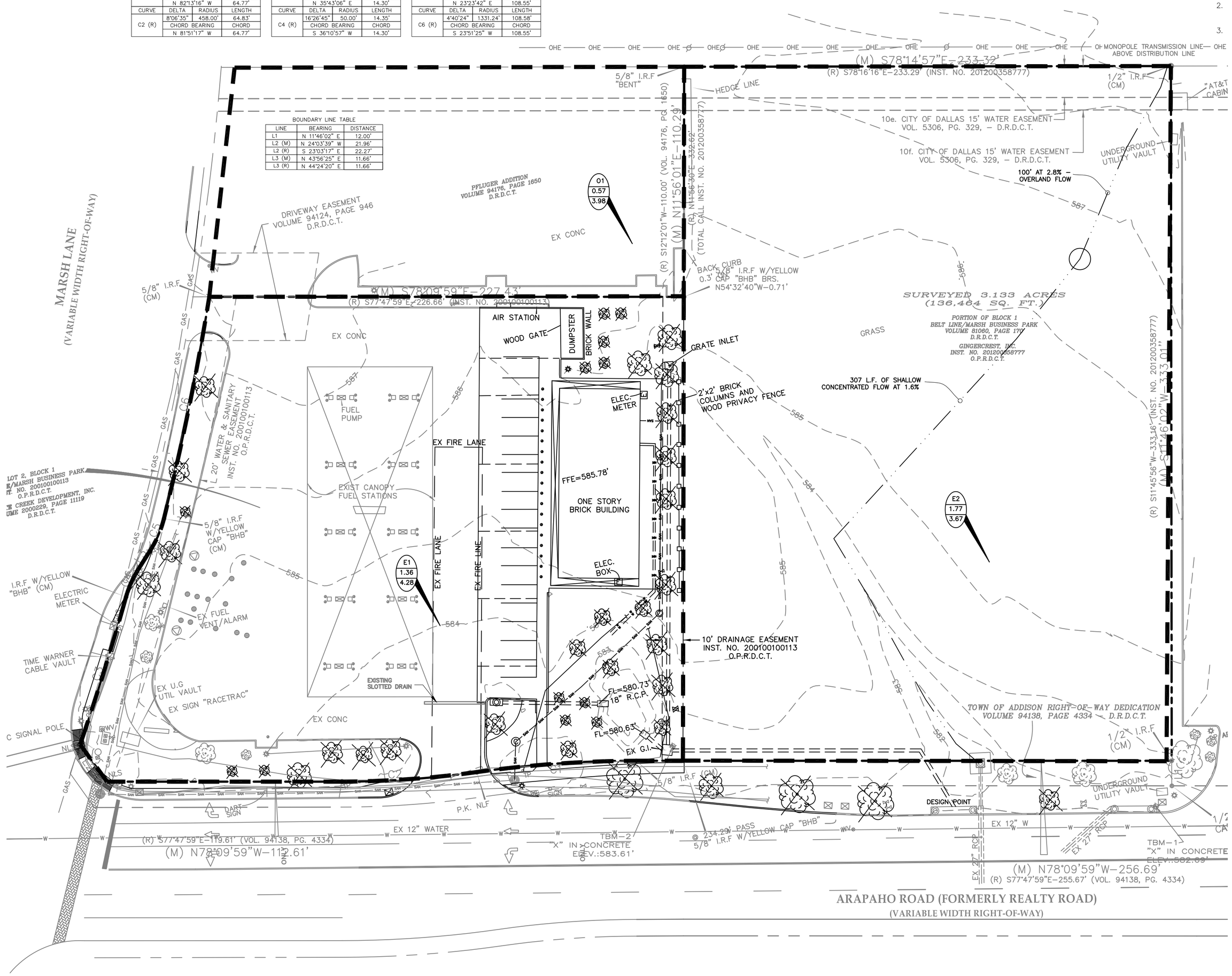
CURVE	DELTA	RADIUS	LENGTH
C1 (M)	8°06'35"	542.00'	76.72'
	CHORD BEARING		CHORD
	N 82°13'16" W		76.65'
CURVE	DELTA	RADIUS	LENGTH
C1 (R)	8°06'35"	542.00'	76.72'
	CHORD BEARING		CHORD
	N 81°51'17" W		76.65'
CURVE	DELTA	RADIUS	LENGTH
C2 (M)	8°06'35"	458.00'	64.83'
	CHORD BEARING		CHORD
	N 82°13'16" W		64.77'
CURVE	DELTA	RADIUS	LENGTH
C2 (R)	8°06'35"	458.00'	64.83'
	CHORD BEARING		CHORD
	N 81°51'17" W		64.77'

CURVE	DELTA	RADIUS	LENGTH
C3 (M)	3°12'27"	1323.24'	74.07'
	CHORD BEARING		CHORD
	N 29°06'06" E		74.06'
CURVE	DELTA	RADIUS	LENGTH
C3 (R) (TOTAL)	9°53'36"	1323.24'	228.48'
	CHORD BEARING		CHORD
	N 26°31'25" E		228.20'
CURVE	DELTA	RADIUS	LENGTH
C4 (M)	16°26'38"	50.00'	14.35'
	CHORD BEARING		CHORD
	N 35°43'06" E		14.30'
CURVE	DELTA	RADIUS	LENGTH
C4 (R)	16°26'45"	50.00'	14.35'
	CHORD BEARING		CHORD
	S 36°10'57" W		14.30'

