

NOTE:  
BERM / SWALE SHALL  
BE GRADED TO WYE  
INLET

BENCHMARK:  
"□" cut on top of curb, center of inlet on  
the Northwest side of Rockwall Pkwy. approx.  
140' Northwest of Woodcreek Dr.  
ELEVATION = 527.25

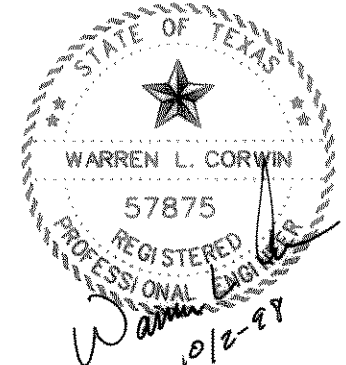
RUNOFF COMPUTATIONS						
DRAINAGE NO.	AREA AC.	RUNOFF COEFF. (C)	TOTAL C x A	Tc min	I (100) in/hr	Q (100) cfs
1	0.86	0.50	0.43	10	9.8	4.2
2	2.90	0.50	1.45	10	9.8	14.2
3	0.79	0.50	0.40	10	9.8	3.9
4	2.23	0.50	1.12	10	9.8	10.9
5	0.73	0.50	0.37	10	9.8	3.5
6	2.24	0.50	1.12	10	9.8	11.0
7	2.39	0.50	1.20	10	9.8	11.7
8	1.24	0.50	0.62	10	9.8	6.1
9	0.53	0.50	0.27	10	9.8	3.1
10	0.53	0.50	0.27	10	9.8	2.6
11	0.61	0.50	0.31	10	9.8	3.0
12	1.19	0.50	0.60	10	9.8	5.8
13	1.60	0.50	0.80	10	9.8	7.8
14	1.97	0.50	0.99	10	9.8	9.7
15	0.86	0.50	0.43	10	9.8	4.2
16	1.89	0.50	0.95	10	9.8	9.3
17	1.65	0.50	0.83	10	9.8	8.1
18	2.72	0.50	1.36	10	9.8	13.3
19	1.40	0.50	0.70	10	9.8	6.9
20	5.71	0.50	2.86	10	9.8	28.0
21	3.00	0.50	1.50	10	9.8	14.7

INLET DESIGN CALCULATIONS														
INLET NO.	Location	AREA RUNOFF					Carry-Over from Upstream	Total Gutter Flow (c.f.s.)	Gutter Capacity (c.f.s.)	Gutter Slope (ft./100 ft.)	SELECTED INLET			Carry-Over to Downstream Inlet
		Design Storm Frequency	Time of Conc. (min)	Intensity (in/hr)	Runoff Coeff. (C)	Area (ac)					"10" (c.f.s.)	Crown Type	Length (ft.)	
1	PVG STA 0+55	100	10	9.80	0.50	2.23	10.9	10.9	23.0	1.02%	6" pbl	15'	STD.	
2	PVG STA 0+60	100	10	9.80	0.50	0.73	3.6	3.6	23.0	1.02%	6" pbl	10'	STD.	
3	PVG STA 1+29	100	10	9.80	0.50	2.24	11.0	11.0	15.0	LOWPT	ALLEY	3 Grate	COMB.	
4	PVG STA 0+26	100	10	9.80	0.50	1.24	6.1	6.1	18.0	LOWPT	6" pbl	5'	STD.	
5	PVG STA 1+33	100	10	9.80	0.50	2.39	11.7	11.7	12.0	LOWPT	ALLEY	3 Grate	COMB.	
6	PVG STA 5+42	100	10	9.80	0.50	0.53	2.6	2.6	7.2	0.50%	6" pbl	5'	STD.	
7	PVG STA 5+90	100	10	9.80	0.50	1.66	8.1	8.1	18.0	0.60%	6" pbl	15'	STD.	
8	PVG STA 5+66	100	10	9.80	0.50	1.60	7.8	7.8	18.0	0.60%	6" pbl	15'	STD.	
9	PVG STA 7+89	100	10	9.80	0.50	1.97	9.7	9.7	14.0	0.72%	ALLEY	3 Grate	COMB.	3.1
10	PVG STA 7+85	100	10	9.80	0.50	0.86	4.2	4.2	18.0	0.60%	6" pbl	10'	STD.	* FUTURE
11	PVG STA 7+83	100	10	9.80	0.50	1.89	9.3	9.3	18.0	0.60%	6" pbl	15'	STD.	* FUTURE
12	PVG STA 7+68	100	10	9.80	0.50	1.65	8.1	8.1	20.0	1.85%	ALLEY	3 Grate	COMB.	2.6
13	PVG STA 1+85	100	10	9.80	0.50	5.71	28.0	28.0	16.0	LOWPT	6" pbl	10'	STD.	
14	PVG STA 0+23	100	10	9.80	0.50	1.73	8.5	8.5	16.0	0.50%	6" pbl	20'	STD.	
15	PVG STA 2+93	100	10	9.80	0.50	2.90	14.2	14.2	16.0	0.50%	6" pbl	10'	STD.	
16	PVG STA 3+20	100	10	9.80	0.50	0.79	3.9	3.9	16.0	0.50%	6" pbl	10'	STD.	
17	PVG STA 0+37	100	10	9.80	0.50	0.99	4.9	5.7	10.6	LOWPT	6" pbl	10'	STD.	

LEGEND

- PROP. STORM SEWER
- PROP. CURB INLETS
- PROP. CONC. HEADWALL
- EXIST. STORM SEWER
- DRAINAGE AREA DIVIDE
- FLOW ARROW
- DRAINAGE AREA NO.

FILE: \_\_\_\_\_  
REF. FILE: \_\_\_\_\_  
VIEW: \_\_\_\_\_  
DATE: \_\_\_\_\_



The seal appearing on this document was authorized by Warren L. Corwin, P.E. 57875, on October 2, 1998 (NOT FIELD VERIFIED)

NO.	REVISIONS	BY	DATE

**CORWIN ENGINEERING, INC.**  
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DALLAS, TEXAS 75251 (972) 480-0305

DEVELOPMENT PLANS FOR  
**LYNDEN PARK ESTATES PHASE IA**  
ROCKWALL, TEXAS

DRAINAGE AREA MAP &  
ALLEY INDEX

DRAWN BY FWB	DESIGNED BY FWB	CHECKED BY FWB	SHEET NO. 4 of 24
JOB NUMBER 9702	DATE JUNE, 1997	SCALE: 1"=100'	