

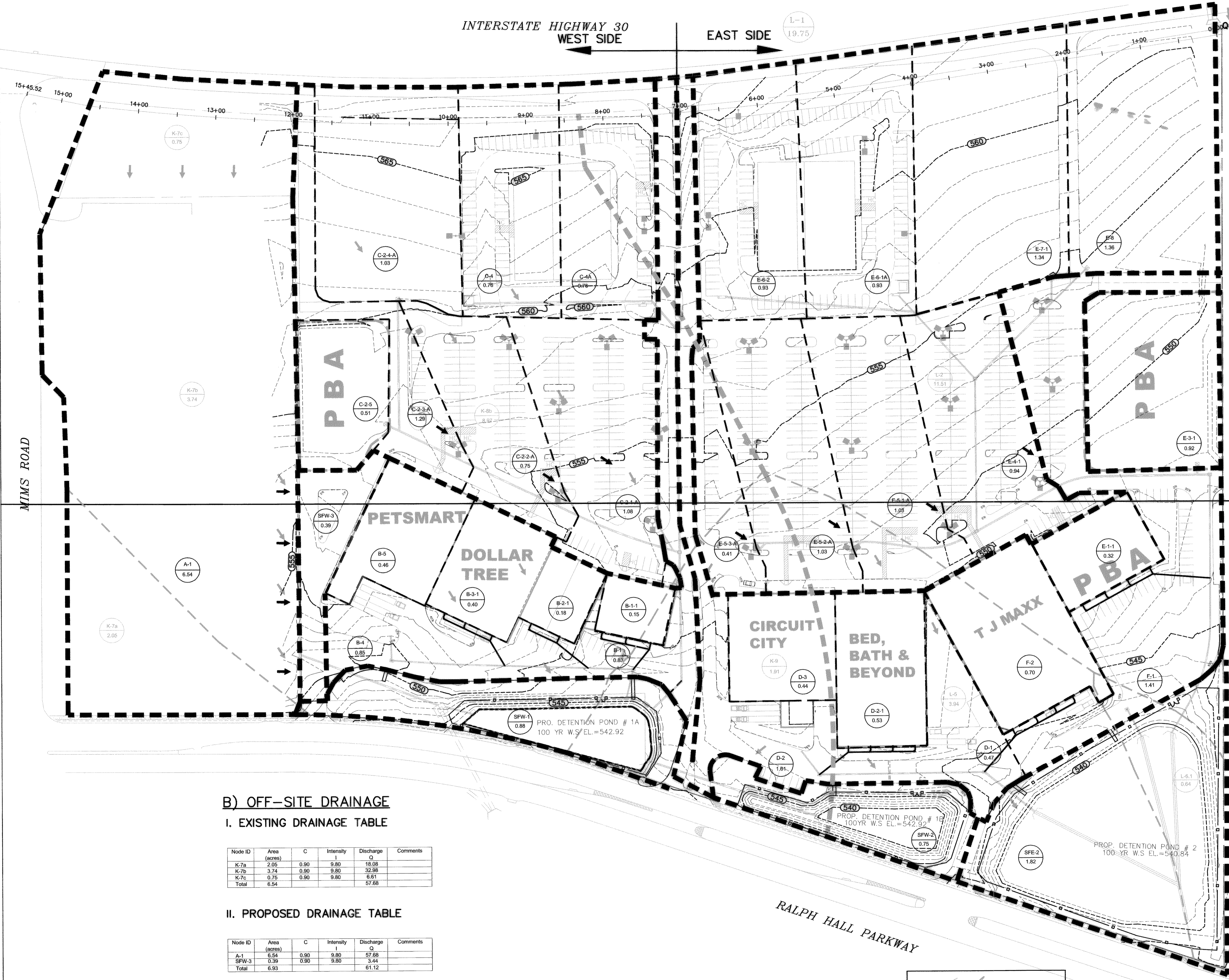
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**DOUPHRATE & ASSOCIATES, INC.**  
 ENGINEERING - PROJECT MANAGEMENT - SURVEYING  
 2235 RIDGE RD., # 200 ROCKWALL, TEXAS 75087  
 PHONE: (972)771-9004 FAX: (972)771-9005

