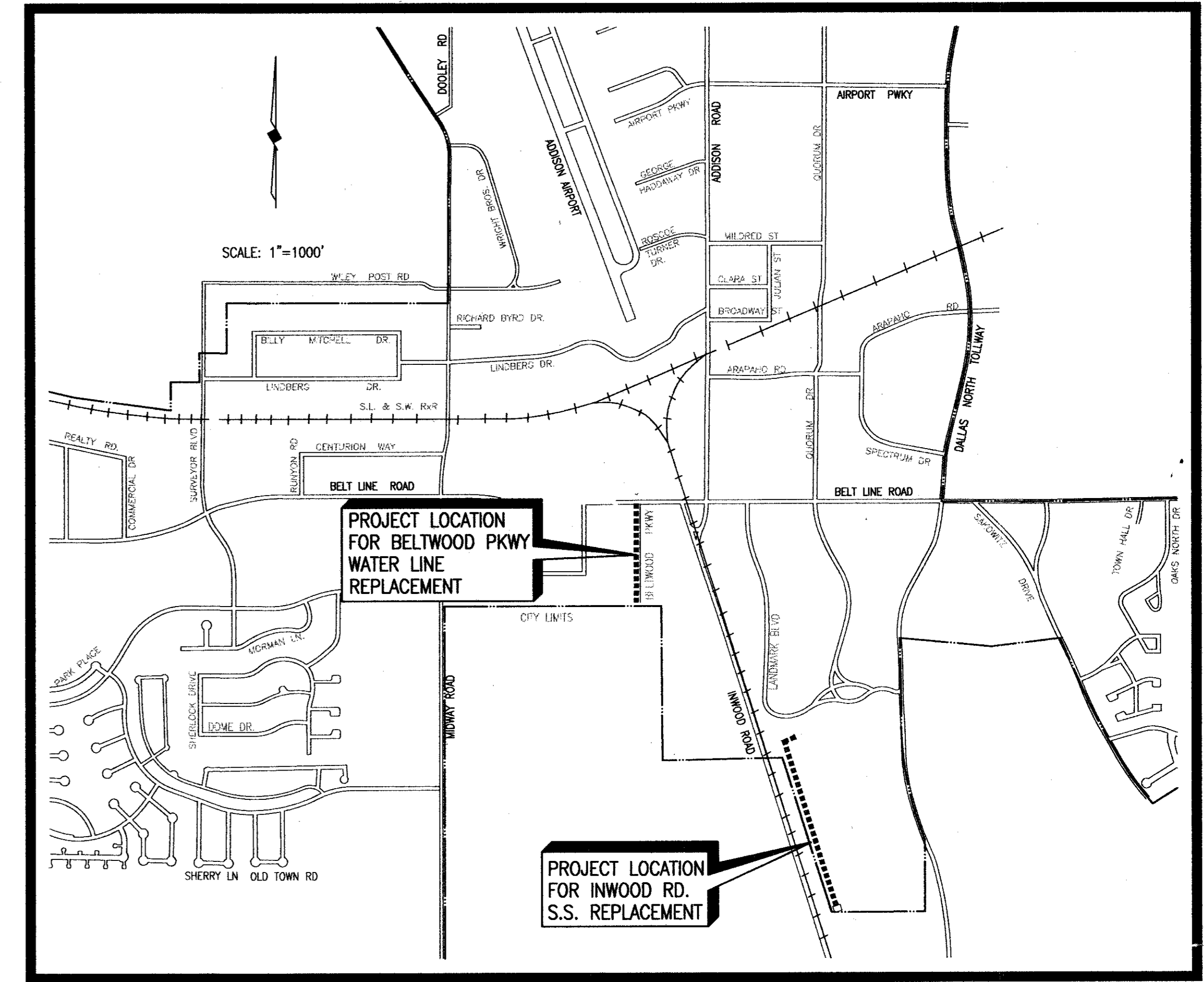


# TOWN OF ADDISON, TEXAS

CONSTRUCTION PLANS FOR

# BELTWOOD PARKWAY WATER LINE REPLACEMENT AND INWOOD ROAD SANITARY SEWER REPLACEMENT



## SHEET INDEX

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### CITY COUNCIL

RICHARD N. BECKERT, MAYOR  
ANN B. SUDDUTH, MAYOR PRO TEM  
GREGORY ROACH      ROBERT L. DOEPFNER  
RIK CREWS          MARY J. DOLAN  
SUSAN M. HALPERN

### CITY MANAGER

RON WHITEHEAD

### DIRECTOR OF PUBLIC WORKS

JOHN BAUMGARTNER, P.E.

### PUBLIC WORKS ENGINEER

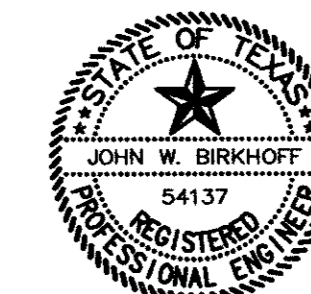
DAVID C. NIGHSWONGER, P.E.

### CITY SECRETARY

CARMEN MORAN

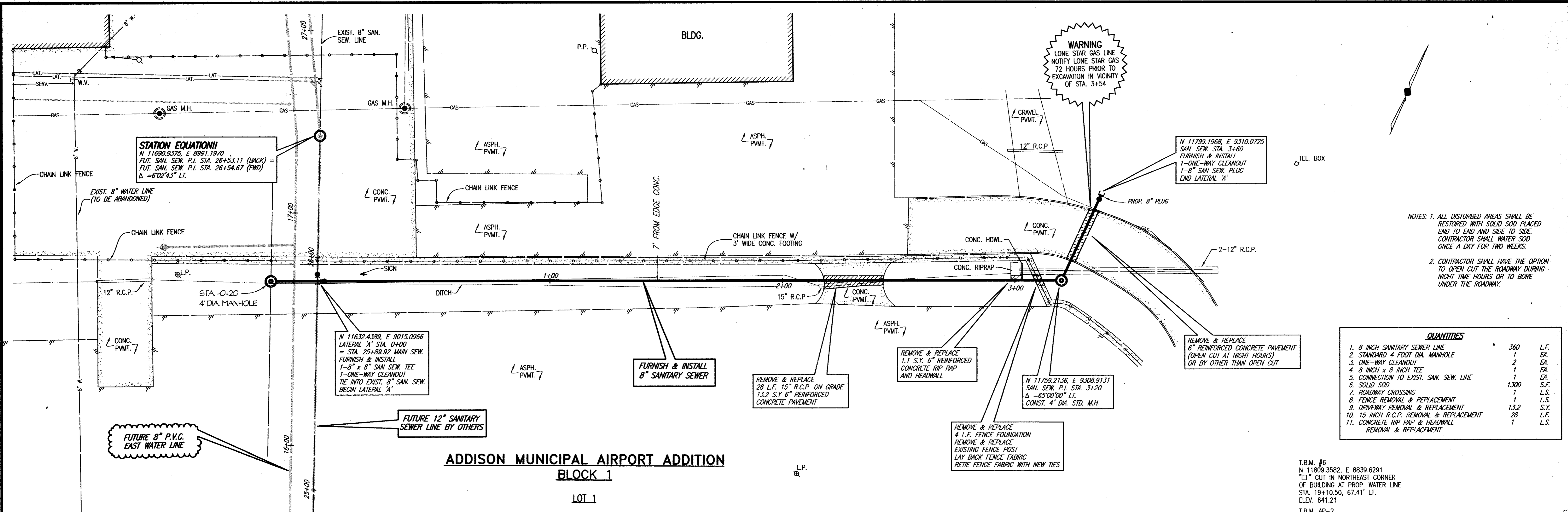
SHIMEK, JACOBS & FINKLEA, L.L.P.  
CONSULTING ENGINEERS  
Dallas, Texas

REVISED TO CONFORM  
TO CONSTRUCTION RECORDS  
BY JWB DATE 8/26/97



THESE DOCUMENTS ARE FOR  
BIDDING, CONSTRUCTION,  
AND PERMIT PURPOSES.  
*John W. Birkhoff*  
DATE: 11/20/96

NOVEMBER, 1996



**STATION EQUATION!!**  
 N 11890.9375, E 8991.1970  
 FUT. SAN. SEW. P.I. STA. 26+53.11 (BACK) =  
 FUT. SAN. SEW. P.I. STA. 26+54.67 (FWD)  
 $\Delta = 6'02.43$  LT.

**WARNING**  
 LONE STAR GAS LINE  
 NOTIFY LONE STAR GAS  
 72 HOURS PRIOR TO  
 EXCAVATION IN VICINITY  
 OF STA. 3+54

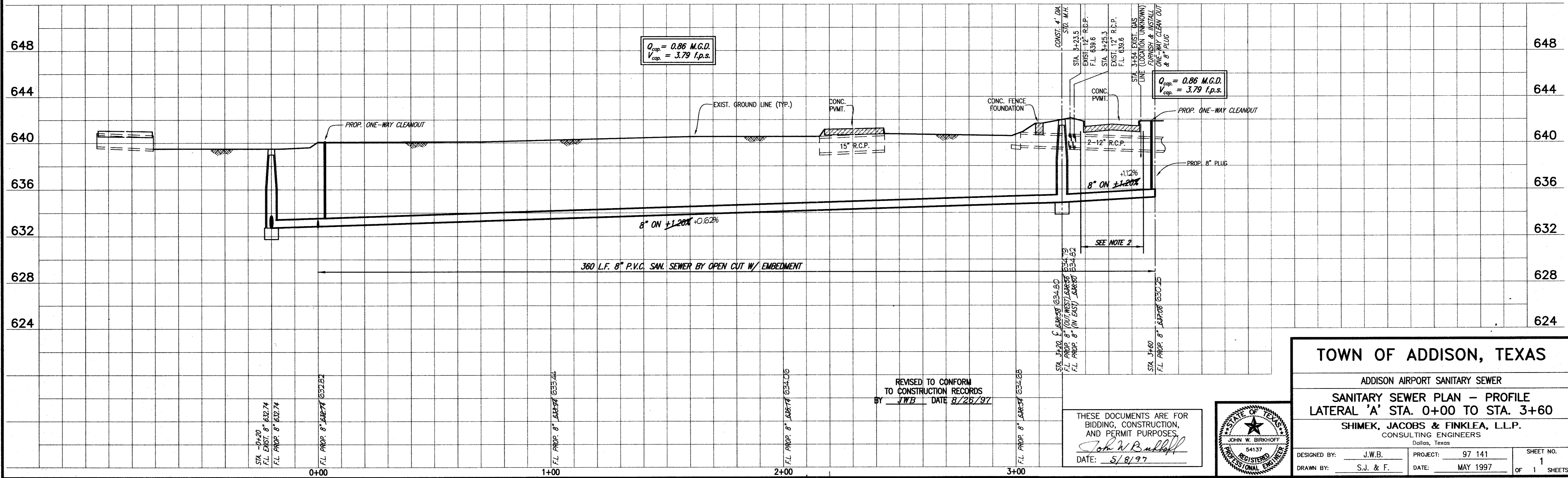
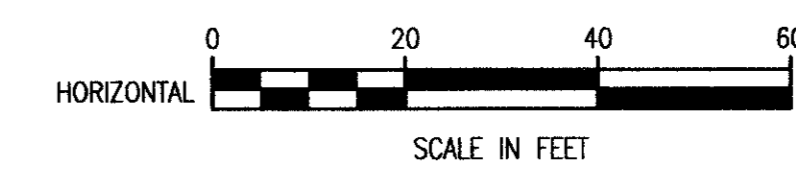
NOTES: 1. ALL DISTURBED AREAS SHALL BE RESTORED WITH SOLID SOD PLACED END TO END AND SIDE TO SIDE. CONTRACTOR SHALL WATER SOD ONCE A DAY FOR TWO WEEKS.  
 2. CONTRACTOR SHALL HAVE THE OPTION TO OPEN CUT THE ROADWAY DURING NIGHT TIME HOURS OR TO BORE UNDER THE ROADWAY.

QUANTITIES		
1. 8 INCH SANITARY SEWER LINE	360	L.F.
2. STANDARD 4 FOOT DIA. MANHOLE	1	EA.
3. ONE-WAY CLEANOUT	2	EA.
4. 8 INCH x 8 INCH TEE	1	EA.
5. CONNECTION TO EXIST. SAN. SEW. LINE	1	EA.
6. SOLID SOD	1300	S.F.
7. ROADWAY CROSSING	1	L.S.
8. FENCE REMOVAL & REPLACEMENT	1	L.S.
9. DRIVEWAY REMOVAL & REPLACEMENT	13.2	S.Y.
10. 15 INCH R.C.P. REMOVAL & REPLACEMENT	28	L.F.
11. CONCRETE RIP RAP & HEADWALL REMOVAL & REPLACEMENT	1	L.S.

**ADDISON MUNICIPAL AIRPORT ADDITION  
 BLOCK 1  
 LOT 1**

T.B.M. #6  
 N 11809.3582, E 8839.6291  
 "T" CUT IN NORTHEAST CORNER  
 OF BUILDING AT PROP. WATER LINE  
 STA. 19+10.50, 67.41' LT.  
 ELEV. 641.21  
 T.B.M. AP-2  
 N 11901.7151, E 8905.0072  
 NORTH RIM OF EXISTING S.S.M.H.  
 AT PROP. SAN. SEWER  
 STA. 28+81.13, 23.91' RT.  
 ELEV. 640.53

HATCHING INDICATES REMOVAL & REPLACING OF CONCRETE PAVEMENT (SEE PROFILE)

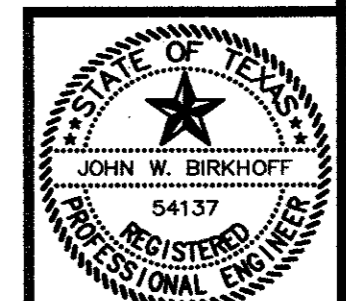


$Q_{cap} = 0.86$  M.G.D.  
 $V_{cap} = 3.79$  f.p.s.

$Q_{cap} = 0.86$  M.G.D.  
 $V_{cap} = 3.79$  f.p.s.

REVISED TO CONFORM TO CONSTRUCTION RECORDS  
 BY JWB DATE 8/26/97

THESE DOCUMENTS ARE FOR BIDDING, CONSTRUCTION, AND PERMIT PURPOSES.  
 John W. Bullock  
 DATE: 5/8/97



**TOWN OF ADDISON, TEXAS**

ADDISON AIRPORT SANITARY SEWER

**SANITARY SEWER PLAN - PROFILE**  
**LATERAL 'A' STA. 0+00 TO STA. 3+60**

**SHIMEK, JACOBS & FINKLEA, L.L.P.**  
 CONSULTING ENGINEERS  
 Dallas, Texas

DESIGNED BY: J.W.B. PROJECT: 97 141 SHEET NO. 1  
 DRAWN BY: S.J. & F. DATE: MAY 1997 OF 1 SHEETS

**LEGEND**

REINFORCED CONCRETE P.V.M.T. REMOVAL AND REPLACEMENT

WATER LINE CONSTRUCTION BY OTHER THAN OPEN CUT

STRIP MALL

**SHORT SERVICES**

STA. 0+12, STA. 0+13, STA. 0+15, STA. 1+86, STA. 1+90, STA. 1+92, STA. 4+00 & STA. 4+01

FURNISH & INSTALL

2" INCH OUTLET

10 L.F. COPPER WATER LINE BY OPEN CUT

CONNECT TO EXISTING WATER METER, INCLUDING ALL FITTINGS & NEW METER BOX

**LONG SERVICES**

STA. 1+53, STA. 1+54, STA. 2+60, STA. 2+61, STA. 2+62, STA. 2+63, STA. 2+64, STA. 2+65, STA. 3+93.5, STA. 3+94, STA. 3+94.5, STA. 4+88, STA. 4+89 & STA. 4+91

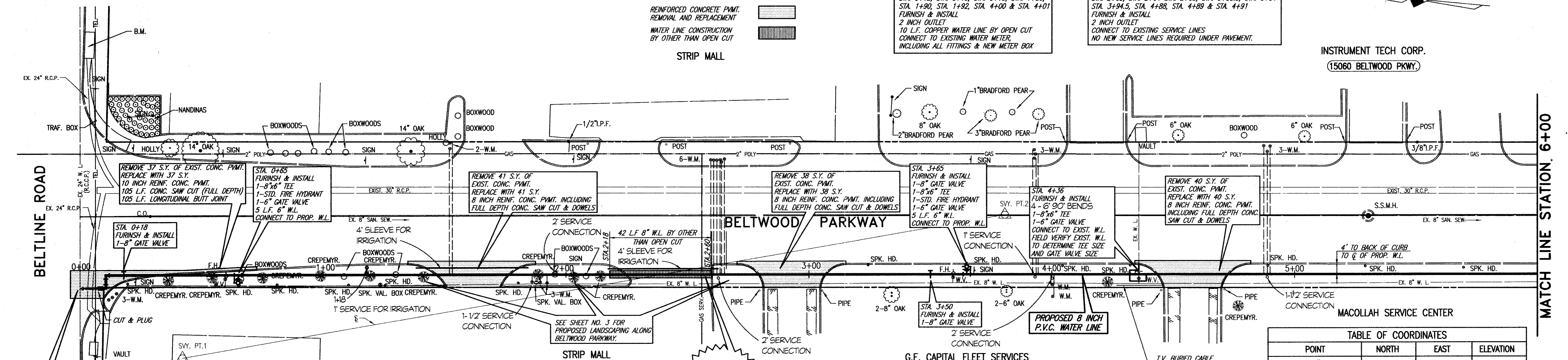
FURNISH & INSTALL

2" INCH OUTLET

CONNECT TO EXISTING SERVICE LINES

NO NEW SERVICE LINES REQUIRED UNDER PAVEMENT.

INSTRUMENT TECH CORP.  
(15060 BELTWOOD PKWY.)



**TABLE OF COORDINATES**

POINT	NORTH	EAST	ELEVATION
PT#1	5000.0000	5000.0000	626.75
PT#2	4668.1012	5088.9320	623.50
PT#391	4163.6763	5134.5572	621.32
STA. 2+00	4845.8698	5048.2765	-
STA. 4+00	4646.6818	5066.2808	-

**WARNING**

LONE STAR GAS LINE

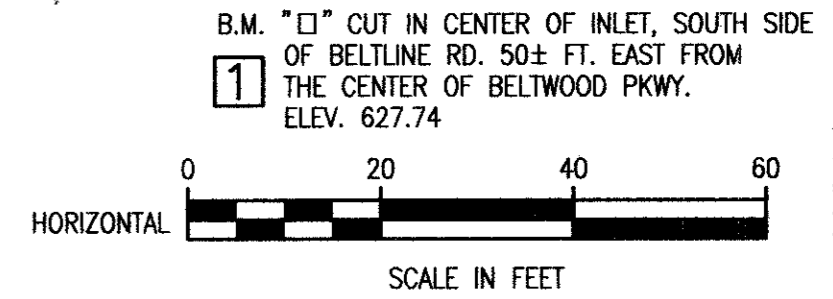
NOTIFY LONE STAR GAS

72 HOURS PRIOR TO EXCAVATION IN THE VICINITY OF STA. 2+55

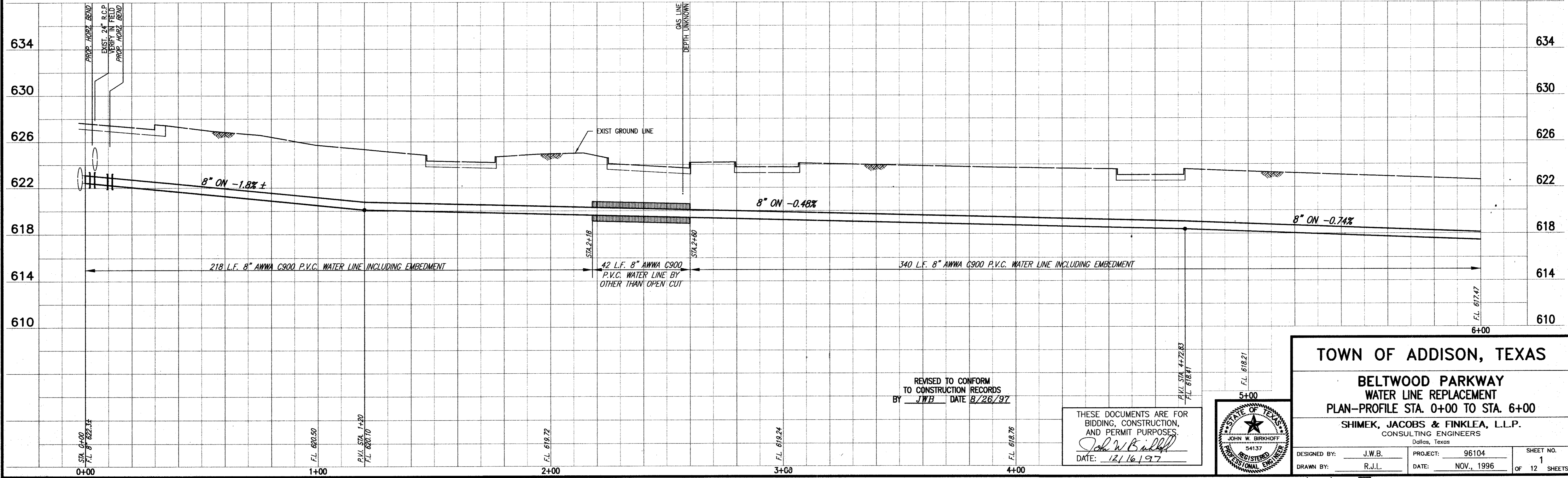
- NOTE:**
- EXISTING WATER LINE SHALL REMAIN IN SERVICE DURING CONSTRUCTION OF NEW WATER LINE BETWEEN STA. 0+18 STA. 10+35. THE NEW LINE SHALL BE TESTED AND STERILIZED FROM THE SOUTH PRIOR TO CONNECTION TO 24" LINE IN BELT LINE ROAD.
  - CONTRACTOR SHALL KEEP ONE OF THE TWO DRIVEWAYS TO G.E. CAPITAL FLEET SERVICES OPEN AT ALL TIMES. TEMPORARY ACCESS CAN BE STEEL PLATE OR BACKFILL WITH 2" H.M.A.C. SURFACE.
  - CONTRACTOR SHALL NOTIFY PROPERTY OWNERS, TOWN OF ADDISON AND FIRE THE DEPT. PRIOR TO TRANSFER OF WATER SERVICES TO PROPOSED WATER MAIN.

