



ADDISON RD BUILDING
 906 S.F.
 G HEIGHT: 25'
 WING: 1-3
 FICE/WAREHOUSE

PROPOSED BUILDING
 BUILDING AREA: 17,483 S.F.
 BUILDING HEIGHT: 45'9"
 ZONING: I-3
 USAGE: OFFICE/HANGAR

LEGEND:

- X** DRAINAGE AREA IDENTIFIER
- DRAINAGE AREA DIRECTION OF FLOW
- 0.19 Ac** DRAINAGE AREA SIZE (Acres)
- 1.33 cfs** Q100 (cfs)
- DRAINAGE AREA BOUNDARY
- DRAINAGE AREA FLOW ARROW

4641 - 4661 WESTGROVE DR
 16501 - 16541 ADDISON RD
 BUILDING HEIGHT: 14'
 ZONING: C-1 688
 USAGE: RETAIL/OFFICE

AS-BUILT
 10/25/2018

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY VICTOR LISSIAK, JR., P.E. 30565 ON 10/25/2018



DRAINAGE AREA CALCULATIONS

Drainage Area	Area (ac)	Runoff Coefficient (C)	Time of Concentration (min)	Rainfall Intensity	Rainfall Intensity	Peak Discharge	Peak Discharge	Outfall Structure
				I10 (in/hr)	I100 (in/hr)	Q10 (cfs)	Q100 (cfs)	
Existing Condition								
A-1	1.022	0.25	10.0	6.54	9.27	1.7	2.4	Addison Road
A-2	0.322	0.25	10.0	6.54	9.27	0.5	0.7	Area Inlet No. 1
A-3	0.118	0.25	10.0	6.54	9.27	0.2	0.3	Westgrove Road
Overall Sub-Basin	6.540	0.75	10.0	6.54	9.27	32.1	45.5	(see notes below)
Post-Development Condition								
A-1	1.022	0.9	10.0	6.54	9.27	6.0	8.5	Addison Road
A-2	0.322	0.9	10.0	6.54	9.27	1.9	2.7	Area Inlet No. 1
A-3	0.118	0.9	10.0	6.54	9.27	0.7	1.0	Westgrove Road
Overall Sub-Basin	6.218	0.9	10.0	5.59	7.96	31.3	44.7	(see notes below)
Comparison of Existing vs. Post-Development								
A-1						4.3	6.2	Addison Road
A-2						1.4	1.9	Area Inlet No. 1
A-3						0.5	0.7	Westgrove Road
Overall Sub-Basin						-0.6	-0.8	(see notes below)

NOTES:
 1) Overall Sub-Basin originally drained to the 42" storm pipe located within the R.O.W. of Addison Road
 2) Proposed grading splits A-2 from Overall Sub-Basin
 3) Curb inlet at 4+75 Westgrove intercepts a negligible amount of runoff. Remainder drains to Addison Road.

Analysis of Existing Storm Lines

Station	Slope Pipe (%)	Diameter Pipe (in)	Capacity Pipe (cfs)	Existing Flow (cfs)	Proposed Flow (cfs)	Notes
Westgrove 4+75	0.5	27	21.9	Negligible	Negligible	10" Curb Inlet Intersection with Addison Road at 0+00
Addison Road 72+80	0.5	48	101.6			8" Curb Inlet, 24" RCP Lateral and 42" RCP Storm Pipe

4820 WESTGROVE DR
 ZONING: A-318
 USAGE: MULTI-FAMILY

BENCHMARK:
 1. SQUARE CUT ON THE CURB INLET AT THE NORTHEAST CORNER OF THE INTERSECTION OF SUNBELT DRIVE AND WESTGROVE DRIVE. ELEVATION=628.54
 2. LIGHT POLE CONCRETE BASE IN THE EXCEL PARKWAY MEDIAN WEST OF ADDISON ROAD. ELEVATION=644.41

DRAINAGE AREA MAP
MEHRDAD HANGAR
ADDISON AIRPORT
 LEASEHOLD ESTATES TRACT II
 1458 ACRES GROUND LEASE #080A-29 ALP#U23
 4700 WESTGROVE DRIVE
ADDISON, TEXAS

VIEWTECH INC. TEXAS FIRM REGISTRATION NO. F2658
 4205 BELTWAY DR. ADDISON, TX. 75001 (972) 661-8187 FAX (972) 661-8172

DESIGN	DRAWN	DATE	SCALE	JOB #	SHEET
AW	AW	10/24/16	1"=20'	2015-224	C4