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

N

0 15 30 60

(IN FEET)
1 INCH = 30 FT

OS-1 0.05 AC

OS-2 0.10 AC

A-1 0.53 AC

A-2 0.44 AC

C-1 0.21 AC

C-2 0.63 AC

B-1 0.06 AC

B-2 0.04 AC

1.905 Acres
82,985 SF
EXISTING OFFICE BUILDING
11,756 SF
FFE=556.44

LOT 6, BLOCK C
ELLIS CENTER PHASE TWO
CABINET C, SLIDE 227

PROP. BLDG. ADD. FFE= 556.44

PROP. BLDG. ADD. FFE= 556.44

REPLAT OF PART OF LOT 3, BLOCK C ELLIS CENTER PHASE TWO CABINET B, SLIDE 203

ALPHA DRIVE (60' RIGHT-OF-WAY)

SIGMA COURT (60' RIGHT-OF-WAY)

PROPOSED DETENTION POND

SWALE

GRADE SWALE @ 1% MIN TO PROPOSED POND

TOP OF BERM=555.45

INSTALL: SIDEWALK FLUME CROSSING PER DETAILS SHEET C8.01

EX. S.S.M.H.

EX. FENCE

EX. WALL

EX. SIDEWALK

EX. F.H.

STOP SIGN

EX. 8" SANITARY SEWER

EX. 15' CURB INLET FL 21"=548.17

EX. LIGHT POLE

EX. MAILBOX

EX. 25' BUILDING LINE

25' Building Line

EXISTING 24' FIRELANE CAB. G, SL. 227 P.R.R.C.T.

EXISTING DRAINAGE EASEMENT CAB. G, SL. 227 P.R.R.C.T.

EXISTING 15' UTILITY EASEMENT CAB. G, SL. 227 P.R.R.C.T.

15' Utility Easement

1/2" Iron Rod W/Cap Stamped Owens 5387

60d Nail Found

1

2

Proposed 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	0.06	0.90	10.00	6.10	0.33	7.10	0.38	8.30	0.45	9.80	0.47	Surface Drains to Sigma Court- By Pas Pond
B-2	0.04	0.90	10.00	6.10	0.22	7.10	0.26	8.30	0.30	9.80	0.35	By Pass Pond
C-1	0.21	0.90	10.00	6.10	1.15	7.10	1.34	8.30	1.57	9.80	1.85	Surface Drains to Proposed Detention Pond
C-2	0.63	0.90	10.00	6.10	3.46	7.10	4.03	8.30	4.71	9.80	5.56	Surface Drains to Proposed Detention Pond
Subtotal (onsite)	**1.91**				**10.49**		**12.20**		**14.27**		**16.79**	
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 Proposed Detention Pond
Total	**2.06**				**11.31**		**13.16**		**15.39**		**18.11**	

Note:

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

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.

FLOW COMPARISON CHART

Discharge Location	Existing Q (cfs)	Proposed Q (cfs)
1	0.47	0.47
2	3.73	1.82

LEGEND

- A-X / X XX Ac — *DRAINAGE AREA LABELS*
- *DIRECTION OF FLOW*
- *DRAINAGE AREA BOUNDARY*
- 554 — *EXISTING CONTOURS*
- 556 — *PROPOSED CONTOURS*
- *PROPOSED STORM DRAIN*

BENCH MARK:
All elevations shown hereon are based on the City of Rockwall Control Monumentaion 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'

NOT FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION

STATE OF TEXAS
ANNA C. BLACKWELL
97350
LICENSED
PROFESSIONAL ENGINEER

3-1-2021

Revision Schedule		
Rev. #	Revision Description	Revision Date

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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

PROPOSED DRAINAGE AREA MAP

C4.01