**FIELD CHANGE NO. 1**

1. ESTABLISH GRADE TO KNOWN BENCH MARK THAT IS TIED TO U.S.G.S



These plans and related specifications were prepared for construction of this specific project only. Reuse of these documents is not permitted without written authorization of Shimek, Jacobs & Finklea, L.L.P.

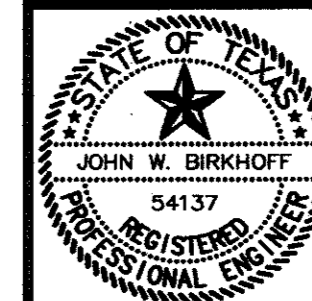


REVISED TO CONFORM TO CONSTRUCTION RECORDS BY JWB DATE 8/28/97

THESE DOCUMENTS ARE FOR BIDDING, CONSTRUCTION, AND PERMIT PURPOSES.

*John W. Birkhoff*

DATE: 12/16/97



**TOWN OF ADDISON, TEXAS**

**BELTWOOD PARKWAY**

**WATER LINE REPLACEMENT**

**PLAN-PROFILE STA. 0+00 TO STA. 6+00**

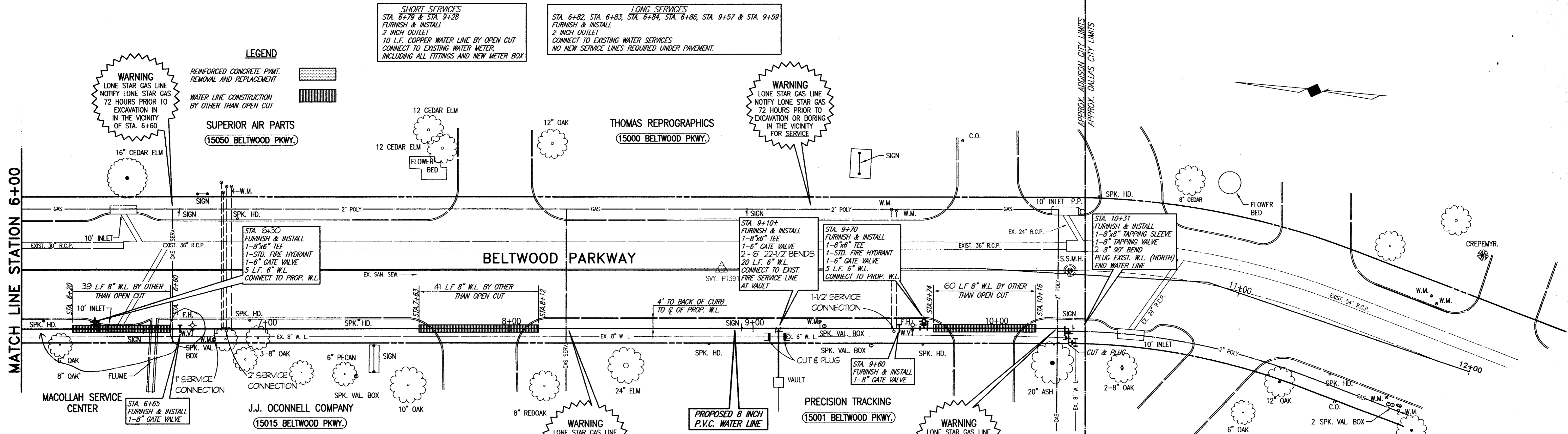
**SHIMEK, JACOBS & FINKLEA, L.L.P.**

CONSULTING ENGINEERS

Dallas, Texas

DESIGNED BY: J.W.B. PROJECT: 96104 SHEET NO. 1

DRAWN BY: R.J.L. DATE: NOV., 1996 OF 12 SHEETS



**SHORT SERVICES**  
 STA. 6+79 & STA. 9+28  
 FURNISH & INSTALL  
 2" INCH OUTLET  
 10' L.F. COPPER WATER LINE BY OPEN CUT  
 CONNECT TO EXISTING WATER METER,  
 INCLUDING ALL FITTINGS AND NEW METER BOX

**LONG SERVICES**  
 STA. 6+82, STA. 6+83, STA. 6+84, STA. 6+86, STA. 9+57 & STA. 9+59  
 FURNISH & INSTALL  
 2" INCH OUTLET  
 CONNECT TO EXISTING WATER SERVICES  
 NO NEW SERVICE LINES REQUIRED UNDER PAVEMENT.

**LEGEND**

REINFORCED CONCRETE PAVT.  
 REMOVAL AND REPLACEMENT

WATER LINE CONSTRUCTION  
 BY OTHER THAN OPEN CUT

**WARNING**  
 LONE STAR GAS LINE  
 NOTIFY LONE STAR GAS  
 72 HOURS PRIOR TO  
 EXCAVATION IN  
 THE VICINITY  
 OF STA. 6+60

**WARNING**  
 LONE STAR GAS LINE  
 NOTIFY LONE STAR GAS  
 72 HOURS PRIOR TO  
 EXCAVATION OR BORING  
 IN THE VICINITY  
 FOR SERVICE

**WARNING**  
 LONE STAR GAS LINE  
 NOTIFY LONE STAR GAS  
 72 HOURS PRIOR TO  
 EXCAVATION IN  
 THE VICINITY  
 OF STA. 8+25

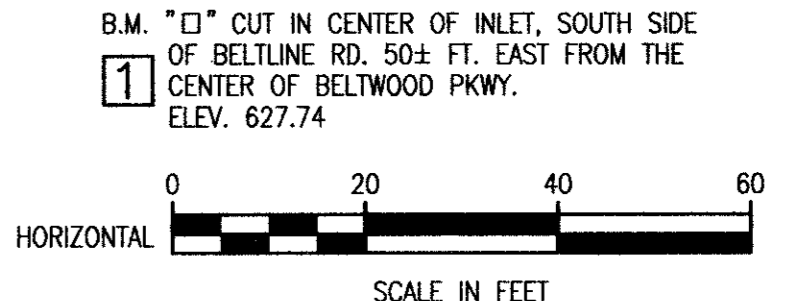
**WARNING**  
 LONE STAR GAS LINE  
 NOTIFY LONE STAR GAS  
 72 HOURS PRIOR TO  
 EXCAVATION IN  
 THE VICINITY  
 OF STA. 10+25

- NOTE:**
- EXISTING WATER LINE SHALL REMAIN IN SERVICE DURING CONSTRUCTION OF NEW WATER LINE BETWEEN STA. 0+18 STA. 10+35. THE NEW LINE SHALL BE TESTED AND STERILIZED FROM THE SOUTH PRIOR TO CONNECTION TO 24" LINE IN BELT LINE ROAD.
  - CONTRACTOR SHALL KEEP ONE OF THE TWO DRIVEWAYS TO G.E. CAPITAL FLEET SERVICES OPEN AT ALL TIMES. TEMPORARY ACCESS CAN BE STEEL PLATE OR BACKFILL WITH 2" H.M.A.C. SURFACE.
  - CONTRACTOR SHALL NOTIFY PROPERTY OWNERS, TOWN OF ADDISON AND FIRE DEPT. PRIOR TO TRANSFER OF WATER SERVICES TO PROPOSED WATER MAIN.
  - CONTRACTOR SHALL FURNISH & INSTALL BENDS FOR 8" INCH WATER LINE GRADE CHANGE BETWEEN STATIONS 6+10 AND 6+70. FOUR BENDS REQUIRED.

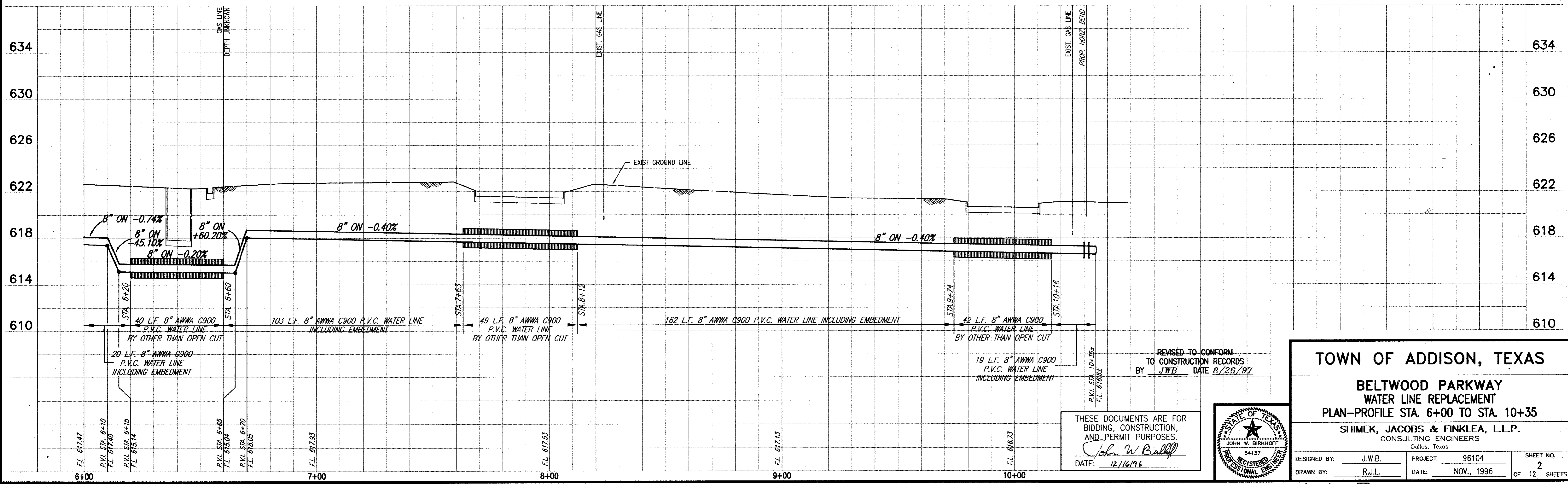
**TABLE OF COORDINATES**

POINT	NORTH	EAST	ELEVATION
PT#1	5000.0000	5000.0000	626.75
PT#2	4668.1012	5088.9320	623.50
PT#391	4163.6763	5134.5572	621.32
STA. 6+00	4447.4520	5084.2888	-
STA. 8+00	4248.2640	5102.2931	-
STA. 10+00	4049.0761	5120.2974	-

**FIELD CHANGE NO. 1**  
 1. ESTABLISH GRADE TO KNOWN BENCH MARK THAT IS TIED TO U.S.G.S

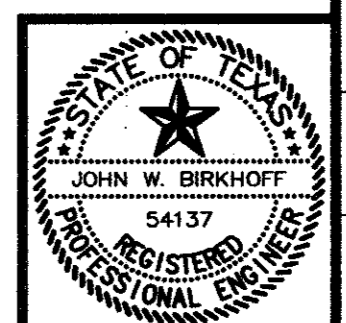


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REVISED TO CONFORM TO CONSTRUCTION RECORDS BY JWB DATE 8/26/97

THESE DOCUMENTS ARE FOR BIDDING, CONSTRUCTION, AND PERMIT PURPOSES.  
 John W. Bullard  
 DATE: 12/16/96



**TOWN OF ADDISON, TEXAS**

**BELTWOOD PARKWAY WATER LINE REPLACEMENT**  
 PLAN-PROFILE STA. 6+00 TO STA. 10+35

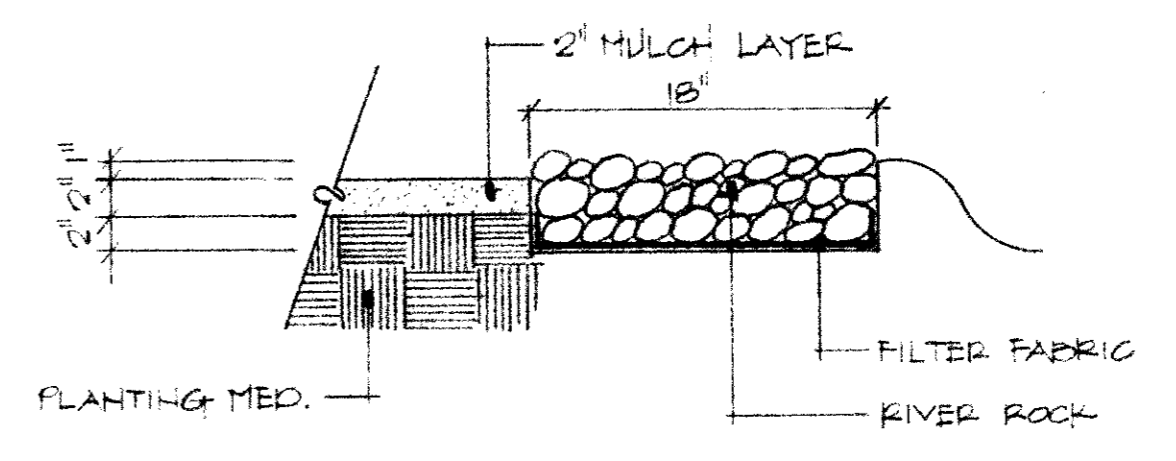
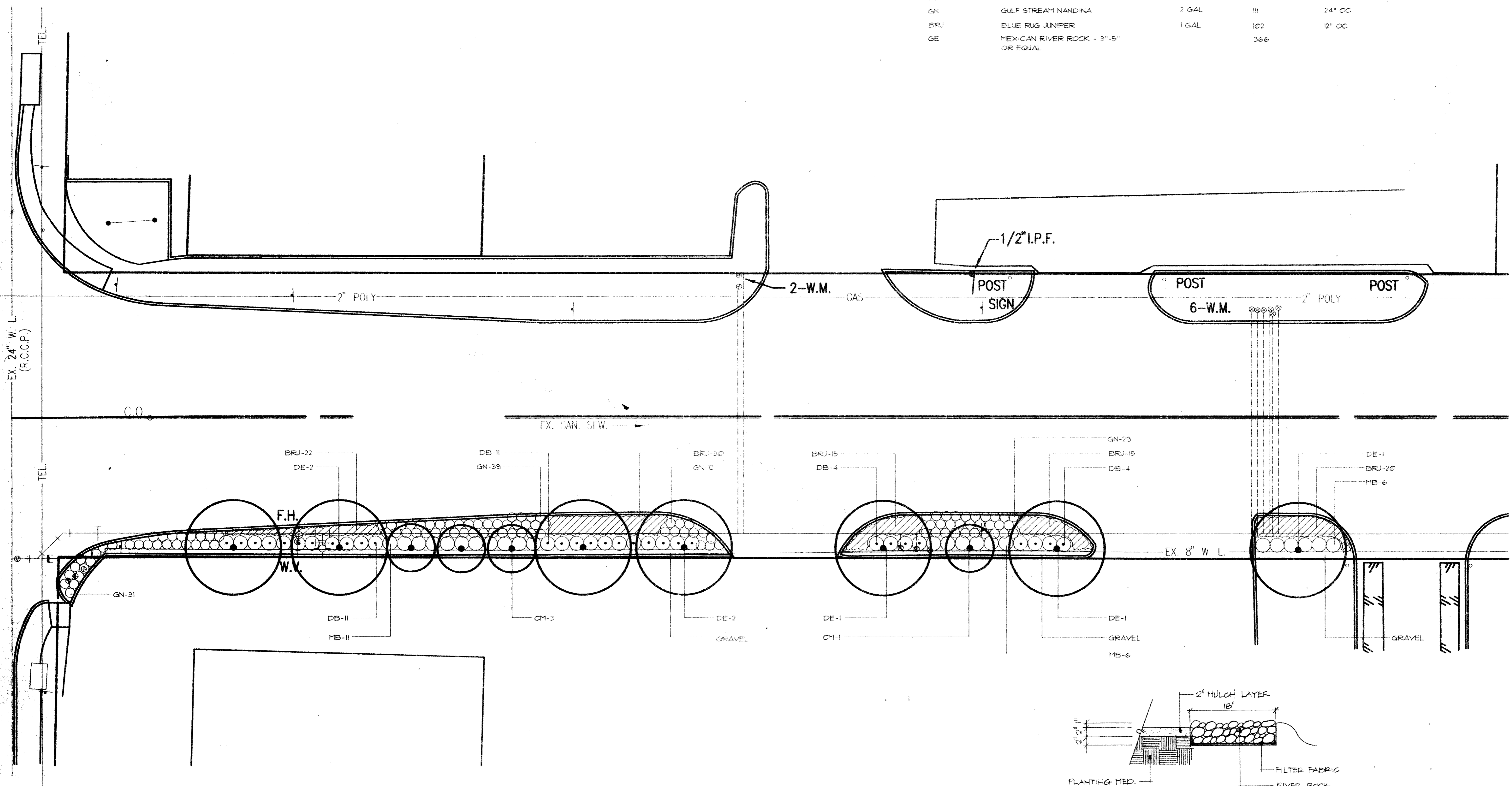
SHIMEK, JACOBS & FINKLEA, L.L.P.  
 CONSULTING ENGINEERS  
 Dallas, Texas

DESIGNED BY: J.W.B.	PROJECT: 96104	SHEET NO. 2
DRAWN BY: R.J.L.	DATE: NOV., 1996	OF 12 SHEETS

PROJECT NAME BELTWOOD  
 PROJECT NUMBER ADD-601  
 REVISIONS 11/01/96

PLANT LIST

PLAN NAME	PLANT NAME	SIZE	QUANTITY	SPACING
DE	DRAKE ELM	3" GAL	7	
CM	CREPEMYRTLE	6'-8"	4	10' MIN
MB	MENTOR BARBERRY	5 GAL	23	36" OC
DB	DWARF BURFORD HOLLY	5 GAL	30	36" OC
GN	GULF STREAM NANDINA	2 GAL	111	24" OC
BRJ	BLUE RUG JUNIFER	1 GAL	102	12" OC
GE	MEXICAN RIVER ROCK - 3"-5" OR EQUAL		300	



ROCK EDGING DETAIL 1'-1'-0"

BELTWOOD PARKWAY  
 ADDISON, TEXAS



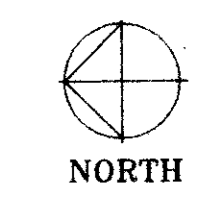
PROJECT NAME  
**BELTWOOD PARKWAY**  
 ADDISON, TEXAS

**M • D • G**  
 MEEKS DESIGN GROUP  
 1100 CENTENNIAL BLVD. #100  
 RICHARDSON, TEXAS 75081  
 (972) 600-7474  
 FAX (972) 600-7876