**DRAINAGE AREA MAP**  
**ROCKWALL CROSSING**  
 26.09 AC.  
 CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

REVISION  
 W.L.D.  
 CHECKED  
 Y.B.  
 DRAWN  
 10/15/04  
 DATE  
 0242  
 PROJECT  
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 OF  
 21

INTERSTATE HIGHWAY 30  
 WEST SIDE EAST SIDE



**A) ON-SITE DRAINAGE**

**I. EXISTING DRAINAGE TABLE**  
**1. ON WEST SIDE**

Node ID	Area (acres)	C	Intensity I	Discharge Q	Comments
K-8b	8.97	0.35	8.30	26.06	
K-9	1.91	0.35	8.30	5.55	
<b>Total</b>	<b>10.88</b>			<b>31.61</b>	

**2. ON EAST SIDE**

Node ID	Area (acres)	C	Intensity I	Discharge Q	Comments
L-2	11.51	0.35	8.30	33.44	
L-5	3.94	0.35	8.30	11.44	
L-6-1	0.64	0.35	8.30	1.96	
<b>Total</b>	<b>16.09</b>			<b>46.74</b>	

TOTAL = 1+2 = 10.88 + 16.09 = 26.97

**II. PROPOSED DRAINAGE TABLE**

**1. ON WEST SIDE**

Node ID	Area (acres)	C	Intensity I	Discharge Q	Comments
B-1	0.83	0.90	9.80	7.22	
B-1-1	0.15	0.90	9.80	1.32	
B-2-1	0.18	0.90	9.80	1.59	
B-3-1	0.40	0.90	9.80	3.53	
B-4	0.59	0.90	9.80	5.20	
B-5	0.46	0.90	9.80	4.06	
<b>Total</b>	<b>2.61</b>			<b>18.88</b>	

Node ID	Area (acres)	C	Intensity I	Discharge Q	Comments
C-2-5	0.51	0.90	9.80	4.50	
C-2-1-A	1.08	0.90	9.80	9.53	
C-2-2-A	0.75	0.90	9.80	6.62	
C-2-3-A	1.29	0.90	9.80	11.38	
C-2-4-A	1.03	0.90	9.80	9.98	
C-4	0.76	0.90	9.80	6.74	
C-4A	0.76	0.90	9.80	6.74	
<b>Total</b>	<b>6.19</b>			<b>54.60</b>	

Node ID	Area (acres)	C	Intensity I	Discharge Q	Comments
SFW-1	0.88	0.90	9.80	7.76	
SFW-2	0.75	0.90	9.80	6.61	
SFW-3	0.39	0.90	9.80	3.44	
<b>Total</b>	<b>2.02</b>			<b>17.81</b>	

TOTAL ACRES(WEST) = 2.61 + 6.19 + 2.02 = 10.82

**2. ON EAST SIDE**

Node ID	Area (acres)	C	Intensity I	Discharge Q	Comments
D-1	0.47	0.90	9.80	4.15	
D-2	1.61	0.90	9.80	14.20	
D-2-1	0.53	0.90	9.80	4.67	
D-3	0.44	0.90	9.80	3.88	
F-2	0.70	0.90	9.80	6.17	
<b>Total</b>	<b>3.75</b>			<b>33.07</b>	

Node ID	Area (acres)	C	Intensity I	Discharge Q	Comments
E-1-1	0.32	0.90	9.80	2.82	
E-3-1	0.92	0.90	9.80	8.11	
E-4-1	0.94	0.90	9.80	8.29	
E-5-1-A	1.03	0.90	9.80	9.08	
E-5-2-A	1.03	0.90	9.80	9.08	
E-5-3-A	0.41	0.90	9.80	3.62	
E-6-1-A	0.93	0.90	9.80	8.20	
E-6-1	0.93	0.90	9.80	8.20	
E-6	1.36	0.90	9.80	12.00	
E-7-1	1.34	0.90	9.80	11.82	
<b>Total</b>	<b>9.22</b>			<b>81.31</b>	

