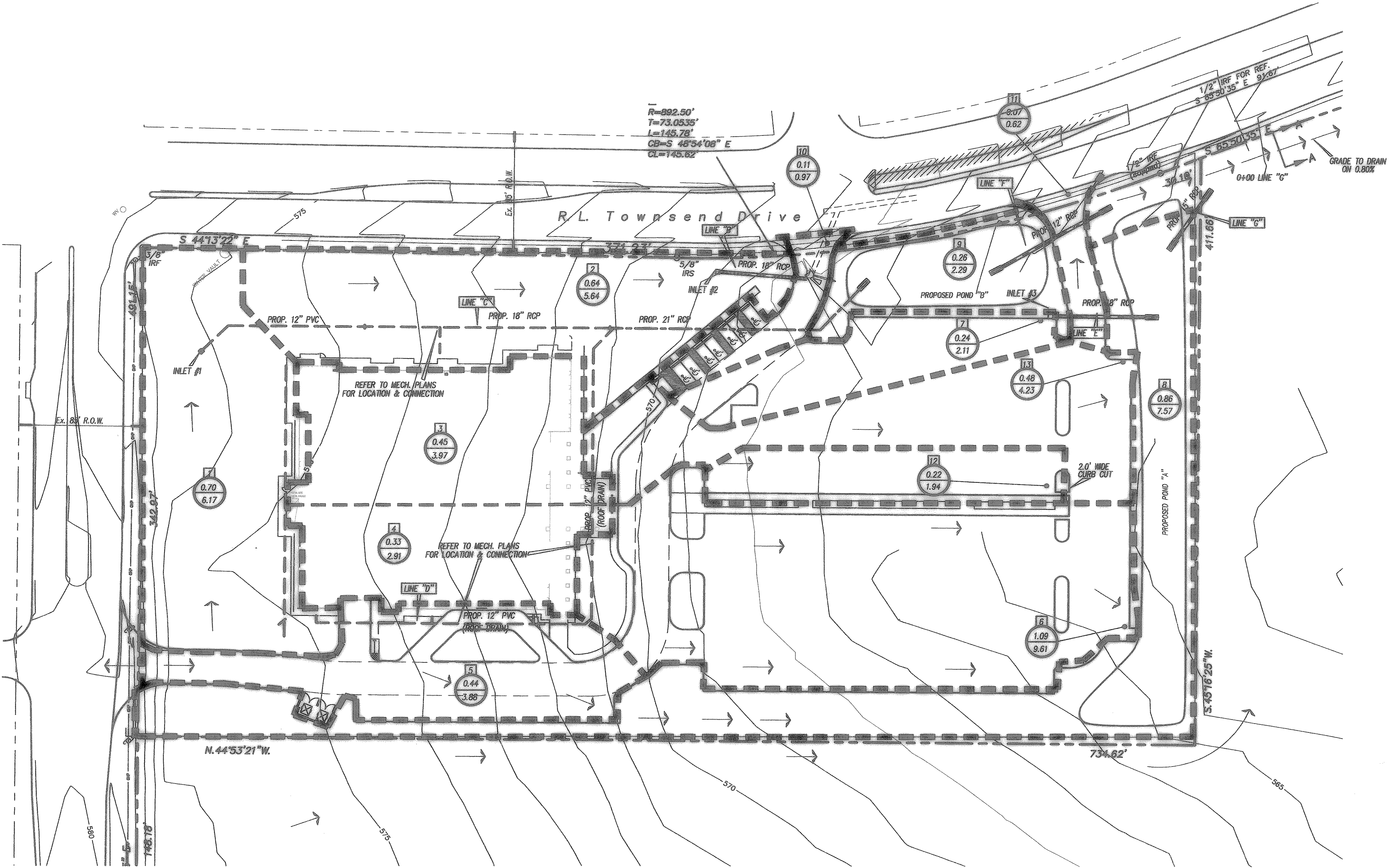
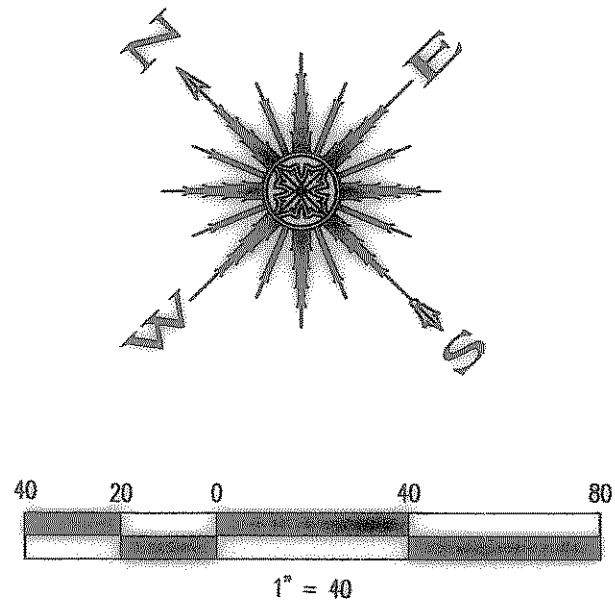


