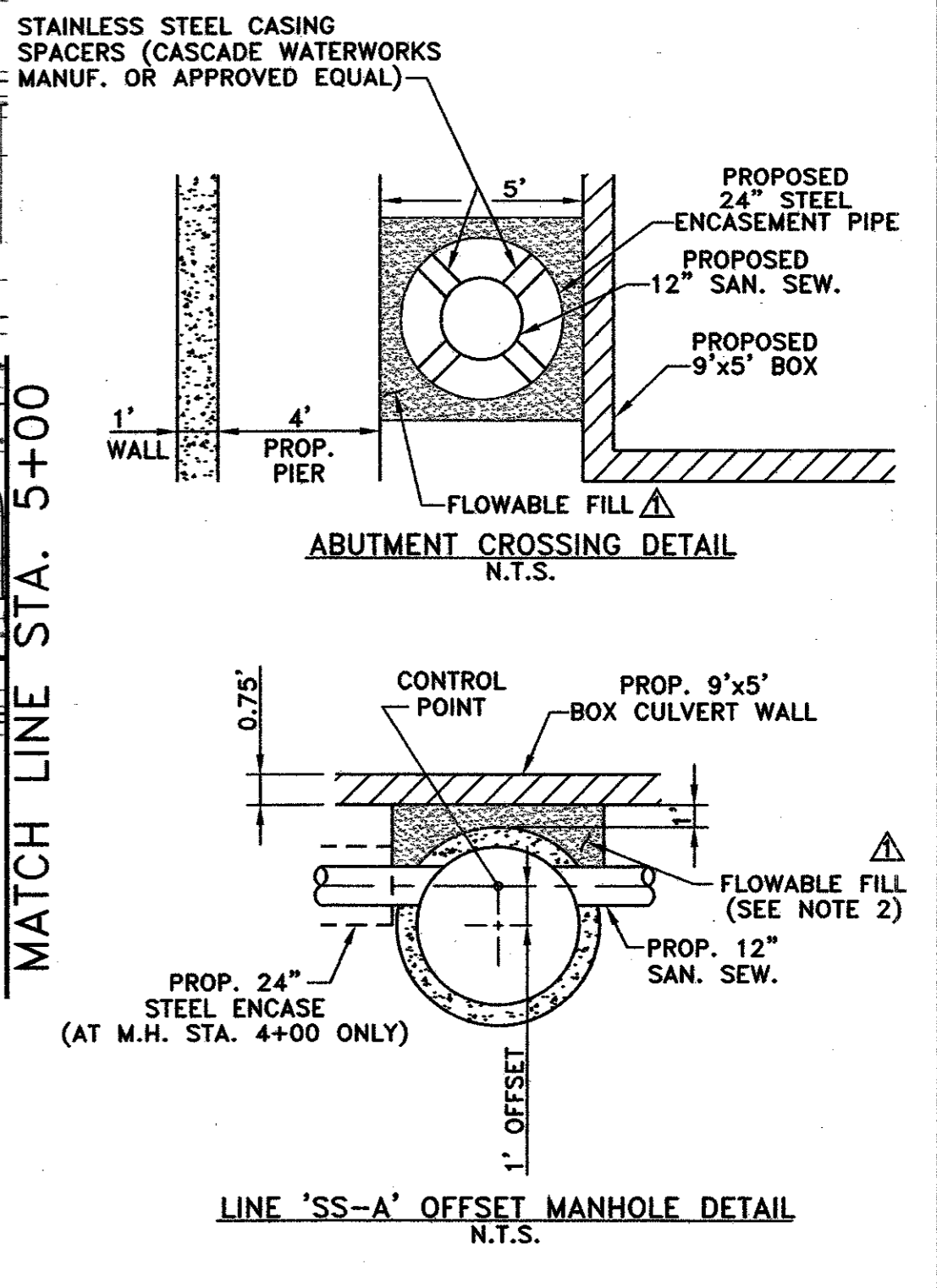
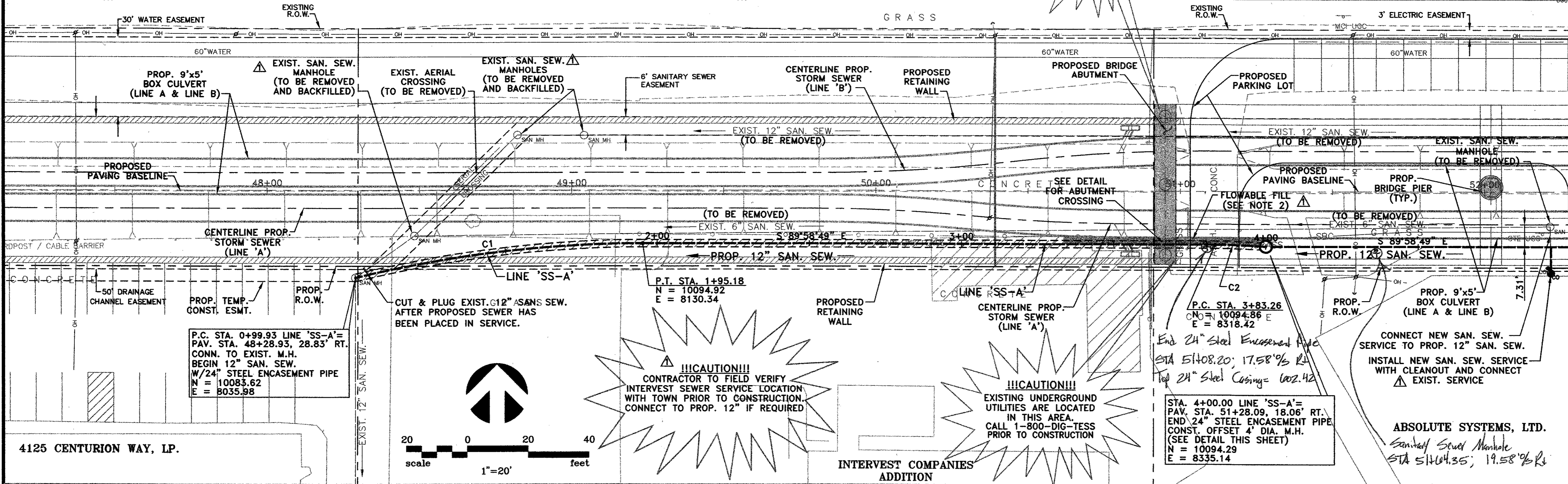


