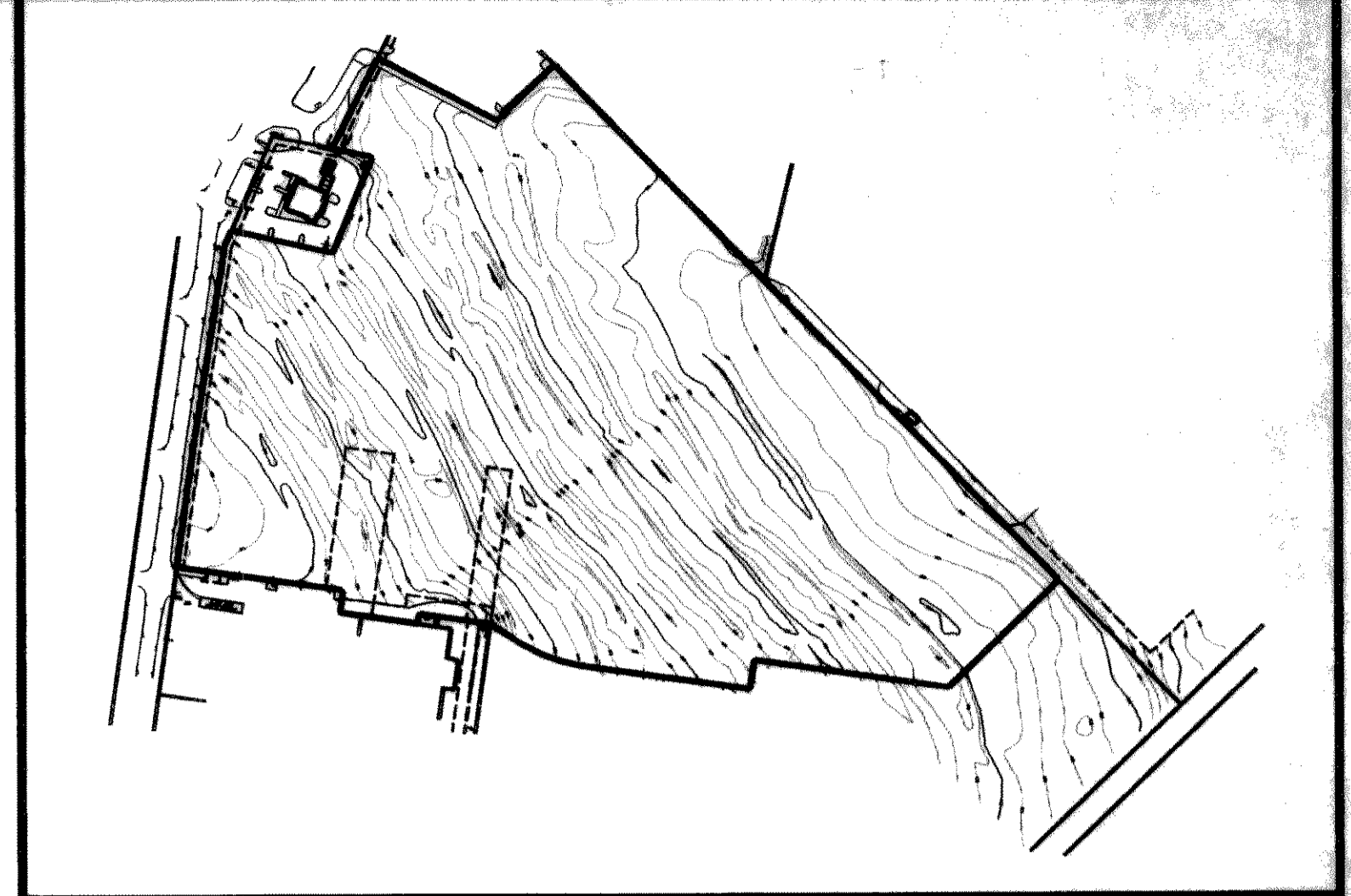


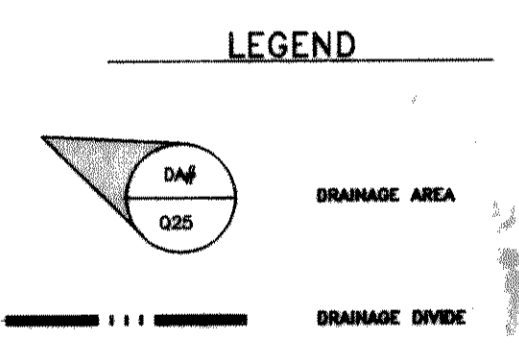
- GENERAL NOTES:**
1. ALL STORM SEWER PIPES TO BE CLASS III RCP UNLESS NOTED OTHERWISE.
  2. ALL INLET CONSTRUCTION AND STORM SEWER INSTALLATION TO BE IN ACCORDANCE WITH CITY OF ROCKWALL STANDARDS.
  3. PRIOR TO CONSTRUCTION CONTRACTOR WILL CONTACT ALL PRIVATE UTILITY COMPANIES TO LOCATE THEIR RESPECTIVE SYSTEMS.
  4. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR THE PUBLIC WORKS CONSTRUCTION PER THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS LATEST EDITION, AND ANY SPECIAL PROVISION AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS.
  5. DURING THE CONSTRUCTION OF THESE IMPROVEMENTS, ANY INTERPRETATION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND ANY MATTER WHICH REQUIRES THE APPROVAL OF THE OWNER MUST BE APPROVED BY THE DIRECTOR OF PUBLIC WORKS OR HIS DESIGNEE BEFORE ANY CONSTRUCTION INVOLVING THAT DECISION COMMENCES.  
  
