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TNP PROJECT NUMBER: ADD 01333

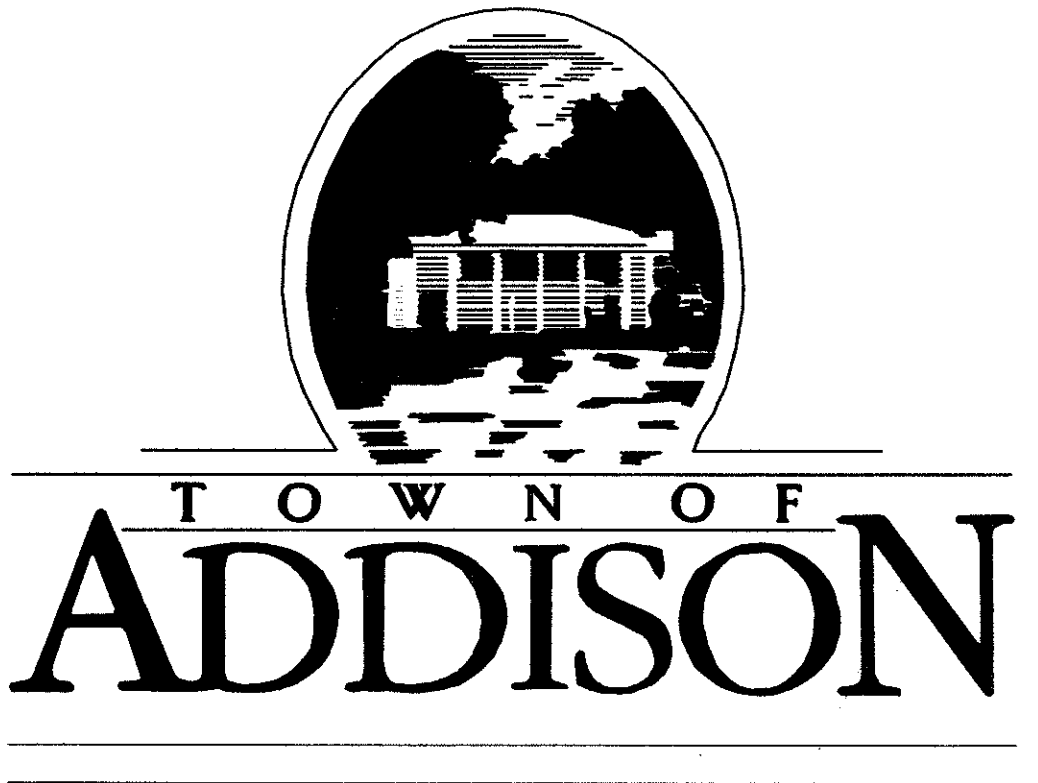
TOWN OF ADDISON, TEXAS

CONSTRUCTION PLANS FOR

WRIGHT BROTHERS / WILEY POST

WATER LINE REPLACEMENT

ADDISON, TEXAS



MAYOR
R. SCOTT WHEELER

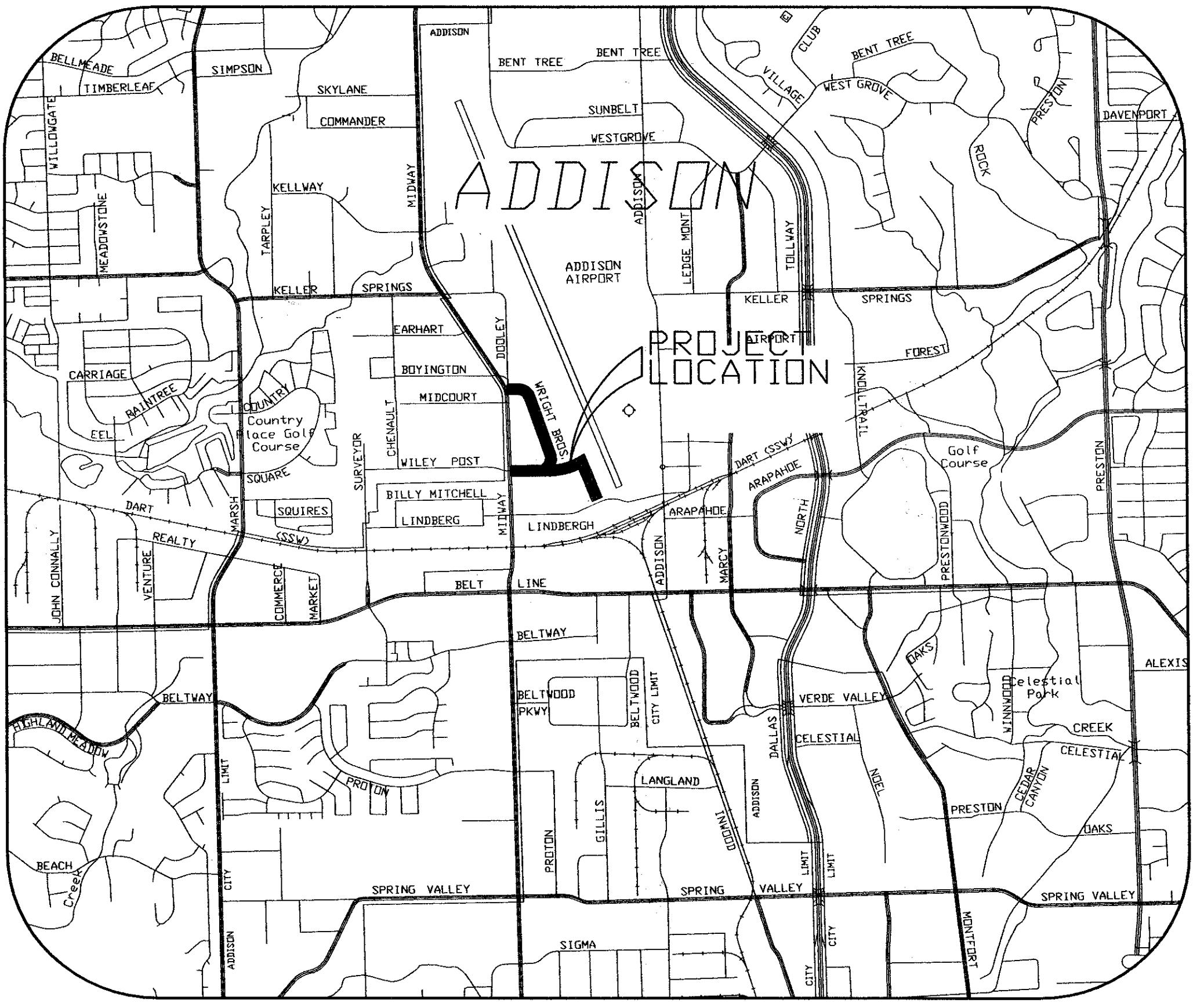
MAYOR PRO-TEM
CATHY WAYS

DEPUTY MAYOR PRO-TEM
BOB BARRETT

COUNCIL MEMBERS
DIANE MALLORY
GLYNDA TURNER
JOE CHOW
FREDERICK M. SILVER

CITY MANAGER
RON WHITEHEAD

PUBLIC WORKS DIRECTOR
MICHAEL MURPHY, P.E.



LOCATION MAP

JULY 2002



TEAGUE NALL AND PERKINS
CONSULTING ENGINEERS

SHEET INDEX

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES & LEGEND
3	WATER LINE PLAN - WRIGHT BROTHERS STA. 0+00.00 TO STA. 5+00.00
4	WATER LINE PLAN - WRIGHT BROTHERS STA. 5+00.00 TO STA. 10+00.00
5	WATER LINE PLAN - WRIGHT BROTHERS STA. 10+00.00 TO STA. 15+00.00
6	WATER LINE PLAN - WRIGHT BROTHERS STA. 15+00.00 TO STA. 17+33.34
7	WATER LINE PLAN - WILEY POST STA. 0+00.00 TO STA. 5+00.00
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9	WATER LINE PLAN - WILEY POST STA. 10+00.00 TO STA. 15+00.00
10	WATER LINE PLAN - WILEY POST STA. 15+00.00 TO STA. 18+84.98
11	MISCELLANEOUS DETAILS 1
12	MISCELLANEOUS DETAILS 2



Mark E. Riddle
MARK E. RIDDLE, P.E.
DATE: 07.10.02

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WRIGHT BROTHERS / WILEY POST WATER LINE REPLACEMENT

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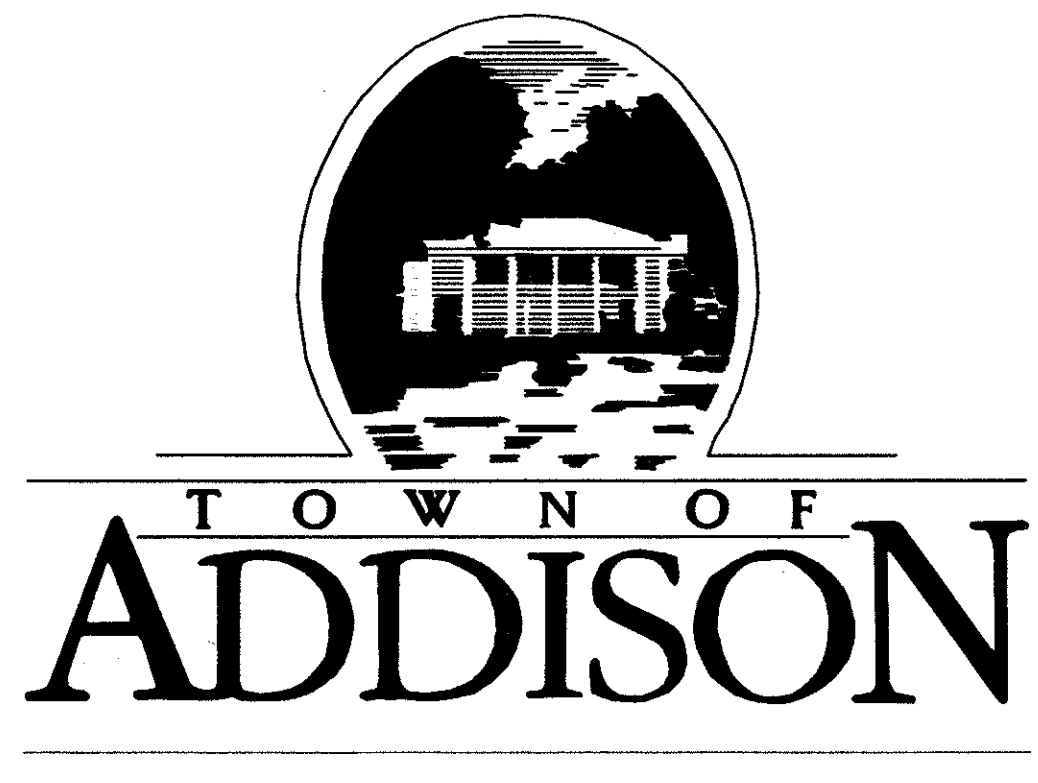
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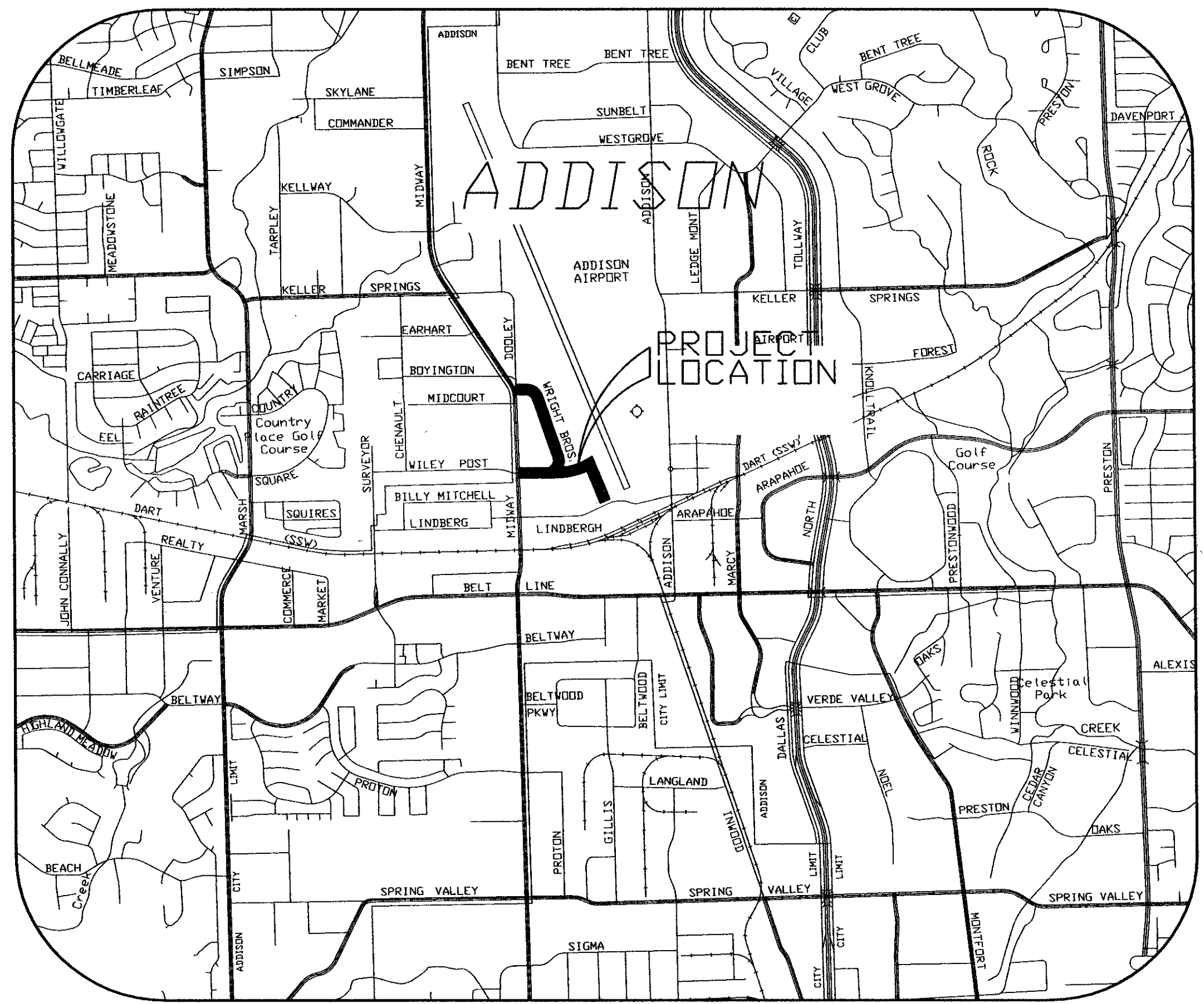
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Const. mark-up



TEAGUE NALL AND PERKINS
CONSULTING ENGINEERS



Mark E. Riddle
MARK E. RIDDLE, P.E.
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Const. mark-up
Values added
WRIGHT BROTHERS / WILEY POST WATER LINE REPLACEMENT

GENERAL NOTES

1. TRAFFIC CONTROL & TRAFFIC CONTROL DEVICES USED DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE INFORMATION IN THE PLANS, SPECIFICATIONS, AND THE MOST RECENT VERSION OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES PUBLISHED BY THE TEXAS DEPARTMENT OF TRANSPORTATION.
2. CONTRACTOR SHALL USE EXTREME CAUTION IN LOCATING AND PROTECTING ALL UTILITY SERVICE LINES.
3. UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE & FOR INFORMATIONAL PURPOSES ONLY AND DOES NOT PRECLUDE THE EXISTENCE OF OTHER UNDERGROUND FACILITIES WHICH ARE NOT SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNERS TO ARRANGE FOR EXACT LOCATIONS AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.

UTILITY ONCOR WORLD/COM/MCI TELE-CABLE DIG-TESS SOUTHWESTERN BELL TELEPHONE AT&T	TELEPHONE (214) 875-2256 (972) 656-5519 (214) 578-7573 1-800-344-8377 (214) 920-0189 (972) 907-4073
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4. THE CONTRACTOR SHALL MAINTAIN EXISTING SERVICES AND EXISTING WATER MAINS THROUGHOUT CONSTRUCTION. AFTER THE PROPOSED WATER MAIN HAS BEEN TESTED AND APPROVED BY THE ENGINEER, THE CONTRACTOR SHALL TRANSFER ALL EXISTING METERED SERVICES. NO SERVICE SHALL BE DISRUPTED FOR A PERIOD LONGER THAN SIX (6) HOURS. ALL SERVICES SHALL BE 2" UNLESS OTHERWISE NOTED ON THE PLANS.
5. THE ENGINEER WILL PROVIDE ON THE PLANS HORIZONTAL CONTROL IN THE FORM OF GRID REFERENCE POINTS AND/OR BEARINGS AND DISTANCES AND VERTICAL CONTROL IN THE FORM OF BENCHMARKS. FROM THE CONTROLS PROVIDED ON THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE LAYOUT OF THE WORK AND FOR ESTABLISHING LINES AND ELEVATIONS AS NEEDED DURING CONSTRUCTION. THE CONTRACTOR SHALL FURNISH AT HIS OWN EXPENSE LABOR, INCLUDING THE SERVICES OF COMPETENT PERSONNEL, EQUIPMENT, INCLUDING ACCURATE SURVEYING INSTRUMENTS, STAKES, TEMPLATES, PLATFORMS, TOOLS, AND MATERIALS AS MAY BE REQUIRED FOR LAYING OUT ANY AND ALL PARTS OF THE WORK. ALL WORK ASSOCIATED WITH CONSTRUCTION LAYOUT SHALL BE SUBSIDIARY TO THE VARIOUS CONSTRUCTION PAY ITEMS IN THE CONTRACT.
6. THE CONTRACTOR SHALL PRESERVE ALL EXISTING PAVEMENT, SHOULDERS, DRIVEWAYS AND SIDEWALKS. THE REMOVAL AND REPLACEMENT OF THE SAID ITEMS SHALL ONLY BE DEEMED NECESSARY IN ORDER TO COMPLETE THE PROJECT OR AS DIRECTED BY THE ENGINEER. ANY DAMAGE NOT DEEMED NECESSARY BY THE ENGINEER FOR THE COMPLETION OF SAID PROJECT SHALL BE REPLACED TO EQUAL OR BETTER CONDITIONS AS A NON-PAY ITEM.
7. THE CONTRACTOR SHALL PROTECT AND SUPPORT ALL EXISTING UTILITY POLES, LIGHT POLES, SIGNALS, AND GUY WIRES. (NO SEPARATE PAY ITEM)
8. THE CONTRACTOR SHALL PRESERVE ALL TREES, SHRUBS, SPRINKLER SYSTEMS, FENCES, MAIL BOXES AND OTHER PROPERTY OWNER IMPROVEMENTS NOT NOTED FOR REMOVAL. THE REMOVAL AND/OR REPLACEMENT OF THE SAID PROPERTY OWNER IMPROVEMENTS BY THE CONTRACTOR DEEMED NECESSARY FOR THE COMPLETION OF SAID PROJECT SHALL BE REPLACED TO EQUAL OR BETTER CONDITIONS AS A NON-PAY ITEM UNLESS A PAY ITEM EXISTS FOR THE SPECIFIC IMPROVEMENT.
9. THE CONTRACTOR SHALL GIVE THE CITY, RESIDENTS, AND BUSINESSES AFFECTED BY ANTICIPATED WATER OR SEWER SERVICE DISRUPTIONS AT LEAST FORTY-EIGHT (48) HOURS PRIOR NOTICE.
10. DUCTILE IRON FITTINGS REQUIRED TO PROPERLY INSTALL THE PROPOSED WATER LINES ON THIS PROJECT SHALL BE MEASURED SEPARATELY, AND SHALL BE PAID FOR UNDER A SEPARATE PAY ITEM PER TON.
11. ALL EXISTING FIRE HYDRANTS WITHIN THE LIMITS OF THE PROJECT, SHALL BE SALVAGED AND DELIVERED TO THE TOWN OF ADDISON PUBLIC WORKS YARD AT 16801 WESTGROVE BY THE CONTRACTOR. (NO SEPARATE PAY ITEM)
12. ALL EXISTING WATER VALVES SHALL BE ABANDONED ON ALL KILLED WATER MAINS PER VALVE ABANDONMENT DETAIL. VALVE COVERS AND CAPS SHALL BE SALVAGED AND DELIVERED TO THE TOWN OF ADDISON PUBLIC WORKS YARD. WATER MAINS TO BE ABANDONED SHALL BE CUT, CAPPED, AND BLOCKED WITH CONCRETE AT ALL ENDS AND/OR FITTINGS.
13. THE PROPOSED WATER MAIN SHALL HAVE A MINIMUM COVER OF FOUR (4') FEET MEASURED FROM THE TOP OF THE EXISTING CURB OR FROM THE TOP OF THE EXISTING GROUND TO THE TOP OF THE PROPOSED PIPE, WHICHEVER IS GREATER, OR AS DIRECTED BY THE ENGINEER.
14. THE CONTRACTOR SHALL CENTER A FULL 20-FOOT LONG JOINT OF THE PROPOSED PIPE AT A STORM SEWER CROSSING IF THE PROPOSED PIPE MUST PASS UNDER THE STORM SEWER.
15. WHERE PROPOSED OR EXISTING WATER LINES CROSS PROPOSED OR EXISTING SANITARY SEWER LINES: 1) THE SANITARY SEWER MAIN SHOULD BE EITHER CONCRETE ENCASED; OR 2) A FULL 20-FOOT LONG JOINT OF PIPE SHALL BE CENTERED AT THE CROSSING AND A 2-FOOT VERTICAL CLEARANCE BE MAINTAINED.
16. ALL DUCTILE IRON FITTINGS SHALL BE POLYWRAPPED.
17. THE CONTRACTOR SHALL MAINTAIN FIRE EMERGENCY VEHICLE ACCESS TO FIRE HYDRANTS THROUGHOUT CONSTRUCTION.
18. THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE DRIVEWAY OPENING FOR INGRESS/EGRESS OF VEHICULAR TRAFFIC TO/FROM PRIVATE PROPERTY THROUGHOUT CONSTRUCTION.

19. IRRIGATION AND SPRINKLER SYSTEM NOTES (SEE TOWN OF ADDISON SPECIFICATIONS):
 - A) THE CONTRACTOR SHALL HIRE A LICENSED IRRIGATOR AS A SUBCONTRACTOR TO OVERSEE ALL ACTIVITIES THAT IMPACT EXISTING, OR PROPOSED IRRIGATION SYSTEMS.
 - B) PRIOR TO DEMOLITION OR CONSTRUCTION ACTIVITIES, EXISTING IRRIGATION SYSTEMS SHALL BE TURNED ON. THE LOCATION OF THE HEADS, VALVES, AND PIPE SHALL BE MARKED WHERE DEMOLITION OR CONSTRUCTION WILL IMPACT THE SYSTEM. DEFICIENCIES IN THE SYSTEM SHALL BE NOTED AND REPORTED TO THE SYSTEM OWNER. A PHOTOGRAPHIC OR VIDEO RECORD SHALL BE MADE IF APPROPRIATE.
 - C) PIPING SHALL BE CUT, CAPPED, AND MARKED AT THE LIMITS OF CONSTRUCTION.
 - D) AT THE COMPLETION OF CONSTRUCTION, THE LICENSED IRRIGATOR SHALL RESTORE AND TEST THE IRRIGATION SYSTEMS FOR PROPER FUNCTION. THE TESTS SHALL BE CONDUCTED IN THE PRESENCE OF THE TOWN OF ADDISON'S PUBLIC WORKS INSPECTOR, AND THE SYSTEM OWNERS.
20. CONTRACTOR SHALL CONFORM WITH THE "NORTH CENTRAL TEXAS STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" (NCTSSPWC) AND ALL TOWN OF ADDISON STANDARD CONSTRUCTION DETAILS.
21. ALL BENDS AND FIRE HYDRANTS SHALL INCLUDE RESTRAINED TYPE FITTINGS WITH RETAINER GLANDS IN ADDITION TO CONCRETE THRUST BLOCKING. ALL FIRE HYDRANTS SHALL BE INSTALLED PER STANDARD DETAILS. CONCRETE THRUST BLOCKING MAY BE ELIMINATED AT THE OWNER'S DISCRETION.
22. WATER MAINS SHALL BE AWWA C-909, CL 150.
23. ALL STREET AND DRIVEWAY PAVEMENT SHALL BE 8-INCH, 4000 PSI CONCRETE WITH #3 BARS ON 18-INCH (18") CENTERS BOTH WAYS.
24. ALL PORTIONS OF EXISTING DRIVEWAY THAT ARE TO REMAIN SHALL BE PROTECTED BY THE CONTRACTOR. REMOVAL OF ANY CONCRETE THAT IS NOT SHOWN TO BE REMOVED SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE TOWN OF ADDISON.
25. ALL WATER SERVICE LINES THAT EXTEND ACROSS THE STREET SHALL BE BORED UNDERNEATH THE EXISTING PAVEMENT UNLESS OTHERWISE NOTED.
26. THE CONTRACTOR SHALL CONNECT ALL NEW SERVICE LINES TO THE NEW WATER METERS. (NO SEPARATE PAY ITEM)
27. THE CONTRACTOR SHALL INSTALL NEW WATER METERS ACCORDING TO THE PLANS. WATER METERS SHALL BE 5/8", 1", 1.5", OR 2".
28. AN APPROVED BACKFLOW PREVENTION ASSEMBLY SHALL BE INSTALLED, WHERE ONE DOES NOT CURRENTLY EXIST, ON ALL WATER SERVICES AFTER THE METER, LOCATED IN A SEPARATE BOX WITH A MINIMUM OF AN EIGHTEEN (18) INCH HIPPLE BETWEEN THE METER AND THE ASSEMBLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE THE ASSEMBLY TESTED UPON INSTALLATION BY A CERTIFIED TESTER, REGISTERED WITH THE TOWN OF ADDISON. THE ORIGINAL TEST SHALL BE PROVIDED TO THE TOWN OF ADDISON UTILITY DIVISION PRIOR TO FINAL CONTINUOUS CONNECTION TO THE TOWN'S WATER SUPPLY. ALL BACKFLOW PREVENTION ASSEMBLIES SHALL BE USC CERTIFIED.
29. ALL EXISTING BACKFLOW PREVENTION ASSEMBLIES SHALL BE TESTED BY A CERTIFIED TESTER, REGISTERED WITH THE TOWN OF ADDISON, TO MEET THE TOWN'S REQUIREMENTS. SHOULD THE BACKFLOW PREVENTION ASSEMBLY NOT MEET THE TOWN'S REQUIREMENTS, A NEW ASSEMBLY SHALL BE INSTALLED, COMPLETE IN PLACE.
30. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING BACKFLOW PREVENTION ASSEMBLIES AT THE LOCATIONS SHOWN ON THE PLANS.
31. ALL CONCRETE PAVEMENT FOR REMOVAL WITHIN THE PROJECT LIMITS SHALL BE SAWCUT. ALL SAWCUTS SHALL BE FULL DEPTH. (NO SEPARATE PAY ITEM)
32. BEFORE THE NEWLY CONSTRUCTED WATER MAIN IS PERMITTED TO BE PLACED INTO SERVICE, IT SHALL BE PRESSURE TESTED, DESINFECTED AND TESTED FOR BACTERIA AT THE CONTRACTOR'S EXPENSE. TESTING IS TO BE ACCOMPLISHED BY A TOWN OF ADDISON APPROVED LAB. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DESINFECTATION AND TESTING.
33. STAGING AND STORAGE FOR THIS PROJECT SHALL BE APPROVED BY THE TOWN OF ADDISON PRIOR TO ANY CONSTRUCTION ACTIVITY.
34. ALL NEW DUMMY AND EXPANSION JOINTS SHALL MATCH EXISTING JOINT LOCATIONS.
35. CONTRACTOR SHALL VIDEO TAPE THE SITE IN ITS ENTIRETY PRIOR TO ANY CONSTRUCTION AND PROVIDE A COPY TO THE TOWN. (NO SEPARATE PAY ITEM)
36. CONTRACTOR SHALL SUPPLY AS-BUILT DRAWINGS TO THE TOWN OF ADDISON. DIMENSIONS AND LENGTH OF PIPE FROM BENDS AND VALVES SHALL BE LISTED.

SYMBOL LEGEND

EXISTING	PROPOSED
	SURVEY CONTROL POINT
	MAILBOX
	S.S. CLEAN OUT
	S.S. MANHOLE
	WATER LINE
	WATER SERVICE
	SANITARY SEWER LINE
	STORM DRAIN LINE
	OVERHEAD ELECTRIC
	GAS LINE
	FIRE HYDRANT
	GAS METER
	GUY WIRE
	IRON ROD FOUND
	LIGHT POLE
	S.D. MANHOLE
	PULL BOX
	POWER POLE
	SIGN
	SPRINKLER VALVE
	WATER METER
	WATER VALVE
	BACKFLOW PREVENTOR
	TREE
	SHRUB
	FENCE
	BUILDING
	CONC. REMOVAL AND REPLACEMENT
	HMAC REMOVAL AND REPLACEMENT
	BORING FOR WATER LINE

T/C = TOP OF CURB ELEV.
 F/L = FLOW LINE ELEV.
 MH = MANHOLE
 CO = CLEANOUT

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NO.	REVISION	BY	DATE

MSW DESIGNED DAS DRAWN JRP CHECKED		SCALE HORIZ N/A VERT N/A DATE JULY 2002
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	TEAGUE NALL AND PERKINS CONSULTING ENGINEERS 1100 Macon Street Fort Worth, Texas 76102 (817) 336-5773	2001 West Irving Blvd. Irving, Texas 75061 (972) 254-1765
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	MARK E. RIDDLE, P.E. DATE: 07.10.02
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TOWN OF ADDISON WRIGHT BROTHERS / WILEY POST WATER LINE REPLACEMENT GENERAL NOTES & LEGEND
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GENERAL NOTES.DWG TNP PROJECT ADD01333
SHEET <b style="font-size: 2em;">2 OF 12

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UTILITY	TELEPHONE
ONCOR	(214) 875-2256
WORLD/COM/MCI	(972) 656-5519
TELE-CABLE	(214) 578-7573
DIG-TESS	1-800-344-8377
SOUTHWESTERN BELL TELEPHONE	(214) 920-0189
AT&T	(972) 907-4073
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25. ALL WATER SERVICE LINES THAT EXTEND ACROSS THE STREET SHALL BE BORED UNDERNEATH THE EXISTING PAVEMENT UNLESS OTHERWISE NOTED.
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33. STAGING AND STORAGE FOR THIS PROJECT SHALL BE APPROVED BY THE TOWN OF ADDISON PRIOR TO ANY CONSTRUCTION ACTIVITY.
34. ALL NEW DUMMY AND EXPANSION JOINTS SHALL MATCH EXISTING JOINT LOCATIONS.
35. CONTRACTOR SHALL VIDEO TAPE THE SITE IN ITS ENTIRETY PRIOR TO ANY CONSTRUCTION AND PROVIDE A COPY TO THE TOWN. (NO SEPARATE PAY ITEM)
36. CONTRACTOR SHALL SUPPLY AS-BUILT DRAWINGS TO THE TOWN OF ADDISON. DIMENSIONS AND LENGTH OF PIPE FROM BENDS AND VALVES SHALL BE LISTED.

