

DETENTION STORAGE DATA

(Difference to be Stored within Parking Lot)

PREDEVELOPED RUNOFF DATA

C = 0.35
Tc = 20 mins.
I100 = 8.3 in./hr.

DEVELOPED RUNOFF DATA

C = 0.80
Tc = 10 mins.
I100 = 9.8 in./hr.

AREA NO. 1

0.33 ACRES
C = 0.35
I100 = 8.3
Q100 = 0.96 c.f.s.

AREA NO. 1

0.33 ACRES
C = 0.80
I100 = 9.8
Q100 = 2.59 c.f.s.

AREA NO. 2

0.31 ACRES
C = 0.35
I100 = 8.3
Q100 = 0.90 c.f.s.

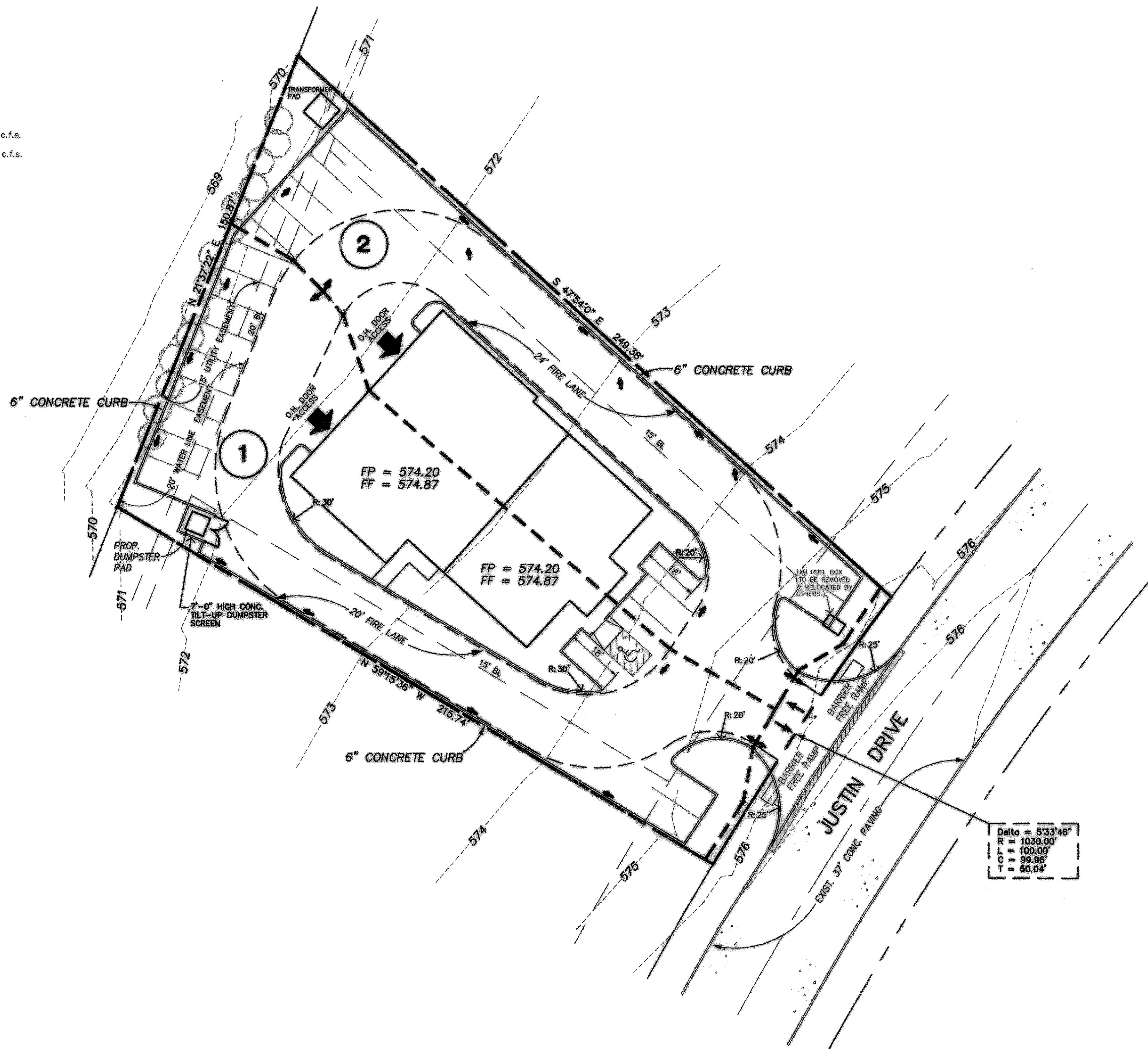
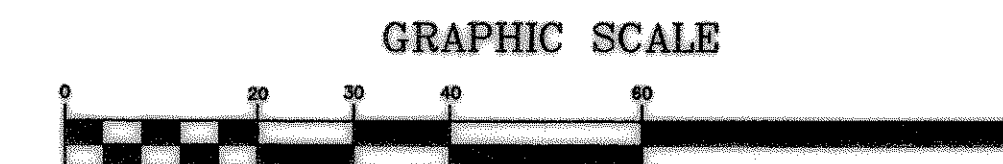
AREA NO. 2

