







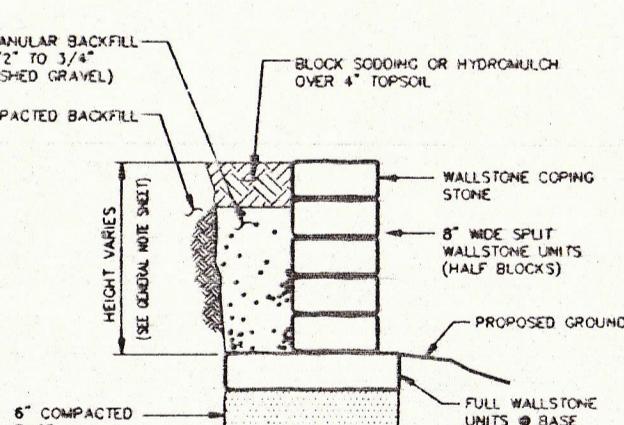


## SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
1.	Mobilization	L.S.	1
2.	Remove Existing Concrete Curb and Curb/Gutter	L.F.	560
3.	Remove Existing Concrete Sidewalk and Retaining Wall	S.Y.	285
4.	Cement Treated Base (6")	S.Y.	790
5.	Remove Existing Concrete Driveway Pavement	S.Y.	135
6.	Reinforced Concrete Pavement (8"-3600 PSI)	S.Y.	710
7.	Reinforced Concrete Sidewalk (4"-3000 PSI)	S.F.	2450
8.	Barricading, Signing and Traffic Handling	L.S.	1
9.	Concrete Integral Curb (6"-3600 PSI)	L.F.	520
10.	Unclassified Street Excavation	C.Y.	670
11.	Sawed Breakout Groove	L.F.	615
12.	Remove Existing Curb Inlet	EA.	1
13.	14" Recessed Curb Inlet	EA.	1
14.	21" Reinforced Concrete Pipe (RCP) (w/Concrete Collar)	L.F.	7
15.	6"x6" Reflective Jiggle Bars	EA.	90
16.	Relocate Existing Signs	EA.	1
17.	Adjust Top of Existing Water Valves	EA.	5
18.	Relocate Existing Fire Hydrant	EA.	1
19.	Right Turn Traffic Movement Pavement Markings	EA.	2
20.	Concrete Sidewalk Barrier-Free Ramp	EA.	3
21.	Irrigation Removal, Replacement, and Relocation Work	L.S.	1
22.	Landscape Improvements Including Removal of Existing Trees and Shrubs	L.S.	1

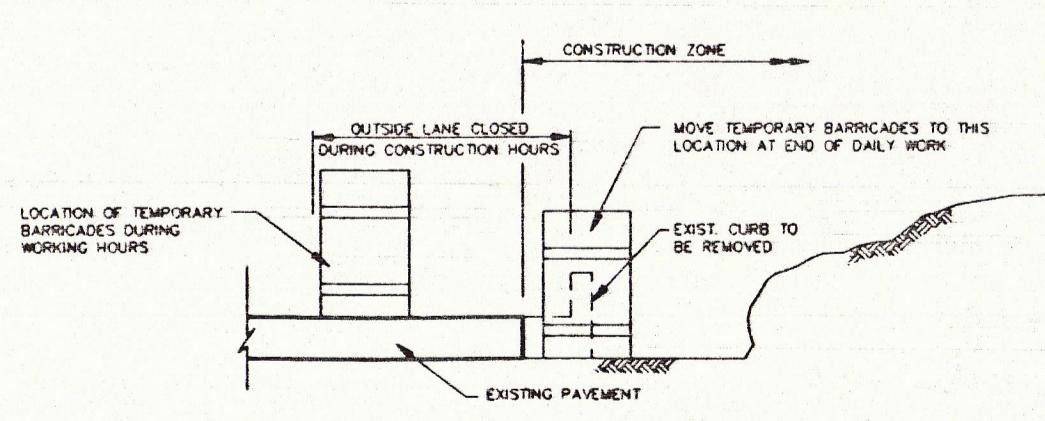
## CLARIFICATION OF PAY ITEMS

- Item No. 2 - Remove existing concrete curb and curb/gutter**  
Removal of existing concrete gutter on Belt Line Road shall be subsidiary to removal of existing concrete curb and curb/gutter. Measurement under this pay item shall be by the linear foot (L.F.) of curb removed.  
**Item No. 5 - Remove existing concrete sidewalk and retaining walls**  
Removal of existing retaining wall shall be subsidiary to concrete sidewalk removal. Measurement of the work performed under this pay item shall be by the square yard (S.Y.) of sidewalk removed.
- GENERAL NOTE:**  
Pay items provided are intended to be all-inclusive of the work required on this project. Work required by the plans or specifications but not provided with a specific pay item shall be considered incidental to other items of work.



TYPICAL RETAINING WALL SECTION  
TO BE INSTALLED BY OTHERS  
(NOT IN THIS CONTRACT)