SYMBOL LEGEND

- | EXISTING | PROPOSED |
|----------|-------------------------------|
| | SURVEY CONTROL POINT |
| | MAILBOX |
| | S.S. CLEAN OUT |
| | S.S. MANHOLE |
| | WATER LINE |
| | WATER SERVICE |
| | SANITARY SEWER LINE |
| | STORM DRAIN LINE |
| | OVERHEAD ELECTRIC |
| | GAS LINE |
| | FIRE HYDRANT |
| | GAS METER |
| | GUY WIRE |
| | IRON ROD FOUND |
| | LIGHT POLE |
| | S.D. MANHOLE |
| | PULL BOX |
| | POWER POLE |
| | SIGN |
| | SPRINKLER VALVE |
| | WATER METER |
| | WATER VALVE |
| | BACKFLOW PREVENTOR |
| | TREE |
| | SHRUB |
| | FENCE |
| | BUILDING |
| | CONC. REMOVAL AND REPLACEMENT |
| | HMAC REMOVAL AND REPLACEMENT |
| | BORING FOR WATER LINE |
- T/C = TOP OF CURB ELEV.
 F/L = FLOW LINE ELEV.
 MH = MANHOLE
 CO = CLEANOUT

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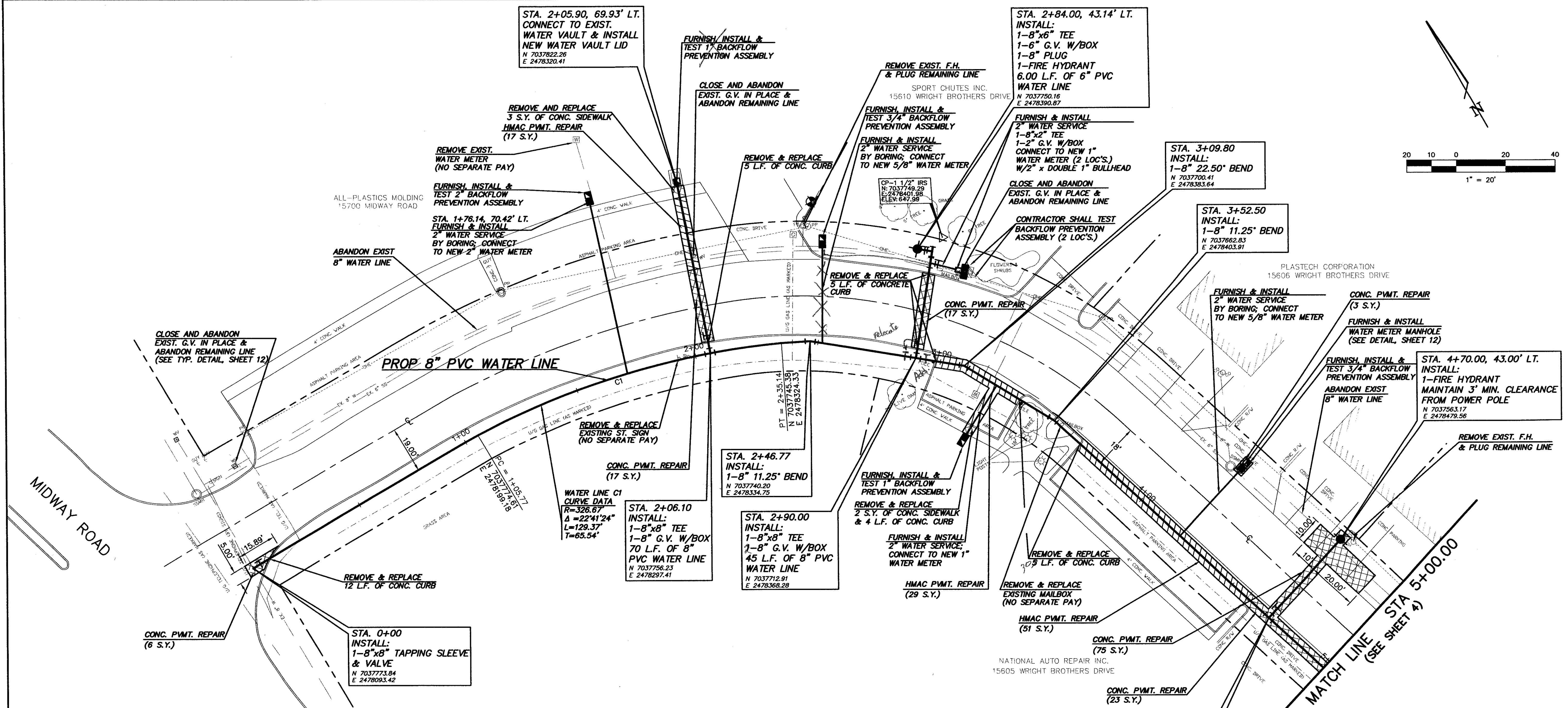
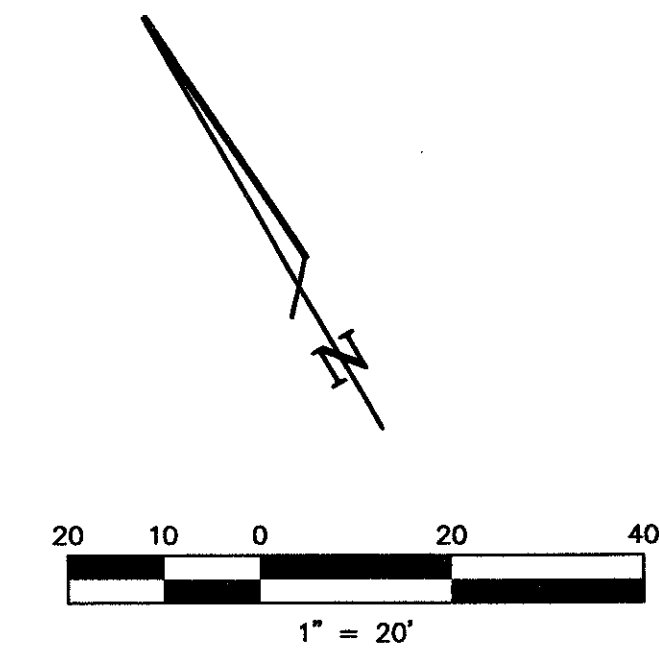
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DATE
JULY 2002

TEAGUE NALL AND PERKINS
INC. CONSULTING ENGINEERS

1100 Macon Street 2001 West Irving Blvd
Fort Worth, Texas 76102 Irving, Texas 75061
(817) 336-5773 (972) 254-1765

MARK E. RIDDLE
43805
REGISTERED PROFESSIONAL ENGINEER
MARK E. RIDDLE, P.E.
DATE: 07.10.02

TOWN OF ADDISON	TNP PROJECT ADD01333
WRIGHT BROTHERS / WILEY POST	SHEET
WATER LINE REPLACEMENT	2
GENERAL NOTES & LEGEND	OF 12



- NOTES:**
- EXISTING GAS SERVICES ARE PRESENT; EXACT LOCATIONS NOT KNOWN.
 - THE CONTRACTOR SHALL PRESERVE AND PROTECT EXISTING DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.
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WRIGHT BROTHERS DRIVE

B.M.

CROSS CUT SET IN THE SOUTH EDGE OF A DRIVEWAY IN THE NORTH SIDE OF WRIGHT BROTHERS 293' EAST OF THE EAST EDGE OF MIDWAY AND 23' NORTH OF THE CURB LINE OF WRIGHT BROTHERS DRIVE. ELEV.=646.99

BOX CUT IN THE CENTER OF AN INLET AT THE NORTHEAST CORNER OF WILEY POST AND MIDWAY ALONG THE NORTH SIDE OF WILEY POST. ELEV.=631.53

CUT CROSS FOUND AT THE SOUTH SIDE OF WILEY POST ROAD AT THE PROJECTION OF CENTERLINE OF WRIGHT BROTHERS ROAD 12.6' WEST OF A 4" INLET. ELEV.=637.24

NO.	REVISION	BY	DATE

MSW DESIGNED
DAS DRAWN
JRP CHECKED

TOWN OF **ADDISON**

SCALE
HORIZ 1"=20'
VERT N/A
DATE JULY 2002

TEAGUE NALL AND PERKINS
INC. CONSULTING ENGINEERS

1100 Macon Street Fort Worth, Texas 76102 (817) 336-5773

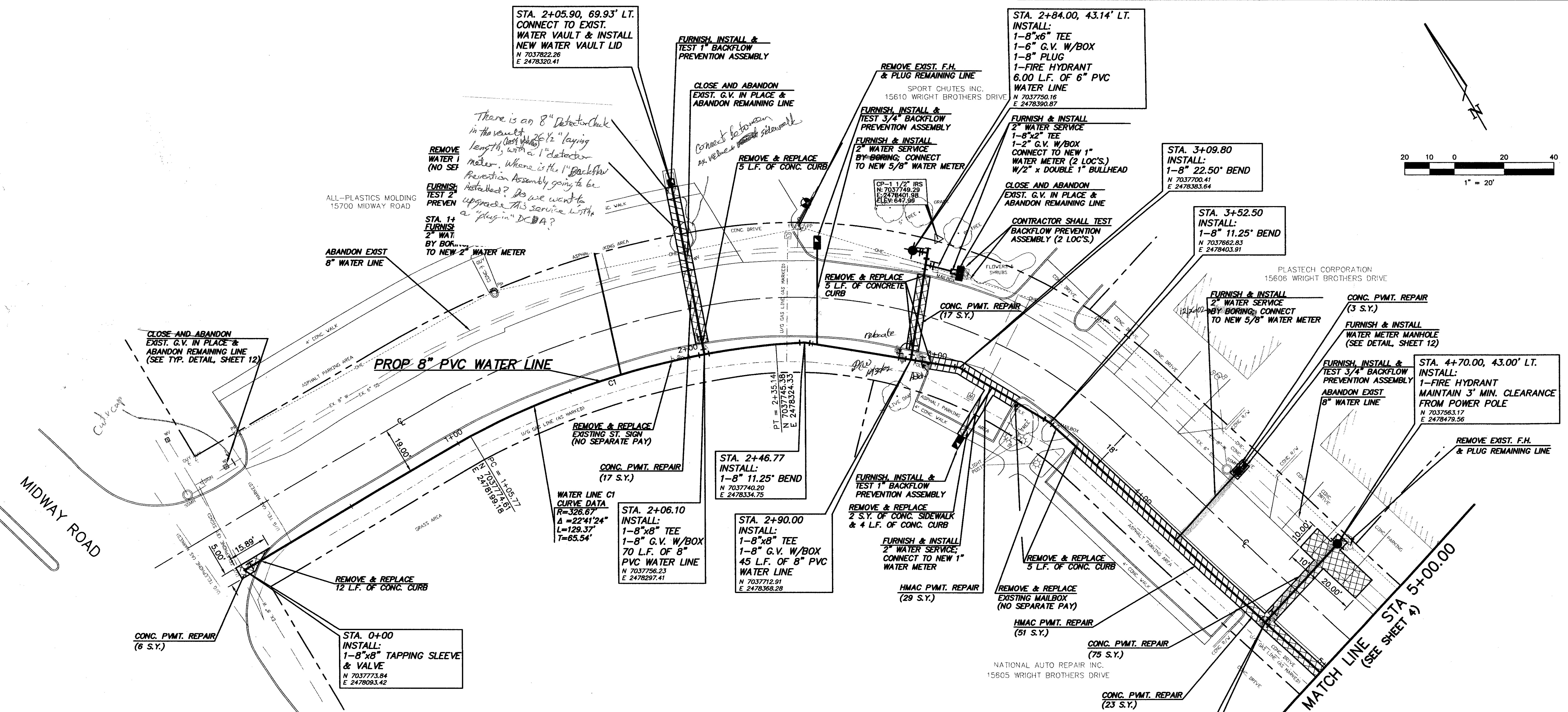
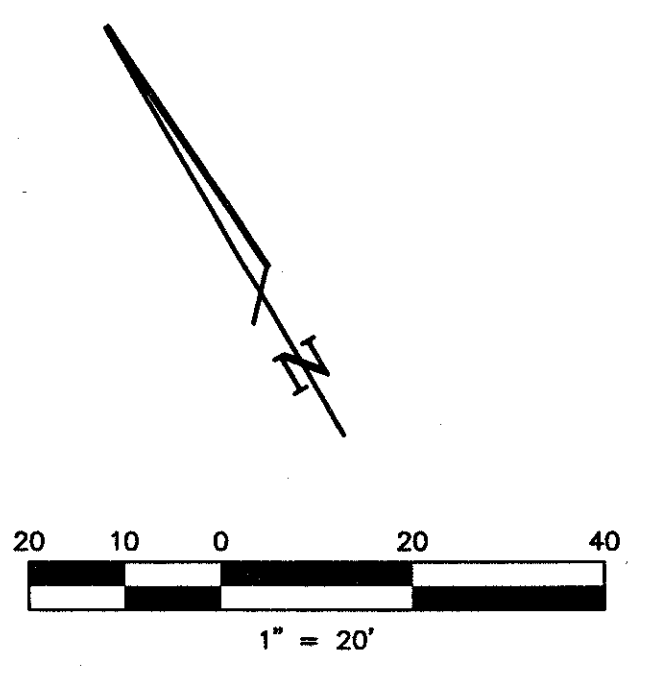
2001 West Irving Blvd. Irving, Texas 75061 (972) 254-1765

STATE OF TEXAS
REGISTERED PROFESSIONAL ENGINEER
MARK E. RIDDLE
43805
DATE: 07.10.02

TOWN OF ADDISON
WRIGHT BROTHERS / WILEY POST
WATER LINE REPLACEMENT
WATER LINE PLAN - WRIGHT BROTHERS
STA. 0+00.00 TO STA. 5+00.00

TNP PROJECT ADD01333
SHEET **3** OF 12

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- NOTES:**
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ELEV.=646.99

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ELEV.=631.53

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ELEV.=637.24

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TOWN OF ADDISON

SCALE
HORIZ
1"=20'
VERT
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DATE
JULY 2002

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CONSULTING ENGINEERS

1100 Macon Street
Fort Worth, Texas 76102
(817) 336-5773

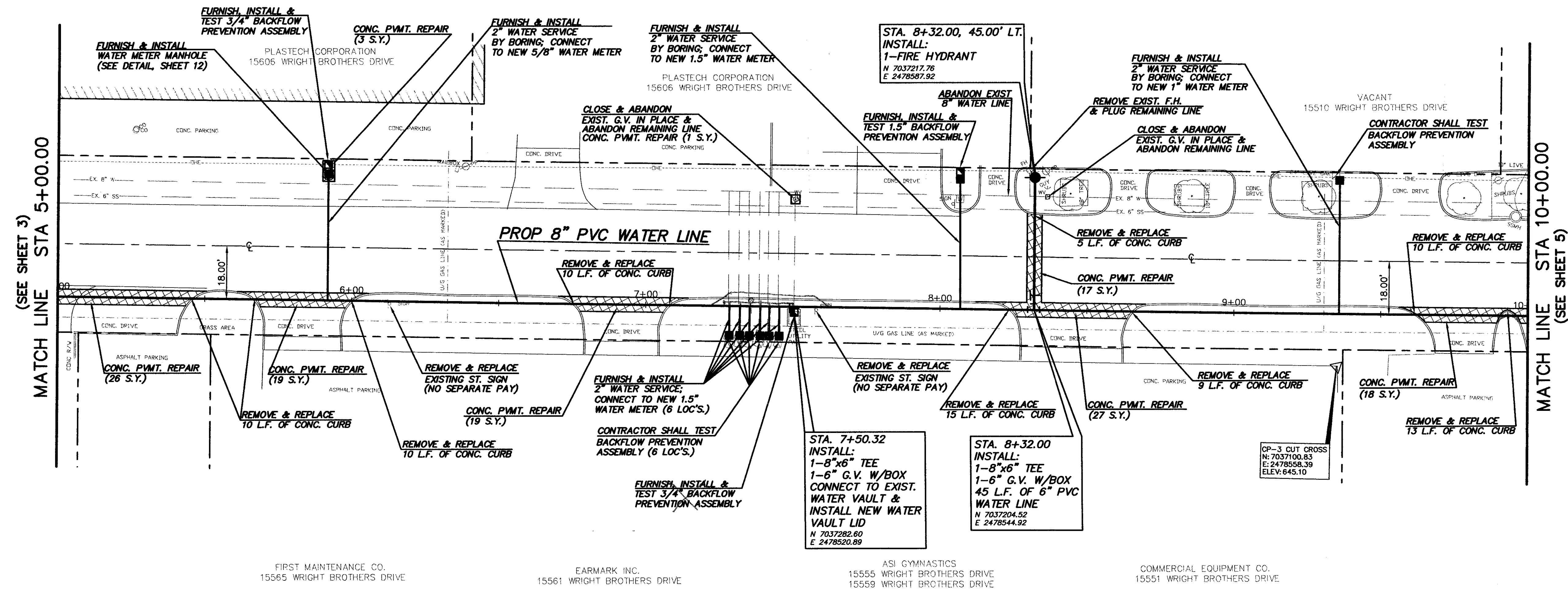
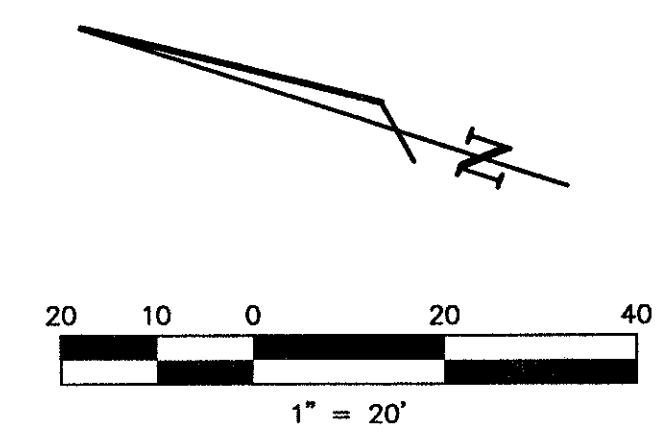
2001 West Irving Blvd.
Irving, Texas 75061
(972) 254-1765

STATE OF TEXAS
REGISTERED PROFESSIONAL ENGINEER
MARK E. RIDDLE
43805
DATE: 07.10.02

TOWN OF ADDISON
WRIGHT BROTHERS / WILEY POST
WATER LINE REPLACEMENT
WATER LINE PLAN - WRIGHT BROTHERS
STA. 0+00.00 TO STA. 5+00.00

TNP PROJECT
ADD01333
SHEET
3
OF
12

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- NOTES:**
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WRIGHT BROTHERS DRIVE

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NO.	REVISION	BY	DATE

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TOWN OF ADDISON

SCALE
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1100 Macon Street Fort Worth, Texas 76102 (817) 336-5773

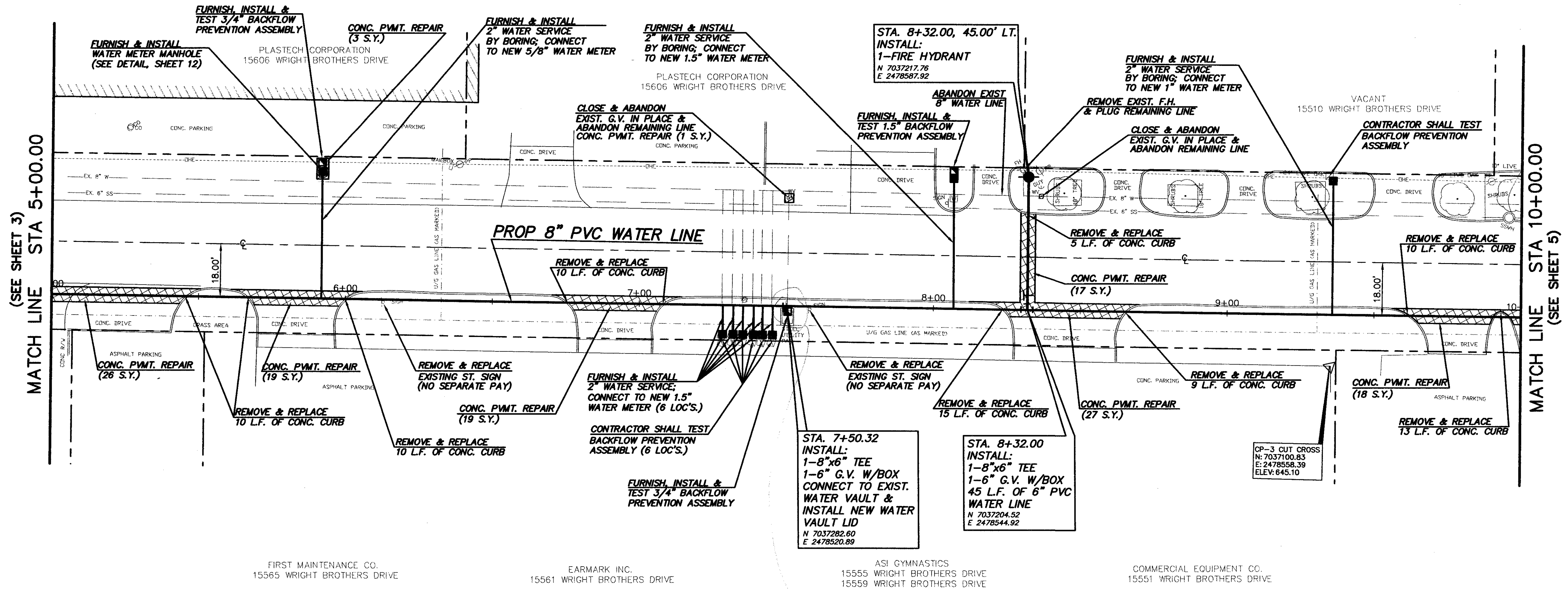
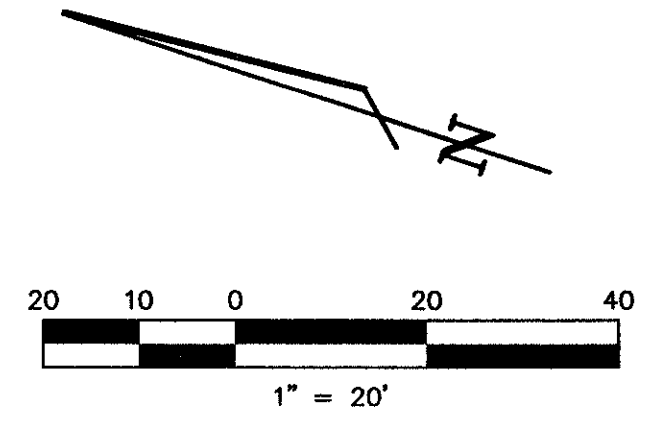
2001 West Irving Blvd Irving, Texas 75061 (972) 254-1765

MARK E. RIDDLE
DATE: 07.10.02

TOWN OF ADDISON
WRIGHT BROTHERS / WILEY POST
WATER LINE REPLACEMENT
WATER LINE PLAN - WRIGHT BROTHERS
STA. 5+00.00 TO STA. 10+00.00

TNP PROJECT ADD01333
SHEET **4** OF 12

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- NOTES:**
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NO.	REVISION	BY	DATE

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DATE
JULY 2002

TEAGUE NALL AND PERKINS
CONSULTING ENGINEERS

1100 Macon Street Fort Worth, Texas 76102 (817) 336-5773

2001 West Irving Blvd Irving, Texas 75061 (972) 254-1765

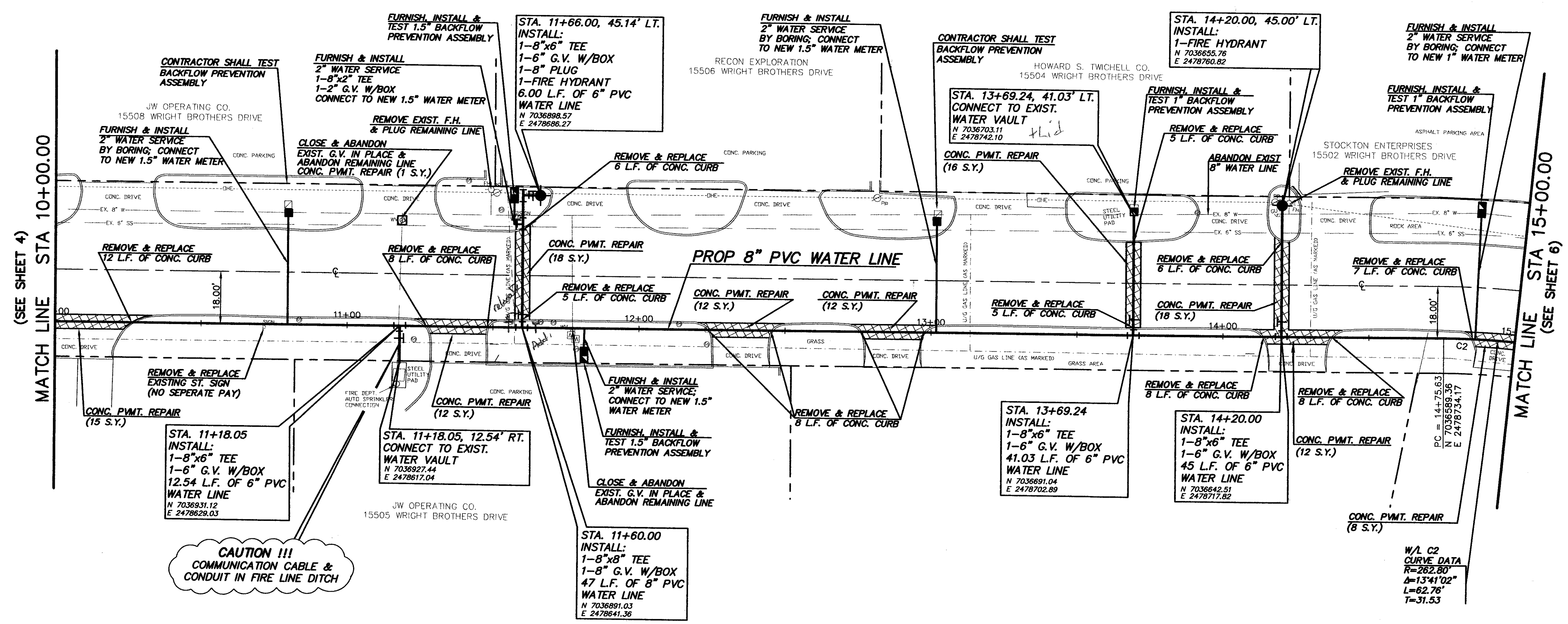
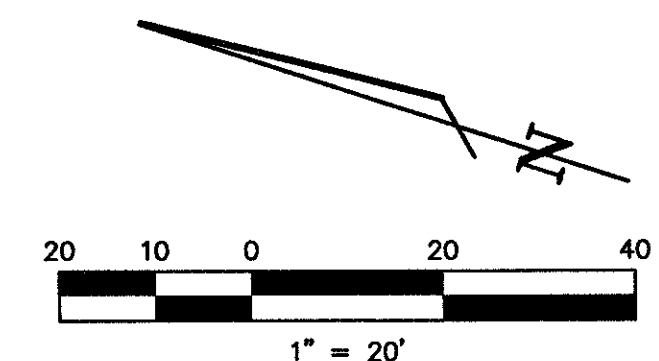
Professional Engineer Seal for Mark E. Riddle, State of Texas, No. 43805, Exp. 12/31/05.

