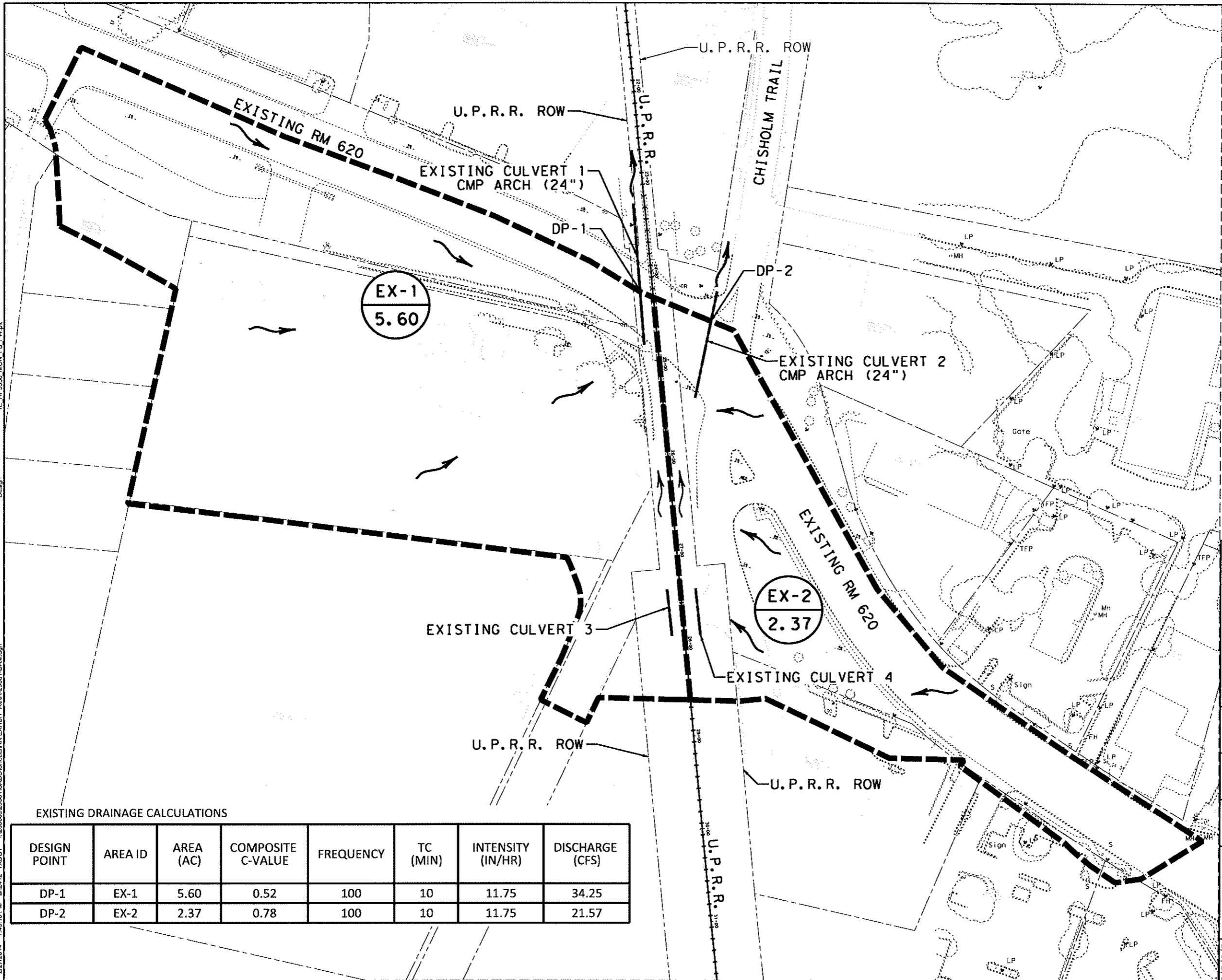


- LEGEND**
- DRAINAGE AREA BOUNDARY
  - EXISTING RIGHT-OF-WAY
  - PROPOSED RIGHT-OF-WAY
  - AREA ID
  - DRAINAGE AREA IN ACRES
  - FLOW DIRECTION



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 TYPE FIRM NO. F-312

2014 Texas Department of Transportation

CITY OF ROUND ROCK, TX  
 2008 ENTERPRISE DRIVE  
 ROUND ROCK, TX 78664

**RM 620 DRAINAGE REPORT**  
**EXISTING DRAINAGE AREA MAP**

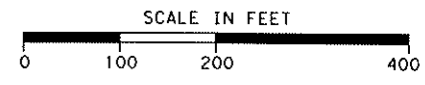
SCALE: 1" = 100' SHEET 2 OF 4

Designed: XX	DATE: 02/25/14	STATE: TEXAS	FEDERAL AID PROJECT NO.:	HIGHWAY NO.:
Checked: XX				RM 620
Drawn:	DIST.:	COUNTY:	CONTROL NO.:	SECTION NO.:
Checked: ER	AUS	WILLIAMSON	0683	01 056