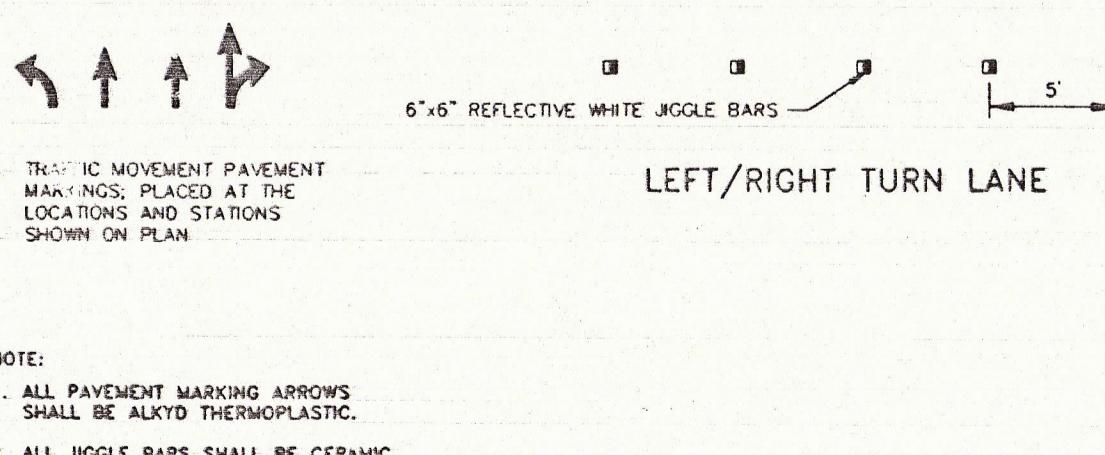
N.T.S.



BARRICADING DETAIL

N.T.S.

## PAVEMENT MARKING LEGEND



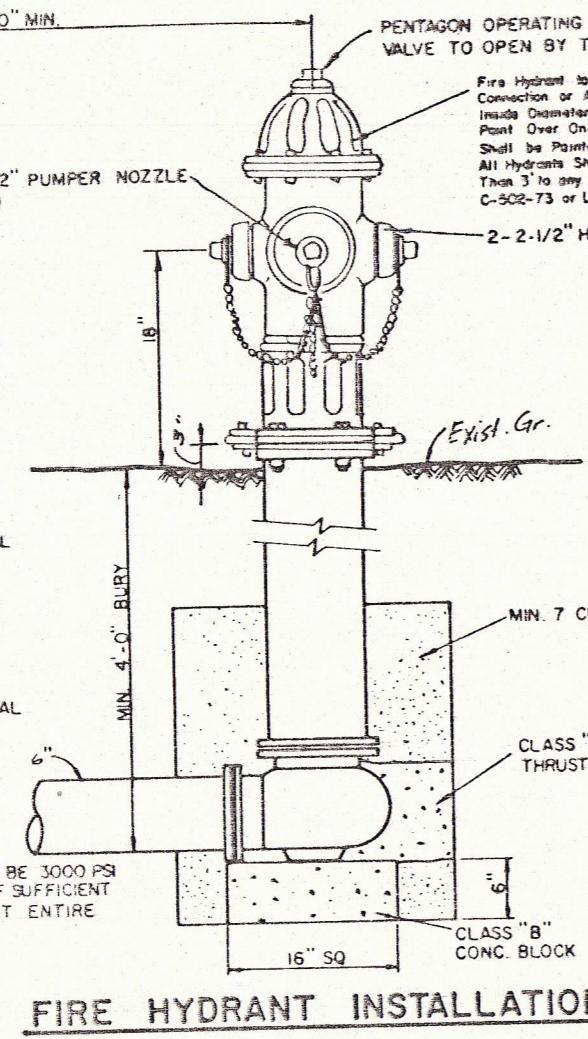
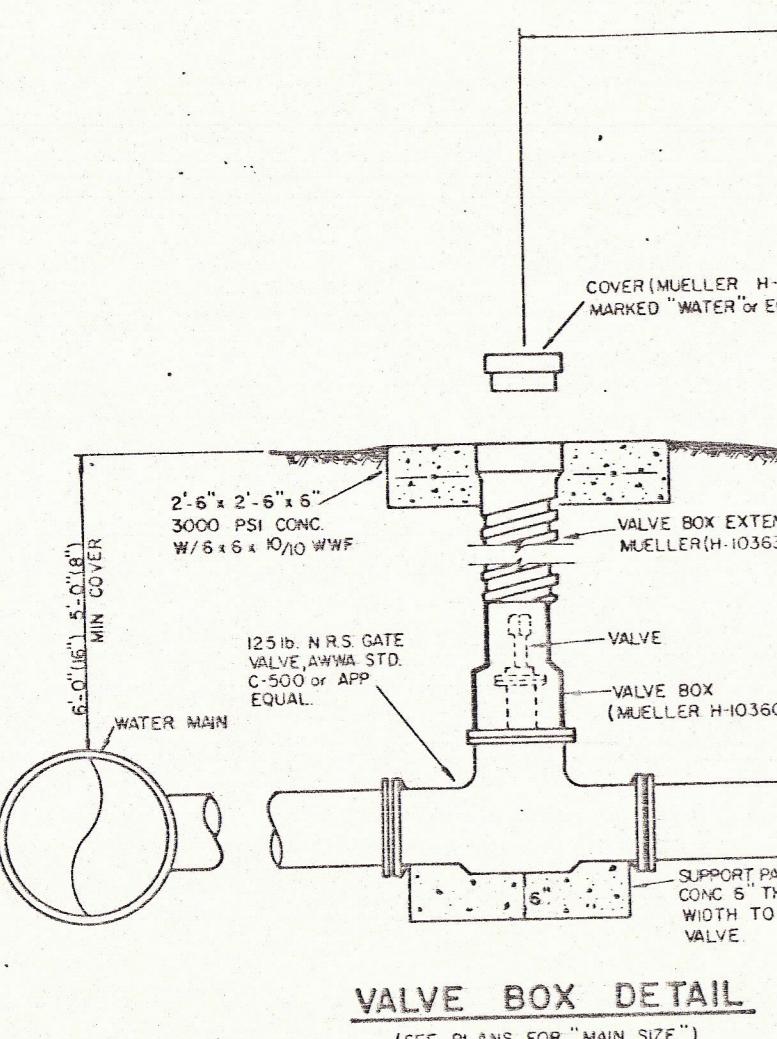
NO.	REVISION	BY	DATE	DESIGNED BY: M. RASTANDEH	DRAWN BY: EHBA	CHECKED BY: B. GRANTHAM	SCALE: AS NOTED	DATE: JANUARY 1995	FILE: ADDISON TOLLWAY QUANTITY
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**E&E**  
Engineering & Environmental Consultants, Inc.  
13800 Montfort Drive, Suite 230  
Dallas, Texas 75240  
(214) 387-0771