TITLE **PLANTING**  
 DATE **09/09/96**  
 SCALE **1" = 10'-0"**  
 SHEET **SHEET 3 L2.01**

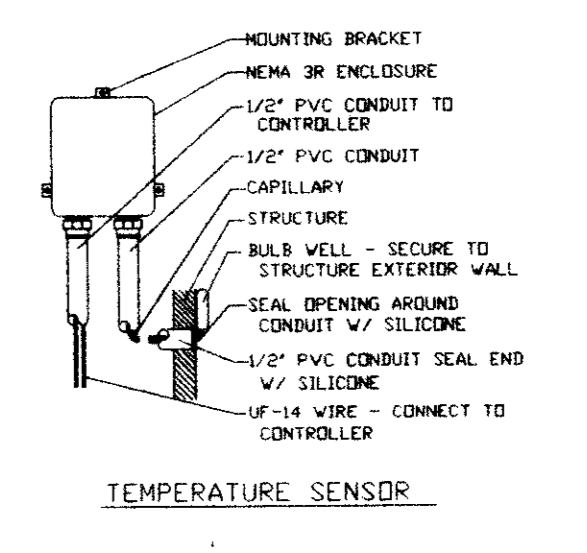
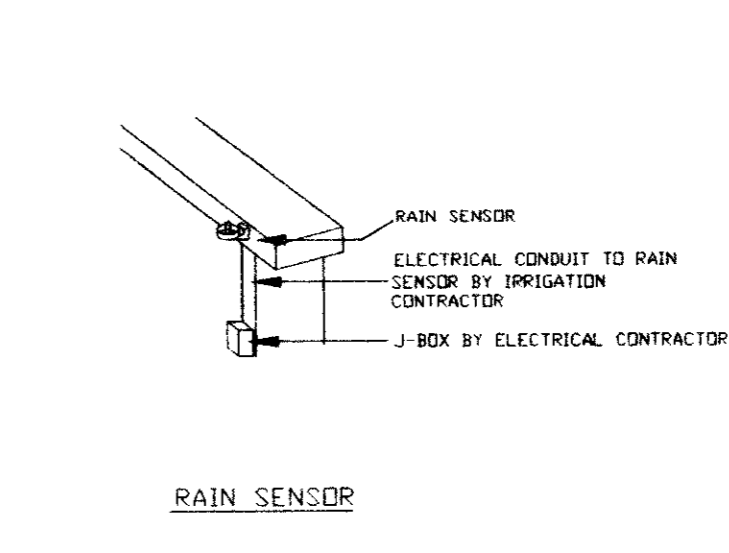
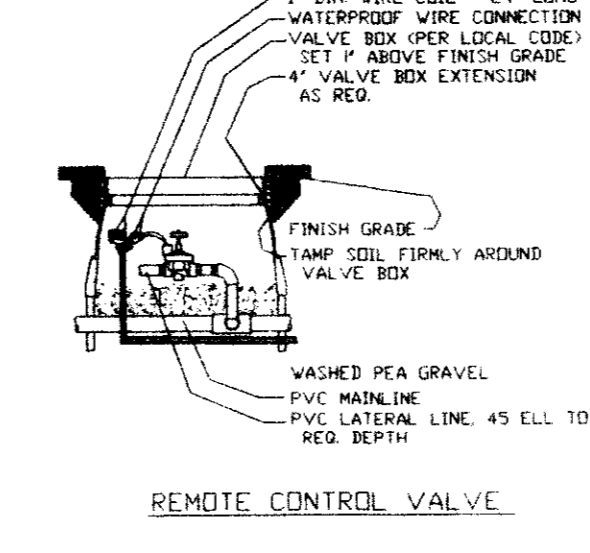
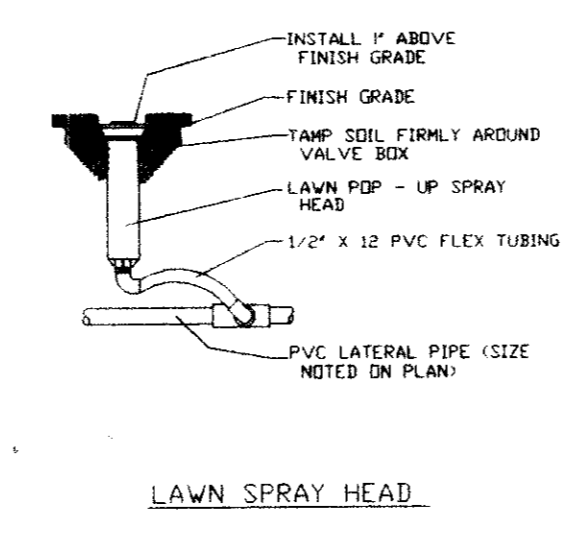
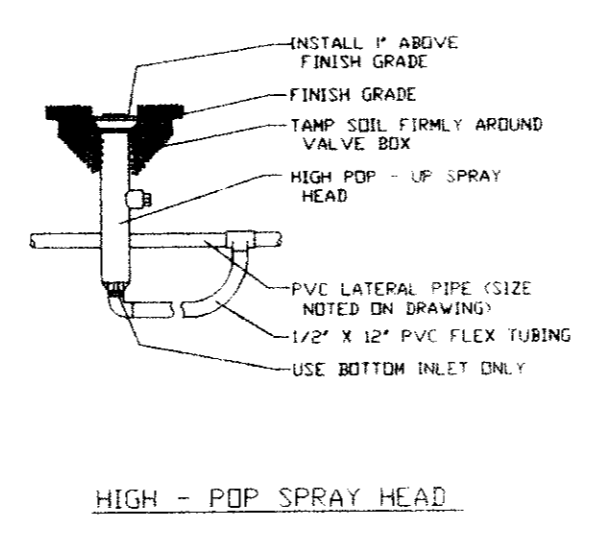
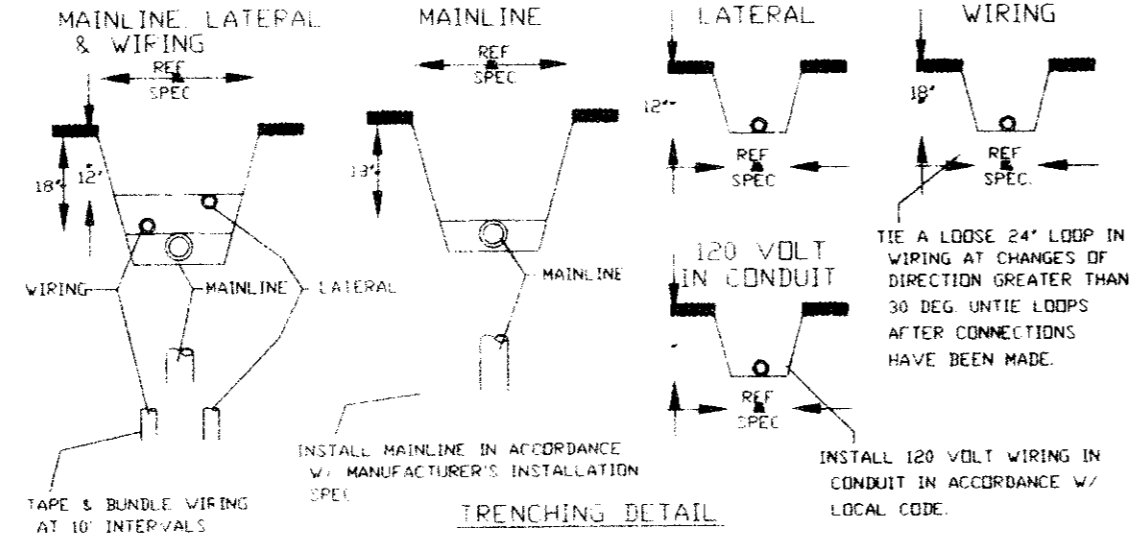
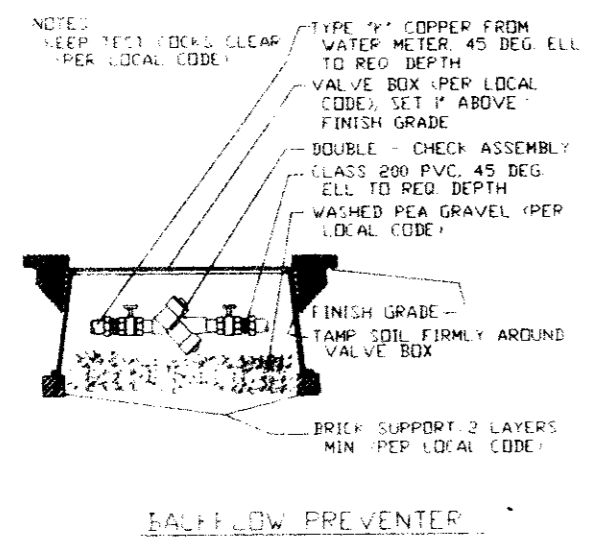
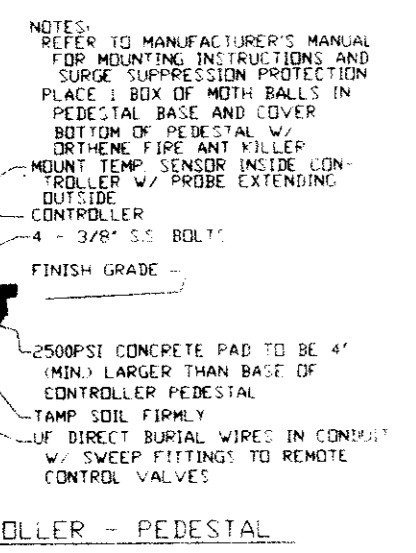
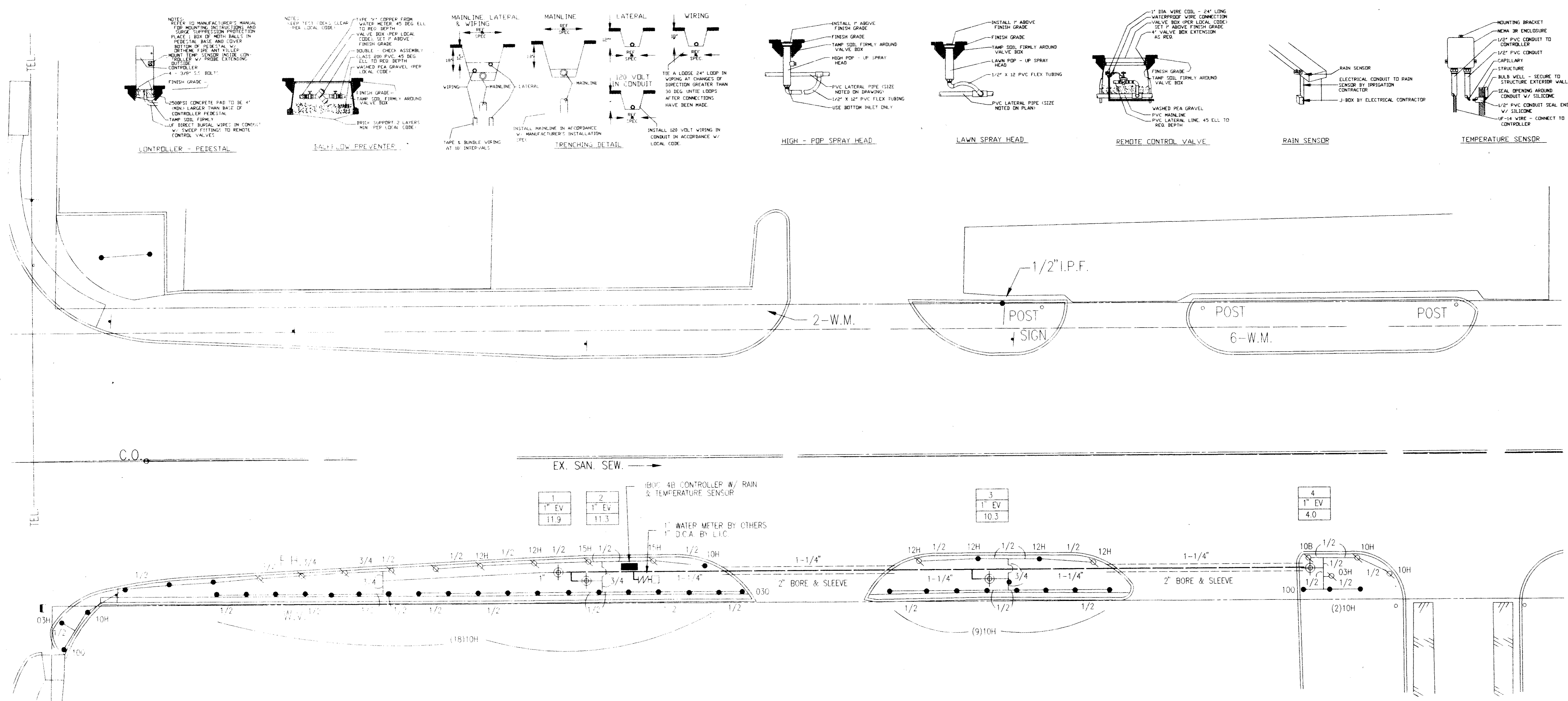


BELTWOOD PARKWAY  
 ADDISON, TEXAS



PROJECT NAME: BELTWOOD PARKWAY  
 ADDISON, TEXAS  
 MEES DESIGN GROUP  
 1100 CENTENNIAL BLVD. #120  
 RICHARDSON, TEXAS 75081  
 (214)990-7474  
 FAX (214)990-7878

TITLE: IRRIGATION  
 DATE: 09\09\96  
 SCALE: 1"=10'-0"  
 SHEET: SHEET 4 L3.01



1	2
1" EV	1" EV
11.9	11.3

3
1" EV
10.3

4
1" EV
4.0

- NOTES:
- ALL 24 VOLT LEAD AND COMMON VALVE WIRING SHALL BE A MINIMUM OF UF-14 GA. SINGLE CONDUCTOR. REFER TO MANUFACTURER'S RECOMMENDATIONS FOR PROPER WIRE SIZE. WIRE SPLICES SHALL BE PERMANENT AND WATERPROOF.
  - COORDINATE INSTALLATION OF IRRIGATION SYSTEM WITH LANDSCAPE CONTRACTOR TO ENSURE ALL PLANT MATERIAL WILL BE WATERED IN ACCORDANCE WITH THE INTENT OF THE PLANS AND SPECIFICATIONS.
  - LATERAL PIPING SHALL HAVE A MINIMUM OF 12" OF COVER. MAINLINE AND PIPING UNDER PAVING SHALL HAVE A MINIMUM OF 18" OF COVER.
  - PIPING AND VALVES IN PAVING SHOWN FOR CLARITY. INSTALL IN ADJACENT PLANTING BED OR LAWN AREA.
  - CONNECT LAWN AND HIGH-POP SPRAY HEADS TO LATERAL PIPE WITH POLY NIPPLES AND SCH40 PVC FITTINGS AS REQUIRED. PER DETAIL SHOWN. USE WELD-ON #795 SOLVENT AND #8210 PRIMER ON THESE CONNECTIONS.
  - INSTALL REMOTE CONTROL VALVES IN TEN (10) VALVE BOXES PER DETAIL SHOWN.
  - SLEEVES SHALL BE CLASS 200 PVC SIZED AS NOTED ON PLANS.
  - ROUTE COMMON WIRE FROM CONTROLLER TO REMOTE SENSORS IN SERIES PRIOR TO CONNECTING TO REMOTE CONTROL VALVES.
  - TEN DAYS PRIOR TO START OF CONSTRUCTION, VERIFY STATIC PRESSURE. IF STATIC PRESSURE IS LESS THAN 50.0 PSI, DO NOT START WORK UNTIL NOTIFIED TO PROCEED BY OWNER. DESIGN PRESSURE IS 34.0 PSI.

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL NO.
●	LAWN SPRAY HEAD	WEATHERMATIC	#55P W/ 420P, 420H, OR 420G NOZZLES UNLESS NOTED OTHERWISE
⊕	HIGH-POP SPRAY HEAD	WEATHERMATIC	#37P W/ 420P, 420H, OR 420G NOZZLES UNLESS NOTED OTHERWISE
⊕	REMOTE CONTROL VALVE	WEATHERMATIC	#1024PCR SIZED AS SHOWN
■	CONTROLLER	IRRITROL	180C-4B W/ PEDASTAL & 1950 RAINSTAT AND PENN A-19ANC-1 TEMP. SENSOR
—	MAINLINE PIPING	REFER TO SPEC.	CLASS 200 PVC
—	LATERAL PIPING	REFER TO SPEC.	CLASS 200 PVC
∩	BACKFLOW PREVENTER	FEBCO	825Y
□	WATER METER	REFER TO SPEC.	PER LOCAL BUILDING CODE
3	STATION NUMBER		
1" EV	VALVE SIZE		
10.3	GPM (APPROX.)		

IRRIT-TECH CORPORATION  
 DESIGN DEPARTMENT  
 12650 SCHROEDER RD.  
 DALLAS, TEXAS 75243  
 (214)231-5151 FAX (214)231-5172



**REMOVE & REPLACE VALVE 4M4A**

PEBBLE BEACH

CITY OF FARMERS BRANCH

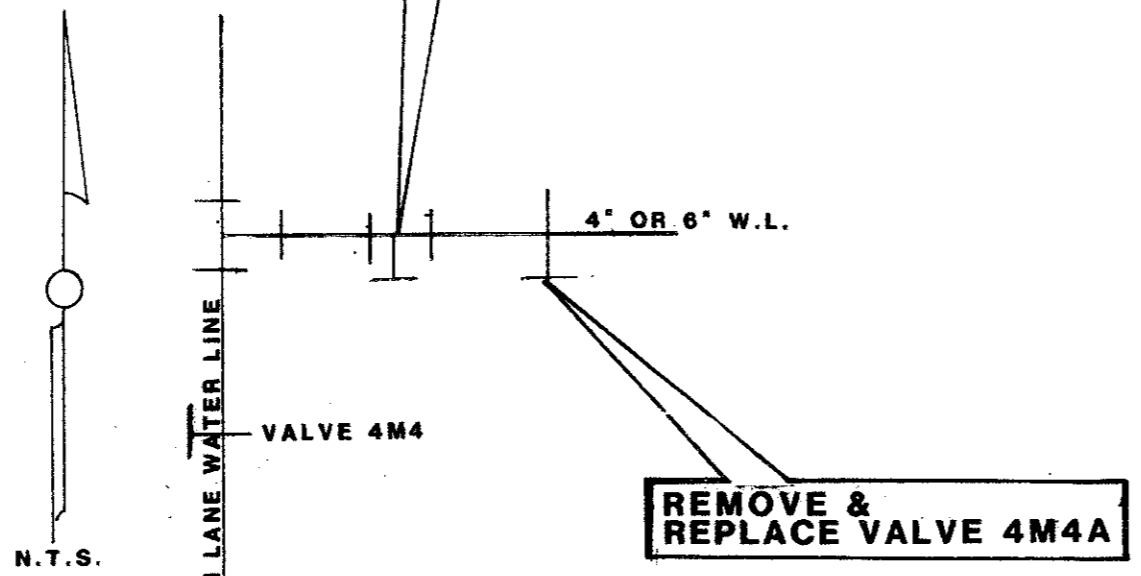
MARSH LANE

**NOTES**

1. The Town of Addison shall shut down existing waterlines during off-peak hours.
2. Excavate and remove existing gate valves, including pavement removal.
3. Install new gate valve, including valve stack furnished to the site by the Town of Addison.
4. Restore area with solid sod.
5. Place 10-Inch reinforced concrete pavement and curb. NCTCOG Item 745, Class "C" concrete; 3600 psi compressive strength @ 28-days, minimum 6-sack mix per cubic yard. Maximum water cement ratio 6.0.
6. Backfill shall be select material (NCTCOG Item 2.1.8(c) compacted in place.
7. Embedment shall be NCTCOG Grade 4 aggregate to spring line of pipe.

