INDUSTRIAL AIR CENTER

DRAINAGE CONCEPT
AND UTILITY LAYOUT

NOTES:

1. OWNER SHALL GUARANTEE A TEMPORARY 10' DEDEL LANE ALONG 37 ADEN AND 30TH STREET NORTH AND A FUTURE DEDEL LANE WHEN STREETS ARE IMPROVED TO 4 LANES ON TOBEN AND 30TH STREET NORTH.
2. RESERVES "A" THROUGH "C" ARE FOR UTILITIES, DRAINAGE, LAND SCAPING, IRRIGATION AND ENTRY MONUMENTS.
3. RESERVE "D" IN ADDITION TO THE ABOVE IS FOR RECREATIONAL USES AND RELATED STRUCTURES.
4. BENCH MARK: CITY BENCHMARK 42'S. AND 11'E. OF S.E. COR. SEC. 29, 3265 ELEV. 1234.
5. DRAINAGE CONCEPT PLAN TO BE SUBMITTED BY M.K.E.C. TO CITY ENGINEER.
6. ALL RESERVES TO BE OWNED AND MAINTAINED BY LOT OWNERS ASSOCIATION.
7. FOR LOTS 9 THROUGH 18 BLOCK 1 THERE SHALL BE ACCESS CONTROL EXCEPT FOR CROSSINGS ON EACH LOT ALONG TOBEN AND 30TH STREET NORTH ONLY.

Drainage Area	Area (Acres)	Area Acres	C_5	C_{100}	T_c (min)	i_5 (in/hr)	i_{100} (in/hr)	Q_5 (cfs)	Q_{100} (cfs)	Pipe Size	Pipe Slope	Pipe Size	Pipe Slope
Drainage Area													
A	6.62		0.73	0.82	17	4.31	7.00	20.83	38.00				
B	1.76		0.73	0.82	15	4.56	7.37	5.86	10.64				
C	6.38		0.73	0.82	20	4.00	6.53	24.47	44.82				
D	3.17		0.73	0.82	17	4.31	7.00	9.97	18.20				
E	2.60		0.73	0.82	15	4.56	7.37	9.65	17.53				
F	12.99	34.45	0.73	0.82	20	4.00	6.53	42.19	77.37				
G	2.17		0.73	0.82	18	4.20	6.84	5.14	16.71				
H	5.31		0.73	0.82	18	4.20	6.84	5.72	17.76				
I	9.56		0.73	0.82	17	4.31	7.00	30.14	54.99				
J	25.87		0.75	0.83	23	3.79	6.13	72.87	131.62				
K	2.32		0.73	0.82	18	4.20	6.84	7.11	13.01				
L	0.62		0.68	0.83	18	4.20	6.84	1.94	3.31				
Drainage Area													
Portion of Commerce Com., Inc. Parts 4th Add. & 30th St. N. R/W	6.14		0.77	0.84	19	4.10	6.68	25.70	45.68				
Portion of Commerce Com., Inc. Parts 4th Add. & 30th St. N. R/W	10.98		0.77	0.84	16	4.10	6.68	34.66	61.61	42" RCP	0.42%		
D, E Portion of Commerce Com., Inc. Parts 4th & 30th St. N. R/W			0.73	0.82	17	4.31	7.00	42.19	77.37				
H Portion of Commerce Com., Inc. Parts 4th & 30th St. N. R/W			0.73	0.82	17	4.31	7.00	9.65	17.53				
I Portion of Commerce Com., Inc. Parts 4th & 30th St. N. R/W			0.73	0.82	17	4.31	7.00	30.14	54.99				
F Portion of Commerce Com., Inc. Parts 4th & 30th St. N. R/W			0.73	0.82	20	4.00	6.53	31.66	58.42	2-30" RCP	0.34%		
Area N. of 30th St. Portion of Com., Inc. Parts 4th & 30th St. N. R/W			0.74	0.83	23	3.79	6.13	10.14	20.87				
N. Areas E Portion of Commerce Com., Inc. Parts 4th & 30th St. N. R/W			0.74	0.83	24	3.65	6.01	116.52	216.95				
TOBEN RPD ADDITION ZONED E.LIGHT IND.													
Area N. of 30th St. Portion of Commerce Com., Inc. Parts 4th & 30th St. N. R/W			0.74	0.83	24	3.65	6.01	116.52	216.95