QUANTITIES AND GENERAL NOTES  
PAVING AND DRAINAGE IMPROVEMENTS  
BELT LINE ROAD AT DALLAS NORTH TOLLWAY  
for  
THE TOWN OF ADDISON

SHEET NO. 2  
OF 13 SHEETS  
JOB NO. 15224

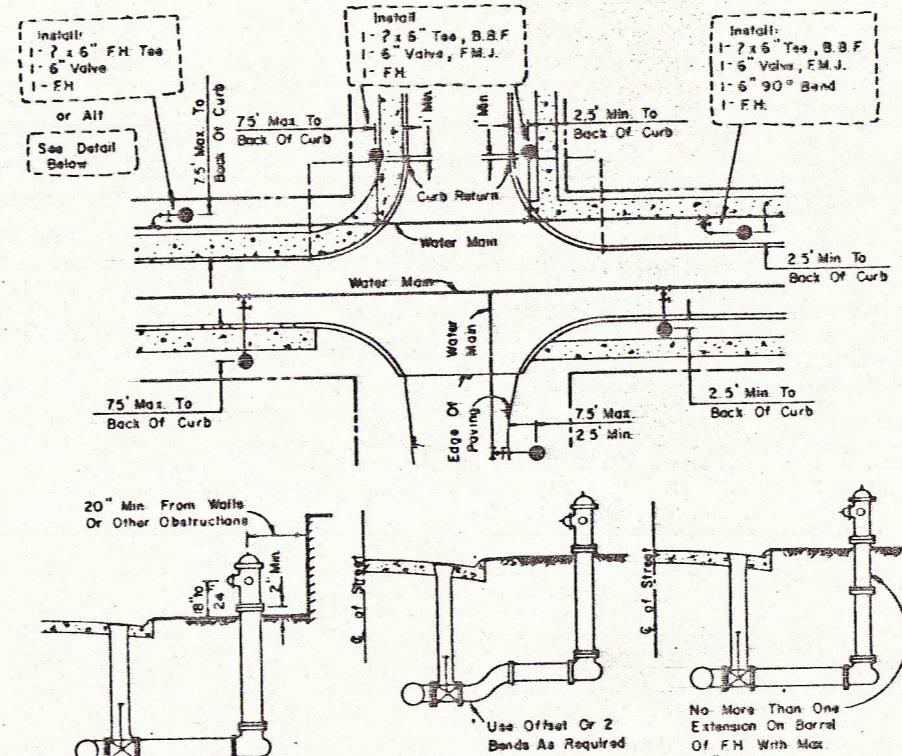


**VALVE BOX DETAIL**  
(SEE PLANS FOR "MAIN SIZE")

**GATE VALVES AND VALVE BOXES**

1. GATE VALVES SHALL BE IRON BODY, BRONZE OR BRASS MOUNTED, NON-RISING STEM PARALLEL SEAT TYPE VALVES SHALL BE OF EQUAL OR GREATER PRESSURE CLASS THAN THE PIPING IN WHICH THEY ARE TO BE INSTALLED.
2. VALVE BOXES SHALL BE CAST IRON AND SHALL BE OF SUFFICIENT LENGTH AND DIAMETER TO OPERATE ALL VALVES BURIED IN THE GROUND COVERS SHALL BE MARKED "WATER" THE BOXES SHALL REST ON THE VALVE AND BE ADJUSTED SO THAT THE COVER MAY BE SET FLUSH WITH THE FINISHED GRADE.

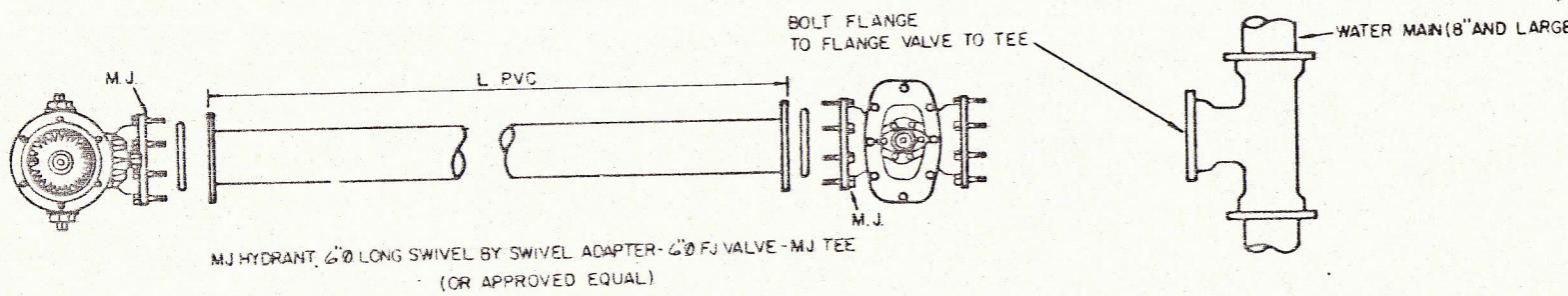
**FIRE HYDRANT INSTALLATION**  
(INCLUDES 6" VALVE)  
No Scale