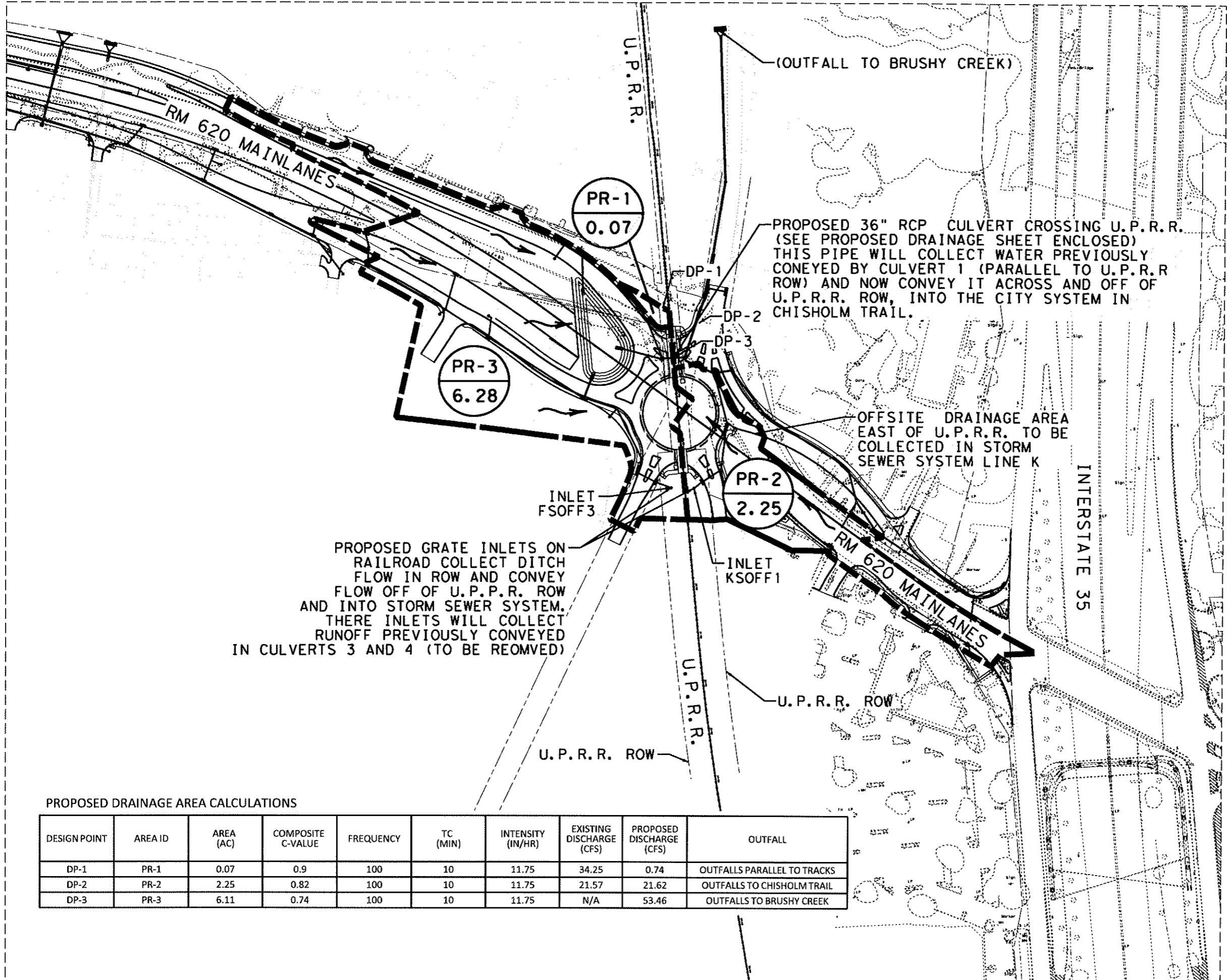
EXISTING DRAINAGE CALCULATIONS

DESIGN POINT	AREA ID	AREA (AC)	COMPOSITE C-VALUE	FREQUENCY	TC (MIN)	INTENSITY (IN/HR)	DISCHARGE (CFS)
DP-1	EX-1	5.60	0.52	100	10	11.75	34.25
DP-2	EX-2	2.37	0.78	100	10	11.75	21.57