| NO. | DATE     | REVISION  | APPROV. |
|-----|----------|-----------|---------|
| 1   | 06/01/04 | ADD NOTES | A.K.C.  |
| 2   |          |           |         |
| 3   |          |           |         |

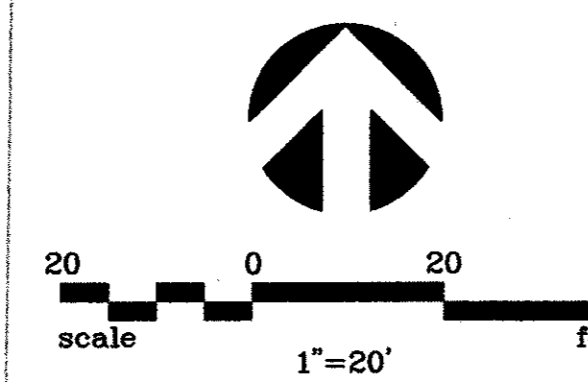
**SANITARY SEWER LINE 'SS-A' CURVE DATA:**

| NUMBER | RADIUS  | DELTA     | ARC LENGTH | CHORD BEARING | CHORD LENGTH |
|--------|---------|-----------|------------|---------------|--------------|
| C1     | 400.00' | 13°38'39" | 95.25'     | N 83°11'52" E | 95.03'       |
| C2     | 250.00' | 03°50'09" | 16.74'     | S 88°03'44" E | 16.73'       |

**DALLAS AREA RAPID TRANSIT  
PROPERTY ACQUISITION CORPORATION**



P.C. STA. 0+99.93 LINE 'SS-A'=  
PAV. STA. 48+28.93, 28.83' RT.  
CONN. TO EXIST. M.H.  
BEGIN 12" SAN. SEW.  
W/24" STEEL ENCASEMENT PIPE  
N = 10083.62  
E = 8035.98