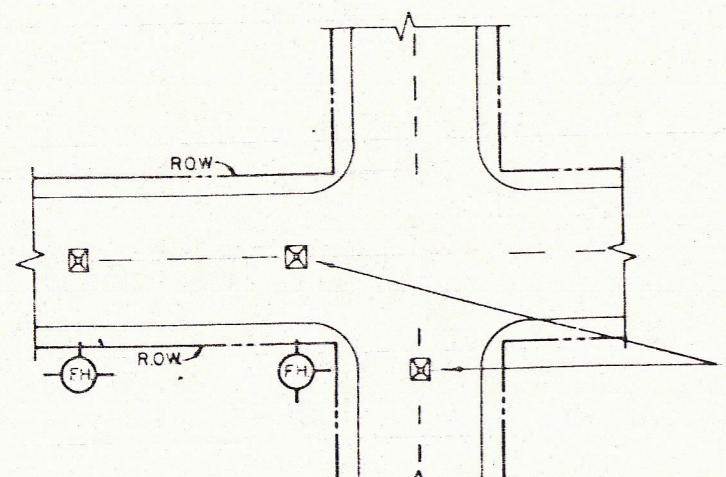
**ELEVATION VIEW OF FIRE HYDRANT**

**GENERAL NOTES**

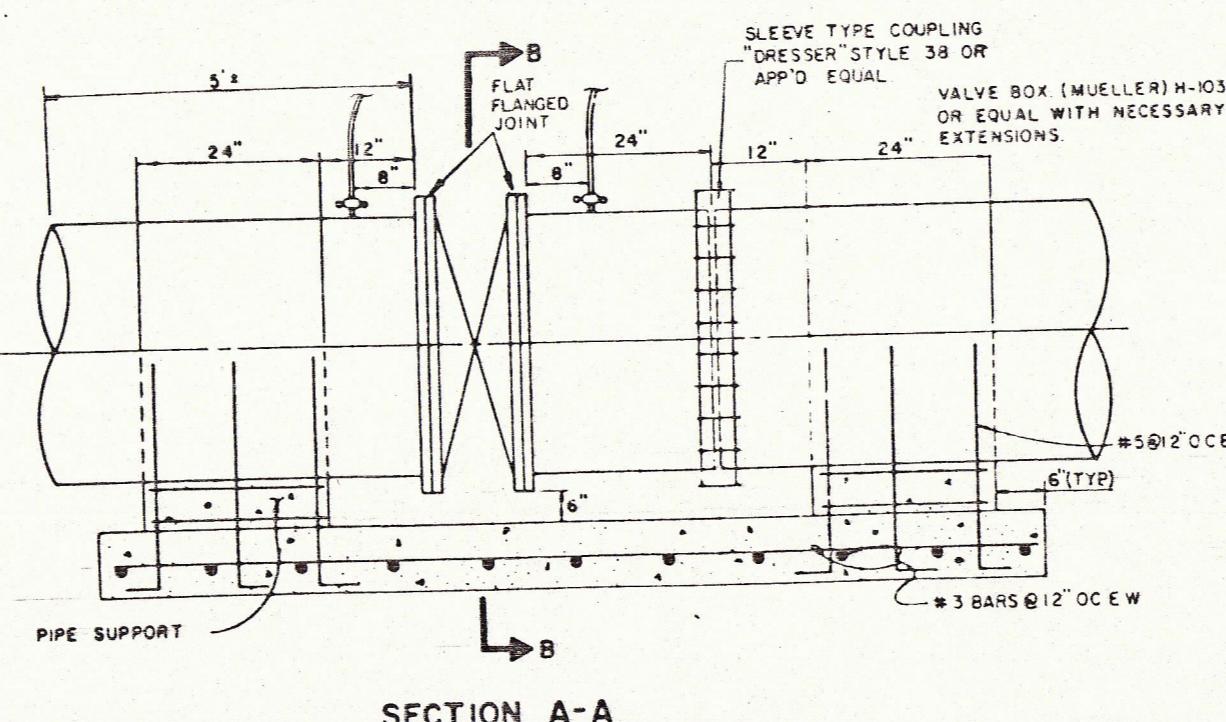
1. Q. Of FH. Barrel Shall Be Not Less Than 8.0' Or More Than 9.0' From Back Of Curb Or Edge Of Pavement.
2. Do Not Set FH In An Existing Or Proposed Street, Alley, Driveway, Otherwise Noted.
3. All FH. Tees Shall Be M.J. With Anchoring On The Branch With M.J., M.J. 6" Valve.
4. Set FH On The Lot Line Extended When Possible.
5. On Private Contracts, The Developers Engineered Water Supply Location B - Grade.
6. Never Place FH Where A Fire Truck Could Not Park Beside It.