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- LEGEND**
- DRAINAGE AREA BOUNDARY
  - EXISTING RIGHT-OF-WAY
  - PROPOSED RIGHT-OF-WAY
  - AREA ID
  - DRAINAGE AREA IN ACRES
  - FLOW DIRECTION



PROPOSED GRATE INLETS ON RAILROAD COLLECT DITCH FLOW IN ROW AND CONVEY FLOW OFF OF U.P.P.R. ROW AND INTO STORM SEWER SYSTEM. THERE INLETS WILL COLLECT RUNOFF PREVIOUSLY CONVEYED IN CULVERTS 3 AND 4 (TO BE REOMVED)

PROPOSED DRAINAGE AREA CALCULATIONS

DESIGN POINT	AREA ID	AREA (AC)	COMPOSITE C-VALUE	FREQUENCY	TC (MIN)	INTENSITY (IN/HR)	EXISTING DISCHARGE (CFS)	PROPOSED DISCHARGE (CFS)	OUTFALL
DP-1	PR-1	0.07	0.9	100	10	11.75	34.25	0.74	OUTFALLS PARALLEL TO TRACKS
DP-2	PR-2	2.25	0.82	100	10	11.75	21.57	21.62	OUTFALLS TO CHISHOLM TRAIL
DP-3	PR-3	6.11	0.74	100	10	11.75	N/A	53.46	OUTFALLS TO BRUSHY CREEK

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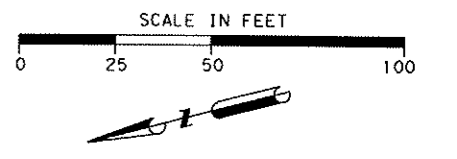
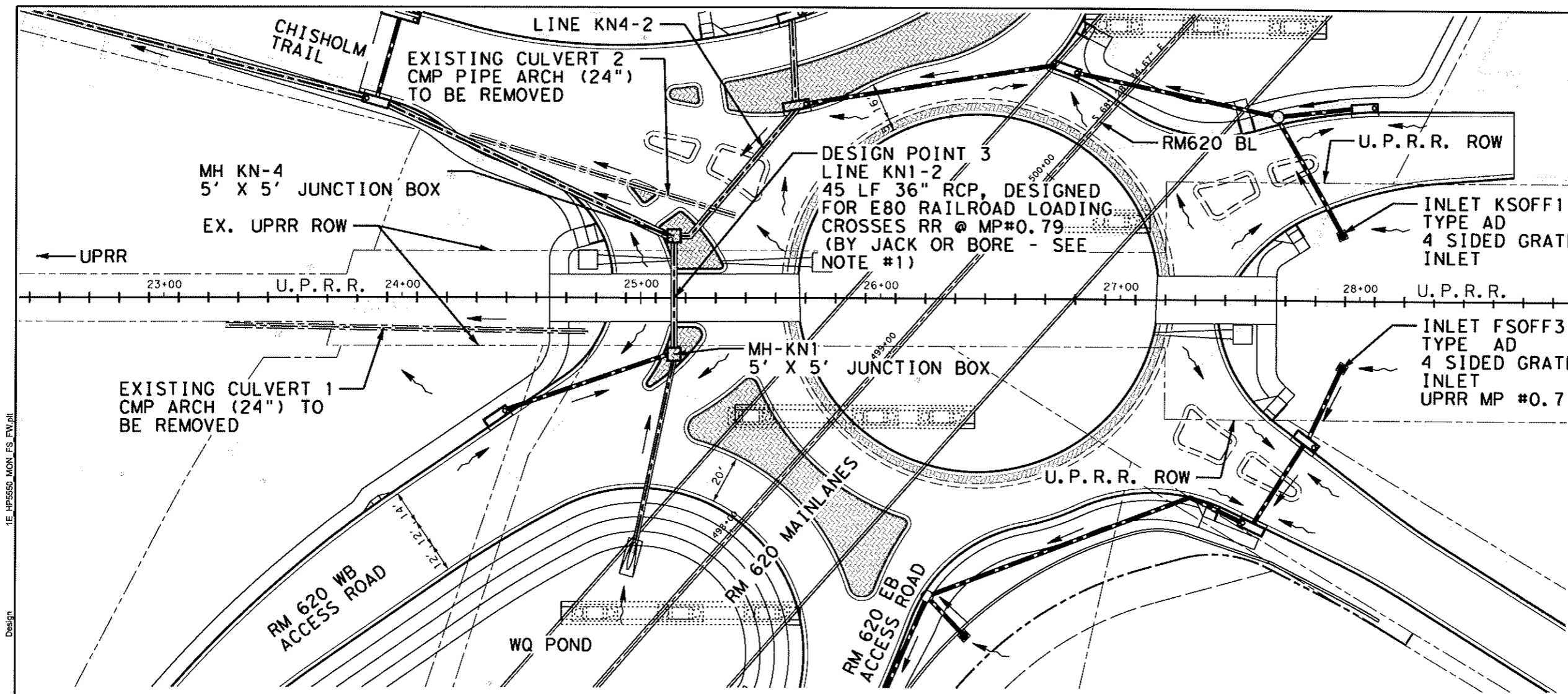
RM 620 DRAINAGE REPORT

