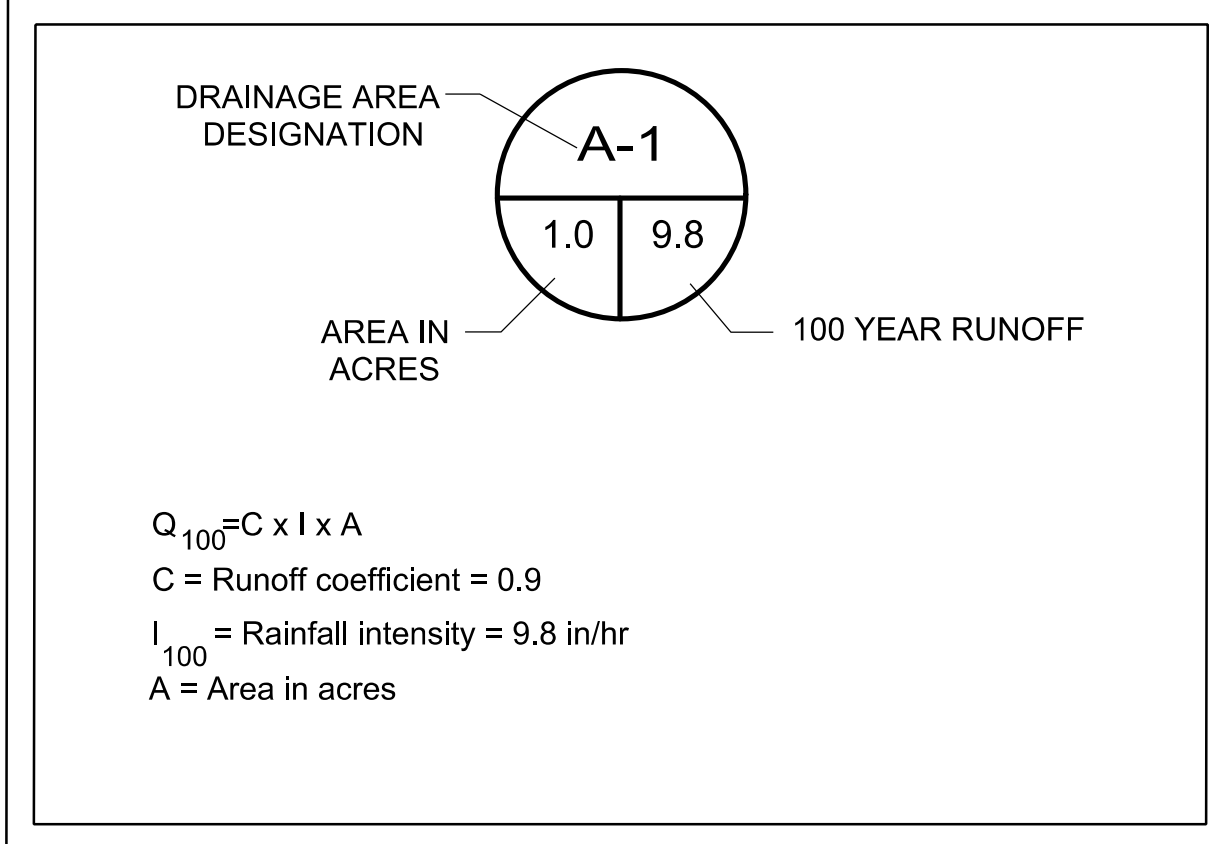
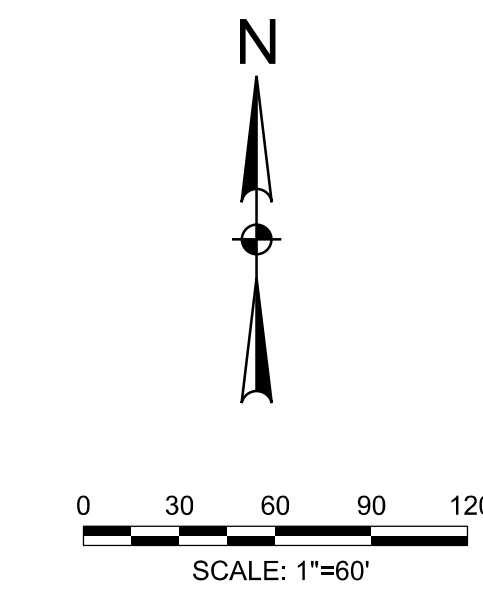