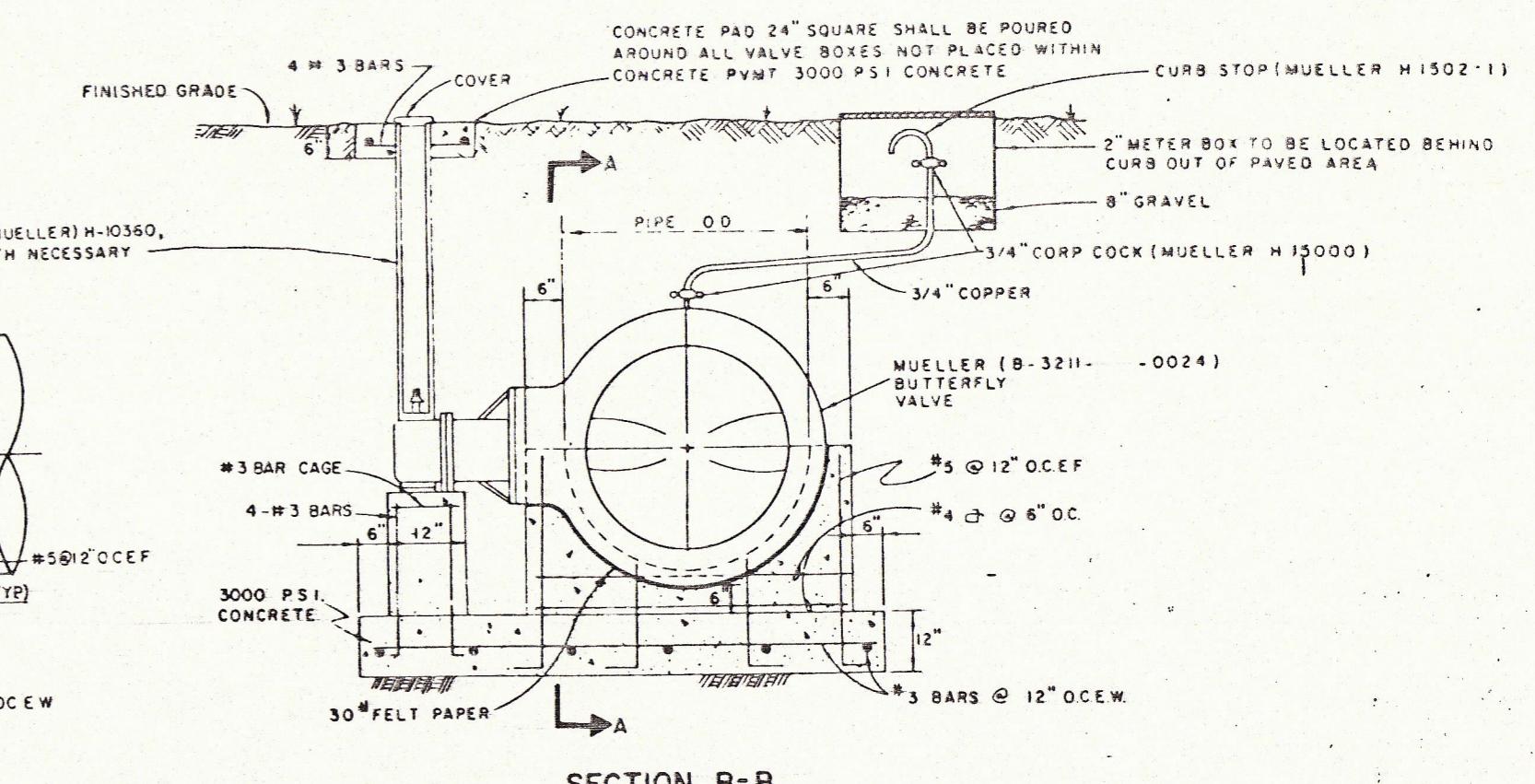
**TYPICAL FIRE HYDRANT INSTALLATION**



**TYPICAL FIRE HYDRANT REFLECTOR INSTALLATION**

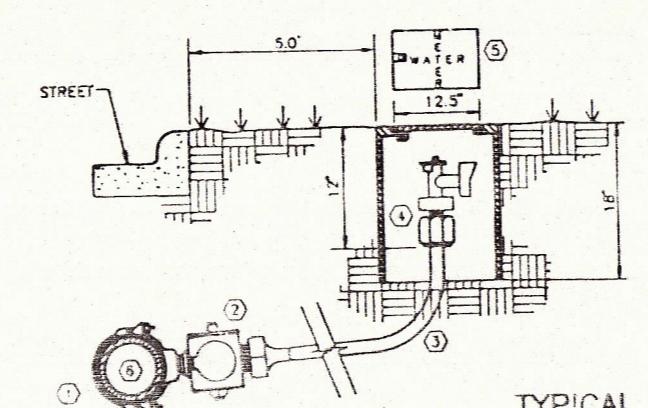


**SECTION A-A**



**SECTION B-B**

**BUTTERFLY VALVE DETAIL**



**TYPICAL WATER SERVICE DETAIL**

- ① DOUBLE STRAP BRONZE SADDLE W/CCW THREADS. MUELLER.
- ② CORPORATION STOP W/CCW THREADS. MUELLER. H-14258 COMPRESSION OR H-14255 FLARED.
- ③ WATER METER BOX (RECTANGULAR SHAPE ONLY)
- ④ CONCRETE OR METAL SHELL CONSTRUCTION.
- ⑤ 3/4" TYPE "X" SOFT COPPER W/NO SPLICES
- ⑥ MUELLER (B-3211-0024) BUTTERFLY VALVE.
- ⑦ #5 @ 12" OCEF.
- ⑧ #4 @ 6" O.C.
- ⑨ 30# FELT PAPER.