Revision	Date	Description



Legend

EX. CONTOUR --- 570 ---

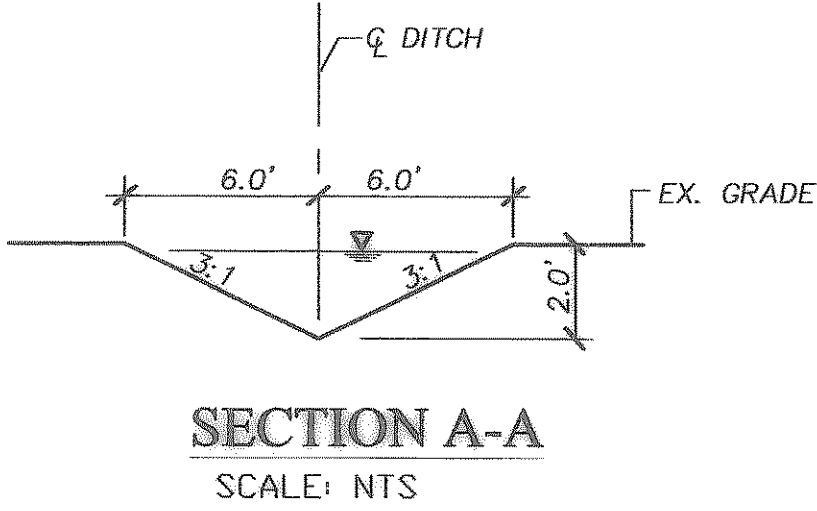
FLOW DIRECTION →

SPOT ELEVATION 70.0

FINISH FLOOR ELEV. F.F. 574.00

DRAINAGE AREA NO.
 ACRES
 Qcfs

DRAINAGE DIVIDE - - - - -



INLET DESIGN CALCULATIONS

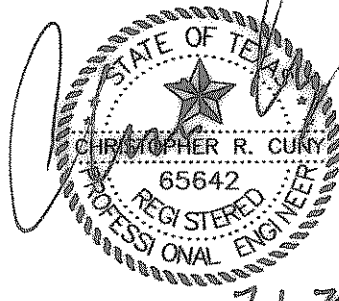
Inlet No.	Location	Design Storm Frequency (yrs)	AREA RUNOFF				Carry-Over From Upstream Inlet (c.f.s)	Total Gutter Flow (c.f.s.)	Gutter Capacity (c.f.s.)	Gutter Slope (ft/100ft)	Crown Type	SELECTED INLET		Inlet Capacity (c.f.s.)
			Time of Conc. (min)	Intensity I (in./hr.)	Runoff Coeff. "C"	Area (ac.)						Length "L" (Feet)	Type	
1	LINE "C"	100	10	9.8	0.90	0.70	0	6.17	LOW	LOW	-	2x2	V	8.0
2	LINE "B"	100	10	9.8	0.90	0.64	0	5.64	LOW	LOW	-	2x2	V	8.0
3	LINE "E"	100	10	9.8	0.90	0.24	0	2.11	LOW	LOW	-	5.0'	IA	7.5

DRAINAGE CALCULATIONS						
AREA NO.	AREA (AC.)	TC (MIN.)	C	1 100 Q 100	IN/HR	C.F.S.
1	0.70	10	0.90	9.80	6.17	
2	0.64	10	0.90	9.80	5.64	
3	0.45	10	0.90	9.80	3.97	
4	0.33	10	0.90	9.80	2.91	
5	0.44	10	0.90	9.80	3.88	
6	1.09	10	0.90	9.80	9.61	
7	0.24	10	0.90	9.80	2.11	
8	0.86	10	0.90	9.80	7.57	
9	0.26	10	0.90	9.80	2.29	
10	0.11	10	0.90	9.80	0.97	
11	0.07	10	0.90	9.80	0.62	
12	0.22	10	0.90	9.80	1.94	
13	0.48	10	0.90	9.80	4.23	

DRAINAGE AREA MAP
Rockwall Library

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THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY CHRISTOPHER R. CUNY, P.E. 05642



Drawn By: MSC	Checked By: DJW
Date: 6-22-07	Project No.: 05-017
Sheet Title: Drainage Area Map	
Scale: 1"=40'	Sheet No.: 7 of 11