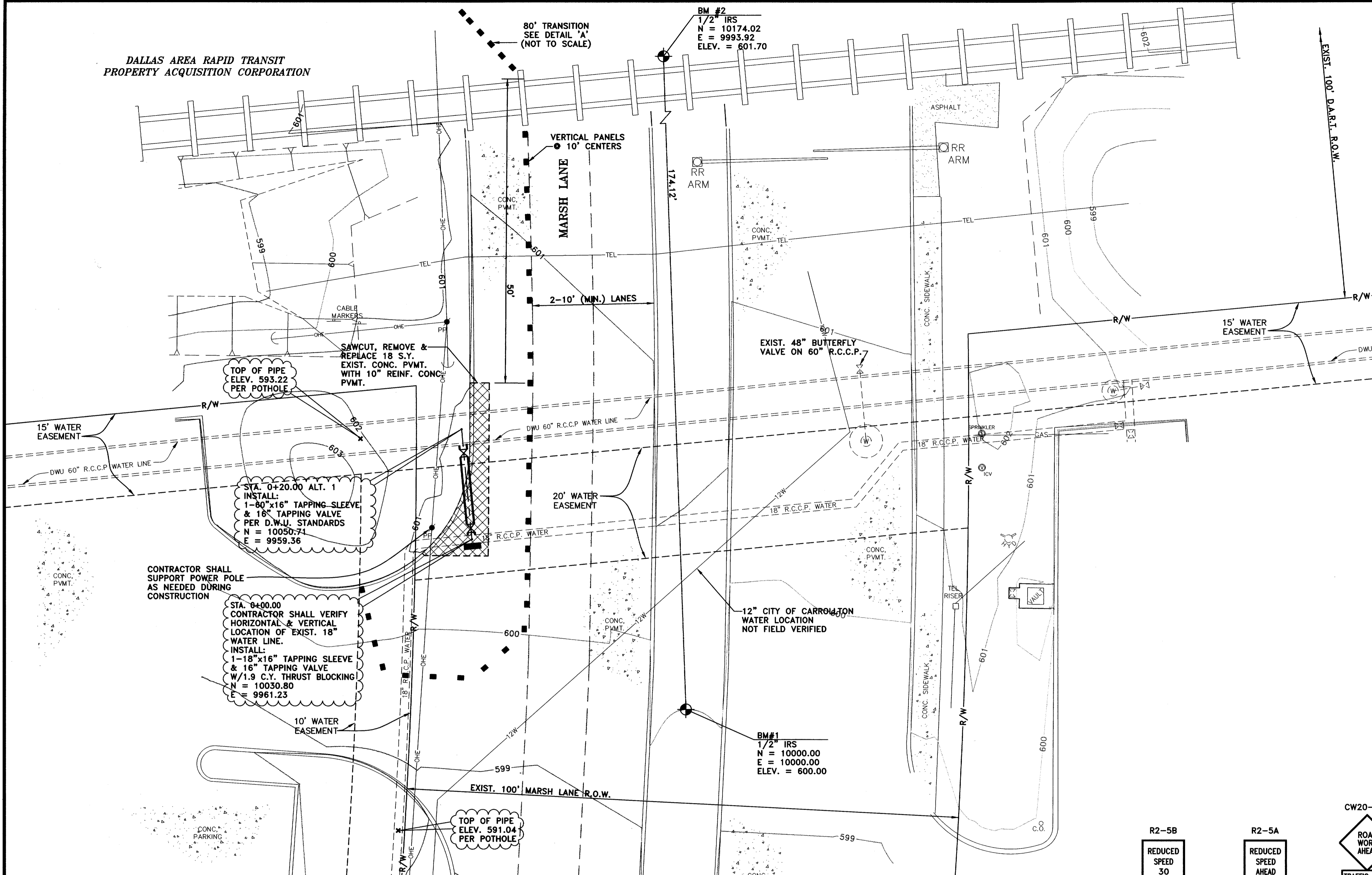
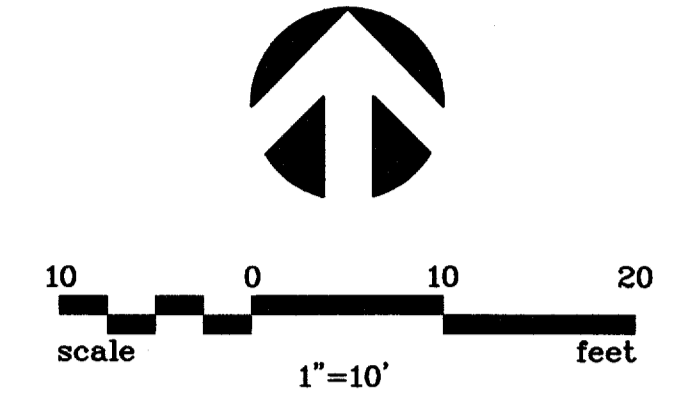