**FURNISH & INSTALL**  
 4" OR 6" x 1" TAP  
 5 L.F. - 1" TYPE K COPPER WATERLINE  
 1-1" CURB STOP-6" BELOW SURFACE  
 1-1" CORP STOP W/COMP NUT  
 1-CONC. METER BOX & COVER(10" x 20")

**SCALE 1"=100'**



**LEGEND**

- 16" Water Line (Size indicated)
- Fire Hydrant W/Valve
- Fire Hydrant No Valve
- Meter Station
- Valve
- Reducer

# WATER

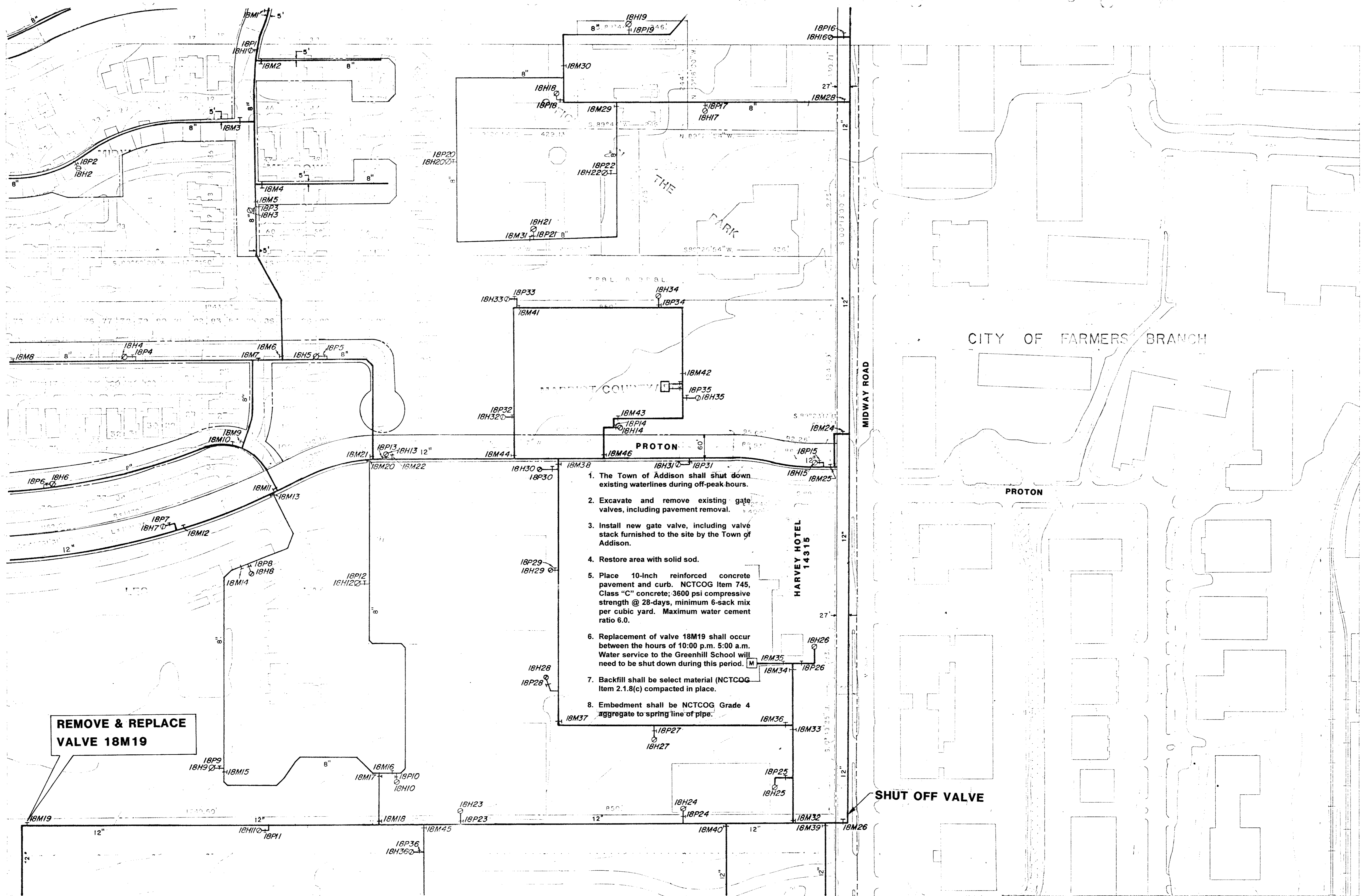
## TOWN OF ADDISON

Rev

SHEET 5

3	8
4	9
5	10

SHEET INDEX



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4. Restore area with solid sod.
5. Place 10-inch reinforced concrete pavement and curb. NCTCOG Item 745, Class "C" concrete; 3600 psi compressive strength @ 28-days, minimum 6-sack mix per cubic yard. Maximum water cement ratio 6.0.
6. Replacement of valve 18M19 shall occur between the hours of 10:00 p.m. 5:00 a.m. Water service to the Greenhill School will need to be shut down during this period.
7. Backfill shall be select material (NCTCOG Item 2.1.8(c) compacted in place.
8. Embedment shall be NCTCOG Grade 4 aggregate to spring line of pipe.

**REMOVE & REPLACE VALVE 18M19**

**SHUT OFF VALVE**

GREENHILL SCHOOL

SCALE 1"=100

## WATER

Rev. \_\_\_\_\_

SHEET 6

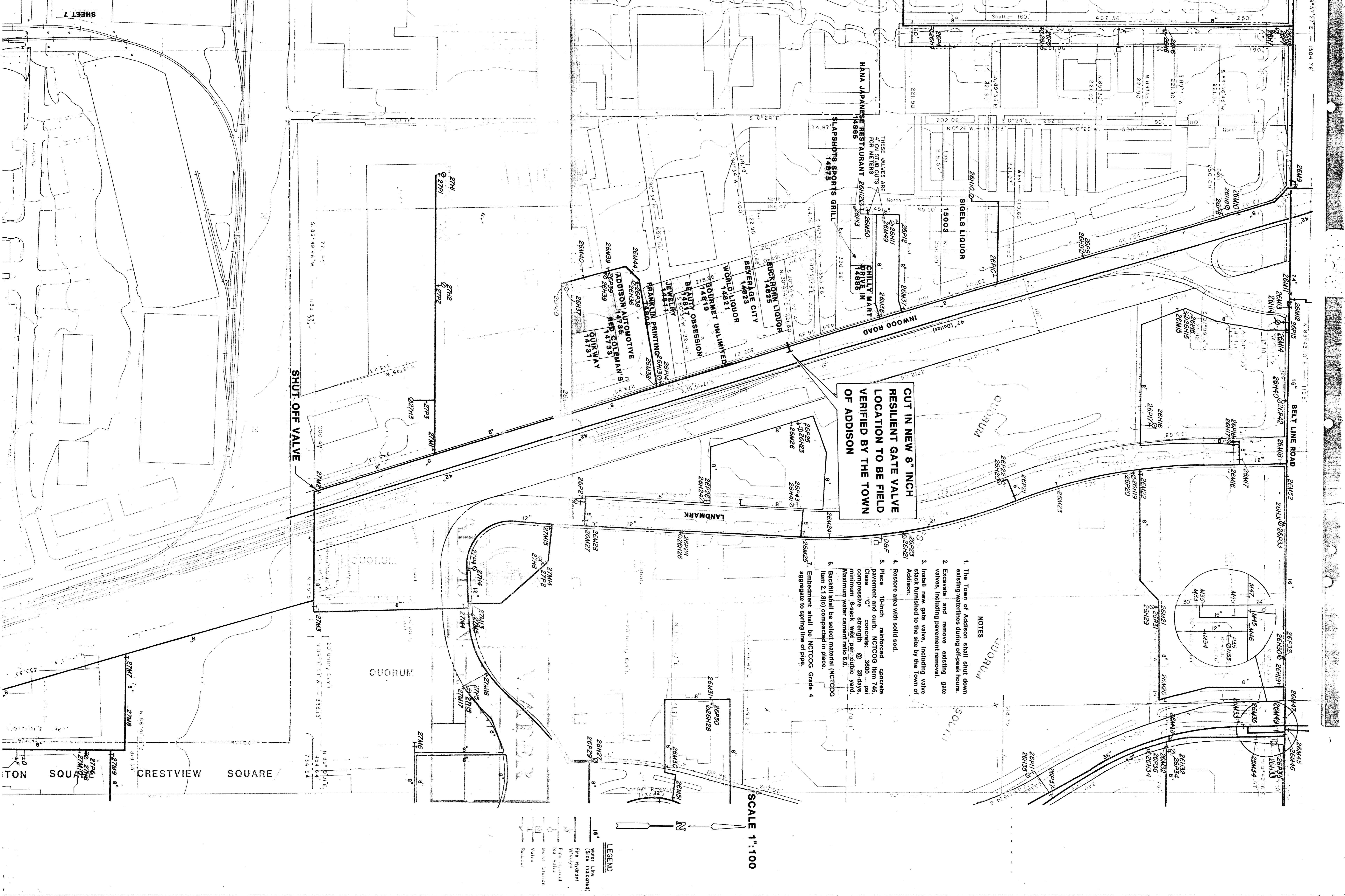
**LEGEND**

	18" Water Line (Size Indicated)
	Fire Hydrant W/Valve
	Fire Hydrant No Valve
	Meter Station
	Valve
	Reducer

18

7	17	26
8	18	27
9	19	28

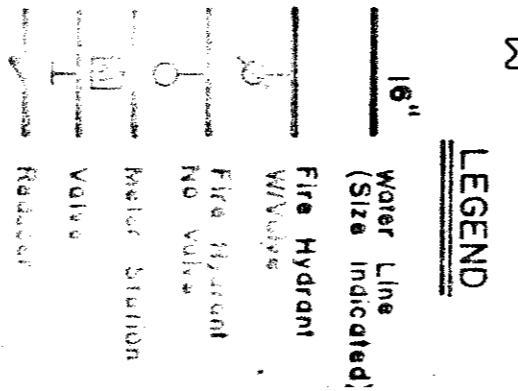




**CUT IN NEW 8" INCH  
RESILIENT GATE VALVE  
LOCATION TO BE FIELD  
VERIFIED BY THE TOWN  
OF ADDISON**

- NOTES**
1. The Town of Addison shall shut down existing waterlines during off-peak hours.
  2. Excavate and remove existing gate valves including pavement removal.
  3. Install new gate valve, including valve stack furnished to the site by the Town of Addison.
  4. Restore area with solid sod.
  5. Place 10-inch reinforced concrete pavement and curb, NCTCOG Item 745, Class "C" concrete: 3600 - psi compressive strength @ 28-days, minimum 6-sack mix, per cubic yard. Maximum water cement ratio 5.0.
  6. Backfill shall be select material (NCTCOG Item 2.1.8(c)) compacted in place.
  7. Embedment shall be NCTCOG Grade 4 aggregate to spring line of pipe.

**SCALE 1"=100**



**SHUT-OFF VALVE**

CRESTVIEW SQUARE

QUORUM

LANMARK

INWOOD ROAD

BELT LINE ROAD

SLAPSHOT'S SPORTS GRILL  
14895

CHILLY MART  
14895

SIGELS LIQUOR  
15003

BUCKHOORN LIQUOR  
14825

BEVERAGE CITY  
14823

WORLD LIQUOR  
14821

GOURMET UNLIMITED  
14819

BEAUTY OBSESSION  
14817

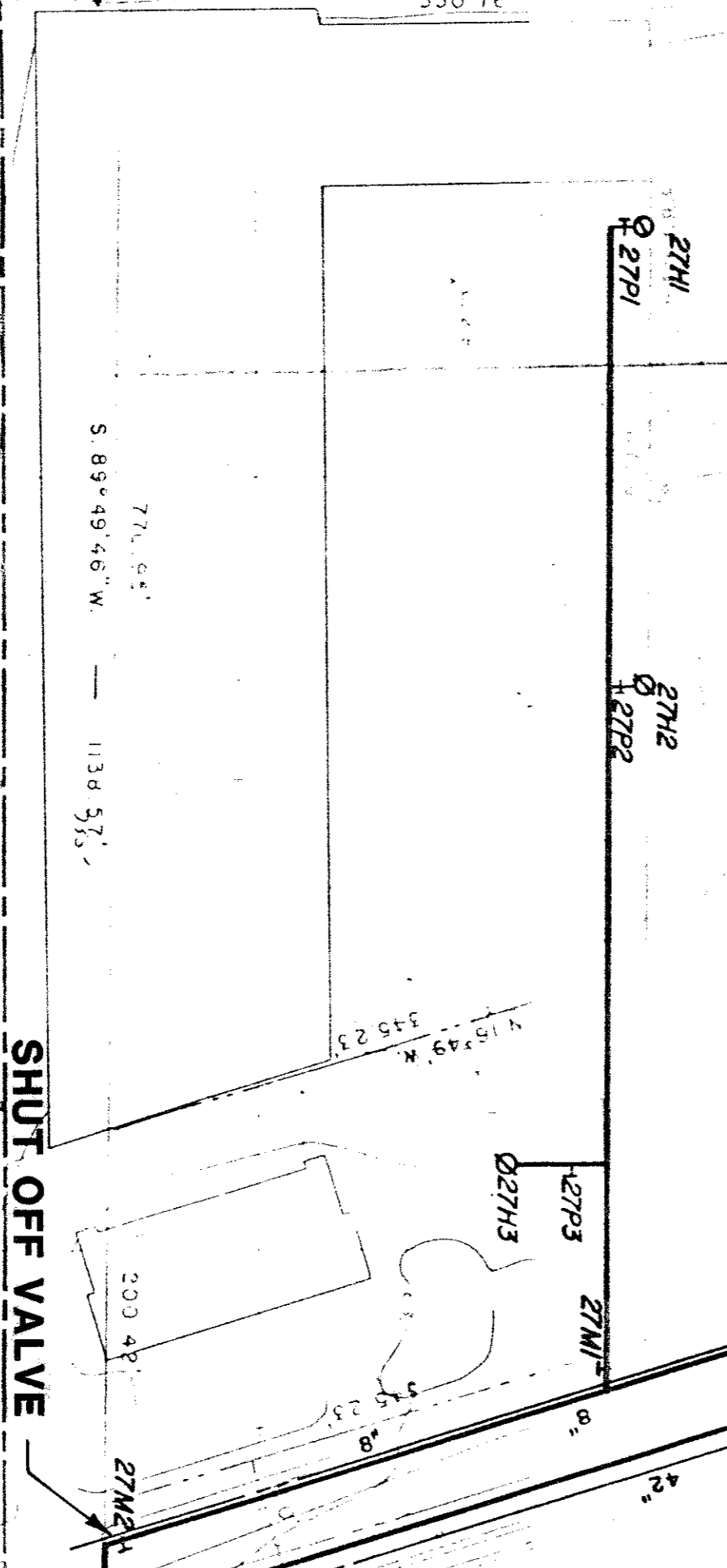
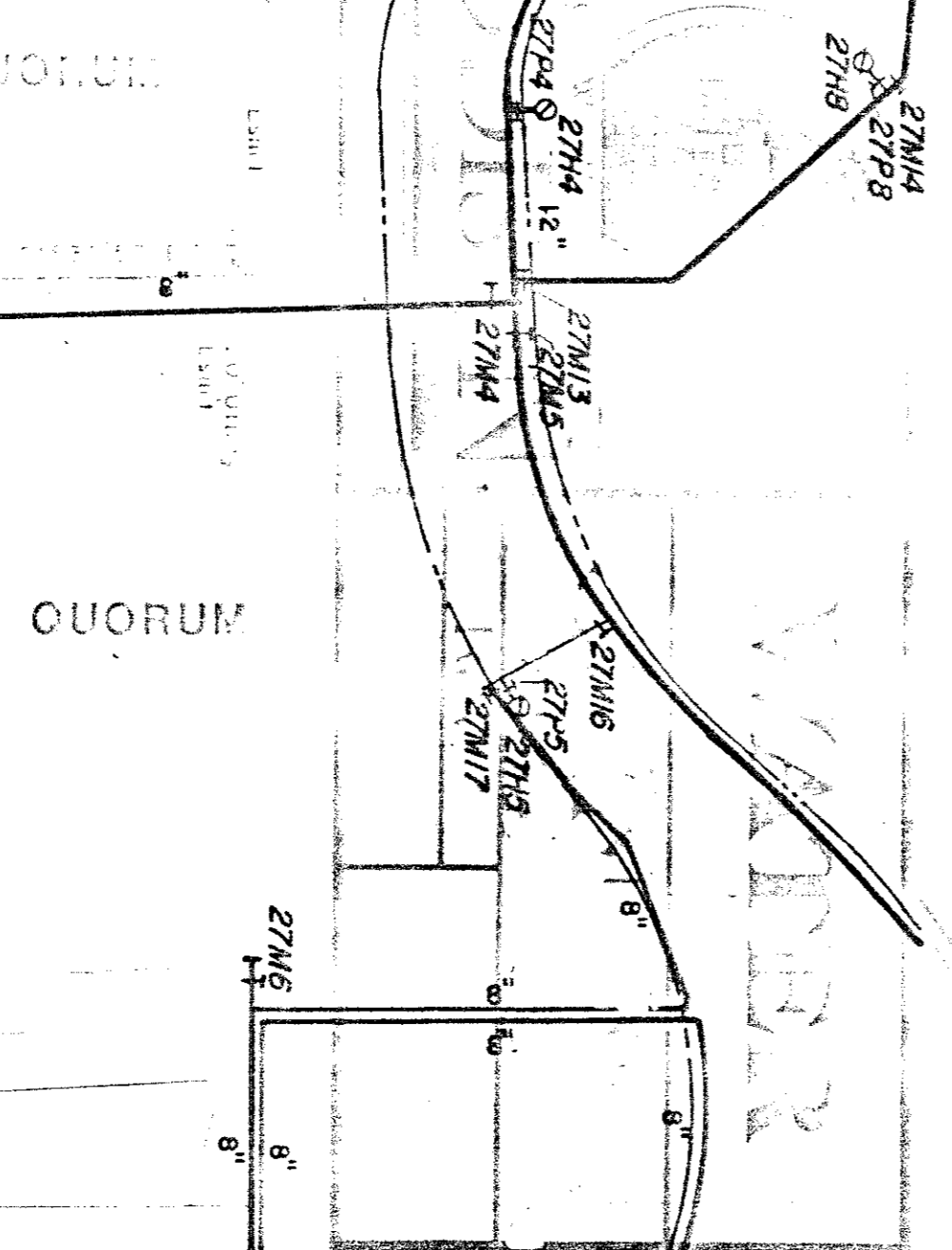
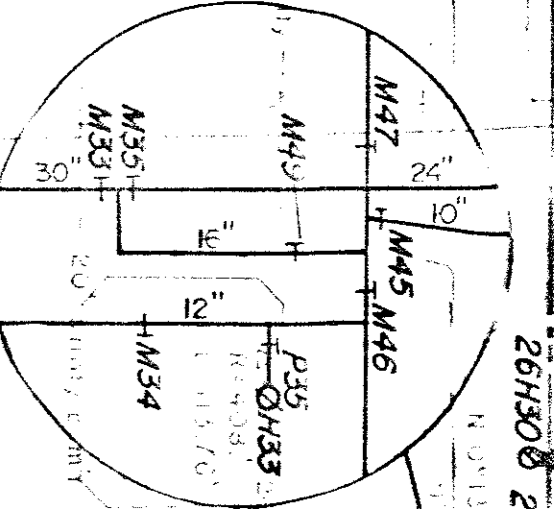
JEWELRY  
14815

FRANKLIN PRINTING  
14810

ADDISON AUTOMOTIVE  
14735

RED COTEMAN'S  
14733

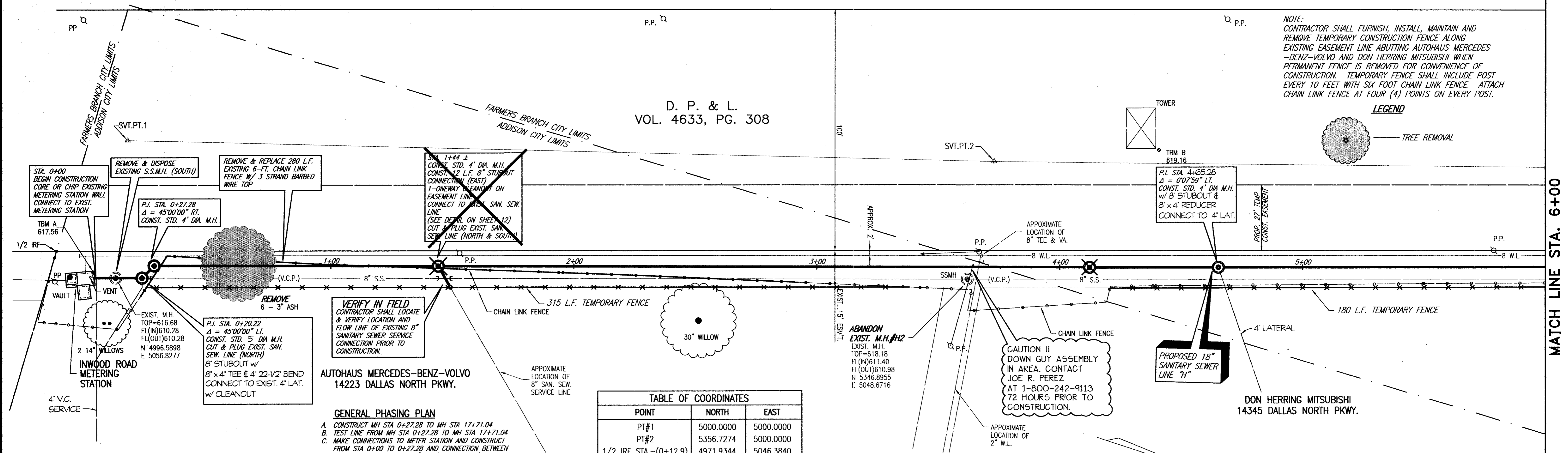
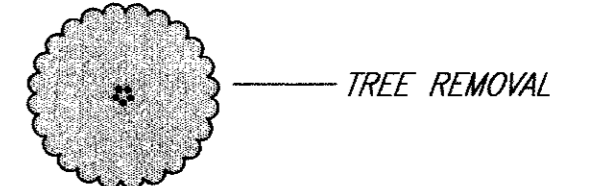
QUICKWAY  
14731



D. P. & L.  
VOL. 4633, PG. 308

NOTE:  
CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE TEMPORARY CONSTRUCTION FENCE ALONG EXISTING EASEMENT LINE ABUTTING AUTOHAUS MERCEDES-BENZ-VOLVO AND DON HERRING MITSUBISHI WHEN PERMANENT FENCE IS REMOVED FOR CONVENIENCE OF CONSTRUCTION. TEMPORARY FENCE SHALL INCLUDE POST EVERY 10 FEET WITH SIX FOOT CHAIN LINK FENCE. ATTACH CHAIN LINK FENCE AT FOUR (4) POINTS ON EVERY POST.

