

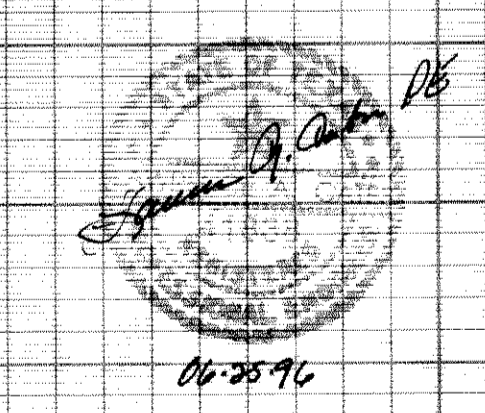
$Q_{1.00} = 71.64$  cfs  
 $S = 0.005$  %  
 $V = 7.45$  fps  
  
 $Q_{25} = 57.11$  cfs  
 $S = 0.0032$  %  
 $V = 5.94$  fps  
 $d = 27.72$ "  
 PARTIAL FLOW  
  
 $Q_{10} = 49.84$  cfs  
 $S = 0.0025$  %  
 $V = 5.18$  fps  
 $d = 26.04$ "  
 PARTIAL FLOW

$Q_{10} = 15.1$  cfs  
 $S = 0.0207$  %  
 $V = 8.54$  fps  
  
 $Q_{25} = 25.6$  cfs  
 $S = 0.0269$  %  
 $V = 10.60$  fps

$Q_{10} = 16$  cfs  
 $D = 21$ "  
 $S = 0.0102$  %  
 $V = 6.65$  fps

B.M.  
 CITY OF ROCKWALL CONTROL MONUMENT #6  
 ELEVATION = 556.17  
  
 I.B.M.  
 N.E. CORNER OF FOOD LION TRACT RIM OF  
 S.S. MANHOLE  
 ELEVATION = 571.75

AS BUILT  
 DATE 4-30-97



| STORM SEWER PROFILES              |       |         |                       |         |                      |      |
|-----------------------------------|-------|---------|-----------------------|---------|----------------------|------|
| STEGER TOWNE CROSSING             |       |         |                       |         |                      |      |
| F.M. 740 (RIDGE ROAD) AND I.H. 30 |       |         |                       |         |                      |      |
| CITY OF ROCKWALL, TEXAS           |       |         |                       |         |                      |      |
| LAWRENCE A. CATES & ASSOC., INC.  |       |         |                       |         | CONSULTING ENGINEERS |      |
| (214) 385-2272                    |       |         |                       |         | DALLAS, TEXAS        |      |
| DESIGN                            | DRAWN | DATE    | SCALE                 | CHECKED | FILE                 | NO.  |
| LAC                               | LAC   | 5/15/96 | H: 1"=40'<br>V: 1"=6' | D.P.    | 95057                | C-17 |