Node ID	Area (acres)	C	Intensity I	Discharge Q	Comments
F-1	1.41	0.90	9.80	12.44	
<b>Total</b>	<b>1.41</b>			<b>12.44</b>	

Node ID	Area (acres)	C	Intensity I	Discharge Q	Comments
SFE-1	1.82	0.90	9.80	16.05	
<b>Total</b>	<b>1.82</b>			<b>16.05</b>	

TOTAL ACRES(EAST) = 3.75 + 9.22 + 1.41 + 1.82 = 16.20  
 TOTAL ACRES(EAST+WEST) = 1+2 = 10.89 + 16.20 = 26.89

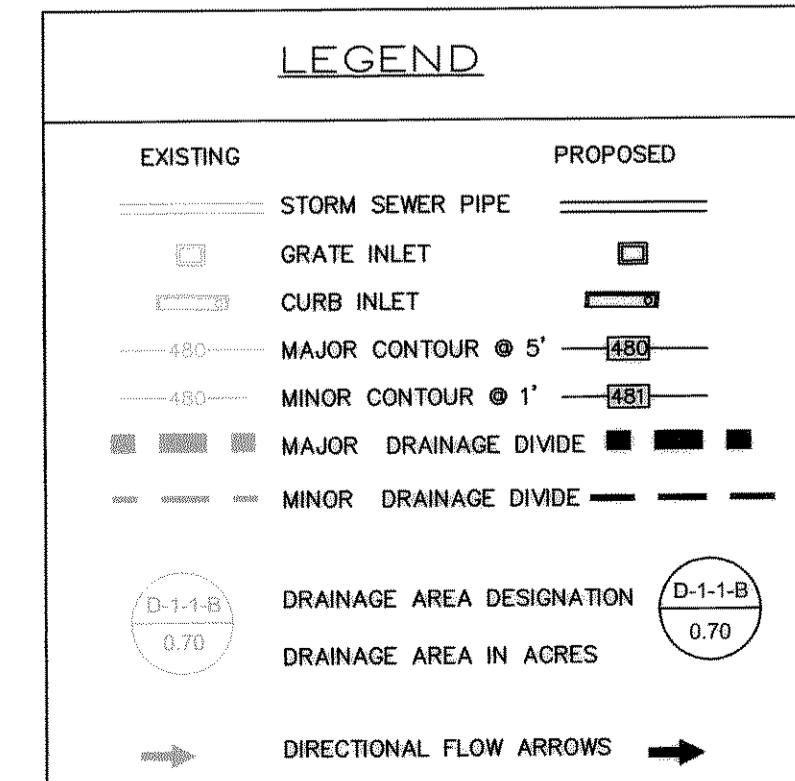
**B) OFF-SITE DRAINAGE**

**I. EXISTING DRAINAGE TABLE**

Node ID	Area (acres)	C	Intensity I	Discharge Q	Comments
K-7a	2.95	0.90	9.80	18.08	
K-7b	3.74	0.90	9.80	32.98	
K-7c	0.75	0.90	9.80	6.61	
<b>Total</b>	<b>6.54</b>			<b>57.68</b>	

**II. PROPOSED DRAINAGE TABLE**

Node ID	Area (acres)	C	Intensity I	Discharge Q	Comments
A-1	6.54	0.90	9.80	57.68	
SFW-3	0.39	0.90	9.80	3.44	
<b>Total</b>	<b>6.93</b>			<b>61.12</b>	



REVISED TO CONFORM TO CONSTRUCTION RECORDS.  
 DATE: 5/31/06