LEGEND



VERIFY IN FIELD  
CONTRACTOR SHALL LOCATE & VERIFY LOCATION AND FLOW LINE OF EXISTING 8" SANITARY SEWER SERVICE CONNECTION PRIOR TO CONSTRUCTION.

AUTOHAUS MERCEDES-BENZ-VOLVO  
14223 DALLAS NORTH PKWY.

GENERAL PHASING PLAN

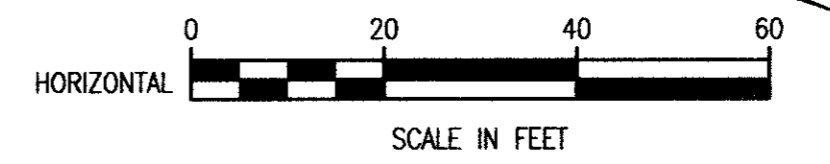
- CONSTRUCT MH STA 0+27.28 TO MH STA 17+71.04
- TEST LINE FROM MH STA 0+27.28 TO MH STA 17+71.04
- MAKE CONNECTIONS TO METER STATION AND CONSTRUCT FROM STA 0+00 TO 0+27.28 AND CONNECTION BETWEEN MH STA 17+71.04 TO MH #110 (LATERAL H-2)
- CONSTRUCT MH STA 17+71.04 TO MH STA 18+31.64 AND MAKE CONNECTION BETWEEN MH STA 7+88.96 AND MH #13 (LATERAL H-1)
- PROVIDE ADDITION WITH COLOR TV INSPECTION OF COMPLETED LINES IN "C" & "D" ABOVE.

TABLE OF COORDINATES

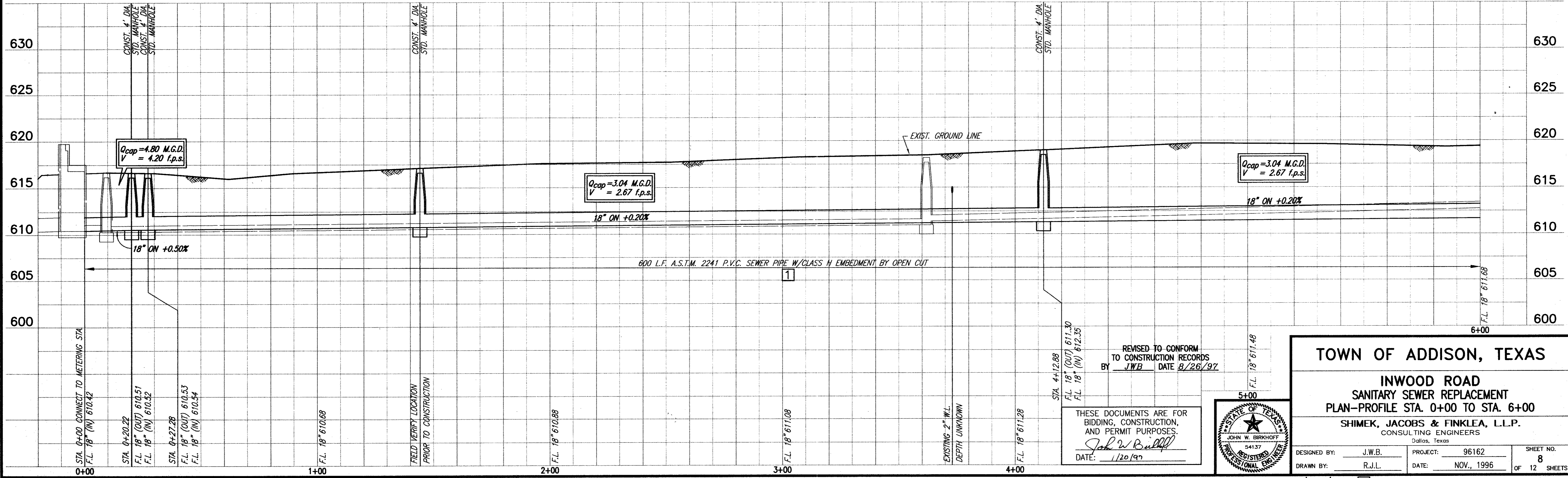
POINT	NORTH	EAST
PT#1	5000.0000	5000.0000
PT#2	5356.7274	5000.0000
1/2 IRF STA. -(0+12.9)	4971.9344	5046.3840
P.I. STA. 0+20.22	5007.3788	5056.5765
P.I. STA. 0+27.28	5012.2511	5051.4719
P.I. STA. 4+12.28	5397.1468	5042.5105

T.B.M. RS "Q" CUT IN DRIVEWAY AT BANK PARKING LOT STA. 18+28, 32' LT. ELEV.=632.70 N 6798.4563 E 5059.2585  
T.B.M. B "Q" CUT IN NORTHEAST CORNER OF TOWER STA. 4+40 ELEV.=619.16 N 5424.4635 E 4993.3687

CAUTION !!  
DOWN GUY ASSEMBLY IN AREA. CONTACT JOE R. PEREZ AT 1-800-242-9113 72 HOURS PRIOR TO CONSTRUCTION.



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TOWN OF ADDISON, TEXAS

INWOOD ROAD  
SANITARY SEWER REPLACEMENT  
PLAN-PROFILE STA. 0+00 TO STA. 6+00

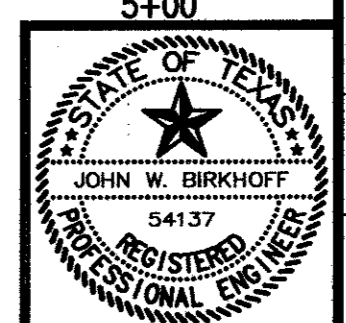
SHIMEK, JACOBS & FINKLEA, L.L.P.  
CONSULTING ENGINEERS  
Dallas, Texas

DESIGNED BY: J.W.B. PROJECT: 96162 SHEET NO. 8  
DRAWN BY: R.J.L. DATE: NOV., 1996 OF 12 SHEETS

REVISED TO CONFORM TO CONSTRUCTION RECORDS BY JWB DATE 8/26/97

THESE DOCUMENTS ARE FOR BIDDING, CONSTRUCTION, AND PERMIT PURPOSES.

John W. Biddell  
DATE: 1/20/97



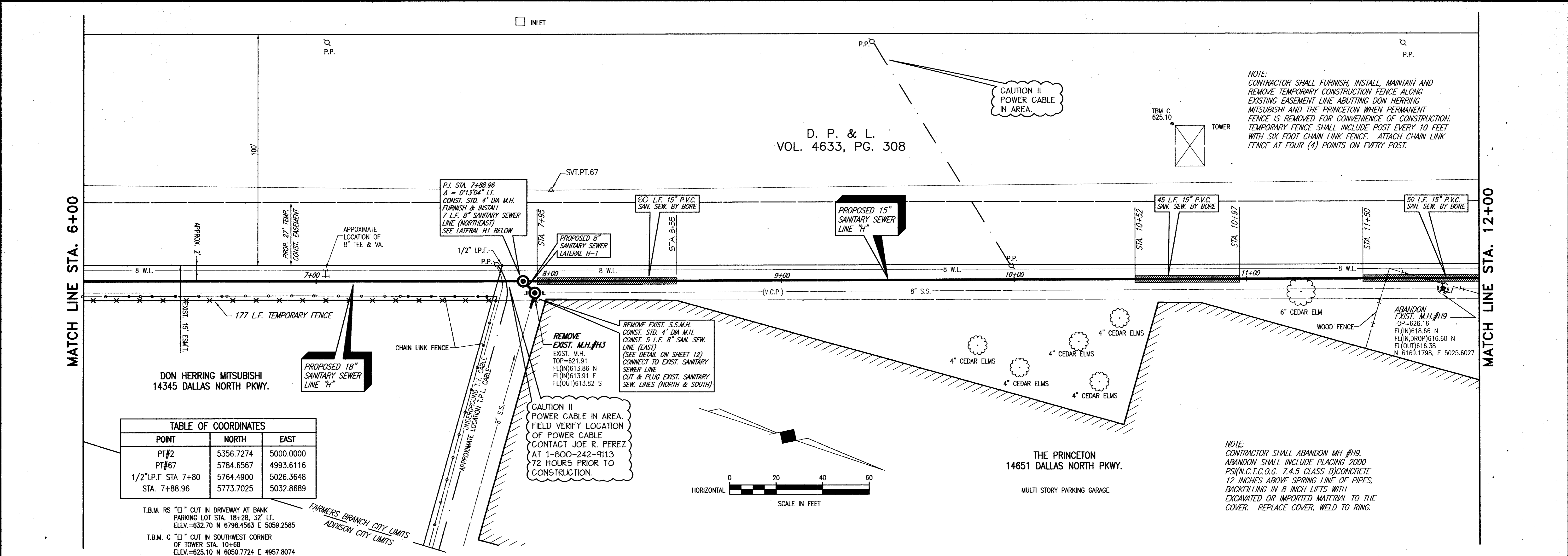


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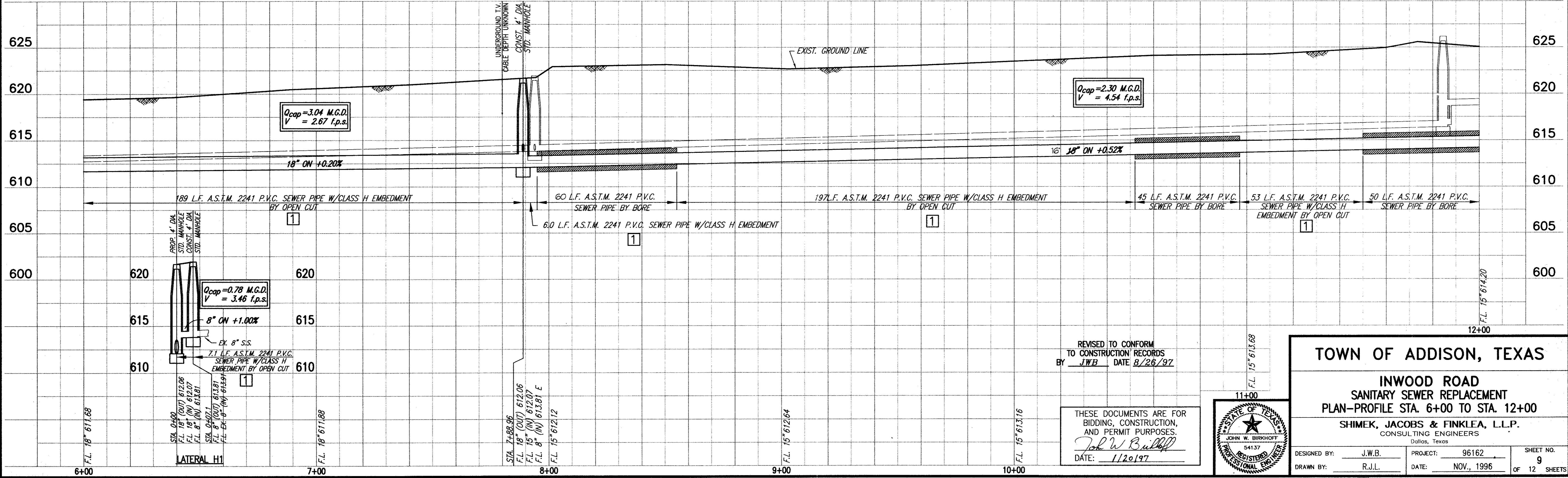
POINT	NORTH	EAST
PT#2	5356.7274	5000.0000
PT#67	5784.6567	4993.6116
1/2" I.P.F. STA 7+80	5764.4900	5026.3648
STA. 7+88.96	5773.7025	5032.8689

T.B.M. RS "□" CUT IN DRIVEWAY AT BANK PARKING LOT STA. 18+28.32' LT. ELEV.=632.70 N 6798.4563 E 5059.2585

T.B.M. C "□" CUT IN SOUTHWEST CORNER OF TOWER STA. 10+68 ELEV.=625.10 N 6050.7724 E 4957.8074

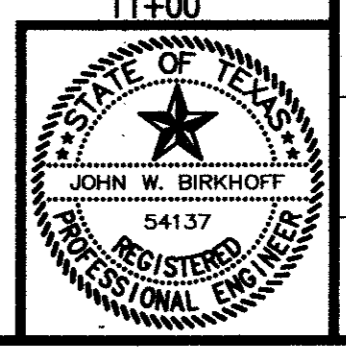
NOTE:  
CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE TEMPORARY CONSTRUCTION FENCE ALONG EXISTING EASEMENT LINE ABUTTING DON HERRING MITSUBISHI AND THE PRINCETON WHEN PERMANENT FENCE IS REMOVED FOR CONVENIENCE OF CONSTRUCTION. TEMPORARY FENCE SHALL INCLUDE POST EVERY 10 FEET WITH SIX FOOT CHAIN LINK FENCE. ATTACH CHAIN LINK FENCE AT FOUR (4) POINTS ON EVERY POST.

NOTE:  
CONTRACTOR SHALL ABANDON MH #H9. ABANDON SHALL INCLUDE PLACING 2000 PSI (N.C.T.C.O.G. 7.4.5 CLASS B) CONCRETE 12 INCHES ABOVE SPRING LINE OF PIPES, BACKFILLING IN 8 INCH LIFTS WITH EXCAVATED OR IMPORTED MATERIAL TO THE COVER. REPLACE COVER, WELD TO RING.



REVISED TO CONFORM TO CONSTRUCTION RECORDS BY JWB DATE 8/26/97

THESE DOCUMENTS ARE FOR BIDDING, CONSTRUCTION, AND PERMIT PURPOSES.  
*John W. Bullock*  
DATE: 11/20/97



**TOWN OF ADDISON, TEXAS**

**INWOOD ROAD  
SANITARY SEWER REPLACEMENT  
PLAN—PROFILE STA. 6+00 TO STA. 12+00**

**SHIMEK, JACOBS & FINKLEA, L.L.P.**  
CONSULTING ENGINEERS  
Dallas, Texas

DESIGNED BY: J.W.B. PROJECT: 96162 SHEET NO. 9  
DRAWN BY: R.J.L. DATE: NOV., 1996 OF 12 SHEETS

D. P. & L.  
VOL. 4633, PG. 308

NOTE: CONTRACTOR SHALL HAVE TO ELECTRIC FIELD LOCATE LOCATION OF UNDERGROUND CONDUIT IN THE VICINITY OF P.I. STA. 17+76.04. CONTRACTOR SHALL SHIFT PROPOSED MANHOLE LOCATION ALONG N-S LINE AND ADJUST HORIZONTAL ALIGNMENT OF E-W LINE AND NORTHEAST LINE TO AVOID ANY CONDUIT FOUND.

MATCH LINE STA. 12+00

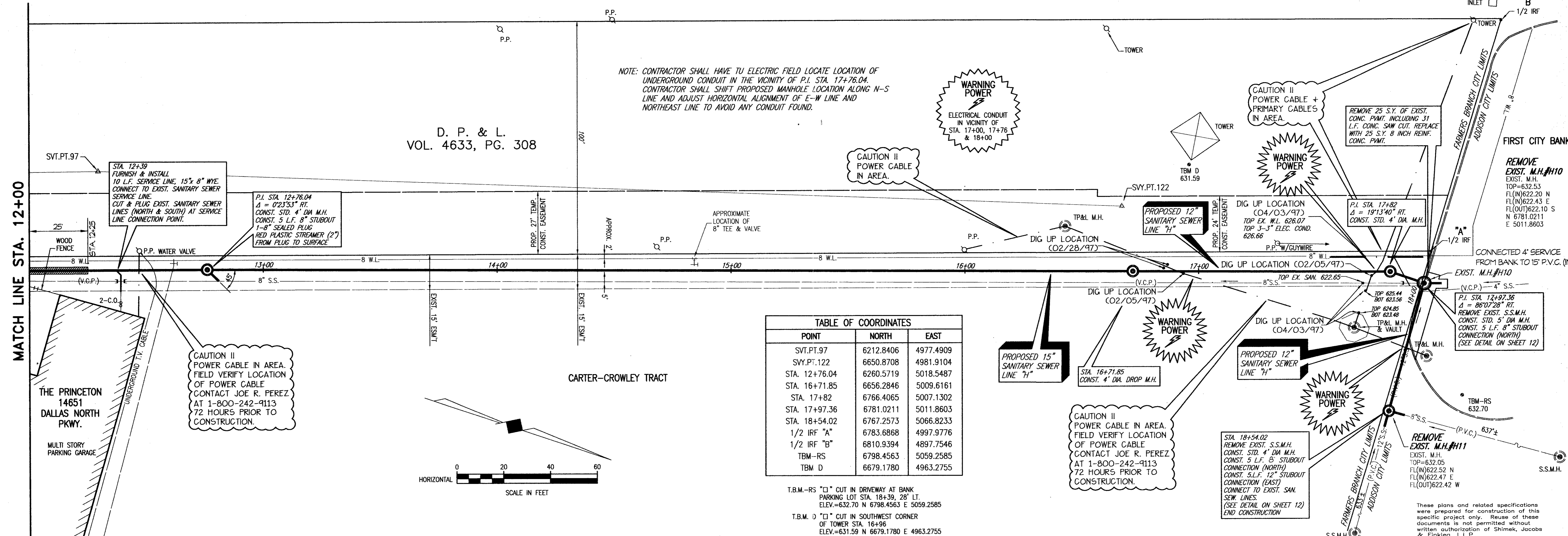
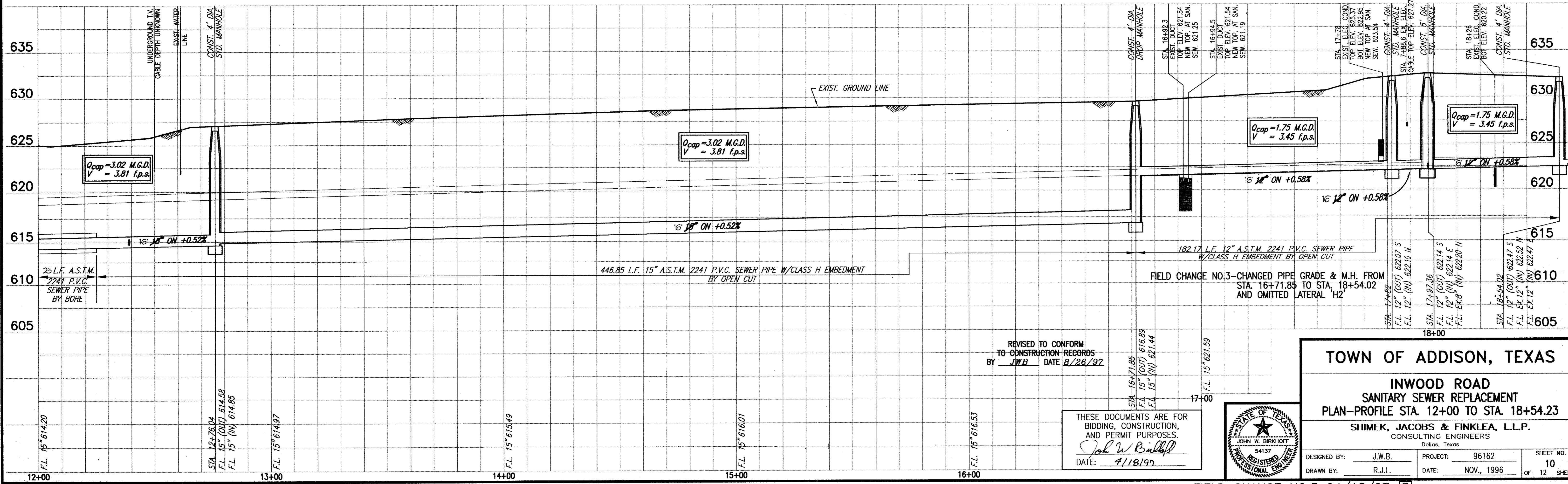
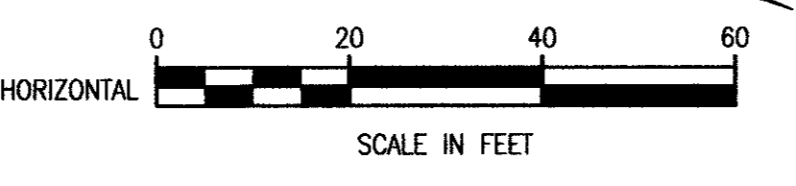


