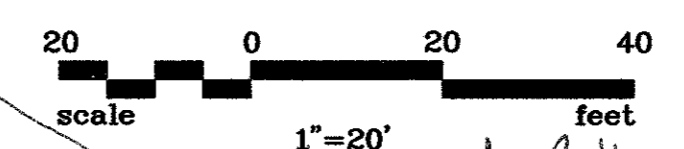
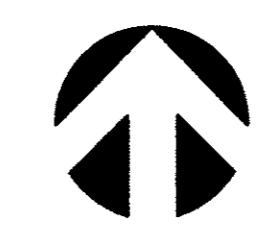


NO.	DATE	REVISION	APPROV.
1	06/28/04	REVISED PER ADDENDA	A.K.C.
2	06/28/04	REVISED PER G & A	A.K.C.
3			



- STORM SEWER NOTES:**
- PRE-CAST OR CAST-IN-PLACE BOX CULVERTS CAN BE USED ON THIS PROJECT.
 - ALL BOX CULVERTS AND HEADWALLS/WINGWALLS PER TEXAS DEPARTMENT OF TRANSPORTATION (TXDOT) DETAILS, UNLESS OTHERWISE NOTED.
 - ALL CONNECTIONS SHALL BE PRE-CAST OR CAST-IN-PLACE AND GROUTED.
 - ALL GRADING SHOWN ON STORM WATER PLANS IS ROUGH GRADING. FINAL GRADES FOR ALL SIDEWALKS, TRAILS, LANDSCAPE FEATURES, AND PARKING LOTS SHALL BE AS SHOWN ON LANDSCAPE PLANS AND PARKING LOT GRADING PLANS. CAUTION: CONTRACTOR SHALL MEET ALL ABA STANDARDS FOR TRAILS AND PARKING.
 - CONTRACTOR SHALL REFER TO STREETScape PLANS FOR DETAILED GRADING.
 - BETWEEN SURVEYOR BLVD. AND STA. 14+00 ON LINE A AND LINE B, WHERE THE BOX CULVERTS ARE IMMEDIATELY ADJACENT TO ONE ANOTHER, A MINIMUM SEPARATION OF 6 INCHES SHALL BE PROVIDED BETWEEN BOX WALLS. THIS SPACE SHALL BE BACKFILLED WITH CEMENT STABILIZED SAND IN ACCORDANCE WITH TXDOT STANDARDS.
 - ALL PIPE TO BOX CONNECTIONS SHALL BE MADE IN ACCORDANCE WITH TXDOT STANDARDS.
 - CONTRACTOR TO FIELD VERIFY ALL EXISTING STORM SEWER FLOWLINES PRIOR TO INSTALLING NEW STORM SEWER. CONTACT ENGINEER IF DISCREPANCY IS FOUND WITH PLANS.
 - CONTRACTOR TO INSTALL TXDOT BOX CULVERT TYPE TO MATCH COVER OVER BOX. DIRECT BURY BOX REQUIRED WHERE COVER IS LESS THAN 2 FEET (E.G. UNDER SURVEYOR).
 - CONTRACTOR TO GRADE AROUND ALL "Y"-INLETS AND GRATE INLETS TO PROVIDE POSITIVE DRAINAGE TO INLET. CONTACT ENGINEER PRIOR TO INSTALLING INLET TOP IF CHANGE IN THROAT OR GRATE ELEVATION IS REQUIRED.

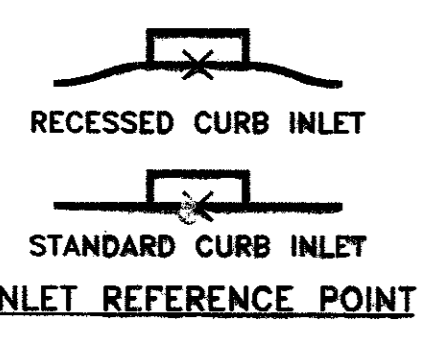
Conduit #7 As Built

Loc	STA	9/5	Top Conduit Elev
①	35182.14	60.8544	595.66
②	35191.42	54.6244	595.72
③	35193.20	53.7244	585.13
④	36151.79	54.1244	580.38
⑤	36161.63	54.1844	596.22

LAT. 'D-1' CURVE DATA

NUMBER	RADIUS	DELTA	ARC LENGTH	CHORD BEARING	CHORD LENGTH
C1	100'	30°02'53"	52.44'	S 44°26'44" E	51.84'