DATE: 07.10.02

TOWN OF ADDISON
WRIGHT BROTHERS / WILEY POST
WATER LINE REPLACEMENT
WATER LINE PLAN - WRIGHT BROTHERS
STA. 5+00.00 TO STA. 10+00.00

TNP PROJECT
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CAUTION !!!
COMMUNICATION CABLE &
CONDUIT IN FIRE LINE DITCH

- NOTES:**
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CUT CROSS FOUND AT THE SOUTH SIDE OF WILEY POST ROAD AT THE PROJECTION OF CENTERLINE OF WRIGHT BROTHERS ROAD 12.6' WEST OF A 4' INLET. ELEV.=637.24

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NO.	REVISION	BY	DATE

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TOWN OF
ADDISON

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DATE
JULY 2002

TEAGUE NALL AND PERKINS
CONSULTING ENGINEERS

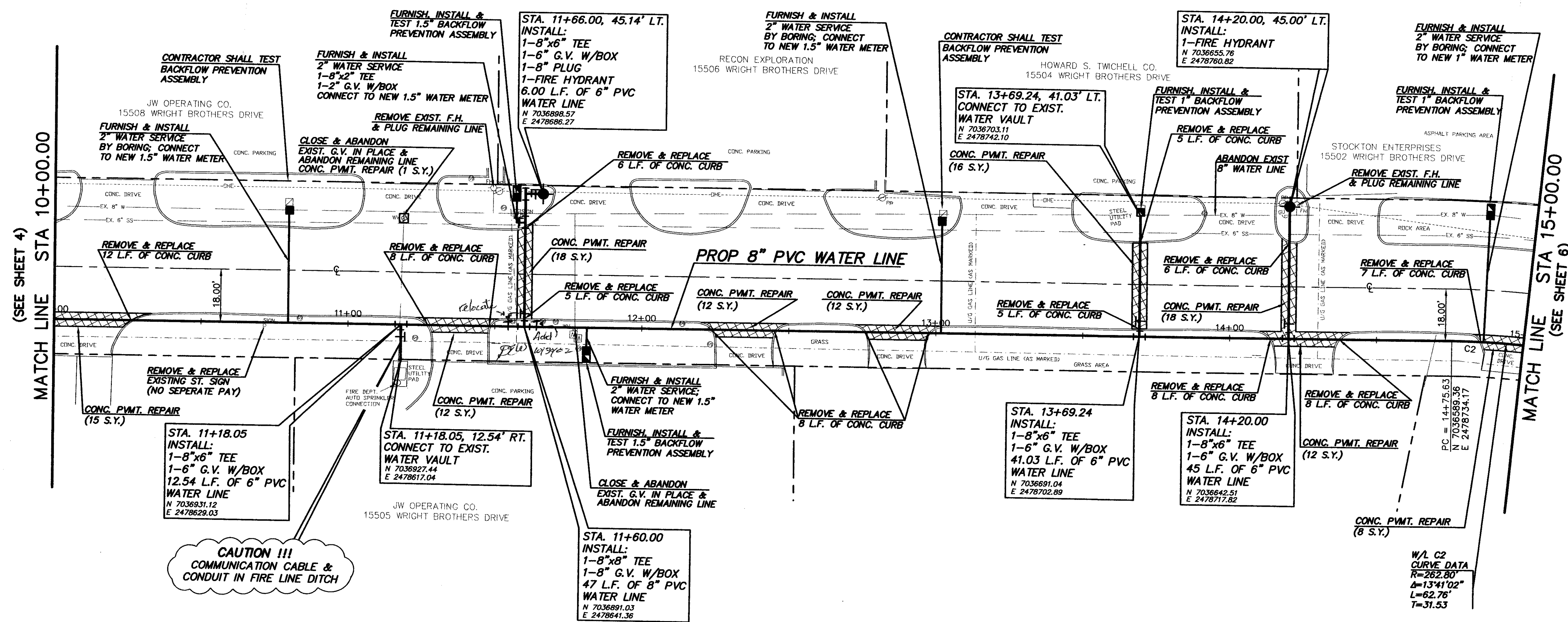
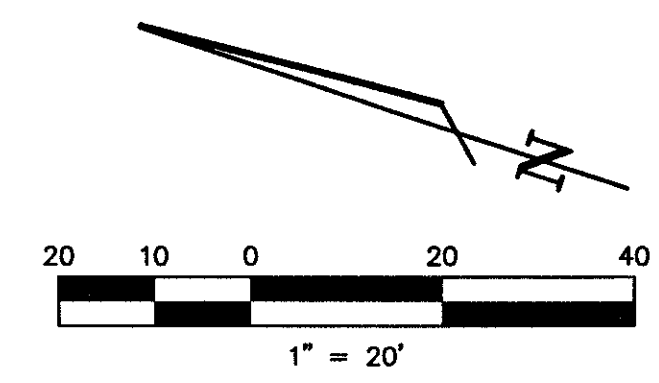
1100 Macon Street Fort Worth, Texas 76102 (817) 336-5773

2001 West Irving Blvd Irving, Texas 75061 (972) 254-1765

Professional Engineer Seal for Mark E. Riddle, P.E., No. 43805, State of Texas. Date: 07.10.02

TOWN OF ADDISON
WRIGHT BROTHERS / WILEY POST
WATER LINE REPLACEMENT
WATER LINE PLAN - WRIGHT BROTHERS
STA. 10+00.00 TO STA. 15+00.00

TNP PROJECT
ADD01333
SHEET
5
OF
12



CAUTION !!!
COMMUNICATION CABLE &
CONDUIT IN FIRE LINE DITCH

- NOTES:**
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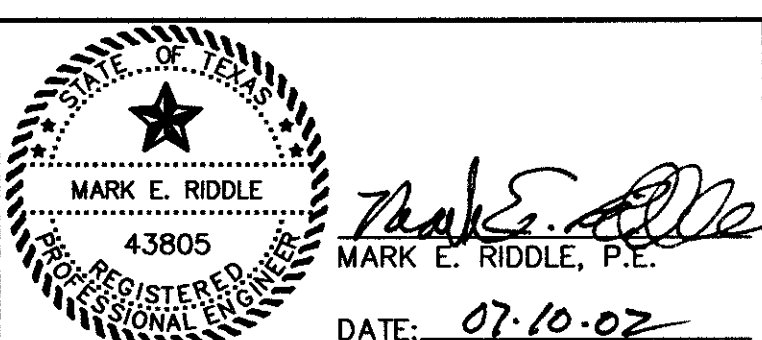
TOWN OF
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JULY 2002

TEAGUE NALL AND PERKINS
CONSULTING ENGINEERS

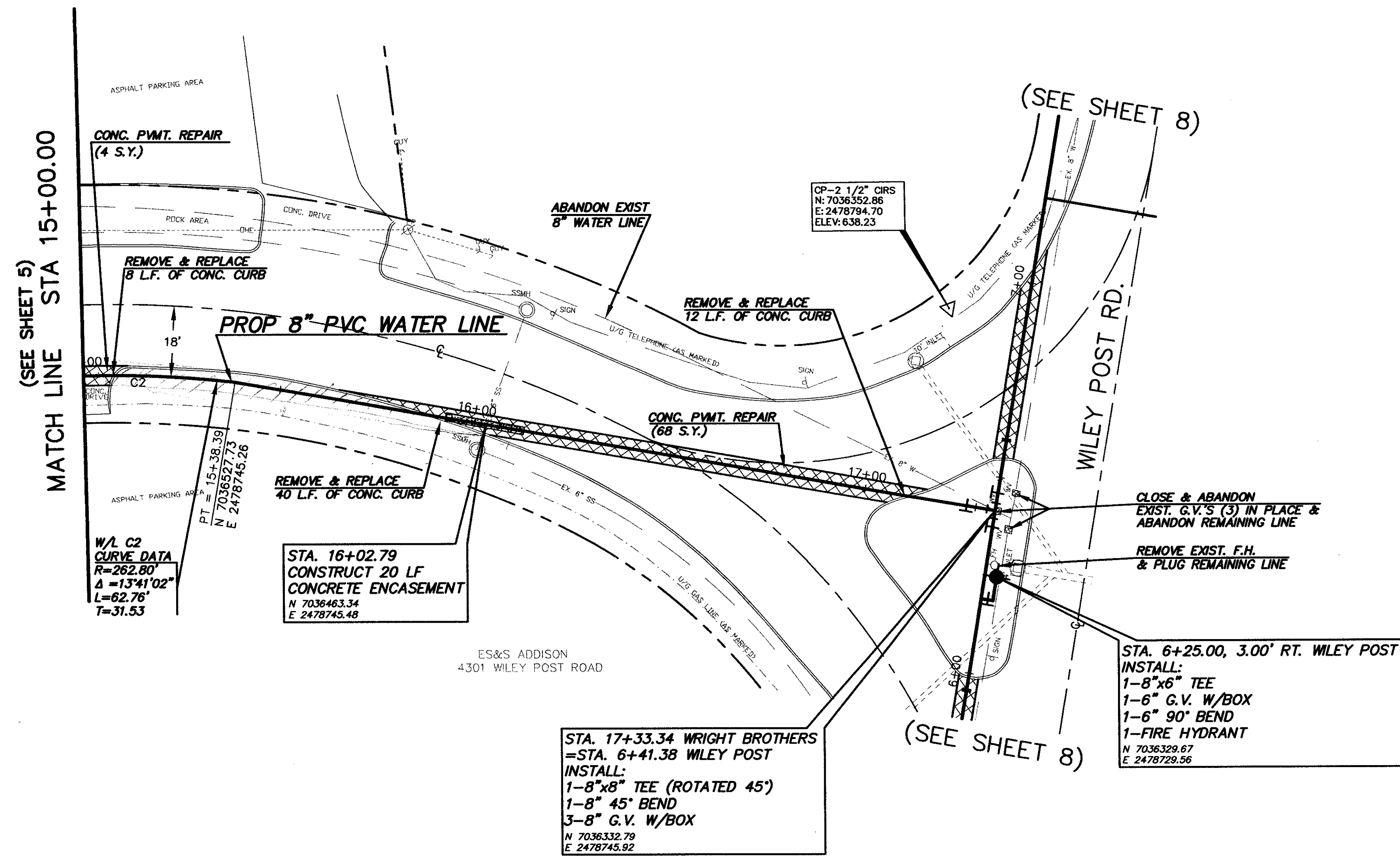
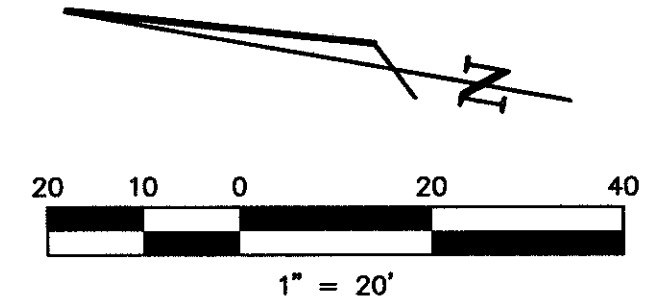
1100 Macon Street Fort Worth, Texas 76102 (817) 336-5773

2001 West Irving Blvd Irving, Texas 75061 (972) 254-1765



TOWN OF ADDISON
WRIGHT BROTHERS / WILEY POST
WATER LINE REPLACEMENT
WATER LINE PLAN - WRIGHT BROTHERS
STA. 10+00.00 TO STA. 15+00.00

TNP PROJECT
ADD01333
SHEET
5
OF
12



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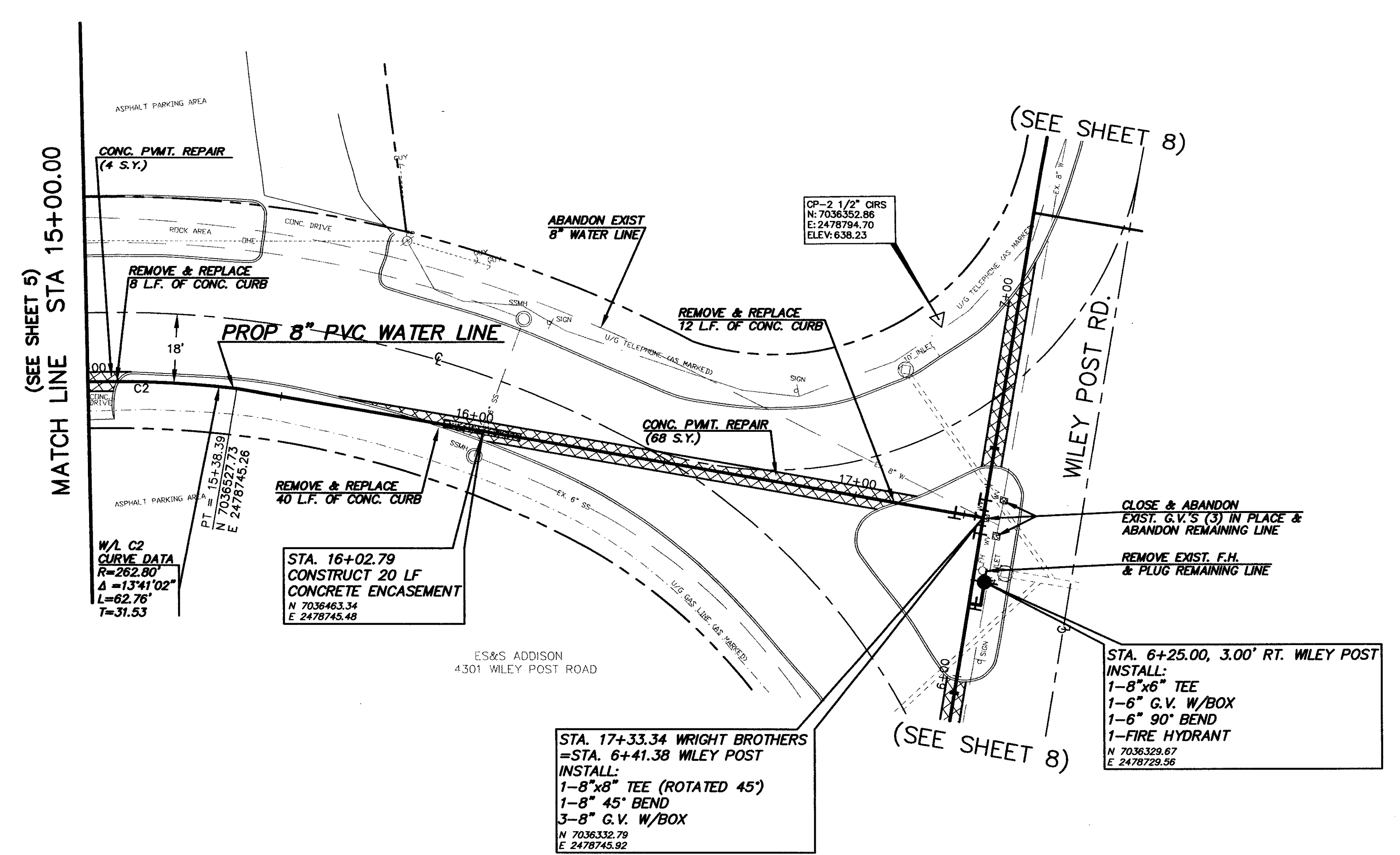
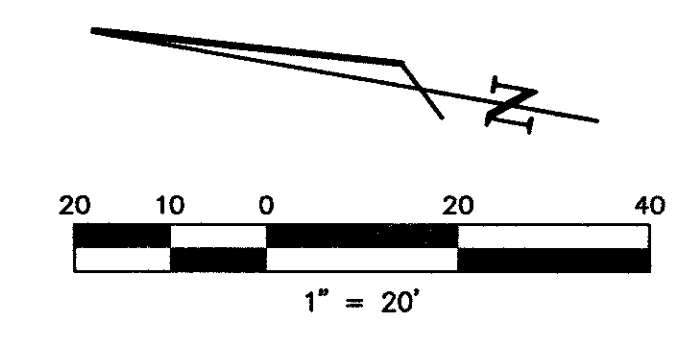
TEAGUE NALL AND PERKINS
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MARK E. RIDDLE
REGISTERED PROFESSIONAL ENGINEER
43805
DATE: 07.10.02

TOWN OF ADDISON
WRIGHT BROTHERS / WILEY POST
WATER LINE REPLACEMENT
WATER LINE PLAN - WRIGHT BROTHERS
STA. 15+00.00 TO STA. 17+33.34

TNP PROJECT
ADD01333
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12

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TOWN OF ADDISON

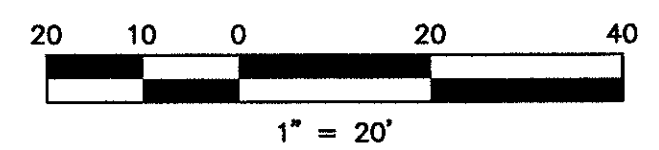
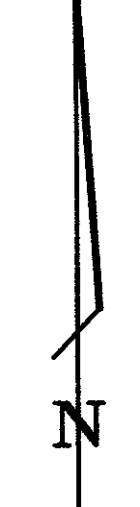
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DATE
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TEAGUE NALL AND PERKINS
 CONSULTING ENGINEERS
 1100 Macon Street Fort Worth, Texas 76102 (817) 336-5773
 2001 West Irving Blvd Irving, Texas 75061 (972) 254-1765

STATE OF TEXAS
 MARK E. RIDDLE
 43805
 REGISTERED PROFESSIONAL ENGINEER
 DATE: 07.10.02

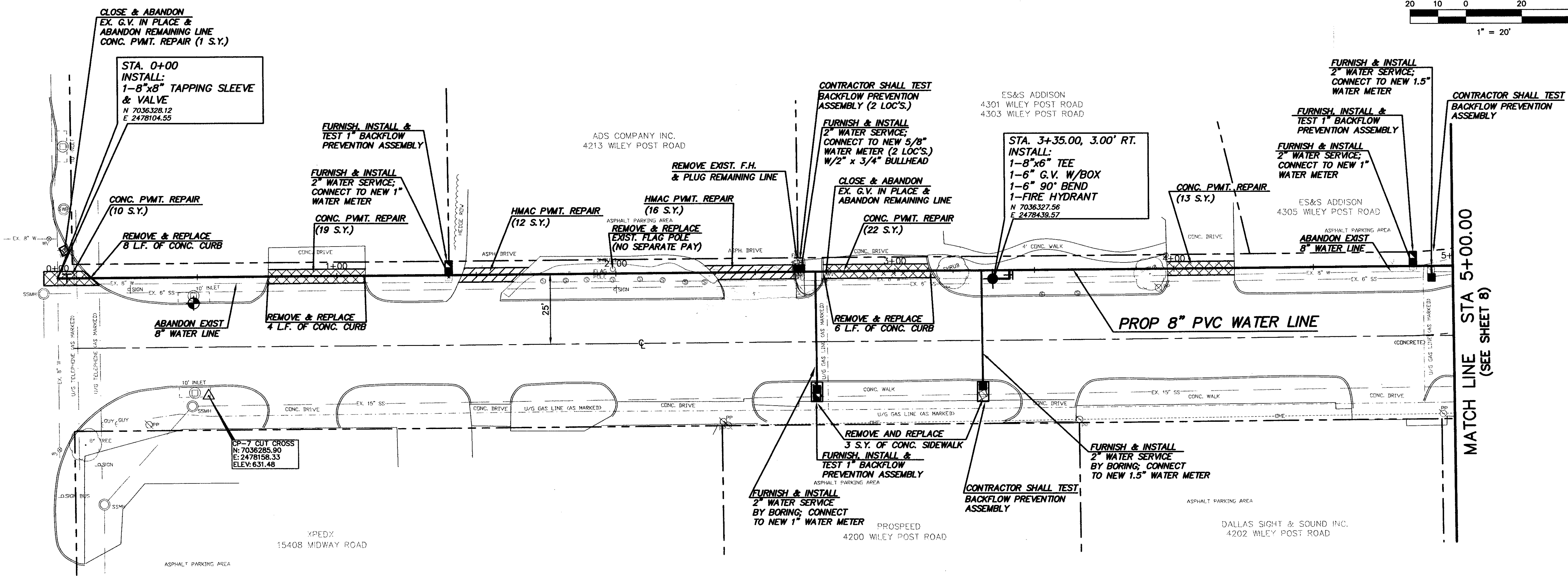
TOWN OF ADDISON
 WRIGHT BROTHERS / WILEY POST
WATER LINE REPLACEMENT
 WATER LINE PLAN - WRIGHT BROTHERS
 STA. 15+00.00 TO STA. 17+33.34

TNP PROJECT
ADD01.333
SHEET
6
OF
12



MIDWAY ROAD

MATCH LINE STA 5+00.00 (SEE SHEET B)



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WILEY POST ROAD

B.M.

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BOX CUT IN THE CENTER OF AN INLET AT THE NORTHEAST CORNER OF WILEY POST AND MIDWAY ALONG THE NORTH SIDE OF WILEY POST. ELEV.=631.53

CUT CROSS FOUND AT THE SOUTH SIDE OF WILEY POST ROAD AT THE PROJECTION OF CENTERLINE OF WRIGHT BROTHERS ROAD 12.6' WEST OF A 4' INLET. ELEV.=637.24

NO.	REVISION	BY	DATE

MSW DESIGNED
DAS DRAWN
JRP CHECKED

TOWN OF ADDISON

SCALE
HORIZ 1"=20'
VERT N/A
DATE JULY 2002

TEAGUE NALL AND PERKINS
CONSULTING ENGINEERS

1100 Macon Street Fort Worth, Texas 76102 (817) 336-5773

2001 West Irving Blvd Irving, Texas 75061 (972) 254-1765

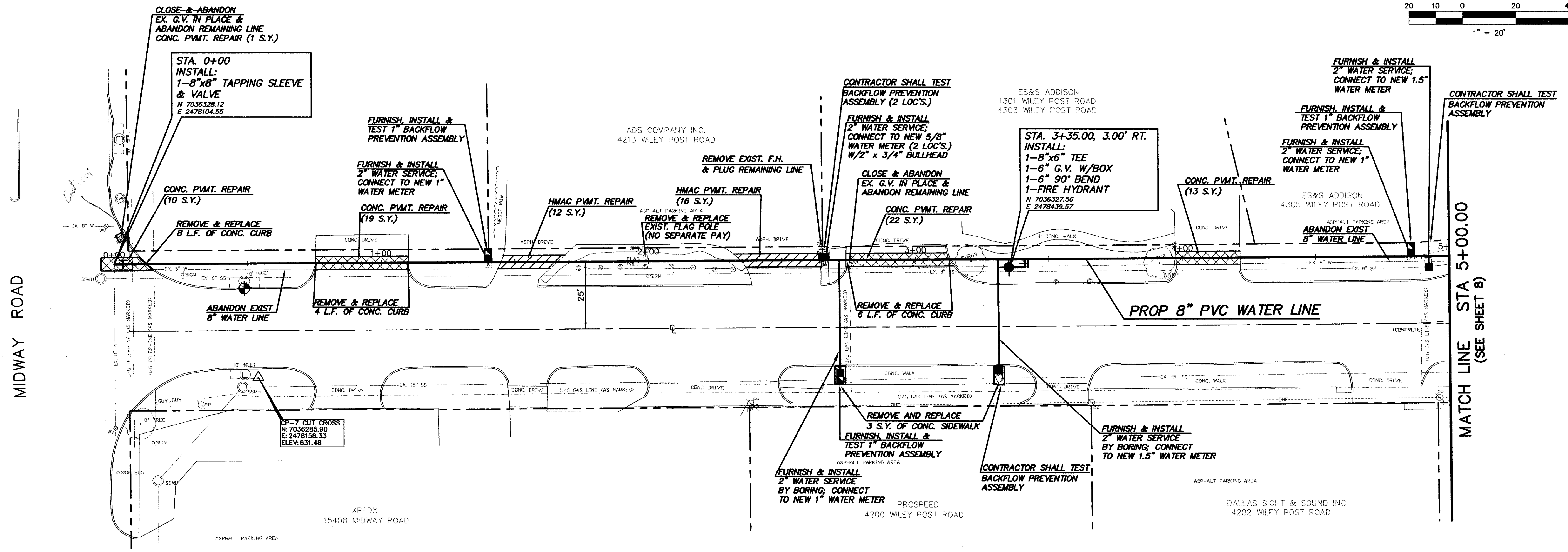
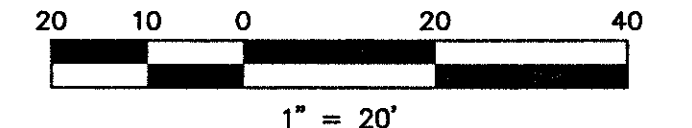
Professional Engineer Seal for Mark E. Riddle, P.E., No. 43805, State of Texas.

DATE: 07-10-02

TOWN OF ADDISON, TEXAS
WRIGHT BROTHERS / WILEY POST
WATER LINE REPLACEMENT
WATER LINE PLAN - WILEY POST
STA. 0+00.00 TO STA. 5+00.00

TWP PROJECT ADD01333
SHEET **7** OF 12

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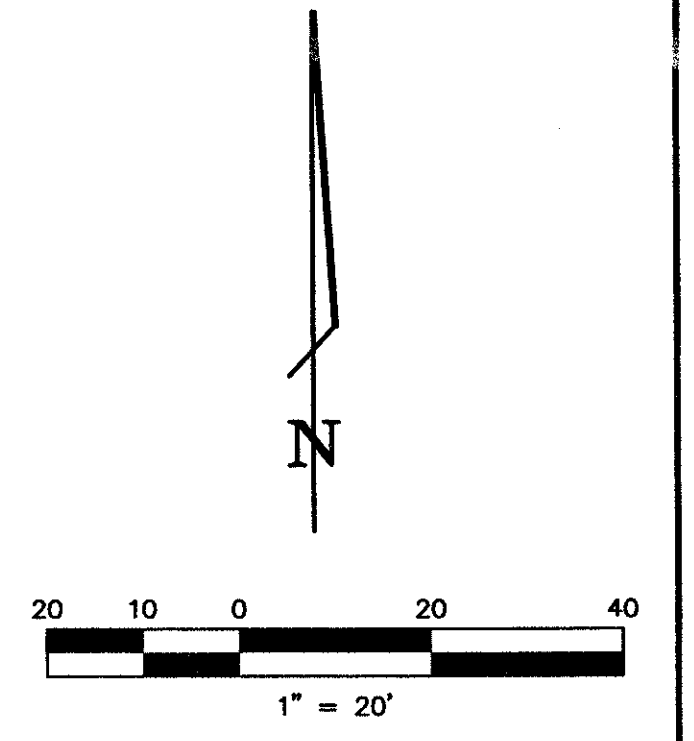
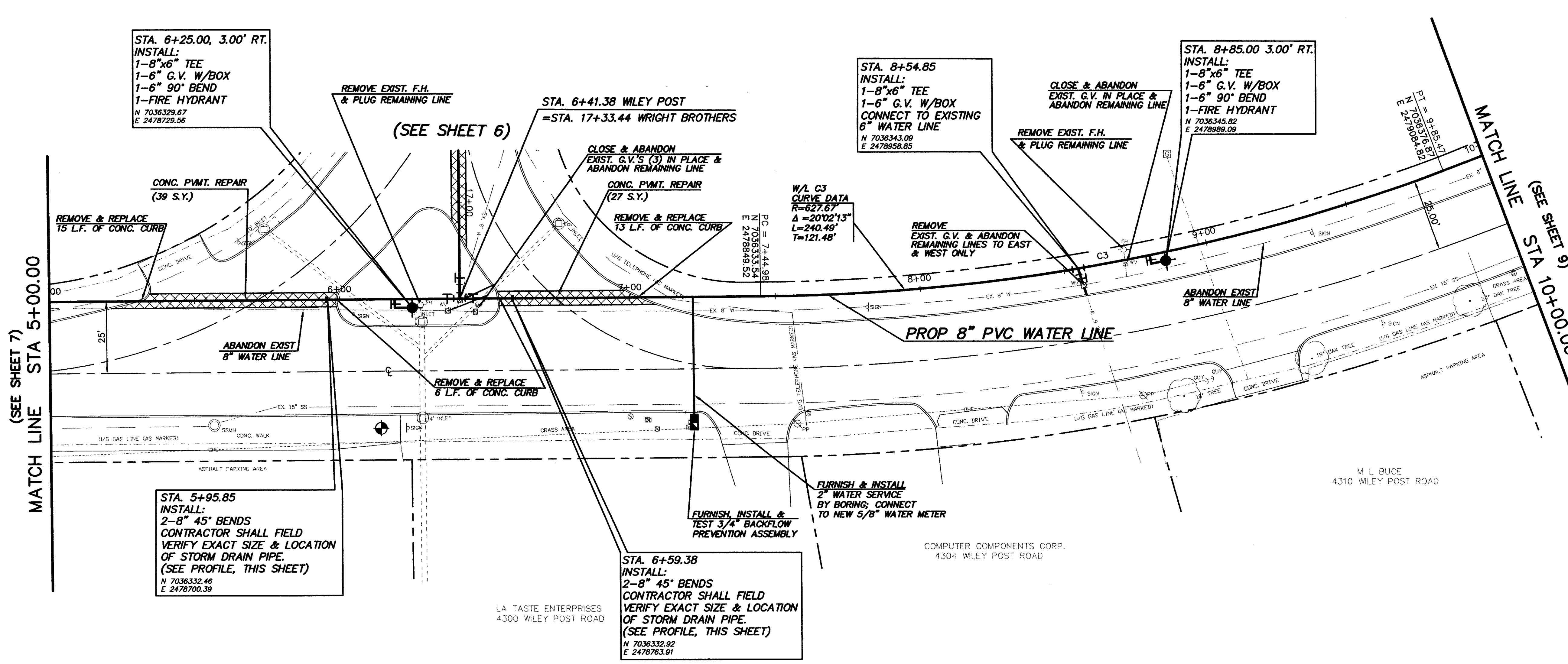
2001 West Irving Blvd Irving, Texas 75061 (972) 254-1765

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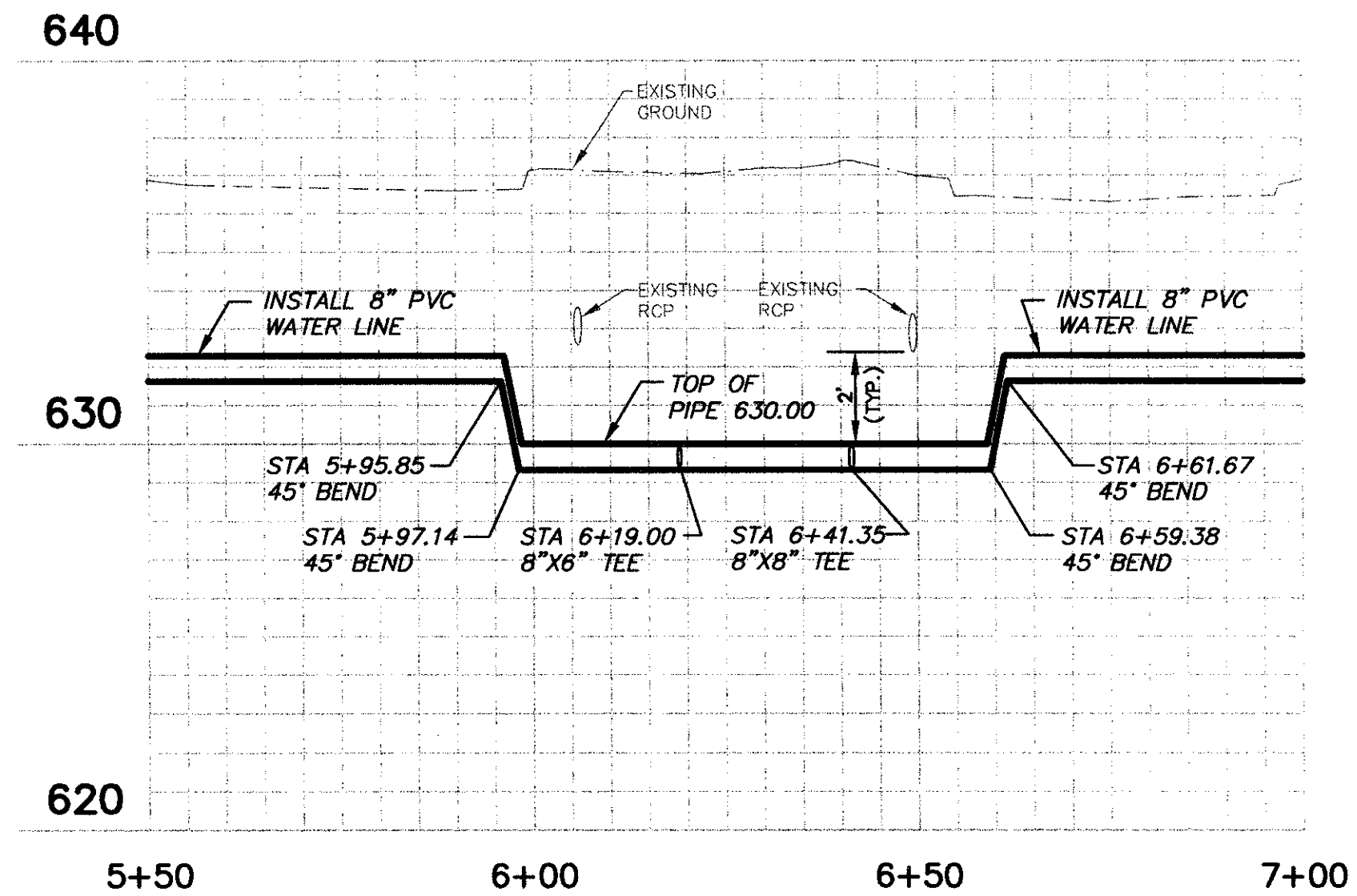
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TOWN OF ADDISON, TEXAS	TNP PROJECT ADD01333
WRIGHT BROTHERS / WILEY POST	SHEET 7
WATER LINE REPLACEMENT	OF 12
WATER LINE PLAN - WILEY POST	
STA. 0+00.00 TO STA. 5+00.00	

