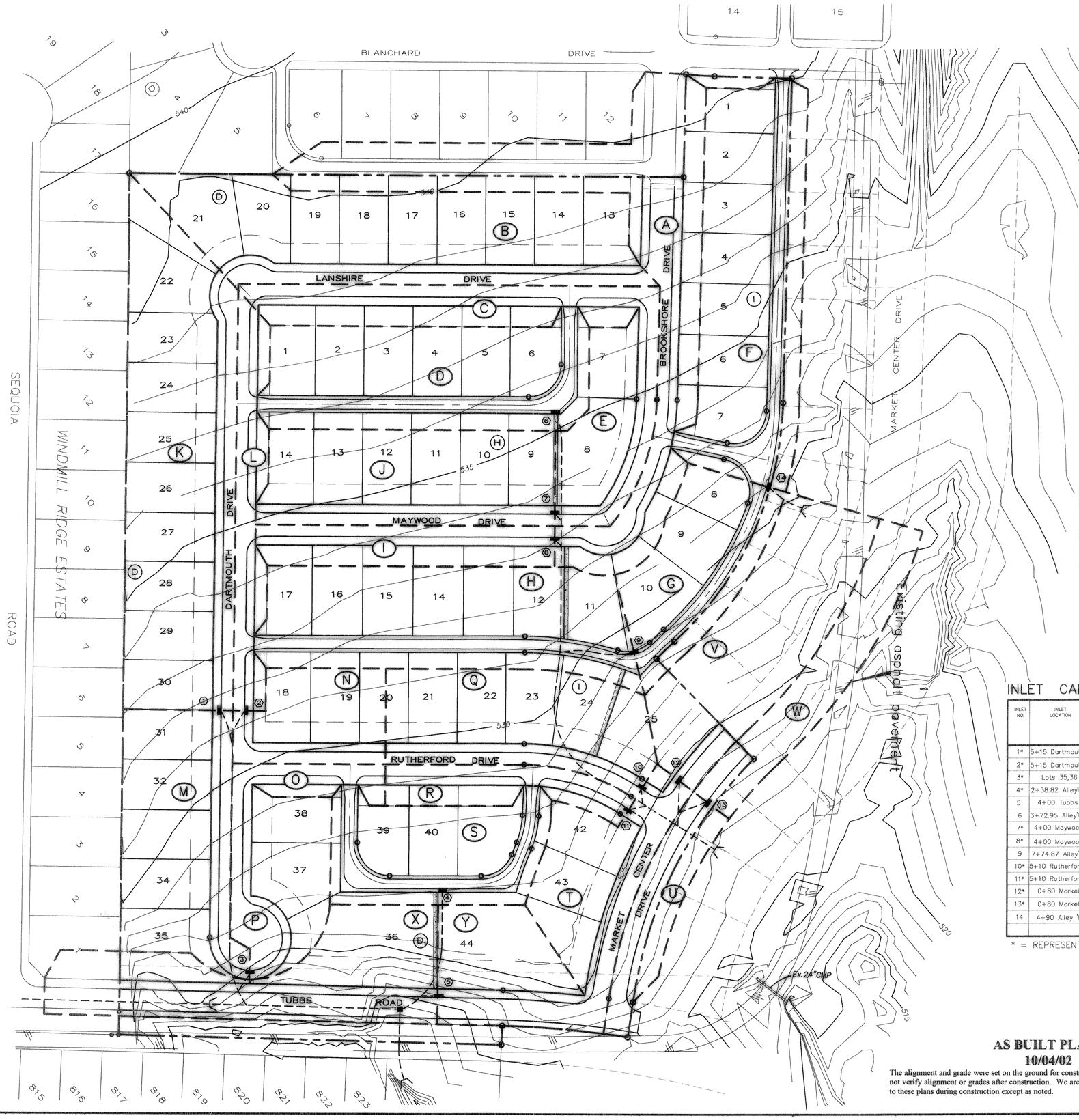

Bench Mark 1
A Standard U.S.C.&G.S. Disk Stamped 'M 929 1946'
Approx. 1.9 miles southeast along State Hwy. 205 from Courthouse at Rockwall to bridge at Buffalo Creek, at the northwest corner of the concrete bridge in the top of the concrete guardrail base approx. 17 feet southwest of the centerline of the highway, and approx. 3 feet southeast of the northwest end of the guardrail base.
Elevation = 524.65
Bench Mark 2
Top of Concrete ROW Marker, approx. 1.6 miles southeast along State Hwy. 205 and then approx. 0.6 miles east along FM 276 to intersection of paved road, at fence corner at southwest quadrant of intersection.
Elevation = 543.10