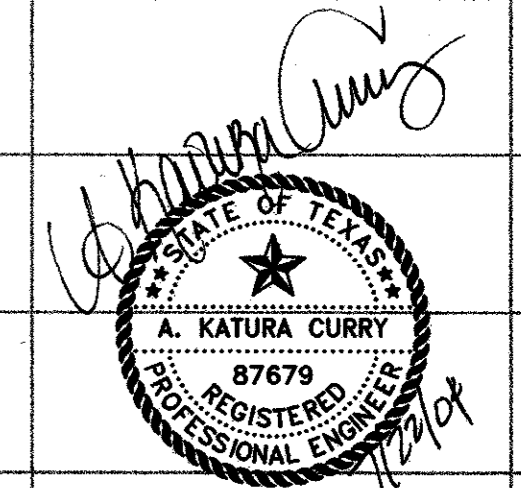
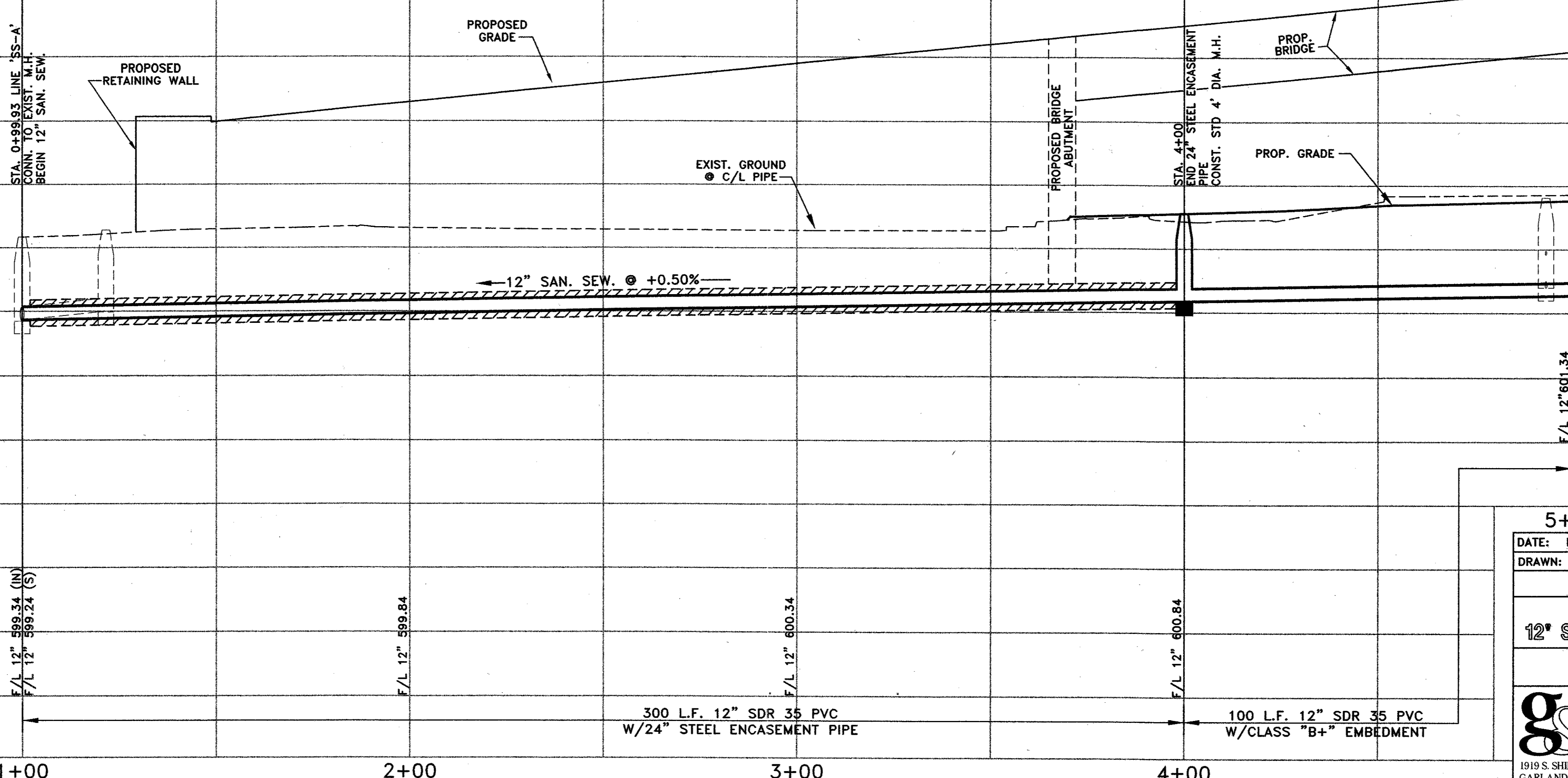
**!!!CAUTION!!!**  
CONTRACTOR TO FIELD VERIFY  
INTERVEST SEWER SERVICE LOCATION  
WITH TOWN PRIOR TO CONSTRUCTION.  
CONNECT TO PROP. 12" IF REQUIRED