PROPOSED DRAINAGE AREA MAP

SCALE: 1"=200' SHEET 3 OF 4

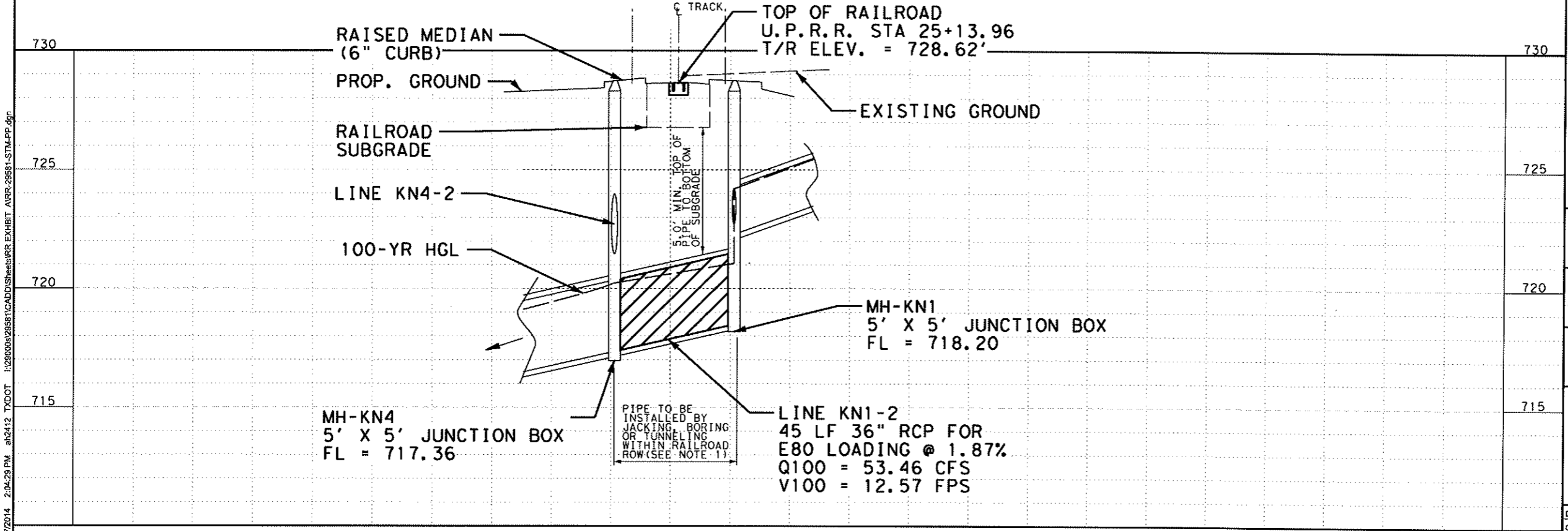
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Checked: XX	TEXAS			RM 620
Drawn:	DIST.	COUNTY	CONTROL SECTION NO.	JOB NO.
Checked: ER	AUS	WILLIAMSON	06B3	01 056

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- LEGEND**
- DROP INLET
  - CURB INLET
  - OVERLAND FLOW DIRECTION
  - PIPE FLOW DIRECTION
  - DITCH FLOWLINE
  - EXISTING ROW
  - PROPOSED ROW
  - PROPOSED STORM SEWER
  - PROPOSED CONC. RIPRAP

**NOTES:**  
 1. A PIPELINE INSTALLATION PERMIT APPLICATION WILL BE SUBMITTED ON-LINE TO UPRR FOR THIS PIPE CROSSING AND DRAINAGE INLETS IN UPRR ROW.



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**RM 620 DRAINAGE REPORT**  
**PROPOSED DRAINAGE PLAN**  
 UPRR MP #0.79  
 EXISTING DOT #439705H  
 GEORGETOWN INDUSTRIAL LEAD SUB  
 DOT #

SCALE: 1" = 50' SHEET 4 OF 4

Designed: XX	STATE	FEDERAL AID PROJECT NO.	HIGHWAY NO.
Checked: XX	TEXAS		RM 620
Drawn:	DIST.	COUNTY	CONTROL SECTION JOB
Checked: ER	AUS	WILLIAMSON	0683 01 056

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