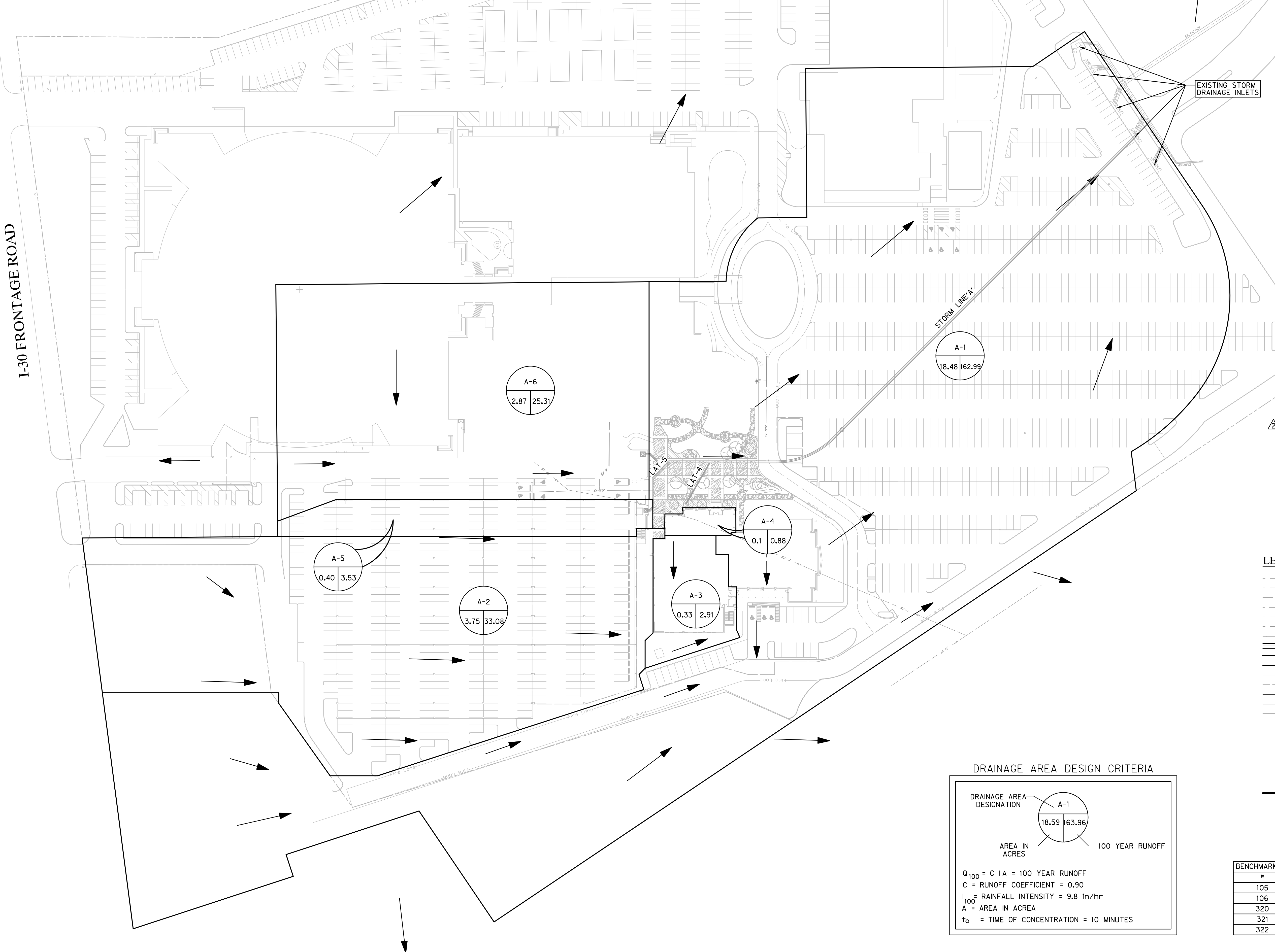
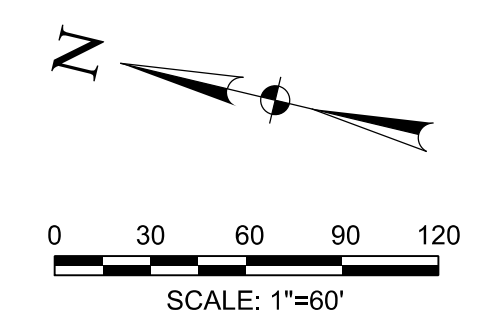


PROPOSED DRAINAGE AREAS						COMMENTS
AREA (acres)	C	Tc (min)	I100 (In/hr)	Q100 (cfs)		
A-1	18.48	0.90	10.0	9.80	163.0	TO EXISTING STORM DRAIN INLETS
A-2	3.75	0.90	10.0	9.80	33.1	TO PROPOSED FLUMES
A-3	0.33	0.90	10.0	9.80	2.9	TO PROPOSED FLUMES
A-4	0.10	0.90	10.0	9.80	0.9	TO PROPOSED LAT A-4
A-5	0.40	0.90	10.0	9.80	3.5	TO PROPOSED INLET A-5
A-6	2.87	0.90	10.0	9.80	25.3	TO PROPOSED INLETS A-6