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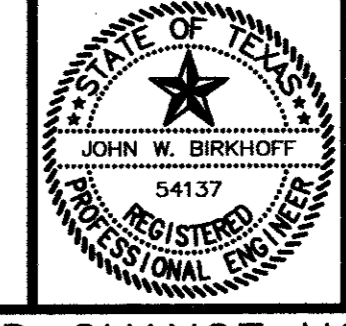
POINT	NORTH	EAST
SVT.PT.97	6212.8406	4977.4909
SVT.PT.122	6650.8708	4981.9104
STA. 12+76.04	6260.5719	5018.5487
STA. 16+71.85	6656.2846	5009.6161
STA. 17+82	6766.4065	5007.1302
STA. 17+97.36	6781.0211	5011.8603
STA. 18+54.02	6767.2573	5066.8233
1/2 IRF "A"	6783.6868	4997.9776
1/2 IRF "B"	6810.9394	4897.7546
TBM-RS	6798.4563	5059.2585
TBM D	6679.1780	4963.2755

T.B.M.-RS "□" CUT IN DRIVEWAY AT BANK PARKING LOT STA. 18+39, 28' LT. ELEV.=632.70 N 6798.4563 E 5059.2585  
 T.B.M. D "□" CUT IN SOUTHWEST CORNER OF TOWER STA. 16+96 ELEV.=631.59 N 6679.1780 E 4963.2755



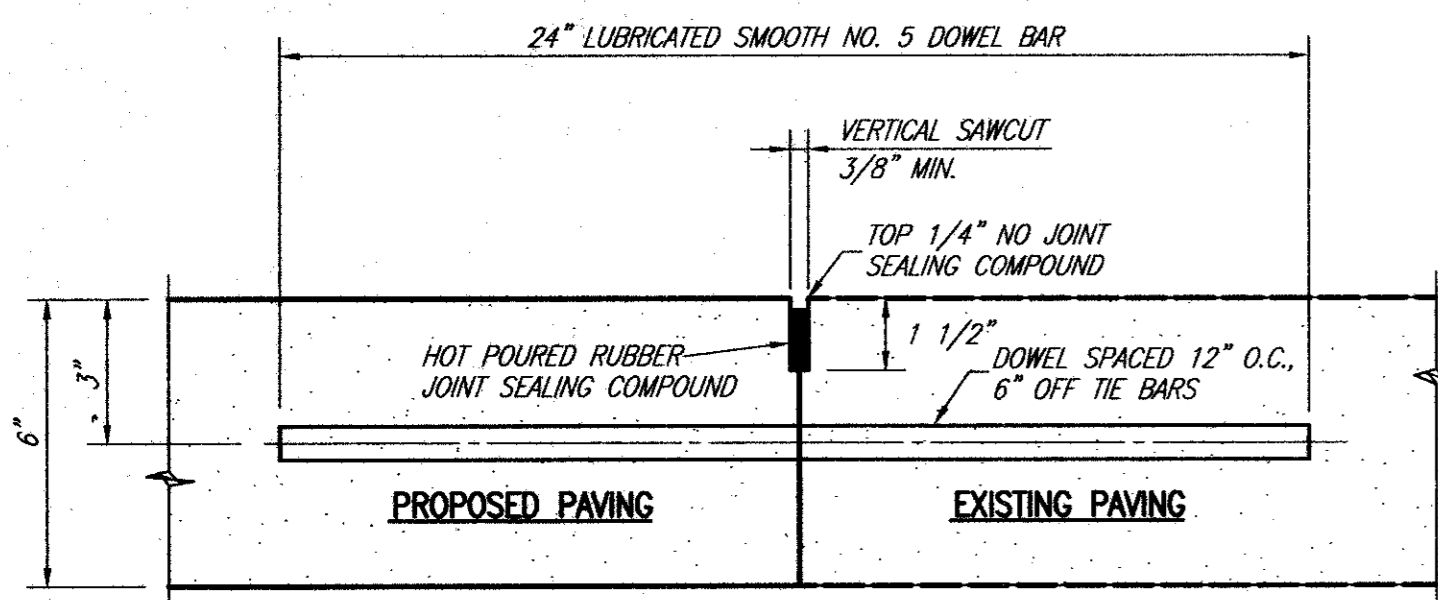
REVISED TO CONFORM TO CONSTRUCTION RECORDS BY JWB DATE 8/26/97

THESE DOCUMENTS ARE FOR BIDDING, CONSTRUCTION, AND PERMIT PURPOSES.  
 John W. Birkhoff  
 DATE: 9/18/97



TOWN OF ADDISON, TEXAS  
 INWOOD ROAD  
 SANITARY SEWER REPLACEMENT  
 PLAN-PROFILE STA. 12+00 TO STA. 18+54.23  
 SHIMEK, JACOBS & FINKLEA, L.L.P.  
 CONSULTING ENGINEERS  
 Dallas, Texas

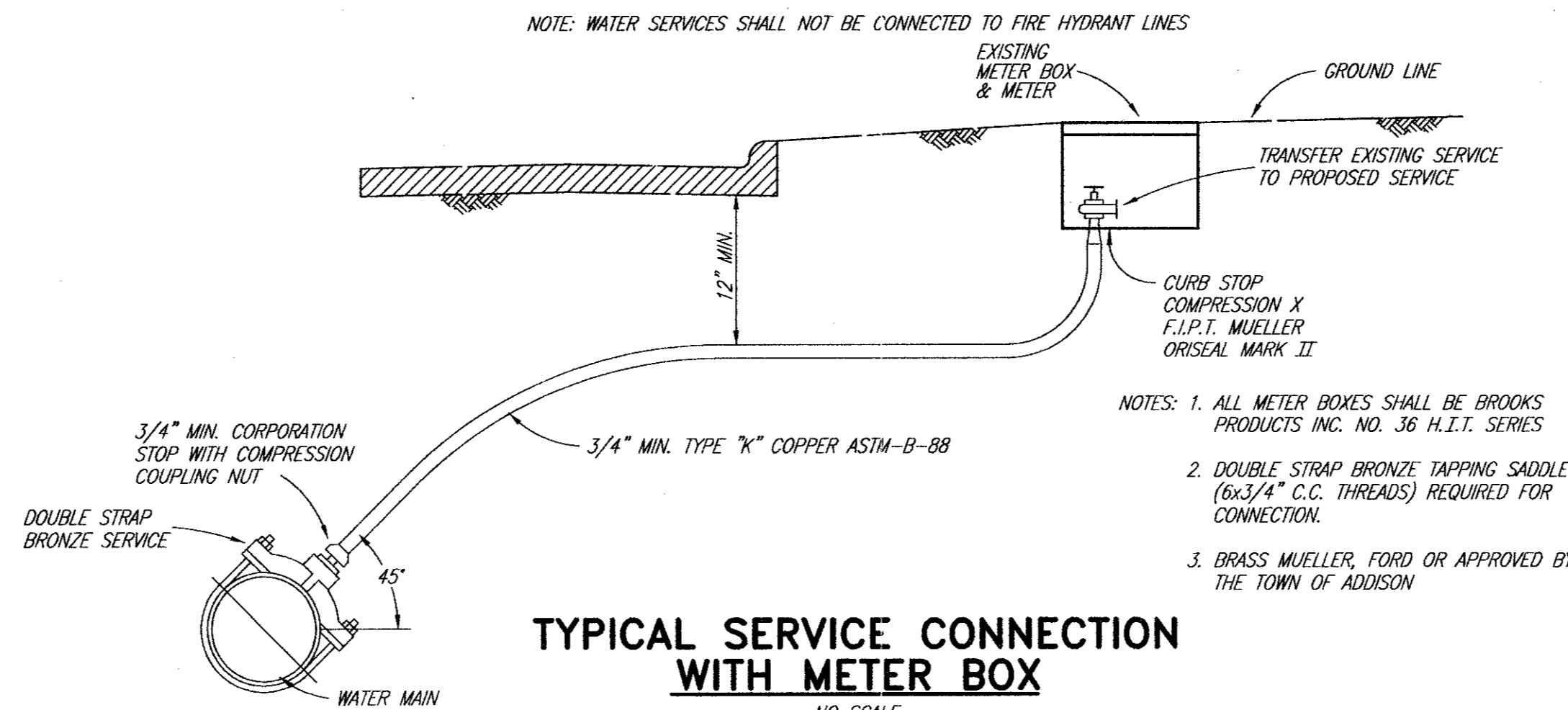
DESIGNED BY: J.W.B. PROJECT: 96162 SHEET NO. 10  
 DRAWN BY: R.J.L. DATE: NOV., 1996 OF 12 SHEETS



NOTE: DOWEL BARS SHALL BE DRILLED INTO PAVEMENT HORIZONTALLY BY USE OF A MECHANICAL RIG. DRILLING BY HAND IS NOT ACCEPTABLE. PUSHING DOWEL BARS INTO GREEN CONCRETE IS NOT ACCEPTABLE.

**CONNECTION TO EXISTING PAVEMENT**

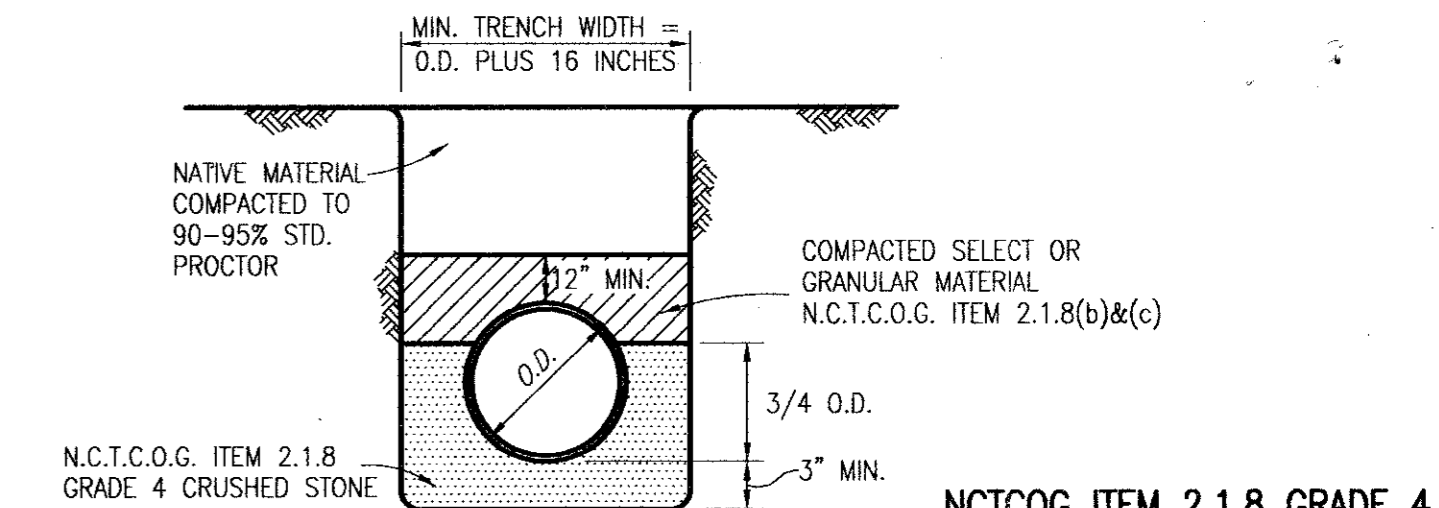
NOT TO SCALE



**TYPICAL SERVICE CONNECTION WITH METER BOX**

NO SCALE

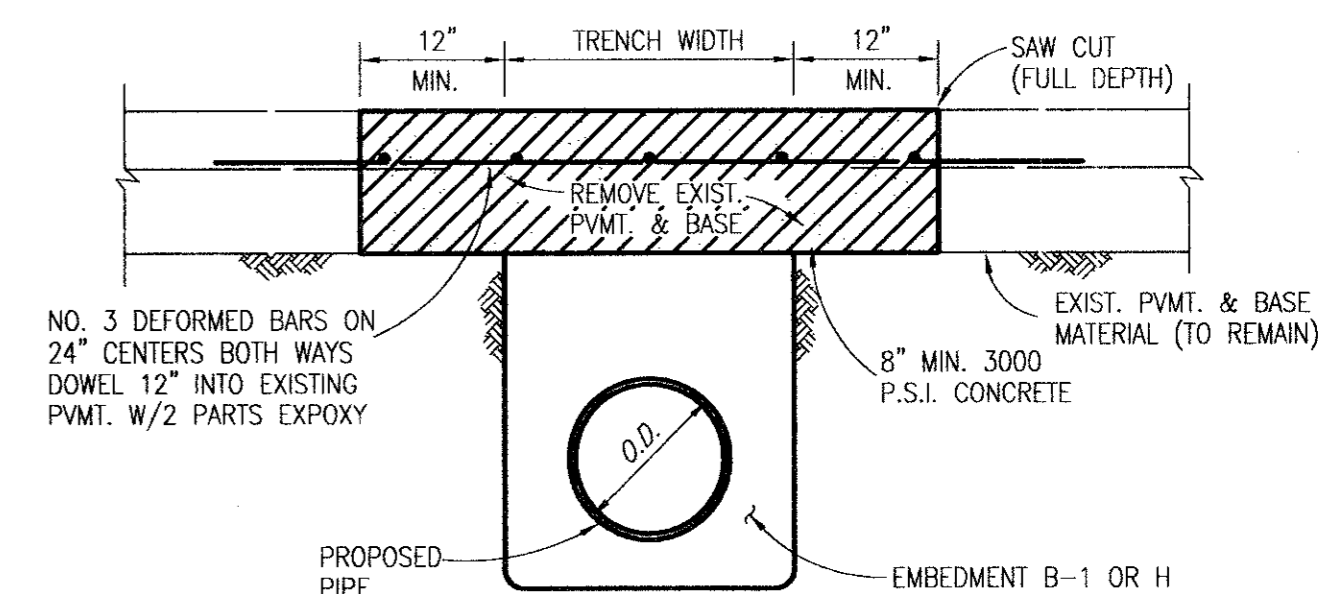
TYPE "K" COPPER SERVICE PIPE SOMET ANNEALED	DOUBLE STRAP BRONZE SERVICE SADDLE WITH C.C. THREADS
3/4" INCH	3/4" INCH
1 INCH	1 INCH
1 1/2 INCH	1 1/2 INCH
2 INCH	2 INCH



**CLASS B-1 EMBEDMENT**  
P.V.C. WATER INSTALLATION

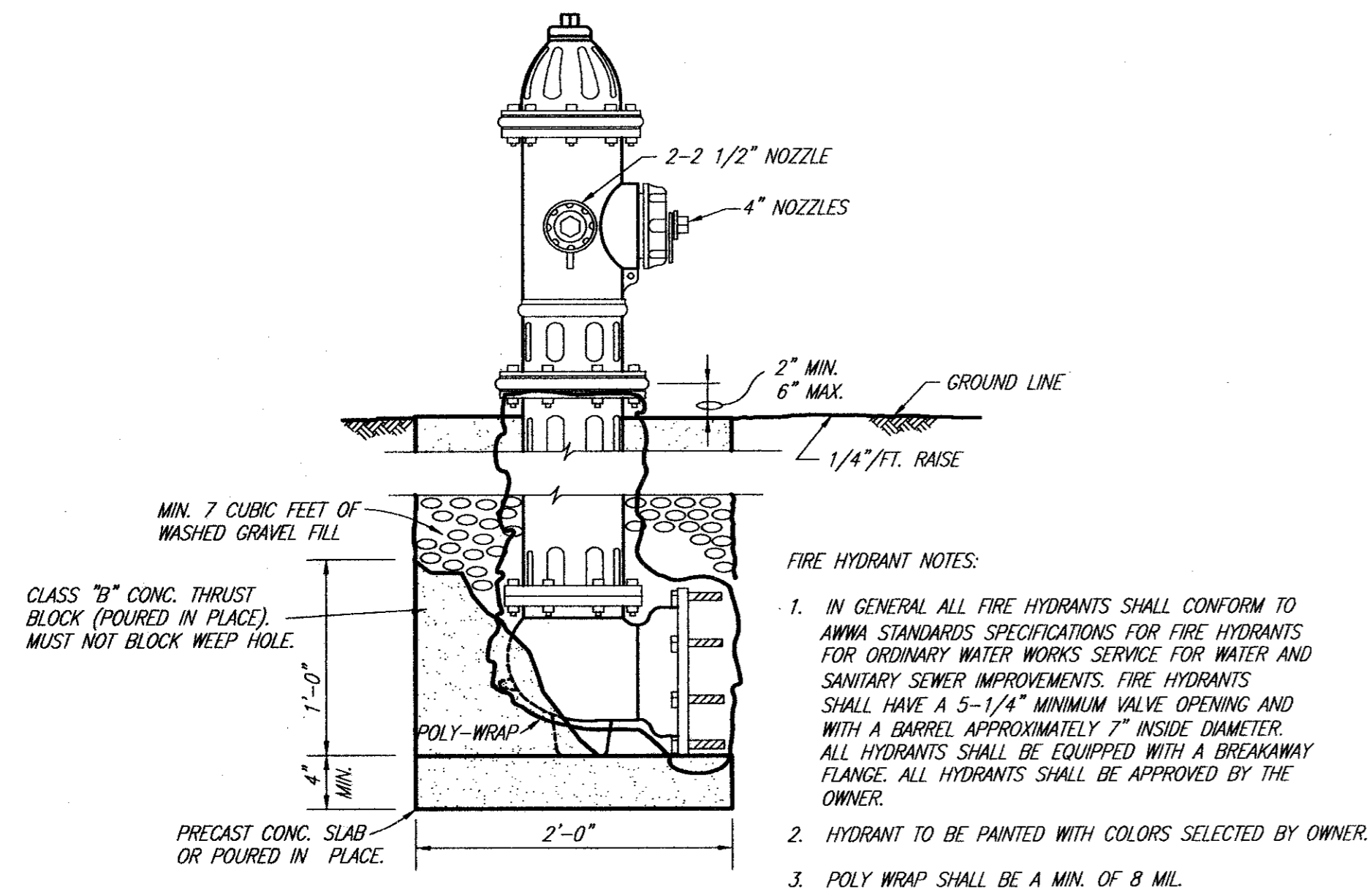
N.C.T.C.O.G. ITEM 2.1.8 GRADE 4 CRUSHED STONE

STANDARD CRUSHED STONE SIEVE SIZE	% RETAINED
1-1/2 INCH	0
1 INCH	0-5
1/2 INCH	45-75
NO. 4	90-100
NO. 8	95-100
BRIDGE PORT CRUSHED LIMESTONE	



