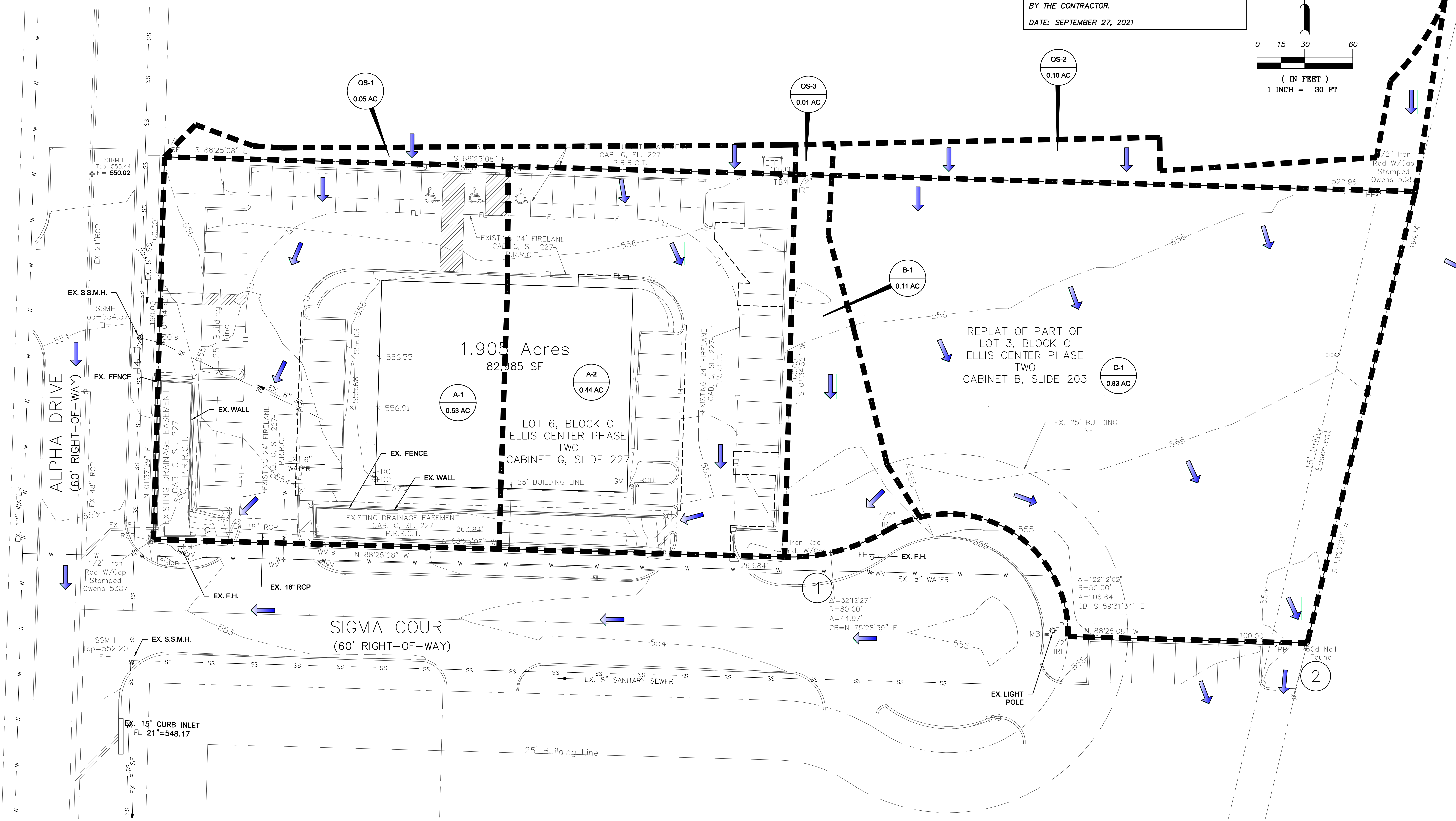


NOT FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION



Revision Schedule		
Rev. #	Revision Description	Revision Date

NOTE:
 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.