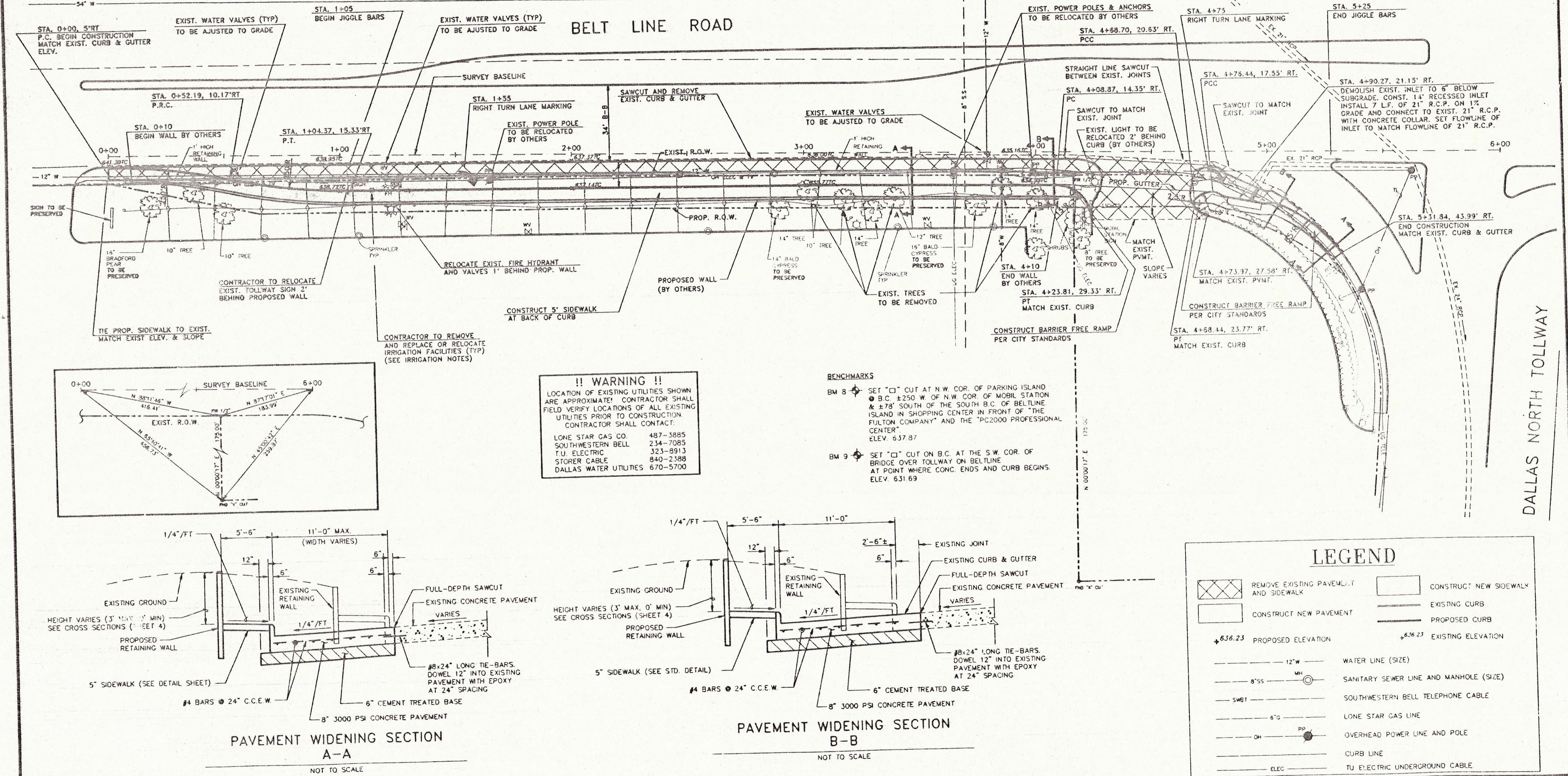
- ⑩ ANGLE STOP W/LOCK WING. MUELLER.
- ⑪ 3/4" PVC AMMA 2900 SDR 14/18 INTEGRAL WALL BELL.

TOWN OF ADDISON, TEXAS DEPARTMENT OF ENGINEERING				
STANDARD CONSTRUCTION DETAILS WATER				
FIRE HYDRANTS, PULL BOXES AND VALVES				
Design & -	Drawn -	Date - AUGUST, 1991	Job No. - 20025-3	
Approved -	Checked -	Sealed -	Sheet D-8 OF	C

**NOTES**

1. CONTRACTOR SHALL MATCH EXISTING PAVEMENT ELEVATION AT SAWCUT LINE.
2. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
3. ALL TREES SHALL BE REMOVED EXCEPT THOSE NOTED ON THIS PLAN TO BE PRESERVED. THE CONTRACTOR SHALL COORDINATE WITH THE TOWN OF ADDISON PRIOR TO THE REMOVAL OF ANY TREES.
4. THE CONTRACTOR SHALL PERFORM EXCAVATION TO THE BACK OF THE PROPOSED RETAINING WALL TO BE INSTALLED BY OTHERS.