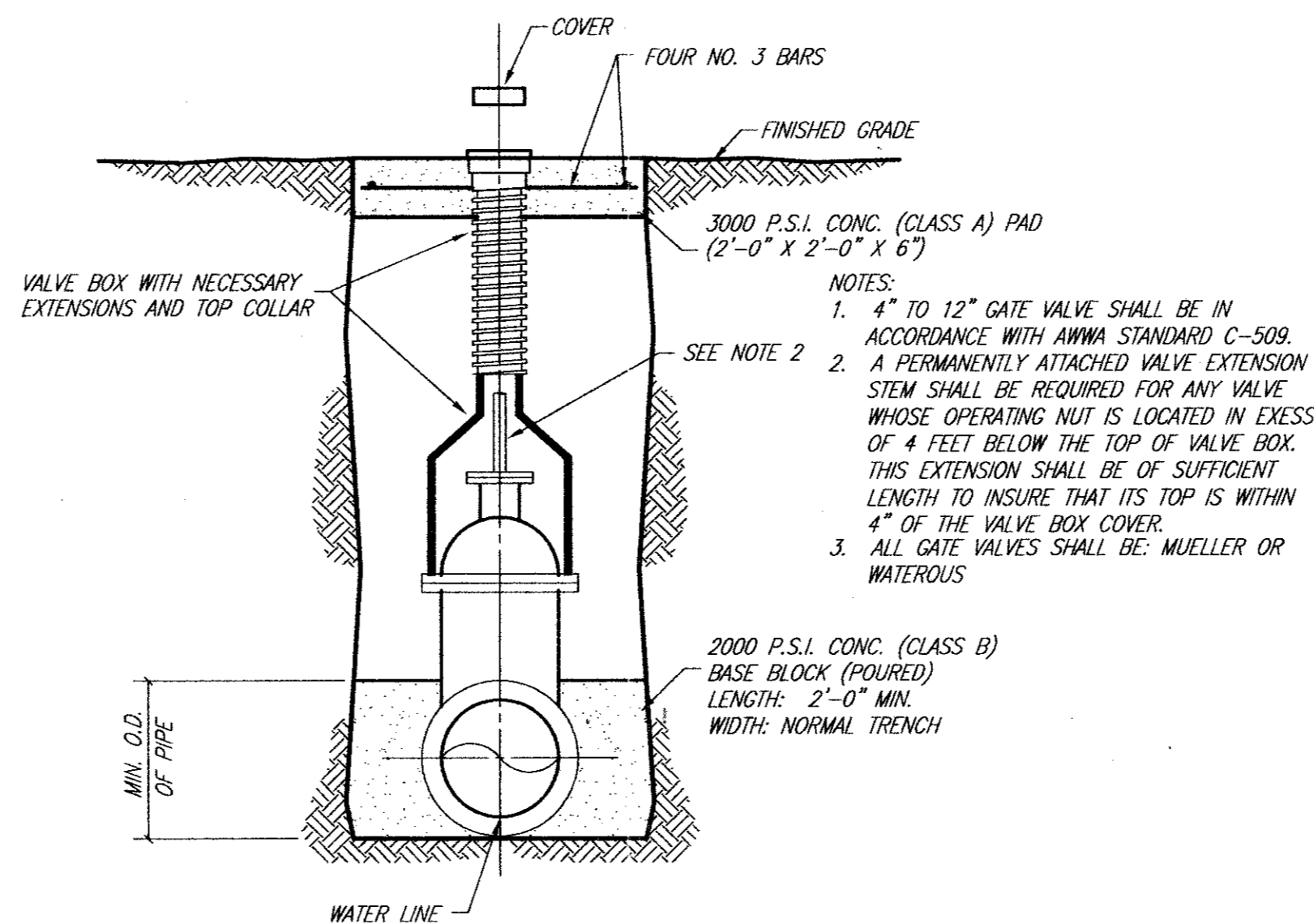
**EMBEDMENT AT DRIVEWAY CUT**

NOT TO SCALE



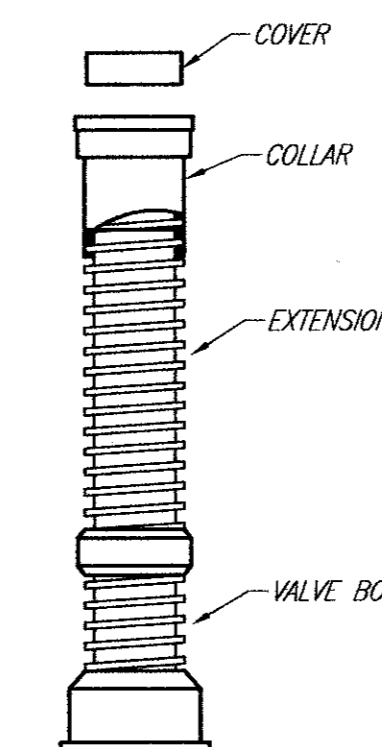
**TYPICAL FIRE HYDRANT INSTALLATION**

NO SCALE



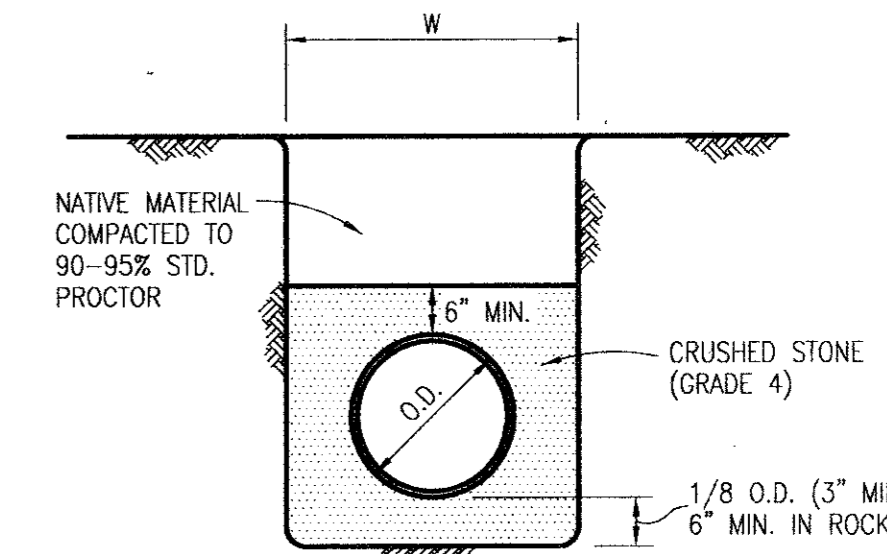
**VALVE SETTING & BOX**

NO SCALE



**VALVE BOX WITH EXTENSION**

NO SCALE



**CLASS H EMBEDMENT**

P.V.C. PIPE ONLY  
STD. P.V.C. SEWER

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REVISED TO CONFORM TO CONSTRUCTION RECORDS BY JWB DATE 8/26/97

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DATE: 11/20/96

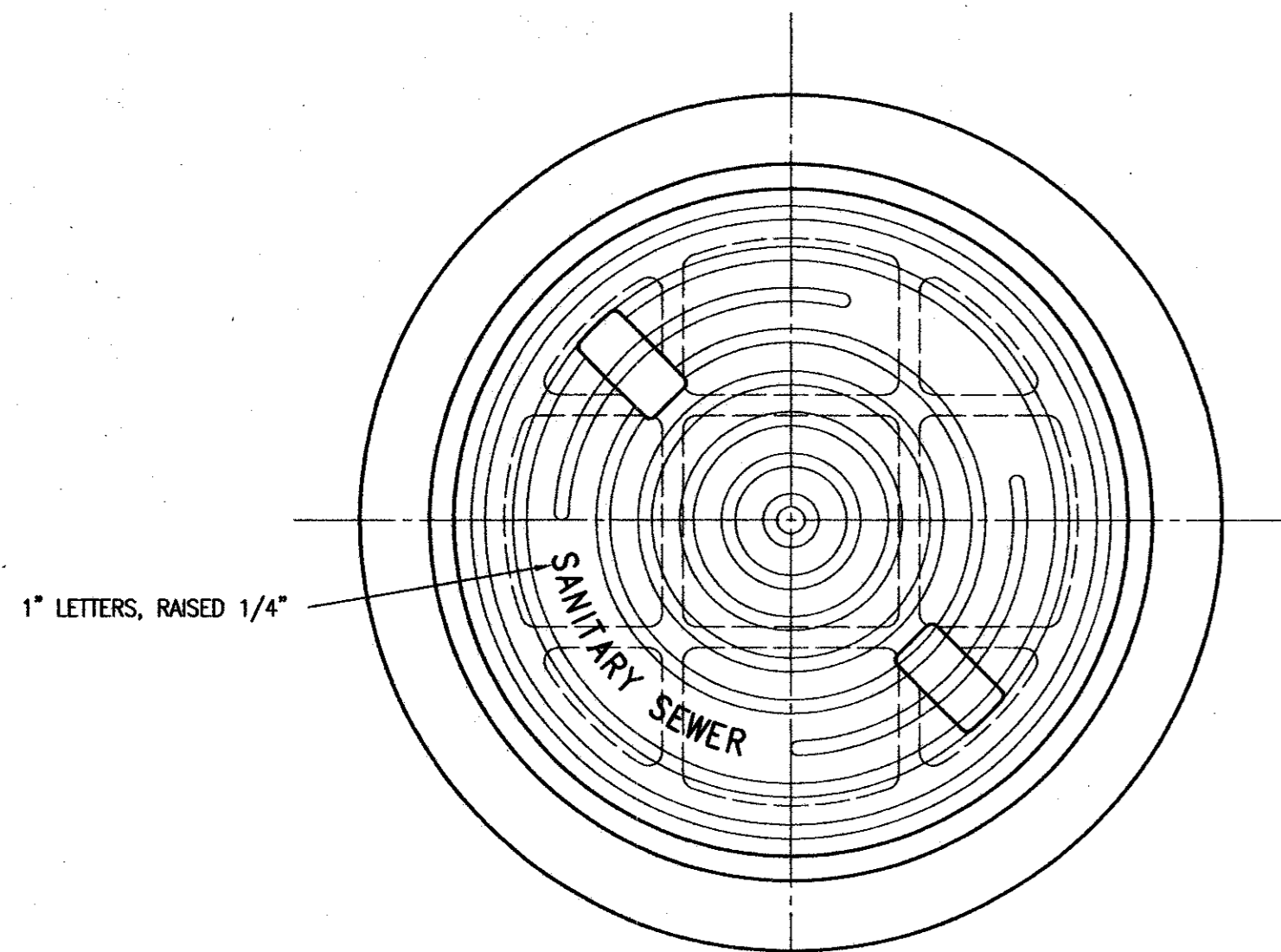


TOWN OF ADDISON, TEXAS

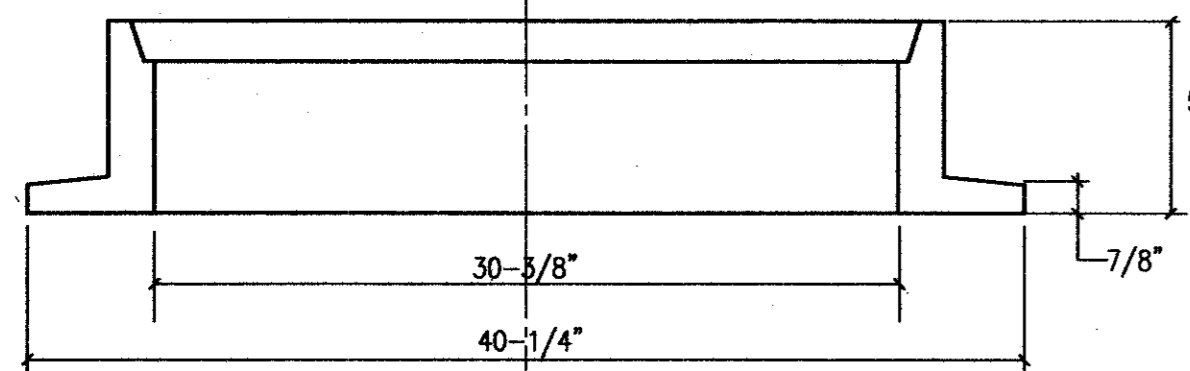
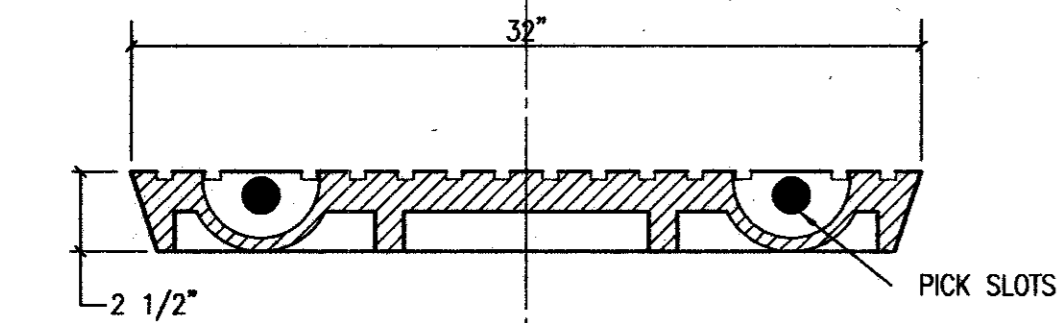
DETAIL SHEET

SHIMEK, JACOBS & FINKLEA  
CONSULTING ENGINEERS  
Dallas, Texas

DESIGNED BY: J.W.B.	PROJECT: 96104	SHEET NO. 11
DRAWN BY: R.J.L.	DATE: NOV., 1996	OF 12 SHEETS



1" LETTERS, RAISED 1/4"



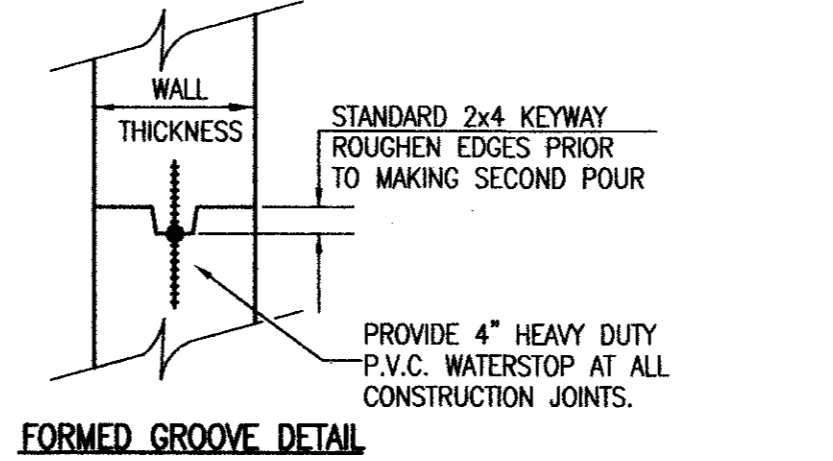
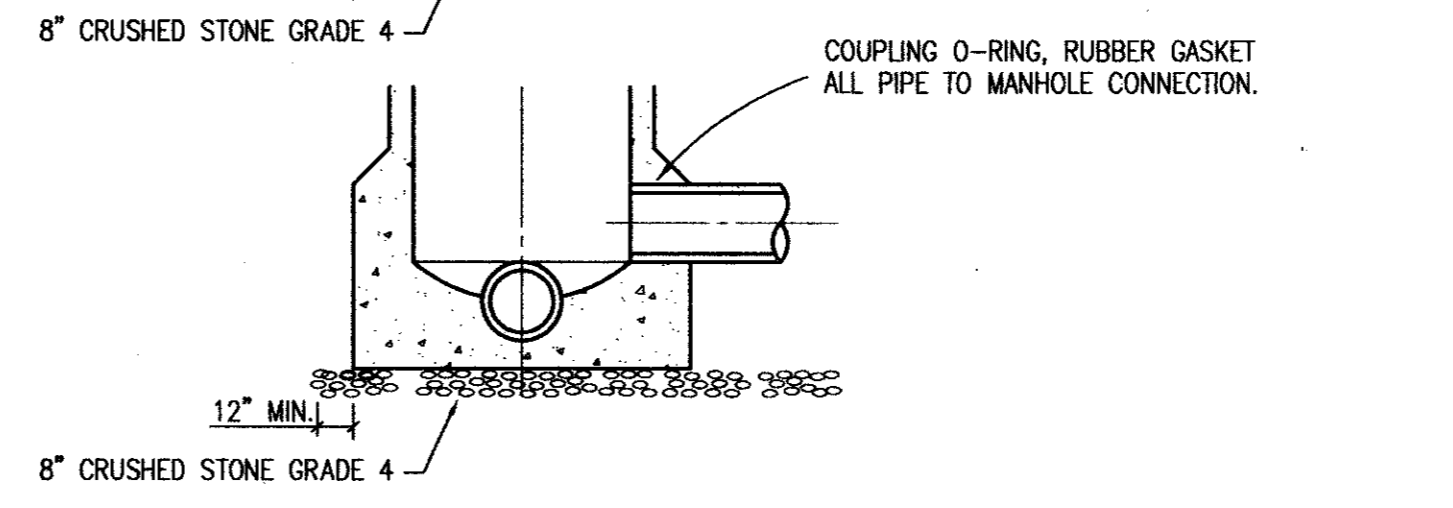
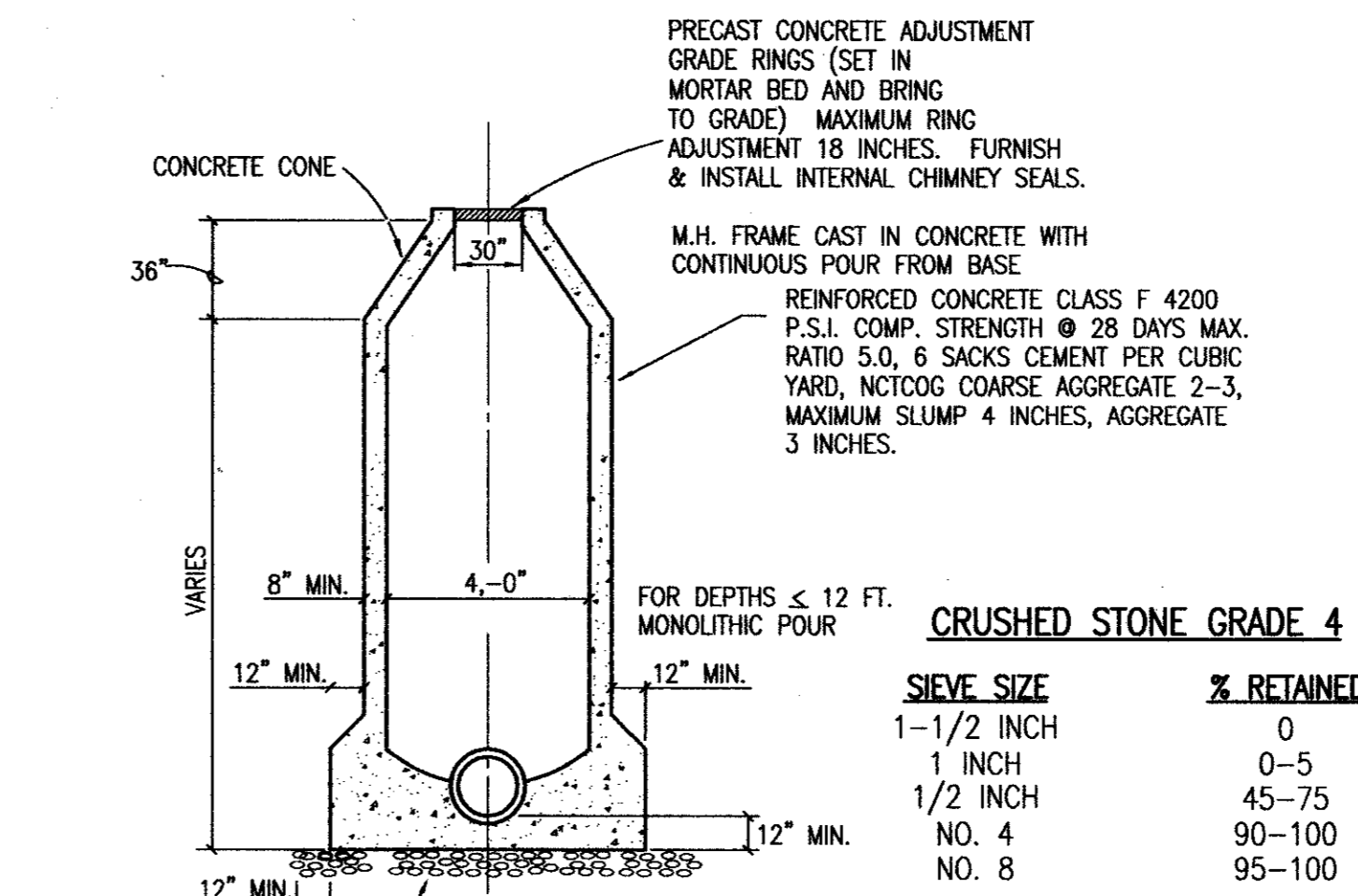
**MANHOLE RING AND COVER**

MANHOLE RING & COVER SHALL BE 455 LBS MIN. WT.