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WILEY POST ROAD



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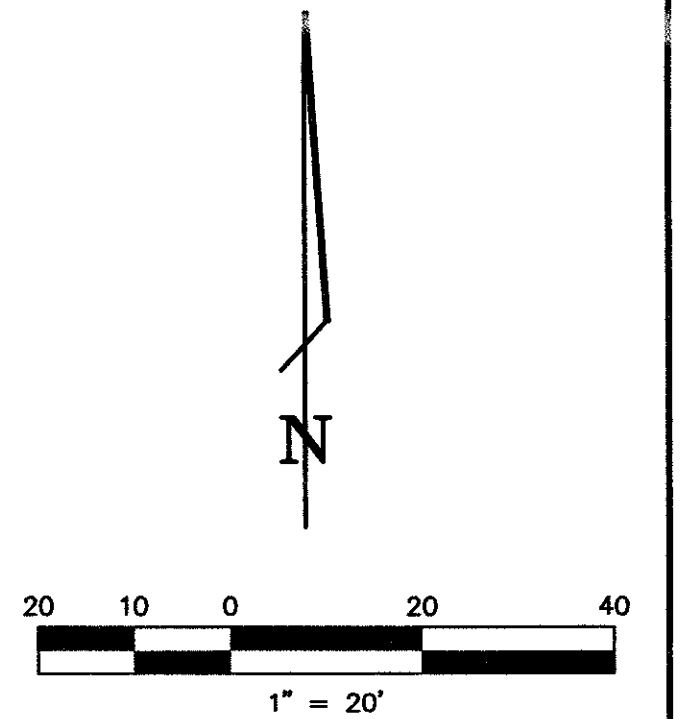
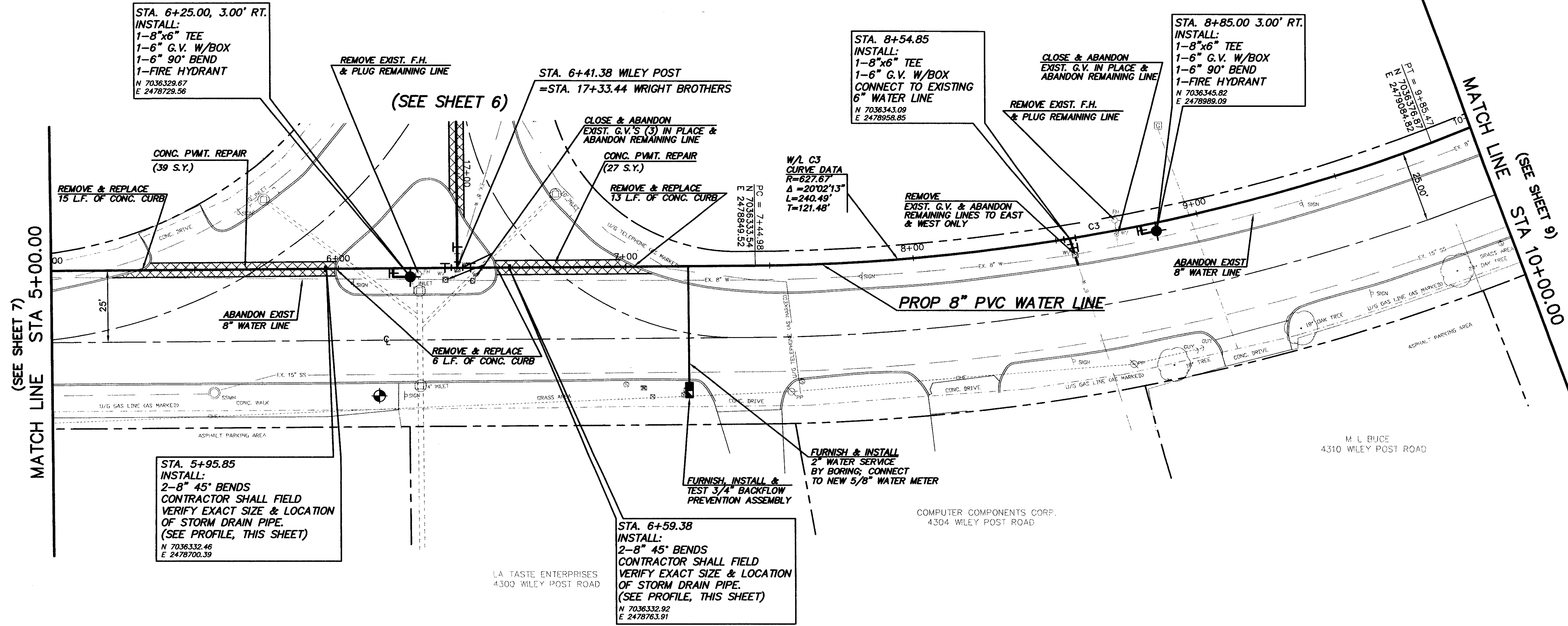
2001 West Irving Blvd. Irving, Texas 75061 (972) 254-1765

STATE OF TEXAS
REGISTERED PROFESSIONAL ENGINEER
MARK E. RIDDLE
43805
DATE: 07.10.02

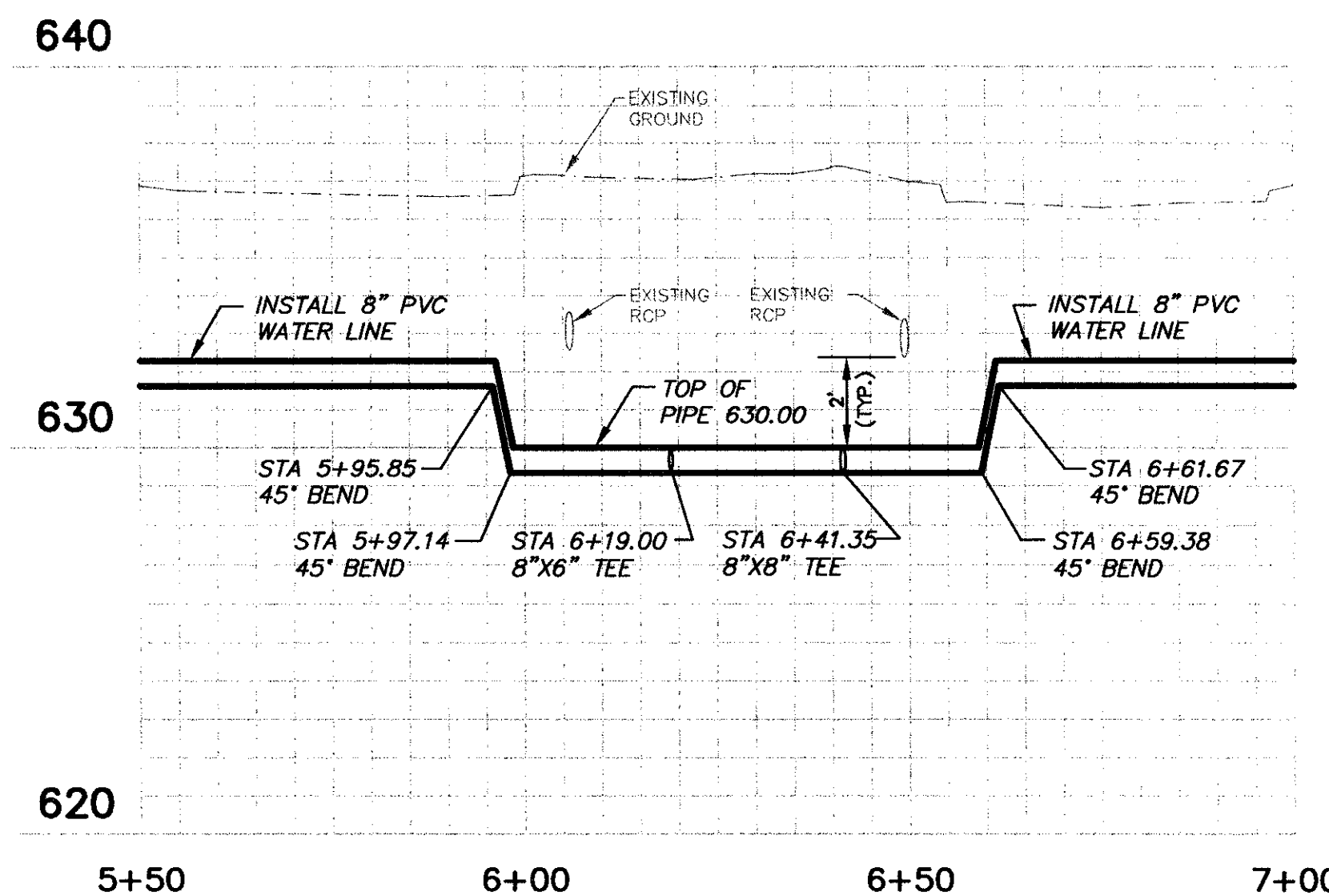
TOWN OF ADDISON
WRIGHT BROTHERS / WILEY POST
WATER LINE REPLACEMENT
WATER LINE PLAN - WILEY POST
STA. 5+00.00 TO STA. 10+00.00

SHEET **8** OF 12

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WILEY POST ROAD



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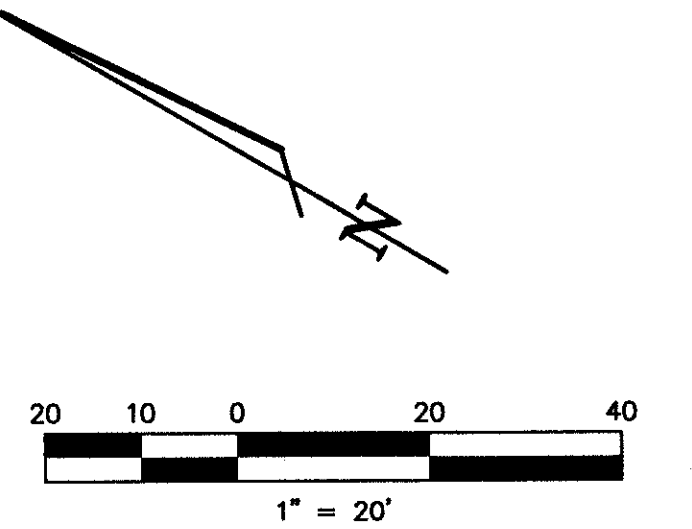
Professional Engineer Seal for Mark E. Riddle, State of Texas, No. 43805.

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TOWN OF ADDISON
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WATER LINE REPLACEMENT
WATER LINE PLAN - WILEY POST
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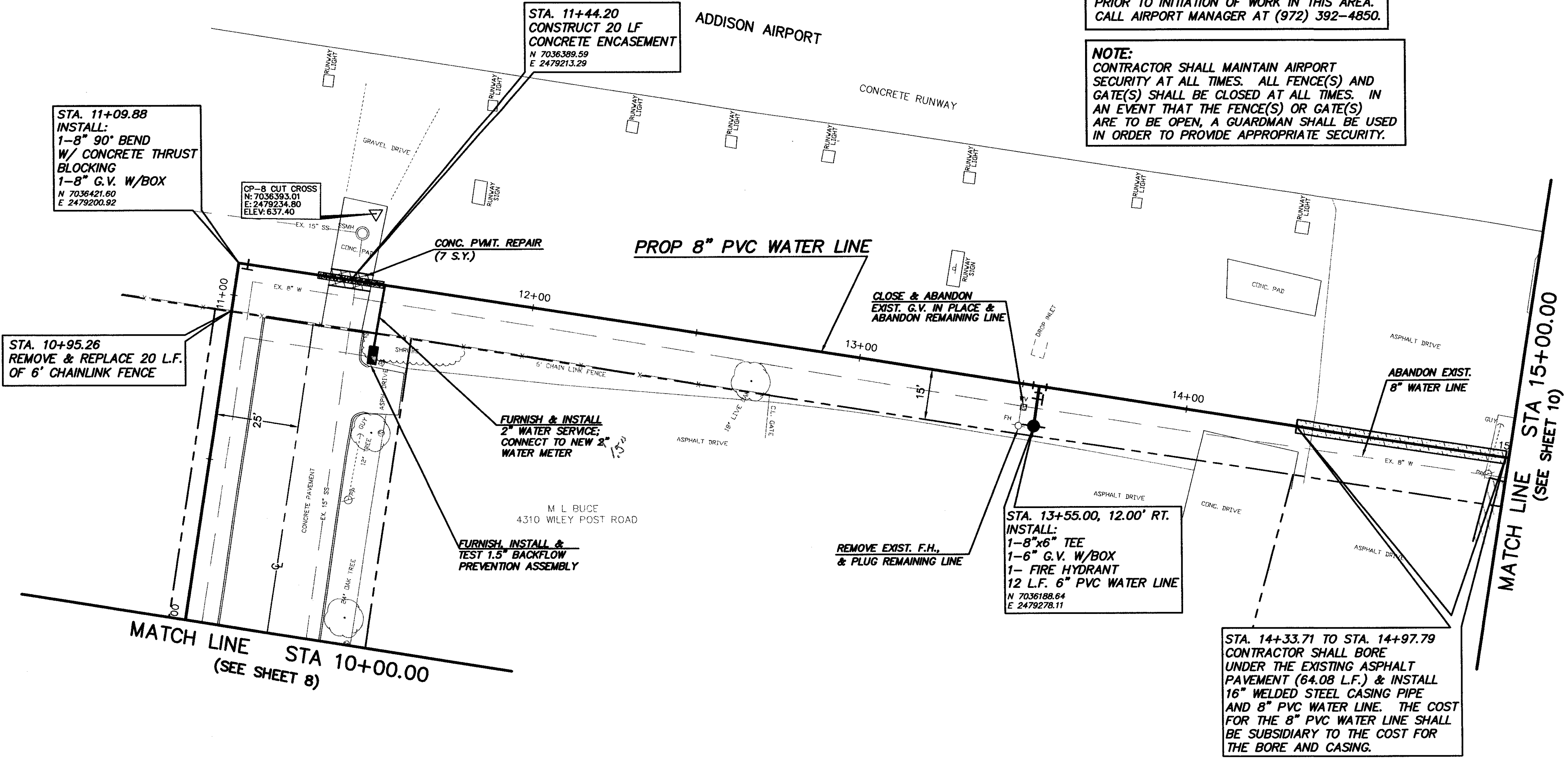
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OF
12

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WILEY POST ROAD - ADDISON AIRPORT

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TEAGUE NALL AND PERKINS
 CONSULTING ENGINEERS

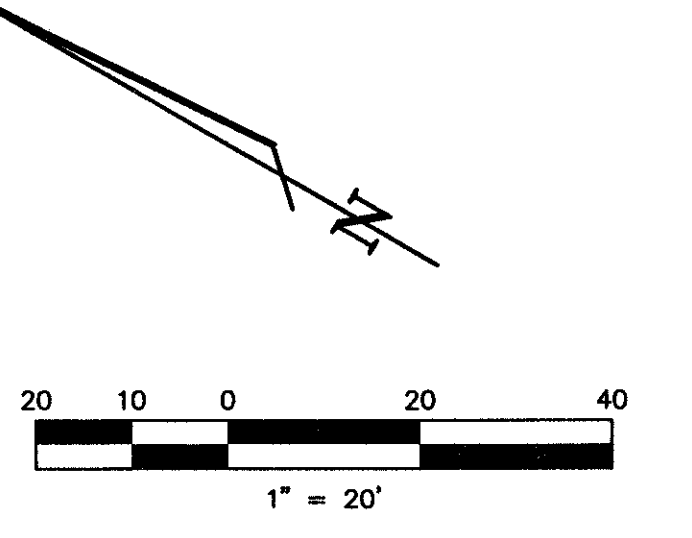
1100 Macon Street Fort Worth, Texas 76102 (817) 336-5773
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MARK E. RIDDLE
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TOWN OF ADDISON
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WATER LINE REPLACEMENT
 WATER LINE PLAN - WILEY POST
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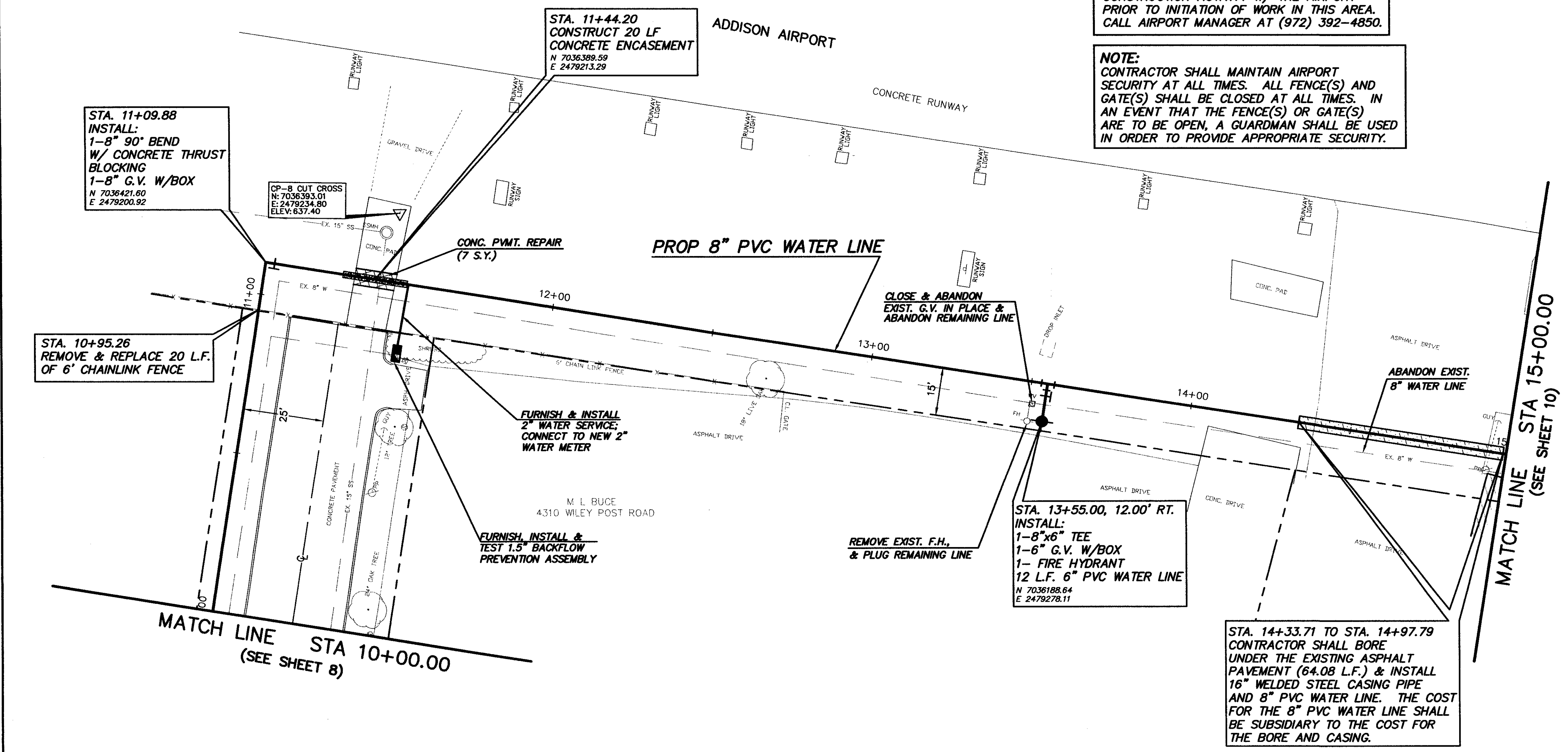
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WILEY POST ROAD - ADDISON AIRPORT

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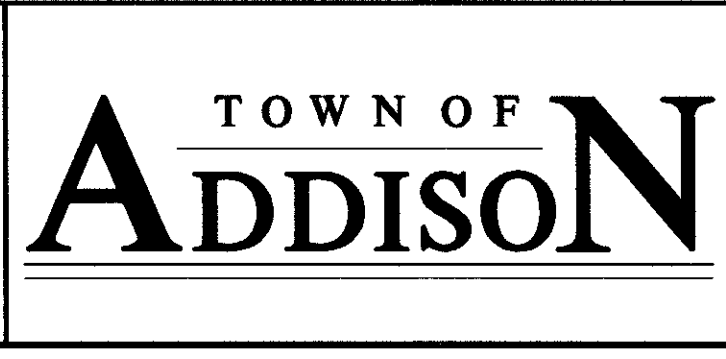
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 HORIZ
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TEAGUE NALL AND PERKINS
 CONSULTING ENGINEERS

1100 Macon Street Fort Worth, Texas 76102 (817) 336-5773

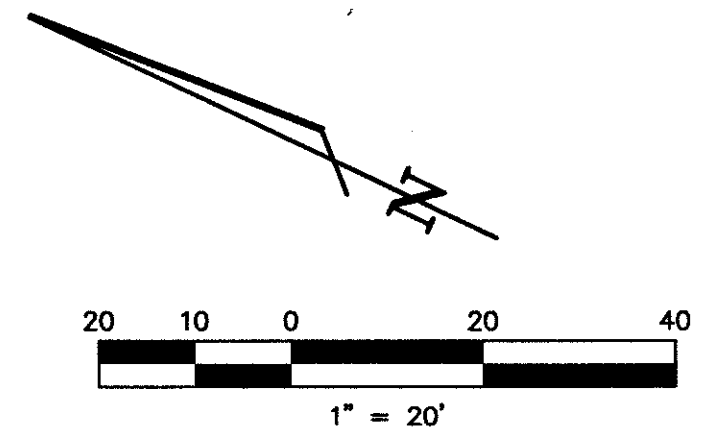
2001 West Irving Blvd Irving, Texas 75061 (972) 254-1765

Professional Engineer Seal for Mark E. Riddle, State of Texas, No. 43805. Signature of Mark E. Riddle. DATE: 07.10.02

TOWN OF ADDISON
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 WATER LINE PLAN - WILEY POST
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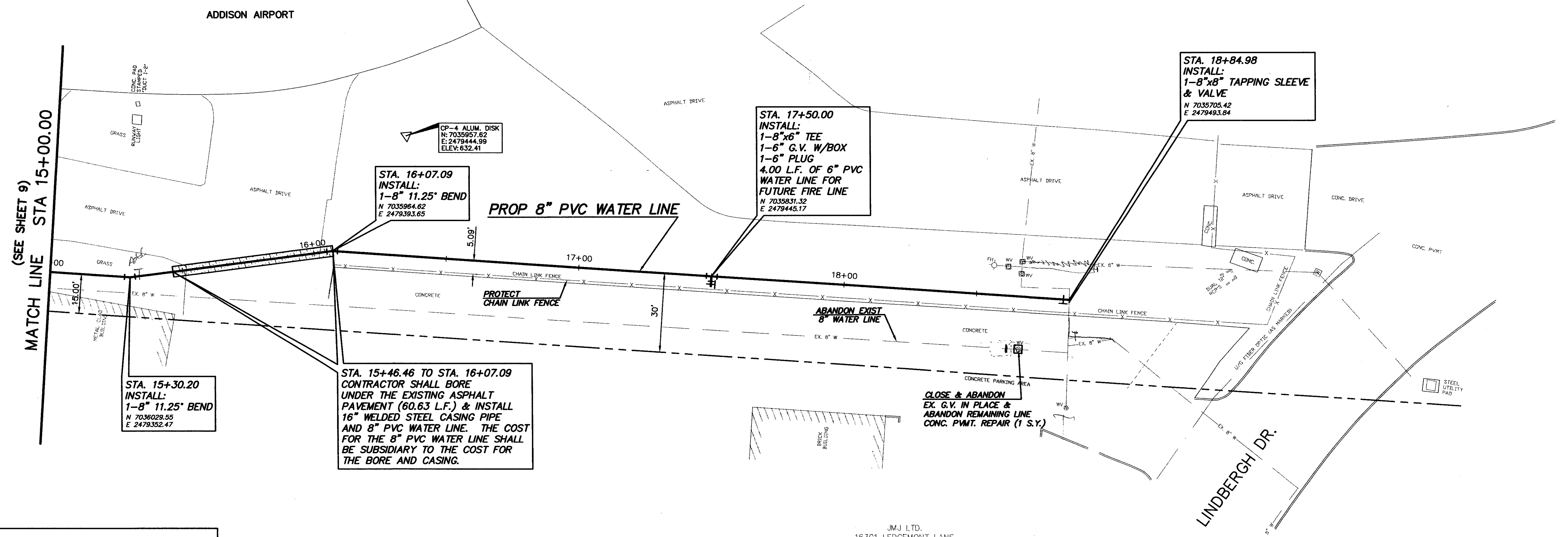
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MATCH LINE STA 15+00.00
 (SEE SHEET 9)

STA. 15+30.20
 INSTALL:
 1-8" 11.25" BEND
 N 7036029.55
 E 2479352.47

STA. 16+07.09
 INSTALL:
 1-8" 11.25" BEND
 N 7035984.62
 E 2479393.65

STA. 15+46.46 TO STA. 16+07.09
 CONTRACTOR SHALL BORE
 UNDER THE EXISTING ASPHALT
 PAVEMENT (60.63 L.F.) & INSTALL
 16" WELDED STEEL CASING PIPE
 AND 8" PVC WATER LINE. THE COST
 FOR THE 8" PVC WATER LINE SHALL
 BE SUBSIDIARY TO THE COST FOR
 THE BORE AND CASING.

STA. 17+50.00
 INSTALL:
 1-8"x6" TEE
 1-6" G.V. W/BOX
 1-6" PLUG
 4.00 L.F. OF 6" PVC
 WATER LINE FOR
 FUTURE FIRE LINE
 N 7035831.32
 E 2479445.17

STA. 18+84.98
 INSTALL:
 1-8"x8" TAPPING SLEEVE
 & VALVE
 N 7035705.42
 E 2479493.84

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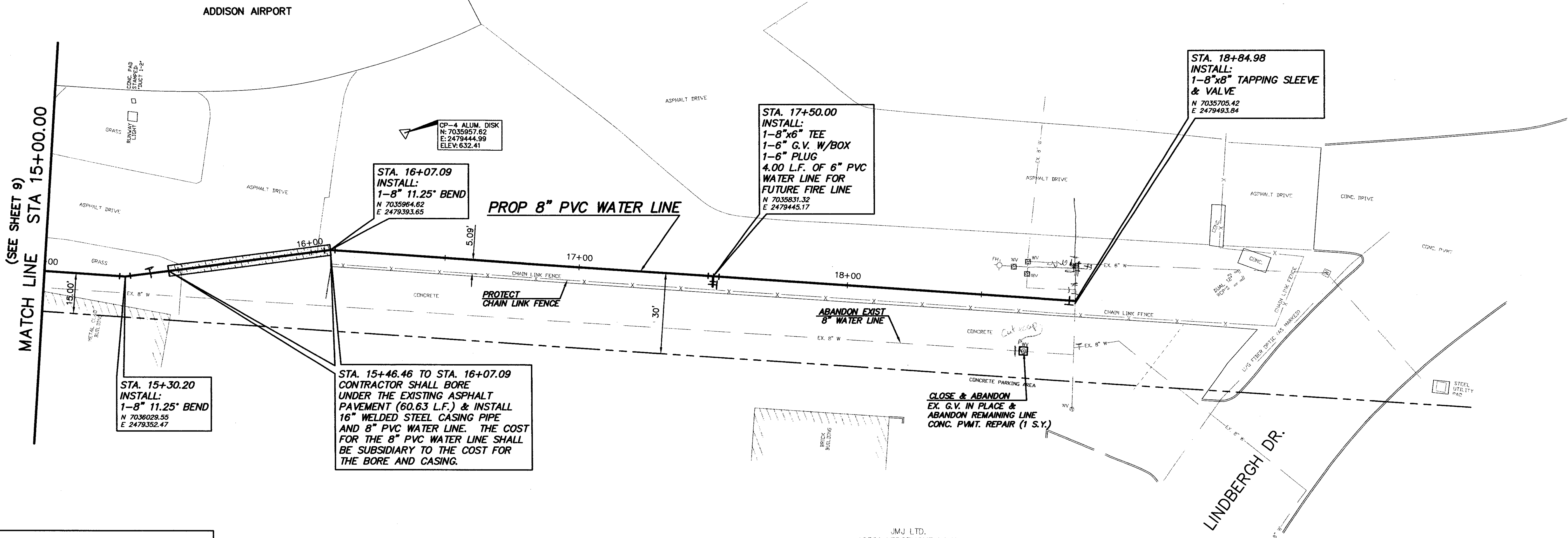
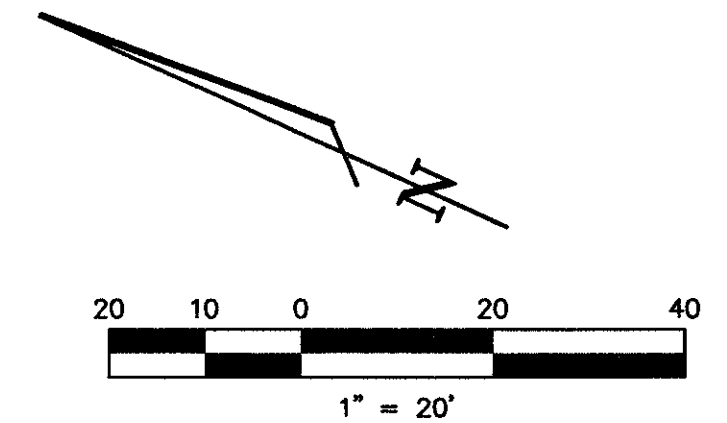
STATE OF TEXAS
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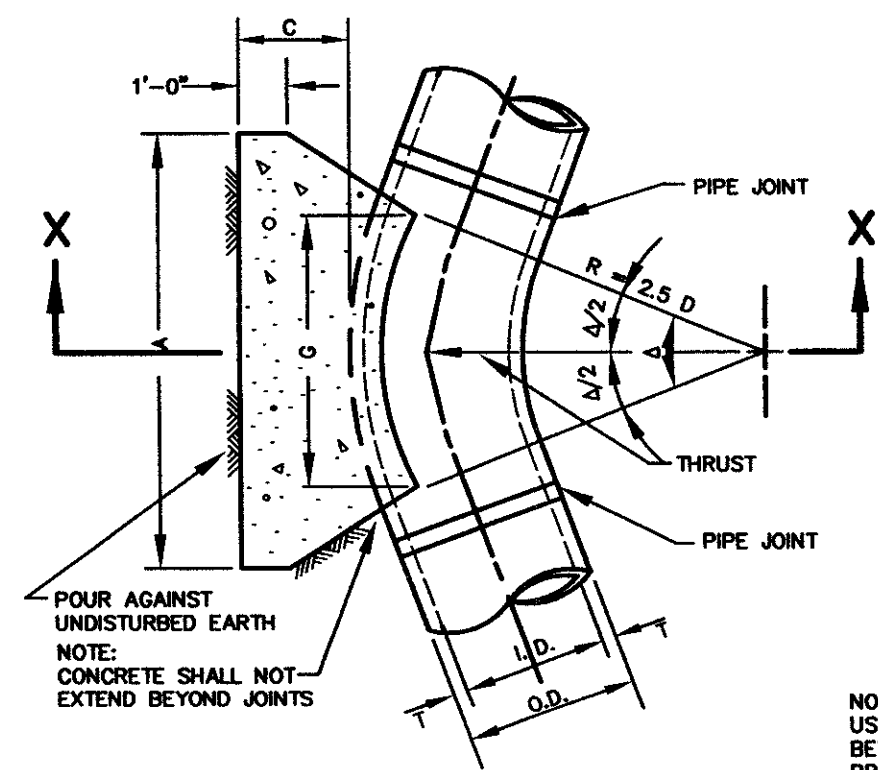
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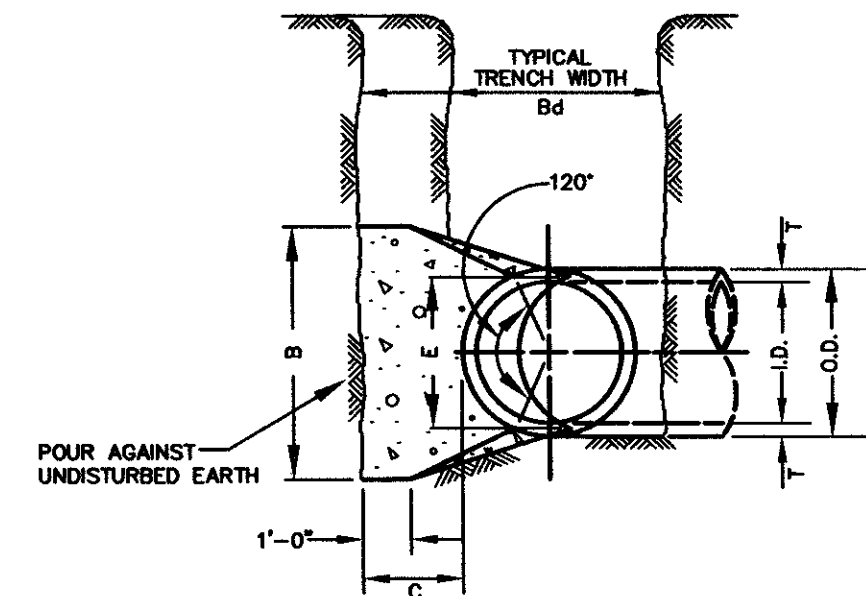
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 12

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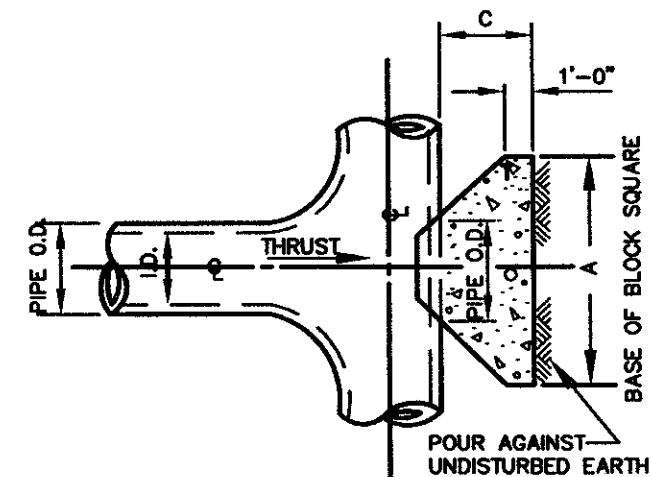


HORIZONTAL THRUST BLOCK
N.T.S.