20 0 20 40  
scale 1' = 20' feet

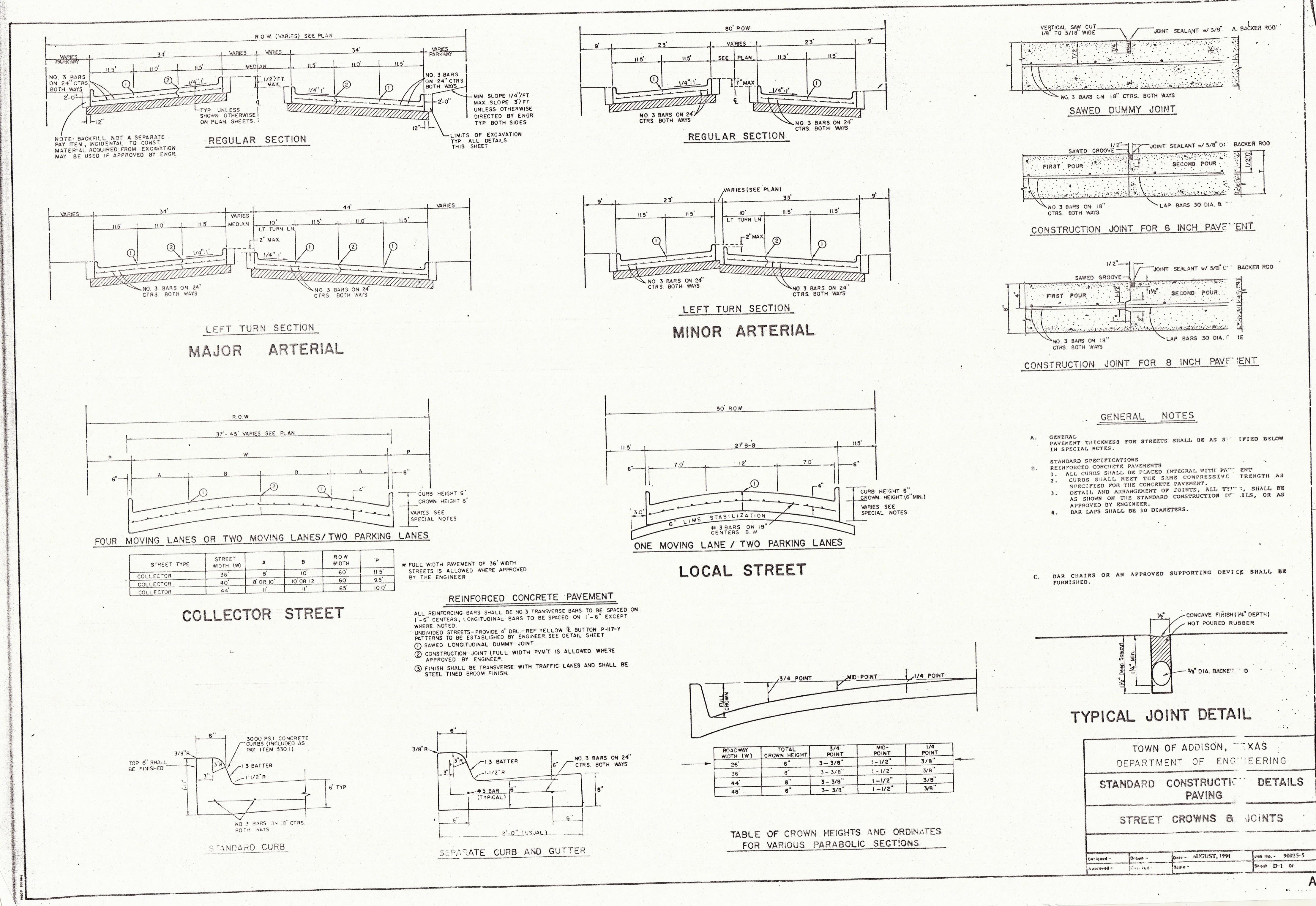


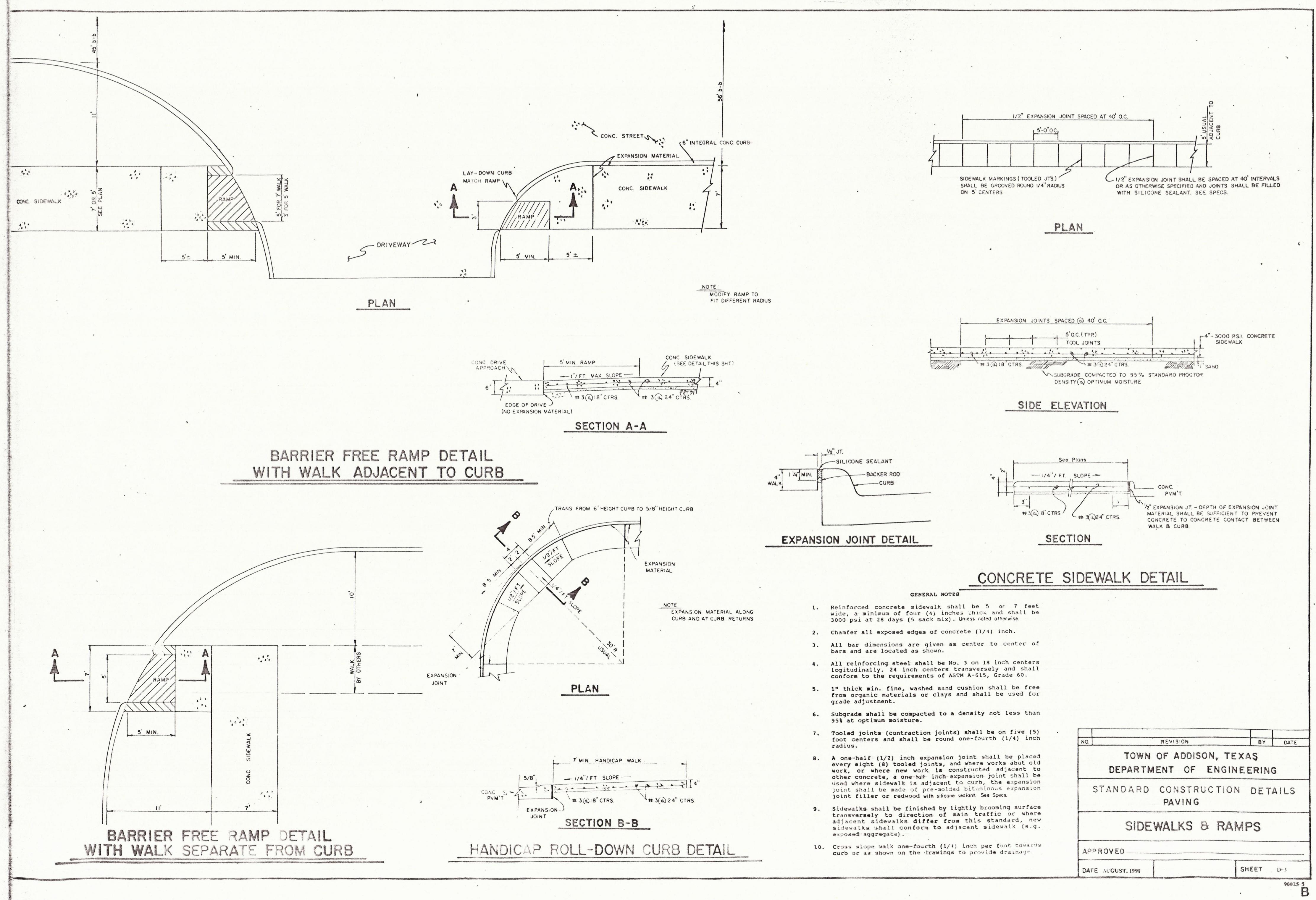
REVISION	BY DATE
NO.	
DESIGNED BY:	P. HELMS
DRAWN BY:	E&EA
CHECKED BY:	M. RASTANDEH
SCALE:	1' = 20'
DATE:	JANUARY 1995
FILE:	DOISON TO WAY PAVING