DALLAS AREA RAPID TRANSIT
PROPERTY ACQUISITION CORPORATION

NO.	DATE	REVISION	APPROV.
1			
2			
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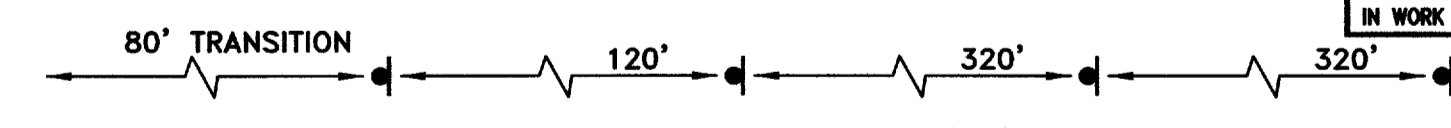
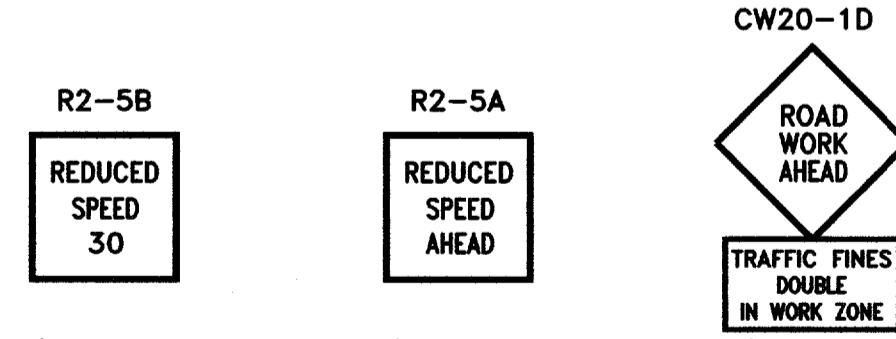
STA. 0+20.00 ALT. 1
INSTALL:
1-80"x16" TAPPING SLEEVE
& 16" TAPPING VALVE
PER D.W.U. STANDARDS
N = 10050.71
E = 9959.36

CONTRACTOR SHALL VERIFY
HORIZONTAL & VERTICAL
LOCATION OF EXIST. 18" WATER LINE.
INSTALL:
1-18"x16" TAPPING SLEEVE
& 16" TAPPING VALVE
W/1.9 C.Y. THRUST BLOCKING
N = 10030.80
E = 9961.23

TOP OF PIPE
ELEV. 591.04
PER POTHOLE

BM#1
1/2" IRS
N = 10000.00
E = 10000.00
ELEV. = 600.00

STA. 0+00.00 INSTALL: 1-18"x16" TAPPING SLEEVE & 16" TAPPING VALVE	615
STA. 0+20.00 INSTALL: 1-80"x16" TAPPING SLEEVE & 16" TAPPING VALVE PER D.W.U. STANDARDS	610
EXIST. GROUND ● C/L PIPE	605
	600
	595
16" R.C.C.P. ● 0.25%	590
20 L.F. 16" R.C.C.P. W/ CLASS 'C' EMBEDMENT	585
F/L 18" 589.54 F/L 16" 589.61	580
F/L 16" 589.85 F/L 60" 587.81	575
0+00	



DETAIL "A"