ASSUMPTIONS ABOUT WHAT THESE DECISIONS MIGHT BE WHICH ARE MADE DURING THE BIDDING PHASE WILL HAVE NO BEARING ON THE DECISION.
  6. FOR ADJUSTMENT OF ROCKWALL WATER UTILITIES APPURTENANCES OR TO VERIFY LOCATIONS OF EXISTING WATER AND WASTEWATER MAINS IN AREA, CONTACT HENRY GOODNIGHT AT THE CITY OF DALLAS WATER DISTRIBUTION DIVISION AT (214) 670-7851 AND RANDY STANLMAKER, IN WASTEWATER COLLECTION DIVISION (214) 670-7440 AT LEAST (5) THREE WORKING DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION.



**DRAINAGE SUMMARY**

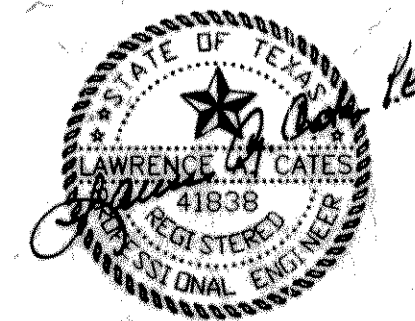
D.A. NO.	AREA (ACRES)	RUNOFF (C)	Q <sub>5</sub> (IN./HR.)	Q <sub>10</sub> (IN./HR.)	Q <sub>25</sub> (IN./HR.)	Q <sub>50</sub> (IN./HR.)	Q <sub>100</sub> (IN./HR.)	Q <sub>5</sub> (C.F.S.)	Q <sub>10</sub> (C.F.S.)	Q <sub>25</sub> (C.F.S.)	Q <sub>50</sub> (C.F.S.)	Q <sub>100</sub> (C.F.S.)	REMARKS
1	1.34	0.80	6.2	7.3	8.3	9.8	8.8	7.8	8.9	10.5	8.8	10.5	TO 18" STUB OUT
2	0.97	0.80	6.2	7.3	8.3	9.8	4.8	5.7	6.4	7.6	15.3	18.1	TO 18" STUB OUT
3	1.00	0.80	6.2	7.3	8.3	9.8	5.0	5.8	6.6	7.8	6.8	7.8	TO 5"X5" DROP INLET
4	0.47	0.80	6.2	7.3	8.3	9.8	2.3	2.7	3.1	3.7	8.7	11.5	TO 18" STUB OUT
5	0.81	0.80	6.2	7.3	8.3	9.8	3.0	3.6	4.1	4.8	13.8	16.3	TO 10" C.I.
6	1.12	0.80	6.2	7.3	8.3	9.8	5.8	6.5	7.4	8.8	36.5	43.2	TO 10" C.I. (DA 1 THRU 6)
7	1.09	0.80	6.2	7.3	8.3	9.8	5.4	6.4	7.2	8.5	43.7	51.7	TO 10" C.I.
8	0.61	0.80	6.2	7.3	8.3	9.8	3.0	3.6	4.1	4.8	47.8	56.5	TO 10" C.I.
9	0.35	0.80	6.2	7.3	8.3	9.8	1.7	2.0	2.3	2.7	2.3	2.7	TO 5" CURB INLET
10	1.44	0.80	6.2	7.3	8.3	9.8	7.1	8.4	9.8	11.3	11.9	14.0	TO 6 GRATE INLET
11	1.89	0.80	6.2	7.3	8.3	9.8	8.4	9.9	11.2	13.2	23.1	27.2	TO 6 GRATE INLET
12	1.28	0.80	6.2	7.3	8.3	9.8	6.3	7.5	8.5	10.0	31.6	37.2	TO 6 GRATE INLET
13	1.18	0.80	6.2	7.3	8.3	9.8	5.9	6.9	7.8	9.3	67.2	103.0	TO 10" C.I. (DA 1 THRU 6)
14	0.75	0.80	6.2	7.3	8.3	9.8	3.7	4.4	5.0	5.9	5.0	5.9	TO DA 18
15	1.33	0.80	6.2	7.3	8.3	9.8	6.6	7.8	8.8	10.4	8.8	10.4	TO DA 18
16	0.72	0.80	6.2	7.3	8.3	9.8	3.6	4.2	4.8	5.6	18.6	21.9	TO 10" C.I. (DA 14 THRU 16)
17	0.62	0.80	6.2	7.3	8.3	9.8	3.1	3.6	4.1	4.8	22.7	26.8	ROOF DRN. COLL. SYSTEM