**!!!CAUTION!!!**  
EXISTING UNDERGROUND  
UTILITIES ARE LOCATED  
IN THIS AREA.  
CALL 1-800-DIG-TESS  
PRIOR TO CONSTRUCTION

P.C. STA. 3+83.26  
C.N. = 10094.86  
E = 8318.42  
End 24" Steel Encasement Pipe  
STA 51+08.20; 17.58' 1/2 R  
Top 24" Steel Casings = 1002.42

**ABSOLUTE SYSTEMS, LTD.**  
Sanitary Sewer Manhole  
STA 51+04.35; 19.58' 1/2 R

- NOTES:**
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL UNDERGROUND UTILITIES. CALL 1-800-DIG-TESS PRIOR TO EXCAVATION.
  - CONTRACTOR SHALL INSTALL FLOWABLE FILL BETWEEN LINE 'SS-A' AND BOX CULVERT FROM STA. 3+30 TO STA. 4+05 AND BETWEEN LINE 'SS-A' AND ALL BRIDGE ABUTMENT PIERS, AND OTHER NOTED LOCATIONS. (NO SEPARATE PAY ITEM)
  - CONTRACTOR SHALL COORDINATE WITH TOWN STAFF TO FIELD LOCATE ALL EXISTING SANITARY SEWER SERVICE LOCATIONS AND SIZE PRIOR TO CONSTRUCTION. ALL NEW AND EXPOSED EXISTING SANITARY SEWER SERVICE LINES SHALL BE INSPECTED FOR CONDITION PRIOR TO BACKFILL WITH CEMENT STABILIZED SAND. (NO SEPARATE PAY ITEM)
  - CONTRACTOR SHALL REPLACE ALL EXISTING SANITARY SEWER SERVICES INSIDE PROPOSED R.O.W. AND INSTALL NEW SEWER SERVICE TO MATCH EXISTING SIZE WITH NEW CLEANOUT.
  - ALL MANHOLES TO BE REMOVED SHALL BE BACKFILLED WITH CEMENT STABILIZED SAND (NO SEPARATED PAY FOR BACKFILL)
  - NO SEPARATE PAY ITEM FOR PLUGGING EXISTING SANITARY SEWER LINES/SERVICES AS SHOWN ON THE PLANS.
  - STAINLESS STEEL CASING SPACERS SHALL BE USED IN STEEL ENCASEMENT PIPE PER ABUTMENT CROSSING DETAIL.



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY:  
A. KATURA CURRY  
ON 7-21-04.  
ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.

|   |                          |  |
|---|--------------------------|--|
| DATE: FEBRUARY 2004   | SCALE: 1"=20'(H)1"=6'(V) | JOB NO.: 02-320                              |
| DRAWN: G&A  | DESIGN: AKC              | REVIEWED: BRG                                |
| <b>ARAPAHO ROAD PHASE III</b>                               |                          |  |
| PLAN & PROFILE  |                          |  |
| <b>12" SANITARY SEWER - STA. 1+00 TO STA. 5+00</b>          |                          |  |
| <b>TOWN OF ADDISON</b>                                      |                          |  |
| <b>g&amp;a</b> Grantham & Associates, Inc.                  |                          | SHT. SS-1                                    |
| 1919 S. SHILOH ROAD, SUITE 310, L.B. 8 GARLAND, TEXAS 75042 |                          | (972) 864-2333 (TEL)<br>(972) 864-2334 (FAX) |