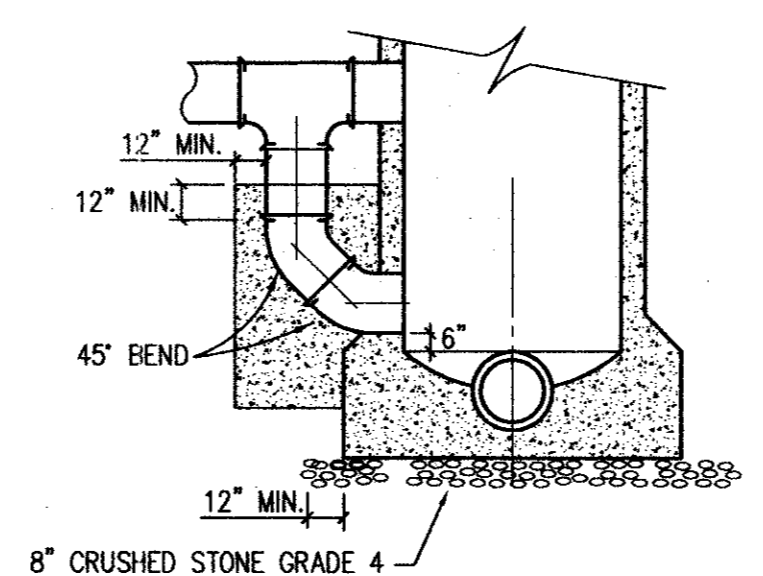
**GENERAL NOTES**

(NOTES APPLY TO ALL SHEETS)

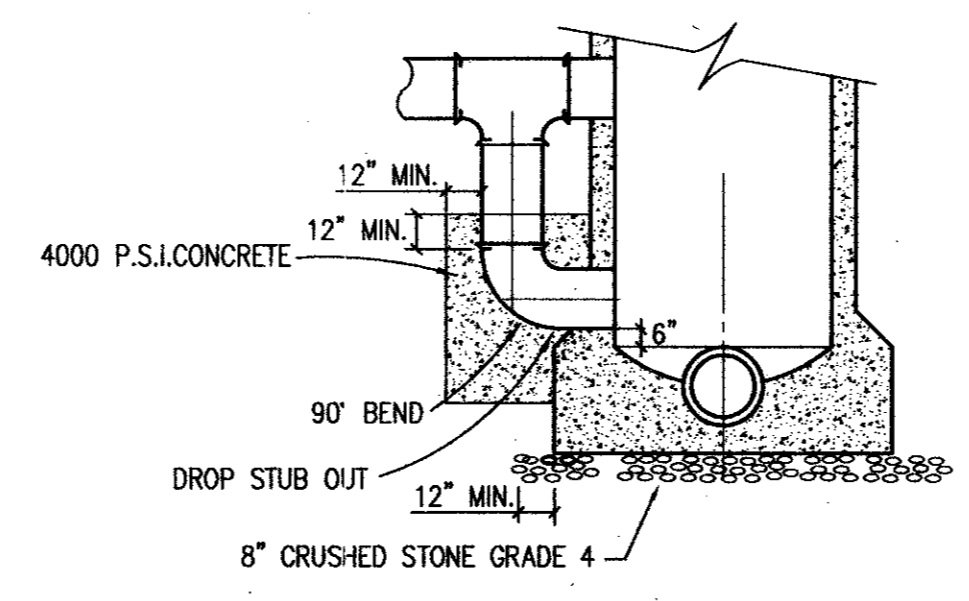
1. REASONABLE EFFORT HAS BEEN MADE TO SHOW THE LOCATION OF ALL KNOWN UNDERGROUND UTILITIES AND SERVICE LINES. HOWEVER, THE OWNER ASSUMES NO RESPONSIBILITY FOR FAILURE TO SHOW ANY OR ALL EXISTING SUBSURFACE OR SURFACE UTILITIES OR UTILITY LINES, OR TO SHOW THEM IN THEIR EXACT LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES, SERVICE LINES OR THE LIKE, WHICH ARE CROSSED OR EXPOSED BY THE CONSTRUCTION OPERATION.
2. CONTRACTOR SHALL NOTIFY UTILITY COMPANIES 72 HOURS PRIOR TO CONSTRUCTION
  - A. T.U. ELECTRIC
  - B. SOUTHWESTERN BELL TELEPHONE
  - C. LONE STAR GAS
3. PRIOR TO CONSTRUCTION OF PROPOSED LINES, THE CONTRACTOR SHALL LOCATE AND UNCOVER ALL SERVICE LINES AND VERIFY THAT EACH CAN BE CONNECTED TO THE PROPOSED MAIN LINE.
4. ALL WYES, STACKS AND PIPE SERVICE CONNECTIONS SHALL BE P.V.C. (SDR-35).
5. ALL PAVEMENT SHALL BE SAWCUT FOR TRENCHES. SAWCUTS SHALL BE FULL DEPTH.
6. ALL CONCRETE PAVEMENT (ROADWAYS, CURB & GUTTERS, DRIVES, AND SIDEWALKS, ETC.) SHALL HAVE EXISTING STEEL SPLICED INTO PROPOSED CONCRETE REPLACEMENT STEEL. IF BARS CAN NOT BE LOCATED OR SPLICED, 18 INCH LONG NO. 4 DOWELS SHALL BE DRILLED INTO EXISTING PAVEMENT. CONTRACTOR SHALL UTILIZE A DRILLING RIG TO DRILL HOLES FOR DOWEL BARS. CONTRACTOR SHALL UTILIZE PROPER BITS AND PRESSURE, AS NOT TO DAMAGE EXISTING CONCRETE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGED PAVEMENT AND REPAIR AT HIS OWN COST.
7. ALL MANHOLE/PIPE CONNECTIONS SHALL INCLUDE A COUPLING WITH O-RING RUBBER GASKET, KOR-N-SEAL, A-LOK OR APPROVED EQUAL.
8. ALL EXISTING SEWER LINES, WHICH ARE TO BE PLUGGED, SHALL BE PLUGGED WITH A MINIMUM OF 18 INCHES OF 2000 P.S.I. (N.C.T.C.O.G. ITEM 7.4.5 CLASS B) CONCRETE. THE 18 INCHES OF SEWER LINE TO BE PLUGGED SHALL BE CLEANED PRIOR TO PLUGGING. THE CONTRACTOR SHALL PROTECT ALL UNDERGROUND SPRINKLER SYSTEMS. ALL DAMAGES CAUSED BY CONSTRUCTION SHALL BE REPAIRED. ALL COST SHALL BE BORNE BY THE CONTRACTOR. ALL REPAIR WORK SHALL BE COMPLETED BY LICENSED IRRIGATOR.
9. CONTRACTOR SHALL FURNISH, PLACE AND MAINTAIN SOLID SOD IN ALL DISTURBED AREAS FROM CONSTRUCTION ALONG BELTWOOD PKWY AND BETWEEN INWOOD RD. SAN. SEW. REPLACEMENT STA. 7+80 TO 19+00. ALL OTHER AREAS SHALL BE FINE GRADING WITHOUT SEEDING OR SOD. THE CONTRACTOR SHALL WATER, FERTILIZE AND MAINTAIN THE SODDED AREAS FOR A PERIOD OF NO LESS THAN 72 HOURS. EACH DAY, THE CONTRACTOR SHALL WATER THE SOD UNTIL THE PROPERTY OWNER ASSUMES RESPONSIBILITY OF THE SODDED AREA. SODDING SHALL BE SOLID SOD OF THE PREDOMINANT GRASS IN THE AREA. SOD SHALL BE LAID END TO END AND SIDE TO SIDE.
10. CONTRACTOR SHALL HAVE TU ELECTRIC SUPPORT POWER POLES DURING CONSTRUCTION OF SEWER LINE.
11. CONTRACTOR SHALL FIELD LOCATE ALL KNOWN UTILITY CROSSINGS AT PROPOSED SEWER LINE TO DETERMINE IF CONFLICT EXISTS. IF CONFLICT EXISTS CONTRACTOR SHALL ADJUST UTILITY TO CLEAR PROPOSED SEWER LINE.
12. CONTRACTOR SHALL REMOVE TREES AS SHOWN ON THE PLANS. REMOVAL SHALL INCLUDE REMOVING THE ROOTS. TREES SHALL BE DISPOSED OFF SITE OR MULCHED ON SITE AND SPREAD WITHIN THE EASEMENT.
13. CONTRACTOR SHALL ABANDON EXISTING MANHOLES AS SHOWN IN THE PLAN. ABANDON SHALL INCLUDE PLACING 2000 PSI (N.C.T.C.O.G. ITEM 7.4.5 CLASS B) CONCRETE 12 INCHES ABOVE SPRING LINE OF PIPES, BACKFILLING IN 8 INCH LIFTS WITH EXCAVATED OR IMPORTED MATERIAL. REMOVE RING, COVER AND CONE. BACKFILL TOP 12 INCHES WITH IMPORTED TOPSOIL. (M.H. H2).
14. ALL FENCE REMOVED FOR CONVENIENCE OF CONSTRUCTION SHALL BE RECONSTRUCTED. ALL POST SHALL BE SET IN NEW CONCRETE. ALL TIES SHALL BE NEW.
15. CONCRETE PAVEMENT REPLACEMENT SHALL BE N.C.T.C.O.G. ITEM 7.4.5, CLASS A CONCRETE, 3000 PSI COMPRESSIVE STRENGTH @ 28 DAYS MINIMUM 5 SACK CEMENT PER CUBIC YARD. MAXIMUM W/C = 6.5 REINFORCING SHALL BE NO. 3 DEFORMED BARS ON 18 INCH CENTERS.
16. MANHOLES SHALL BE PLUMB TO WITHIN 1" FOR EVERY 5 FT. OF VERTICAL DEPTH, PRECAST OR IN PLACE.
17. MANHOLES OVER 12 FT. DEEP SHALL HAVE NO. 3 BARS @ 18" O.C.E.W. AND IF NOT POURED MONOLITHIC COLD JOINTS SHALL HAVE A FORMED GROOVE OR REINFORCING DOWELS FOR SHEAR PROTECTION; CONSTRUCTION JOINTS SHALL HAVE HEAVY DUTY P.V.C. WATERSTOP 9-INCHES IN THE DIRECTION PERPENDICULAR TO THE JOINT AS MANUFACTURED BY B.F. GOODRICH OR APPROVED EQUAL.
18. CONTRACTOR SHALL HAVE A LICENSED LANDSCAPE FIRM TRIM EXISTING TREES FOR CONSTRUCTION PURPOSES.
19. EXISTING FIRE HYDRANTS AND VALVES SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTORS.
20. ALL VALVES SHALL BE RESILIENT SEATED WEDGE.
21. ACCEPTABLE FIRE HYDRANTS ARE MUELLER, CLOW & WATEROUS.
22. LOCATE FIRE HYDRANTS SIX FEET BEHIND BACK OF CURB OR AS DIRECTED BY THE TOWN INSPECTOR.
23. TWO WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES. ACCESS TO BUSINESS SHALL BE MAINTAINED AT ALL TIMES. CONTRACTOR SHALL FURNISH, PLACE, MAINTAIN AND REMOVE BARRICADES IN ACCORDANCE WITH THE TxDOT'S MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
24. ALL SIGNS REMOVED FOR CONSTRUCTION SHALL BE REESTABLISHED BY THE CONTRACTOR. POSTS SET IN CONCRETE SHALL HAVE EXISTING CONCRETE REMOVED AND NEW CONCRETE PLACED.
25. PRE CAST MANHOLES ARE NOT ACCEPTABLE. ALL MANHOLES SHALL BE CAST IN PLACE.



**STANDARD CAST IN PLACE MANHOLE**



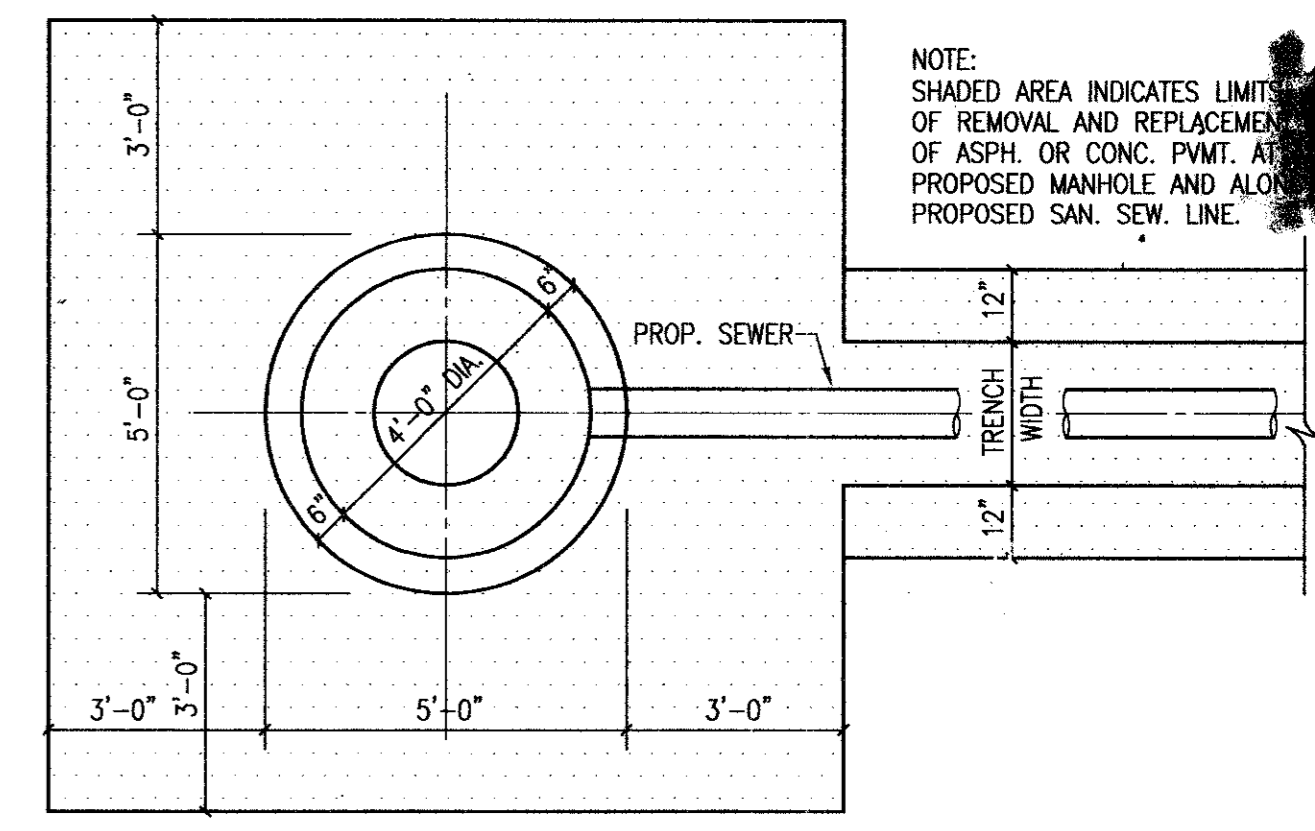
**MANHOLE W/45° DROP CONNECTION**



**MANHOLE W/90° DROP CONNECTION**

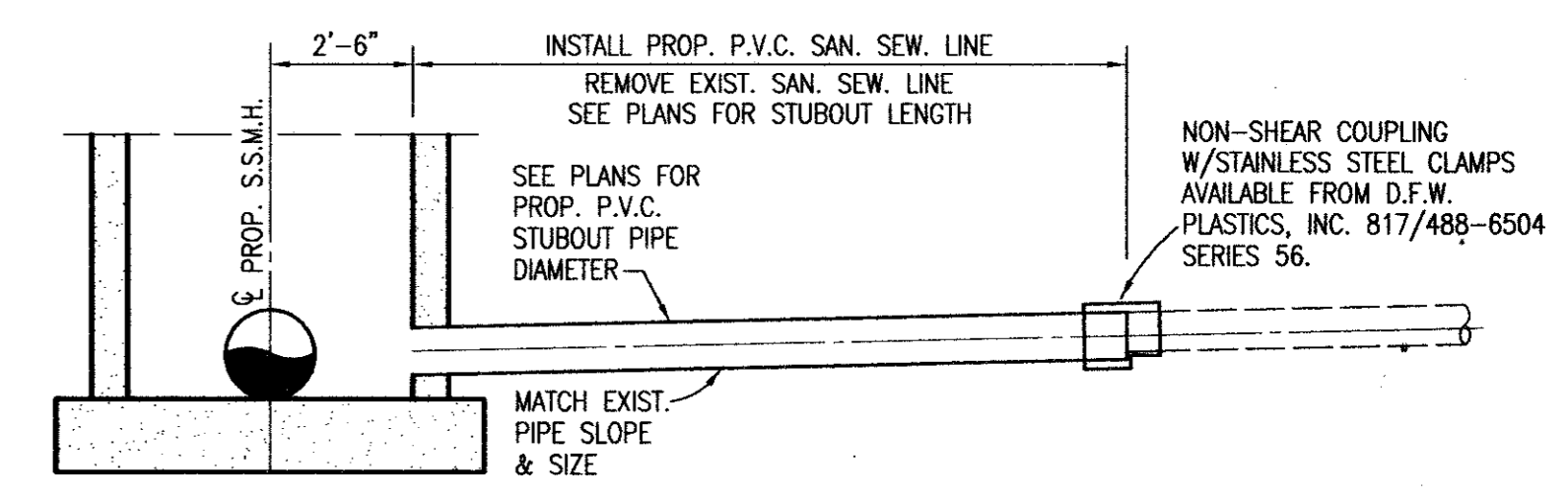
REVISED TO CONFORM TO CONSTRUCTION RECORDS BY JWB DATE 8/26/97

THESE DOCUMENTS ARE FOR BIDDING, CONSTRUCTION, AND PERMIT PURPOSES.  
*John W. Birkhoff*  
DATE: 11/20/96



**LIMITS OF REMOVAL AND REPLACING OF PAVEMENT**

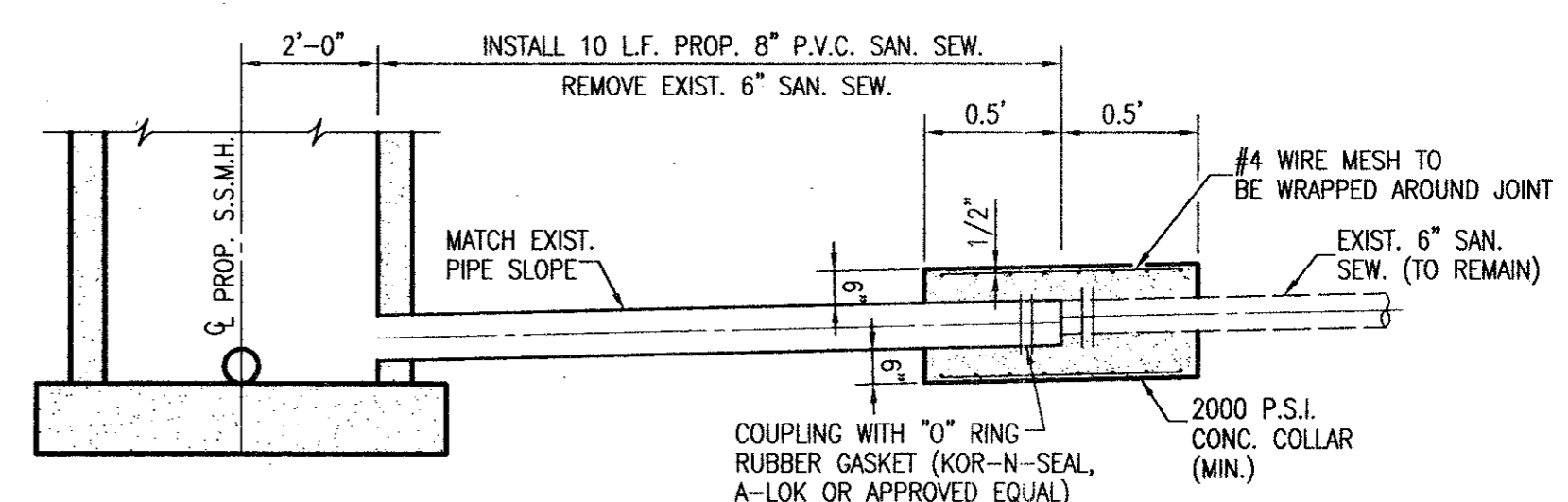
NO SCALE



**STUBOUT CONNECTION DETAIL 6" & 8" LINES**

NO SCALE

NOTE: MATCH SOFFITS UPSTREAM OF MANHOLE. MATCH FLOWLINES DOWNSTREAM OF MANHOLE.



**STUBOUT CONNECTION DETAIL 10" & LARGER**

NOT TO SCALE

NOTE: MATCH SOFFITS UPSTREAM OF MANHOLE. MATCH FLOWLINES DOWNSTREAM OF MANHOLE.

TOWN OF ADDISON, TEXAS

DETAIL & GENERAL NOTES SHEET

SHIMEK, JACOBS & FINKLEA, L.L.P.  
CONSULTING ENGINEERS  
Dallas, Texas

DESIGNED BY: J.W.B.	PROJECT: 96162	SHEET NO. 12
DRAWN BY: R.J.L.	DATE: NOV., 1996	OF 12 SHEETS