SECTION X-X
N.T.S.

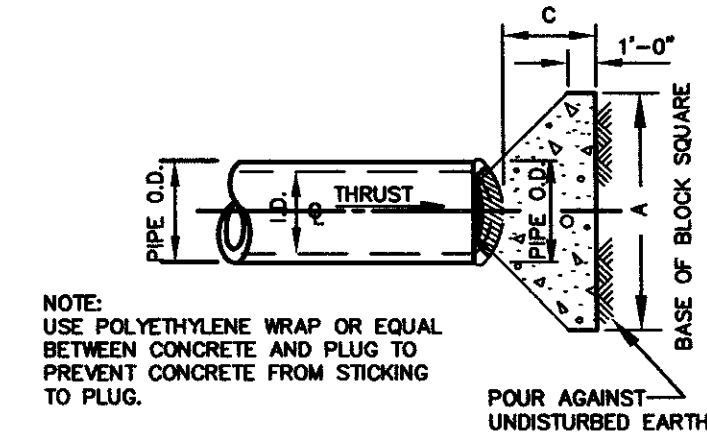
I.D. (IN)	Δ=11.25°			Δ=22.50°			Δ=45°			Δ=90°								
	C FT.	E FT.	G FT.	A FT.	B FT.	VOL. C.Y.	G FT.	A FT.	B FT.	VOL. C.Y.	G FT.	A FT.	B FT.	VOL. C.Y.				
6/8	1.5	0.9	0.4	1.0	1.5	0.1	0.8	1.5	1.5	0.1	1.5	2.0	2.0	0.2	2.7	5.0	1.5	0.4



PLAN OF TEE THRUST BLOCK
N.T.S.

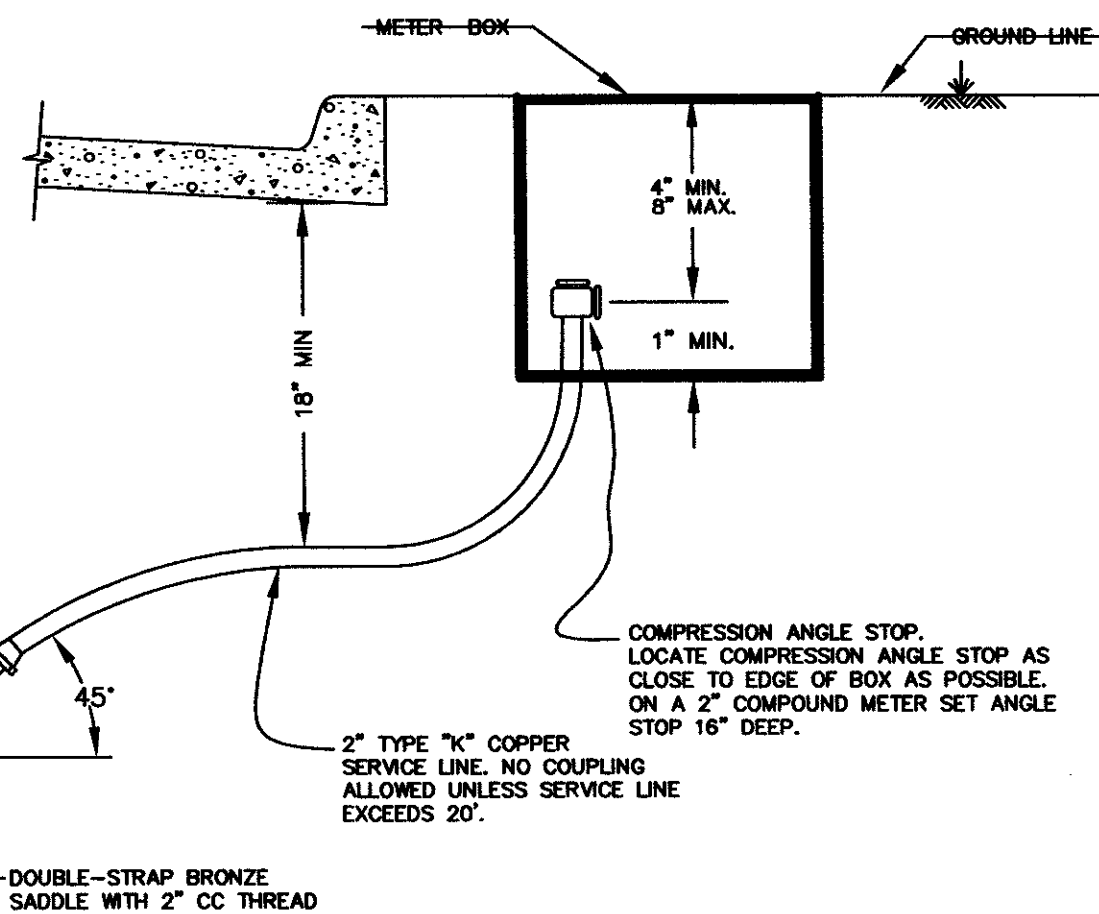
PLUG & TEE THRUST BLOCK

I.D. (IN)	C FT.	A FT.	VOL. C.Y.
6/8	1.5	2.5	0.3
10/12	1.5	3.5	0.6
16/18	2.0	5.5	1.6
20	2.0	6.0	1.9
24	2.5	7.0	3.1
30	3.0	7.5	4.1

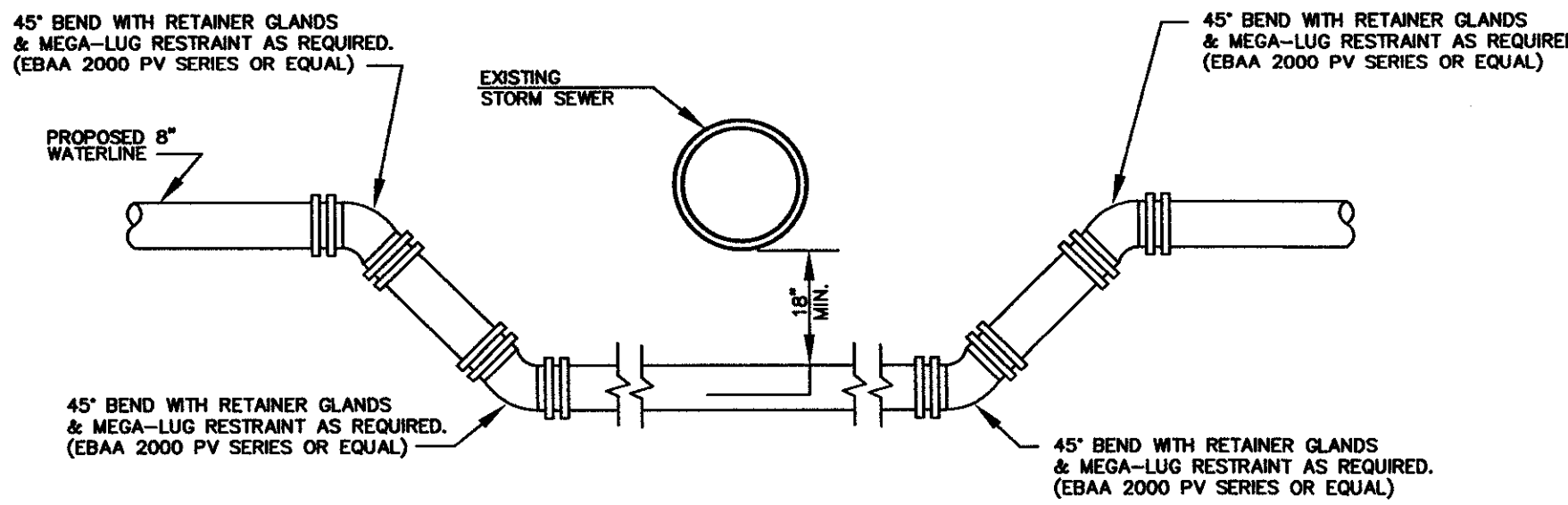


PLAN OF PLUG THRUST BLOCK
N.T.S.

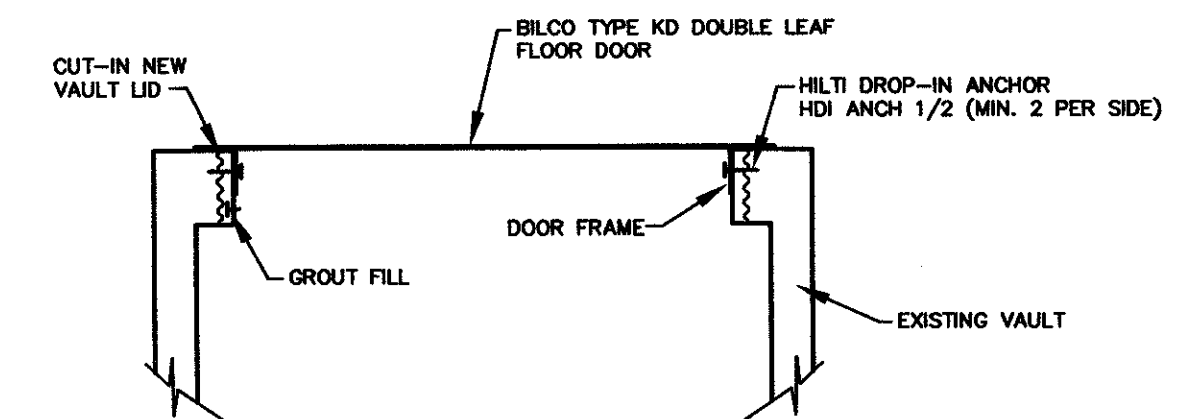
- GENERAL NOTES FOR ALL THRUST BLOCKS:
- ALL CALCULATIONS ARE BASED ON INTERNAL PRESSURE OF 200 P.S.I. (EXCEPT 30" I.D. - 150 P.S.I.).
 - CONCRETE FOR BLOCKING SHALL BE CLASS B, 2000 P.S.I. CONCRETE.
 - DIMENSIONS MAY BE VARIED AS REQUIRED BY FIELD CONDITIONS WHERE AND AS DIRECTED BY THE C.H. THE NET VOLUME OF CONCRETE BLOCKING SHALL NOT BE LESS THAN SHOWN IN TABLES.



TYPICAL SERVICE CONNECTION WITH METER BOX
N.T.S.

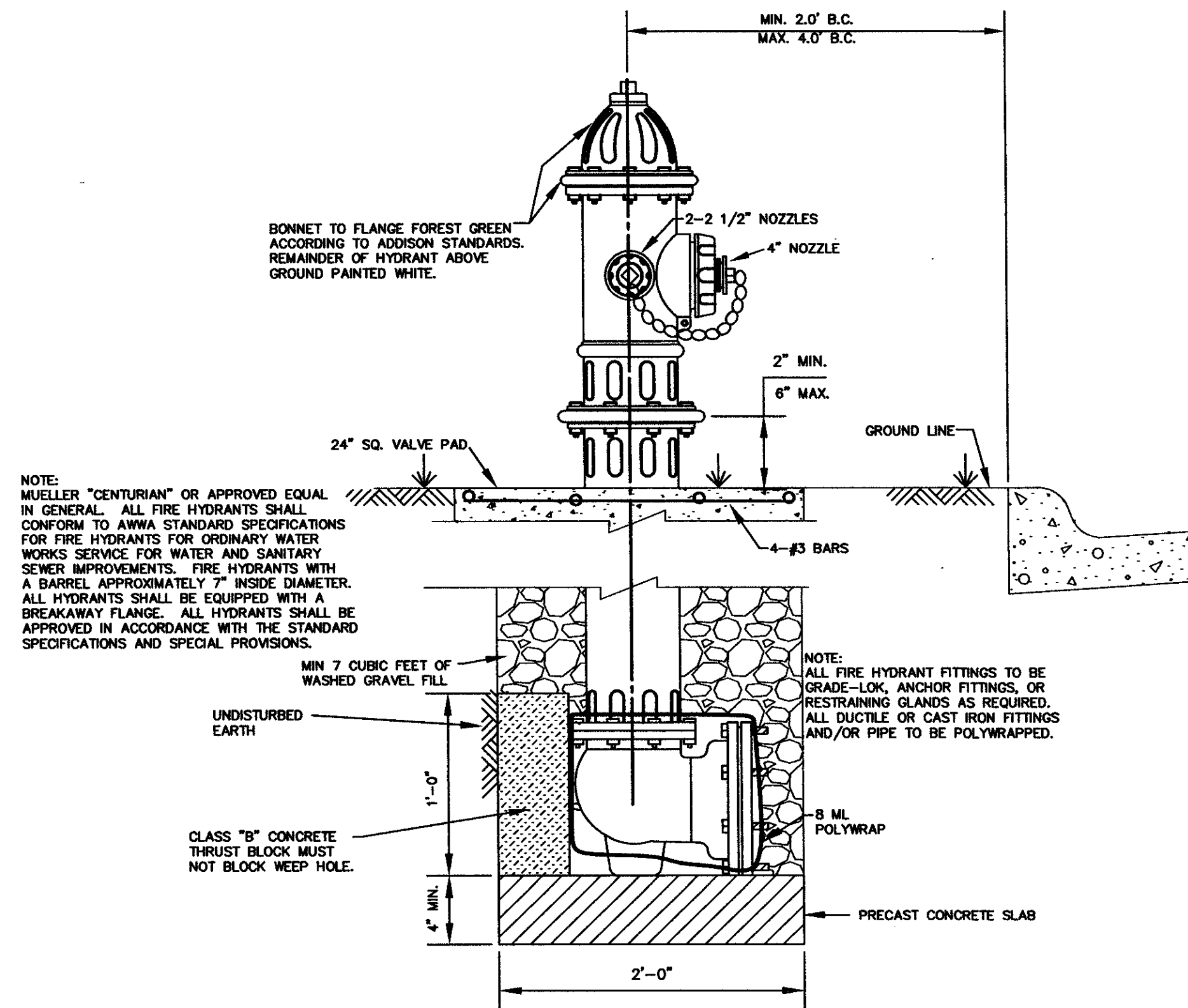


WATER LINE RELOCATION AT STORM SEWER CROSSING
TYPICAL SECTION
N.T.S.

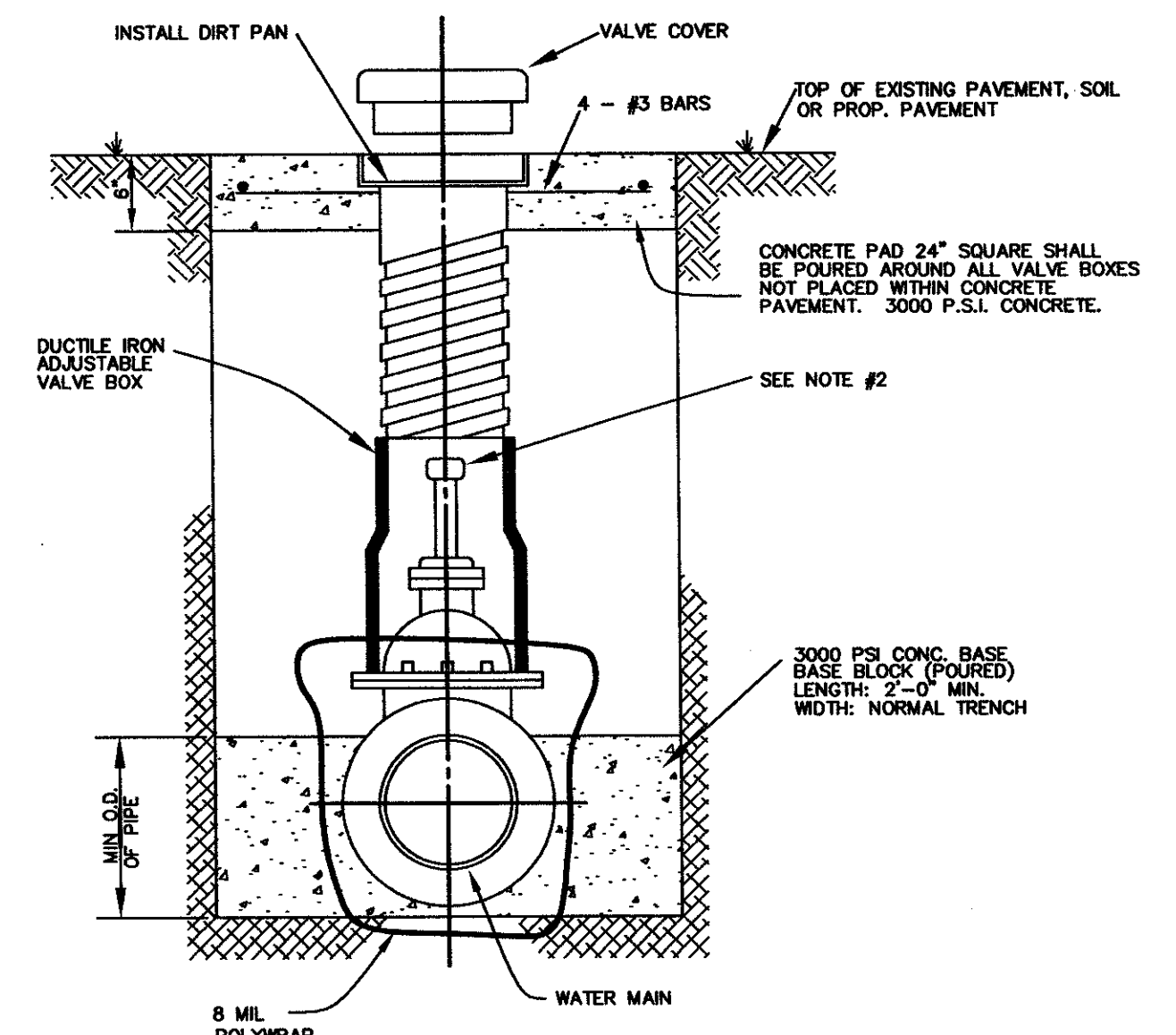


- GENERAL NOTES FOR METER VAULT LIDS:
- CONTRACTOR SHALL INSTALL BILCO TYPE KD-3 DOUBLE LEAF ALUMINUM DOORS OR APPROVED EQUAL AS DIRECTED BY THE OWNER.
 - CONTRACTOR SHALL SAWCUT EXISTING CONCRETE IN ORDER FOR THE NEW WATER VAULT LID TO ADEQUATELY FIT. THE CONTRACTOR SHALL GROUT AROUND THE PROPOSED WATER VAULT LID AND INSTALL ANCHORS INTO THE EXISTING CONCRETE AS REQUIRED (MIN. 2 EACH SIDE).

WATER VAULT LID
N.T.S.



TYPICAL FIRE HYDRANT INSTALLATION
N.T.S.



- NOTE:
- GATE VALVES SHALL BE IN ACCORDANCE WITH AWWA STANDARD C-509-80 OR LATEST THEREOF. ALL VALVES SHALL BE "MUELLER" OR EQUAL.
 - A PERMANENTLY ATTACHED VALVE EXTENSION STEM SHALL BE REQUIRED FOR ANY VALVE WHOSE OPERATING NUT IS LOCATED IN EXCESS OF 4 FEET BELOW THE VALVE BOX. THIS EXTENSION SHALL BE OF SUFFICIENT LENGTH TO INSURE THAT ITS TOP IS WITHIN 4 FEET OF VALVE BOX LID. MANUFACTURED VALVE STACK DUCTILE IRON PIPE TO BE USED FOR EXTENSION GREATER THAN 4". BELL END OF STACK TO BE FITTED OVER VALVE, AND VALVE STACK IS TO BE POLYWRAPPED.
 - VALVES SHALL BE OF DUCTILE IRON W/RUBBER ENCAPSULATED DISK. BOLTS SHALL BE STAINLESS STEEL OF SAME SIZE ON EACH VALVE.
 - VALVE COVERS SHALL BE MARKED "WATER".

TYPICAL VALVE SETTING & BOX
N.T.S.

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NO.	REVISION	BY	DATE

MSW DESIGNED
DAS DRAWN
JRP CHECKED

TOWN OF ADDISON

SCALE
HORIZ N/A
VERT N/A
DATE
JULY 2002

TEAGUE NALL AND PERKINS
CONSULTING ENGINEERS

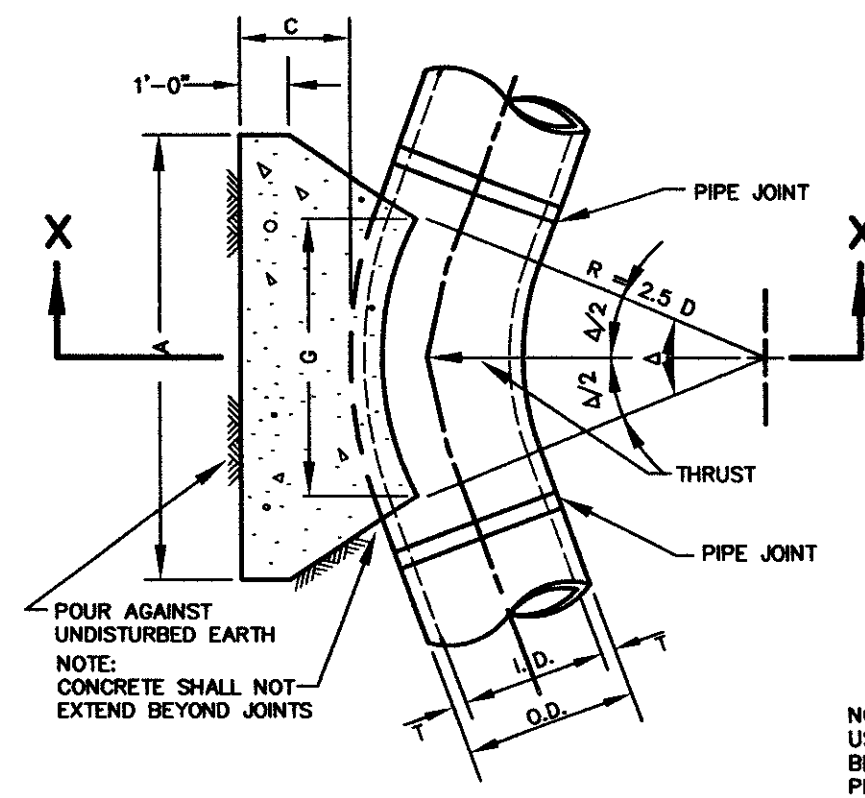
1100 Macon Street Fort Worth, Texas 76102 (817) 336-5773

2001 West Irving Blvd. Irving, Texas 75061 (972) 254-1765

MARK E. RIDDLE
REGISTERED PROFESSIONAL ENGINEER
43805
DATE: 07.10.02

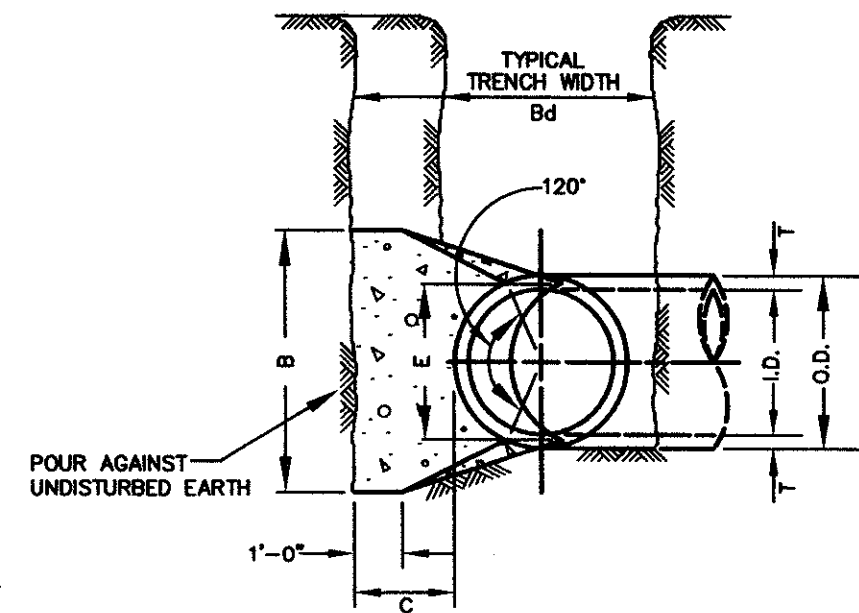
TOWN OF ADDISON
WRIGHT BROTHERS / WILEY POST
WATER LINE REPLACEMENT
MISCELLANEOUS DETAILS 1

TNP PROJECT ADD01333
SHEET **11** OF 12



HORIZONTAL THRUST BLOCK

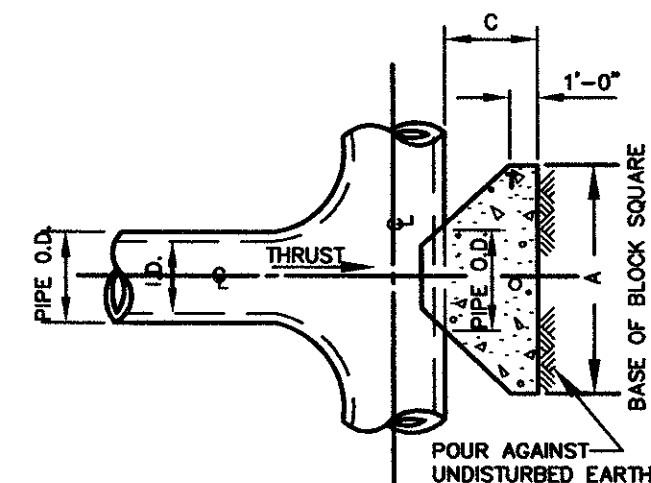
N.T.S.



SECTION X-X

N.T.S.

I.D. (IN)	Δ=11.25°					Δ=22.50°					Δ=45°					Δ=90°						
	C FT.	E FT.	G FT.	A FT.	B FT.	G FT.	A FT.	B FT.	VOL. C.Y.	G FT.	A FT.	B FT.	VOL. C.Y.	G FT.	A FT.	B FT.	VOL. C.Y.	G FT.	A FT.	B FT.	VOL. C.Y.	
6/8	1.5	0.9	0.4	1.0	1.5	0.8	1.5	1.5	0.1	1.5	2.0	2.0	0.2	2.7	5.0	1.5	0.4					

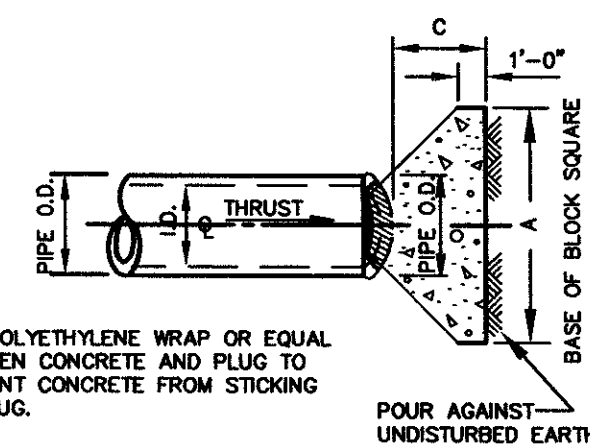


PLAN OF TEE THRUST BLOCK

N.T.S.

