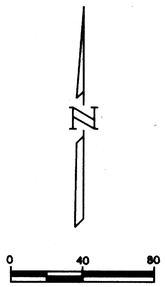
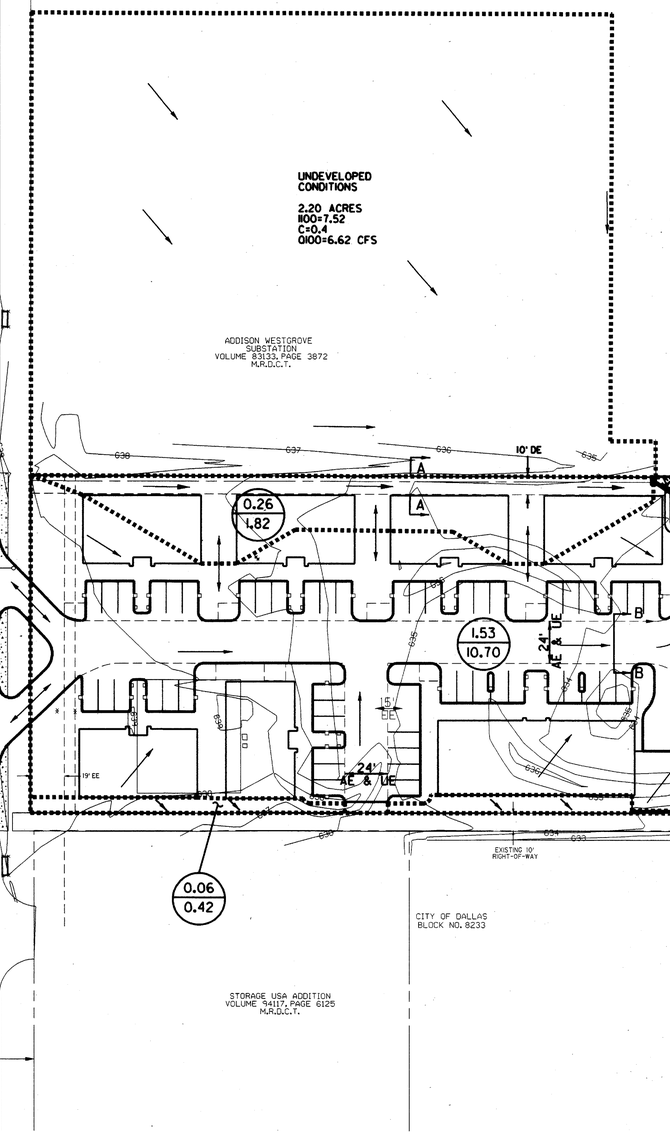
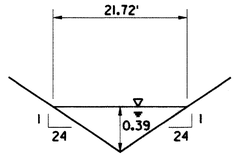
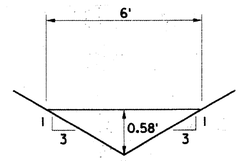






INVERT SECTION B-B



SECTION A-A

Q100 = 1.83 CFS
S = 0.77%
V = 1.83 FPS
d = 0.58 FT

DRAINAGE DESIGN CRITERIA
RATIONAL METHOD
100 YEAR DESIGN

Q = C I A
Q = FLOW IN CUBIC FEET PER SECOND = CFS
C = RUNOFF COEFFICIENT = 0.80
I = INTENSITY WITH TIME OF CONCENTRATION OF 15 MINUTES = 7.52
I = INTENSITY WITH TIME OF CONCENTRATION OF 10 MINUTES = 8.74
A = DRAINAGE AREA = AREA IN ACRES

LEGEND

- PROPOSED STORM DRAIN LINE W/INLET
- DRAINAGE DIVIDE
- 9W — INLET NUMBER
- FLOW DIRECTION
- AREA IN ACRES / Q100 IN CFS — 8.88 / 55.5 — DRAINAGE AREA
- DRAINAGE SWALE

RECORD DRAWING

THIS DRAWING HAS BEEN MODIFIED TO REFLECT CONSTRUCTION RECORDS PROVIDED TO THE ENGINEER

DATE	REVISION	MADE	CKD	APPD

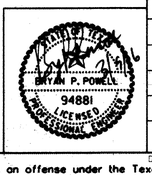
Carter Burgess

Carter & Burgess, Inc. 7950 Elmbrook Drive Dallas, Texas 75247-4961
(214) 638-0145 Metro (214) 263-2019 Fax (214) 638-0447

DRAINAGE AREA MAP
ADDISON OFFICE CONDOS

TOWN OF ADDISON, DALLAS COUNTY, TEXAS

DESIGN	DRAWN	CHECKED	SCALE	DATE	FILE	NO.
TIPTON		POWELL	1" = 40'	MARCH'06	01-6628	8 OF 17



The seal appearing on this document was authorized by Bryan P. Powell, P.E. 94881, on March 07, 2006. Alteration of a sealed document without proper notification to the responsible engineer is an offense under the Texas Engineering Practice Act.

DGN=N:\SLD\0233130\MSGRA\313ida01.dgn - ON=1-56

C&B JOB No. 023313010

(SRF=N:\SLD\0233130\MSGRA\313grfa.dgn - LOG=(SRF1) - ON=3-6&8,20-56
(SRF=N:\SLD\0233130\MSGRA\313ida06.dgn - LOG=(ALL) - ON=(0,3,6-17,27,30,31
(SRF=N:\SLD\0233130\MSGRA\313ida02.dgn - LOG=(ALL) - ON=(0,3,6-17,27,30,31
(SRF=N:\SLD\0233130\MSGRA\313ida03.dgn - LOG=(ALL) - ON=(0,3,6-17,27,30,31
(SRF=N:\SLD\0233130\MSGRA\313ida04.dgn - LOG=(ALL) - ON=(0,3,6-17,27,30,31
(SRF=N:\SLD\0233130\MSGRA\313ida05.dgn - LOG=(ALL) - ON=(0,3,6-17,27,30,31
(SRF=N:\SLD\0233130\MSGRA\313ida06.dgn - LOG=(ALL) - ON=(0,3,6-17,27,30,31
(SRF=N:\SLD\0233130\MSGRA\313ida07.dgn - LOG=(ALL) - ON=(0,3,6-17,27,30,31
(SRF=N:\SLD\0233130\MSGRA\313ida08.dgn - LOG=(ALL) - ON=(0,3,6-17,27,30,31
(SRF=N:\SLD\0233130\MSGRA\313ida09.dgn - LOG=(ALL) - ON=(0,3,6-17,27,30,31