

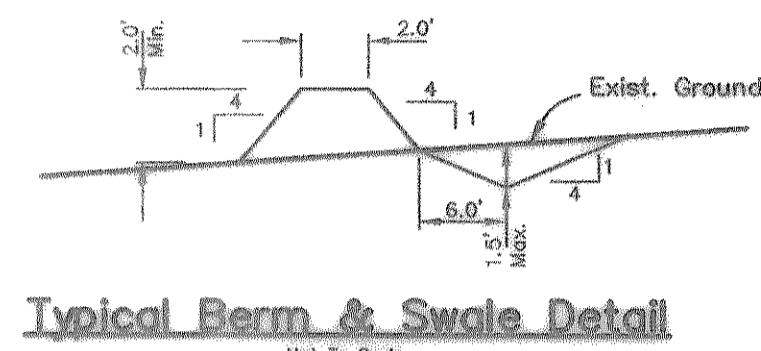
INLET CALCULATION CHART

INLET NO.	INLET LOCATION	DESIGN FREQUENCY (YEARS)	TIME TC (MIN)	INTENSITY I ¹ (IN/HR)	DEVELOPED RUNOFF COEFFICIENT C _D	DRAINAGE AREA (ACRES)	DEVELOPED Q ² (CFS)	BYPASS FROM INLET (CFS)	TOTAL Q ³ (CFS)	OUTLET SLOPE (FT/100FT)	OUTLET CAPACITY (CFS)	CROWN TYPE	LENGTH OF INLET (FEET)	CAPACITY OF INLET (CFS)	BYPASS TO INLET NUMBER
1	9+90 Myrtle Drive	100	10	9.8	0.50	0.82	4.02	0	4.02	0.50	4.12	Par.	10'	7.8	0
2	N/A	100	10	9.8	0.30	10.07	29.61	0	29.61	N/A	N/A	N/A	4x4	32.0	0
3	6+15 Myrtle Drive	100	10	9.8	0.50	1.08	5.29	0	5.29	1.50	7.13	Par.	10'	6.7	0
4	4+78 Burkwood Drive	100	10	9.8	0.50	1.41	6.91	0	6.91	1.50	7.13	Par.	15'	11.4	0
5	4+78 Burkwood Drive	100	10	9.8	0.50	1.41	6.91	0	6.91	1.50	7.13	Par.	15'	11.4	0
6	3+80 Myrtle Drive	100	10	9.8	0.50	1.53	7.47	0	7.47	Sag	N/A	Par.	10'	21.0	0
7	3+80 Myrtle Drive	100	10	9.8	0.50	1.52	7.47	0	7.47	Sag	N/A	Par.	10'	21.0	0
8	10+08 Mulberry Lane	100	10	9.8	0.50	1.82	8.92	0	8.92	2.50	9.20	Par.	15'	10.4	0
9	5+00 Mulberry Lane	100	10	9.8	0.50	1.43	6.98	0	6.98	Sag	N/A	Par.	10'	21.0	0
10	5+00 Mulberry Lane	100	10	9.8	0.50	1.42	6.98	0	6.98	Sag	N/A	Par.	10'	21.0	0
11	7+27 Tubbs Road	100	10	9.8	0.50	1.22	5.98	0	5.98	4.0	43.0	1/4"	10'	5.0	0.98(12)
12	3+80 Tubbs Road	100	10	9.8	0.50	1.12	5.49	0.98	6.47	Sag	N/A	1/4"	10'	21.0	0

* = REPRESENTS 1/2 OF THE DRAINAGE AREA

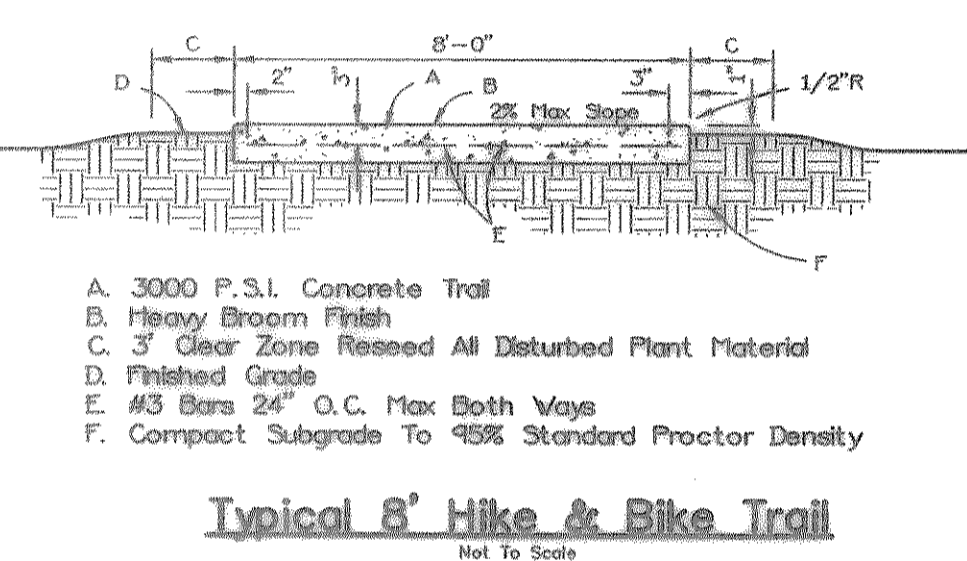
Legend

- = Acreage
- = Q₁₀₀
- = Drainage Area Divide
- = Existing Contours
- = Direction Of Flow
- C = 0.50 I₁₀₀ = 9.8 TC = 10.00 min.