PLUG & TEE THRUST BLOCK

I.D. (IN)	C FT.	A FT.	VOL. C.Y.
6/8	1.5	2.5	0.3
10/12	1.5	3.5	0.6
16/18	2.0	5.5	1.8
20	2.0	6.0	1.9
24	2.5	7.0	3.1
30	3.0	7.5	4.1



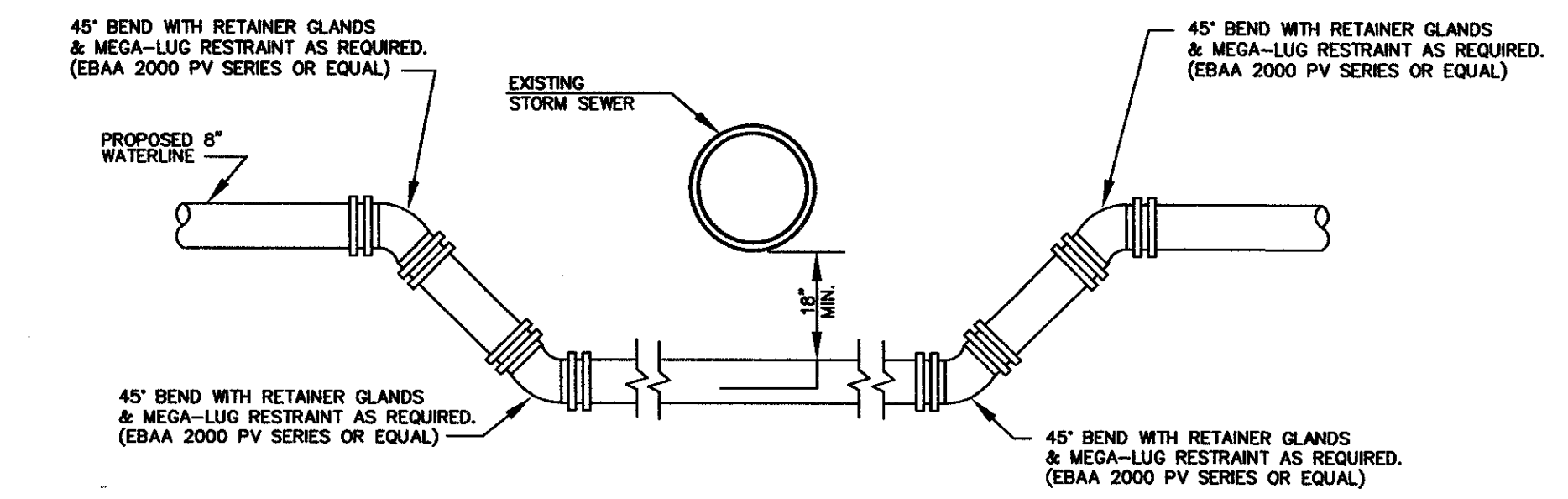
PLAN OF PLUG THRUST BLOCK

N.T.S.

GENERAL NOTES FOR ALL THRUST BLOCKS:

- ALL CALCULATIONS ARE BASED ON INTERNAL PRESSURE OF 200 P.S.I. (EXCEPT 30" I.D. - 150 P.S.I.).
- CONCRETE FOR BLOCKING SHALL BE CLASS B, 2000 P.S.I. CONCRETE.
- DIMENSIONS MAY BE VARIED AS REQUIRED BY FIELD CONDITIONS WHERE AND AS DIRECTED BY THE C.M. THE NET VOLUME OF CONCRETE BLOCKING SHALL NOT BE LESS THAN SHOWN IN TABLES.

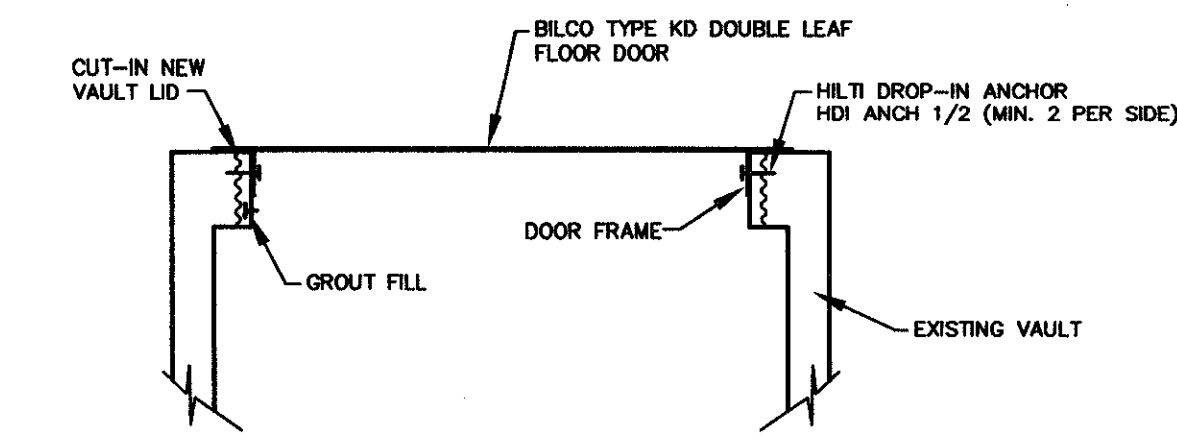
NOTE: WATER SERVICES SHALL NOT BE CONNECTED TO FIRE HYDRANT LINES. ALL MATERIALS SHALL CONFORM TO THE STANDARD SPECIFICATIONS AND/OR SPECIAL PROVISIONS.



WATER LINE RELOCATION AT STORM SEWER CROSSING

TYPICAL SECTION

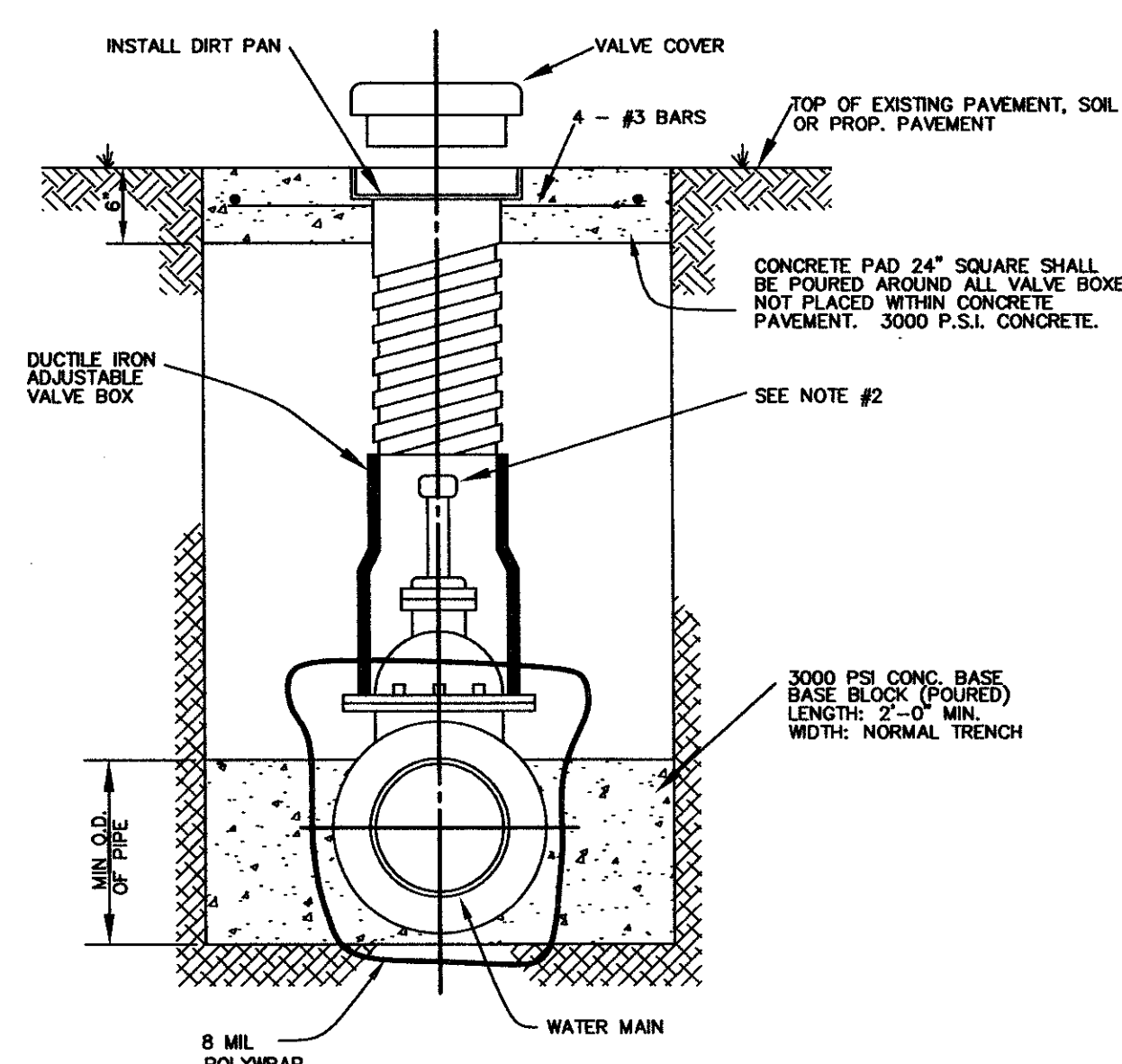
N.T.S.



WATER VAULT LID

N.T.S.

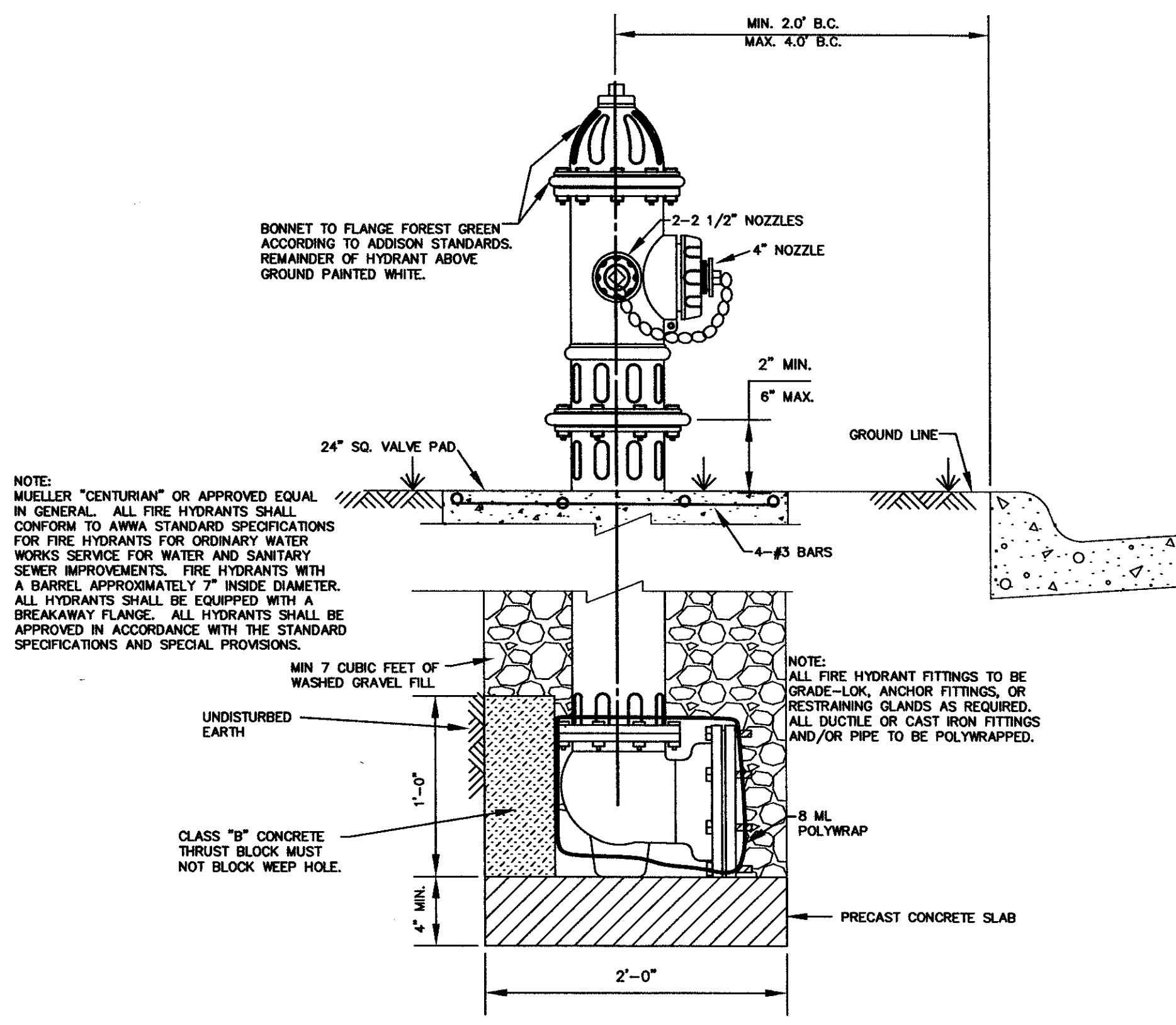
- GENERAL NOTES FOR METER VAULT LIDS:
- CONTRACTOR SHALL INSTALL BILCO TYPE KD-3 DOUBLE LEAF ALUMINUM DOORS OR APPROVED EQUAL AS DIRECTED BY THE OWNER.
 - CONTRACTOR SHALL SAWCUT EXISTING CONCRETE IN ORDER FOR THE NEW WATER VAULT LID TO ADEQUATELY FIT. THE CONTRACTOR SHALL GROUT AROUND THE PROPOSED WATER VAULT LID AND INSTALL ANCHORS INTO THE EXISTING CONCRETE AS REQUIRED (MIN. 2 EACH SIDE).



TYPICAL VALVE SETTING & BOX

N.T.S.

- NOTE:
- GATE VALVES SHALL BE IN ACCORDANCE WITH AWWA STANDARD C-508-80 OR LATEST THEREOF. ALL VALVES SHALL BE "MUELLER" OR EQUAL.
 - A PERMANENTLY ATTACHED VALVE EXTENSION STEM SHALL BE REQUIRED FOR ANY VALVE WHOSE OPERATING NUT IS LOCATED IN EXCESS OF 4 FEET BELOW THE VALVE BOX. THIS EXTENSION SHALL BE OF SUFFICIENT LENGTH TO INSURE THAT ITS TOP IS WITHIN 4 FEET OF VALVE BOX LID. MANUFACTURED VALVE STACK DUCTILE IRON PIPE TO BE USED FOR EXTENSION GREATER THAN 4". BELL END OF STACK TO BE FITTED OVER VALVE, AND VALVE STACK IS TO BE POLYWRAPPED.
 - VALVES SHALL BE OF DUCTILE IRON W/ RUBBER ENCAPSULATED DISK. BOLTS SHALL BE STAINLESS STEEL OF SAME SIZE ON EACH VALVE.
 - VALVE COVERS SHALL BE MARKED "WATER".



TYPICAL FIRE HYDRANT INSTALLATION

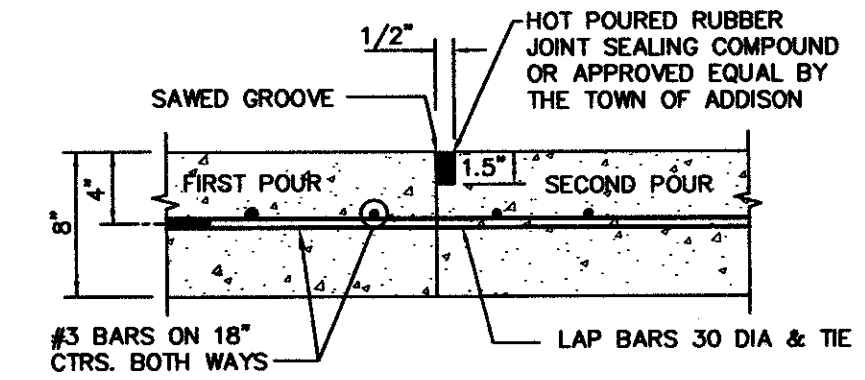
N.T.S.

NOTE: MUELLER "CENTURIUM" OR APPROVED EQUAL IN GENERAL. ALL FIRE HYDRANTS SHALL CONFORM TO AWWA STANDARD SPECIFICATIONS FOR FIRE HYDRANTS FOR ORDINARY WATER WORKS SERVICE FOR WATER AND SANITARY SEWER IMPROVEMENTS. FIRE HYDRANTS WITH A BARREL APPROXIMATELY 7" INSIDE DIAMETER. ALL HYDRANTS SHALL BE EQUIPPED WITH A BREAKAWAY FLANGE. ALL HYDRANTS SHALL BE APPROVED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

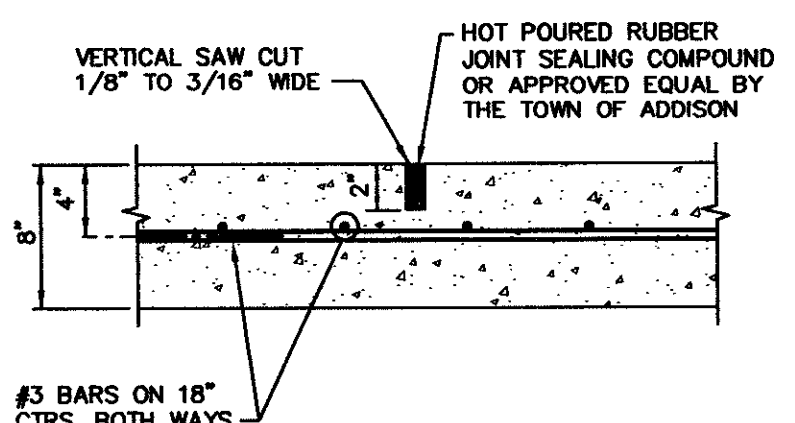
NOTE: ALL FIRE HYDRANT FITTINGS TO BE GRADE-LOK, ANCHOR FITTINGS, OR RESTRAINING GLANDS AS REQUIRED. ALL DUCTILE OR CAST IRON FITTINGS AND/OR PIPE TO BE POLYWRAPPED.

NO.	REVISION	BY	DATE	<p>MSW DESIGNED</p> <p>DAS DRAWN</p> <p>JRP CHECKED</p>	<p>TOWN OF ADDISON</p>	<p>SCALE HORIZ N/A</p> <p>VERT N/A</p> <p>DATE JULY 2002</p>	<p>TEAGUE NALL AND PERKINS CONSULTING ENGINEERS</p> <p>1100 Macon Street Fort Worth, Texas 76102 (817) 336-5773</p> <p>2001 West Irving Blvd. Irving, Texas 75061 (972) 254-1765</p>		<p>TOWN OF ADDISON WRIGHT BROTHERS / WILEY POST WATER LINE REPLACEMENT</p>	TNP PROJECT ADD01333

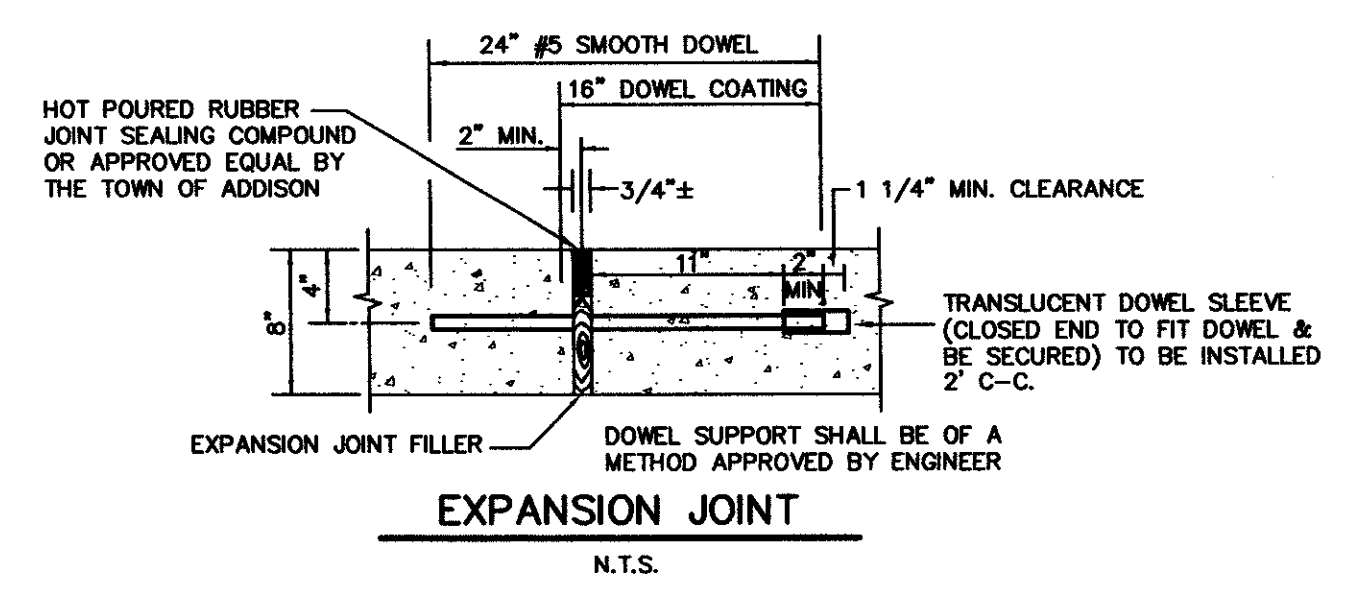
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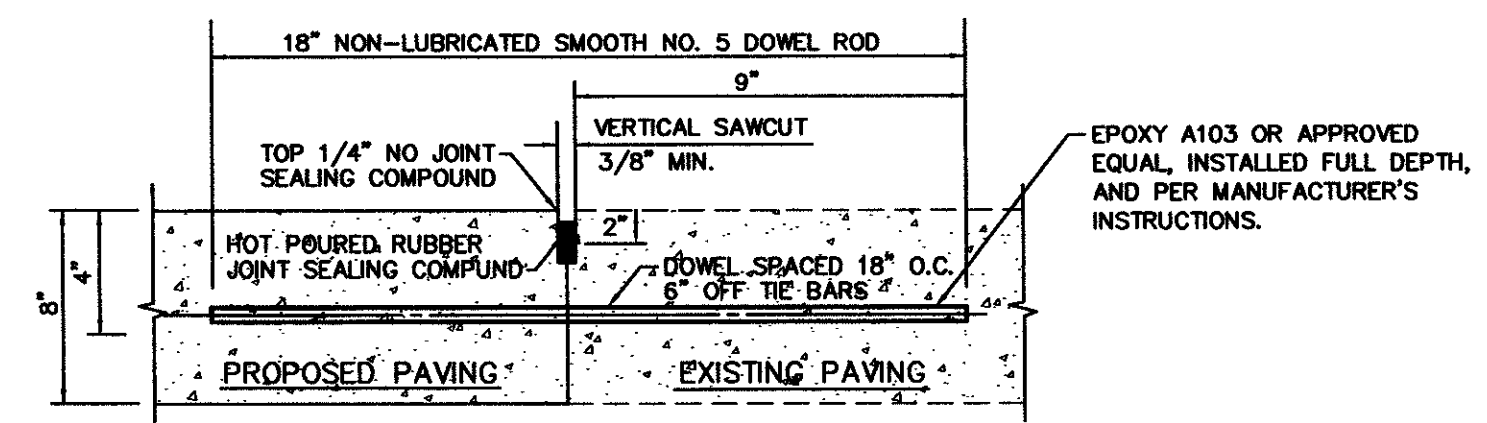
CONSTRUCTION JOINT
N.T.S.



SAWED DUMMY JOINT
N.T.S.

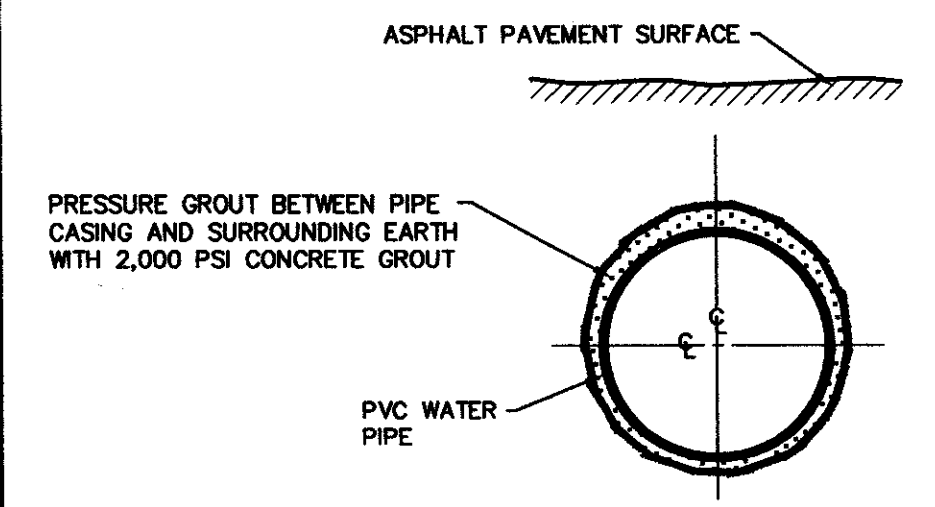


EXPANSION JOINT
N.T.S.

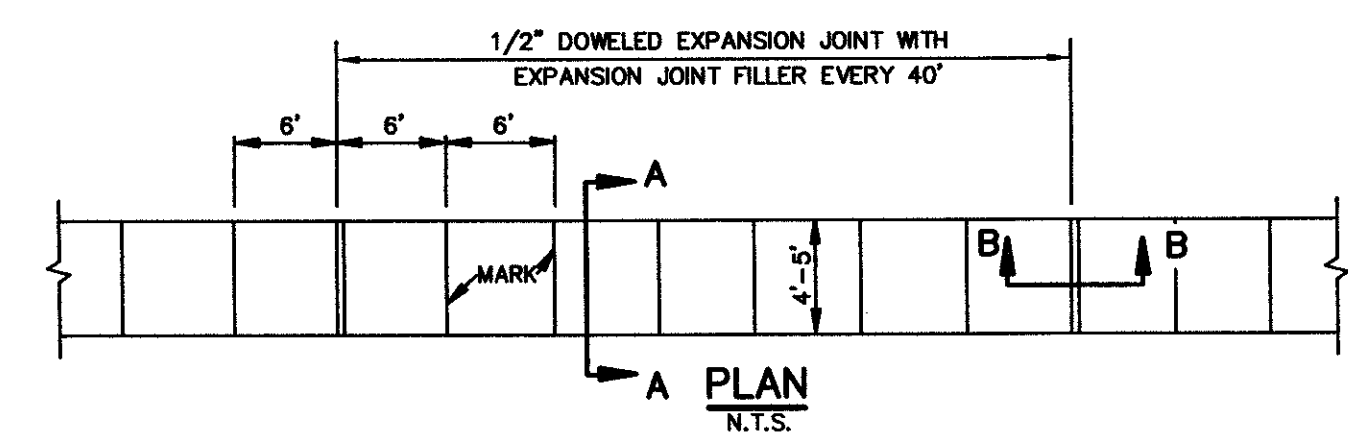


CONNECTION TO EXISTING PAVEMENT
N.T.S.

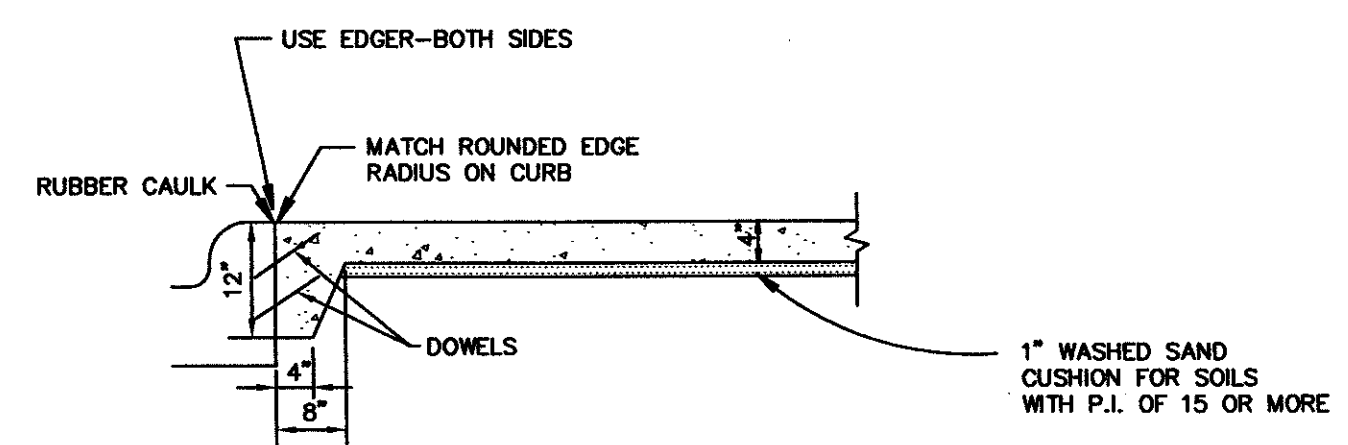
PAVEMENT/JOINT DETAILS



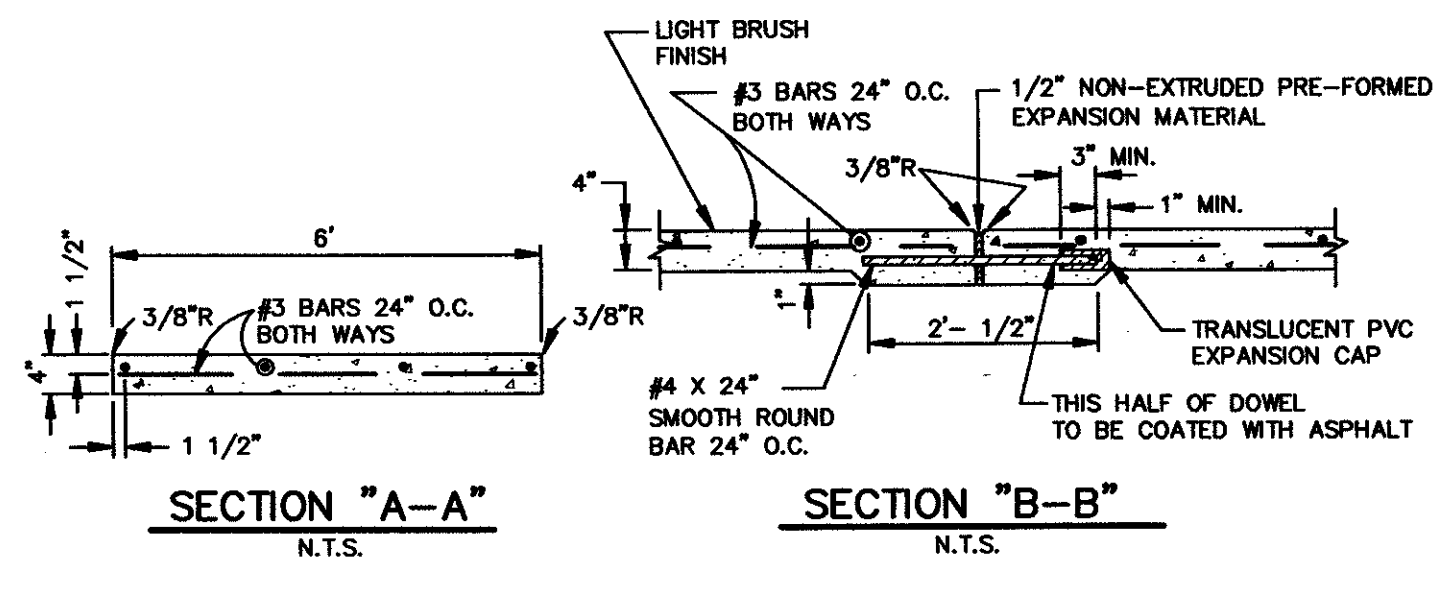
TYPICAL BORING DETAIL
N.T.S.