18	0.37	0.80	6.2	7.3	8.3	9.8	1.8	2.2	2.5	2.9	25.2	29.7	TO 10" C.I.
19	0.66	0.80	6.2	7.3	8.3	9.8	3.3	3.9	4.4	5.2	28.6	34.9	ROOF DRN. COLL. SYSTEM
20	1.78	0.80	6.2	7.3	8.3	9.8	8.8	10.4	11.8	14.0	41.4	48.9	TO 10" C.I.
21	0.72	0.80	6.2	7.3	8.3	9.8	3.6	4.2	4.8	5.6	46.2	54.5	TO 10" C.I.
22	1.31	0.80	6.2	7.3	8.3	9.8	6.5	7.7	8.7	10.3	8.7	10.3	TO OFF-SITE
23	2.41	0.80	6.2	7.3	8.3	9.8	12.0	14.0	16.0	18.9	103.2	121.9	TO 10" C.I. (DA 13 AND 23)
24	0.46	0.80	6.2	7.3	8.3	9.8	2.4	2.8	3.2	3.8	3.2	3.8	TO 10" C.I.
25	1.75	0.80	6.2	7.3	8.3	9.8	8.7	10.2	11.6	13.7	14.8	17.5	TO 10" C.I.
26	4.32	0.80	6.2	7.3	8.3	9.8	22.5	25.2	28.7	33.9	221.7	281.1	DETENTION POND
OS1	0.66	0.80	6.2	7.3	8.3	9.8	3.3	3.9	4.4	5.2	4.4	5.2	TO 10" C.I. IN STEGER TOWNE DRIVE
OS2	0.27	0.80	6.2	7.3	8.3	9.8	1.3	1.6	1.8	2.1	6.2	7.3	TO 10" C.I. IN STEGER TOWNE DRIVE
OS3	0.48	0.80	6.2	7.3	8.3	9.8	2.4	2.8	3.2	3.8	3.8	4.4	TO 10" C.I. IN STEGER TOWNE DRIVE
OS4	0.30	0.80	6.2	7.3	8.3	9.8	1.5	1.8	2.0	2.4	5.2	6.2	TO 10" C.I. IN STEGER TOWNE DRIVE
OS5	0.92	0.80	6.2	7.3	8.3	9.8	4.6	5.4	6.1	7.2	17.5	20.7	18" STUB OUT (FUTURE)
OS6	0.31	0.80	6.2	7.3	8.3	9.8	1.5	1.8	2.1	2.4	19.6	23.1	TO 10" C.I. IN STEGER TOWNE DRIVE
OS7	0.41	0.80	6.2	7.3	8.3	9.8	2.0	2.4	2.7	3.2	22.3	26.3	TO 10" C.I. IN STEGER TOWNE DRIVE
OS8	0.47	0.80	6.2	7.3	8.3	9.8	2.3	2.7	3.1	3.7	26.0	30.0	TO 10" C.I. IN STEGER TOWNE DRIVE
OS9	0.42	0.80	6.2	7.3	8.3	9.8	2.1	2.5	2.8	3.3	28.8	33.3	TO 10" C.I. IN STEGER TOWNE DRIVE

\*NOTE:  
ALL SITE DRAINAGE BASED ON Q<sub>25</sub> W/Q<sub>100</sub>  
OVERFLOW TO POND.  
STEGER TOWNE DRIVE DRAINAGE DESIGN  
BASED ON Q<sub>100</sub>.



AS BUILT  
DATE 4/30/97

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY LAWRENCE A. CATES, P.E. 41838 ON 06/25/96



AS BUILT / ISSUED FOR BIDS DATE: _____ REVISIONS: _____					
<b>DRAINAGE AREA MAP</b>					
STEGER TOWNE CROSSING					
F.M. 740 (RIDGE ROAD) AND I.H. 30					
CITY OF ROCKWALL, TEXAS					
LAWRENCE A. CATES & ASSOC., INC.				CONSULTING ENGINEERS DALLAS, TEXAS	
DESIGN	DRAWN	DATE	SCALE	NOTES	FILE NO.
LAC	LAC	1/96	1"=100'	D.P.	95057 DAMAP C-20

P:\UNIVERSITY\UNMAP - Non Jun 24 02:05:08 1996