CAUTION!!!
EXISTING UTILITIES IN THE AREA. UTILITIES LOCATION SHOWN ARE SCHEMATIC IN NATURE AND MAY NOT ACCURATELY REFLECT SIZE, HORIZONTAL, AND/OR VERTICAL LOCATION. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION PRIOR TO BEGINNING CONSTRUCTION. CONTACT AFFECTED UTILITIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION IN THIS AREA. (1-800-DIG-TESS)



RECORD DRAWING
TO THE BEST OF OUR KNOWLEDGE HALFF ASSOCIATES, INC. HEREBY STATES THAT THIS PLAN IS A RECORD DRAWING. THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY THE GENERAL CONTRACTOR, MEDCO CONSTRUCTION L.L.C. DURING MAY 2018, FIELD OBSERVATIONS, ON 05/09/2018, AND FIELD SURVEY WORK CONDUCTED AT THE SITE. THIS INFORMATION INCLUDES MODIFICATIONS BY ADDENDA AND CHANGE ORDERS. THE ORIGINAL SEALED CONSTRUCTION DRAWINGS ARE ON FILE AT THE OFFICES OF HALFF ASSOCIATES, INC., TBPE FIRM #312
ENGINEER OF RECORD:
Daniel W. Warfield
DANIEL W. WARFIELD, P.E. 95947
HALFF ASSOC. TBPE FIRM #312
DATE 06/11/2018

- NOTES:**
1. THE PROPOSED IMPROVEMENTS WITH THIS PROJECT ARE WITHIN AN EXISTING PAVED PARKING LOT. THESE IMPROVEMENTS DO NOT CHANGE OVERALL STORM DRAINAGE DIVIDES. ALL STORM WATER RUNOFF IS OVERLAND SHEET FLOW TO EXISTING CURB INLETS LOCATED AT THE SOUTH END OF THE SITE. (A PORTION OF THE SITE STORMWATER RUNOFF WITH THE ADDITION OF A RAISED FIRELANE.)
 2. REFER TO LAKE POINTE CHURCH SOUTHEAST PARKING IMPROVEMENTS DRAINAGE AREA MAP PREPARED BY HALFF ASSOCIATES DATED NOV. 2005 FOR ADDITIONAL DRAINAGE AREA DELINEATIONS.
 3. REFER TO LAKE POINTE BAPTIST CHURCH DRAINAGE AREA MAP & DATA PREPARED BY GRAHAM ASSOCIATES, INC. DATED APRIL 2000 FOR ADDITIONAL DRAINAGE AREA DELINEATIONS.

LEGEND:

---	Ex F/O	EXISTING FIBER OPTIC
---	Ex TEL	EXISTING TELEPHONE LINE
---	Ex GAS	EXISTING GAS LINE
---	Ex SS	EXISTING SANITARY SEWER
---	Ex OHE	EXISTING OVERHEAD ELECTRIC
---	Ex UGE	EXISTING UNDERGROUND ELECTRIC
---	Ex W	EXISTING WATER LINE
---	---	STORM SEWER
---	455	MAJOR CONTOUR LINE
---	454	MINOR CONTOUR LINE
---	460	EXISTING MAJOR CONTOUR LINE
---	461	EXISTING MINOR CONTOUR LINE
---	---	PROPERTY LINE
---	---	EASEMENT LINE
---	---	ASPHALT
⊙	PP	POWER POLE
⊙	---	SANITARY SEWER MANHOLE
⊙	WV	WATER VALVE
⊙	FH	FIRE HYDRANT
⊙	WM	WATER METER
---	---	PROPOSED DRAINAGE DIVIDE
---	---	DIRECTION OF FLOW

DRAINAGE AREA DESIGN CRITERIA

DRAINAGE AREA DESIGNATION

A-1
18.59 163.96

AREA IN ACRES 100 YEAR RUNOFF

$Q_{100} = C IA = 100 \text{ YEAR RUNOFF}$
 $C = \text{RUNOFF COEFFICIENT} = 0.90$
 $I_{100} = \text{RAINFALL INTENSITY} = 9.8 \text{ In/hr}$
 $A = \text{AREA IN ACRES}$
 $T_c = \text{TIME OF CONCENTRATION} = 10 \text{ MINUTES}$

BENCHMARKS

#	NORTHING	EASTING	ELEVATION	DESCRIPTION
105	7015991.2980	2592962.1928	550.06	SXTP
106	7015431.9569	2593196.4381	543.24	SXTP
320	7015521.4980	2592947.0430	546.21	SXTP
321	7015870.0270	2593095.7245	548.29	SXTP
322	7015977.2058	2593078.3578	549.54	SXTP

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TBPE FIRM #F-312

Revision No.	Date	Description
1	10/03/2017	DRAINAGE AREA MAP AND STORM DRAINAGE
2	06/11/2018	RECORD DRAWINGS



The seal appearing on this document was authorized by Daniel W. Warfield, P.E. 95947 on 10-03-2017. Alteration of a sealed document without proper notification to the responsible engineer is an offense under the Texas Engineering Practice Act. The record copy of this drawing is on file at the offices of Halff Associates, Inc., 3803 Parkwood Blvd., Frisco, Texas 75034. TBPE FIRM #F-312.

Project No.: 31697
Issued: 08/01/2017
Drawn By: TRS
Checked By: DWW
Scale: AS NOTED
Sheet Title
DRAINAGE AREA MAP
C6.01
Sheet Number