PLAN
N.T.S.



JOINT LUG DETAIL FOR MEDIAN PAVEMENT OR SIDEWALK ADJACENT TO CURB
N.T.S.

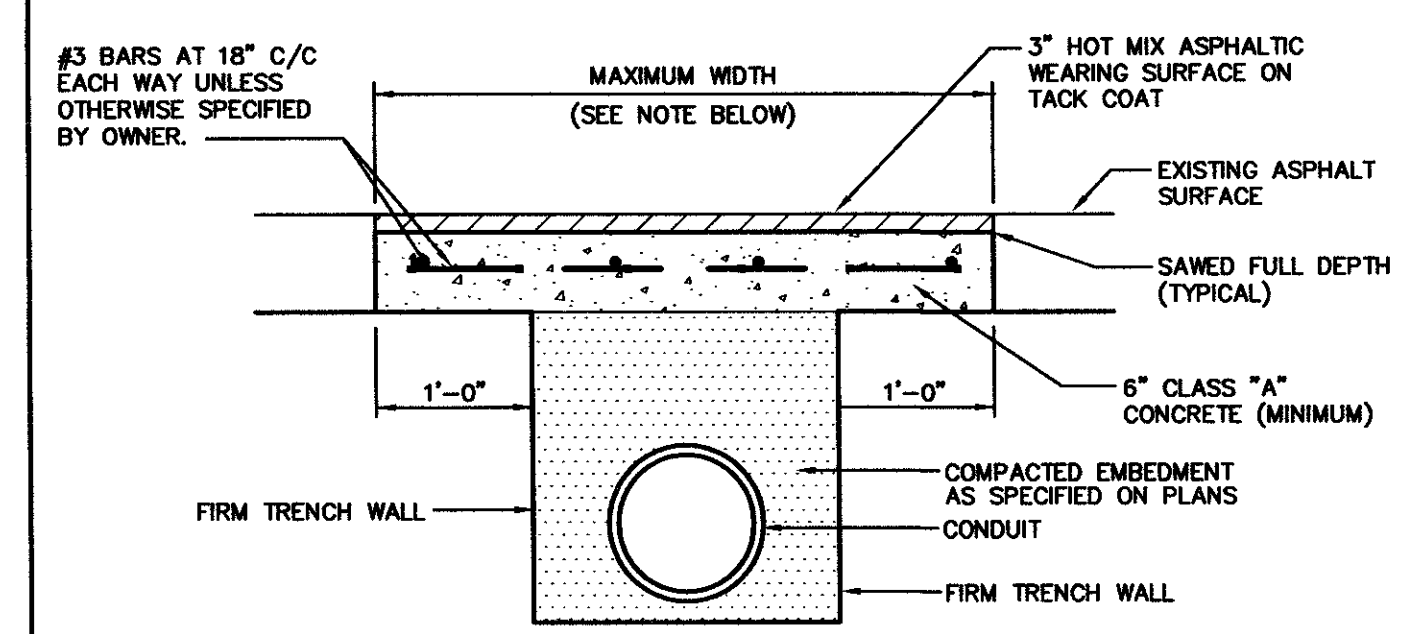


SECTION \"/>

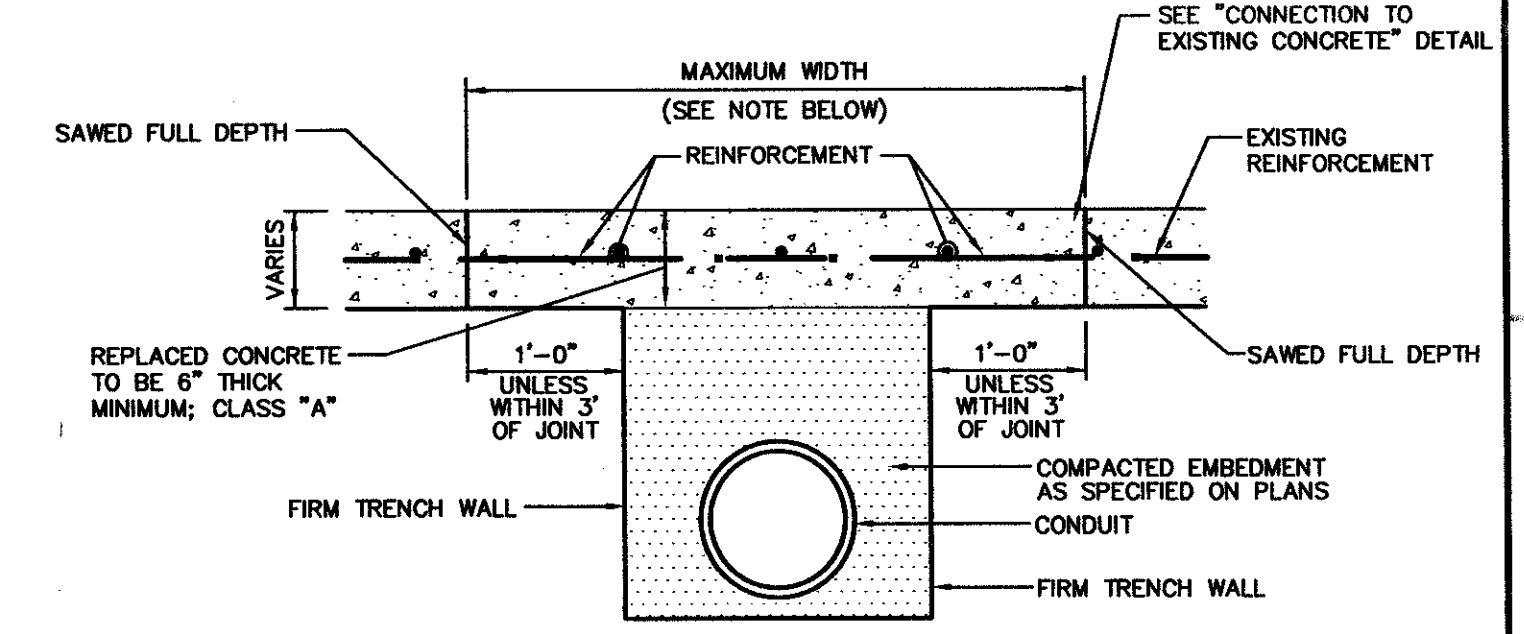
SECTION \"/>

NOTE:
1. CROSS SLOPE OF SIDEWALK SHALL BE $\pm 1/4$ \"/>

SIDEWALK DETAILS
N.T.S.



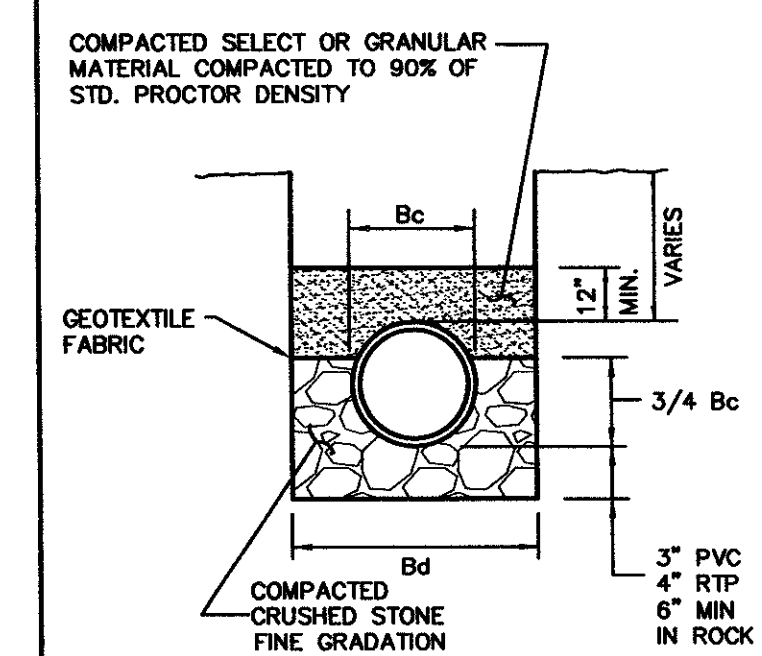
ASPHALT PAVEMENT
N.T.S.



CONCRETE PAVEMENT
N.T.S.

NOTES:
1. PAYMENT TO THE CONTRACTOR FOR REPLACEMENT OF PAVEMENT AND/OR DRIVEWAYS WILL BE BASED ON ACTUAL MEASUREMENTS UP TO A MAXIMUM WIDTH EQUAL TO THE SPECIFIED MAXIMUM TRENCH WIDTH (PER STD. SPEC. ITEM 6.2.) PLUS 2 FEET. ANY EXISTING PAVEMENT DAMAGED OR REMOVED IN EXCESS OF THE MAXIMUM LIMITS SHALL BE AT THE EXPENSE OF THE CONTRACTOR.
2. ALL SAW CUTS SHALL BE FULL DEPTH. CONTRACTOR SHALL DRILL AND EPOXY GROUT 18\"/>

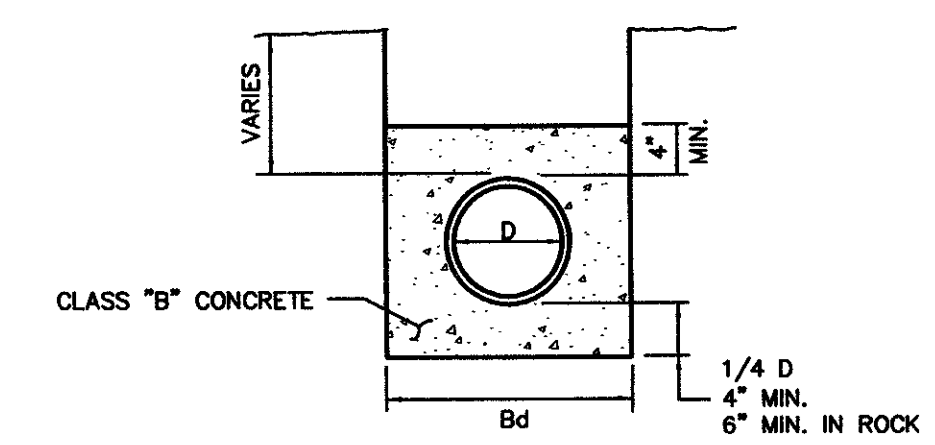
PAVEMENT/DRIVEWAY REPAIR DETAILS
N.T.S.



CLASS \"/>

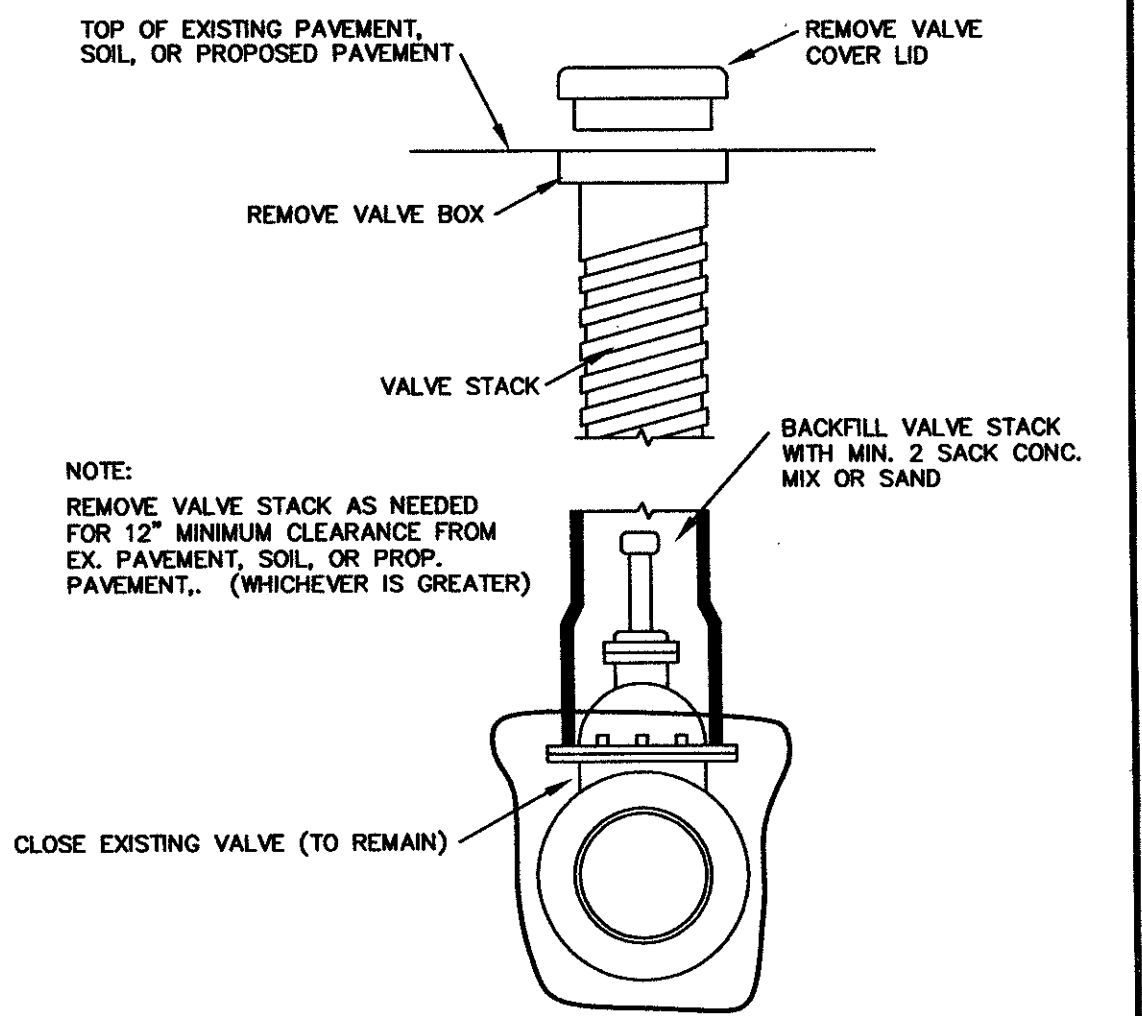
NOTES:
1. Bc = OUTSIDE DIAMETER OF PIPE
2. Bd = TRENCH WIDTH

EMBEDMENT/ENCASEMENT DETAILS
N.T.S.



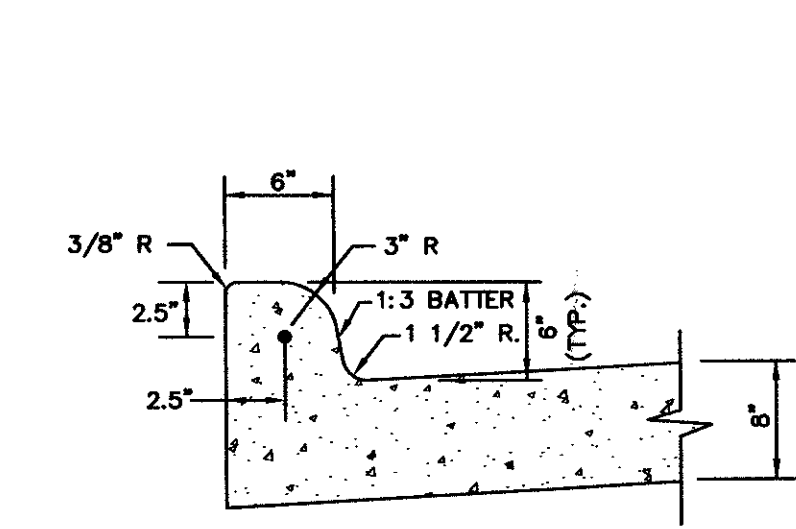
CONCRETE ENCASEMENT
N.T.S.

NOTES:
1. D = INSIDE DIAMETER OF PIPE
2. Bd = TRENCH WIDTH

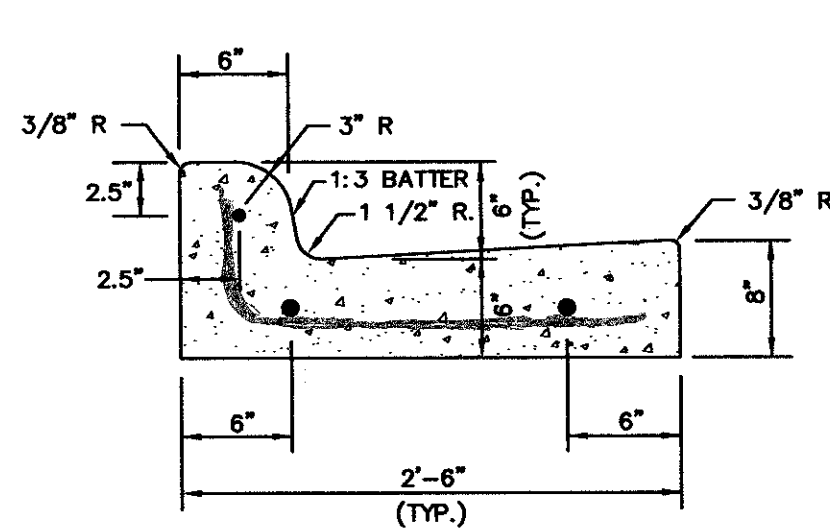


WATER VALVE ABANDONMENT DETAIL
N.T.S.

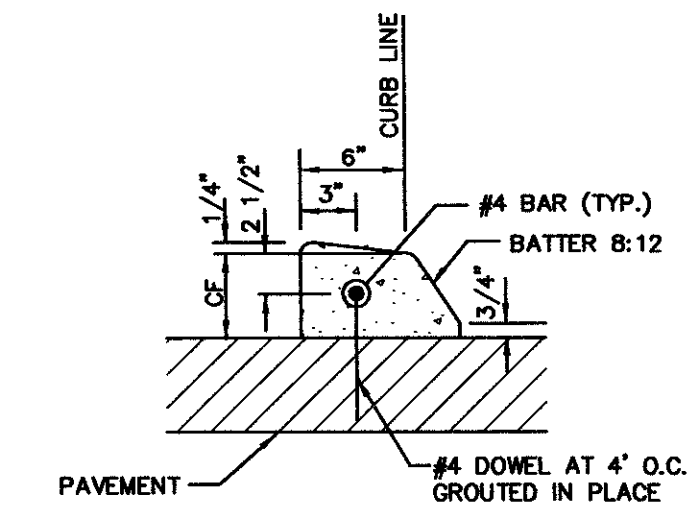
NOTE:
REMOVE VALVE STACK AS NEEDED FOR 12\"/>



INTEGRAL CURB
N.T.S.



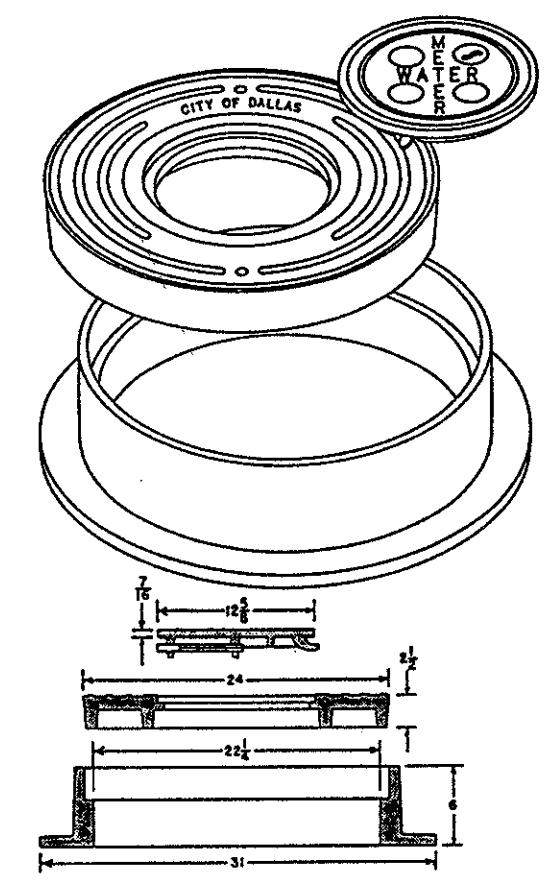
SEPARATE CURB & GUTTER
N.T.S.



DOWELED CURB
N.T.S.

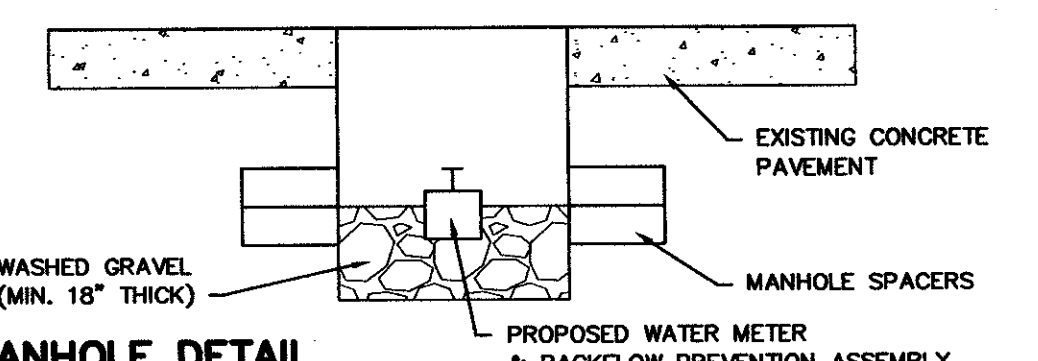
NOTES:
1. REINFORCEMENT SHALL BE NO. 4 BARS.
2. CONCRETE SHALL BE CLASS \"/>

CURB DETAILS
N.T.S.



WATER METER MANHOLE DETAIL
N.T.S.

BASS & HAYS FOUNDRY, INC.
380-24 ML
Water Meter Manhole
COVER 24 lbs.
LID 140 lbs.
RING 214 lbs.
SET 378 lbs.
NOTE:
THE CONTRACTOR SHALL INSTALL BOTH THE WATER METER AND THE BACKFLOW PREVENTION ASSEMBLY (BPA) IN THE SAME MANHOLE. THE WATER METER SHALL BE INSTALLED SO THAT WHEN THE SMALL COVER IS REMOVED, THE WATER METER CAN BE READ BY TOWN OFFICIALS. THE BPA WILL BE ACCESSIBLE BY REMOVING THE ENTIRE MANHOLE LID.



WATER METER MANHOLE DETAIL
N.T.S.

NO.	REVISION	BY	DATE

MSW
DESIGNED
DAS
DRAWN
JRP
CHECKED

TOWN OF
ADDISON

SCALE
HORIZ N/A
VERT N/A
DATE
JULY 2002

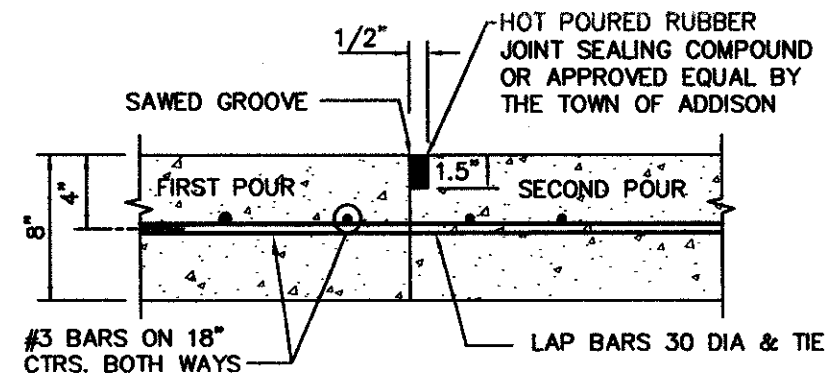
TEAGUE NALL AND PERKINS
CONSULTING ENGINEERS
1100 Macon Street Fort Worth, Texas 76102 (817) 336-5773
2001 West Irving Blvd Irving, Texas 75061 (972) 254-1765

REGISTERED PROFESSIONAL ENGINEER
MARK E. RIDDLE
43805
DATE: 07.10.02

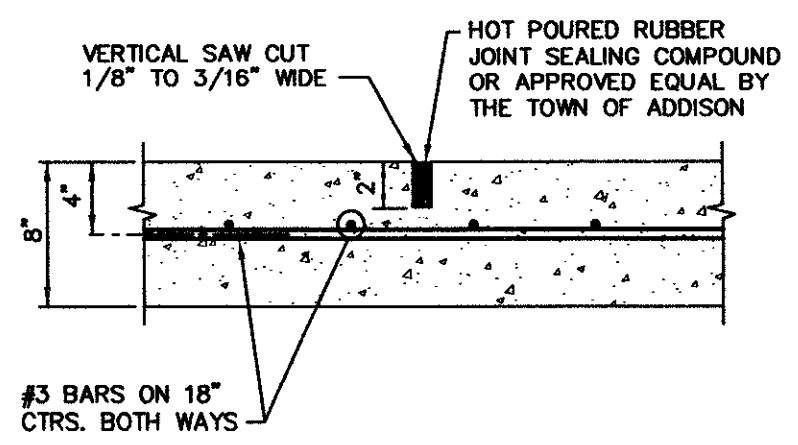
TOWN OF ADDISON
WRIGHT BROTHERS / WILEY POST
WATER LINE REPLACEMENT
MISCELLANEOUS DETAILS 2

TNP PROJECT
ADD01333
SHEET
12
OF
12

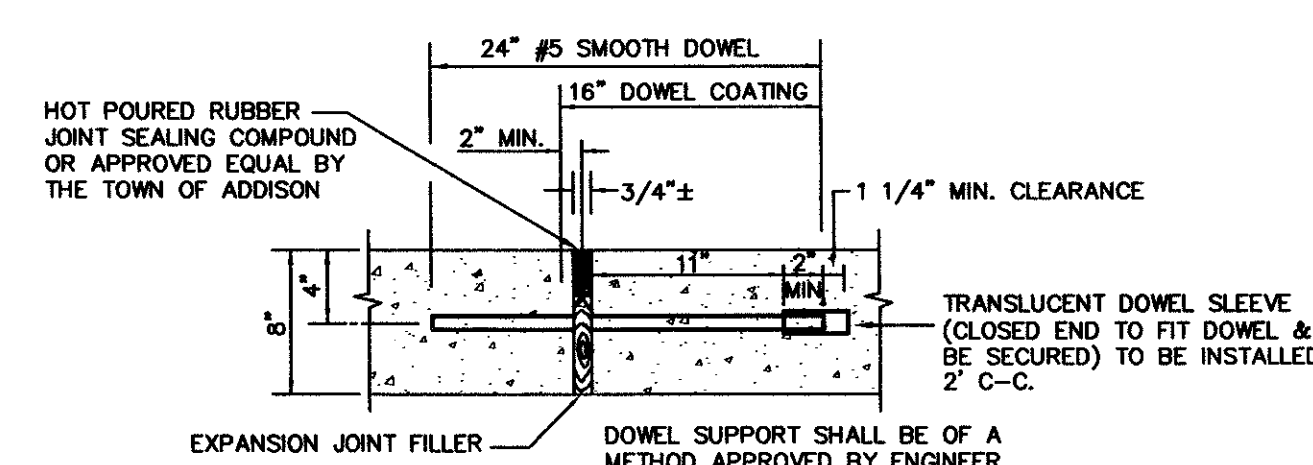
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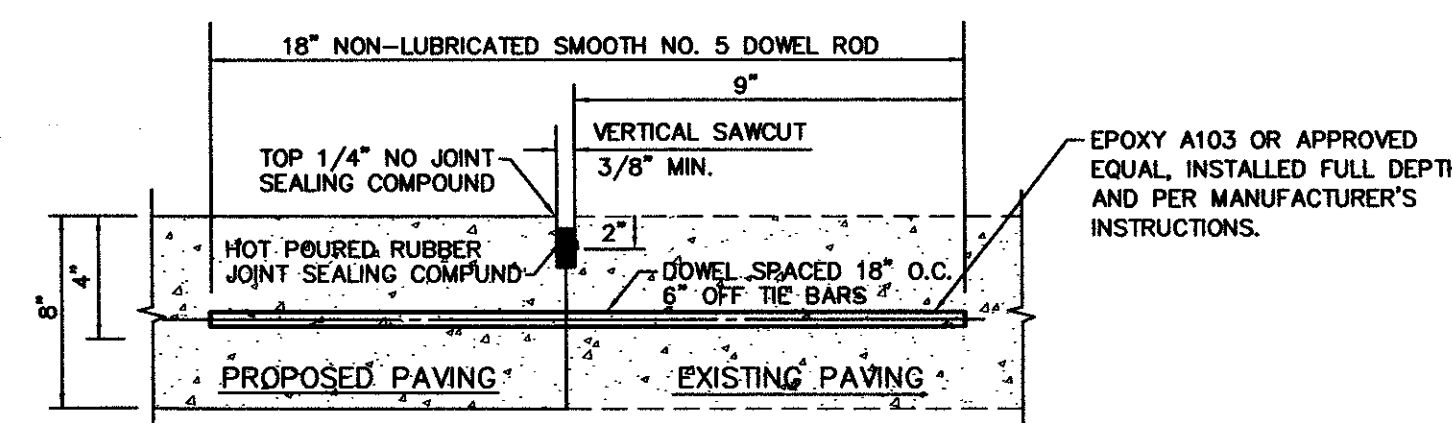
CONSTRUCTION JOINT
N.T.S.



SAWED DUMMY JOINT
N.T.S.