0.31 ACRES
C = 0.80
I100 = 9.8
Q100 = 2.43 c.f.s.

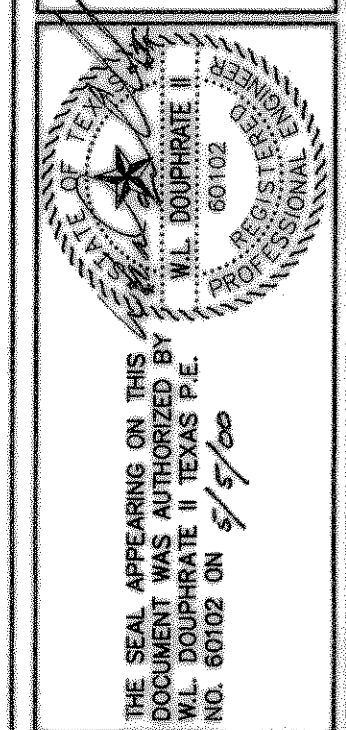
AREA NO. 1 ~ PROP. Q100 = 2.59 c.f.s. - EXIST. Q100 = 0.96 c.f.s. = 1.63 c.f.s.

AREA NO. 2 ~ PROP. Q100 = 2.43 c.f.s. - EXIST. Q100 = 0.90 c.f.s. = 1.53 c.f.s.

AREA'S 1 AND 2 TO BE DETAINED IN PARKING LOT AND RELEASED THROUGH 4 - 6" P.V.C. PIPES ON EACH SIDE OF PAVING LOT.
(SEE GRADING PLAN SHT. 3 FOR DETAIL OF PIPES.)



DRAINAGE DATA				
AREA NO.	ACRES	C	I100	Q100
1	0.33	0.80	9.80	2.59 c.f.s.
2	0.31	0.80	9.80	2.43 c.f.s.



DOUPHRAATE & ASSOCIATES, INC.
ENGINEERING - PROJECT MANAGEMENT - SURVEYING
2235 RIDGE RD., # 200 ROCKWALL, TEXAS 75087
PHONE: (972)771-9004 FAX: (972)771-9005

DRAINAGE AREA MAP
J.T. TURNER ADDITION
PART OF LOT 1, BLOCK B, LOFLAND INDUS. PARK
CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

Added Fire Lane and changed layout of parking. 03/23/00
Changed bldg. size and parking layout. 04/01/00

REVISION
W.L.D.
CHECKED
KEB.
DRAWN
02/08/2000
DATE
9936DM
PROJECT

2
OF
5

BENCH MARK:
CITY OF ROCKWALL BRASS CAP MONUMENT NO. 5, AT THE INTERSECTION OF SUMMIT RIDGE DRIVE & F.M. 740. ELEV. = 578.74