**DRAINAGE AREA DESIGN CRITERIA**



DRAINAGE AREAS AND DRAINAGE DESTINATIONS (FULLY DEVELOPED FLOWS)											
	AREA	C	TC	I	Q		AREA	C	TC	I	Q
	(acres)		(min)	(in/hr)	(cfs)		(acres)		(min)	(in/hr)	(cfs)
<b>EXISTING CONTAINMENT POND</b>						<b>EXISTING DETENTION POND</b>					
EP-1	0.83	0.90	10.0	9.80	7.32	D-1	0.90	0.90	10.0	9.80	7.94
EPS-2	0.62	0.90	10.0	9.80	5.47	D-2	1.35	0.90	10.0	9.80	11.91
EPS-1	0.07	0.90	10.0	9.80	0.62	D-3	1.58	0.90	10.0	9.80	13.94
EPS-3	0.05	0.90	10.0	9.80	0.44	D-4	0.61	0.90	10.0	9.80	5.38
<b>PROPOSED DETENTION POND</b>						<b>OFF SITE DRAINAGE</b>					
EP-2	0.64	0.90	10.0	9.80	5.64	D-5	0.56	0.90	10.0	9.80	4.94
EPS-2A	0.28	0.90	10.0	9.80	2.47	D-6	0.59	0.90	10.0	9.80	5.20
EPS-4	1.06	0.90	10.0	9.80	9.35	D-7	0.12	0.90	10.0	9.80	1.06
EPS-5	0.08	0.90	10.0	9.80	0.71	OS-1	1.16	0.90	10.0	9.80	10.23
EPS-6	0.94	0.90	10.0	9.80	8.29	OS-2	1.16	0.90	10.0	9.80	10.23
EPS-7	0.35	0.90	10.0	9.80	3.09	OS-3	0.54	0.90	10.0	9.80	4.76
EPS-8	2.58	0.90	10.0	9.80	22.76	OS-4	0.76	0.90	10.0	9.80	6.70



**WHITMORE MANUFACTURING**  
**STORM WATER COLLECTION**  
**AND TREATMENT EVALUATION**  
 CITY OF ROCKWALL, TEXAS

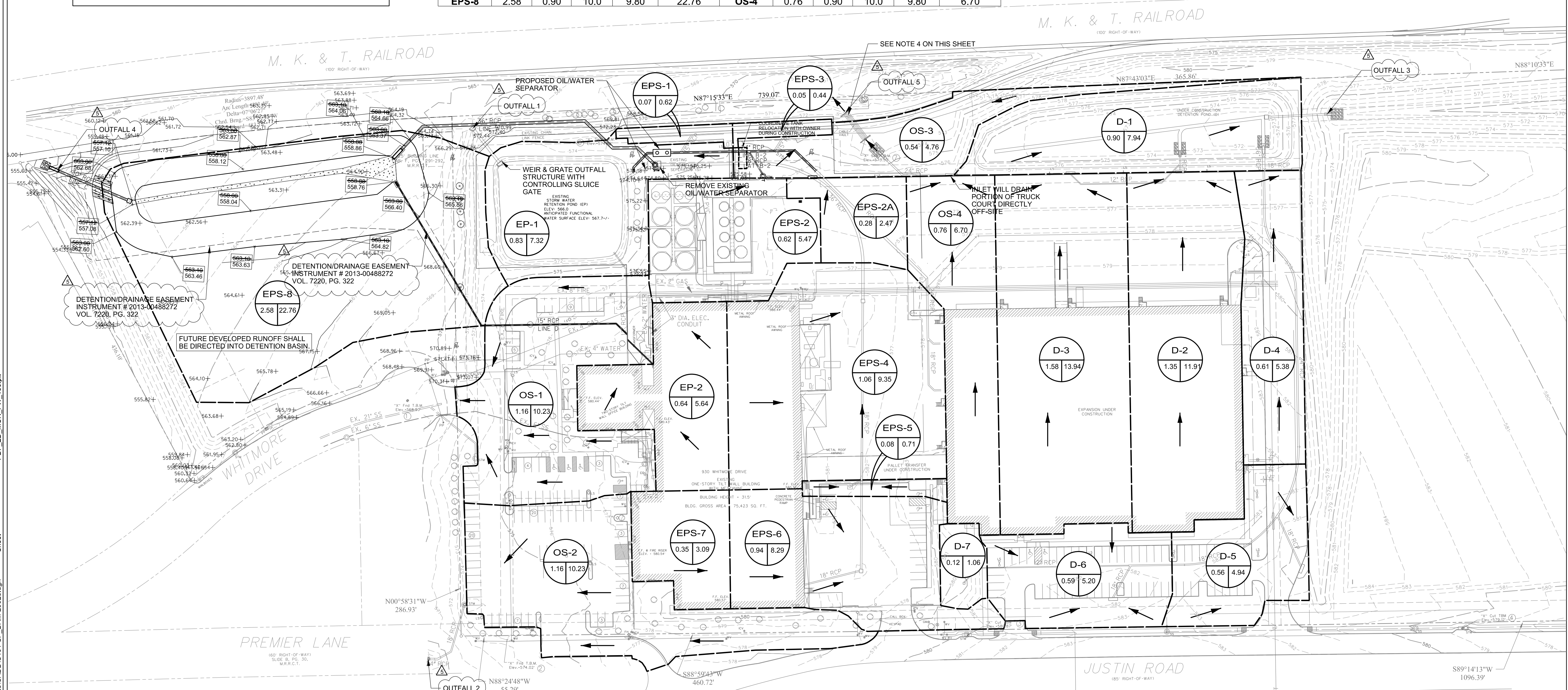
1301 NORTH BOWSER ROAD  
 RICHARDSON, TEXAS 75081-2275  
 FAX: (214) 796-0906