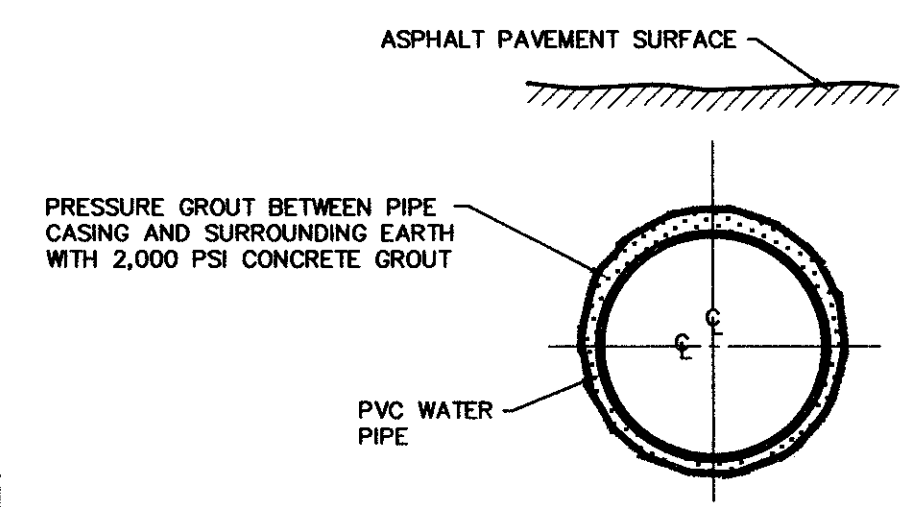


EXPANSION JOINT
N.T.S.

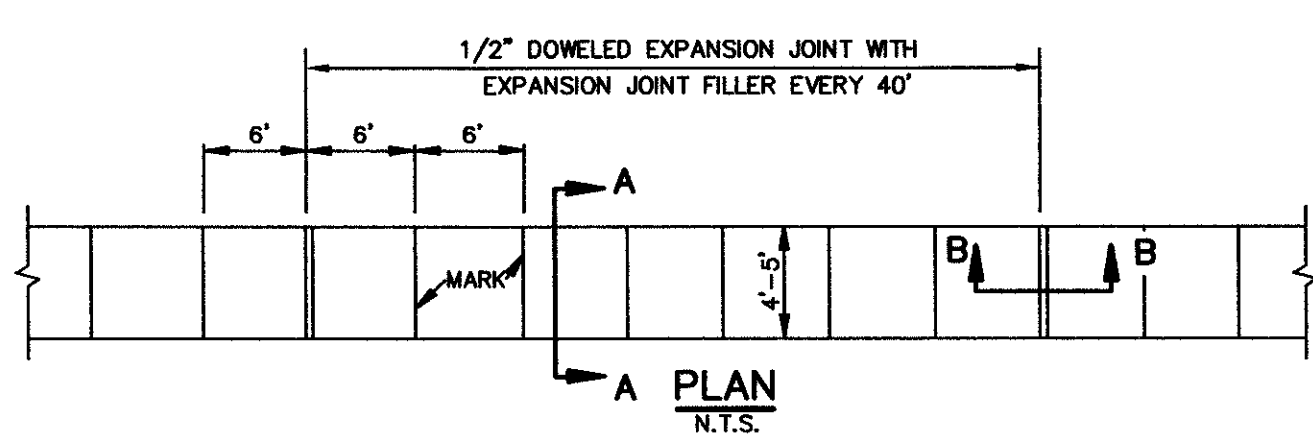


CONNECTION TO EXISTING PAVEMENT
N.T.S.

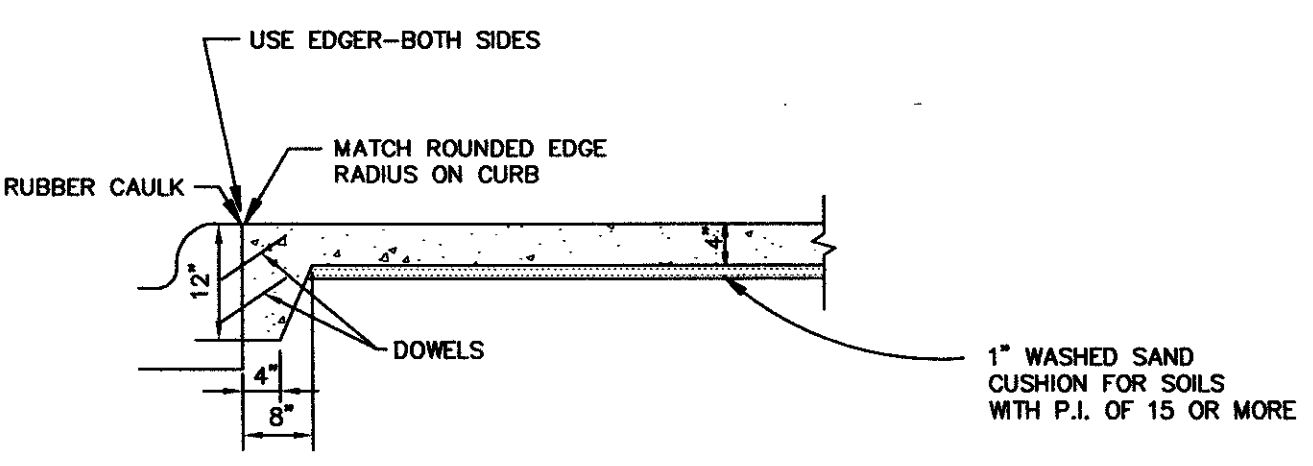
PAVEMENT/JOINT DETAILS



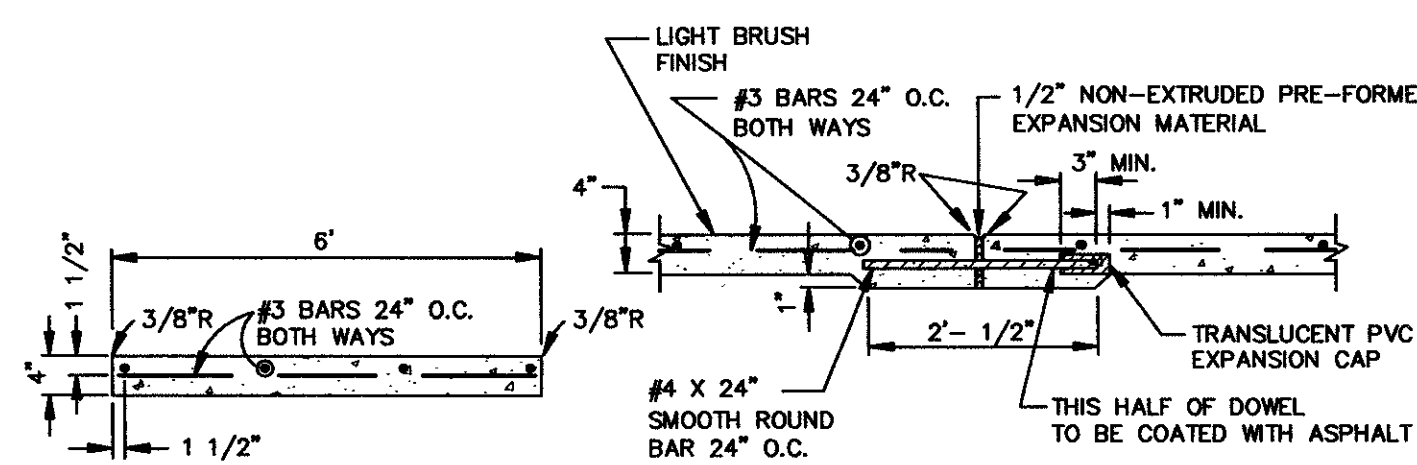
TYPICAL BORING DETAIL
N.T.S.



PLAN
N.T.S.



JOINT LUG DETAIL FOR MEDIAN PAVEMENT OR SIDEWALK ADJACENT TO CURB
N.T.S.

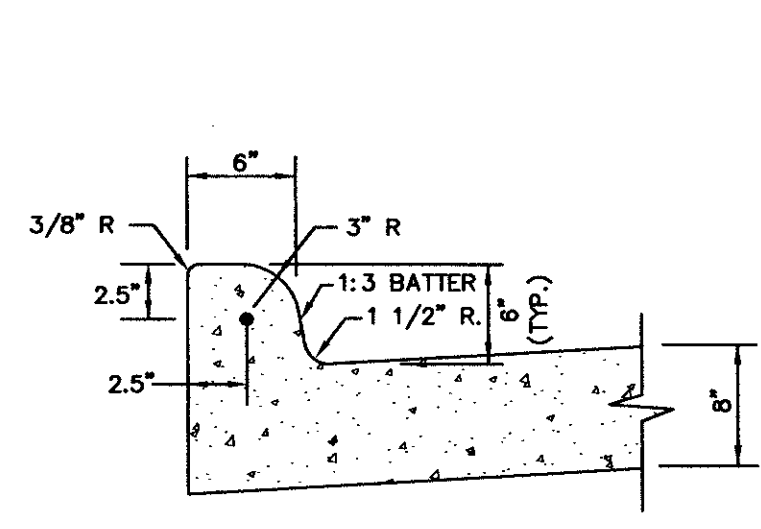


SECTION "A-A"
N.T.S.

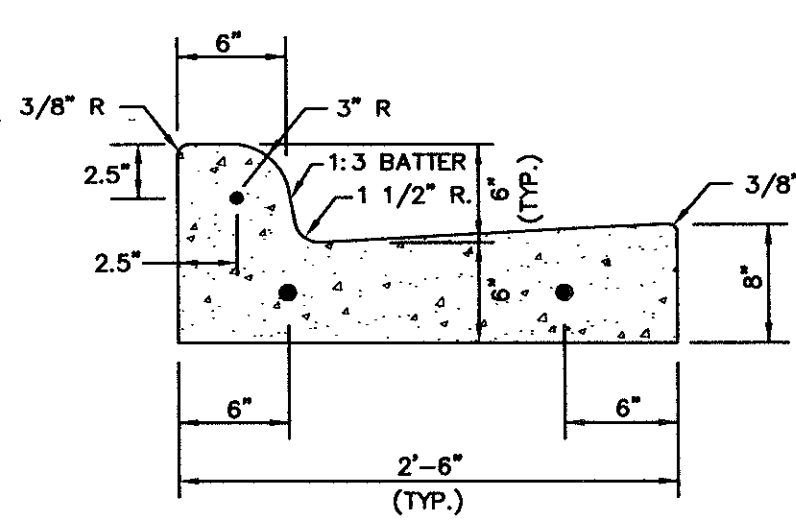
SECTION "B-B"
N.T.S.

NOTE:
1. GROSS SLOPE OF SIDEWALK SHALL BE $\pm 1/4$ " PER FT. MIN. TO $\pm 3/8$ " PER FT. MAX.
2. OTHER THAN 6'-0" SIDEWALK WIDTH MAY BE SPECIFIED BY OWNER.
3. SIDEWALK SHALL BE CLASS "A" CONCRETE UNLESS OTHERWISE SPECIFIED BY OWNER.

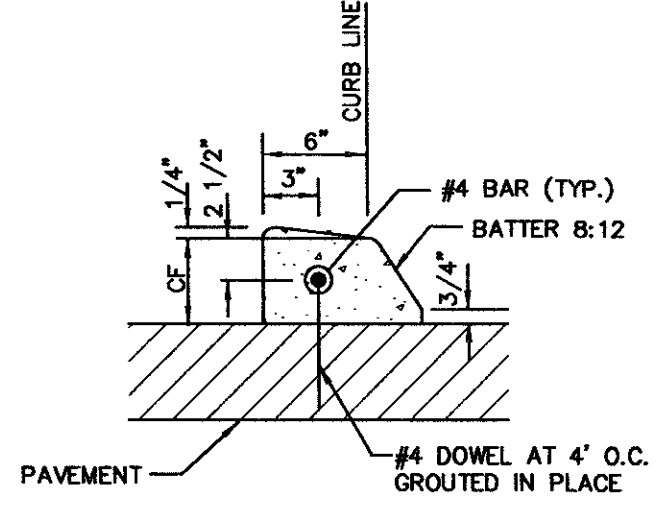
SIDEWALK DETAILS
N.T.S.



INTEGRAL CURB
N.T.S.



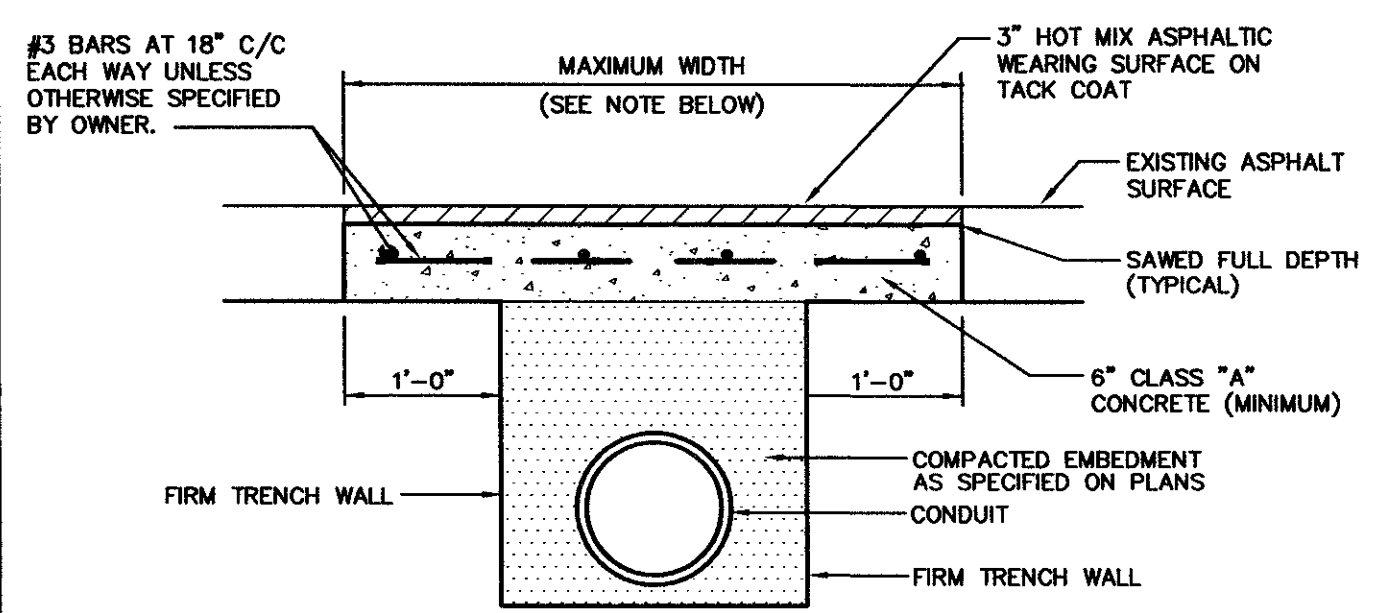
SEPARATE CURB & GUTTER
N.T.S.



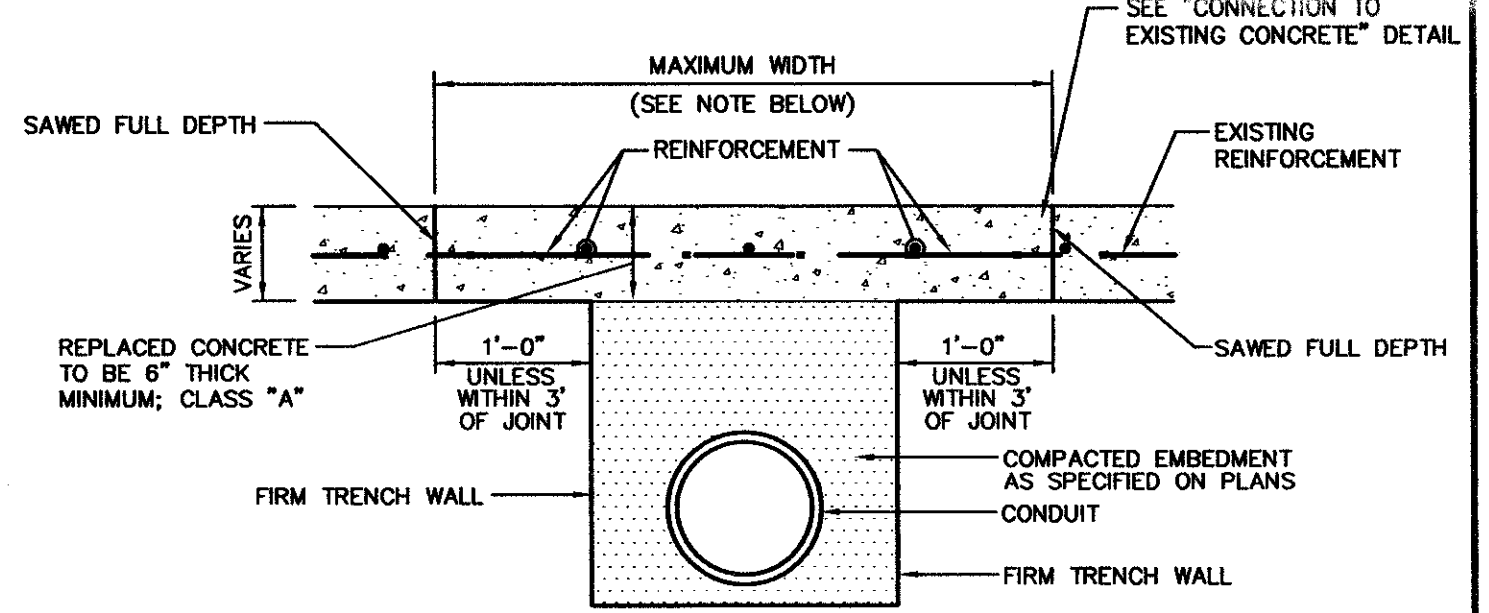
DOWELED CURB
N.T.S.

NOTES:
1. REINFORCEMENT SHALL BE NO. 4 BARS.
2. CONCRETE SHALL BE CLASS "C".
3. "CF" IS 6" UNLESS OTHERWISE SPECIFIED.
4. ALL CURBS ARE CONSTRUCTED OF PORTLAND CEMENT CONCRETE UNLESS OTHERWISE SHOWN.
5. GRADE SHALL BE MEASURED AT BACK OF CURB.

CURB DETAILS
N.T.S.



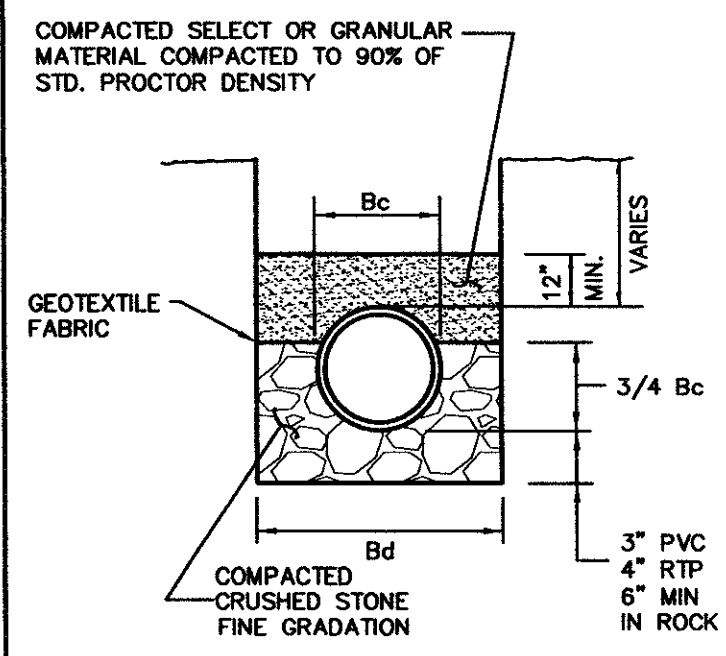
ASPHALT PAVEMENT
N.T.S.



CONCRETE PAVEMENT
N.T.S.

NOTES:
1. PAYMENT TO THE CONTRACTOR FOR REPLACEMENT OF PAVEMENT AND/OR DRIVEWAYS WILL BE BASED ON ACTUAL MEASUREMENTS UP TO A MAXIMUM WIDTH EQUAL TO THE SPECIFIED MAXIMUM TRENCH WIDTH (PER STD. SPEC. ITEM 6.2.) PLUS 2 FEET. ANY EXISTING PAVEMENT DAMAGED OR REMOVED IN EXCESS OF THE MAXIMUM LIMITS SHALL BE AT THE EXPENSE OF THE CONTRACTOR.
2. ALL SAW CUTS SHALL BE FULL DEPTH. CONTRACTOR SHALL DRILL AND EPOXY GROUT 18" x #4 SMOOTH DOWEL 9" INTO EXISTING CONCRETE. REINFORCEMENT SHALL BE #3 BARS AT 18" C/C EACH WAY UNLESS OTHERWISE SPECIFIED BY THE OWNER.

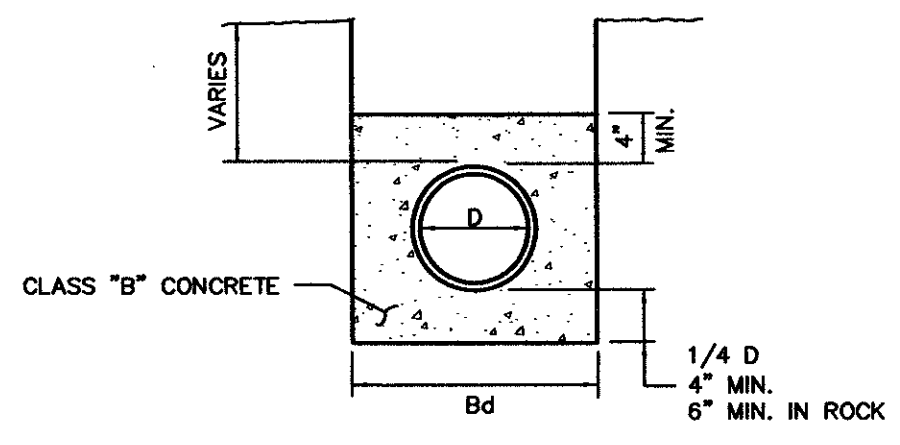
PAVEMENT/DRIVEWAY REPAIR DETAILS
N.T.S.



CLASS "B-2"
N.T.S.

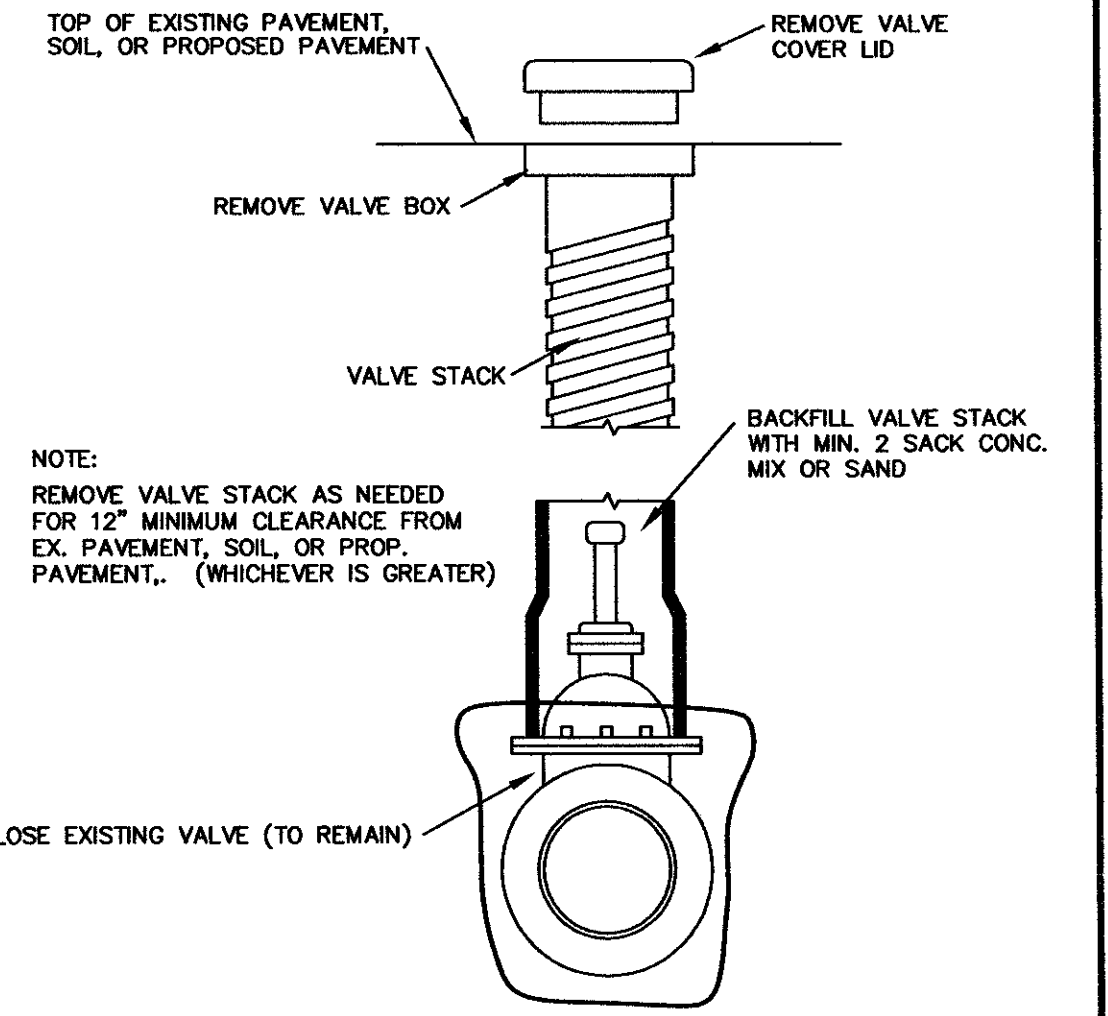
NOTES:
1. Bc = OUTSIDE DIAMETER OF PIPE
2. Bd = TRENCH WIDTH

EMBEDMENT/ENCASEMENT DETAILS
N.T.S.



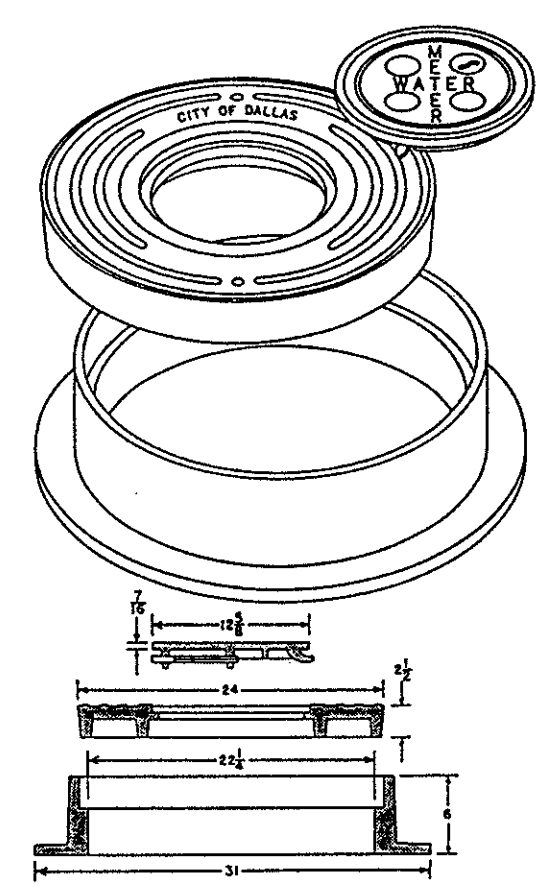
CONCRETE ENCASEMENT
N.T.S.

NOTES:
1. D = INSIDE DIAMETER OF PIPE
2. Bd = TRENCH WIDTH

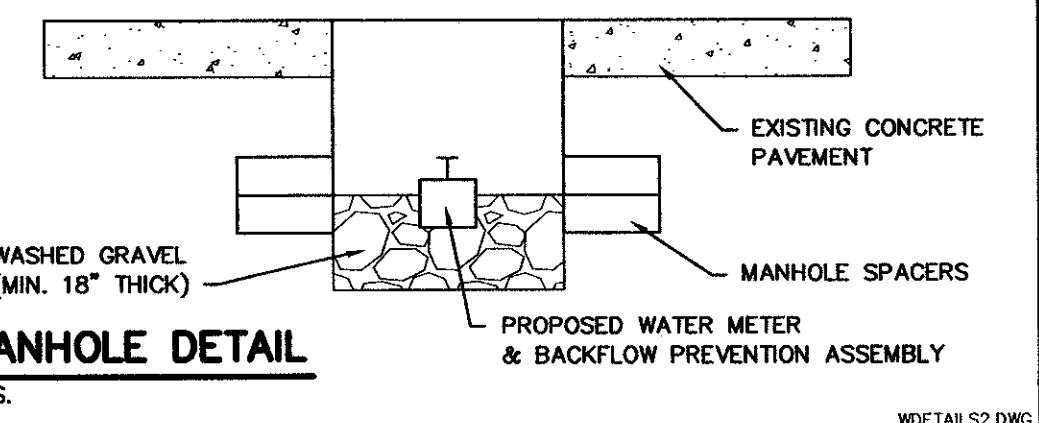


WATER VALVE ABANDONMENT DETAIL
N.T.S.

BASS & HAYS FOUNDRY, INC.
380-24 ML
Water Meter Manhole
COVER 24 lbs.
LID 140 lbs.
RING 214 lbs.
SET 378 lbs.
NOTE:
THE CONTRACTOR SHALL INSTALL BOTH THE WATER METER AND THE BACKFLOW PREVENTION ASSEMBLY (BPA) IN THE SAME MANHOLE. THE WATER METER SHALL BE INSTALLED SO THAT WHEN THE SMALL COVER IS REMOVED, THE WATER METER CAN BE READ BY TOWN OFFICIALS. THE BPA WILL BE ACCESSIBLE BY REMOVING THE ENTIRE MANHOLE LID.



WATER METER MANHOLE DETAIL
N.T.S.



NO.	REVISION	BY	DATE

MSW
DESIGNED
DAS
DRAWN
JRP
CHECKED

TOWN OF
ADDISON

SCALE
HORIZ
N/A
VERT
N/A
DATE
JULY 2002

TEAGUE NALL AND PERKINS
CONSULTING ENGINEERS
1100 Macon Street Fort Worth, Texas 76102 (817) 336-5773
2001 West Irving Blvd Irving, Texas 75061 (972) 254-1765

MARK E. RIDDLE
REGISTERED PROFESSIONAL ENGINEER
43805
DATE: 07.10.02

TOWN OF ADDISON
WRIGHT BROTHERS / WILEY POST
WATER LINE REPLACEMENT
MISCELLANEOUS DETAILS 2

TNP PROJECT
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12

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