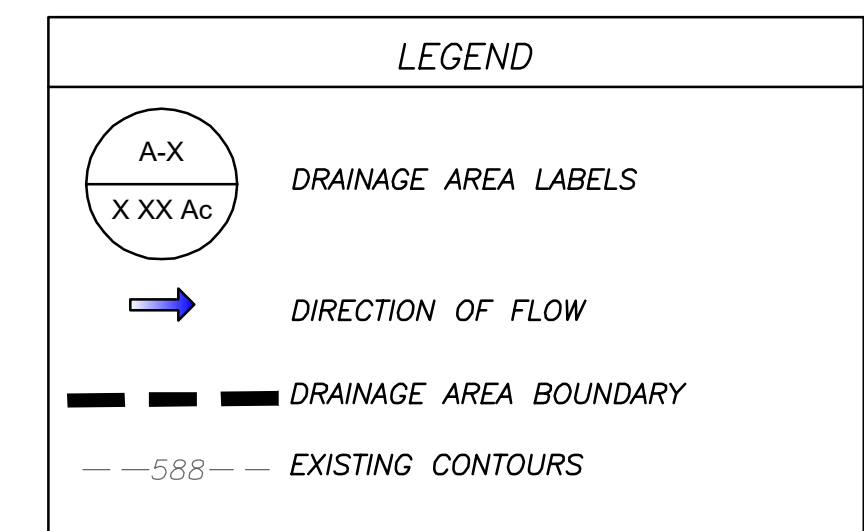
Existing Drainage Area Calculations - (in accordance with City of Rockwall Design Drainage Manual)

Drainage Area	Area (Ac)	Runoff Coefficient C	Minimum Inlet Time (min)	5-Year Intensity (in/hr)	5-Year Flow (cfs)	10-Year Intensity (in/hr)	10-Year Flow (cfs)	25-Year Intensity (in/hr)	25-Year Flow (cfs)	100-Year Intensity (in/hr)	100-Year Flow (cfs)	Description
A-1	0.53	0.90	10.00	6.10	2.91	7.10	3.39	8.30	3.96	9.80	4.67	Surface Drains to Existing Detention pond
A-2	0.44	0.90	10.00	6.10	2.42	7.10	2.81	8.30	3.29	9.80	3.88	Surface Drains to Existing Detention pond
B-1	0.11	0.35	10.00	6.10	0.23	7.10	0.27	8.30	0.32	9.80	0.38	Surface Drains to Sigma Court
C-1	0.83	0.35	10.00	6.10	1.77	7.10	2.06	8.30	2.41	9.80	2.85	Surface Drains to South
Subtotal (onsite)	1.91				7.33		8.53		9.98		11.78	
OS-1	0.05	0.90	10.00	6.10	0.27	7.10	0.32	8.30	0.37	9.80	0.44	Surface Drains to Site then to Existing Detention Pond
OS-2	0.10	0.90	10.00	6.10	0.55	7.10	0.64	8.30	0.75	9.80	0.88	Surface Drains to Site then to DA C-1
OS-3	0.01	0.90	10.00	6.10	0.05	7.10	0.06	8.30	0.07	9.80	0.09	Surface Drains to Site then to DA B-1
Total	2.06				8.16		9.49		11.10		13.10	

Note:
 * Runoff Coefficient of 0.90 is used for DA (OS-1&OS-2&OS-3) same as the Plans Provided for the Rockwall Urban + Industrial Center dated 3/25/2020
 * Runoff Coefficient= 0.90 (Developed)
 * Runoff Coefficient= 0.35 (Undeveloped - Open Areas)

FLOW COMPARISON CHART

Discharge Location	Existing Q (cfs)
1	0.47
2	3.73



BENCH MARK:
 All elevations shown hereon are based on the City of Rockwall Control Monumental System.
 COR-11 Brass Disk stamped "City of Rockwall Survey Monument" on the northeast side of Mims Road at the southerly end of a concrete headwall at the intersection of the northeast line of Mims Rd. with the southeast line of I-30. Elevation=565.98'
 TBM - "X" cut on the southeast corner of an electric transformer pad at the northeast corner of Lot 3A-R. Elevation = 557.37'

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ROCKWALL DFPS
 ELLIS CENTRE #2 ADDITION
 BOCK C, LOT 3A-R
 1203 SIGMA CT,
 ROCKWALL, TX 75087
 3/1/2021
 ISSUE DATE

EXISTING DRAINAGE AREA MAP

C4.00