**PAVING PLAN**  
PAVING AND DRAINAGE IMPROVEMENTS  
BELT LINE ROAD AT DALLAS NORTH TOLLWAY  
for  
THE TOWN OF ADDISON

SHEET NO. 3  
OF 13 SHEETS  
JOB NO. 15224

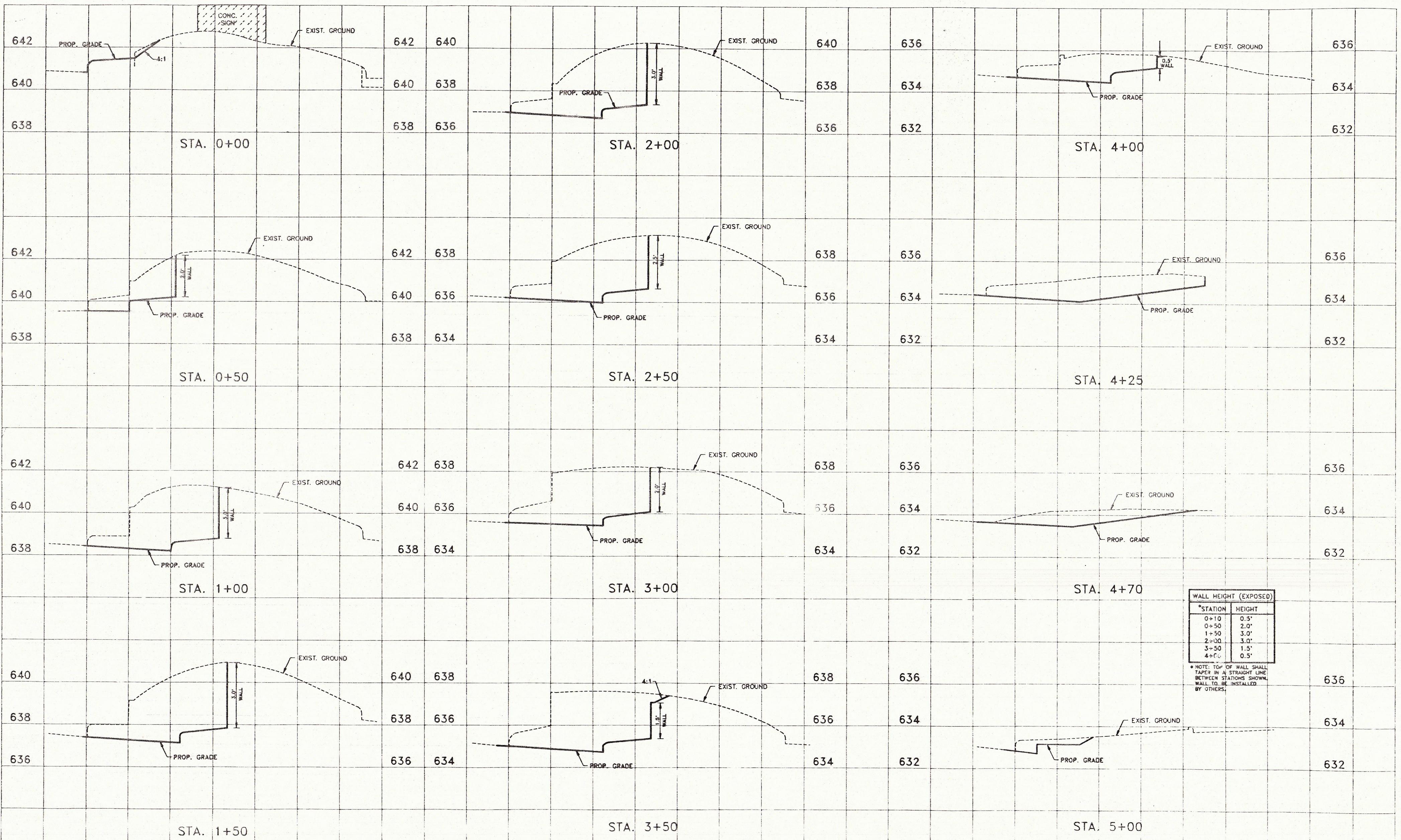










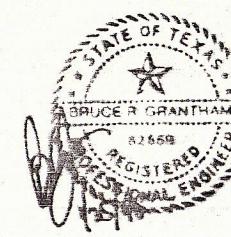


NO.	REVISION	BY	DATE

DESIGNED BY: EH&A  
 DRAWN BY: EH&A  
 CHECKED BY: R. GRANTHAM  
 SCALE: 1" = 50'-0"  
 DATE: JANUARY 1995  
 FILE: ADDISON TOLLWAY CROSS



**EPA**  
**Espoy, Huston & Associates, Inc.**  
 Engineering & Environmental Consultants  
 13800 Montford Drive, Suite 230  
 Dallas, Texas 75240 (214) 387-0771



#### CROSS SECTIONS

PAVING AND DRAINAGE IMPROVEMENTS  
 BELT LINE ROAD AT DALLAS NORTH TOLLWAY  
 for  
 THE TOWN OF ADDISON

SHEET NO. 4  
 OF 13 SHEETS  
 JOB NO. 15224