Revision No.	Date	Description
3-6-2013		Revised as shown
11-4-2013		As Built Revision

Revision No.	Date	Description
1	NOV 04 2013	RECORD DRAWING SUBMITTAL

Project No.: 29023  
 Issued: JUNE, 2013  
 Drawn By: CAD  
 Checked By: DL  
 Scale: AS NOTED  
 Sheet Title  
**OVERALL SITE PLAN AND DRAINAGE AREA MAP**

**C1.01**  
 Sheet Number



**NOTE:**

- EXISTING FEATURES, TOPO CONTOURS, TAKEN FROM NORTH TEXAS SURVEYING & PLANS PREPARED BY PACHECO KOCH.
- PLANS OF THE FACILITY PROVIDED BY OWNER.
- UTILITIES SHOWN ARE TAKEN FROM AS-BUILT OR DESIGN PLANS AND ARE APPROXIMATELY LOCATED.
- ORIGINAL UNDEVELOPED FLOW 11.3 cfs. FROM PLAN PREPARED BY PACHECO KOCH DATED MAY 2012 (DRAINAGE AREA - DA 1). DEVELOPED FLOW FROM OS-3 AND OS-4 OF 11.4 cfs. 0.1 cfs MORE THAN THE ORIGINAL UNDEVELOPED FLOW IS NEGLIGIBLE. THEREFORE NO DETENTION IS NEEDED.

ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN.

Outfall #	State Plane Coordinates		
	X	Y	Z
1	2597835.51	7025027.80	565.49
2	2597781.57	7024386.13	564.63
3	2598869.13	7025045.94	571.15
4	2597331.30	7024977.56	556.35
5	2598286.73	7025048.06	570.80

per plan

11/19/2013 2:38:49 PM ah2401 HALFF I:\290008\29023\CADD\C101-SP\_DAM-29023.dgn Sheet PDF\_ZD\_MON\_FW\_150.plt

Benchmark No.	Description
1	"X" Cut found, center radius point, east end of Whitmore Drive west of Lot 2, Block A - WHITMORE INDUSTRIAL PARK, south of Lot 4, Block A - WHITMORE INDUSTRIAL PARK (89.30)
2	"X" Cut found, 55.29' east of the southeasterly corner of Lot 2, Block A - WHITMORE INDUSTRIAL PARK, north side of Whitmore Drive
3	"X" Cut set on conc. storm inlet, north side of Justin Road 8' east of the southeasterly corner of Lot 2, Block A and the southeasterly corner of Lot 3, Block A - WHITMORE INDUSTRIAL PARK
4	"X" Cut set on conc. storm inlet, north side of Justin Road 85' east of the southeasterly corner of Lot 3, Block A and the southeasterly corner of Lot 4, Block A - WHITMORE INDUSTRIAL PARK
7	"X" Cut set on the southerly conc. headwall, 120' SW of the north northeasterly corner of Lot 2, Block A and the northeasterly corner Lot 3, Block A - WHITMORE INDUSTRIAL PARK, also being 99.0' south of the south track of the main railroad track for M. K. & T. Railroad
8	"X" Cut set on a back of curb in the general northside of Lot 2, Block A of WHITMORE INDUSTRIAL PARK, 83.8' south of the south track of the main railroad track for M. K. & T. Railroad, 200.8' southeast of the northeasterly corner of east Lot 2, Block A