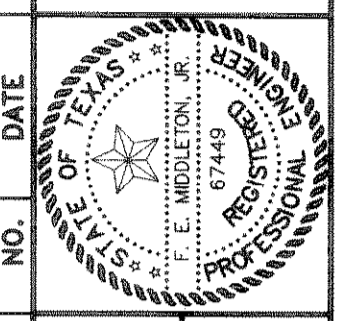


INLET DESIGN CALCULATIONS			PROJECT NAME <u>LOFLAND FARMS, PHASE 4</u>										BY <u>N.K.</u>				
			LINE NAME <u>N/A</u>										DATE <u>2/22/01</u>				
No.	Inlet Location	Design Storm Frequency (yrs.)	AREA RUNOFF Q = CIA						Carry-Over From Upstream Inlet (c.f.s.)	Total Gutter Flow (c.f.s.)	Gutter Capacity (c.f.s.)	Gutter Slope (ft./100ft.)	Crown Type	SELECTED INLET			Carry-Over To Downstream Inlet (c.f.s.)
			Time of Conc. (min.)	Intensity I (in./hr.)	Runoff Coeff. "C"	Area (ac.)	"Q" (c.f.s.)	Length "L" (Feet)						Inlet Capacity (c.f.s.)	Type		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
A	STA. 15+13.27 FIELDCREST DRIVE (RT.)	100	10	9.8	0.50	1.19	5.83	1.24	7.07	8.50	0.54	6" PARABOLIC	10'	7.60	C.I.	0	
B	STA. 15+13.27 FIELDCREST DRIVE (LT.)	100	10	9.8	0.50	1.26	6.17	1.05	7.22	8.50	0.54	6" PARABOLIC	10'	7.60	C.I.	0	
C	STA. 10+33.27 FIELDCREST DRIVE (RT.)	100	10	9.8	0.50	1.39	6.81	0	6.81	16.23	2.00	6" PARABOLIC	10'	6.50	C.I.	1.20	
D	STA. 10+20.27 FIELDCREST DRIVE (LT.)	100	10	9.8	0.50	1.42	6.95	0	6.95	16.23	2.00	6" PARABOLIC	10'	6.50	C.I.	1.05	
E	STA. 7+17.71 FIELDCREST DRIVE (LT.)	100	10	9.8	0.50	0.99	4.85	0	4.85	16.23	2.00	6" PARABOLIC	10'	6.50	C.I.	0	
G	STA. 4+01.63 FIELDCREST DRIVE (LT.)	100	10	9.8	0.50	1.20	5.88	1.01	6.89	10.34	0.82	6" PARABOLIC	10'	7.25	C.I.	0	
H	STA. 7+14.03 ALLEY "2" (RT.)	100	10	9.8	0.50	1.33	6.51	0	6.51	6.54	0.77	ALLEY	10'	7.40	C.I.	1.01	
I	STA. 4+93.04 PAINT CREEK COURT (LT.)	100	10	9.8	0.50	2.21	10.83	0	10.83	SAG	SAG	6" PARABOLIC	10'	21.00	C.I.	0	
J	STA. 10+89.02 ALLEY "3" (RT.)	100	10	9.8	0.50	0.75	3.65	0	3.65	SAG	SAG	ALLEY	5'	10.60	C.I.	0	
K	STA. 12+84.99 TEAGLE DRIVE (RT.)	100	10	9.8	0.50	0.49	2.40	1.33	3.73	29.0	0.59	6" PARABOLIC	5'	2.75	C.I.	0	
L	STA. 6+27.66 ALLEY "3" (RT.)	100	10	9.8	0.50	0.85	4.17	0	4.17	9.50	1.63	ALLEY	10'	6.75	C.I.	0.08	
M	STA. 0+81.86 ALLEY "3" (LT.)	100	10	9.8	0.50	0.84	4.12	0	4.12	9.50	1.63	ALLEY	10'	6.75	C.I.	0	
N	STA. 10+79.49 TEAGLE DRIVE (LT.)	100	10	9.8	0.50	1.44	7.05	1.77	8.82	8.82	0.59	6" PARABOLIC	10'	7.60	C.I.	1.22	
O	STA. 9+18.86 TEAGLE DRIVE (RT.)	100	10	9.8	0.50	2.34	11.46	0	11.46	14.29	1.55	6" PARABOLIC	15'	10.50	C.I.	0	
P	STA. 7+08.37 TEAGLE DRIVE (LT.)	100	10	9.8	0.50	1.75	8.72	0	8.72	13.08	1.30	6" PARABOLIC	10'	6.90	C.I.	1.77	
Q	STA. 3+81.37 TEAGLE DRIVE (LT.)	100	10	9.8	0.50	1.17	5.73	0	5.73	13.08	1.30	6" PARABOLIC	10'	6.90	C.I.	0	
S	STA. 3+60.00 ALLEY "4" (LT.)	100	10	9.8	0.50	1.47	7.20	0	7.20	7.22	0.94	ALLEY	10'	7.20	C.I.	0	
T	STA. 6+81.05 ALLEY "4" (LT.)	100	10	9.8	0.50	2.35	11.51	0	11.51	7.22	0.94	ALLEY	15'	12.0	C.I.	0	
U	STA. 12+84.99 TEAGLE DRIVE (LT.)	100	10	9.8	0.50	0.30	1.47	1.22	2.69	8.82	0.59	6" PARABOLIC	5'	3.10	C.I.	0	
V		100	10	9.8	0.50	0.75	3.68	0				OFFSITE			Y		
W	STA. 5+00.00 ALLEY "4" (LT.)	100	10	9.8	0.50	1.47	7.20	0	7.20	7.22	0.94	ALLEY	10'	7.20	C.I.	0	

THESE CONSTRUCTION PLANS WERE PREPARED UNDER THE RESPONSIBLE SUPERVISION OF F.E. MIDDLETON, JR., REGISTERED PROFESSIONAL ENGINEER NO. 67448

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY F.E. MIDDLETON, JR., P.E. #67448

F.E. Middleton, Jr. 10-29-01



LOFLAND FARMS, PHASE 4
W.H. BAIRD SURVEY, ABSTRACT NO. 25
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS
CONTINENTAL HOMES
621 WEST COLLEGE STREET
GRAPEVINE, TEXAS 76051

**LOFLAND FARMS, PHASE 4
DRAINAGE CALCULATIONS**

Scale :
Designed By : RB
Drawn By : MK
Checked By : FEM
File : 320024DAMDW\pview
Project No. : 32002.01

SHEET
2
OF
24

AS BUILT

Winkelmann & Associates, Inc. hereby states that this plan, to the best of our knowledge is "As Built." Modifications from the originally approved construction documents have been made as per information provided by the contractor, Winkelmann & Associates, Inc. does not warrant the correctness or quality of construction as no field verification was performed.

F.E. Middleton, Jr. 2/22/01

BENCHMARK: ELEV. = 600.69
CITY OF ROCKWALL R-19
BRASS MONUMENT AT THE N/W CORNER OF
SILVERVIEW & DIAMOND WAY, 500' ± SOUTH OF
S.H. 276.

BENCHMARK: ELEV. = 583.56
R.R. SPIKE SET IN THE CENTERLINE OF
3600± WEST OF F.M. 549

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(972) 966-7006
www.winkelmann.com

NO.	DATE	REVISION	APPROV.