GENERAL NOTES:

- The following municipalities have jurisdiction on this project:
Town of Addison - jurisdiction begins at the back of west curb of Marsh and extends east.
City of Carrollton - jurisdiction begins at the back of west curb of Marsh and extends west.
Dallas Water Utilities - Owner and operator of the 60" and 18" water lines.
- All construction to be in accordance with the standards and specifications set forth by Dallas Water Utilities, the Town of Addison, and NCTCOG. In the event of a conflict, DWU standards shall govern regarding the waterline construction and Town of Addison shall govern regarding the pavement construction.
- This work is being performed in conjunction with the Arapaho Road Phase 3 project for the Town of Addison; therefore, all work shall adhere to the contract documents for the above mentioned project. These are available from the Town of Addison or the engineer.
- This project is on an independent control system. The benchmarks provided on this sheet are not tied to any City survey control.
- These plans do not extend to or include designs or systems pertaining to the safety of the construction contractor or its employees, agent or representatives in performance of the work. The construction contractor shall prepare or obtain the appropriate safety systems, including but not limited to trench safety, including the plans and specifications.
- The Contractor shall call 1-800-DIG-TESS 48 hours prior to excavation. The underground utility locations shown on these plans are approximate only.
- Contractor shall prepare and implement an erosion control plan.

WATER LINE CONSTRUCTION NOTES:

- Wet taps to be performed by Hanson Pipe or approved equal.
- Hanson Pipe or approved equal shall supply the tapping sleeve assembly and tapping service. The contractor shall supply all other necessary labor, excavation, thrust blocking, tapping valve and supports for the wet tap, per Hanson Pipe or approved equal specifications.
- The Contractor shall verify the horizontal/vertical location of the 18" water line.
- All bends, tees, valves, and tapping locations shall be thrust blocked per DWU standards.
- Testing and chlorination of the new water line will be performed by DWU.
- The contractor shall supply a blow-off and flush points for testing by DWU.
- Contractor shall submit a construction plan to the engineer and DWU for approval prior to construction.

PAVING & GRADING NOTES:

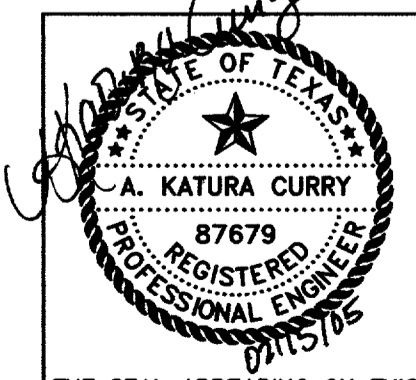
- All backfill shall be compacted to 95% standard proctor density. The contractor shall pay extra attention to Item 504 "Open Cut Backfill" of the NCTCOG specifications.

CONSTRUCTION SCHEDULE:

- Wet tap is scheduled to be performed between February 24th and 26th.
- Construction of all aspects of the project must be completed by March 1, 2005.

TRAFFIC CONTROL NOTES:

- The Contractor shall be responsible for public safety during construction and will provide the necessary traffic barricades and warning signage to protect the construction site. All barricades, warning signs, lights, devices, etc. for the guidance and protection of traffic and pedestrians must conform to the 2003 Texas Manual of Uniform Traffic Control Devices, as currently amended, by the Texas Department of Transportation.



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY:
A. KATURA CURRY
ON 2-15-05.
ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.

RECORD DRAWING 2/15/05
DATE: JANUARY 2005 SCALE: 1"=10'(H)1"=6'(V) JOB NO.: 02-320
DRAWN: G&A DESIGN: AKC REVIEWED: BRG DWG: 320WATER01

ARAPAHO ROAD PHASE III
D.W.U./ FARMERS BRANCH
MARSH LANE 16" WATER MAIN INTERCONNECT
TOWN OF ADDISON

g&a Grantham & Associates, Inc. SHT. 1
1919 S. SHILOH ROAD, SUITE 310, L.B. 8 GARLAND, TEXAS 75042 (972) 864-2333 (TEL) (972) 864-2334 (FAX)
OF 1