DRAINAGE CALCULATION

AREA NO.	AREA	C	$I_{100yr.}$	$Q_{100yr.}$
A	1.56	9.80	0.50	7.64
B	1.52	9.80	0.50	7.45
C	0.52	9.80	0.50	2.55
D	1.15	9.80	0.50	5.64
E	0.54	9.80	0.50	2.65
F	1.40	9.80	0.50	6.86
G	0.77	9.80	0.50	3.77
H	1.21	9.80	0.50	5.92
I	0.41	9.80	0.50	2.00
J	0.96	9.80	0.50	4.71
K	1.80	9.80	0.50	8.82
L	0.39	9.80	0.50	1.91
M	0.94	9.80	0.50	4.61
N	0.45	9.80	0.50	2.21
O	0.10	9.80	0.50	0.49
P	0.62	9.80	0.50	3.03
Q	0.87	9.80	0.50	4.26
R	0.31	9.80	0.50	1.52
S	0.75	9.80	0.50	3.68
T	0.62	9.80	0.50	3.04
U	0.32	9.80	0.50	1.57
V	1.00	9.80	0.50	4.9
W	0.56	9.80	0.50	2.74
X	0.99	9.80	0.50	4.85
Y	0.54	9.80	0.50	2.65

Legend

①	=	Inlet Number
(A)	=	Drainage Area
	=	Drainage Area Divide
560	=	Existing Contours
	=	Direction Of Flow

INLET CALCULATION CHART

INLET NO.	INLET LOCATION	DESIGN FREQUENCY (YEARS)	TIME "TC" (MIN)	INTENSITY "I" (IN/HR)	DEVELOPED RUNOFF COEFFICIENT "C"	DRAINAGE AREA (ACRES)	DEVELOPED "Q" (CFS)	BYPASS FROM INLET (CFS)	TOTAL "Q" (CFS)	GUTTER SLOPE (FT/100FT)	STREET CAPACITY (CFS)	CROWN TYPE	LENGTH OF INLET (FEET)	"YO" OF INLET (FEET)	CAPACITY OF INLET (CFS)	BYPASS TO NEXT INLET (CFS)	BYPASS TO INLET NUMBER
1*	5+15 Dartmouth	100	10	9.80	0.50	1.80	8.82	0	8.82	1.00	32.0	6" Par	10'	0.50	7.20	1.62	3
2*	5+15 Dartmouth	100	10	9.80	0.50	0.39	1.91	0	1.91	1.00	32.0	6" Par	10'	0.50	7.20	0	–
3*	Lots 35,36	100	10	9.80	0.50	2.11	10.34	1.62	11.16	SAG	N/A	6" Par	10'	0.50	21.0	0	–
4*	2+38.82 Alley'D'	100	10	9.80	0.50	0.75	3.68	0	3.68	SAG	N/A	5" INV	10'	0.50	21.0	0	–
5	4+00 Tubbs	100	10	9.80	0.50	2.15	10.54	0	10.54	SAG	N/A	1/4"	10'	0.50	21.0	0	–
6	3+72.95 Alley'H'	100	10	9.80	0.50	1.15	5.64	0	5.64	SAG	N/A	5" INV	10'	0.50	21.0	0	–
7*	4+00 Maywood	100	10	9.80	0.50	3.03	14.86	0	14.86	SAG	N/A	6" Par	10'	0.50	21.0	0	–
8*	4+00 Maywood	100	10	9.80	0.50	2.48	12.14	0	12.14	SAG	N/A	6" Par	10'	0.50	21.0	0	–
9	7+74.87 Alley'I'	100	10	9.80	0.50	1.98	9.69	1.46	11.15	0.50	18.0	5" INV	10'	0.50	21.0	0	–
10*	5+10 Rutherford	100	10	9.80	0.50	0.87	4.26	0	4.26	1.00	18.0	6" Par	10'	0.50	7.20	0	–
11*	5+10 Rutherford	100	10	9.80	0.50	0.31	1.52	0	1.52	1.00	18.0	6" Par	10'	0.50	7.20	0	–
12*	0+80 Market	100	10	9.80	0.50	0.78	3.82	0	3.82	0.50	18.0	6" Par	10'	0.50	7.20	0	–
13*	0+80 Market	100	10	9.80	0.50	0.78	3.82	0	3.82	0.50	18.0	6" Par	10'	0.50	7.20	0	–
14	4+90 Alley 'I'	100	10	9.80	0.50	1.40	6.86	0	6.86	0.50	18.0	5" INV	10'	0.50	5.80	1.46	9

* = REPRESENTS 1/2 OF THE DRAINAGE AREA

AS BUILT PLANS
10/04/02

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.

STATE OF TEXAS
RICHARD HOVAS
58877
REGISTERED PROFESSIONAL ENGINEER

03-08-02 4579DM

DRAINAGE AREA MAP

LYNDEN PARK ESTATES PHASE 3

City Of Rockwall, Texas

TIPTON ENGINEERING, INC.

6330 Broadway Blvd. ~ Suite C ~ Garland, Texas 75043

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
T.E. Inc.	T.E. Inc.	03/00	1"=60'		4579	11

03/08/2002 08:06:19 4579DM dwg