CAUTION!!!
UNDERGROUND GAS & TELEPHONE PRESENT IN THIS AREA. CALL 1-800-BIG-TESS PRIOR TO CONSTRUCTION

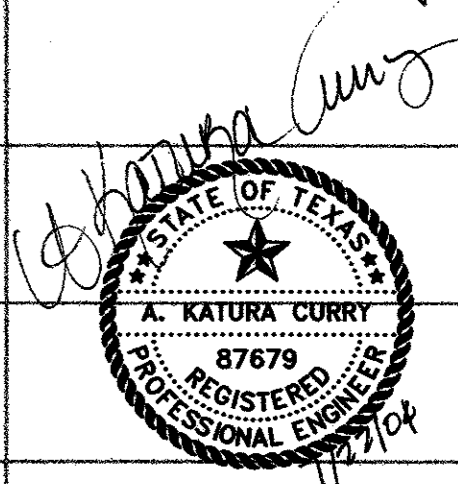
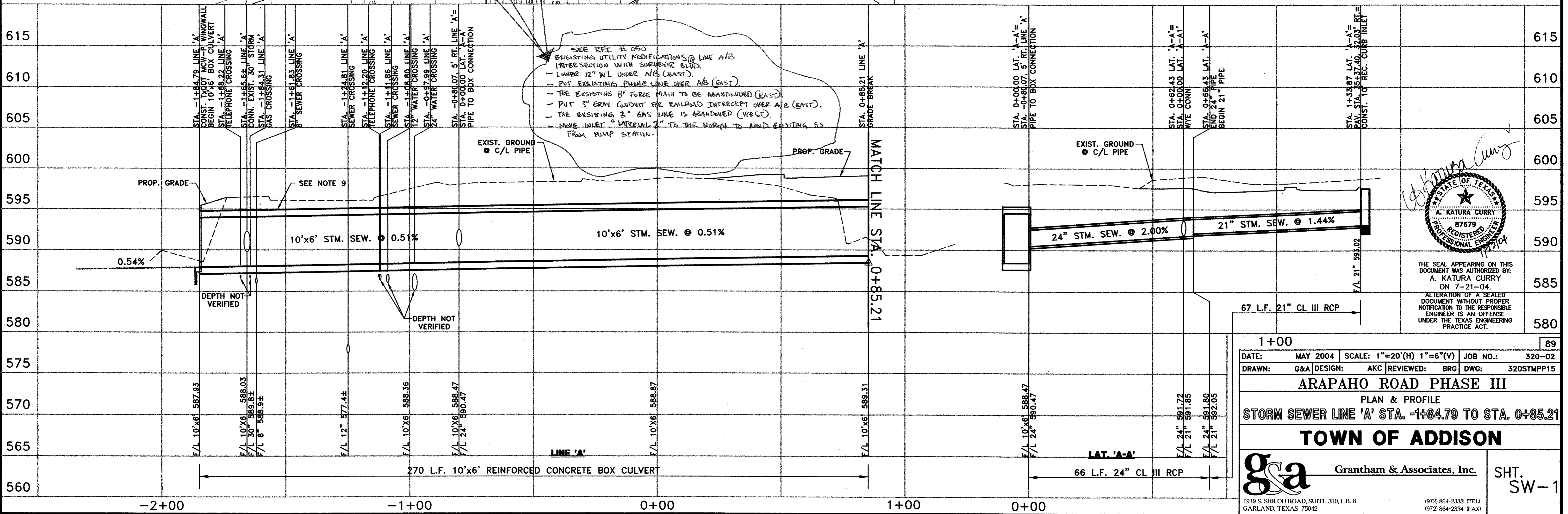


LEGEND

- CONCRETE PAVEMENT REMOVE/REPLACE MATCH EXIST.
- CONCRETE DRIVE REMOVE/REPLACE MATCH EXIST.

CAUTION!!!
CONTRACTOR TO FIELD VERIFY DEPTHS OF ALL UTILITIES CROSSING SURVEYOR CULVERTS PRIOR TO INSTALLATION. CONTACT ENGINEER IF CONFLICT

SEE RFI # 027 (SEE SHEET # 21a)
GRADED PIPE 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.

1+00 89

DATE: MAY 2004 SCALE: 1"=20'(H) 1"=6'(V) JOB NO.: 320-02
 DRAWN: G&A DESIGN: AKC REVIEWED: BRG DWG: 320STMP15

ARAPAHO ROAD PHASE III
 PLAN & PROFILE
STORM SEWER LINE 'A' STA. -1+84.79 TO STA. 0+85.21

TOWN OF ADDISON

G&A Grantham & Associates, Inc. SHT. SW-1

1919 S. SHILOH ROAD, SUITE 310, L.B. 8 GARLAND, TEXAS 75042 (972) 864-2333 (TEL) (972) 864-2334 (FAX)