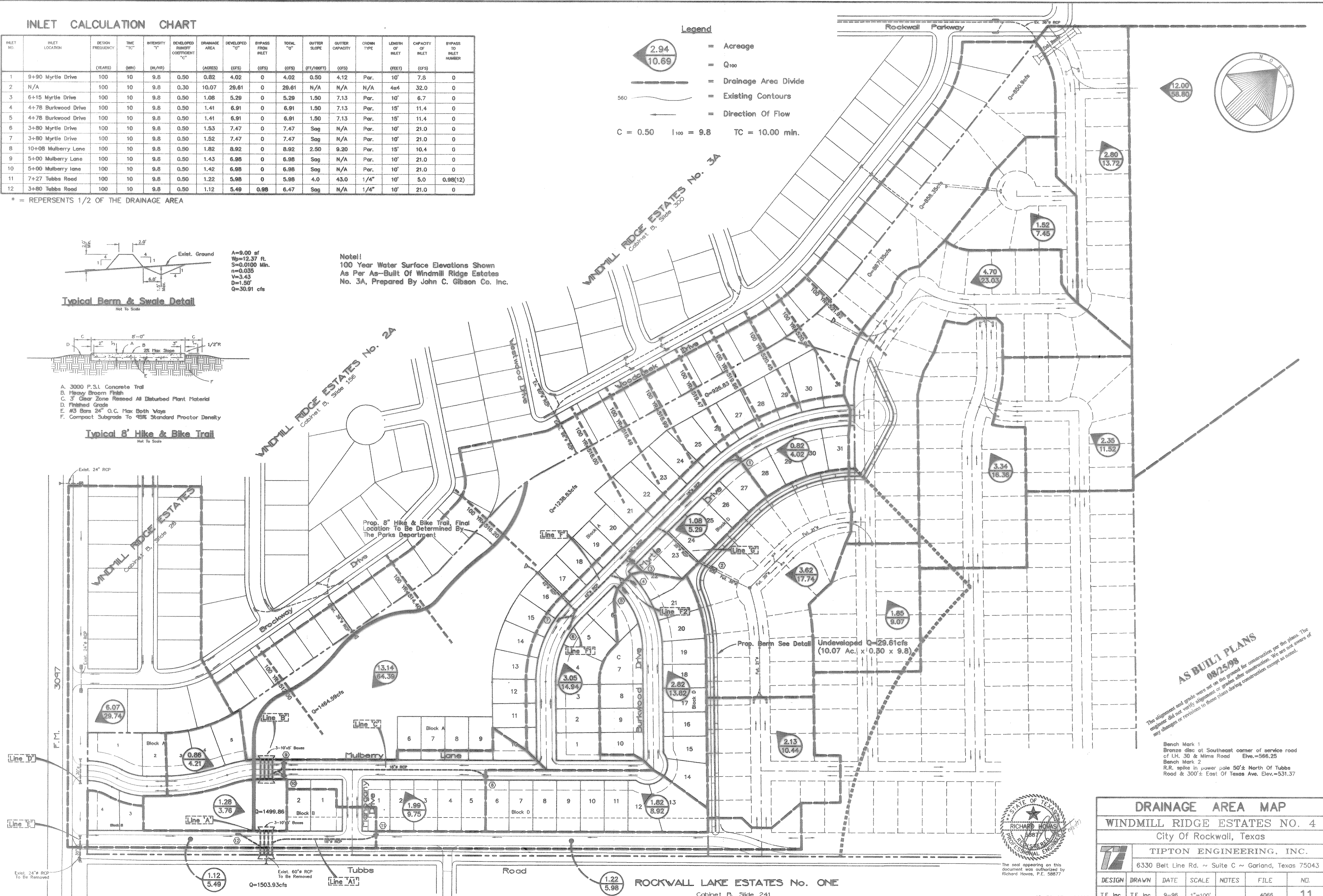


A=9.00 sf
W_p=12.37 ft.
S=0.0100 Min.
n=0.035
V=3.43
D=1.50'
Q=30.91 cfs

Note!
100 Year Water Surface Elevations Shown
As Per As-Built Of Windmill Ridge Estates
No. 3A, Prepared By John C. Gibson Co. Inc.



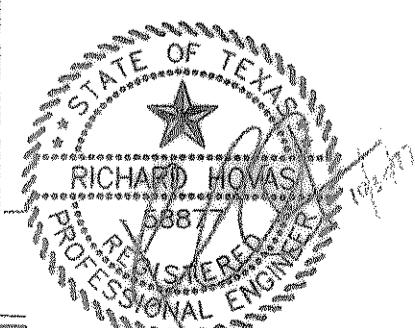
- A. 3000 P.S.I. Concrete Trail
- B. Heavy Broom Finish
- C. 3" Clear Zone Reseed All Disturbed Plant Material
- D. Finished Grade
- E. #3 Bars 24" O.C. Max Both Ways
- F. Compact Subgrade To 95% Standard Proctor Density



AS BUILT PLANS
08/25/98

The alignment and grade were set on the ground for construction per the plans. The engineer did not verify alignment or grades after construction. We are not aware of any changes or revisions to these plans during construction except as noted.

- Bench Mark 1
Bronze disc at Southeast corner of service road of I.H. 30 & Mims Road Elev.=566.25
- Bench Mark 2
R.R. spike in power pole 50'± North Of Tubbs Road & 300'± East Of Texas Ave. Elev.=531.37



The seal appearing on this document was authorized by Richard Howas, P.E. 5887

DRAINAGE AREA MAP						
WINDMILL RIDGE ESTATES NO. 4						
City Of Rockwall, Texas						
TIPTON ENGINEERING, INC.						
6330 Belt Line Rd. ~ Suite C ~ Garland, Texas 75043						
DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
T.E. Inc.	T.E. Inc.	9-96	1"=100'		4066	11