CURVE	DELTA	RADIUS	LENGTH
C5 (M)	18°12'31"	50.00'	15.89'
	CHORD BEARING		CHORD
	N 34°50'09" E		15.82'
CURVE	DELTA	RADIUS	LENGTH
C5 (R)	18°12'43"	50.00'	15.89'
	CHORD BEARING		CHORD
	S 35°17'58" W		15.83'
CURVE	DELTA	RADIUS	LENGTH
C6 (M)	4°40'24"	1331.24'	108.58'
	CHORD BEARING		CHORD
	N 23°23'42" E		108.55'
CURVE	DELTA	RADIUS	LENGTH
C6 (R)	4°40'24"	1331.24'	108.58'
	CHORD BEARING		CHORD
	S 23°51'25" W		108.55'



DRAINAGE NOTES:

1. THE DEVELOPER, THROUGH HIS ENGINEER OR AUTHORIZED REPRESENTATIVE, SHALL ACQUIRE ALL REQUIRED NATIONWIDE PERMITS, SUCH AS CWA 401, 402 AND/OR 404 PERMITS, AS APPROPRIATE, FROM THE USEPA, TCEQ, AND/OR USACE.
2. TOPOGRAPHICAL INFORMATION IS PRESENTED FOR DRAINAGE ANALYSIS PURPOSES ONLY AND IS NOT TO BE USED FOR CONSTRUCTION.
3. TOPOGRAPHICAL INFORMATION PRESENTED HEREIN IS DERIVED FROM SURVEY AS PROVIDED BY ONEAL SURVEYING, INC.

DRAINAGE LEGEND:

H
0.79
6.22

SUBAREA
AREA – ACRES
FLOW – Q 100 (CFS)
DRAINAGE AREA LINE
TIME OF CONCENTRATION PATH

PRE - DEVELOPED DRAINAGE SUMMARY
100 YR STORM

DRAINAGE AREA	AREA (AC)	Tc (MIN)	C-VALUE	I (100 yr) (in/hr)	Q (100 yr) (cfs)	REMARKS
E1	1.36	10	0.81	8.74	4.28	THIS IS THE DETAINED TOTAL CFS FROM THE SITE AS IT EXISTS. SEE ATTACHED DRAINAGE ANALYSIS BY OTHERS
E2	1.77	13	0.25	8.30	3.67	GRASS AREA TO DESIGN POINT
O1	0.57	10	0.80	8.74	4.02	OFF-SITE AREA THROUGH THE SITE (BYPASS)
TOTAL	3.70				11.97	TOTAL FLOWS TO DESIGN POINT

TOTAL (NOT INCLUDING BYPASS) = 7.95

PRE-DEVELOPED DRAINAGE MAP NOTE:

THE EXISTING STORE AND OFF-SITE AREA WERE DESIGNED WITH A DIFFERENT DRAINAGE CRITERIA MANUAL. IT HAS BEEN UPDATED SINCE THE TIME OF THE COMPLETION OF THESE PROJECTS. SO, THE OLD INFORMATION IS USED FOR THOSE AREAS AND THE NEW GRASS AREA IS DESIGNED FOR PER THE NEW CRITERIA MANUAL ADOPTED IN JULY OF 2011. SEE ATTACHED POST DEVELOPED FLOWS BY BAIRD HAMPTON BROWN FOR ADDITIONAL INFORMATION TO SUPPORT THE PRE-DEVELOPED FLOWS SHOWN FOR E1 AND O1.

FROM FIGURE 3 IN THE DRAINAGE CRITERIA MANUAL, THE TIME OF OVERLAND FLOW IS 11 MINUTES (100 FT AT 2.8%)

FROM FIGURE 4 IN THE DRAINAGE CRITERIA MANUAL, AVG VELOCITY IS 2.2 FT/SEC, WHICH EQUALS 2.3 MINUTES (307 FT AT 1.6%)

TOTAL PRE-DEVELOPED TIME OF CONCENTRATION IS 13 MINUTES

AS-BUILTS

Travis J. Bousquet, PE — May 22, '20 Date

NO.		DATE
8	As-Builts to City	05/22/20
7	Modification to sidewalk along Arapaho	04/16/20
6	Additional Spot elevations to GC	11/07/19
5	REVISED PLANS TO TOWN	08/23/2019
4	TOWN SUBMITTAL	04/05/2019
3	TOWN SUBMITTAL	08/30/2018
2	TOWN SUBMITTAL	08/28/2018
1	TOWN SUBMITTAL	02/12/2018

JONES|CARTER
Texas Board of Professional Engineers Registration No. F-439
4400 Mercantile Plaza Drive, Suite 230 • Fort Worth, TX 76137 • 682.268.2200

STATE OF TEXAS — TRAVIS J. BOUSQUET — 86084 — LICENSED — PROFESSIONAL ENGINEER — 05/22/20

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RaceTrac
RACETRAC PETROLEUM, INC.
3225 CUMBERLAND BOULEVARD
SUITE 100 ATLANTA, GA 30339
(770) 431-7600

PRE-DEVELOPED D.A.M.

RACETRAC

Beltline/Marsh Business Park
Lot 2, Block 1
3.133 Ac. - Zoned: Light Retail
Addison, Texas

DATE	May 22, '20
SCALE	1"=30'
DRAWN-BY	TJB
DRAWING NAME:	
SHEET NO. C-2.2	VERSION -